

Data File : BF093715.D  
Acq On : 16 Mar 2017 19:24  
Operator : SJ/MA  
Sample : I2261-01MSD  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Manual Integrations  
APPROVED

mohammad  
3/17/2017 2:29:49 PM

Quant Time: Mar 17 07:37:53 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 13 15:05:08 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 178095   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.99  | 136  | 739454   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.74  | 164  | 341571   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.22 | 188  | 607127   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.87 | 240  | 429960   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.26 | 264  | 345214   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.29  | 112 | 1467214 | 137.11 | ng | -0.02 |
| 7) Phenol-d6                | 6.37  | 99  | 1791356 | 132.75 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 1236910 | 92.81  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330 | 322328  | 144.84 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.06  | 172 | 1579319 | 86.00  | ng | -0.02 |
| 78) Terphenyl-d14           | 12.80 | 244 | 1386724 | 83.85  | ng | -0.02 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.22 | 88  | 237477  | 40.29 | ng | # 84   |
| 3) Pyridine                    | 2.90 | 79  | 497537  | 33.11 | ng | 86     |
| 4) n-Nitrosodimethylamine      | 2.86 | 42  | 352916  | 49.17 | ng | # 75   |
| 6) Aniline                     | 6.37 | 93  | 481237  | 25.99 | ng | # 85   |
| 8) 2-Chlorophenol              | 6.49 | 128 | 536853  | 44.78 | ng | 96     |
| 9) Benzaldehyde                | 6.25 | 77  | 330052  | 39.97 | ng | 97     |
| 10) Phenol                     | 6.38 | 94  | 942465  | 57.00 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 659714  | 49.36 | ng | 90     |
| 12) 1,3-Dichlorobenzene        | 6.63 | 146 | 582817  | 42.47 | ng | # 93   |
| 13) 1,4-Dichlorobenzene        | 6.71 | 146 | 598644  | 42.61 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.86 | 146 | 529336  | 42.54 | ng | 96     |
| 15) Benzyl Alcohol             | 6.86 | 79  | 454205  | 47.22 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 993317  | 44.74 | ng | 65     |
| 17) 2-Methylphenol             | 7.00 | 107 | 483913  | 47.72 | ng | 99     |
| 18) Hexachloroethane           | 7.20 | 117 | 215404  | 45.46 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 442750  | 47.72 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.16 | 107 | 679011  | 51.63 | ng | # 73   |
| 22) Acetophenone               | 7.12 | 105 | 769945  | 43.27 | ng | # 98   |
| 24) Nitrobenzene               | 7.29 | 77  | 656433  | 43.83 | ng | 99     |
| 25) Isophorone                 | 7.53 | 82  | 1160911 | 43.20 | ng | 94     |
| 26) 2-Nitrophenol              | 7.61 | 139 | 308650  | 45.17 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 468561  | 42.15 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93  | 760916  | 44.85 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.88 | 162 | 463024  | 44.27 | ng | 91     |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 480365  | 43.19 | ng | 96     |
| 31) Naphthalene                | 8.01 | 128 | 1526039 | 41.18 | ng | 99     |
| 32) Benzoic acid               | 7.83 | 122 | 8369m   | 1.45  | ng |        |
| 33) 4-Chloroaniline            | 8.09 | 127 | 231055  | 15.37 | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.12 | 225 | 239712  | 41.84 | ng | 100    |
| 35) Caprolactam                | 8.46 | 113 | 120258m | 33.67 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.58 | 107 | 497896  | 44.60 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 974991  | 41.35 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 442498  | 47.44 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.85 | 237 | 210338  | 87.96 | ng | 95     |

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Sample : I2261-01MSD

Misc :

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BNA\_F

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TRAP-ROCK-FINESMSD

Manual Integrations

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Quant Time: Mar 17 07:37:53 2017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 13 15:05:08 2017

Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 296205   | 50.83 | ng    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 269763   | 43.14 | ng    | 92       |
| 45) 1,1'-Biphenyl              | 9.17  | 154  | 1221601  | 49.09 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.19  | 162  | 948192   | 49.78 | ng    | 96       |
| 47) 2-Nitroaniline             | 9.30  | 65   | 351573   | 52.22 | ng    | # 85     |
| 48) Acenaphthylene             | 9.60  | 152  | 1442900  | 45.93 | ng    | 99       |
| 49) Dimethylphthalate          | 9.48  | 163  | 1267041  | 55.95 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 220474   | 44.37 | ng    | # 31     |
| 51) Acenaphthene               | 9.77  | 154  | 853309   | 45.94 | ng    | 96       |
| 52) 3-Nitroaniline             | 9.73  | 138  | 149506   | 25.04 | ng    | 89       |
| 53) 2,4-Dinitrophenol          | 9.86  | 184  | 28723    | 12.69 | ng    | # 59     |
| 54) Dibenzofuran               | 9.94  | 168  | 1224776  | 52.68 | ng    | 98       |
| 55) 4-Nitrophenol              | 9.93  | 139  | 253546m  | 87.45 | ng    |          |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 321877   | 52.73 | ng    | # 79     |
| 57) Fluorene                   | 10.29 | 166  | 924538   | 46.93 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 234967   | 53.25 | ng    | 97       |
| 59) Diethylphthalate           | 10.17 | 149  | 1110463  | 51.31 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204  | 416498   | 47.17 | ng    | 94       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 263421   | 43.15 | ng    | 97       |
| 62) Azobenzene                 | 10.44 | 77   | 1293842  | 52.61 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198  | 136202   | 34.63 | ng    | # 74     |
| 65) n-Nitrosodiphenylamine     | 10.40 | 169  | 815189   | 40.21 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 267013   | 41.59 | ng    | 93       |
| 67) Hexachlorobenzene          | 10.84 | 284  | 246033   | 40.13 | ng    | # 83     |
| 68) Atrazine                   | 10.94 | 200  | 253797   | 42.77 | ng    | 99       |
| 69) Pentachlorophenol          | 11.05 | 266  | 136103   | 64.30 | ng    | 96       |
| 70) Phenanthrene               | 11.25 | 178  | 1403894  | 40.51 | ng    | 99       |
| 71) Anthracene                 | 11.30 | 178  | 1463145  | 41.74 | ng    | 98       |
| 72) Carbazole                  | 11.46 | 167  | 1260606  | 38.28 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.78 | 149  | 1567028  | 41.13 | ng    | # 97     |
| 74) Fluoranthene               | 12.44 | 202  | 1367344  | 40.85 | ng    | 94       |
| 76) Benzidine                  | 12.56 | 184  | 460914   | 32.60 | ng    | 97       |
| 77) Pyrene                     | 12.67 | 202  | 1383684  | 44.25 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.27 | 149  | 609599   | 46.31 | ng    | 97       |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 1080768  | 42.56 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 283273   | 31.85 | ng    | 98       |
| 82) Chrysene                   | 13.89 | 228  | 1044124  | 44.45 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 909015   | 49.54 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 14.44 | 149  | 1386479  | 45.34 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.60 | 276  | 798705   | 40.62 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 14.87 | 252  | 1024522m | 48.73 | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.89 | 252  | 731794m  | 36.09 | ng    |          |
| 89) Benzo(a)pyrene             | 15.20 | 252  | 811543   | 42.24 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.59 | 278  | 670717   | 42.19 | ng    | 95       |
| 91) Benzo(g,h,i)perylene       | 17.00 | 276  | 685023   | 41.99 | ng    | # 94     |

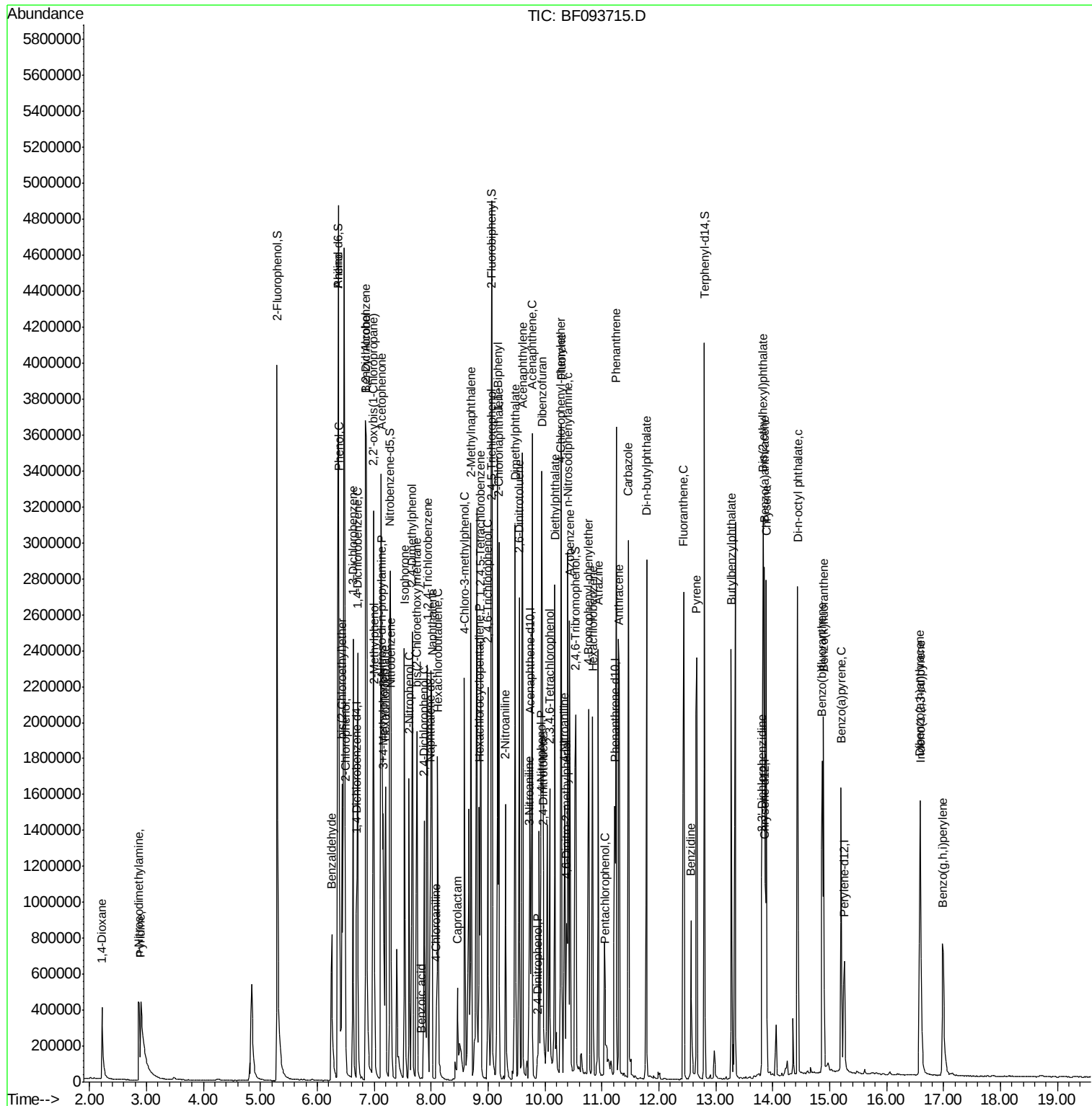
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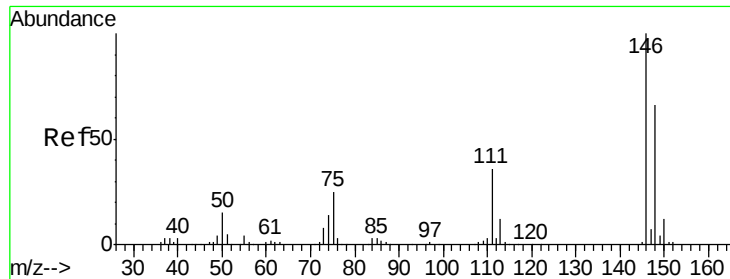
ALS Vial : 14 Sample Multiplier: 1

TRAP-ROCK-FINESMSD

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Response via : Initial Calibration





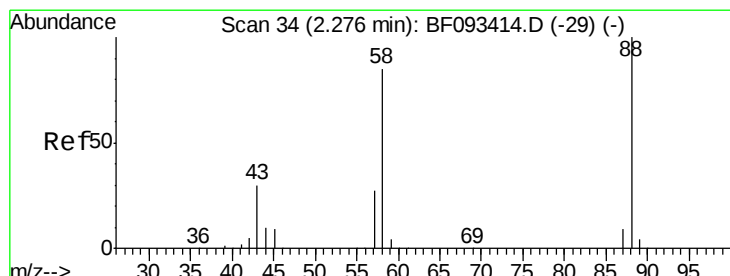
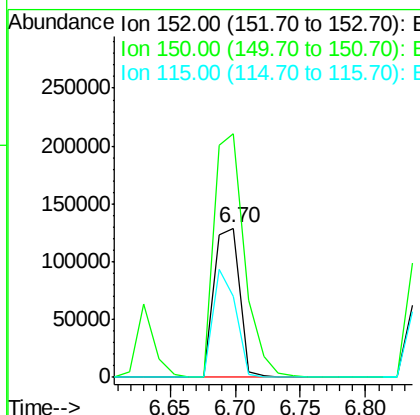
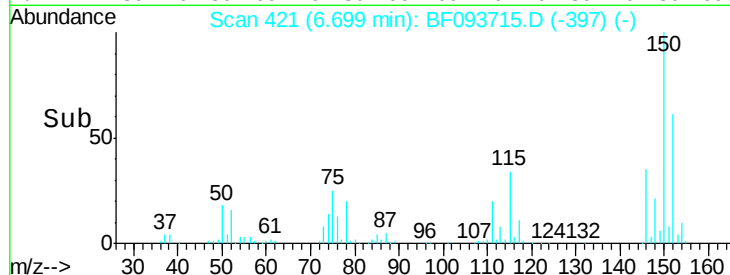
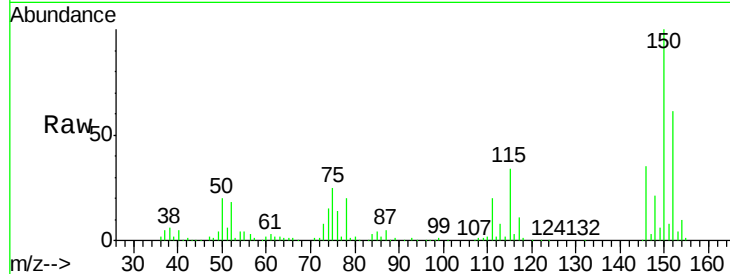
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.70 min Scan# 421  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.5 | 124.9 | 187.3 |
| 115     | 54.8  | 46.0  | 69.0  |

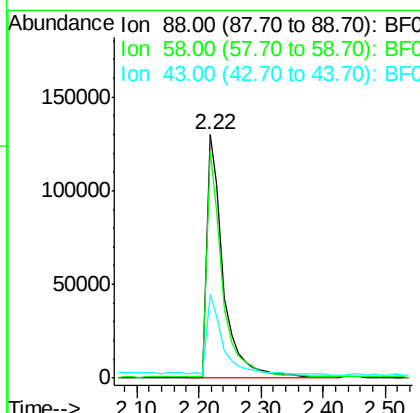
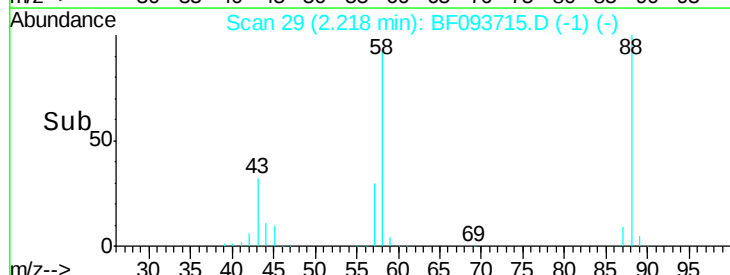
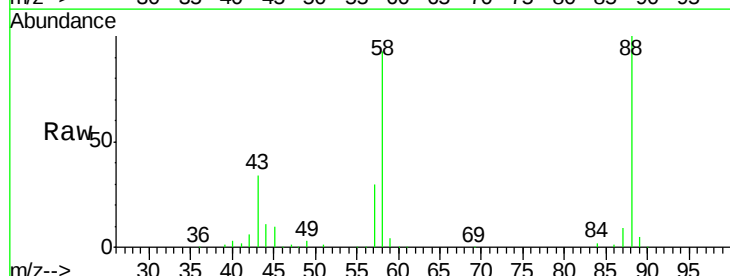
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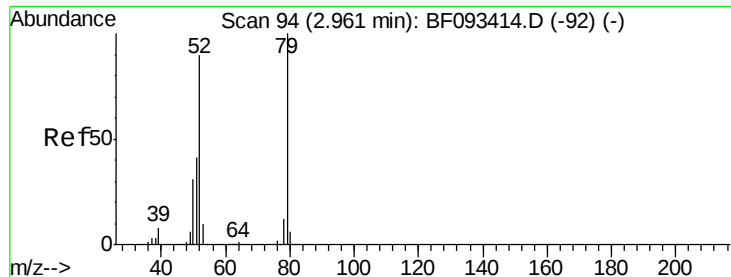
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#2  
 1,4-Dioxane  
 Concen: 40.29 ng  
 RT: 2.22 min Scan# 29  
 Delta R.T. 0.03 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.4  | 57.8  | 86.8# |
| 43      | 32.5  | 22.3  | 33.5  |





#3

Pyridine

Concen: 33.11 ng

RT: 2.90 min Scan# 89

Delta R.T. 0.05 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

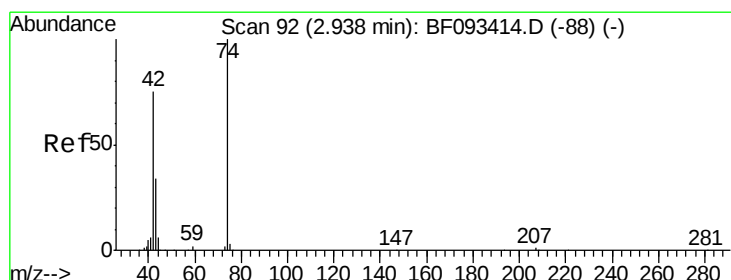
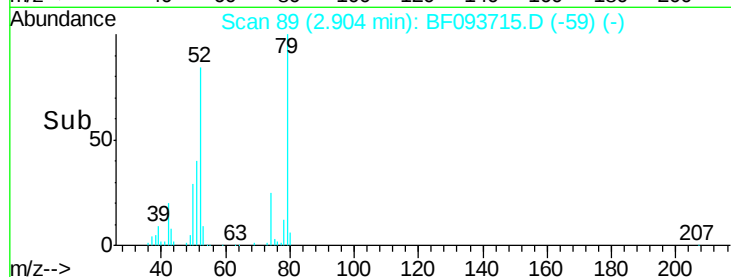
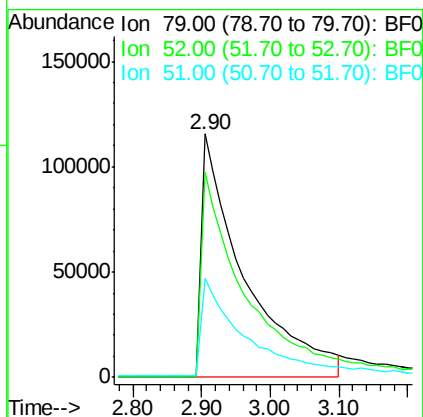
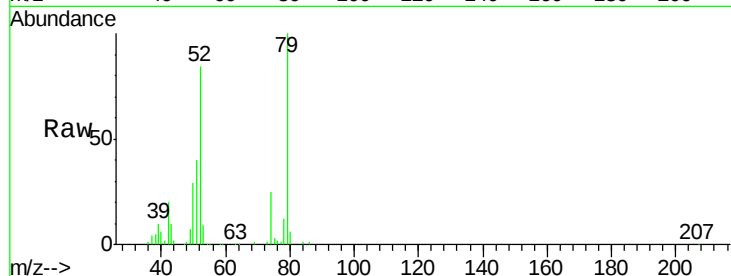
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 497537 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 84.5  | 57.1  | 85.7   |
| 51        | 40.5  | 27.3  | 40.9   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 49.17 ng

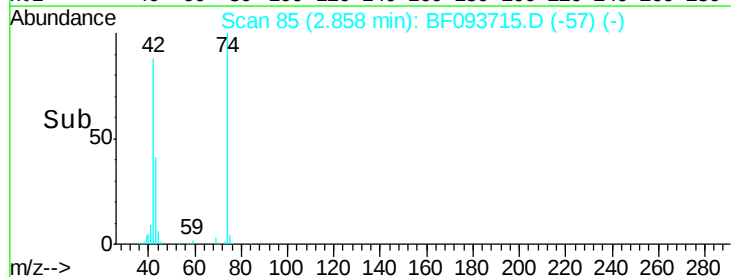
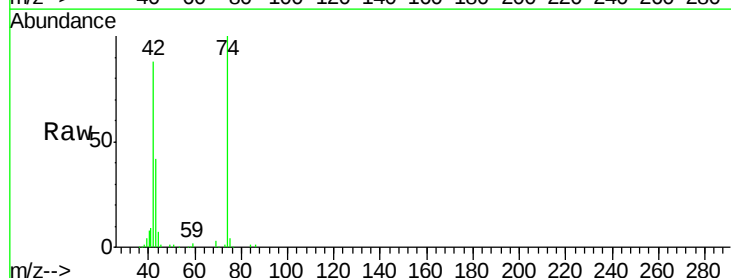
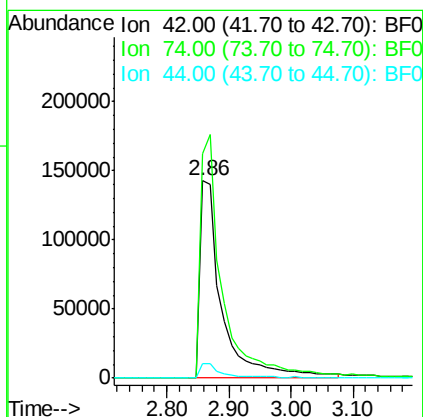
RT: 2.86 min Scan# 85

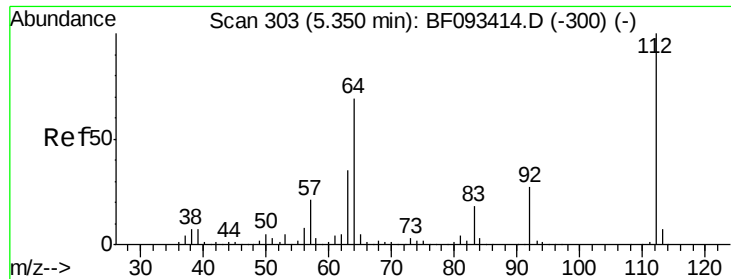
Delta R.T. 0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 352916 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 113.8 | 117.0 | 175.4# |
| 44        | 7.4   | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 137.11 ng

RT: 5.29 min Scan# 298

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

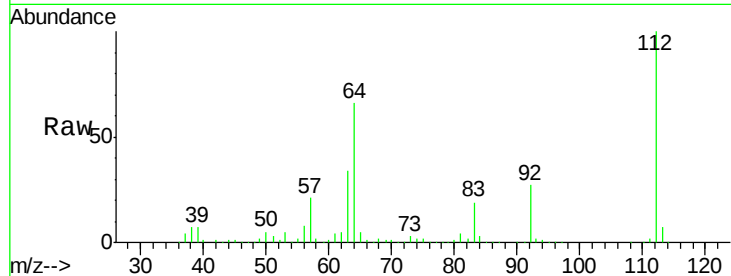
ClientSampleId :

TRAP-ROCK-FINESMSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 112   | Resp: | 1467214 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 66.2  | 46.1  | 69.1    |
| 63       | 34.2  | 23.8  | 35.6    |

Manual Integrations  
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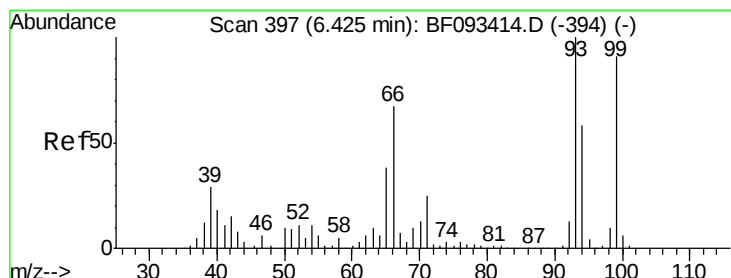
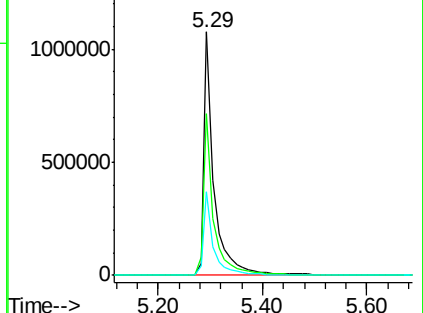
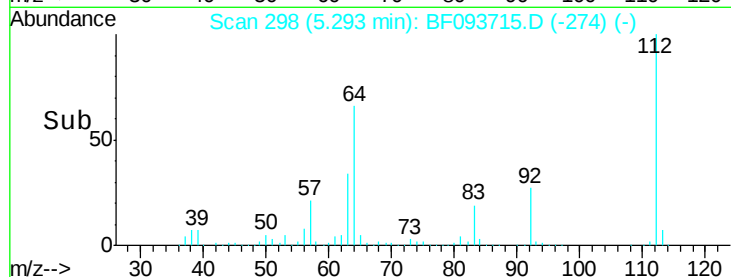
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 25.99 ng

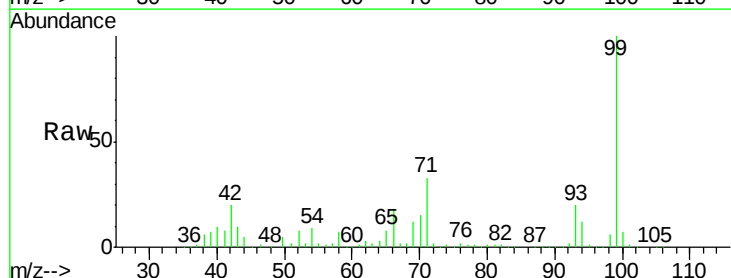
RT: 6.37 min Scan# 392

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

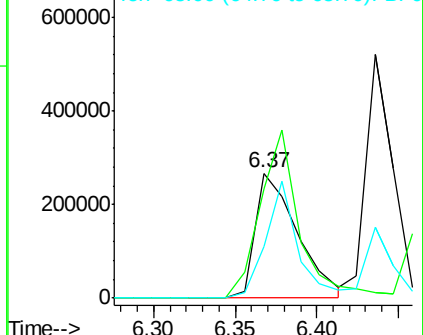
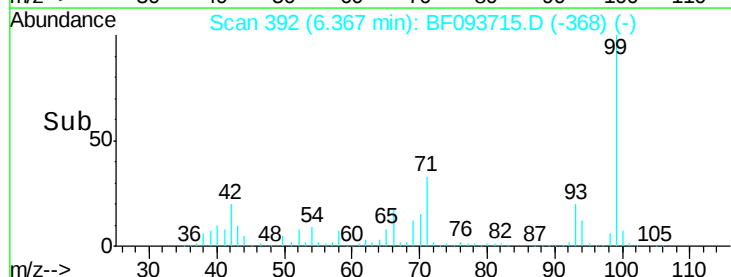
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 481237 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 88.0  | 76.2  | 114.2  |
| 65       | 41.2  | 49.3  | 73.9#  |

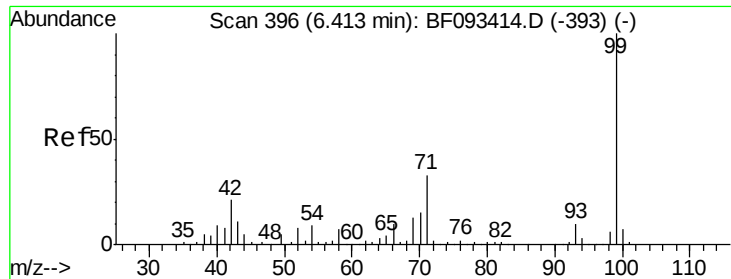


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.75 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tgt Ion: 99 Resp: 1791356

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

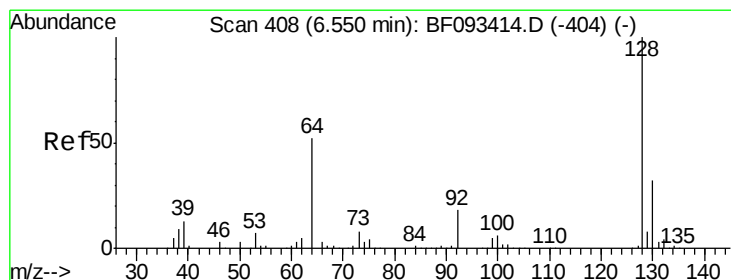
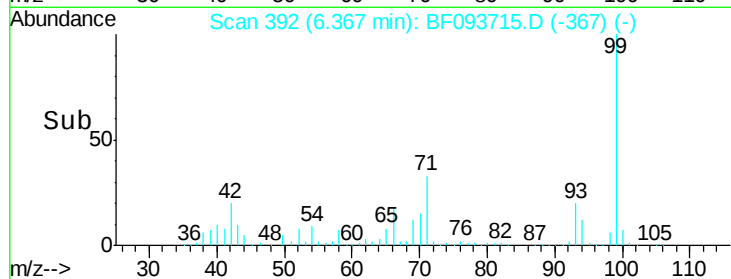
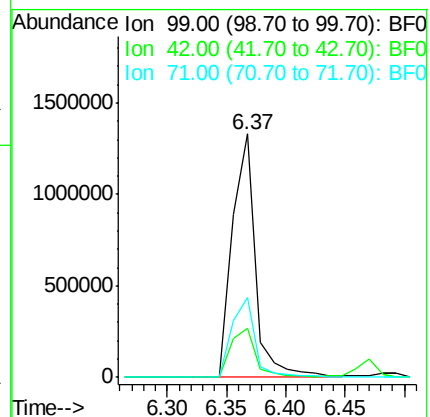
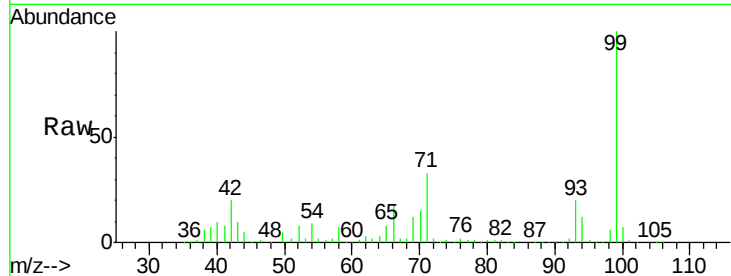
71 32.9 27.5 41.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.78 ng

RT: 6.49 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

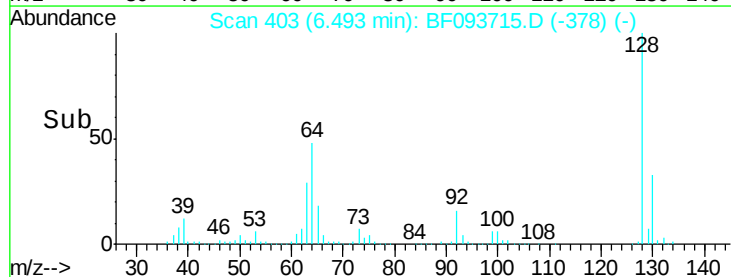
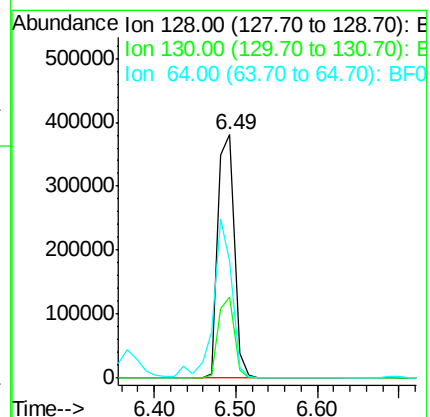
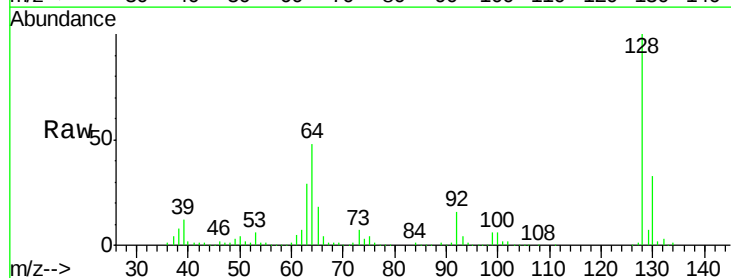
Tgt Ion: 128 Resp: 536853

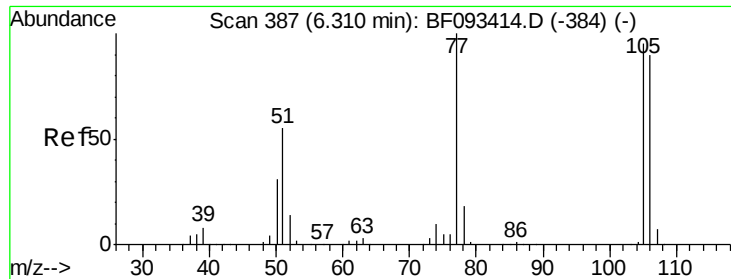
Ion Ratio Lower Upper

128 100

130 33.1 12.3 52.3

64 47.8 32.2 72.2





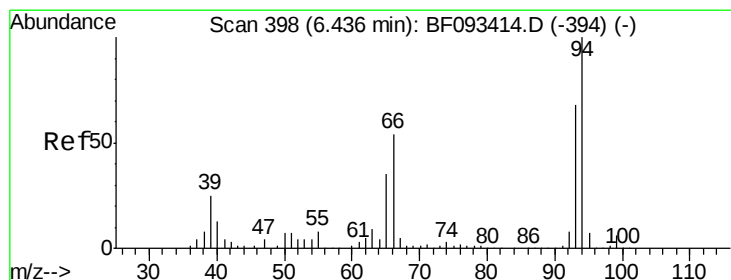
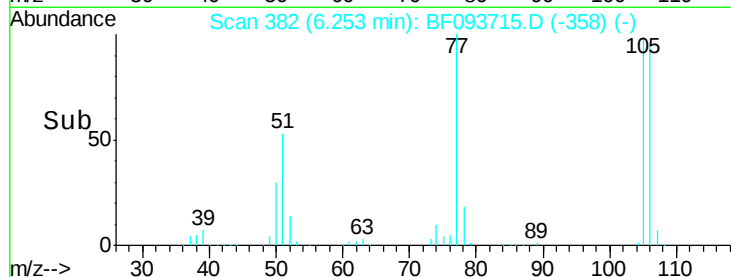
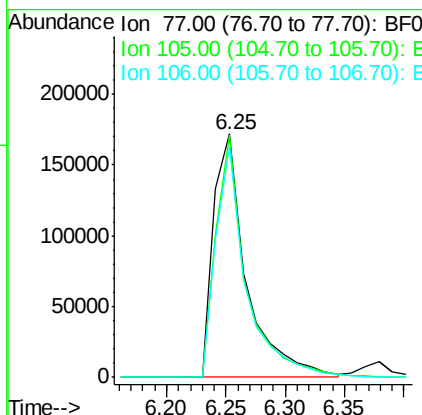
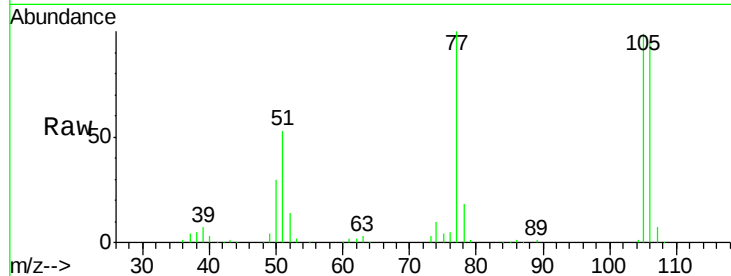
#9  
Benzaldehyde  
Concen: 39.97 ng  
RT: 6.25 min Scan# 382  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion: 77 Resp: 330052  
Ion Ratio Lower Upper  
77 100  
105 99.5 83.9 123.9  
106 95.1 77.6 117.6

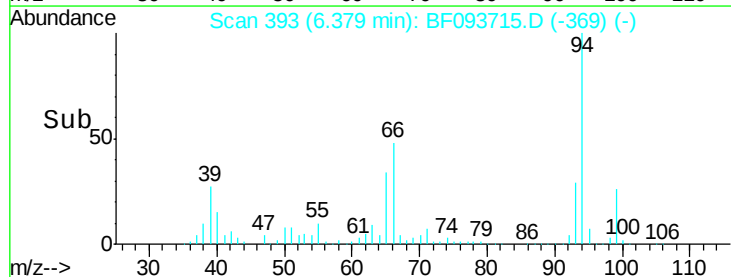
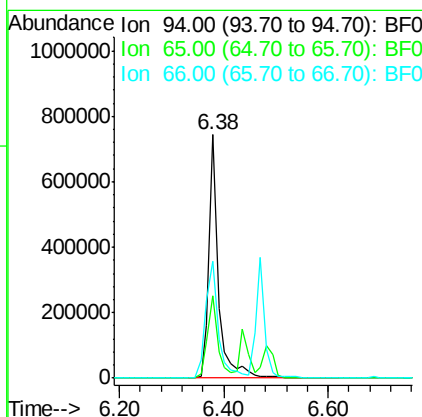
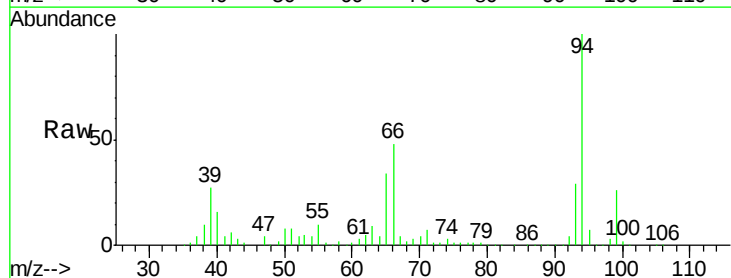
Manual Integrations  
APPROVED

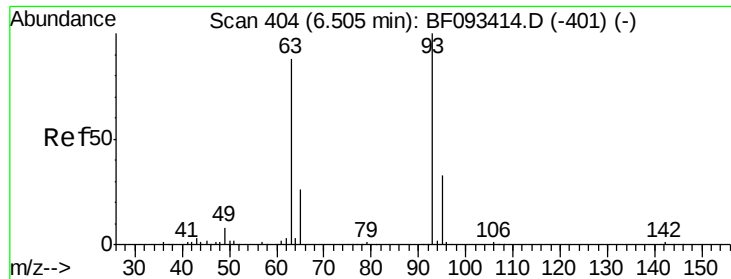
mohammad  
3/17/2017 2:29:49 PM



#10  
Phenol  
Concen: 57.00 ng  
RT: 6.38 min Scan# 393  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion: 94 Resp: 942465  
Ion Ratio Lower Upper  
94 100  
65 33.6 21.4 61.4  
66 48.2 44.0 84.0





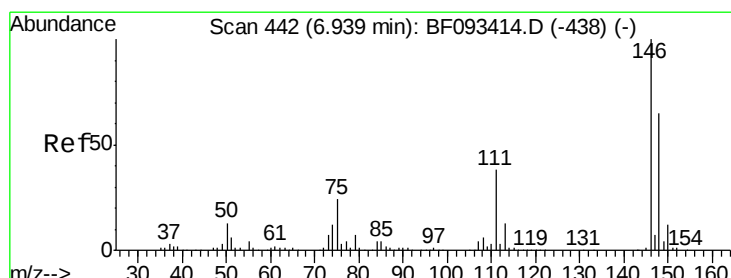
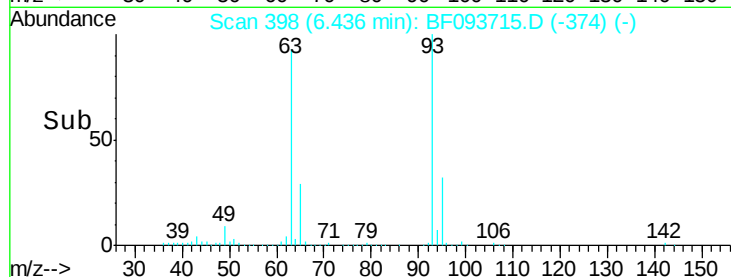
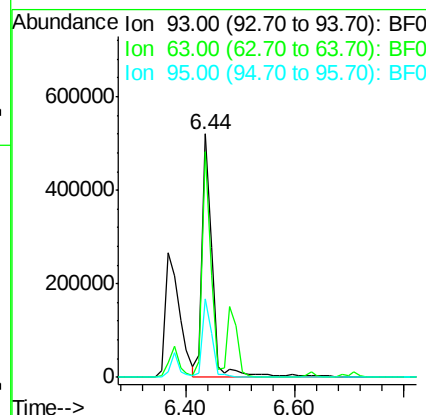
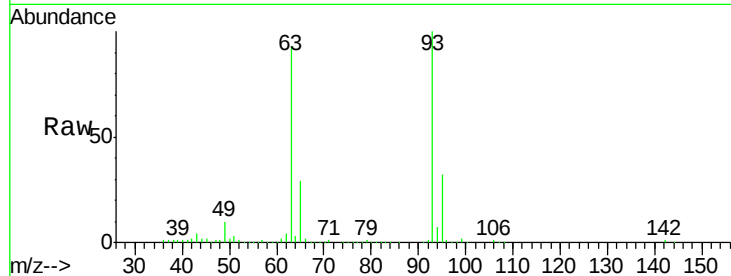
#11  
bis(2-Chloroethyl)ether  
Concen: 49.36 ng  
RT: 6.44 min Scan# 398  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion: 93 Resp: 659714  
Ion Ratio Lower Upper  
93 100  
63 92.5 60.4 100.4  
95 32.3 12.8 52.8

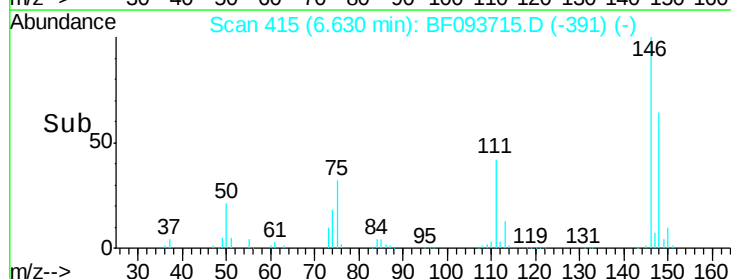
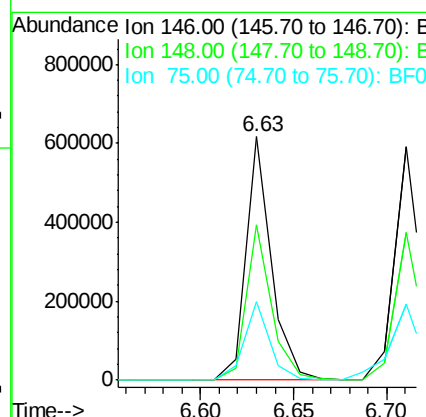
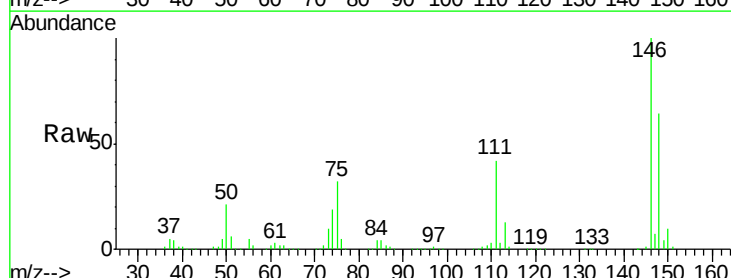
Manual Integrations  
APPROVED

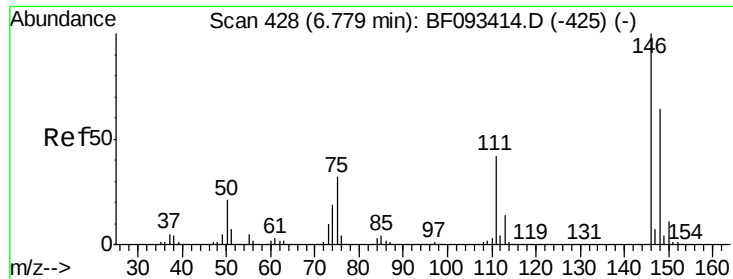
mohammad  
3/17/2017 2:29:49 PM



#12  
1,3-Dichlorobenzene  
Concen: 42.47 ng  
RT: 6.63 min Scan# 415  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion: 146 Resp: 582817  
Ion Ratio Lower Upper  
146 100  
148 64.0 53.4 80.0  
75 32.1 18.5 27.7#





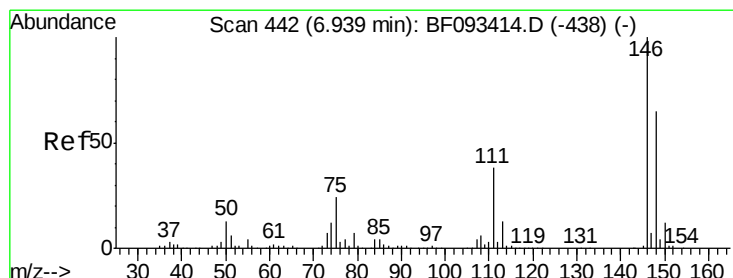
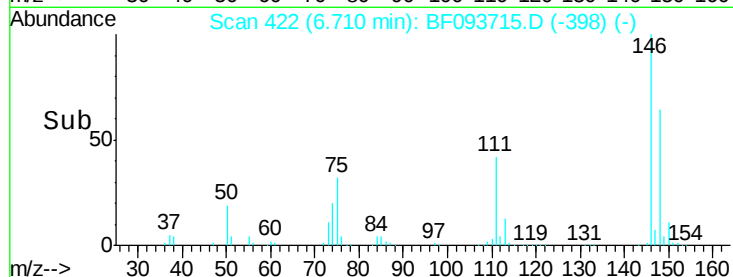
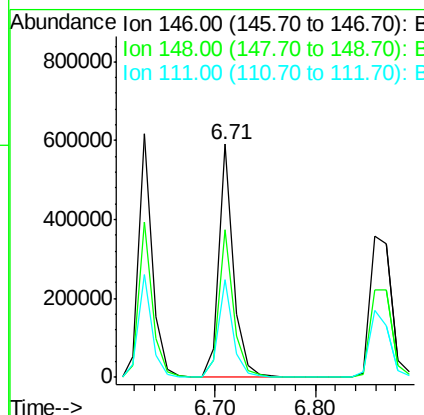
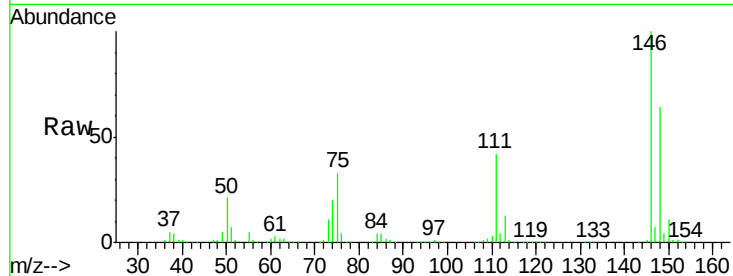
#13  
 1,4-Dichlorobenzene  
 Concen: 42.61 ng  
 RT: 6.71 min Scan# 422  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 50.6  | 76.0  |
| 111     | 41.8  | 36.2  | 54.4  |

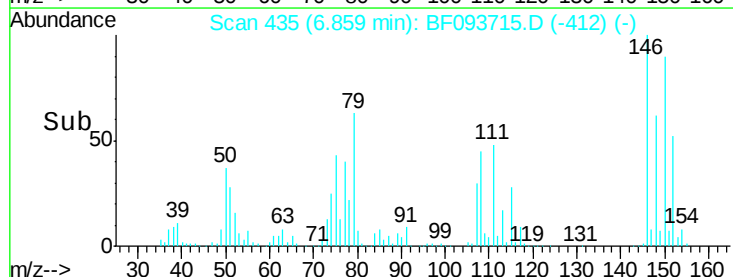
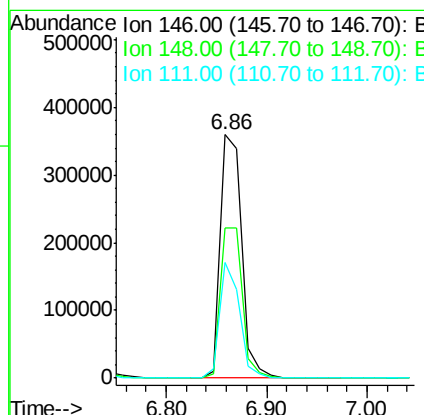
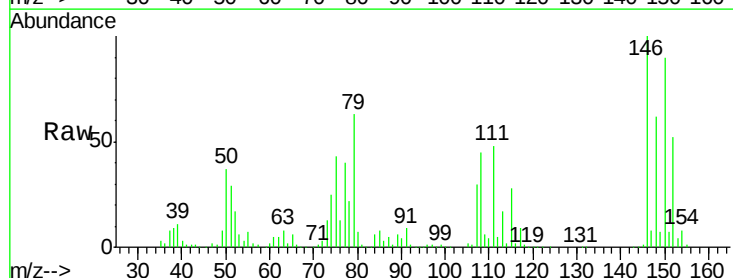
Manual Integrations  
 APPROVED

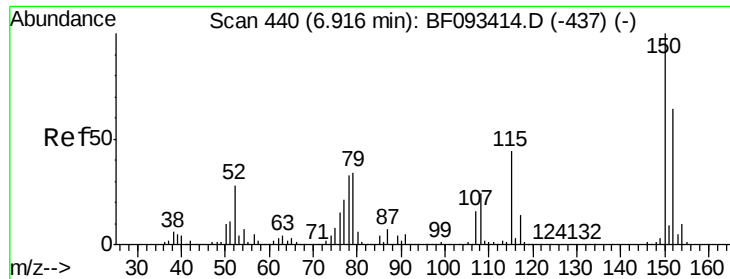
mohammad  
 3/17/2017 2:29:49 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 42.54 ng  
 RT: 6.86 min Scan# 435  
 Delta R.T. -0.03 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 61.9  | 52.2  | 78.2  |
| 111     | 47.6  | 36.2  | 54.2  |





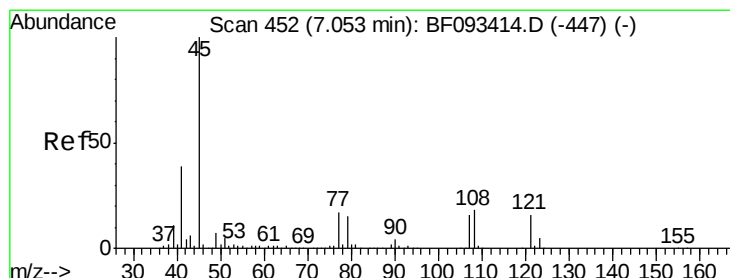
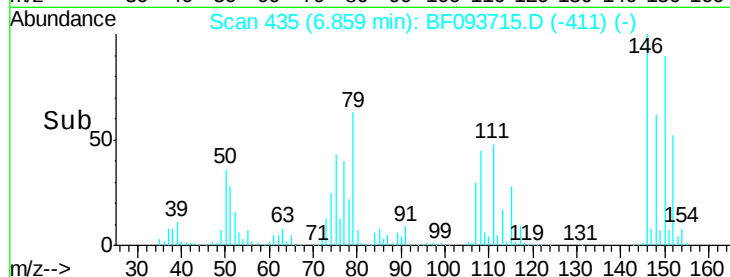
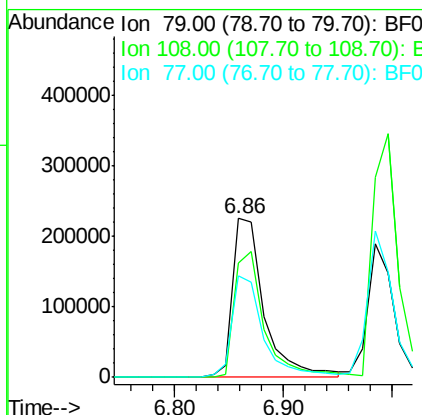
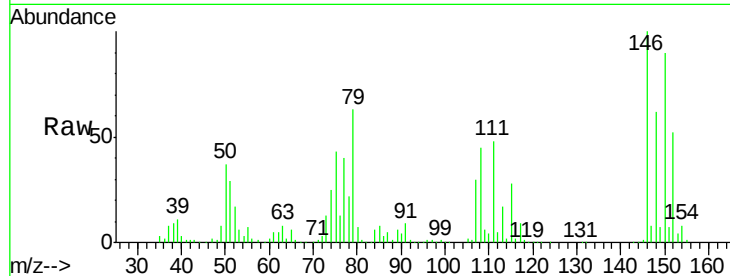
#15  
Benzyl Alcohol  
Concen: 47.22 ng  
RT: 6.86 min Scan# 435  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion: 79 Resp: 454205  
Ion Ratio Lower Upper  
79 100  
108 71.6 61.4 92.0  
77 64.1 50.9 76.3

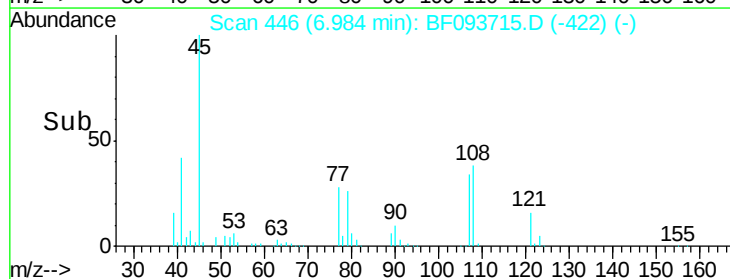
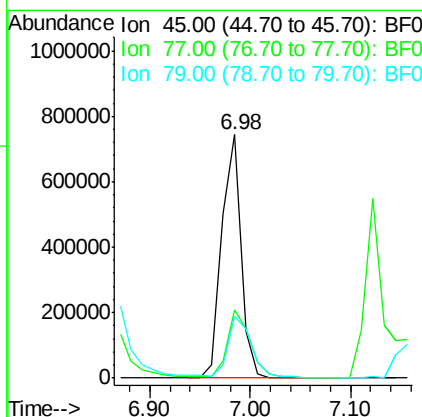
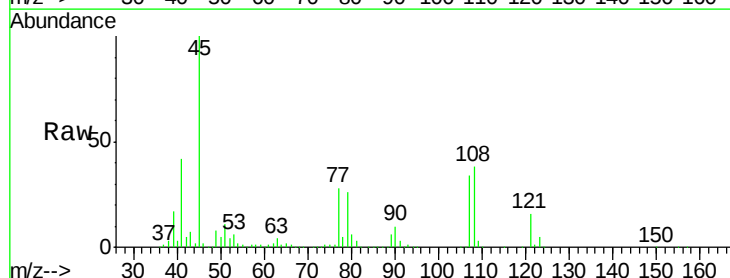
Manual Integrations  
APPROVED

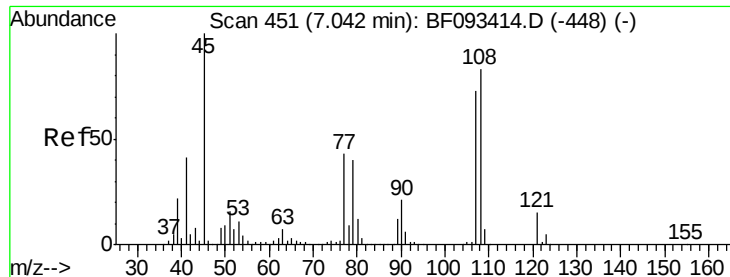
mohammad  
3/17/2017 2:29:49 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.74 ng  
RT: 6.98 min Scan# 446  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion: 45 Resp: 993317  
Ion Ratio Lower Upper  
45 100  
77 28.1 0.0 34.6  
79 25.6 0.0 31.2





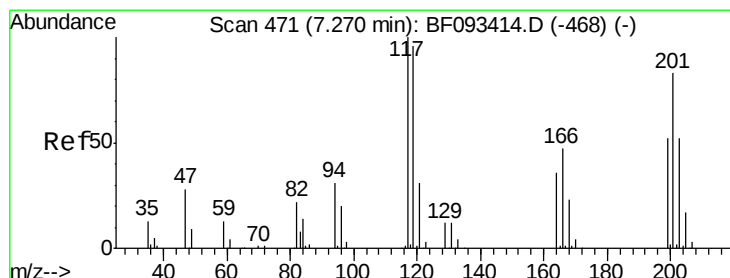
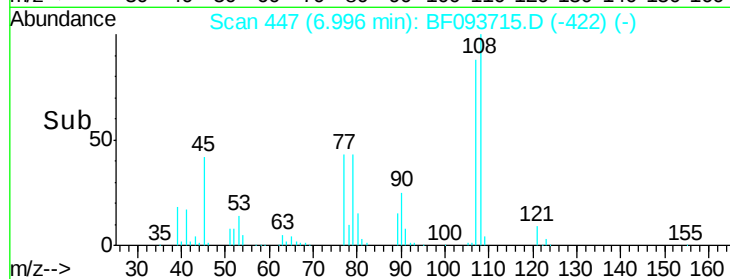
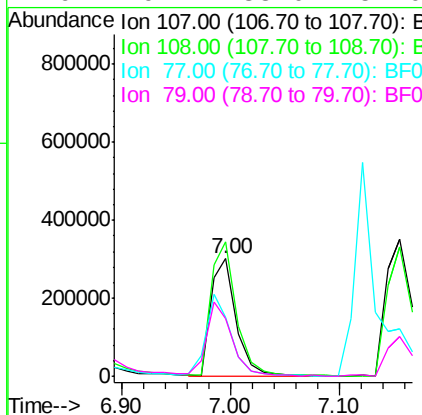
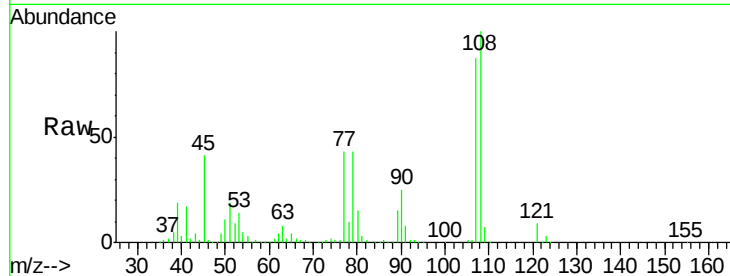
#17  
2-Methylphenol  
Concen: 47.72 ng  
RT: 7.00 min Scan# 447  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 483913 |       |       |
| 108     | 114.8 | 93.0   | 139.6 |       |
| 77      | 49.8  | 39.8   | 59.8  |       |
| 79      | 49.2  | 38.0   | 57.0  |       |

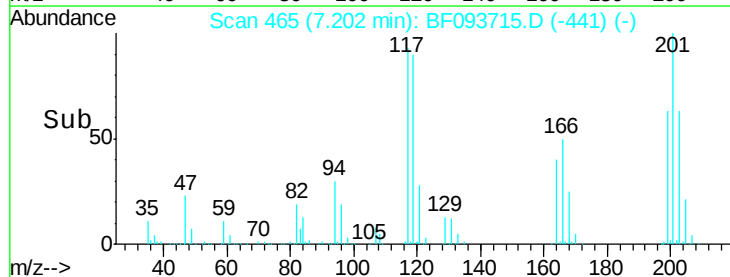
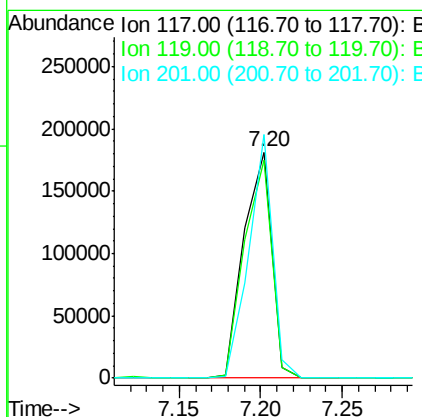
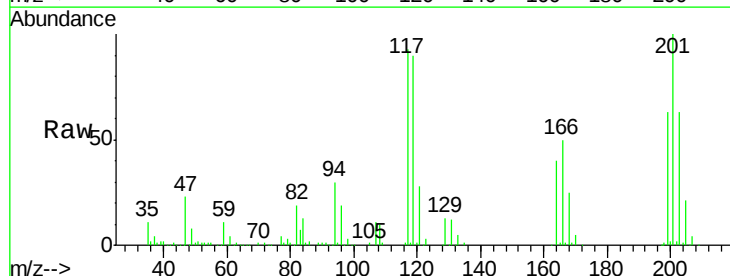
Manual Integrations  
APPROVED

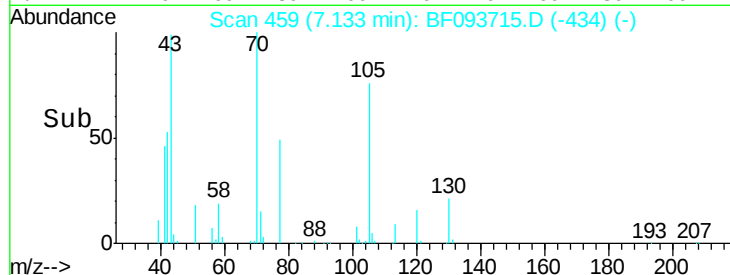
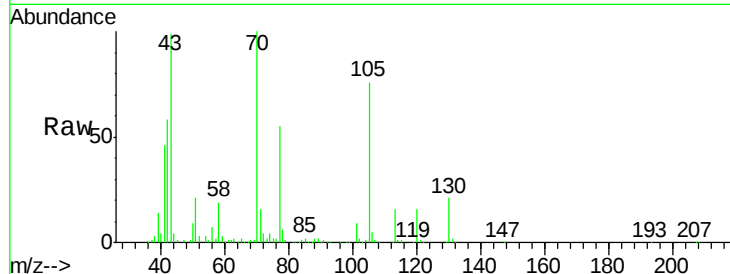
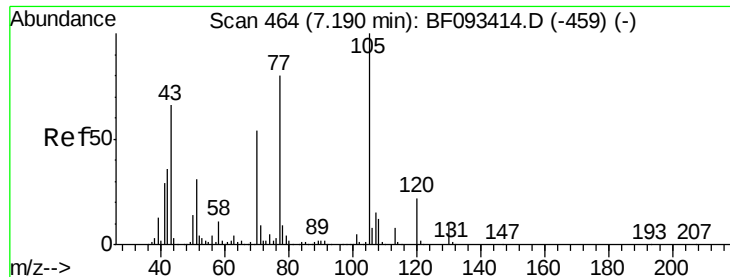
mohammad  
3/17/2017 2:29:49 PM



#18  
Hexachloroethane  
Concen: 45.46 ng  
RT: 7.20 min Scan# 465  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 215404 |       |       |
| 119     | 96.4  | 78.1   | 117.1 |       |
| 201     | 107.6 | 78.6   | 117.8 |       |





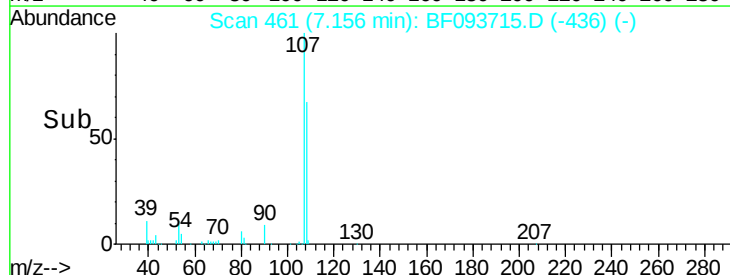
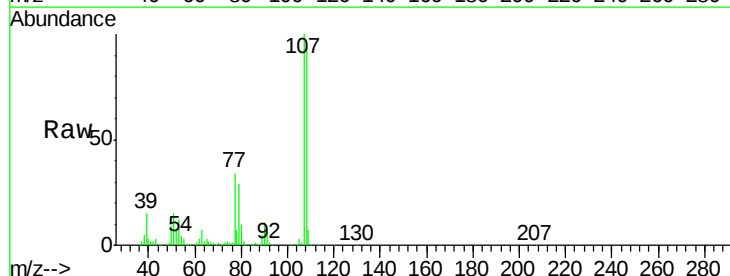
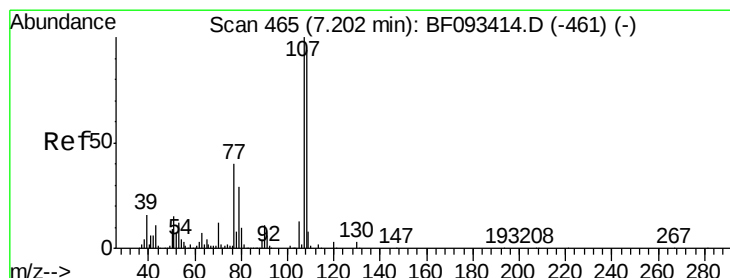
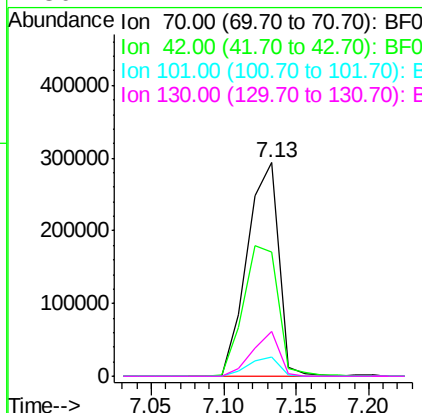
#19  
n-Nitroso-di-n-propylamine  
Concen: 47.72 ng  
RT: 7.13 min Scan# 459  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 58.1  | 49.4  | 74.0  |
| 101     | 9.2   | 7.4   | 11.2  |
| 130     | 21.1  | 14.2  | 21.4  |

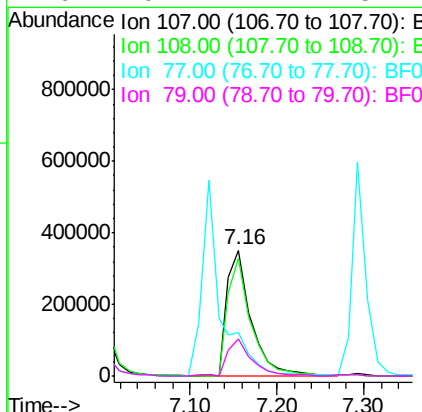
Manual Integrations  
APPROVED

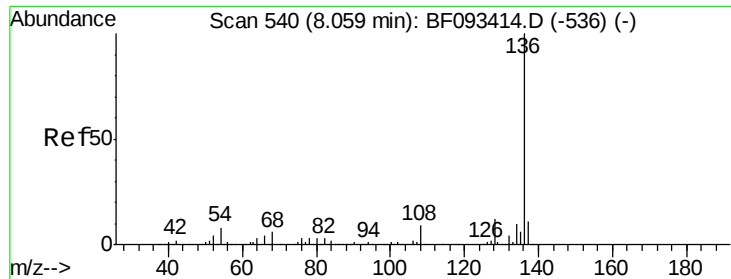
mohammad  
3/17/2017 2:29:49 PM



#20  
3+4-Methylphenols  
Concen: 51.63 ng  
RT: 7.16 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 94.2  | 73.0  | 113.0  |
| 77      | 34.2  | 71.3  | 111.3# |
| 79      | 29.2  | 11.1  | 51.1   |





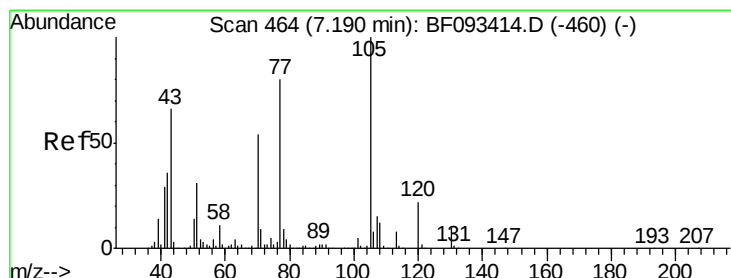
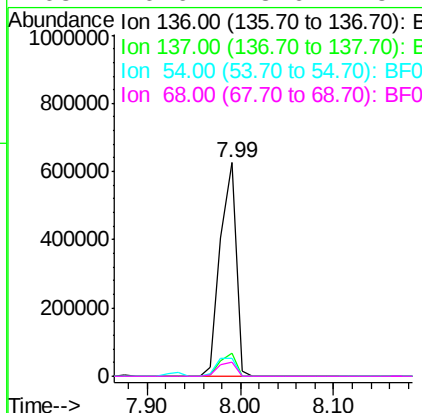
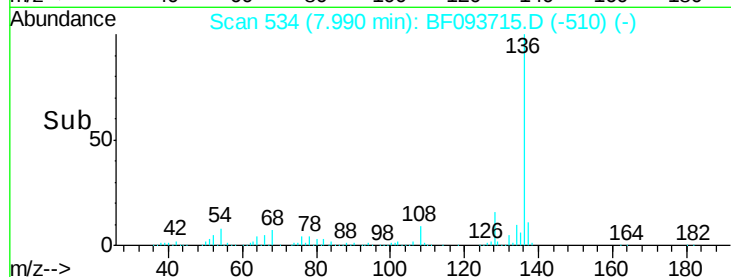
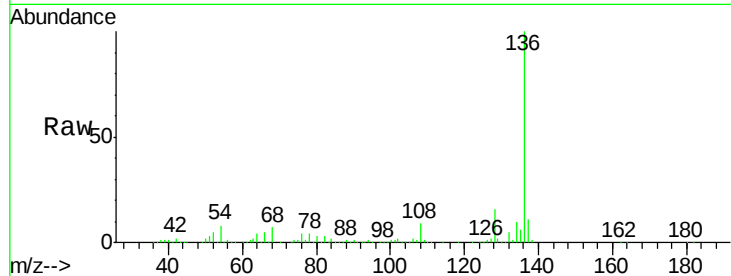
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.99 min Scan# 534  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 739454 |       |       |
| 137     | 10.7  | 8.4    | 12.6  |       |
| 54      | 8.3   | 4.5    | 6.7#  |       |
| 68      | 6.6   | 3.6    | 5.4#  |       |

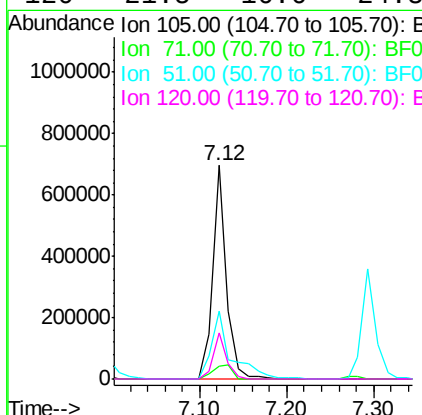
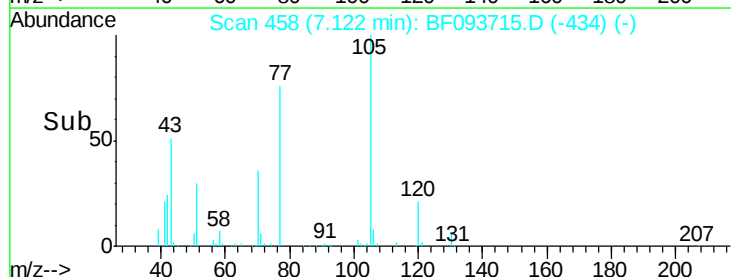
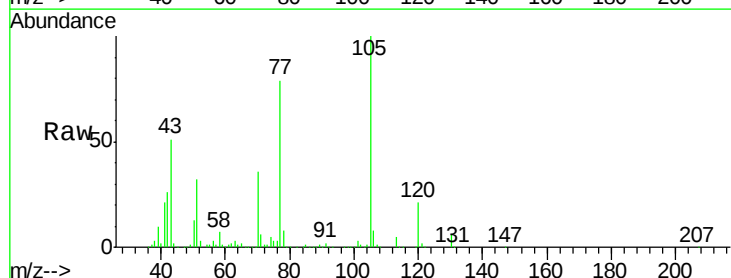
Manual Integrations  
APPROVED

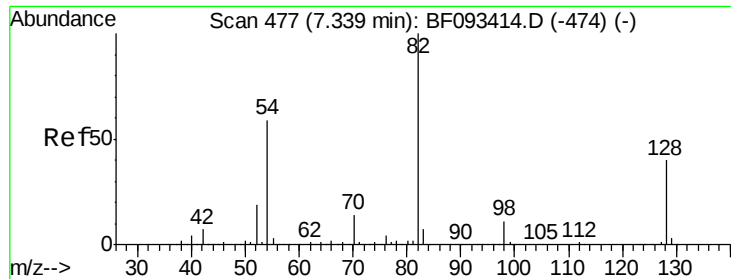
mohammad  
3/17/2017 2:29:49 PM



#22  
Acetophenone  
Concen: 43.27 ng  
RT: 7.12 min Scan# 458  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 769945 |       |       |
| 71      | 6.2   | 3.2    | 4.8#  |       |
| 51      | 31.8  | 26.2   | 39.4  |       |
| 120     | 21.5  | 16.6   | 24.8  |       |





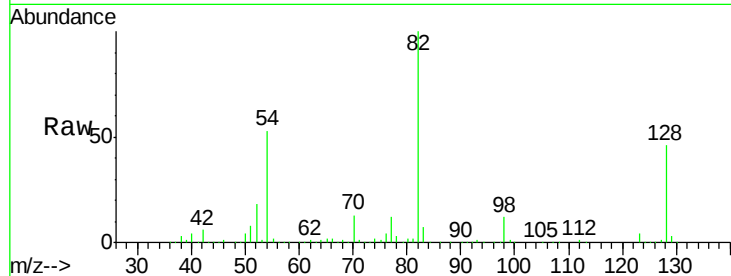
#23  
 Nitrobenzene-d5  
 Concen: 92.81 ng  
 RT: 7.28 min Scan# 472  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

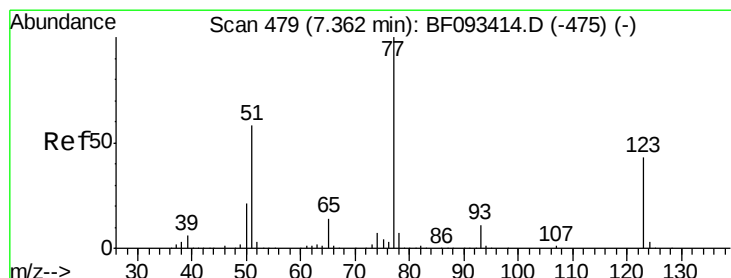
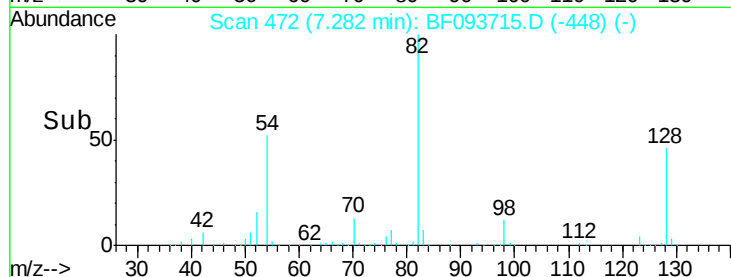
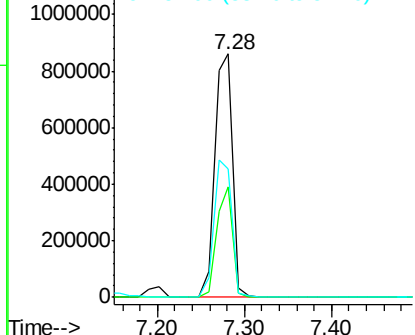
Tgt Ion: 82 Resp: 1236910  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 34.6 52.0  
 54 52.8 39.5 59.3

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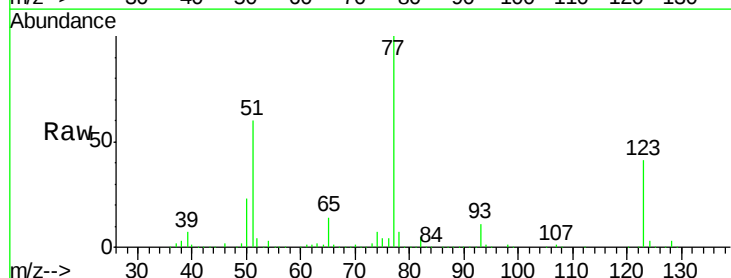


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

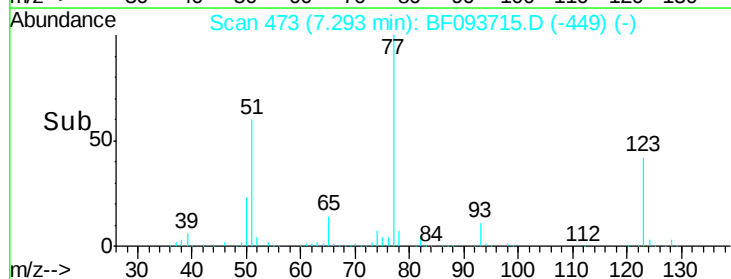
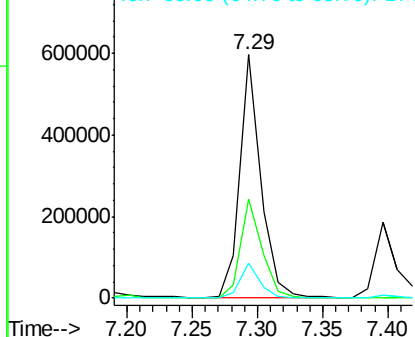


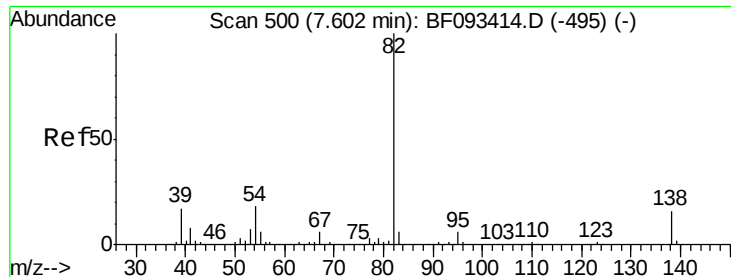
#24  
 Nitrobenzene  
 Concen: 43.83 ng  
 RT: 7.29 min Scan# 473  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Tgt Ion: 77 Resp: 656433  
 Ion Ratio Lower Upper  
 77 100  
 123 40.8 33.0 49.4  
 65 14.3 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 43.20 ng

RT: 7.53 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tgt Ion: 82 Resp: 1160911

Ion Ratio Lower Upper

82 100

95 6.5 5.6 8.4

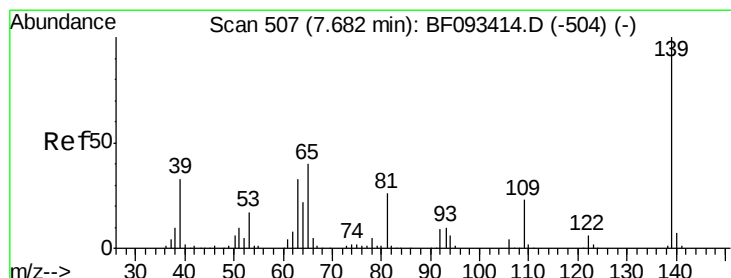
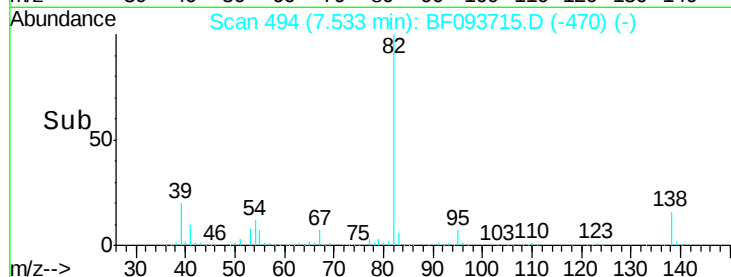
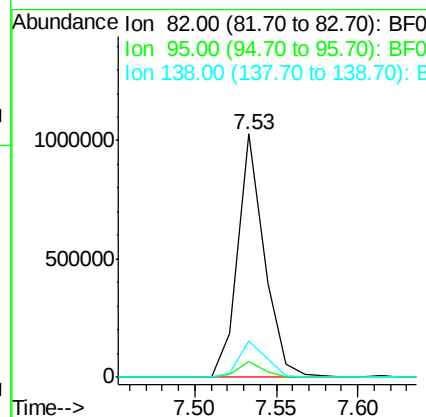
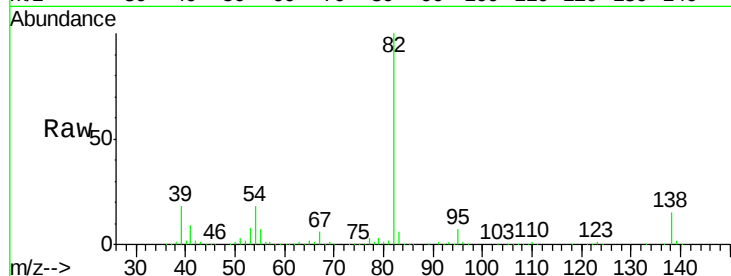
138 14.9 14.6 22.0

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#26

2-Nitrophenol

Concen: 45.17 ng

RT: 7.61 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

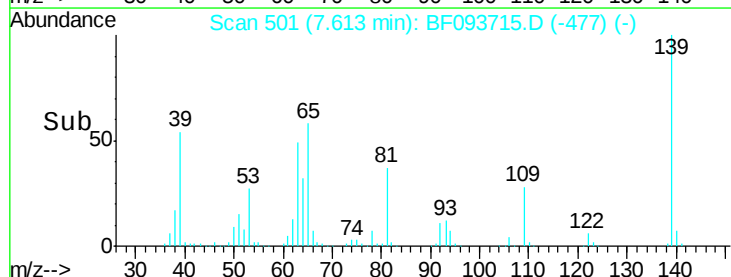
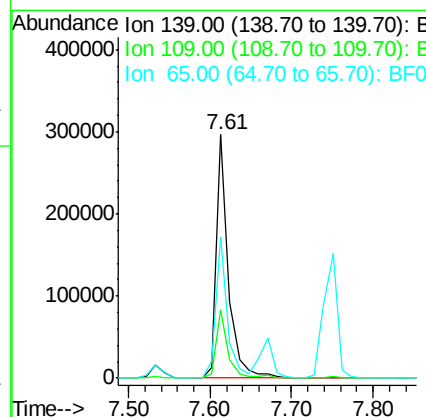
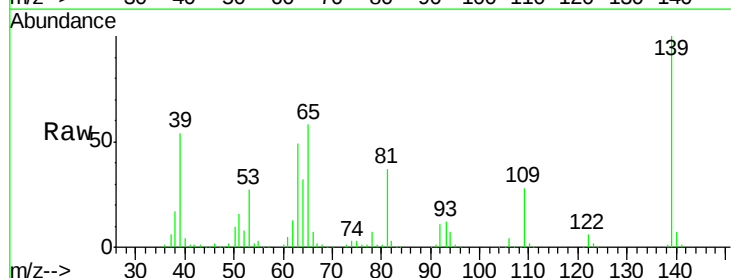
Tgt Ion: 139 Resp: 308650

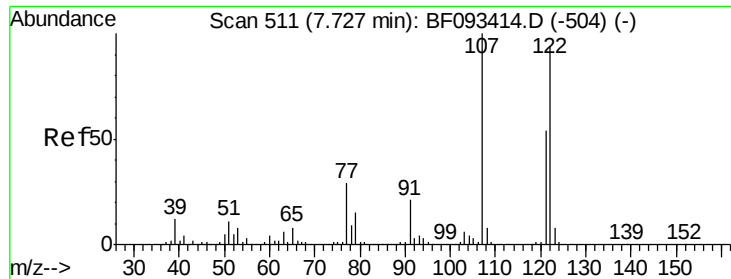
Ion Ratio Lower Upper

139 100

109 28.2 23.3 34.9

65 58.3 42.7 64.1





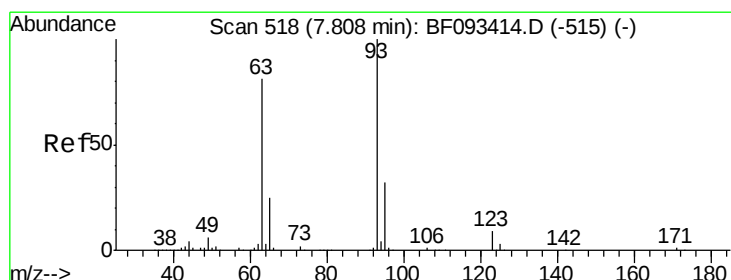
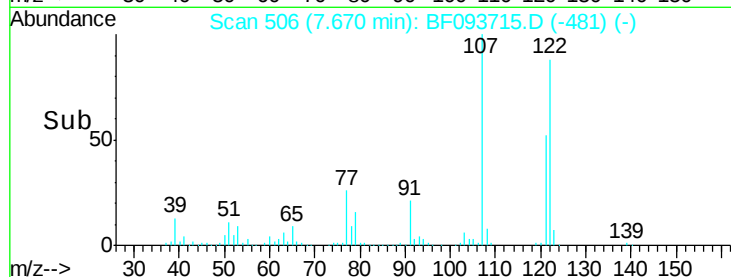
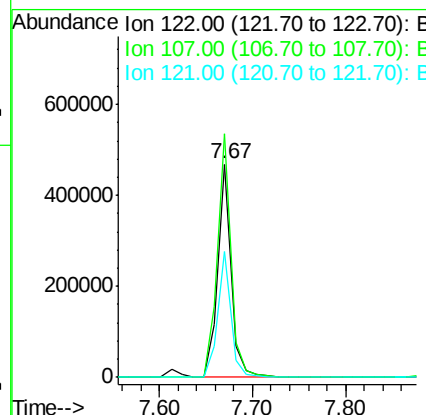
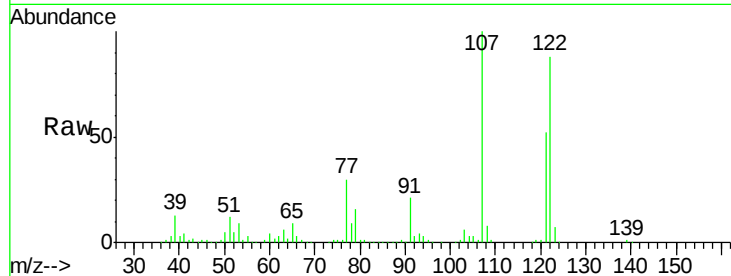
#27  
 2,4-Dimethylphenol  
 Concen: 42.15 ng  
 RT: 7.67 min Scan# 506  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 468561 |       |       |
| 107     | 114.1 | 94.1   | 141.1 |       |
| 121     | 59.0  | 46.0   | 69.0  |       |

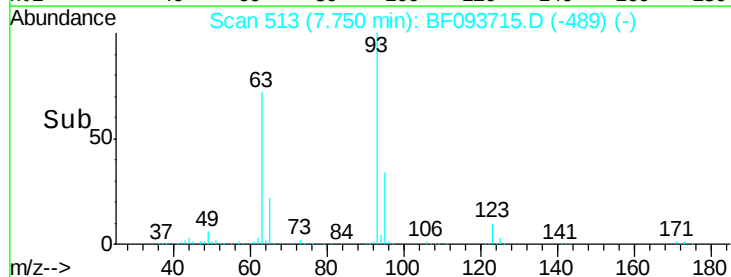
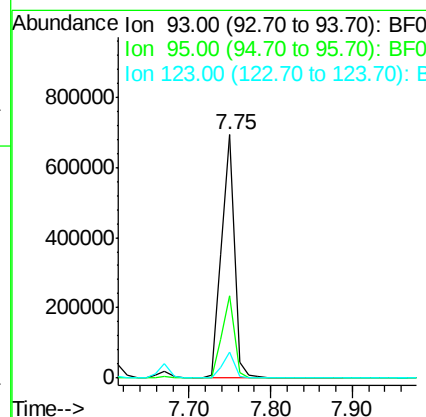
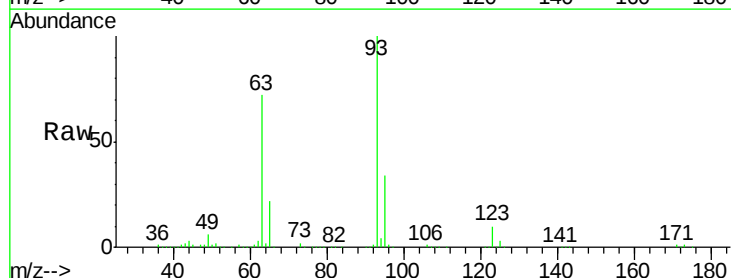
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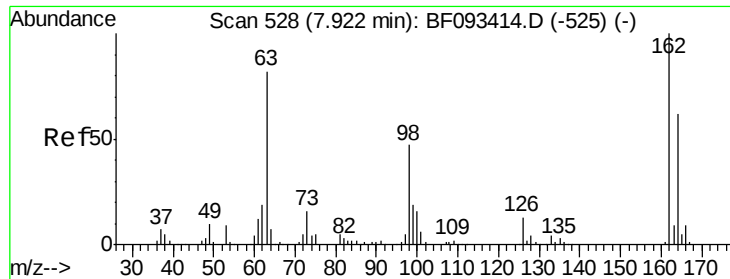
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.85 ng  
 RT: 7.75 min Scan# 513  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 760916 |       |       |
| 95      | 33.6  | 26.5   | 39.7  |       |
| 123     | 10.5  | 8.6    | 13.0  |       |





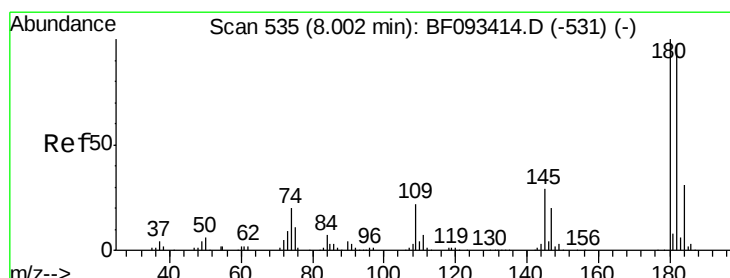
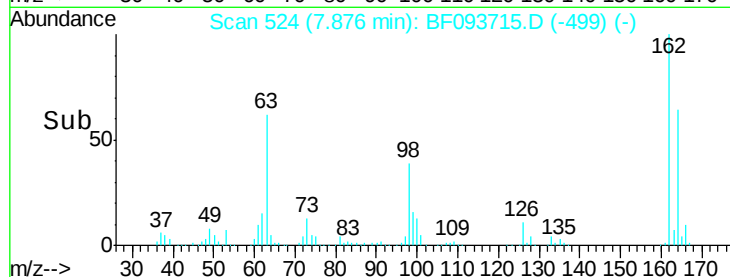
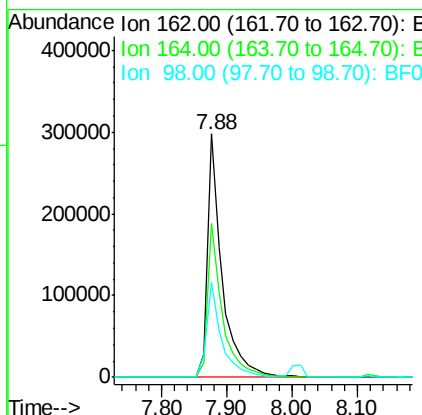
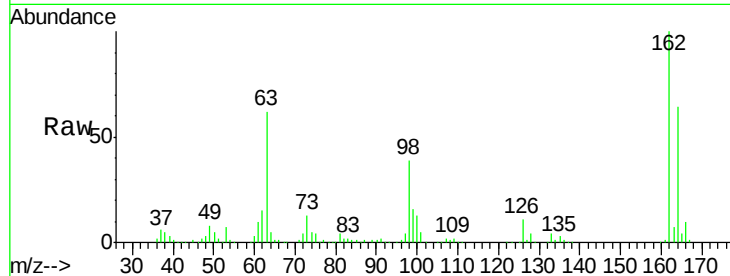
#29  
 2,4-Dichlorophenol  
 Concen: 44.27 ng  
 RT: 7.88 min Scan# 524  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 463024 |       |       |
| 164     | 63.5  | 46.8   | 86.8  |       |
| 98      | 39.2  | 9.1    | 49.1  |       |

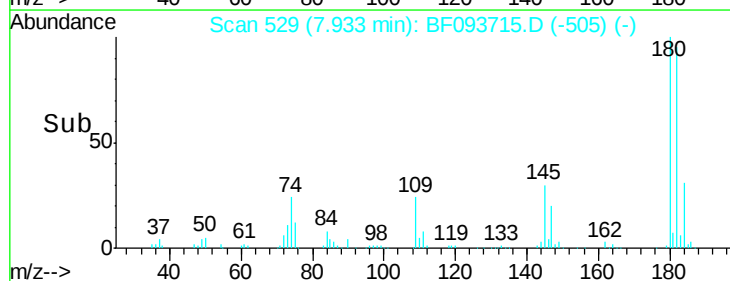
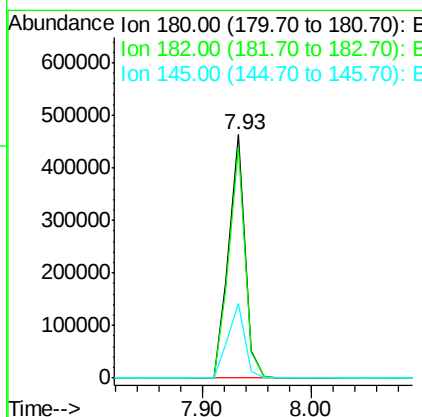
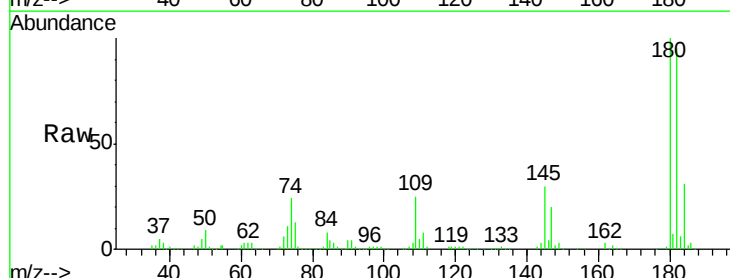
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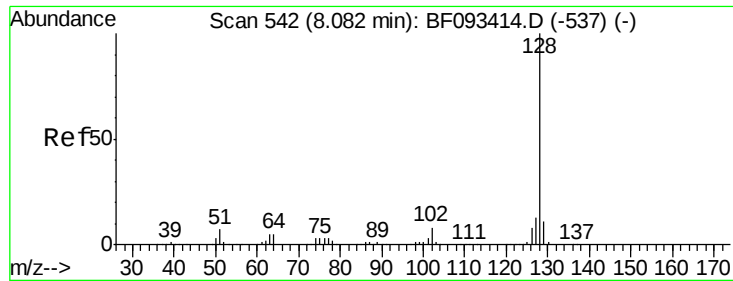
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.19 ng  
 RT: 7.93 min Scan# 529  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 480365 |       |       |
| 182     | 94.8  | 78.2   | 117.4 |       |
| 145     | 30.4  | 21.6   | 32.4  |       |





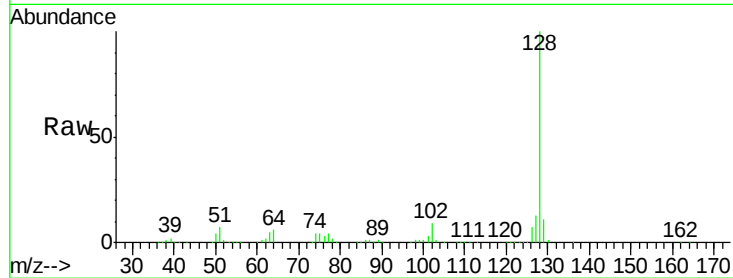
#31  
Naphthalene  
Concen: 41.18 ng  
RT: 8.01 min Scan# 536  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

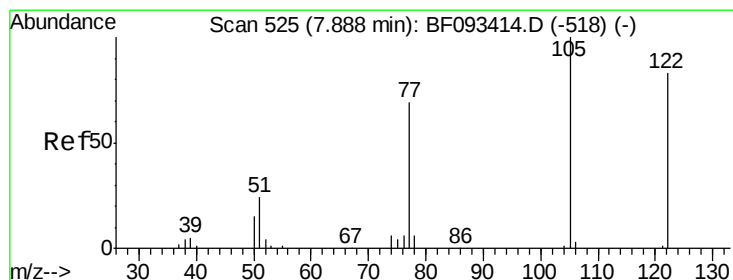
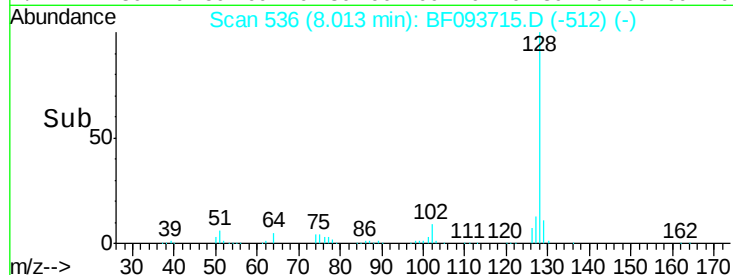
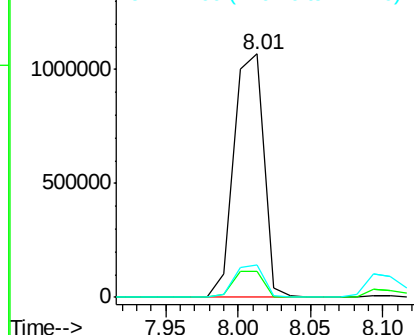
Tgt Ion:128 Resp: 1526039  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.5 14.3  
127 13.5 10.8 16.2

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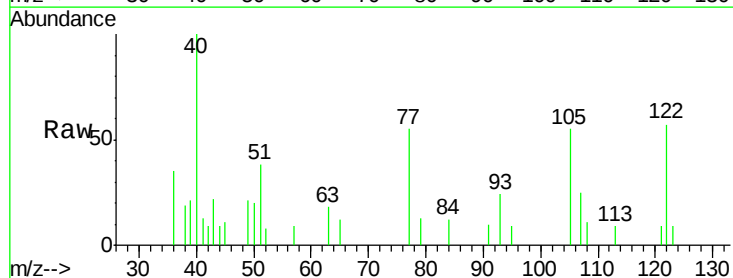


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

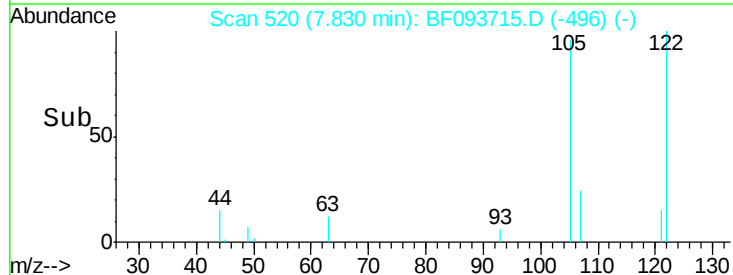
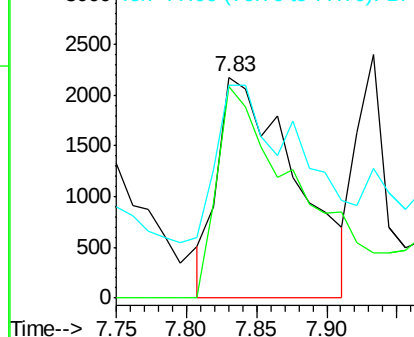


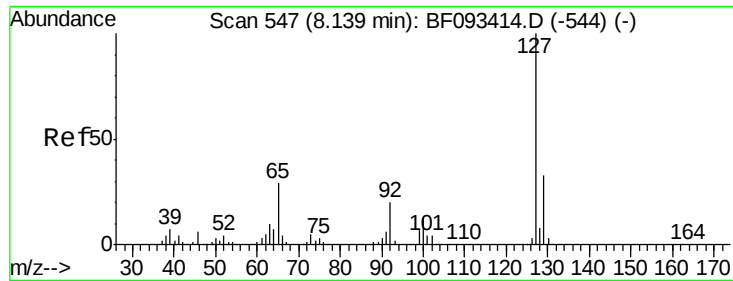
#32  
Benzoic acid  
Concen: 1.45 ng m  
RT: 7.83 min Scan# 520  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:122 Resp: 8369  
Ion Ratio Lower Upper  
122 100  
105 95.8 107.2 147.2#  
77 96.5 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





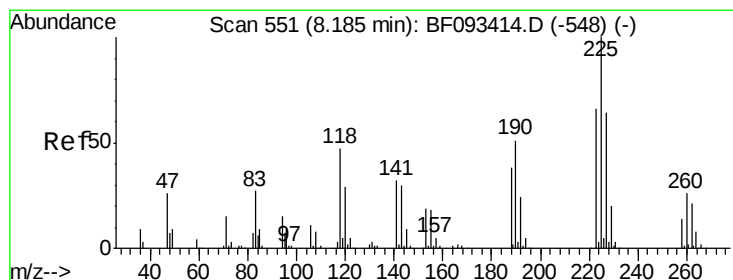
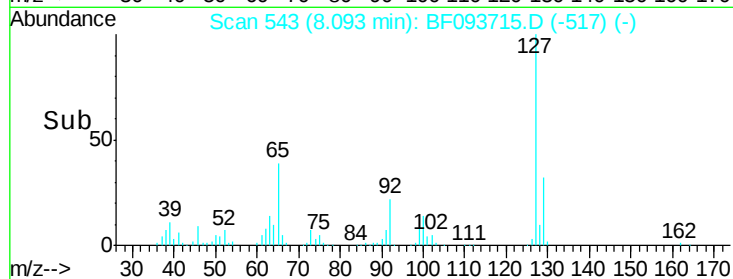
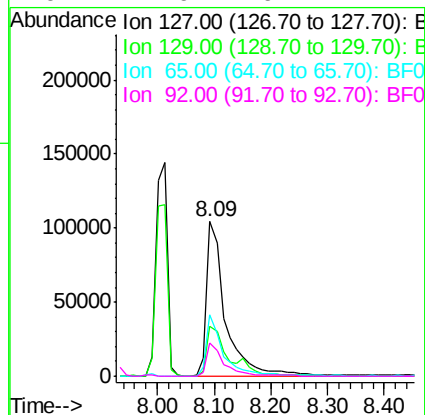
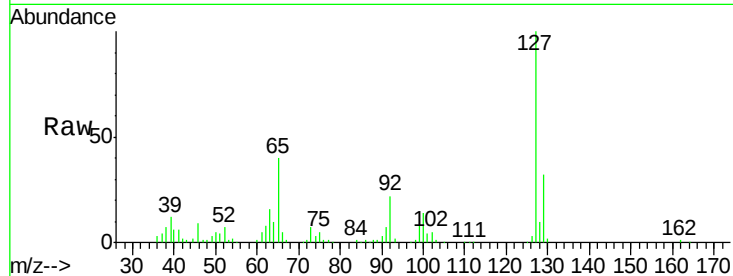
#33  
4-Chloroaniline  
Concen: 15.37 ng  
RT: 8.09 min Scan# 543  
Delta R.T. -0.00 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 127     | 100   |            |            |
| 129     | 32.1  | 26.3       | 39.5       |
| 65      | 40.0  | 25.8       | 38.8       |
| 92      | 21.9  | 16.1       | 24.1       |

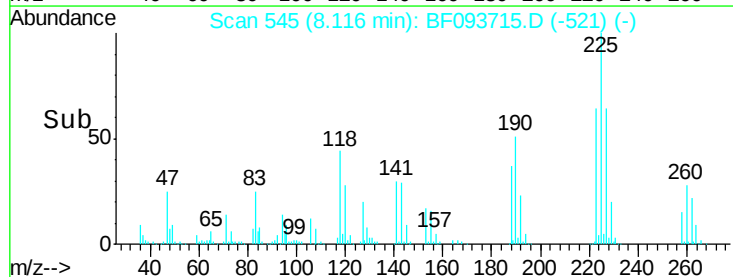
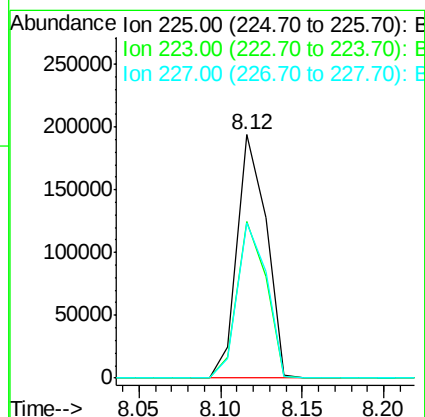
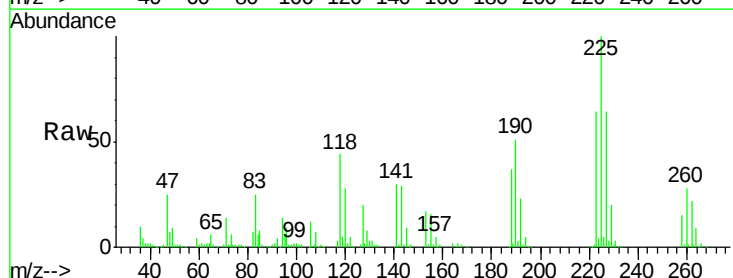
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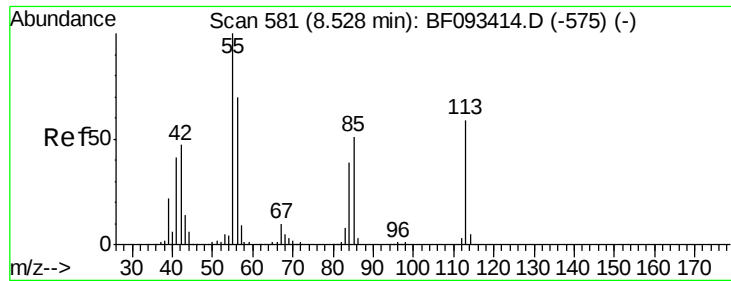
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#34  
Hexachlorobutadiene  
Concen: 41.84 ng  
RT: 8.12 min Scan# 545  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 225     | 100   |            |            |
| 223     | 64.1  | 51.0       | 76.6       |
| 227     | 63.6  | 50.6       | 76.0       |





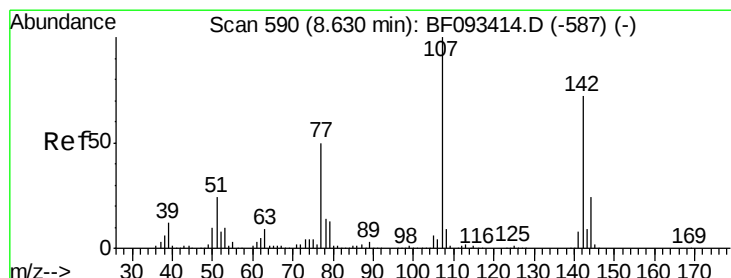
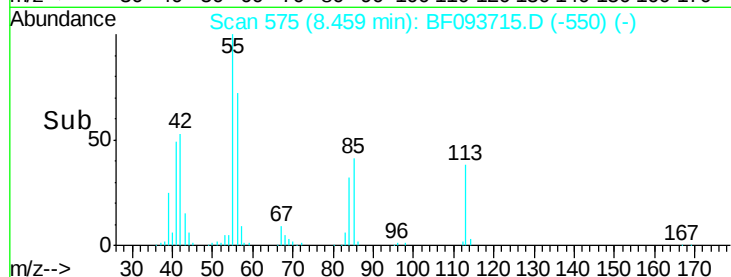
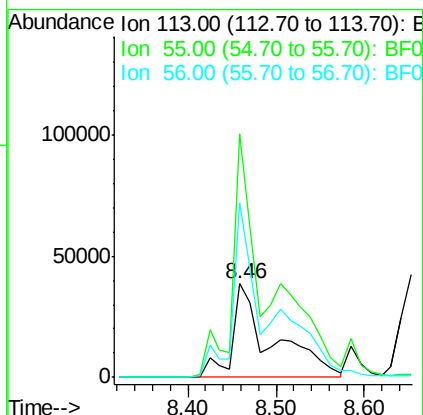
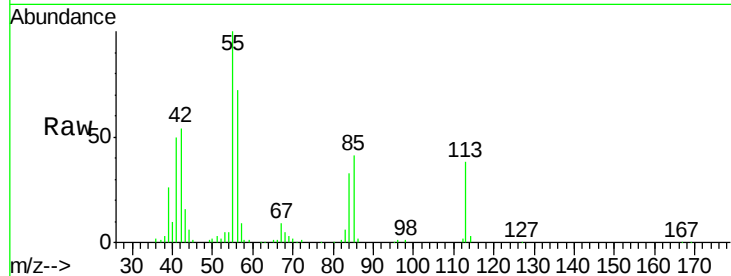
#35  
 Caprolactam  
 Concen: 33.67 ng m  
 RT: 8.46 min Scan# 575  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

Tgt Ion:113 Resp: 120258  
 Ion Ratio Lower Upper  
 113 100  
 55 261.0 119.2 159.2#  
 56 187.2 83.8 123.8#

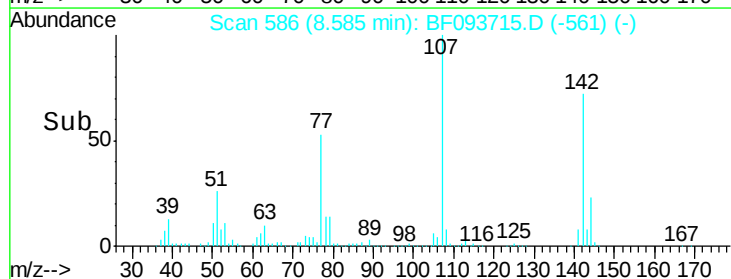
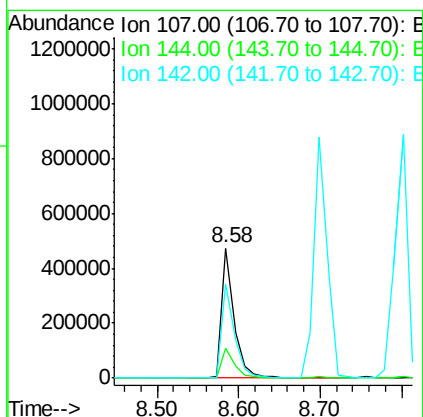
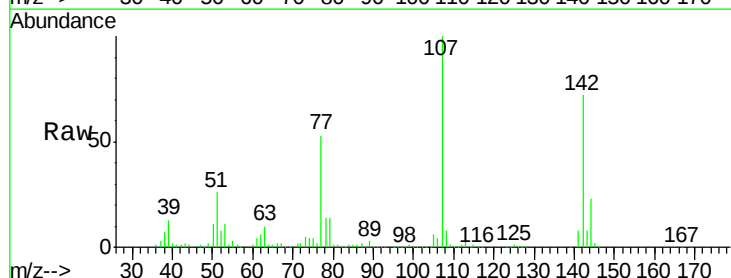
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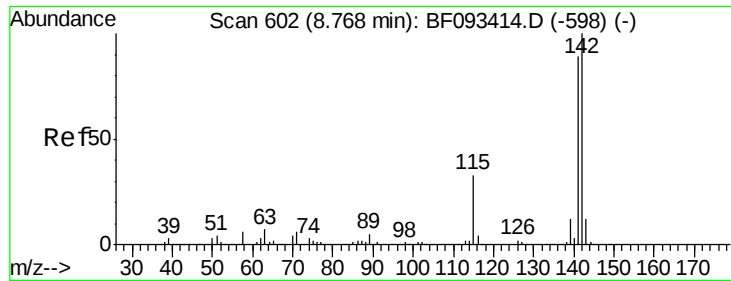
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#36  
 4-Chloro-3-methylphenol  
 Concen: 44.60 ng  
 RT: 8.58 min Scan# 586  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Tgt Ion:107 Resp: 497896  
 Ion Ratio Lower Upper  
 107 100  
 144 22.9 19.3 28.9  
 142 71.8 59.0 88.6





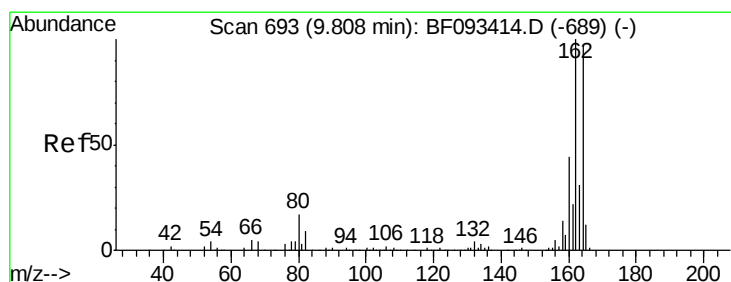
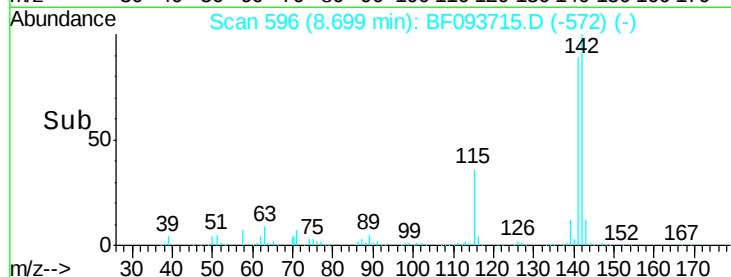
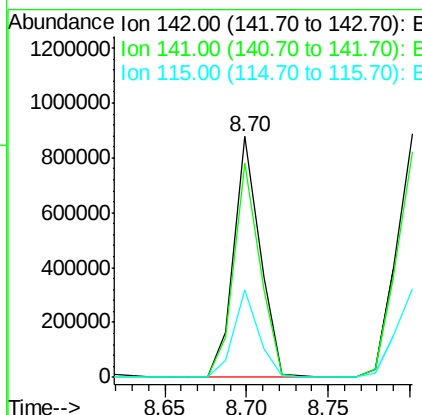
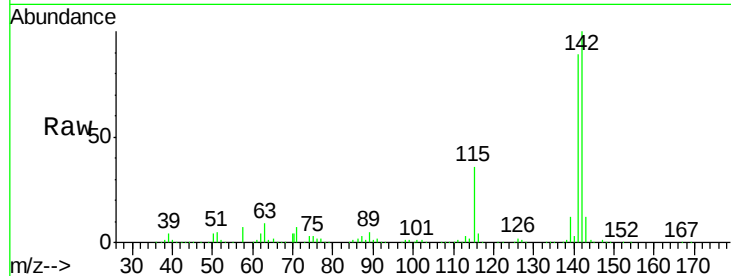
#37  
2-Methylnaphthalene  
Concen: 41.35 ng  
RT: 8.70 min Scan# 596  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.2  | 71.0  | 106.6 |
| 115     | 36.1  | 28.3  | 42.5  |

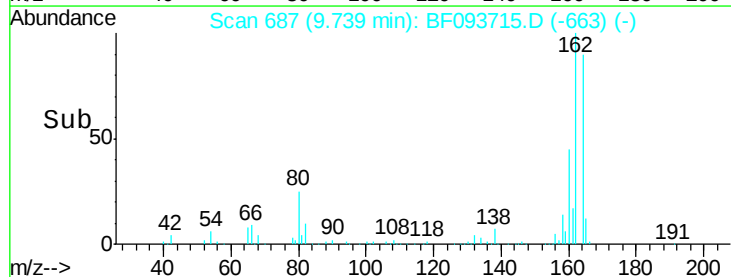
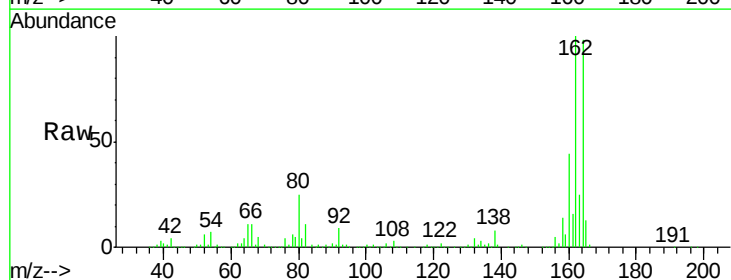
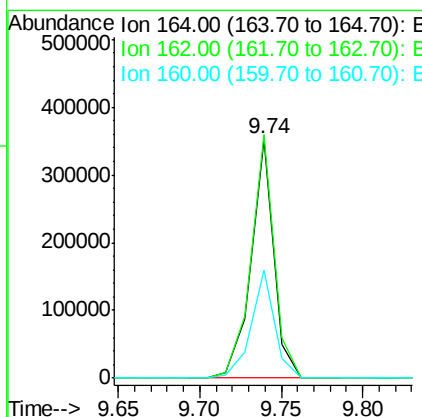
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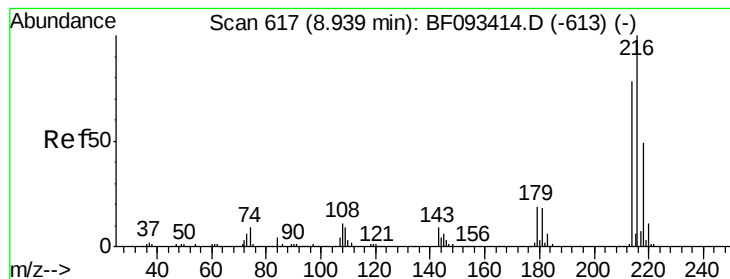
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.74 min Scan# 687  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 80.2  | 120.2 |
| 160     | 45.1  | 36.9  | 55.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.44 ng

RT: 8.87 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

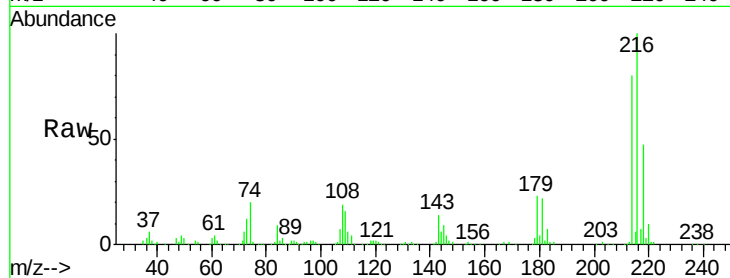
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 442498 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.6  | 63.4  | 95.0   |
| 179       | 22.3  | 17.4  | 26.2   |
| 108       | 22.5  | 15.6  | 23.4   |

Manual Integrations  
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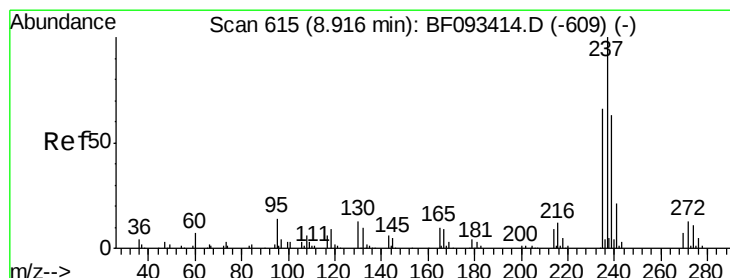
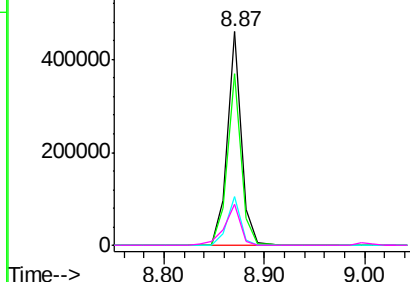
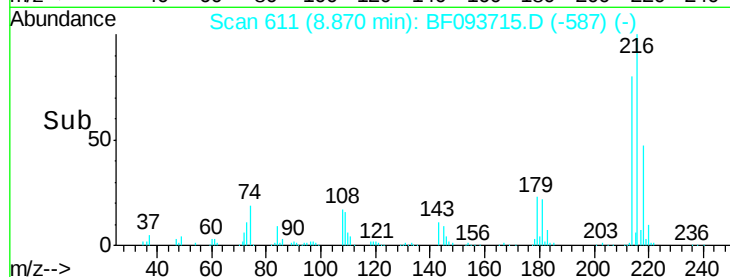


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 87.96 ng

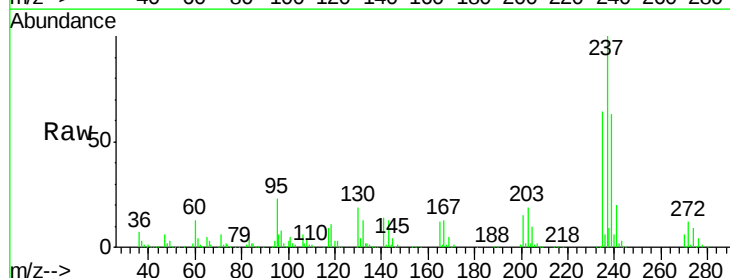
RT: 8.85 min Scan# 609

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

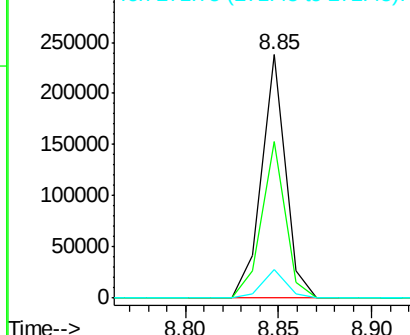
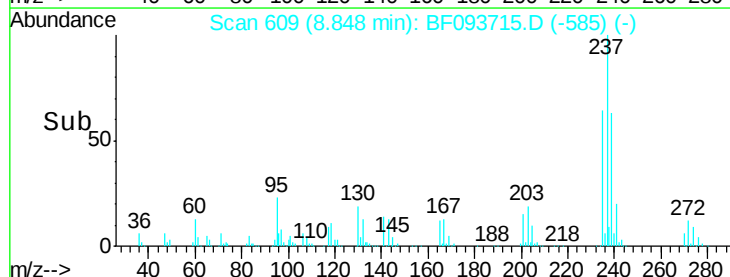
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 210338 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 64.3  | 41.2  | 81.2   |
| 272       | 11.8  | 0.0   | 35.4   |

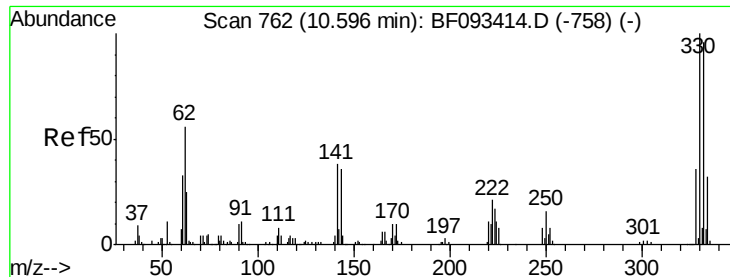


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





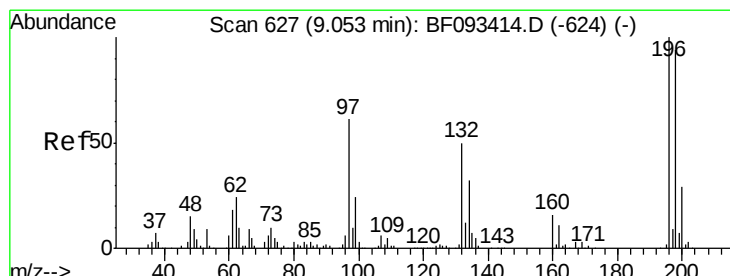
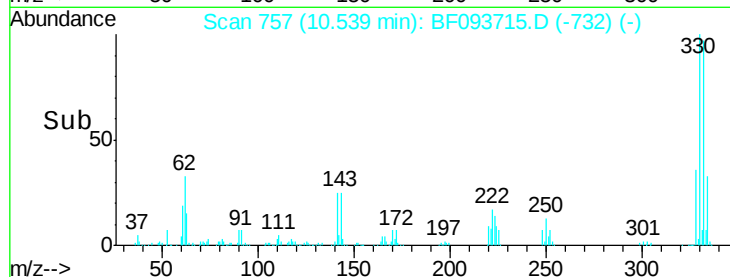
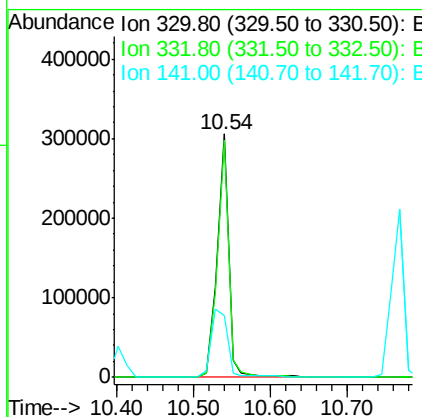
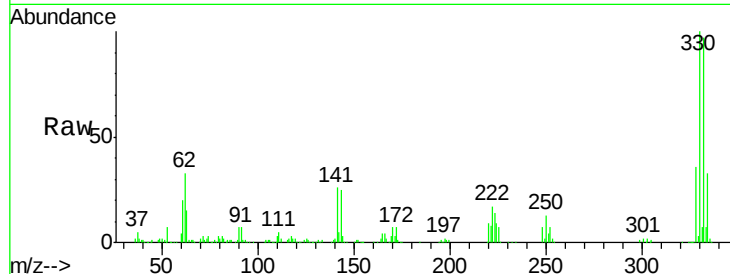
#41  
 2,4,6-Tribromophenol  
 Concen: 144.84 ng  
 RT: 10.54 min Scan# 757  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 322328 |       |       |
| 332     | 97.9  | 77.4   | 116.2 |       |
| 141     | 39.4  | 34.1   | 51.1  |       |

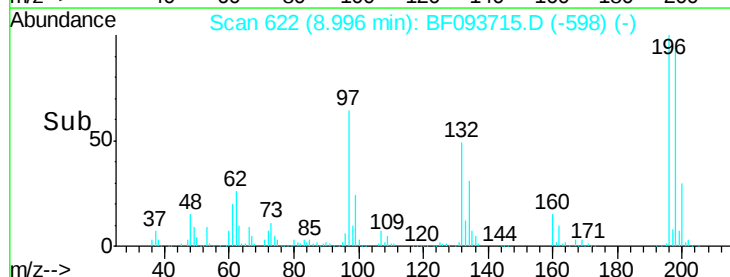
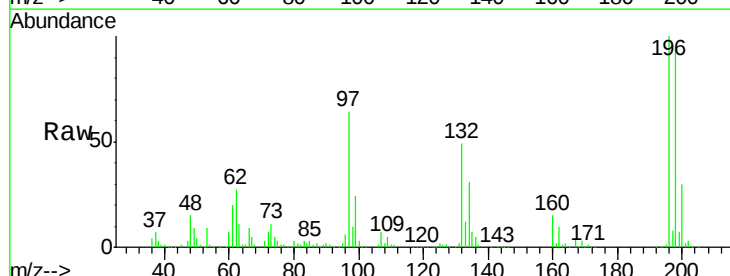
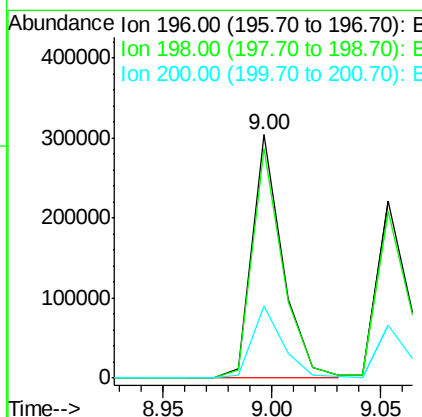
Manual Integrations  
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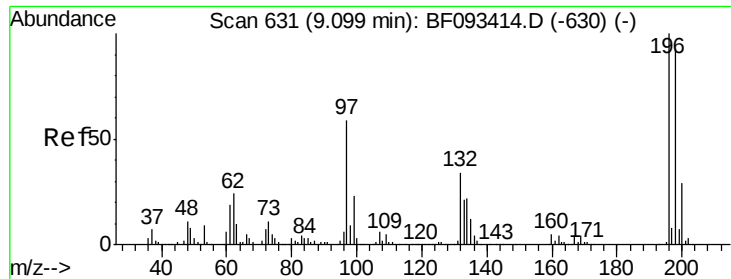
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#42  
 2,4,6-Trichlorophenol  
 Concen: 50.83 ng  
 RT: 9.00 min Scan# 622  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 296205 |       |       |
| 198     | 94.4  | 82.1   | 123.1 |       |
| 200     | 29.9  | 27.0   | 40.4  |       |





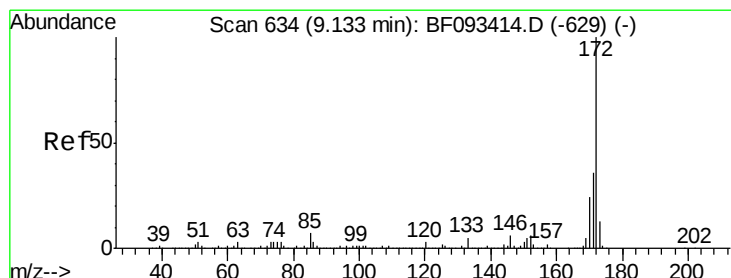
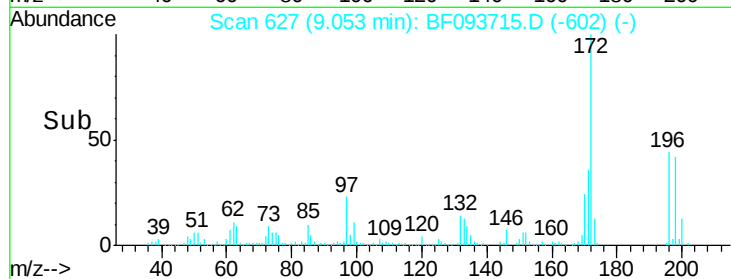
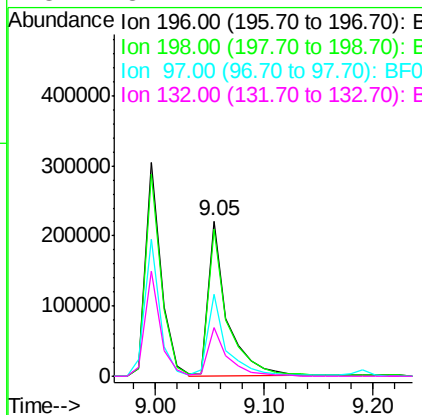
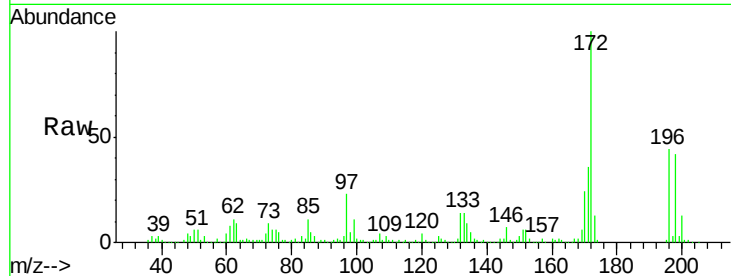
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.14 ng  
 RT: 9.05 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 269763 |       |       |
| 198     | 94.5  | 79.4   | 119.2 |       |
| 97      | 52.7  | 51.5   | 77.3  |       |
| 132     | 31.7  | 27.4   | 41.2  |       |

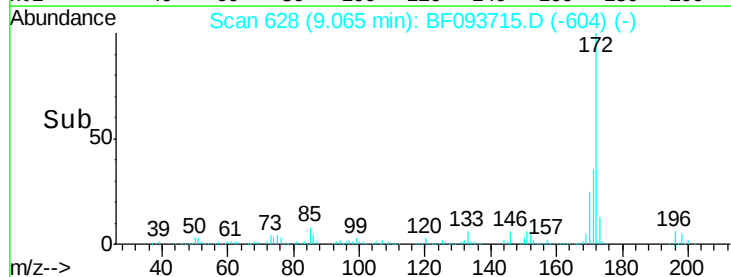
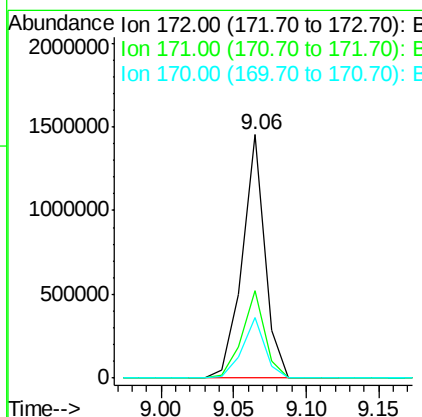
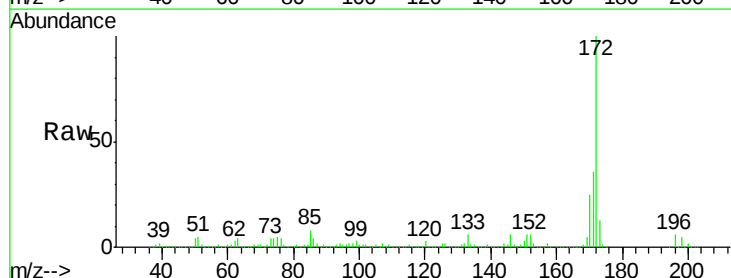
Manual Integrations  
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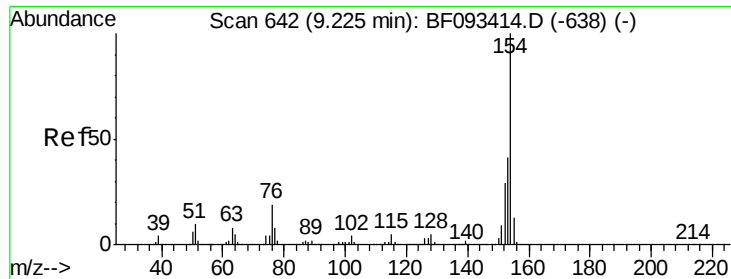
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#44  
 2-Fluorobiphenyl  
 Concen: 86.00 ng  
 RT: 9.06 min Scan# 628  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1579319 |       |       |
| 171     | 35.9  | 29.4    | 44.0  |       |
| 170     | 24.6  | 20.2    | 30.4  |       |





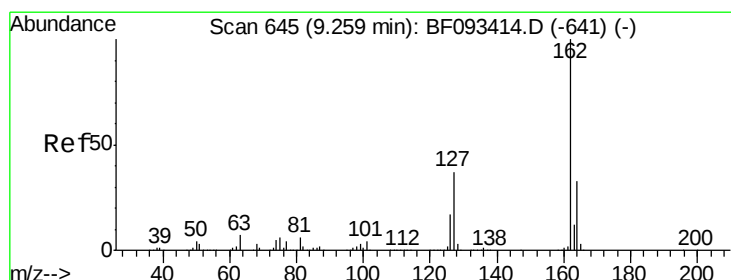
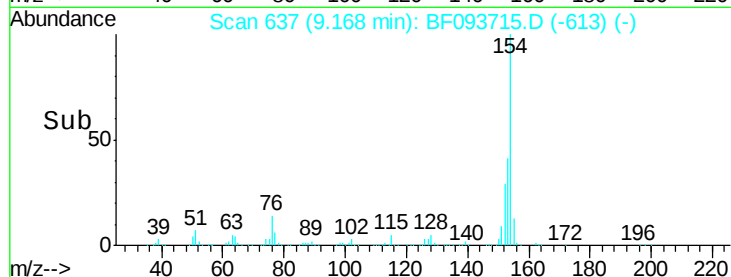
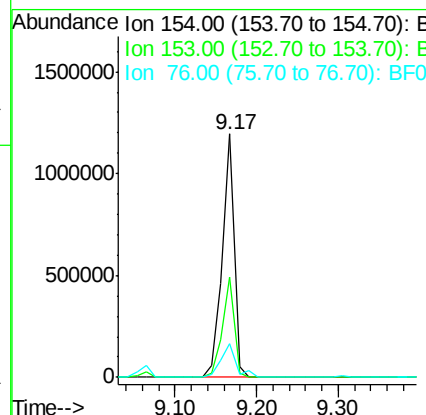
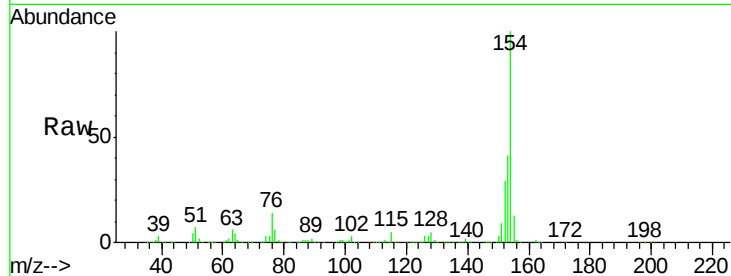
#45  
 1,1'-Biphenyl  
 Concen: 49.09 ng  
 RT: 9.17 min Scan# 637  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 20.9  | 60.9  |
| 76      | 13.8  | 0.0   | 30.5  |

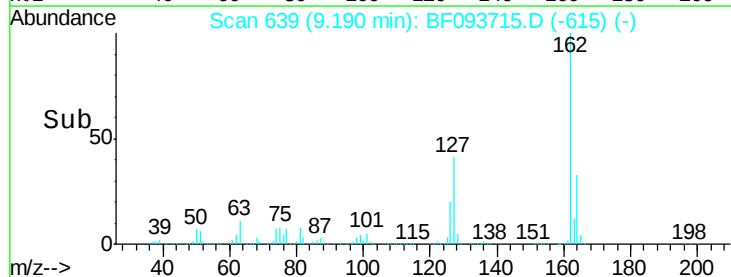
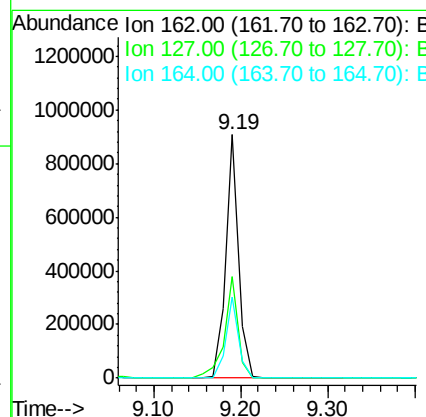
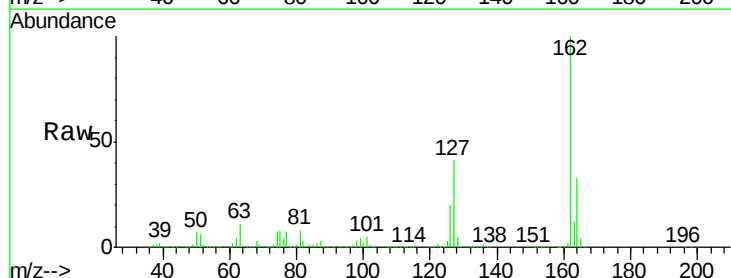
Manual Integrations  
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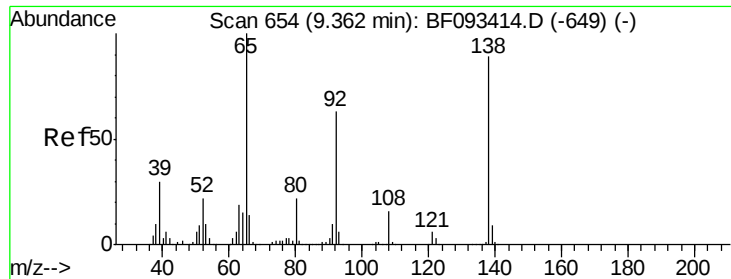
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#46  
 2-Chloronaphthalene  
 Concen: 49.78 ng  
 RT: 9.19 min Scan# 639  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.5  | 30.7  | 46.1  |
| 164     | 33.2  | 27.6  | 41.4  |





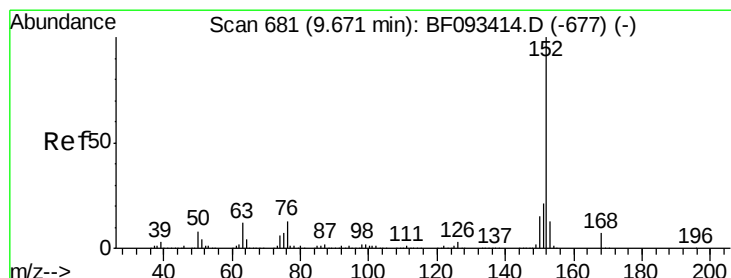
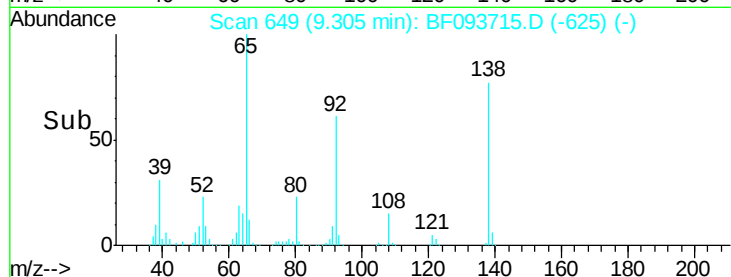
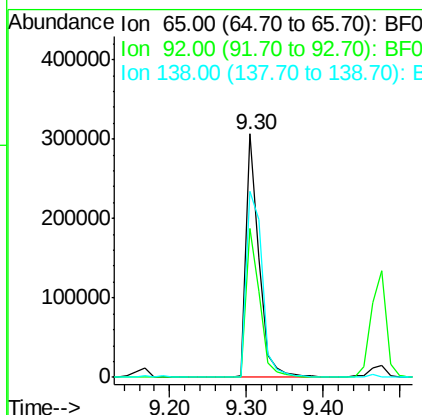
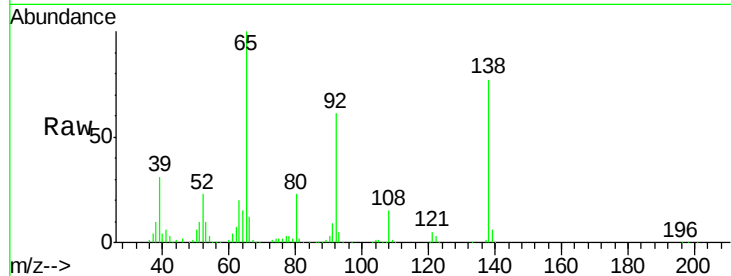
#47  
 2-Nitroaniline  
 Concen: 52.22 ng  
 RT: 9.30 min Scan# 649  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

Tgt Ion: 65 Resp: 351573  
 Ion Ratio Lower Upper  
 65 100  
 92 61.4 53.9 80.9  
 138 76.6 76.8 115.2#

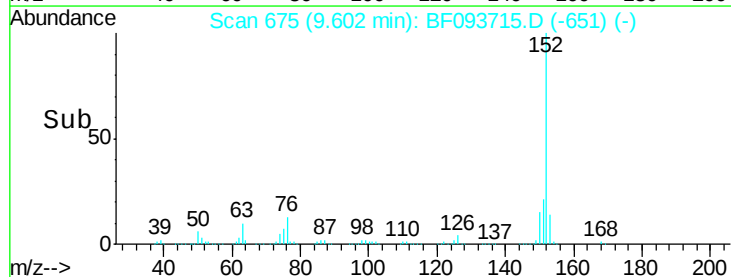
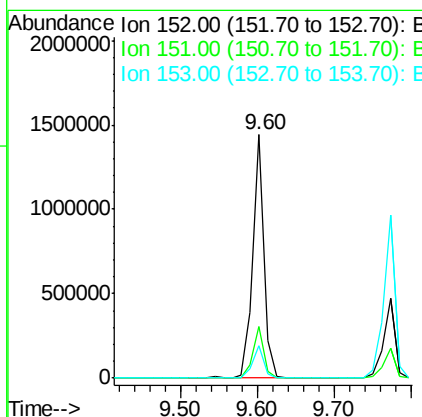
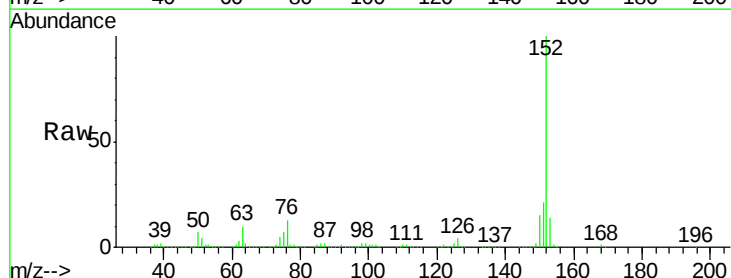
Manual Integrations  
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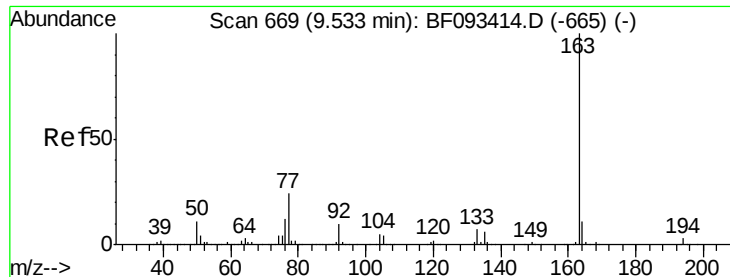
mohammad  
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#48  
 Acenaphthylene  
 Concen: 45.93 ng  
 RT: 9.60 min Scan# 675  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Tgt Ion: 152 Resp: 1442900  
 Ion Ratio Lower Upper  
 152 100  
 151 21.2 16.9 25.3  
 153 13.5 11.4 17.2





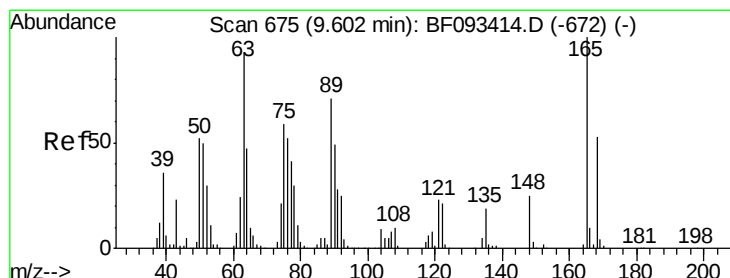
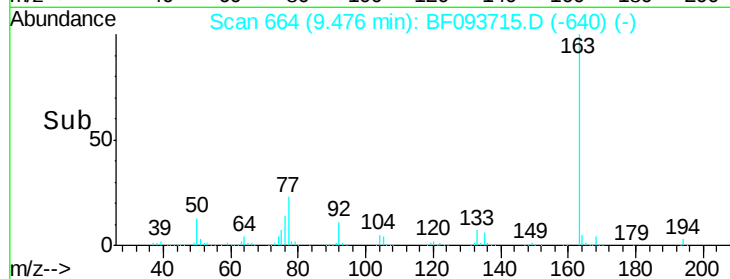
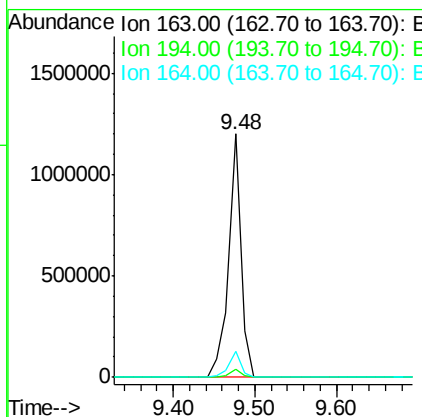
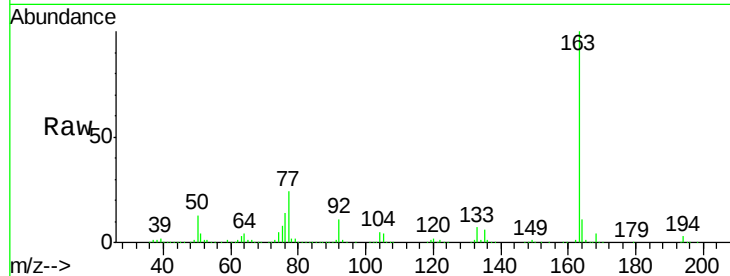
#49  
Dimethylphthalate  
Concen: 55.95 ng  
RT: 9.48 min Scan# 664  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion:163 Resp: 1267041  
Ion Ratio Lower Upper  
163 100  
194 3.3 3.0 4.4  
164 10.6 8.0 12.0

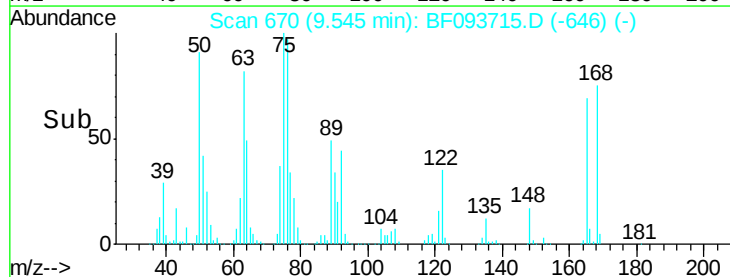
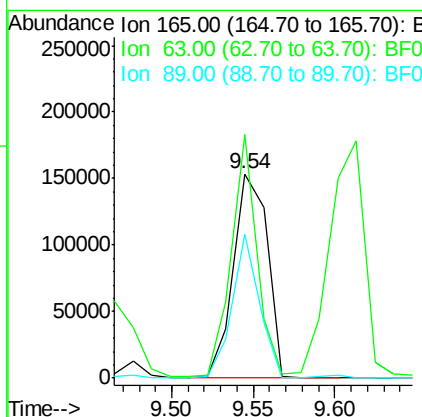
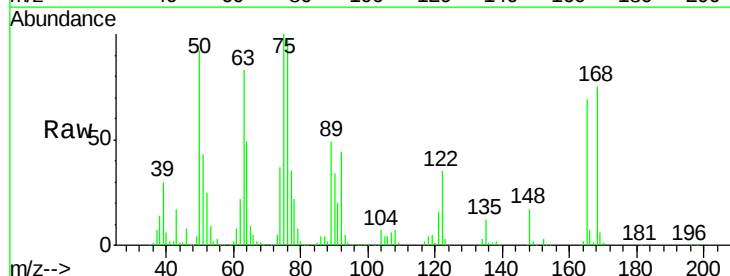
Manual Integrations  
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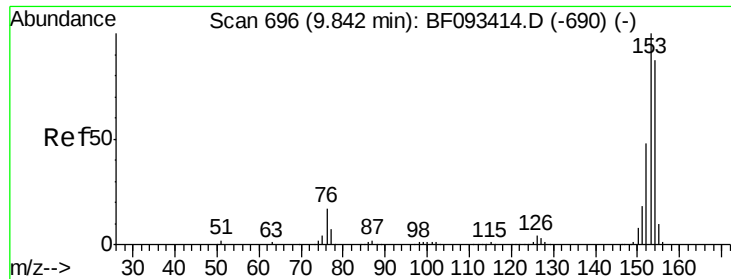
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#50  
2,6-Dinitrotoluene  
Concen: 44.37 ng  
RT: 9.54 min Scan# 670  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:165 Resp: 220474  
Ion Ratio Lower Upper  
165 100  
63 119.1 36.2 54.4#  
89 70.6 40.2 60.4#





#51

Acenaphthene

Concen: 45.94 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

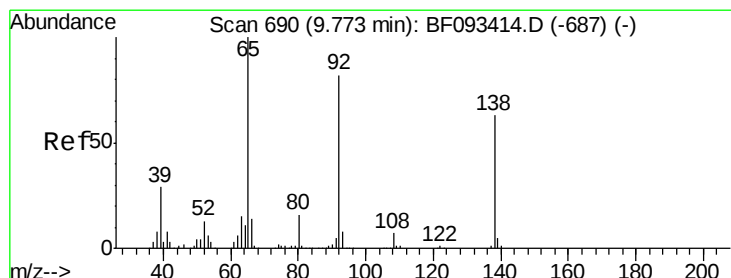
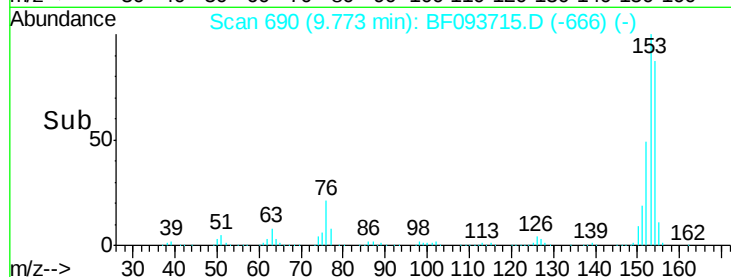
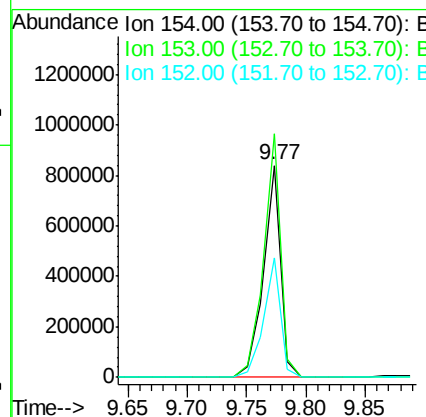
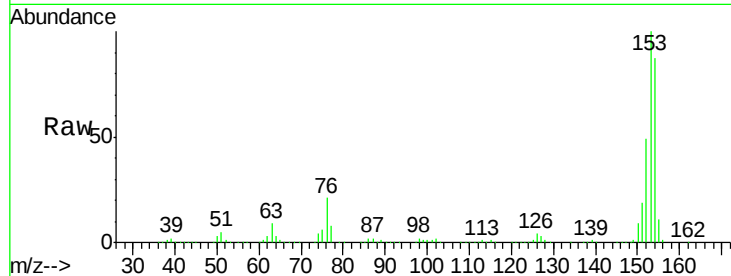
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 853309 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.7 | 88.6  | 133.0  |
| 152       | 56.1  | 41.6  | 62.4   |

Manual Integrations  
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#52

3-Nitroaniline

Concen: 25.04 ng

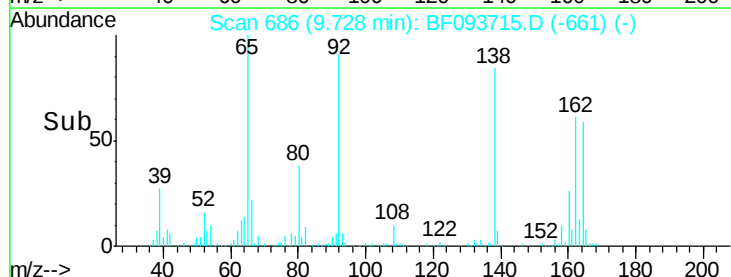
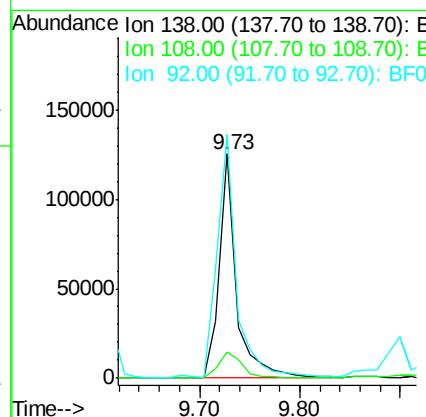
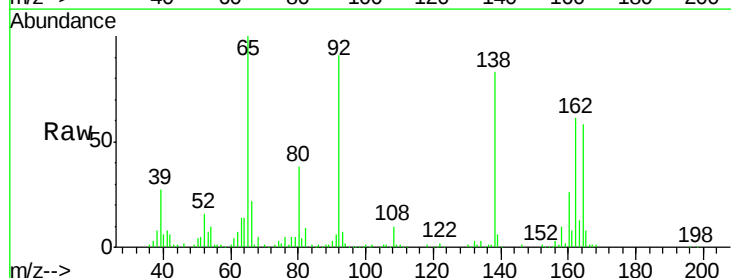
RT: 9.73 min Scan# 686

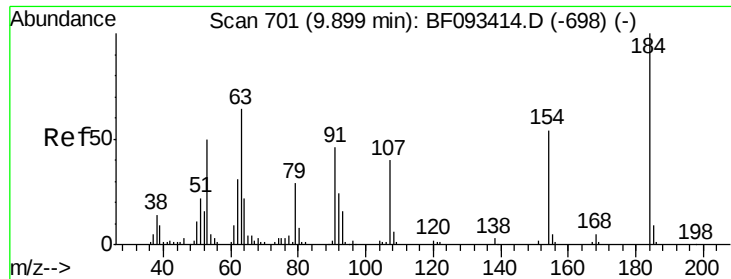
Delta R.T. -0.01 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 149506 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 11.7  | 8.5   | 12.7   |
| 92        | 108.7 | 97.8  | 146.8  |





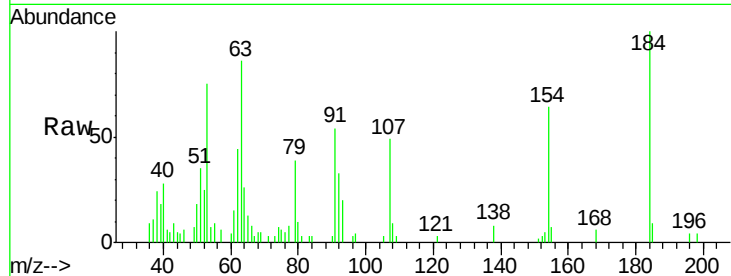
#53  
2,4-Dinitrophenol  
Concen: 12.69 ng  
RT: 9.86 min Scan# 698  
Delta R.T. -0.00 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

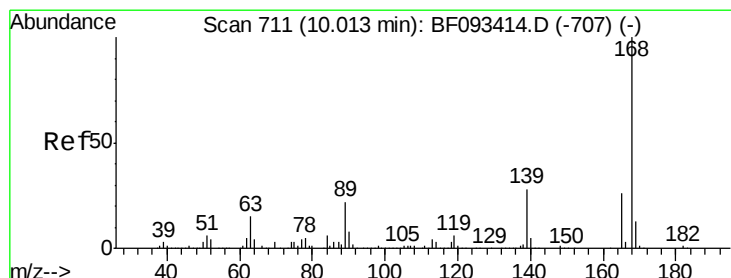
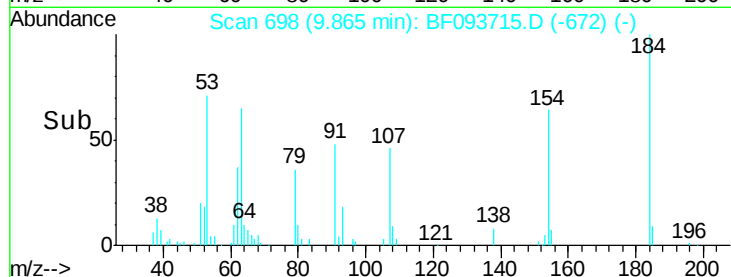
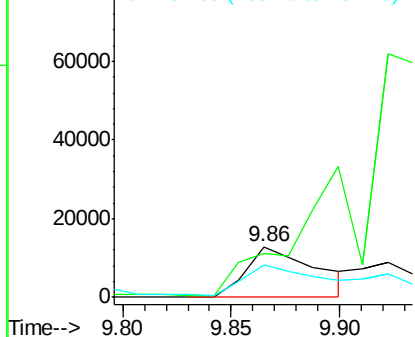
Tgt Ion:184 Resp: 28723  
Ion Ratio Lower Upper  
184 100  
63 86.3 28.4 42.6#  
154 64.2 44.3 66.5

Manual Integrations  
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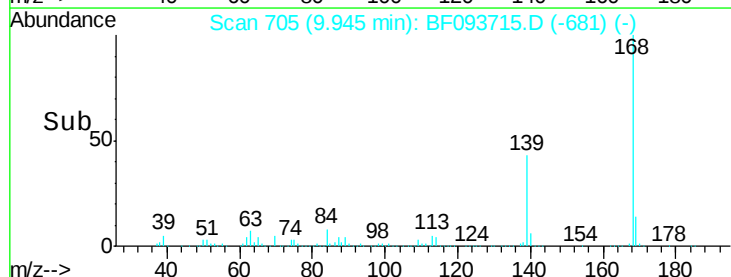
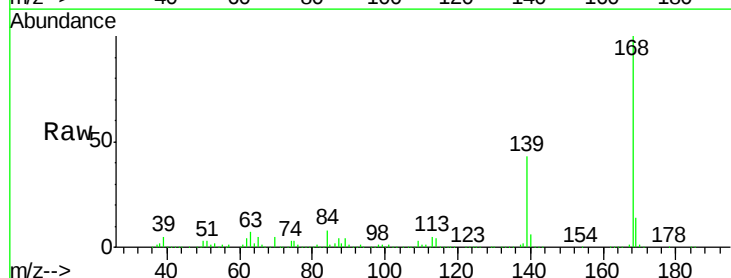
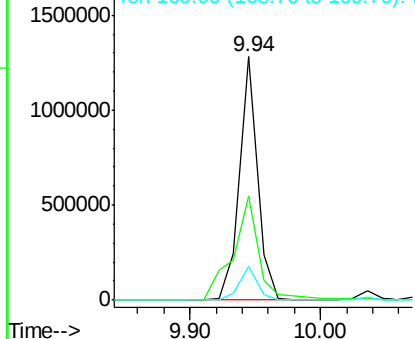
Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

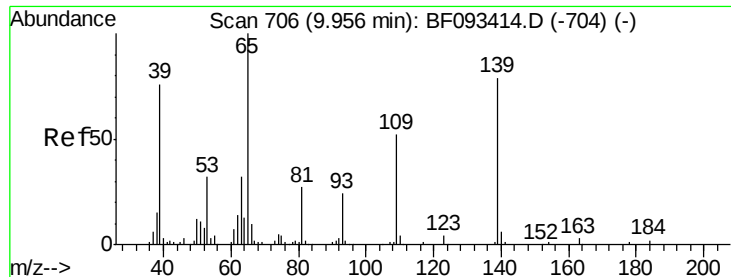


#54  
Dibenzofuran  
Concen: 52.68 ng  
RT: 9.94 min Scan# 705  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:168 Resp: 1224776  
Ion Ratio Lower Upper  
168 100  
139 42.8 32.6 49.0  
169 14.1 11.3 16.9

Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





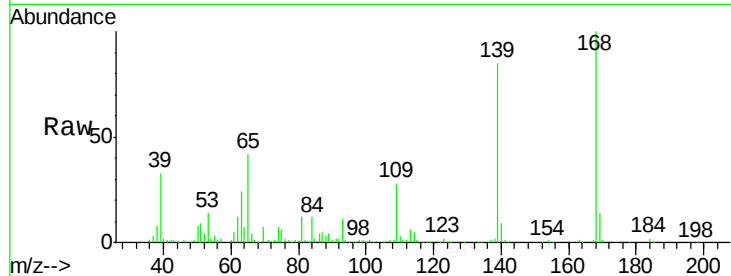
#55  
4-Nitrophenol  
Concen: 87.45 ng m  
RT: 9.93 min Scan# 704  
Delta R.T. -0.00 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

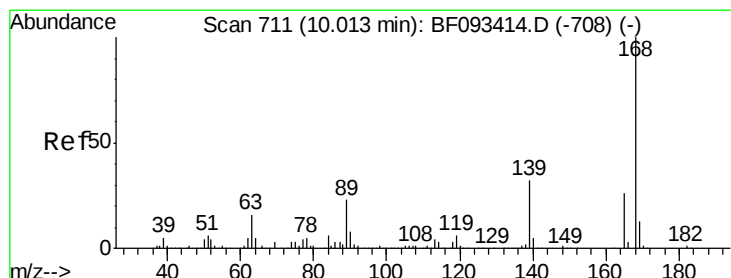
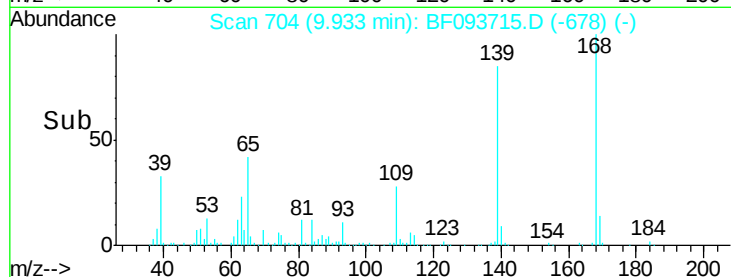
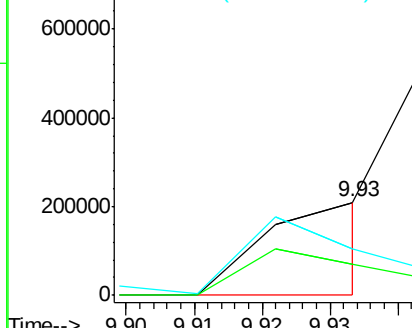
Tgt Ion:139 Resp: 253546  
Ion Ratio Lower Upper  
139 100  
109 33.2 52.2 92.2#  
65 49.5 85.8 125.8#

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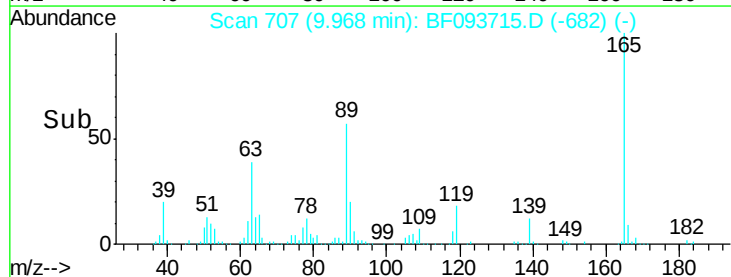
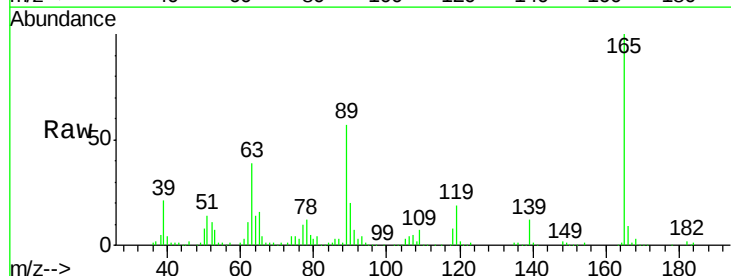
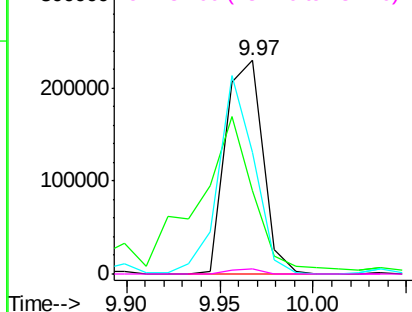
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

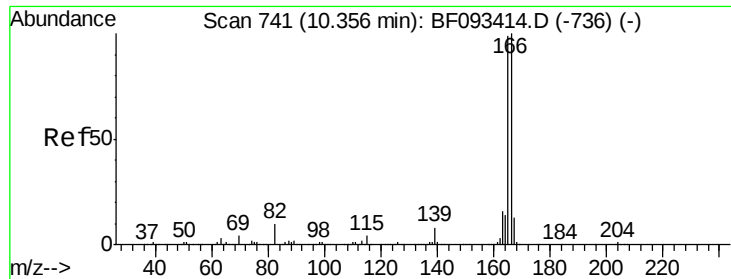


#56  
2,4-Dinitrotoluene  
Concen: 52.73 ng  
RT: 9.97 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:165 Resp: 321877  
Ion Ratio Lower Upper  
165 100  
63 39.1 40.2 60.4#  
89 57.1 62.5 93.7#  
182 2.3 1.8 2.8

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E





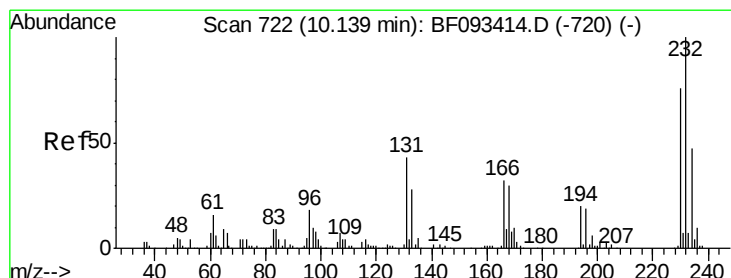
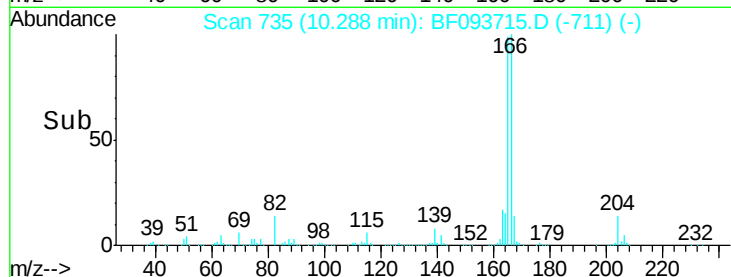
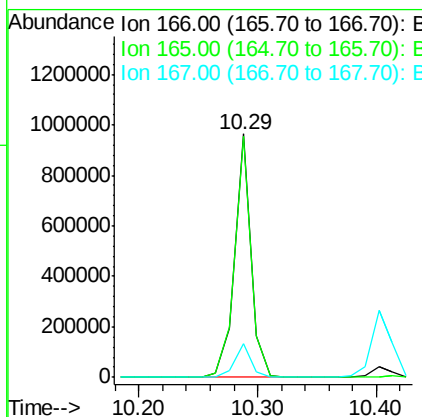
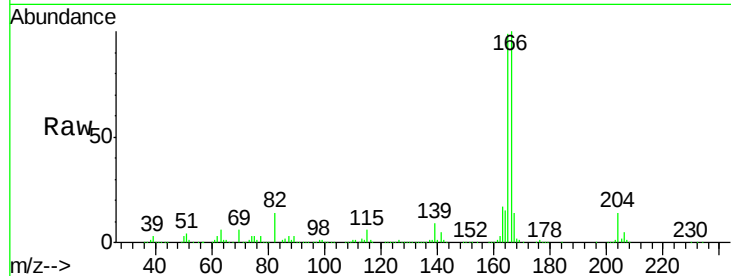
#57  
 Fluorene  
 Concen: 46.93 ng  
 RT: 10.29 min Scan# 735  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 924538 |       |       |
| 165     | 98.9  | 77.8   | 116.8 |       |
| 167     | 13.7  | 10.8   | 16.2  |       |

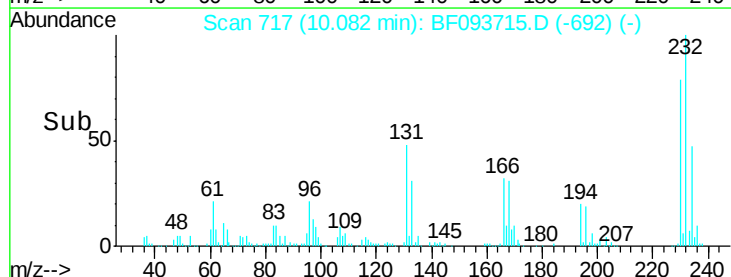
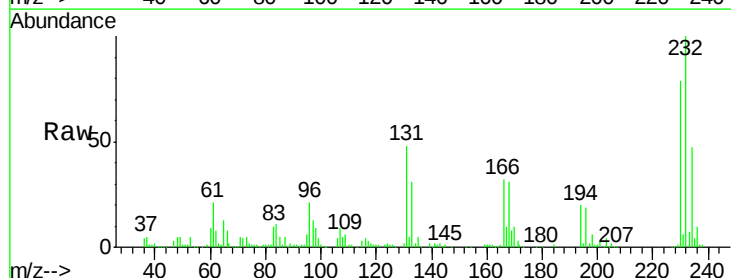
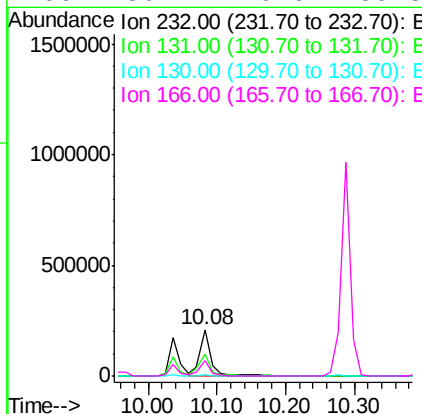
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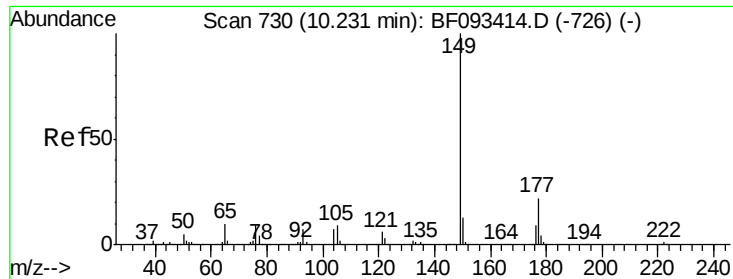
mohammad  
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 53.25 ng  
 RT: 10.08 min Scan# 717  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 234967 |       |       |
| 131     | 49.5  | 40.1   | 60.1  |       |
| 130     | 2.6   | 1.8    | 2.8   |       |
| 166     | 30.1  | 26.6   | 39.8  |       |





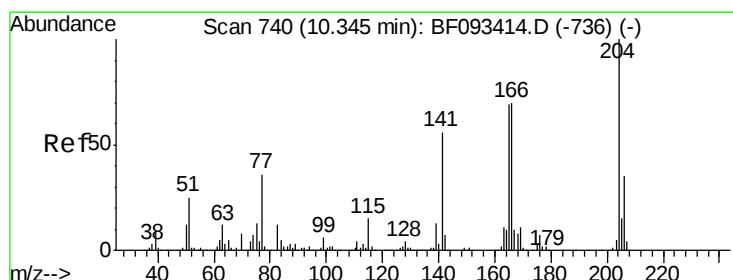
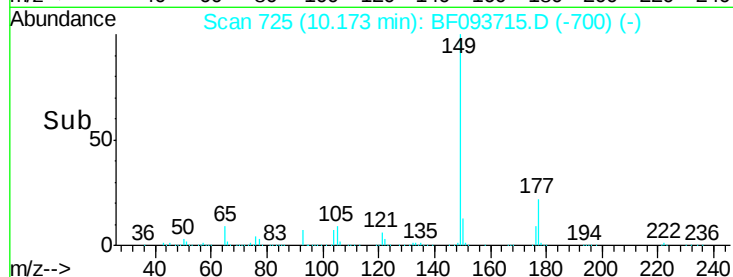
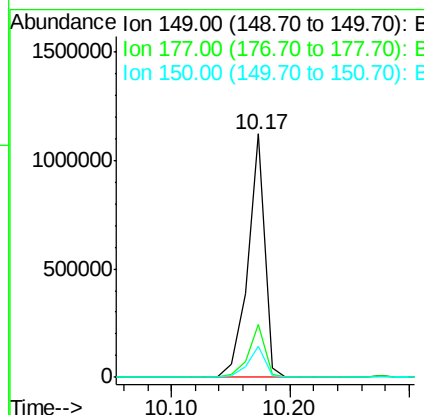
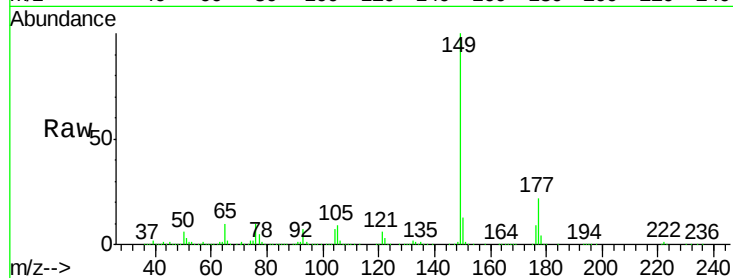
#59  
Diethylphthalate  
Concen: 51.31 ng  
RT: 10.17 min Scan# 725  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion:149 Resp: 1110463  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.6 25.0  
150 12.6 10.4 15.6

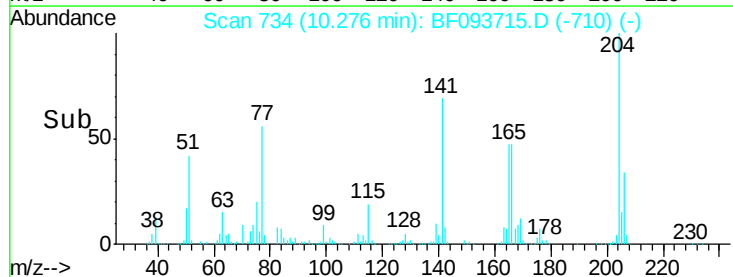
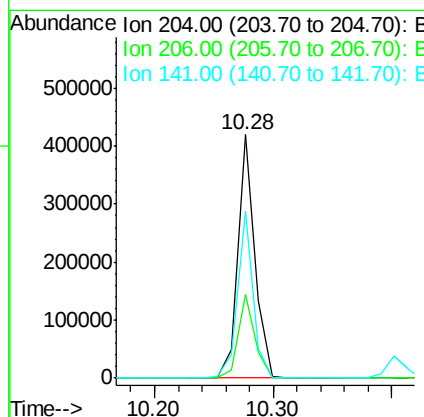
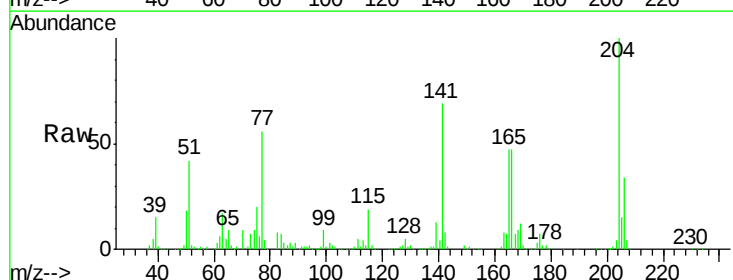
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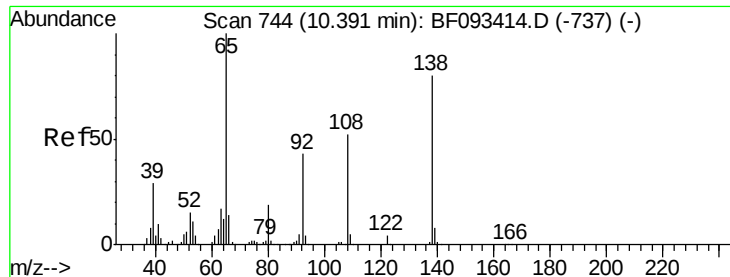
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#60  
4-Chlorophenyl-phenylether  
Concen: 47.17 ng  
RT: 10.28 min Scan# 734  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:204 Resp: 416498  
Ion Ratio Lower Upper  
204 100  
206 34.4 25.8 38.6  
141 68.6 59.4 89.0





#61

4-Nitroaniline

Concen: 43.15 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

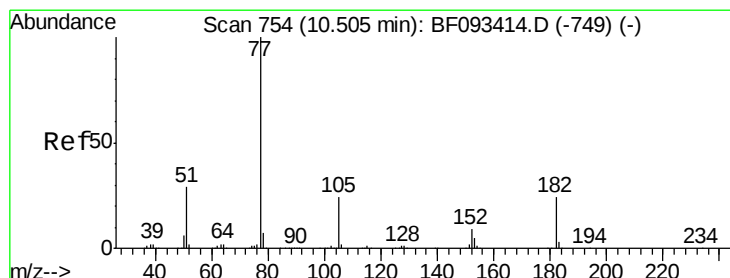
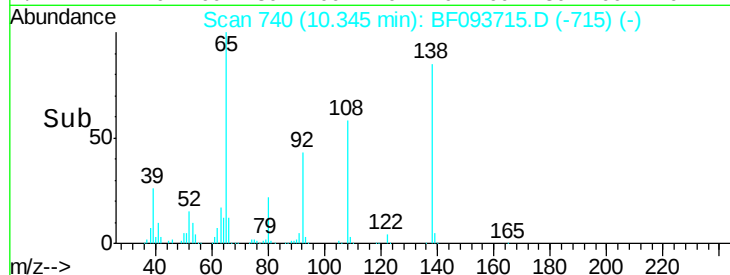
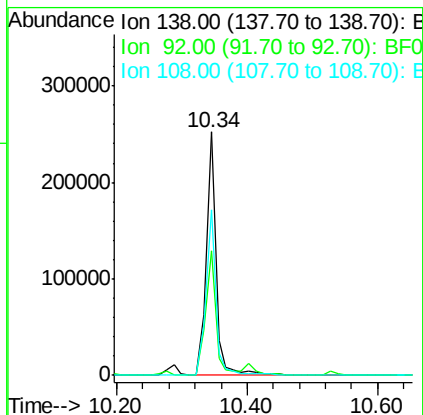
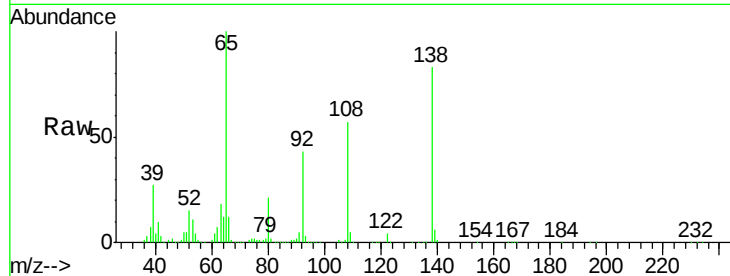
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 263421 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 51.2  | 31.7  | 71.7   |
| 108       | 68.0  | 52.6  | 92.6   |

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#62

Azobenzene

Concen: 52.61 ng

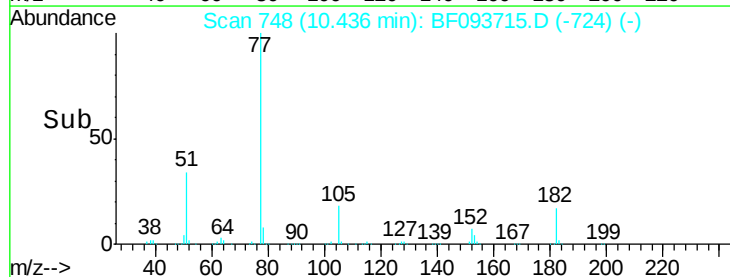
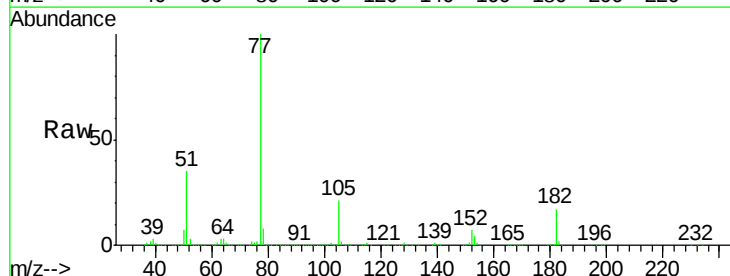
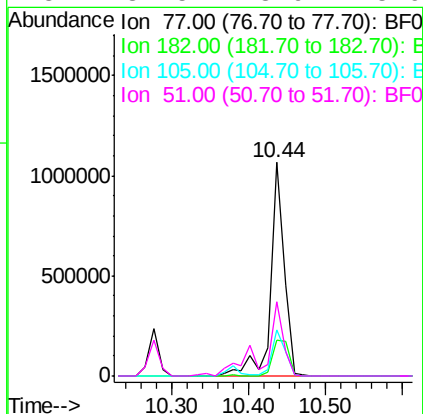
RT: 10.44 min Scan# 748

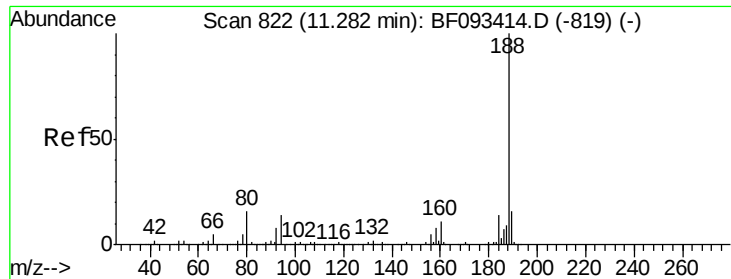
Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 77    | Resp: | 1293842 |
| Ion Ratio | Lower | Upper |         |
| 77        | 100   |       |         |
| 182       | 16.9  | 0.0   | 39.3    |
| 105       | 21.4  | 2.3   | 42.3    |
| 51        | 34.5  | 8.9   | 48.9    |





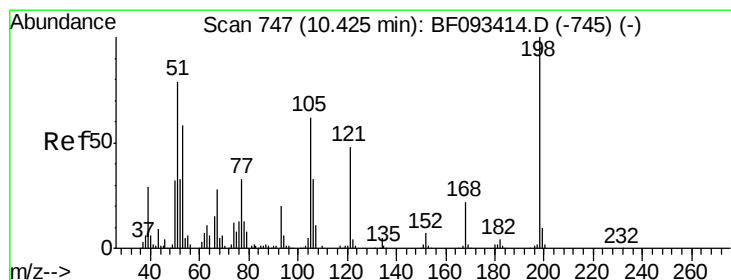
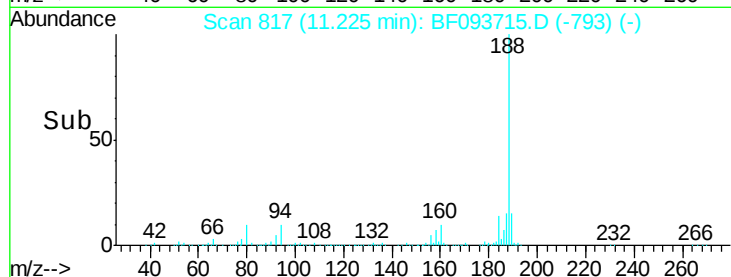
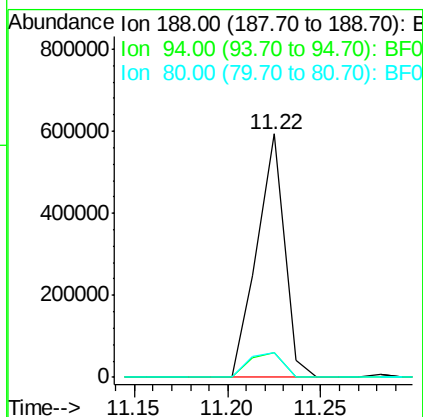
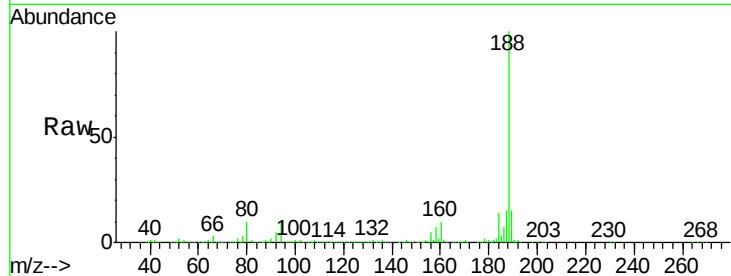
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 817  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 9.9   | 10.0       | 15.0#      |
| 80      | 10.1  | 11.2       | 16.8#      |

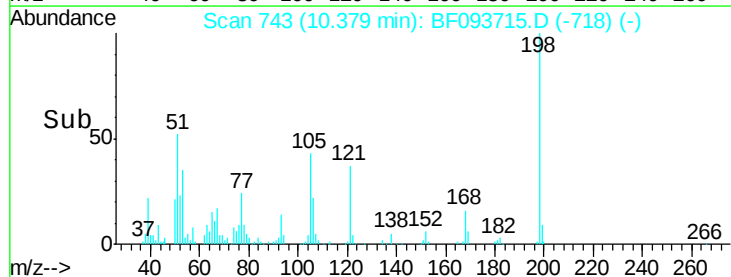
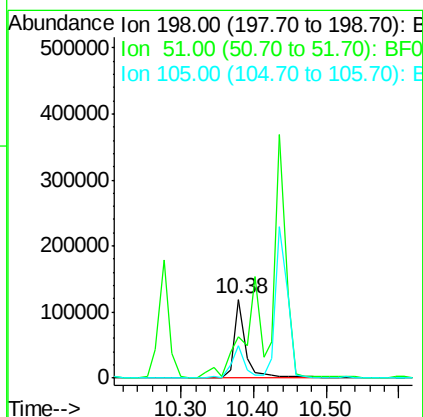
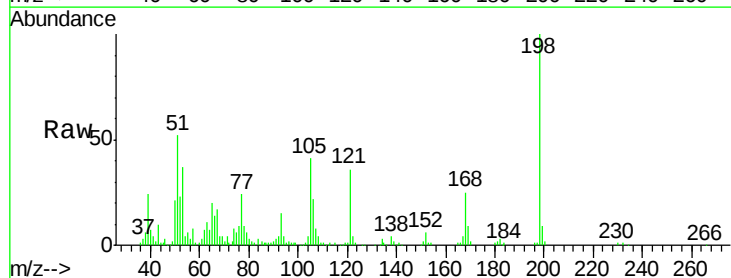
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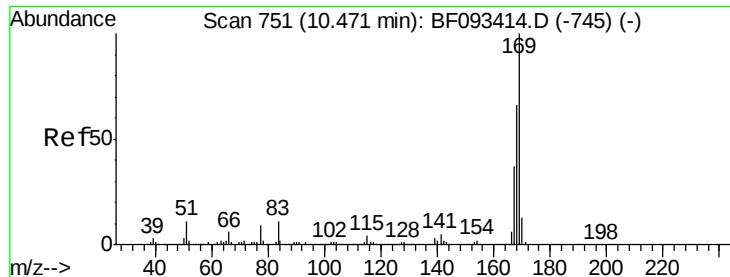
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 34.63 ng  
RT: 10.38 min Scan# 743  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 198     | 100   |            |            |
| 51      | 52.2  | 6.7        | 46.7#      |
| 105     | 41.4  | 16.6       | 56.6       |





#65

n-Nitrosodiphenylamine

Concen: 40.21 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

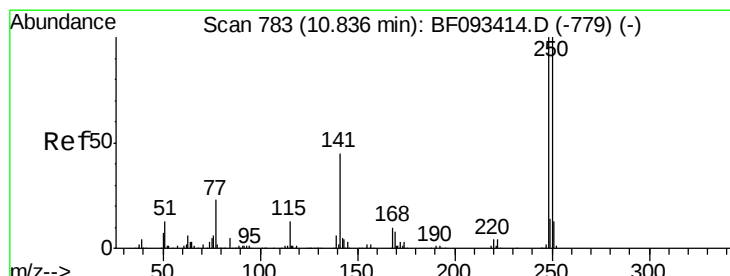
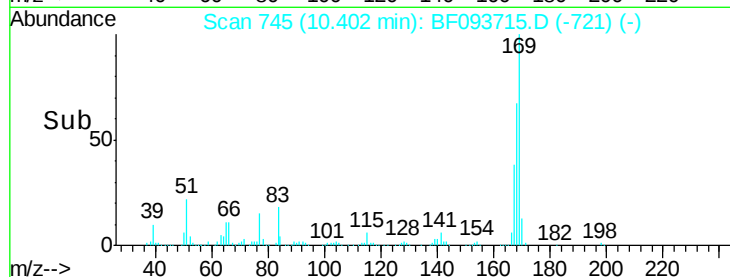
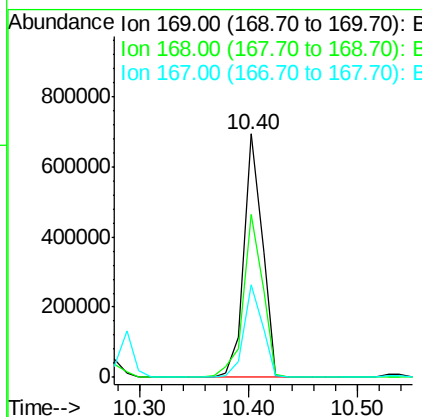
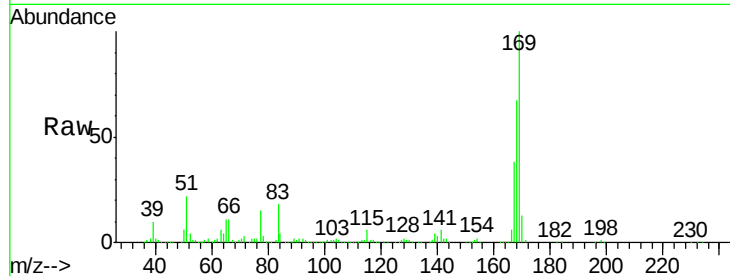
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 815189 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.1  | 54.2  | 81.2   |
| 167       | 38.0  | 30.2  | 45.4   |

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#66

4-Bromophenyl-phenylether

Concen: 41.59 ng

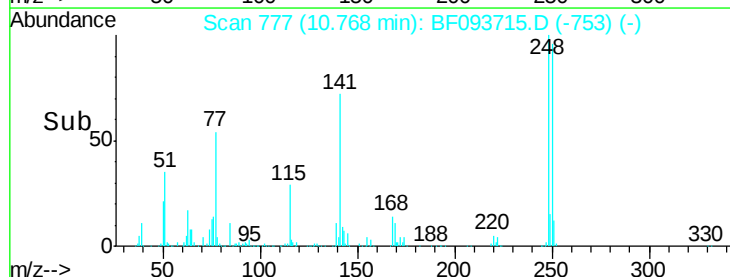
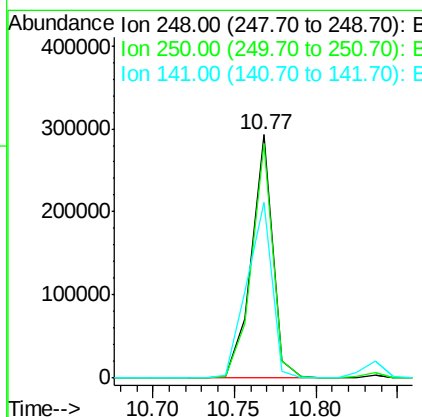
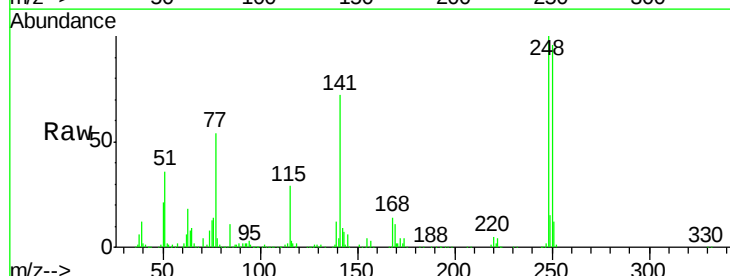
RT: 10.77 min Scan# 777

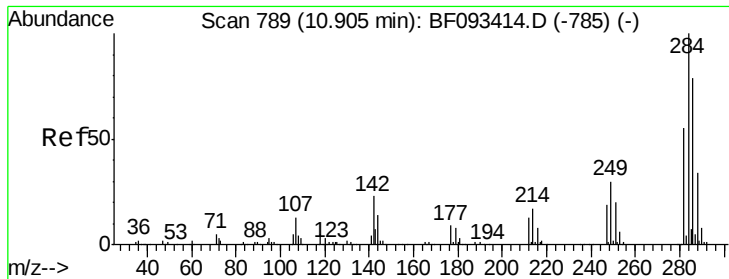
Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 267013 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.2  | 76.9  | 115.3  |
| 141       | 72.3  | 68.2  | 102.4  |





#67

Hexachlorobenzene

Concen: 40.13 ng

RT: 10.84 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

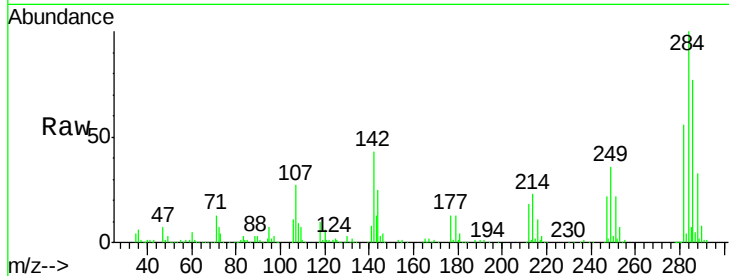
ClientSampleId :

TRAP-ROCK-FINESMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 246033 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 42.8  | 22.6  | 33.8#  |
| 249       | 35.6  | 25.4  | 38.0   |

Manual Integrations  
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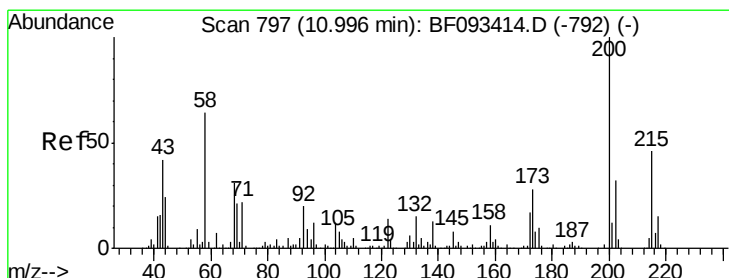
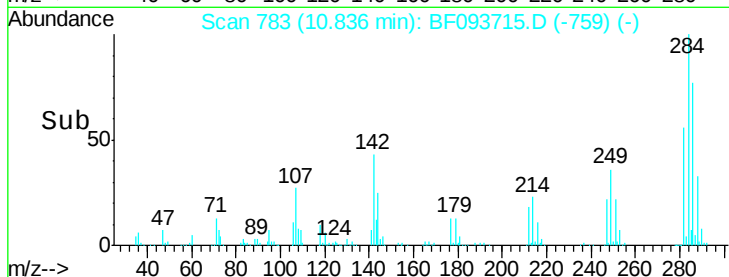
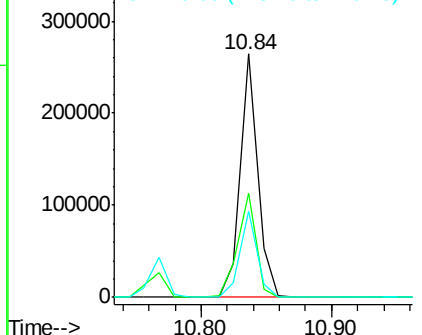
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 42.77 ng

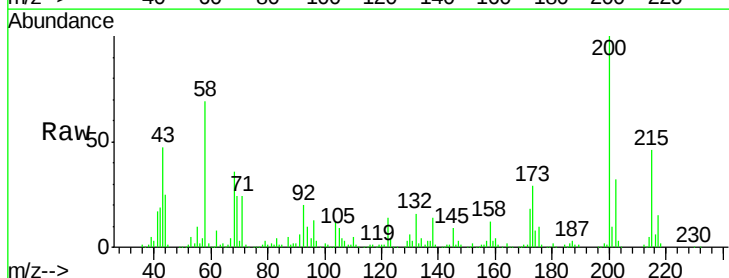
RT: 10.94 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

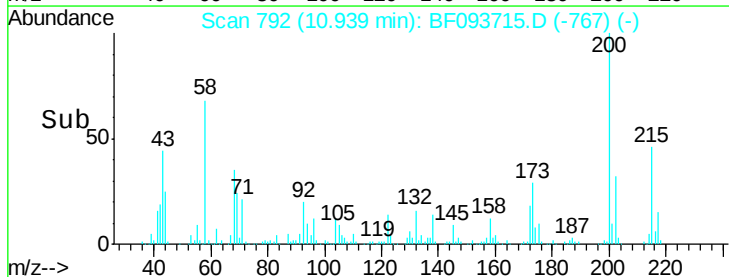
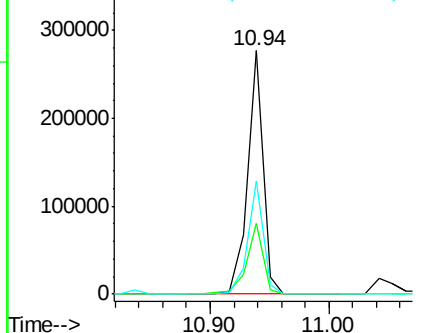
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 253797 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.8  | 9.6   | 49.6   |
| 215       | 46.5  | 25.7  | 65.7   |

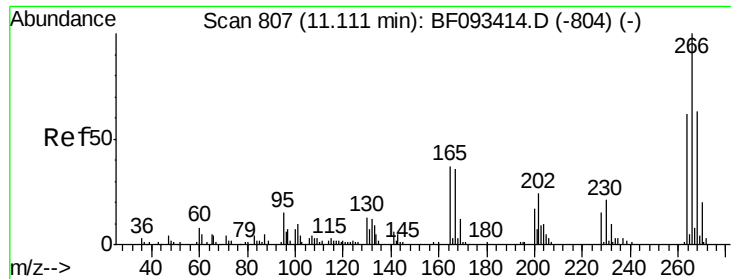


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





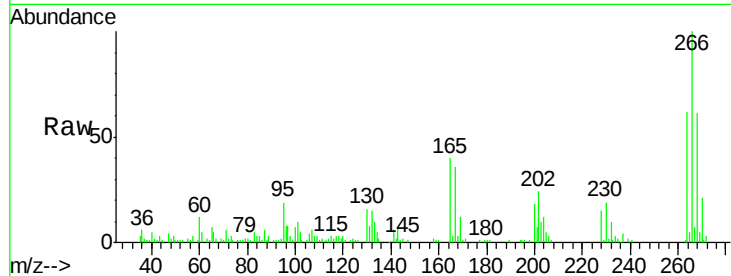
#69  
 Pentachlorophenol  
 Concen: 64.30 ng  
 RT: 11.05 min Scan# 802  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

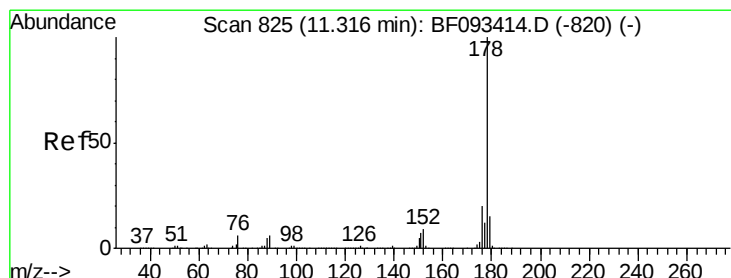
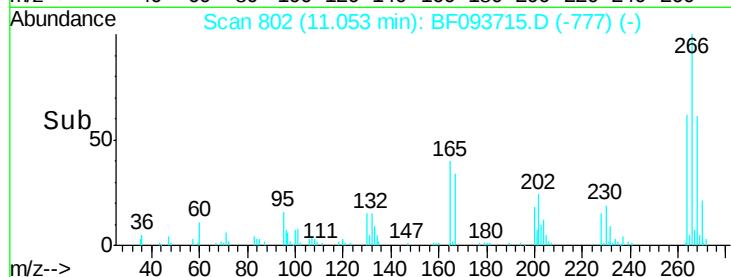
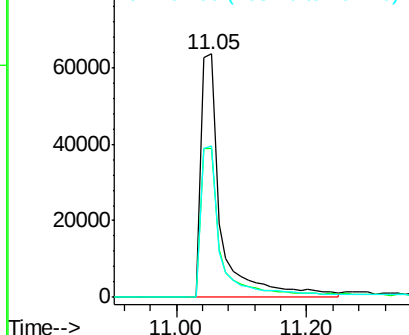
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 136103 |       |       |
| 268     | 61.0  | 53.3   | 79.9  |       |
| 264     | 62.0  | 50.3   | 75.5  |       |

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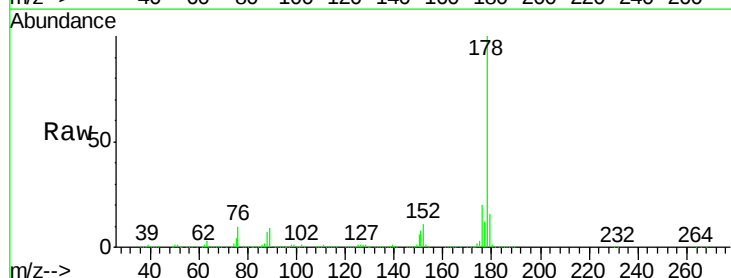


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

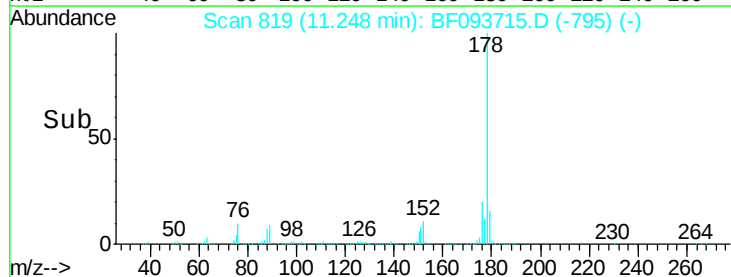
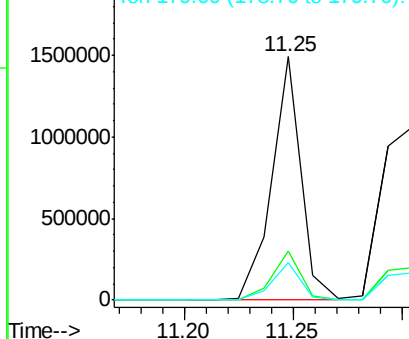


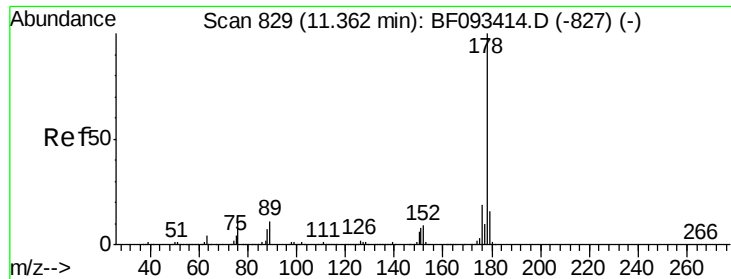
#70  
 Phenanthrene  
 Concen: 40.51 ng  
 RT: 11.25 min Scan# 819  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1403894 |       |       |
| 176     | 20.4  | 16.6    | 25.0  |       |
| 179     | 15.7  | 12.8    | 19.2  |       |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





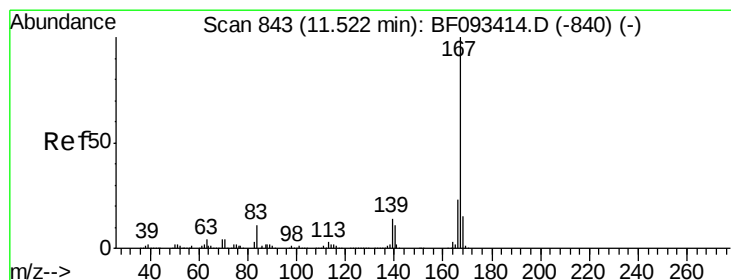
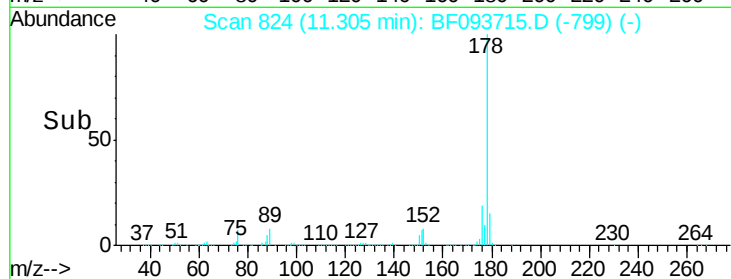
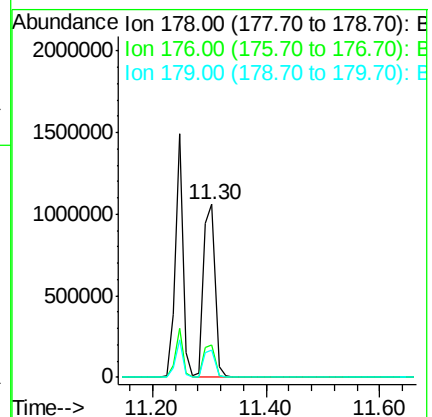
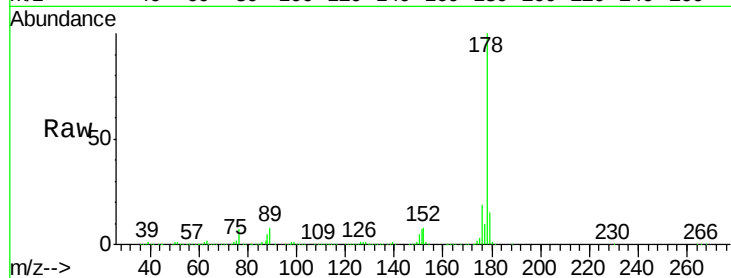
#71  
 Anthracene  
 Concen: 41.74 ng  
 RT: 11.30 min Scan# 824  
 Delta R.T. -0.01 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

Tgt Ion:178 Resp: 1463145  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.9 23.9  
 179 15.5 13.2 19.8

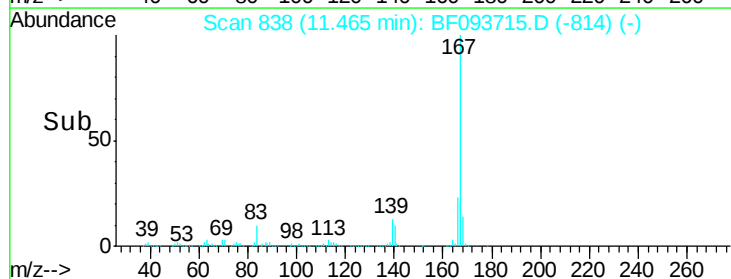
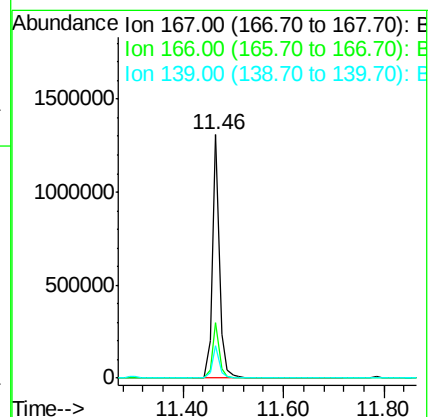
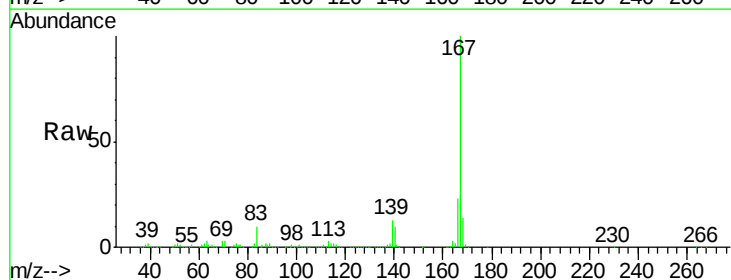
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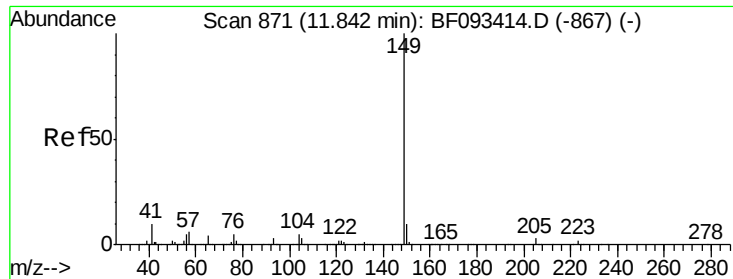
mohammad  
 3/17/2017 2:29:49 PM



#72  
 Carbazole  
 Concen: 38.28 ng  
 RT: 11.46 min Scan# 838  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Tgt Ion:167 Resp: 1260606  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 18.2 27.2  
 139 13.5 11.4 17.2





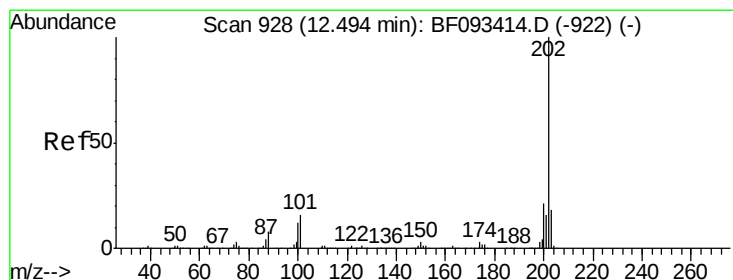
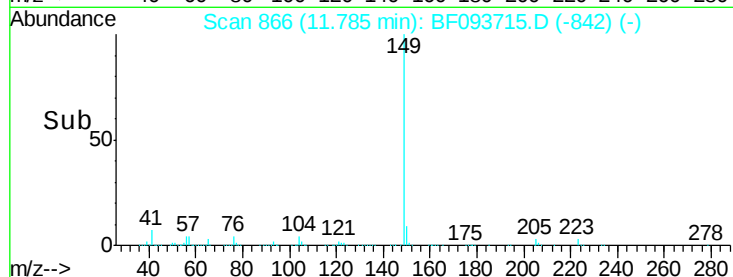
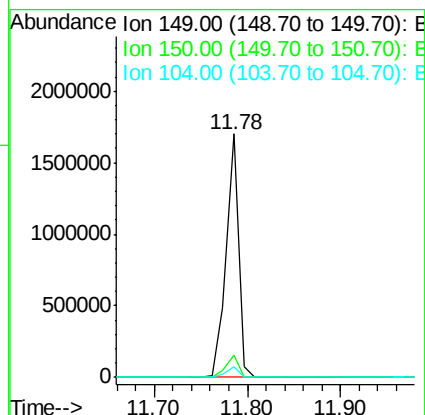
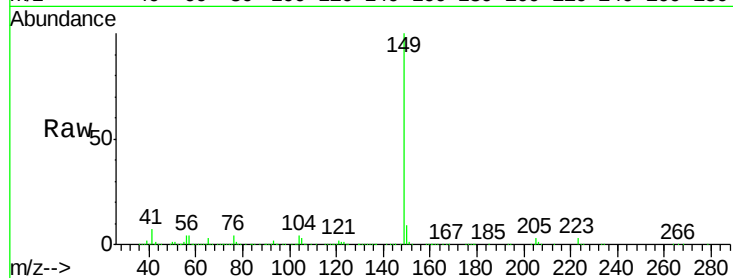
#73  
Di-n-butylphthalate  
Concen: 41.13 ng  
RT: 11.78 min Scan# 866  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion:149 Resp: 1567028  
Ion Ratio Lower Upper  
149 100  
150 9.3 8.1 12.1  
104 4.3 4.6 7.0#

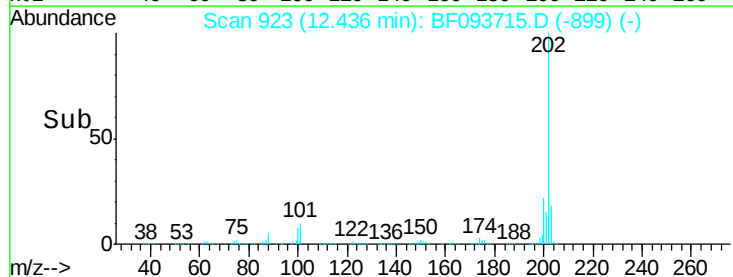
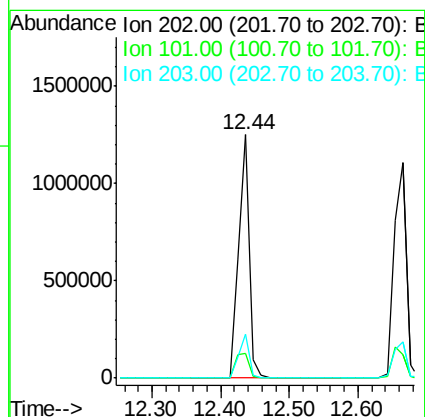
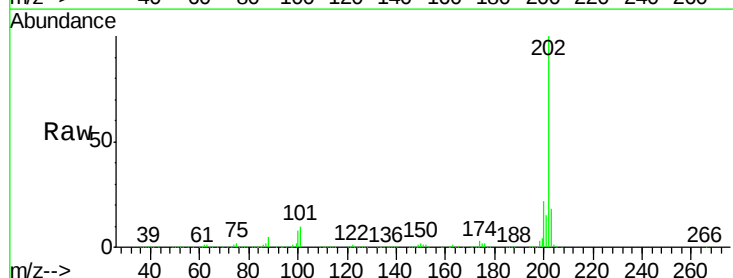
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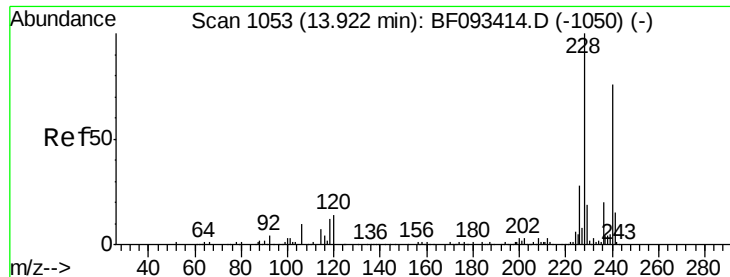
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#74  
Fluoranthene  
Concen: 40.85 ng  
RT: 12.44 min Scan# 923  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:202 Resp: 1367344  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 34.6  
203 17.9 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

Instrument :

BNA\_F

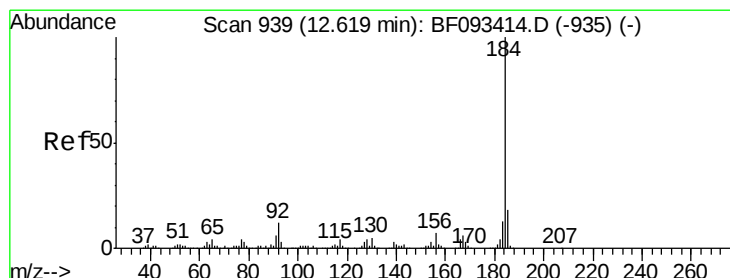
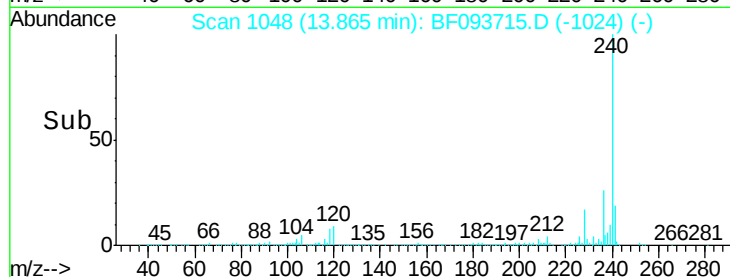
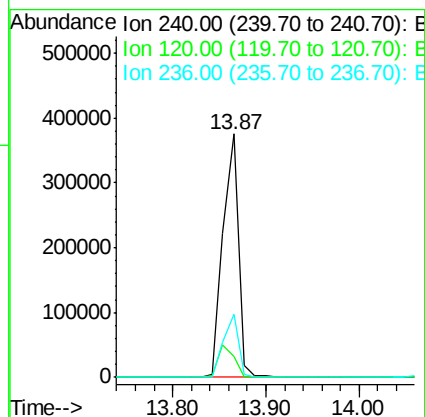
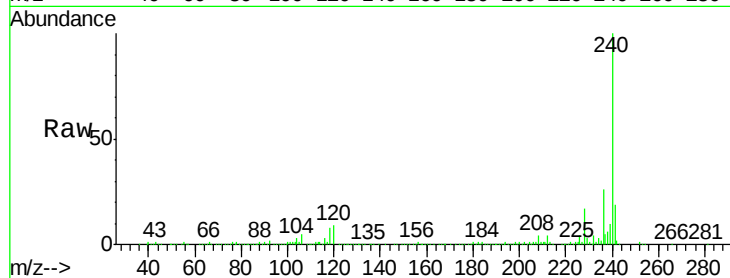
ClientSampleId :

TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 429960 |       |       |
| 120     | 8.7   | 12.9   | 19.3  |       |
| 236     | 25.8  | 20.9   | 31.3  |       |

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#76

Benzidine

Concen: 32.60 ng

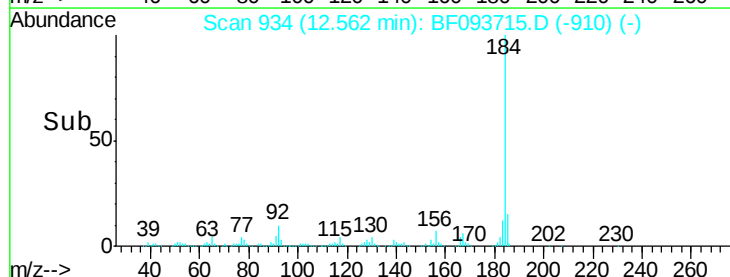
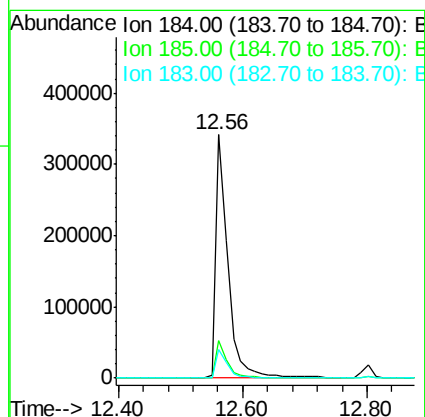
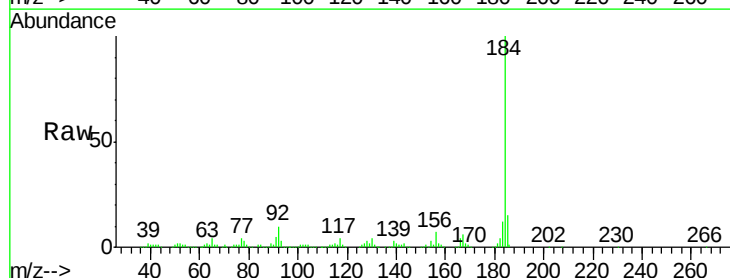
RT: 12.56 min Scan# 934

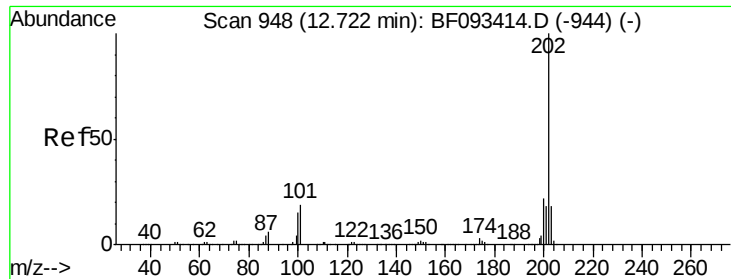
Delta R.T. -0.02 min

Lab File: BF093715.D

Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 460914 |       |       |
| 185     | 15.2  | 13.4   | 20.0  |       |
| 183     | 11.9  | 9.2    | 13.8  |       |





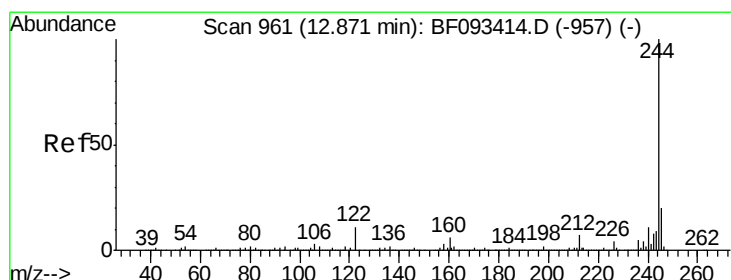
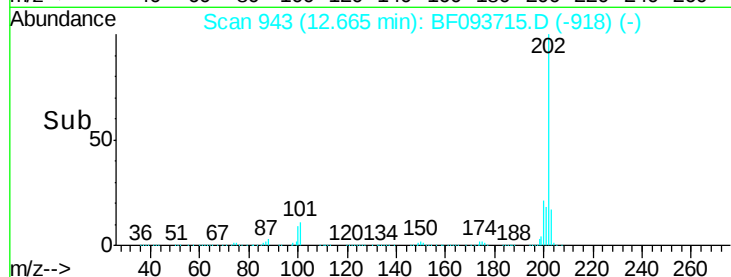
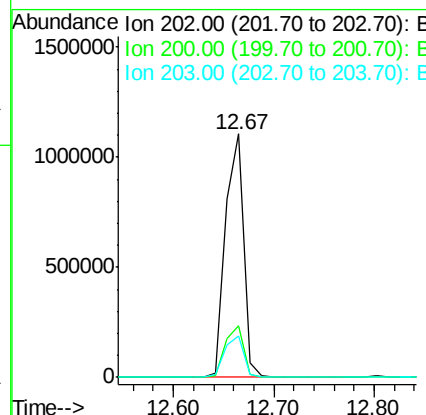
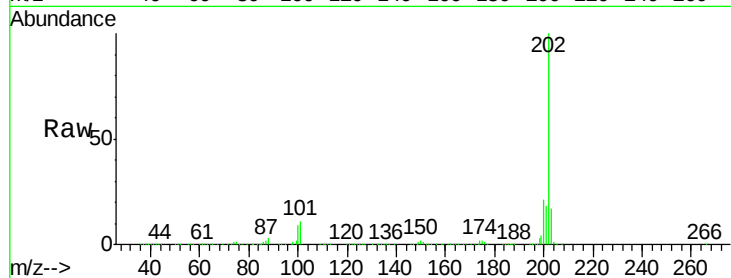
#77  
Pyrene  
Concen: 44.25 ng  
RT: 12.67 min Scan# 943  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 17.7  | 26.5  |
| 203     | 17.0  | 14.7  | 22.1  |

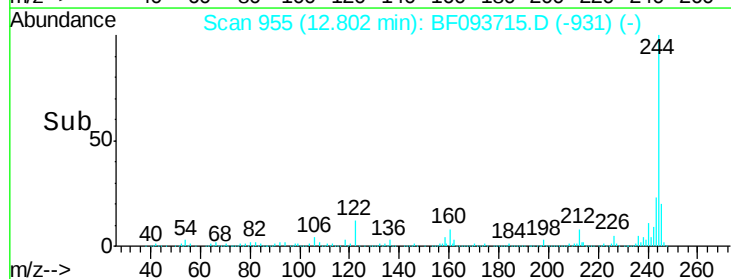
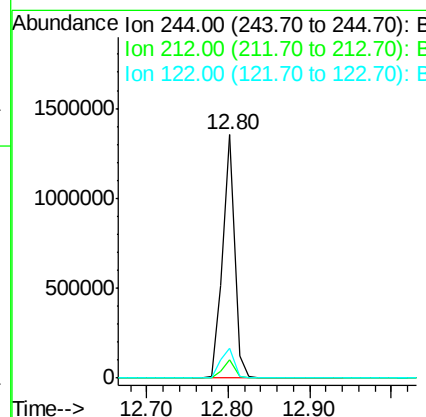
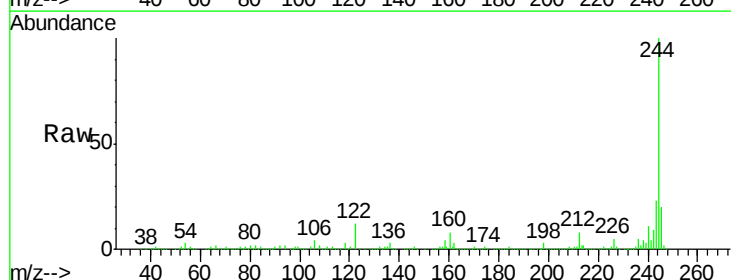
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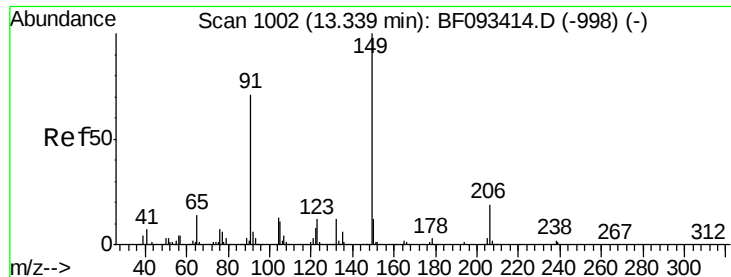
mohammad  
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#78  
Terphenyl-d14  
Concen: 83.85 ng  
RT: 12.80 min Scan# 955  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.8   | 6.2   | 9.2   |
| 122     | 12.1  | 11.4  | 17.2  |





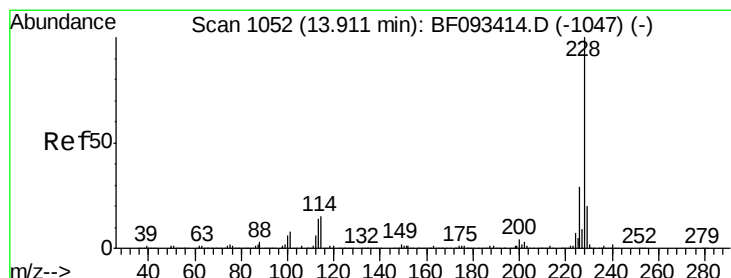
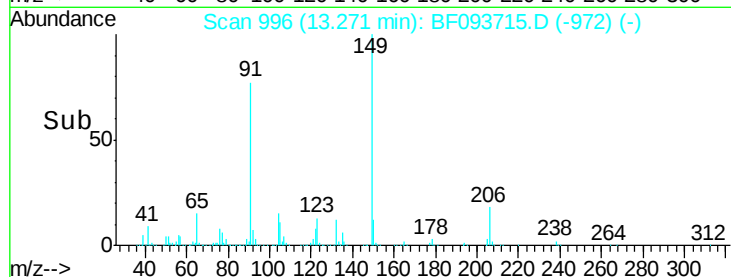
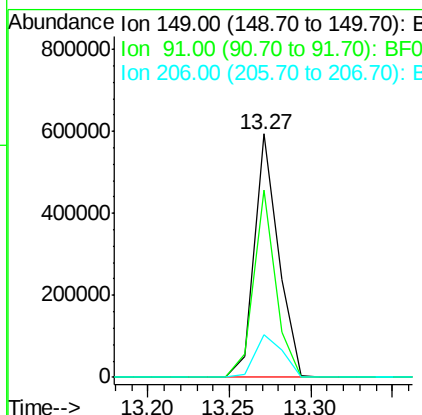
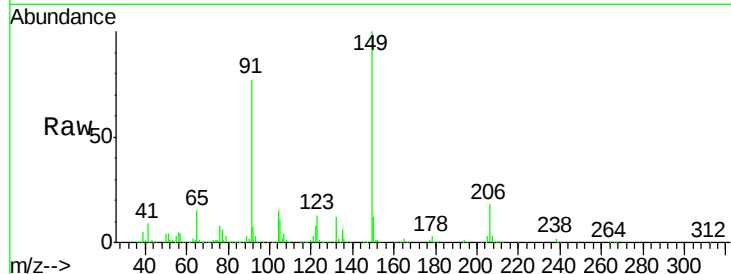
#79  
Butylbenzylphthalate  
Concen: 46.31 ng  
RT: 13.27 min Scan# 996  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 609599 |       |       |
| 91      | 77.1  | 63.9   | 95.9  |       |
| 206     | 17.6  | 14.6   | 21.8  |       |

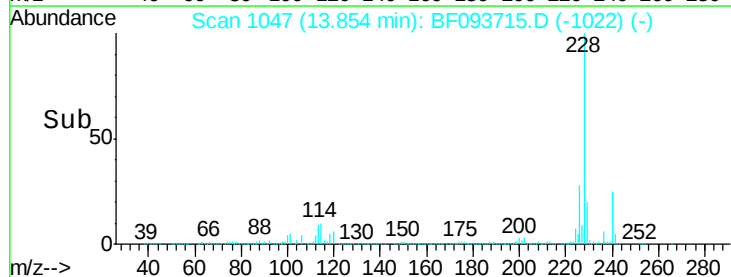
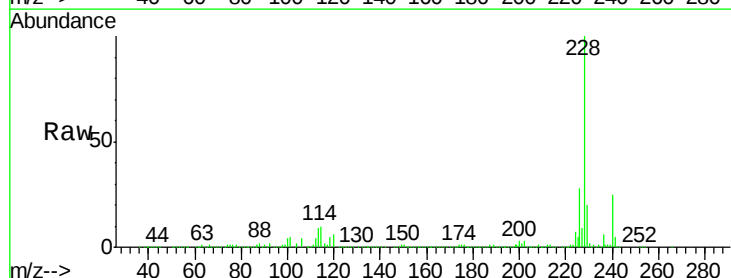
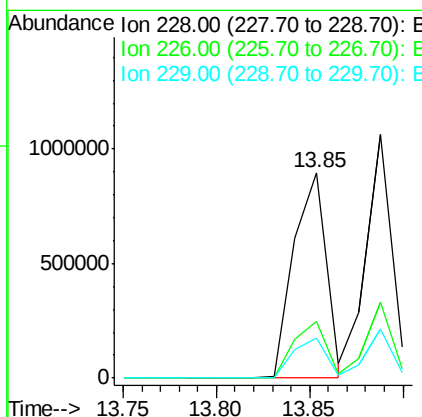
Manual Integrations  
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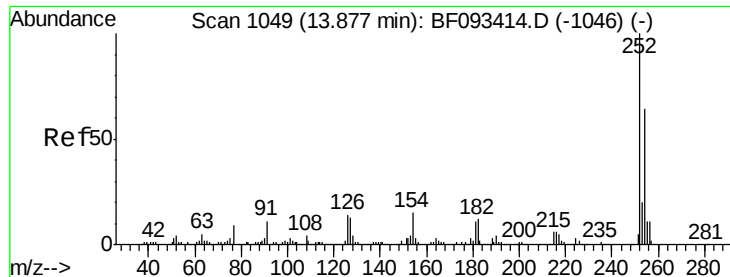
mohammad  
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#80  
Benzo(a)anthracene  
Concen: 42.56 ng  
RT: 13.85 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1080768 |       |       |
| 226     | 27.9  | 22.4    | 33.6  |       |
| 229     | 19.6  | 16.2    | 24.4  |       |





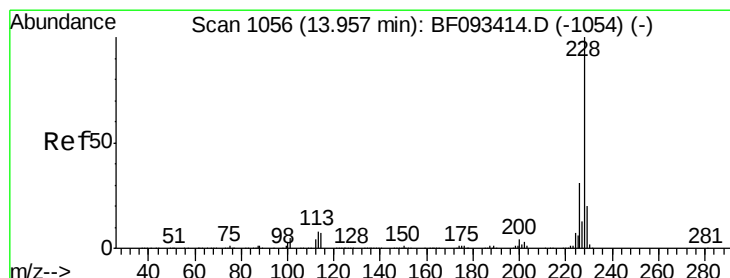
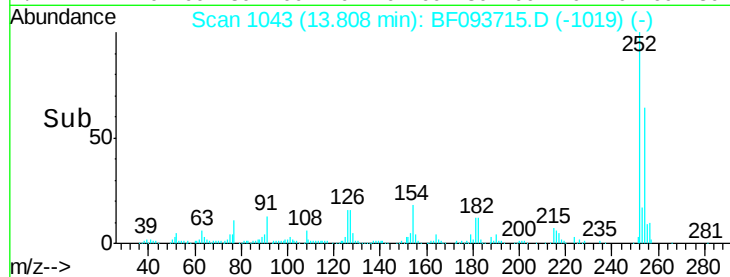
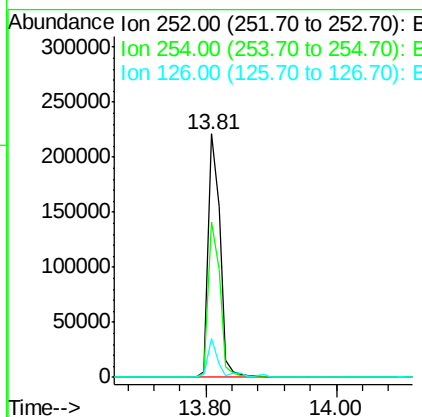
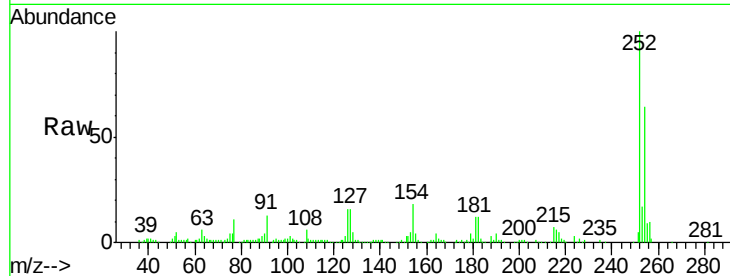
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.85 ng  
 RT: 13.81 min Scan# 1043  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.6  | 52.3  | 78.5  |
| 126     | 16.1  | 13.6  | 20.4  |

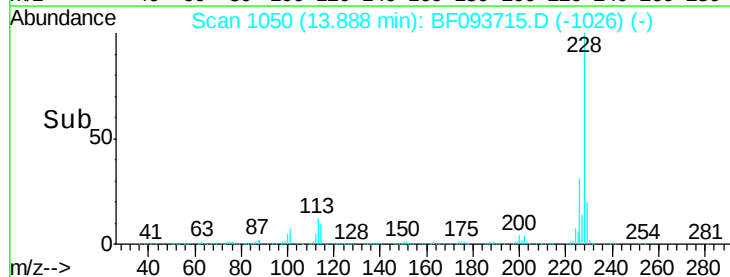
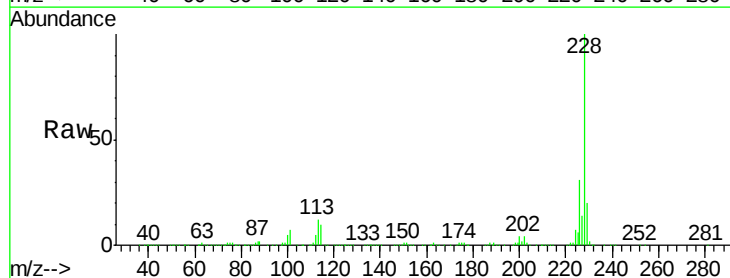
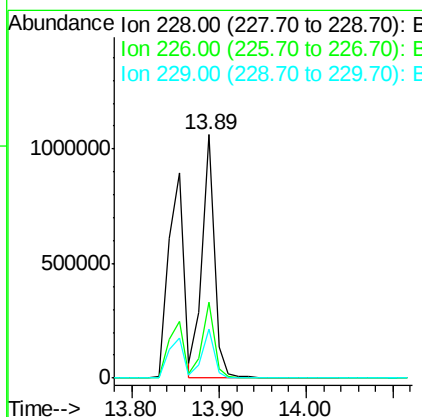
Manual Integrations  
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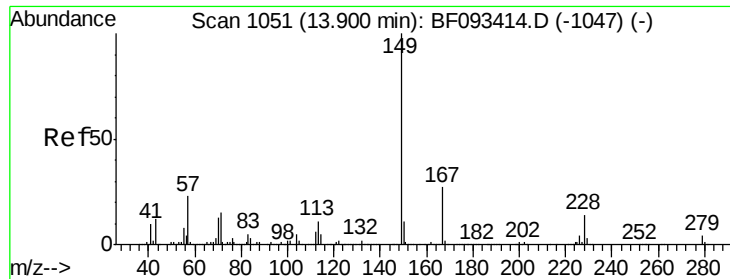
mohammad  
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#82  
 Chrysene  
 Concen: 44.45 ng  
 RT: 13.89 min Scan# 1050  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 25.4  | 38.0  |
| 229     | 20.0  | 16.2  | 24.2  |





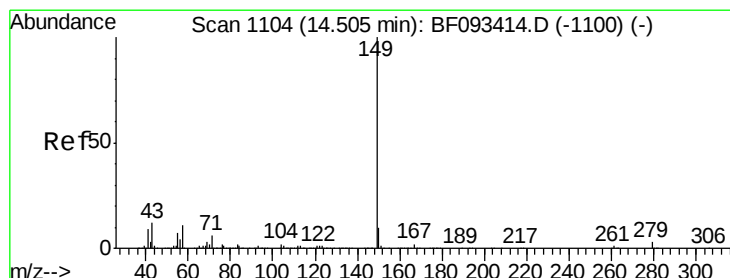
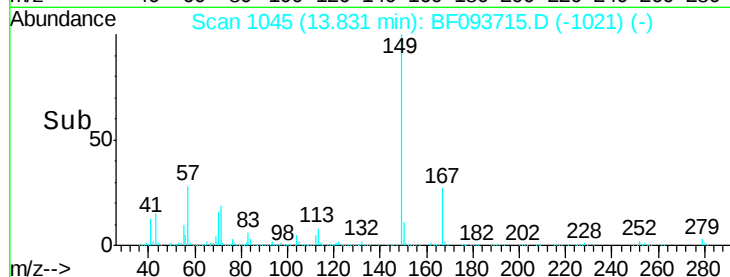
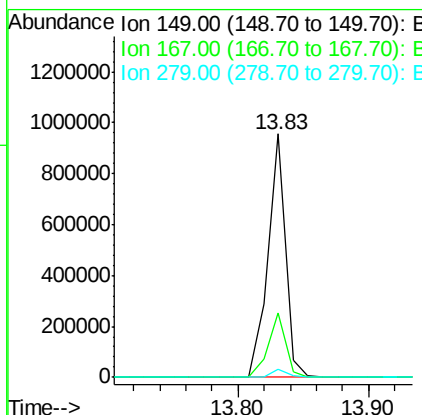
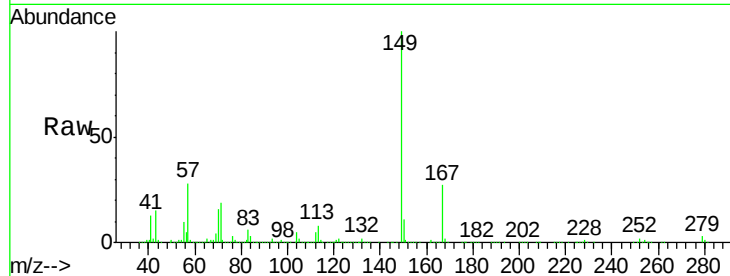
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.54 ng  
 RT: 13.83 min Scan# 1045  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.6  | 20.2  | 30.4  |
| 279     | 3.2   | 1.8   | 2.8   |

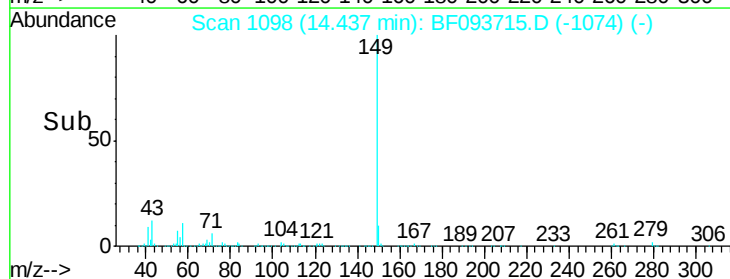
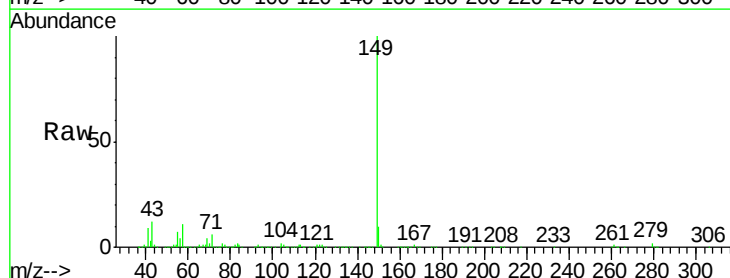
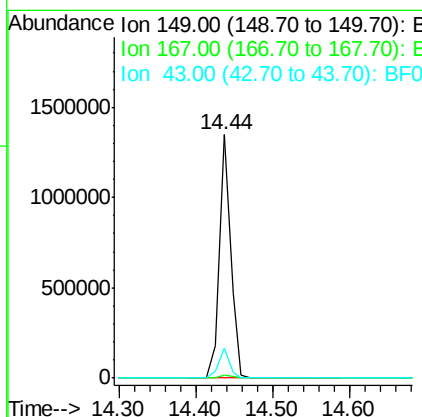
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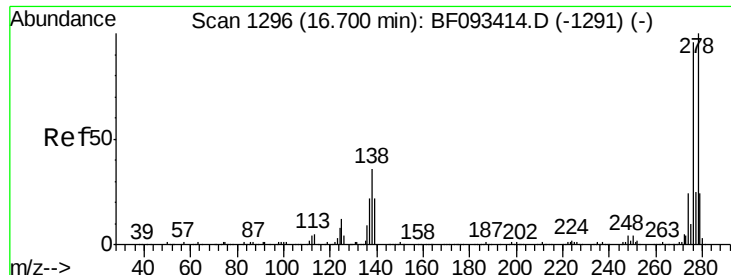
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#84  
 Di-n-octyl phthalate  
 Concen: 45.34 ng  
 RT: 14.44 min Scan# 1098  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.3   | 1.9   |
| 43      | 11.7  | 8.9   | 13.3  |





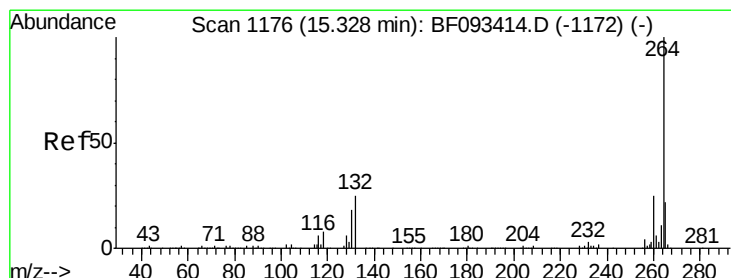
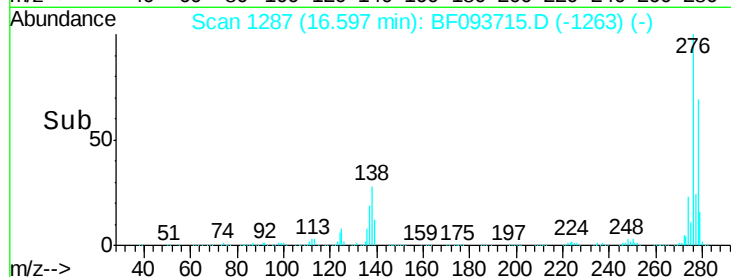
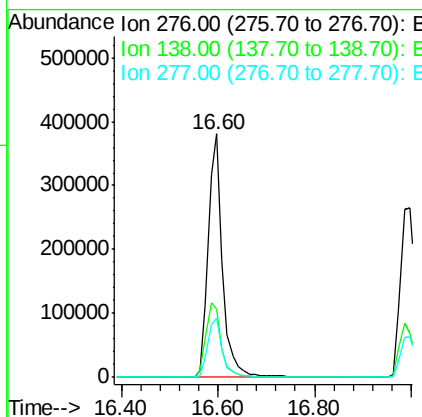
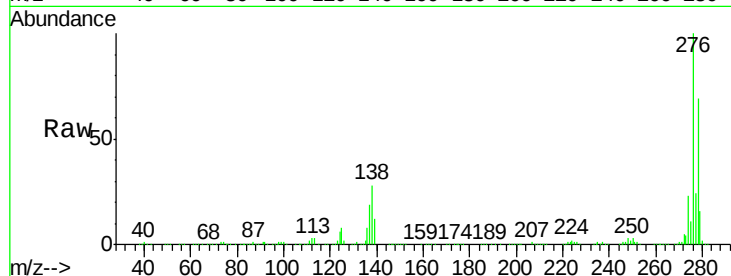
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.62 ng  
 RT: 16.60 min Scan# 1287  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.1  | 21.8  | 32.6  |
| 277     | 25.0  | 20.2  | 30.4  |

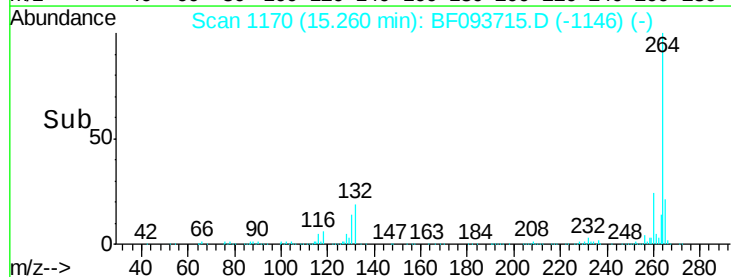
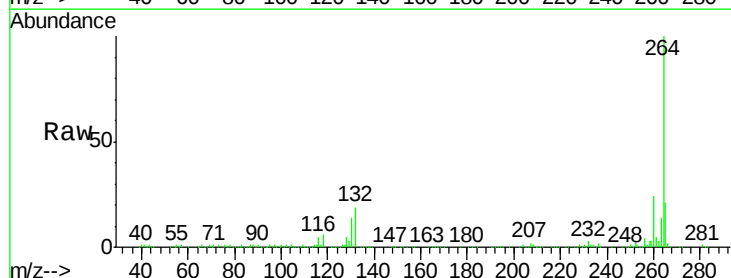
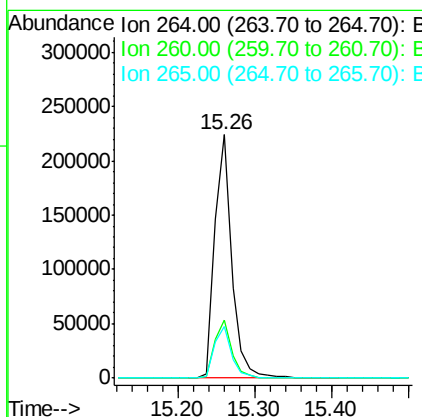
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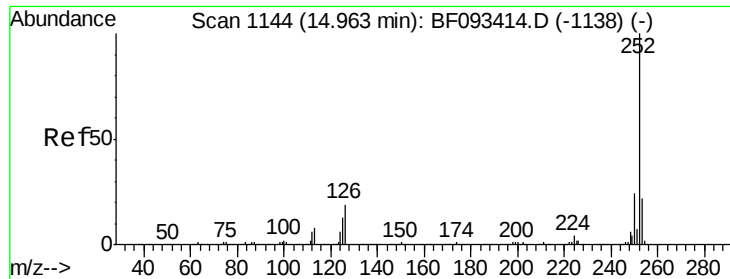
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.26 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 21.1  | 17.4  | 26.0  |





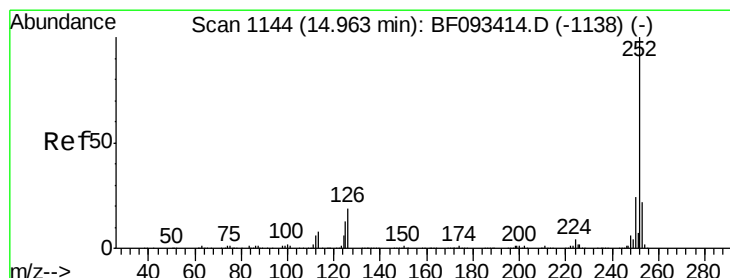
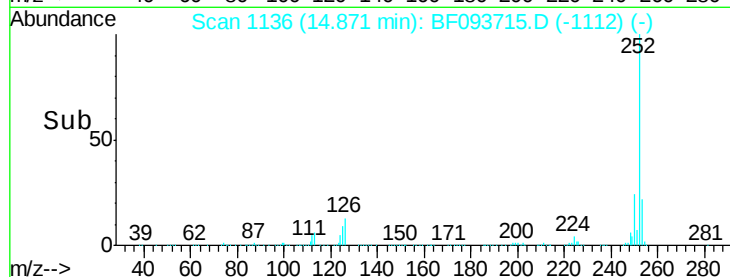
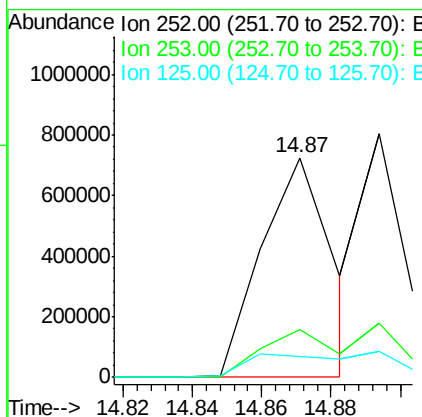
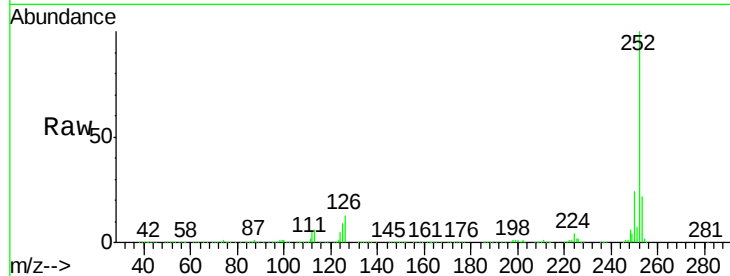
#87  
Benzo(b)fluoranthene  
Concen: 48.73 ng m  
RT: 14.87 min Scan# 1136  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tgt Ion:252 Resp: 1024522  
Ion Ratio Lower Upper  
252 100  
253 21.8 18.2 27.4  
125 9.4 9.8 14.6#

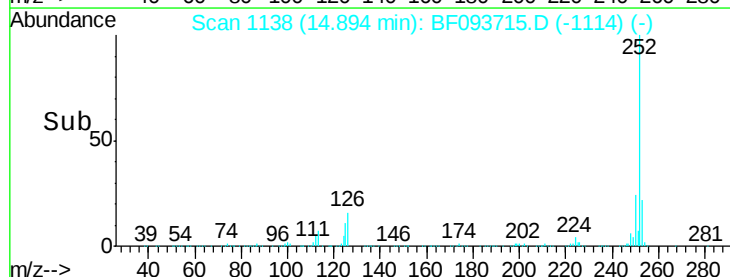
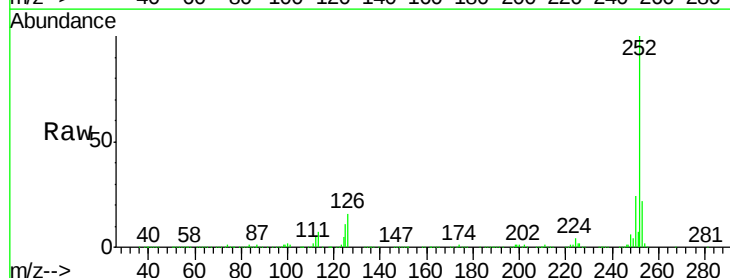
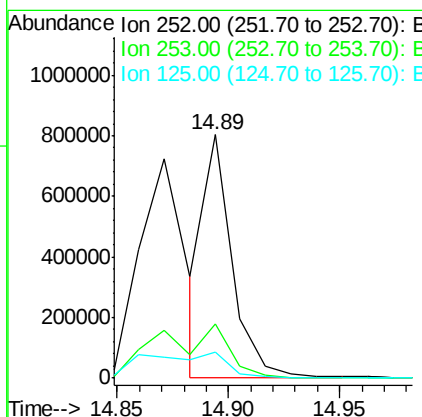
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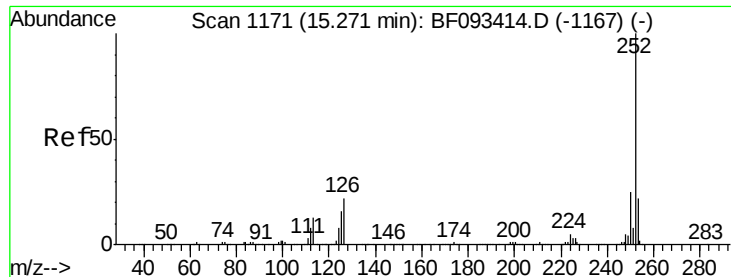
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#88  
Benzo(k)fluoranthene  
Concen: 36.09 ng m  
RT: 14.89 min Scan# 1138  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Tgt Ion:252 Resp: 731794  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.5 27.7  
125 10.8 8.9 13.3





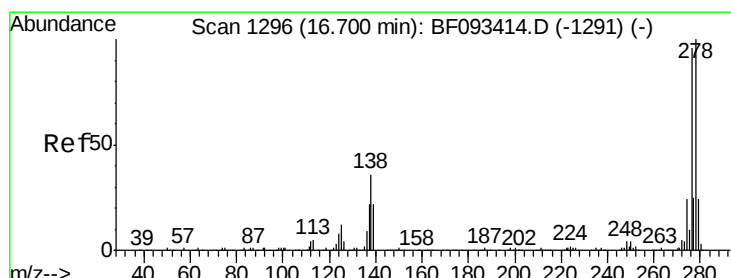
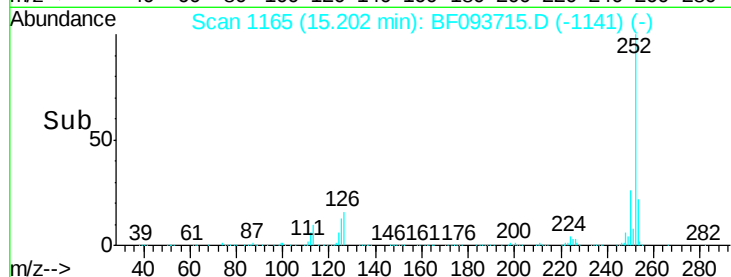
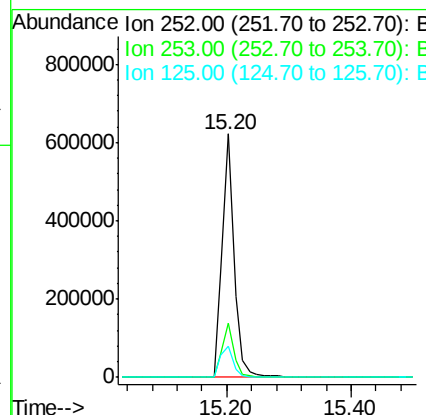
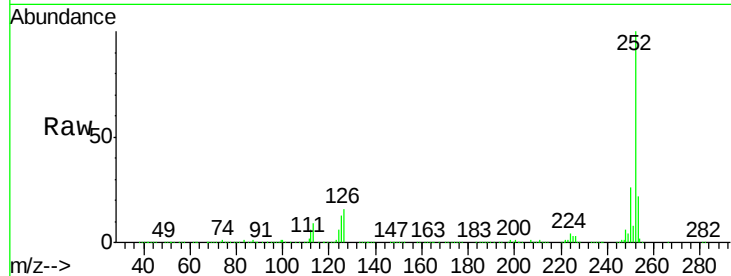
#89  
Benzo(a)pyrene  
Concen: 42.24 ng  
RT: 15.20 min Scan# 1165  
Delta R.T. -0.02 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.2  |
| 125     | 12.6  | 10.0  | 15.0  |

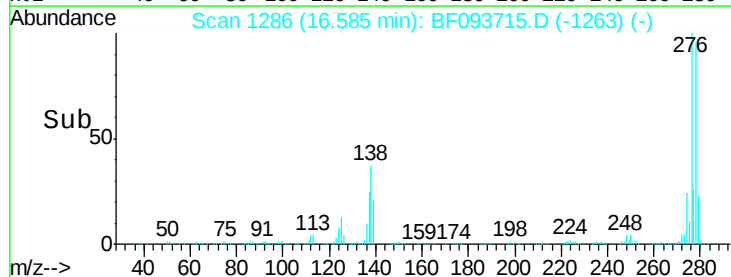
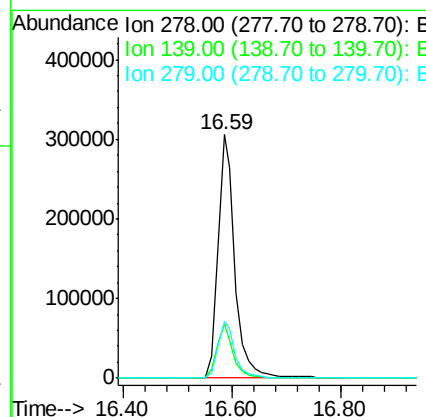
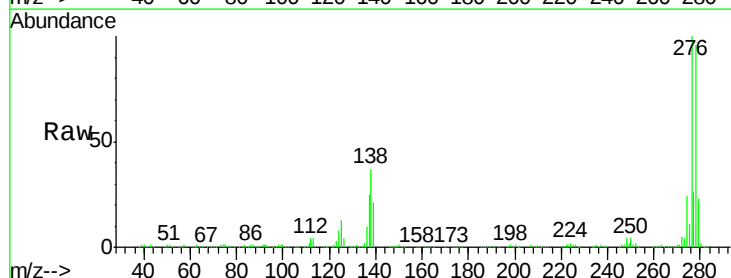
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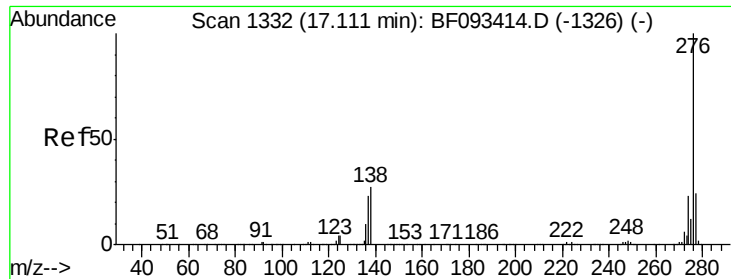
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#90  
Dibenzo(a,h)anthracene  
Concen: 42.19 ng  
RT: 16.59 min Scan# 1286  
Delta R.T. -0.03 min  
Lab File: BF093715.D  
Acq: 16 Mar 2017 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.1  | 14.8  | 22.2  |
| 279     | 23.5  | 19.8  | 29.6  |





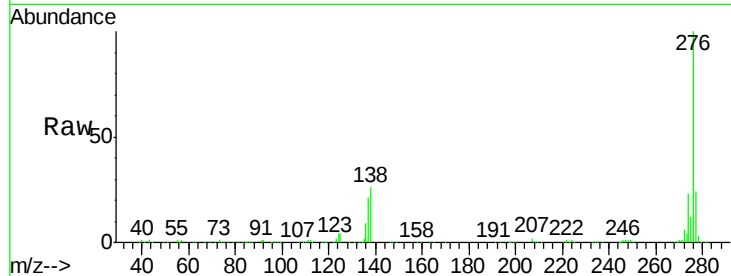
#91  
 Benzo(g,h,i)perylene  
 Concen: 41.99 ng  
 RT: 17.00 min Scan# 1322  
 Delta R.T. -0.02 min  
 Lab File: BF093715.D  
 Acq: 16 Mar 2017 19:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 685023 |       |       |
| 277     | 23.6  |        | 19.2  | 28.8  |
| 138     | 25.6  |        | 16.0  | 24.0  |

Manual Integrations  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

