

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\  
 Data File : BF093788.D  
 Acq On : 21 Mar 2017 2:17  
 Operator : SJ/MA  
 Sample : I2280-03 50X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CTMIX-2

Manual Integrations  
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mohammad  
 3/21/2017 2:46:05 PM

Quant Time: Mar 21 03:49:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 16:03:59 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 225721   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.13  | 136  | 853988   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 376475   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.35 | 188  | 579887   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.98 | 240  | 389085   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.39 | 264  | 338717   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 31031    | 2.40   | ng    | -0.02    |
| 7) Phenol-d6                | 6.45  | 99   | 38384    | 2.41   | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 19656    | 1.31   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 3488     | 1.20   | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 46347    | 2.07   | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.93 | 244  | 30197    | 1.58   | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.47  | 94   | 48084    | 2.68   | ng    | 82       |
| 20) 3+4-Methylphenols       | 7.24  | 107  | 37000    | 2.51   | ng    | # 63     |
| 31) Naphthalene             | 8.15  | 128  | 4695535  | 118.46 | ng    | 97       |
| 37) 2-Methylnaphthalene     | 8.84  | 142  | 757858   | 29.29  | ng    | 98       |
| 45) 1,1'-Biphenyl           | 9.29  | 154  | 206592   | 6.75   | ng    | 95       |
| 48) Acenaphthylene          | 9.73  | 152  | 661690   | 17.33  | ng    | 99       |
| 51) Acenaphthene            | 9.90  | 154  | 146748m  | 6.44   | ng    |          |
| 54) Dibenzofuran            | 10.07 | 168  | 644129   | 20.99  | ng    | 95       |
| 57) Fluorene                | 10.41 | 166  | 679970m  | 28.93  | ng    |          |
| 70) Phenanthrene            | 11.38 | 178  | 2194085  | 71.04  | ng    | 99       |
| 71) Anthracene              | 11.43 | 178  | 708373   | 22.28  | ng    | 98       |
| 72) Carbazole               | 11.58 | 167  | 291392   | 9.26   | ng    | # 96     |
| 74) Fluoranthene            | 12.56 | 202  | 1360744  | 42.87  | ng    | 96       |
| 77) Pyrene                  | 12.78 | 202  | 1067873  | 32.98  | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.97 | 228  | 451409m  | 18.52  | ng    |          |
| 82) Chrysene                | 14.00 | 228  | 371461m  | 15.25  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.73 | 276  | 121384   | 6.09   | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 14.99 | 252  | 382703m  | 16.76  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.01 | 252  | 152821m  | 9.06   | ng    |          |
| 89) Benzo(a)pyrene          | 15.33 | 252  | 307381m  | 16.60  | ng    |          |
| 90) Dibenzo(a,h)anthracene  | 16.75 | 278  | 32628m   | 2.12   | ng    |          |
| 91) Benzo(g,h,i)perylene    | 17.15 | 276  | 108027   | 7.08   | ng    | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

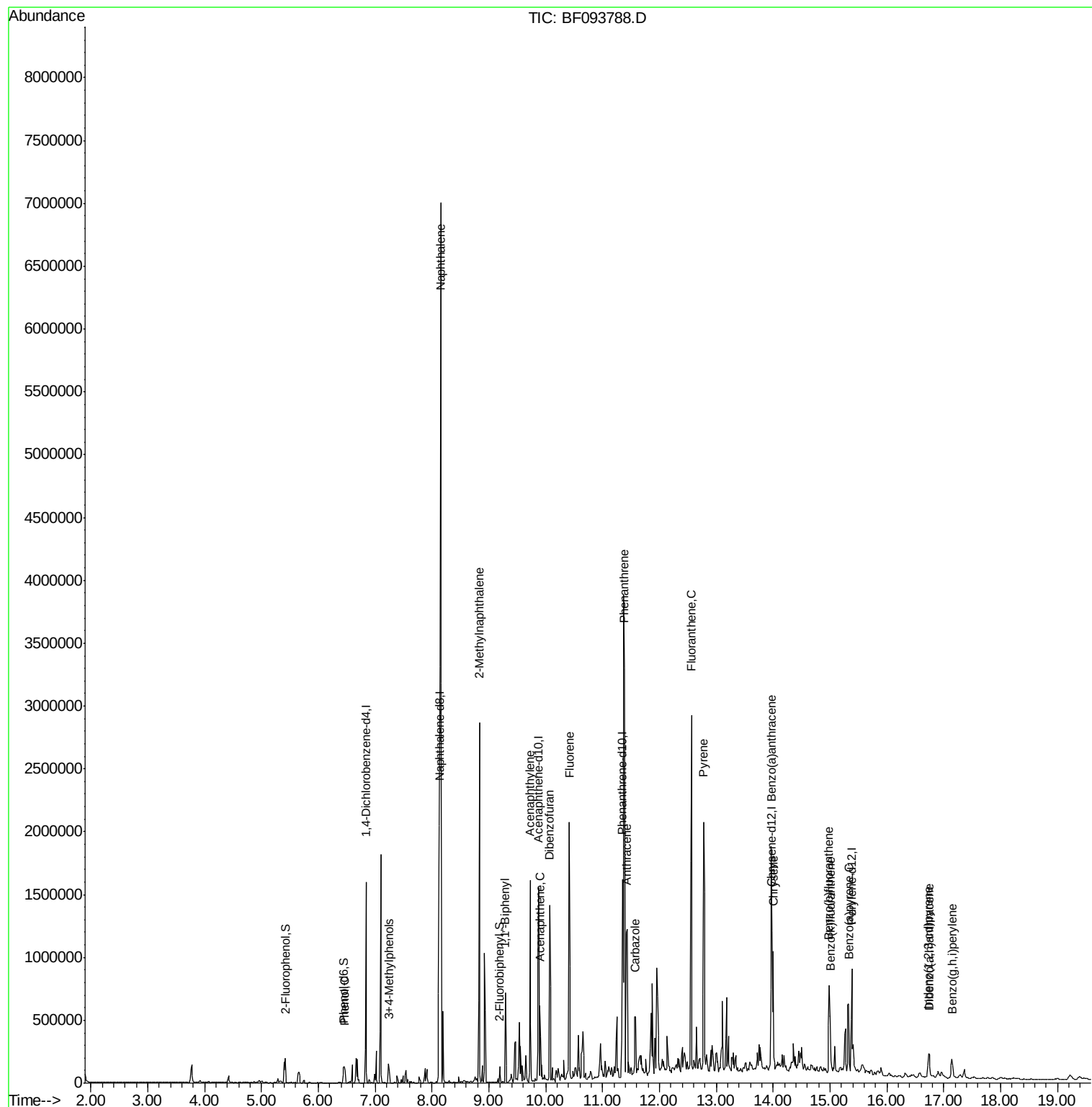
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\  
Data File : BF093788.D  
Acq On : 21 Mar 2017 2:17  
Operator : SJ/MA  
Sample : I2280-03 50X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

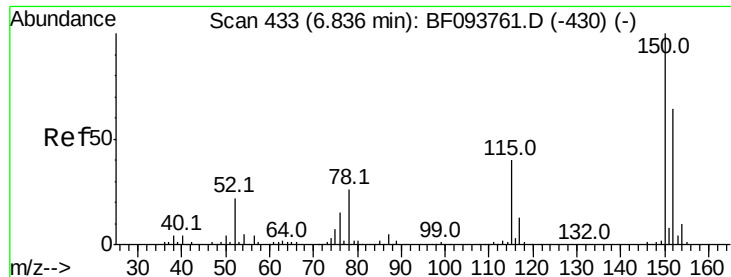
Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

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Quant Time: Mar 21 03:49:35 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 20 16:03:59 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

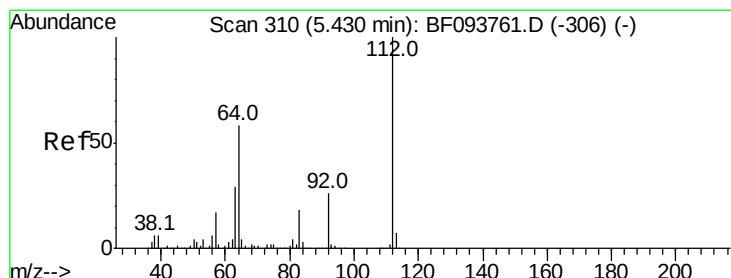
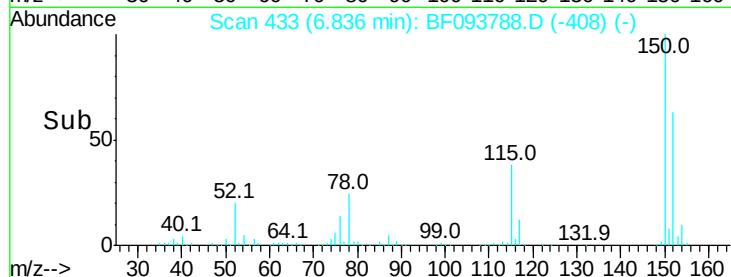
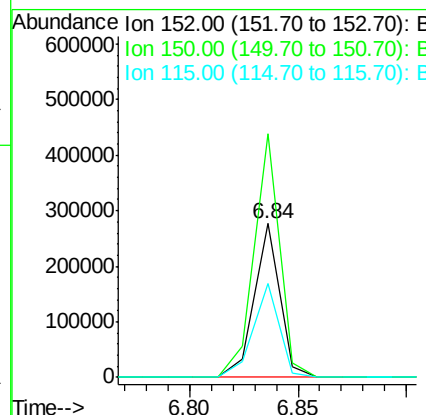
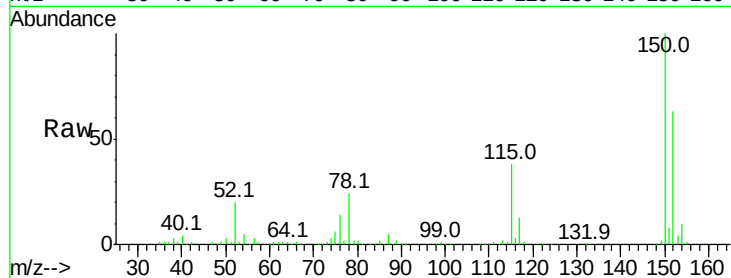
ClientSampleId :

CTMIX-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 225721 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 158.6 | 126.2 | 189.2  |
| 115       | 60.9  | 52.2  | 78.2   |

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#5

2-Fluorophenol

Concen: 2.40 ng

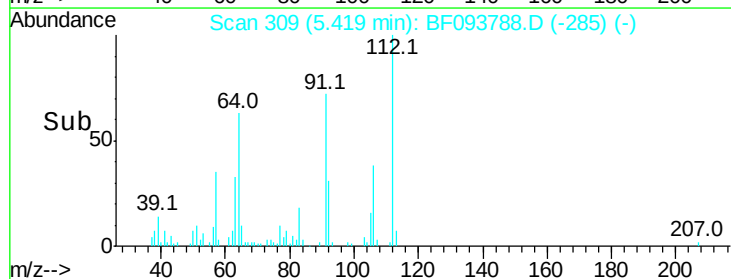
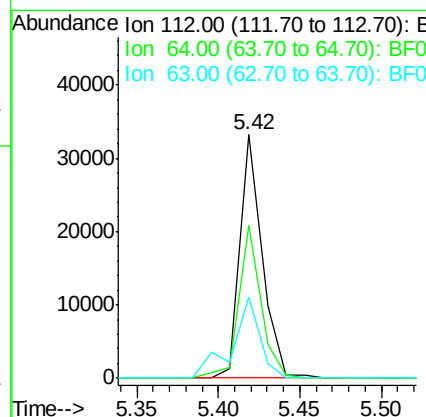
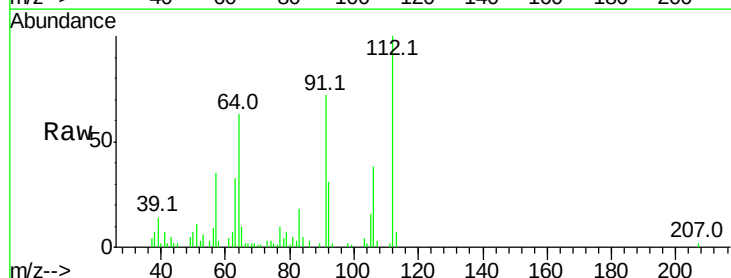
RT: 5.42 min Scan# 309

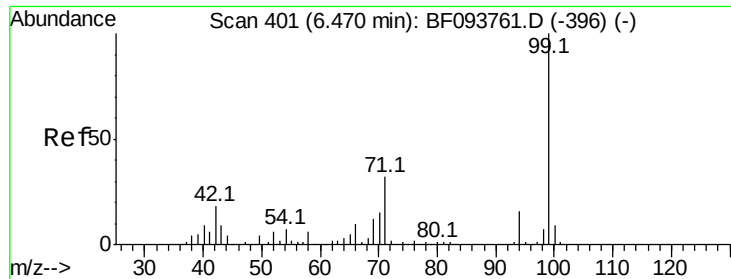
Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 31031 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 62.7  | 46.0  | 69.0  |
| 63        | 33.2  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 2.41 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

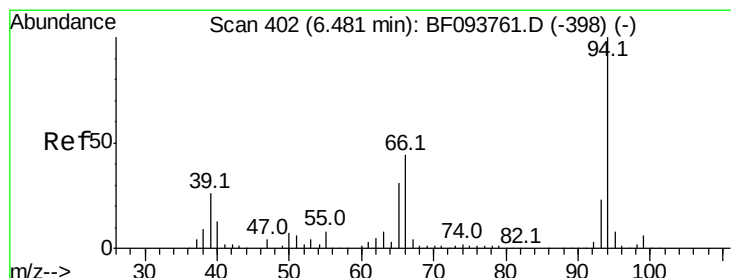
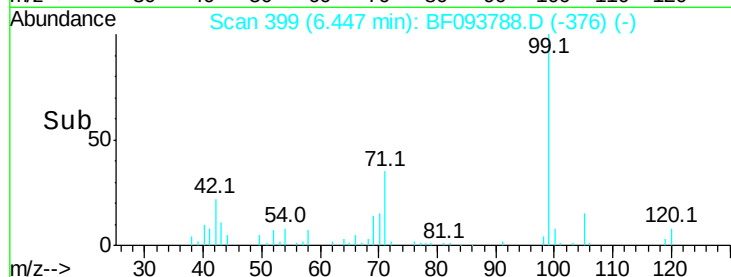
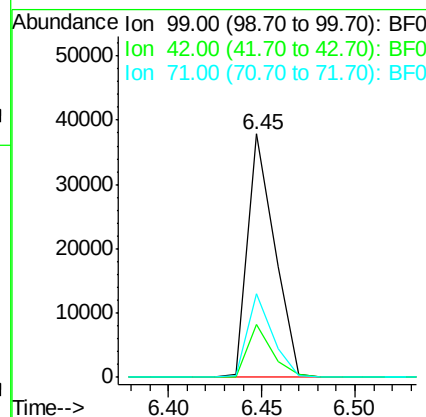
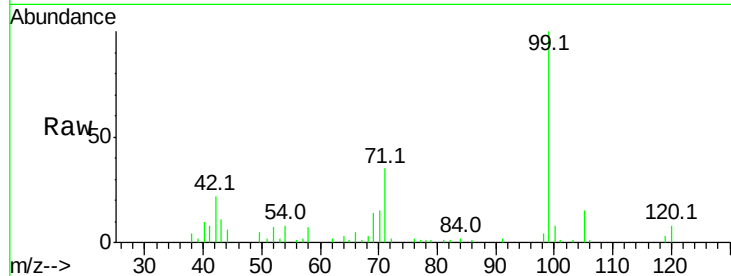
ClientSampled :

CTMIX-2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 38384 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 21.7  | 13.5  | 20.3# |
| 71        | 34.6  | 24.5  | 36.7  |

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#10

Phenol

Concen: 2.68 ng

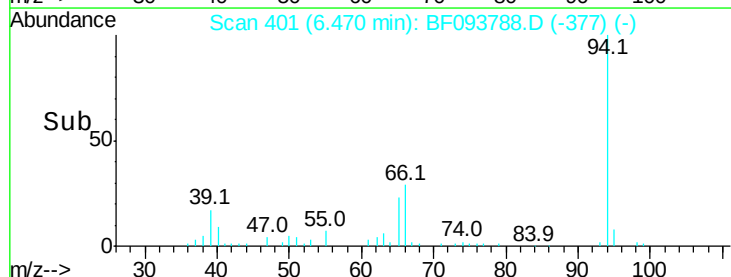
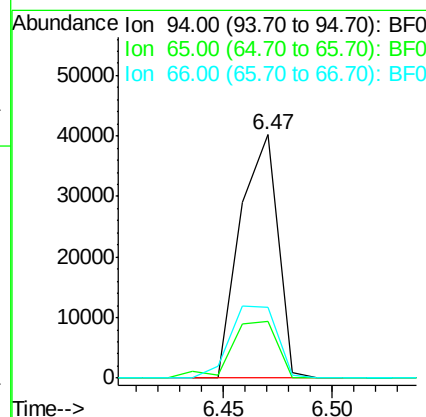
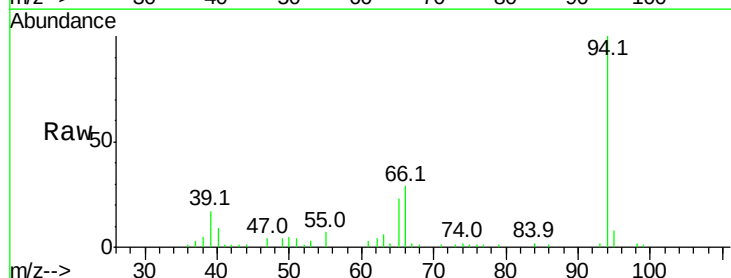
RT: 6.47 min Scan# 401

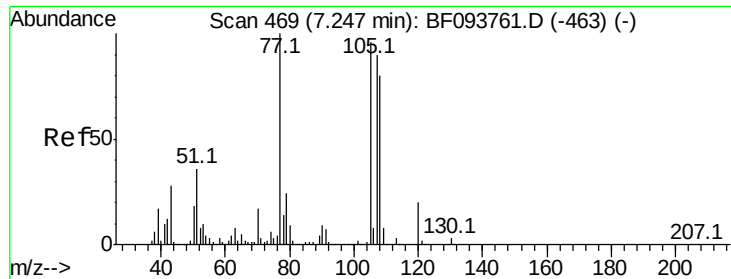
Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 48084 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 23.1  | 9.9   | 49.9  |
| 66        | 29.2  | 23.1  | 63.1  |





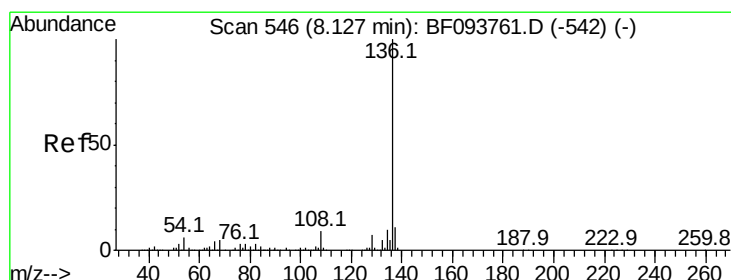
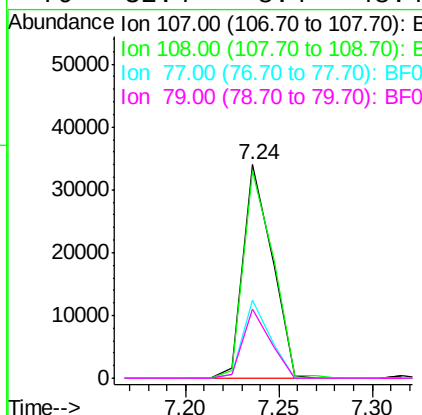
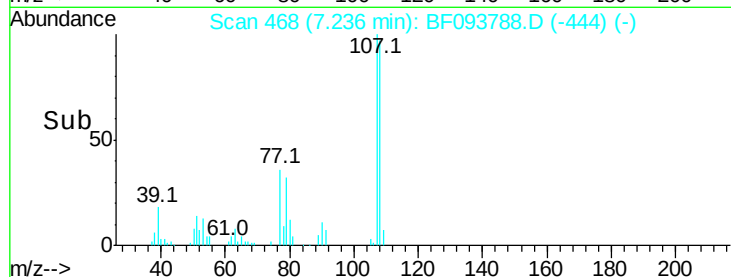
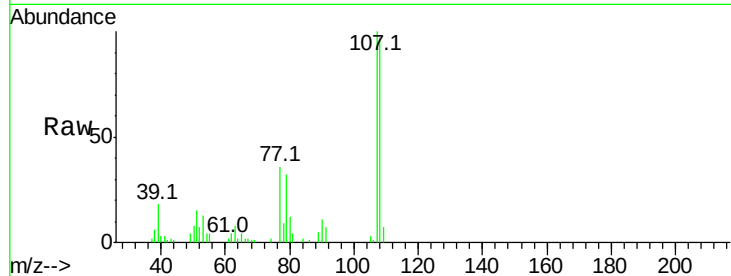
#20  
3+4-Methylphenols  
Concen: 2.51 ng  
RT: 7.24 min Scan# 468  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 97.2  | 71.0  | 111.0  |
| 77      | 36.4  | 90.5  | 130.5# |
| 79      | 32.4  | 8.4   | 48.4   |

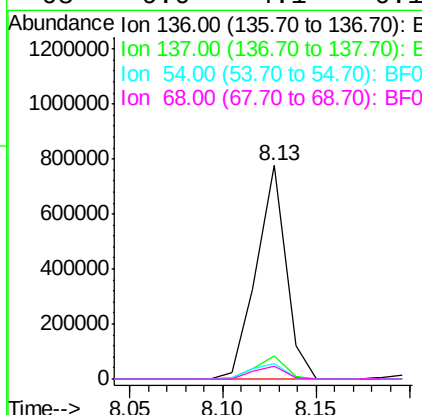
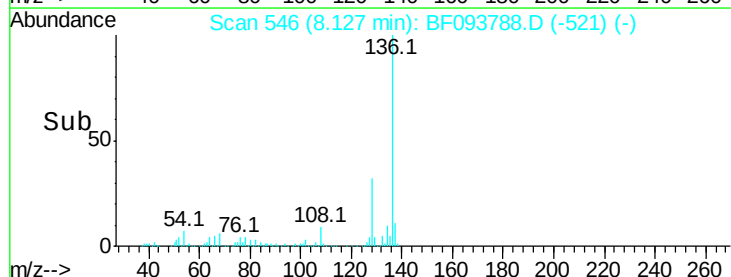
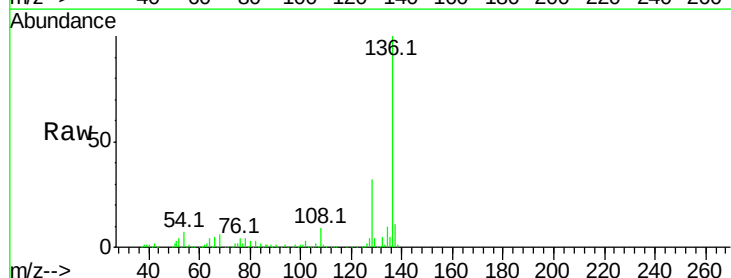
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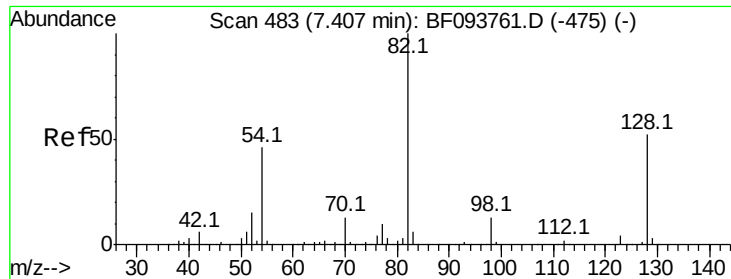
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 8.5   | 12.7  |
| 54      | 7.1   | 4.9   | 7.3   |
| 68      | 6.0   | 4.1   | 6.1   |





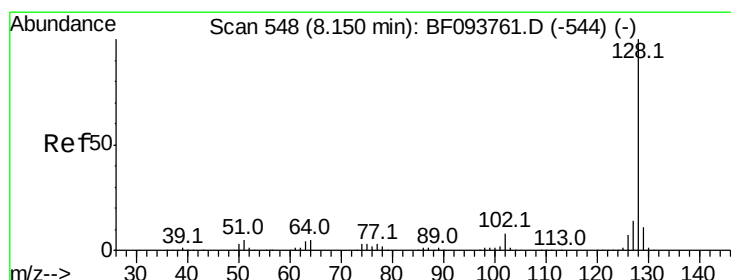
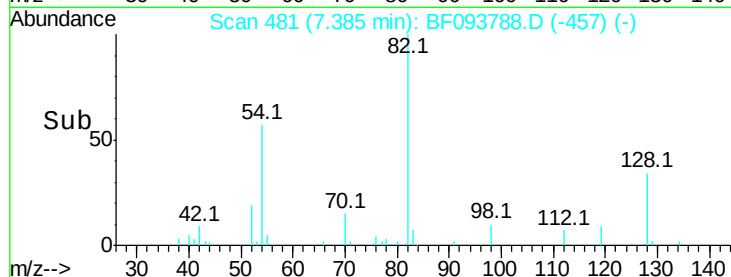
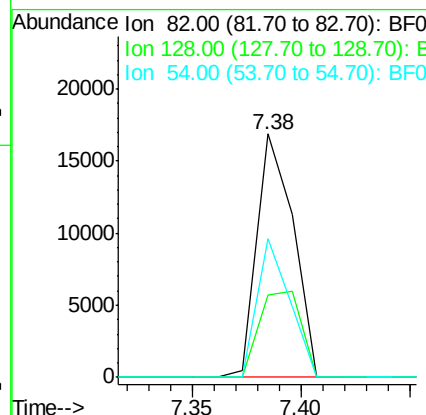
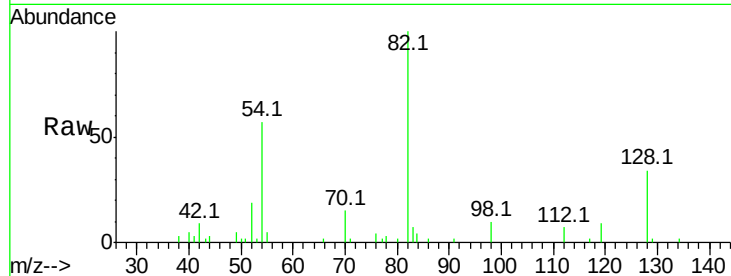
#23  
Nitrobenzene-d5  
Concen: 1.31 ng  
RT: 7.38 min Scan# 481  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampled :  
CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.6  | 34.0  | 51.0# |
| 54      | 56.9  | 42.2  | 63.2  |

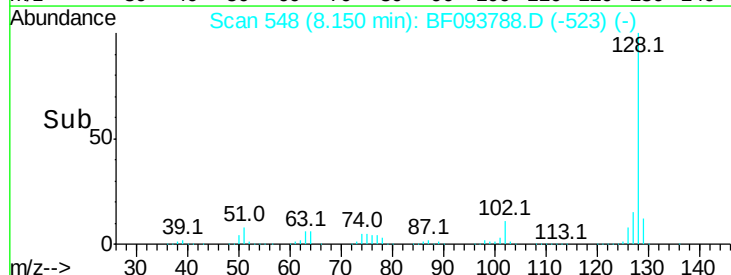
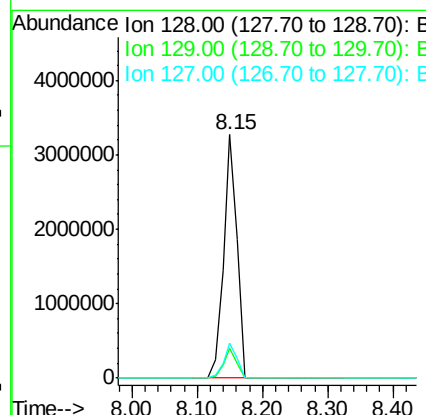
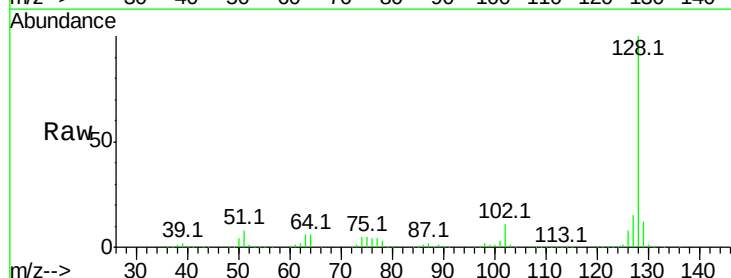
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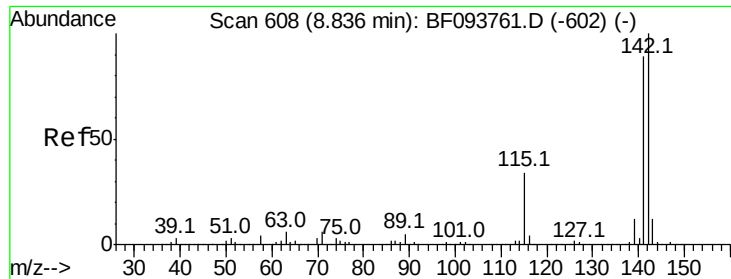
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#31  
Naphthalene  
Concen: 118.46 ng  
RT: 8.15 min Scan# 548  
Delta R.T. -0.01 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.4  | 9.0   | 13.6  |
| 127     | 14.6  | 10.8  | 16.2  |





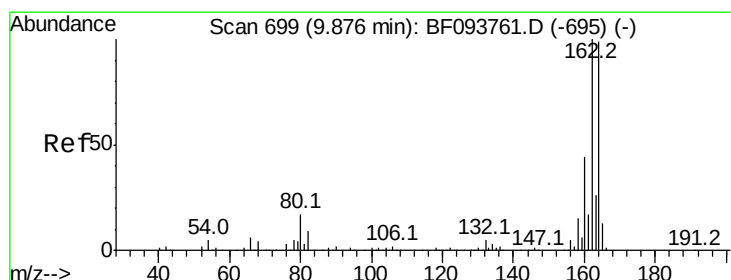
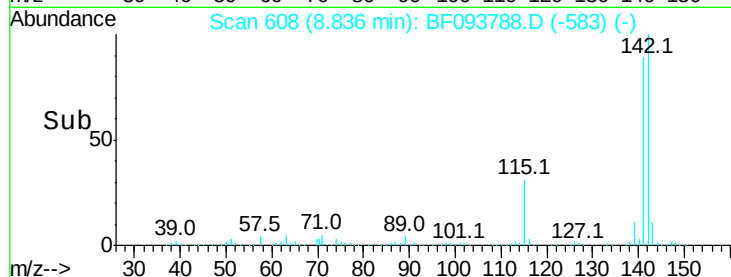
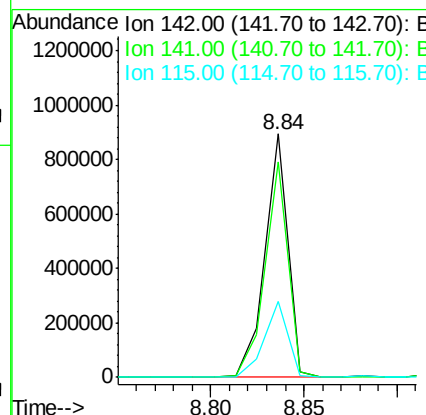
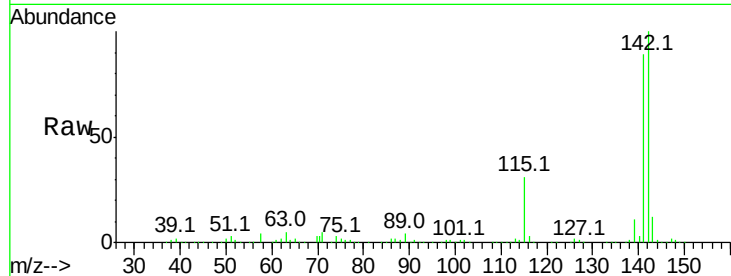
#37  
2-Methylnaphthalene  
Concen: 29.29 ng  
RT: 8.84 min Scan# 608  
Delta R.T. -0.01 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 71.3  | 106.9 |
| 115     | 31.4  | 27.1  | 40.7  |

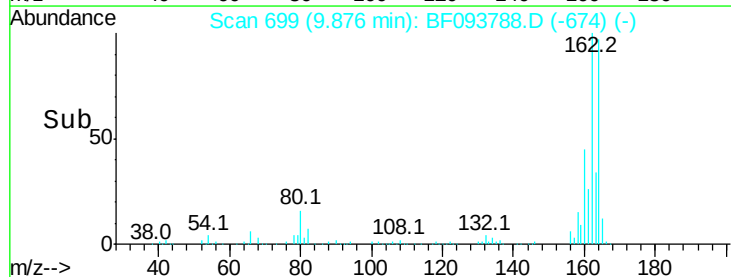
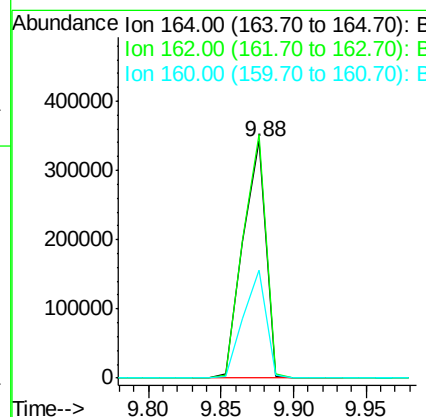
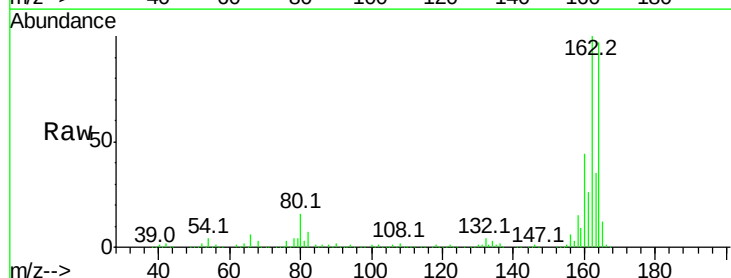
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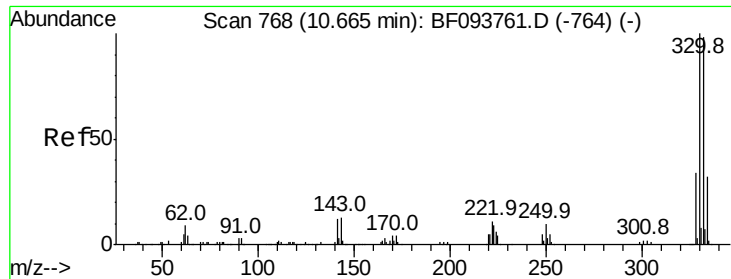
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.88 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.8 | 82.6  | 123.8 |
| 160     | 45.7  | 36.2  | 54.2  |





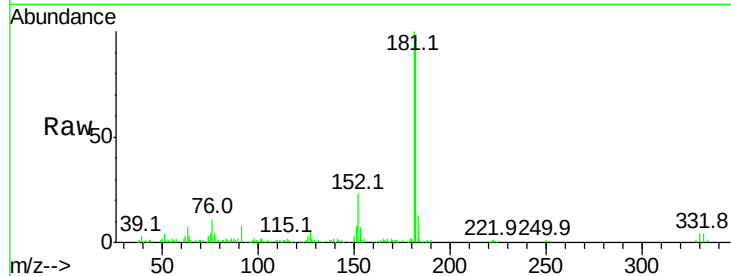
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 2,4,6-Tribromophenol  
 Concen: 1.20 ng  
 RT: 10.65 min Scan# 767  
 Delta R.T. -0.02 min  
 Lab File: BF093788.D  
 Acq: 21 Mar 2017 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CTMIX-2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 93.3  | 76.6 | 115.0 |       |
| 141     | 41.8  | 31.4 | 47.2  |       |

Manual Integrations  
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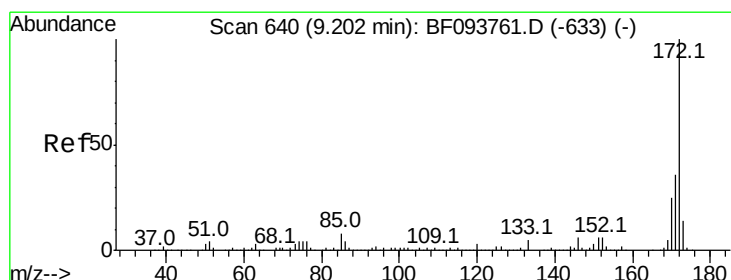
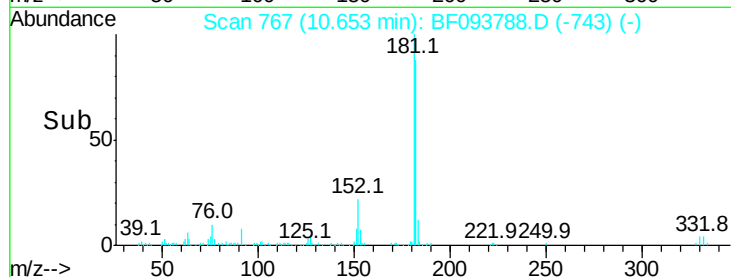
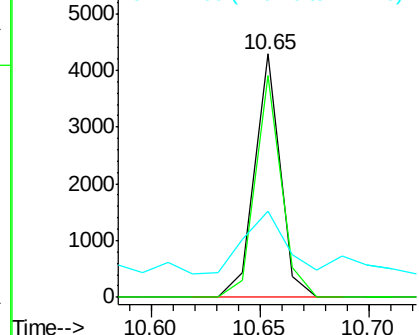


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 2.07 ng  
 RT: 9.19 min Scan# 639  
 Delta R.T. -0.02 min  
 Lab File: BF093788.D  
 Acq: 21 Mar 2017 2:17

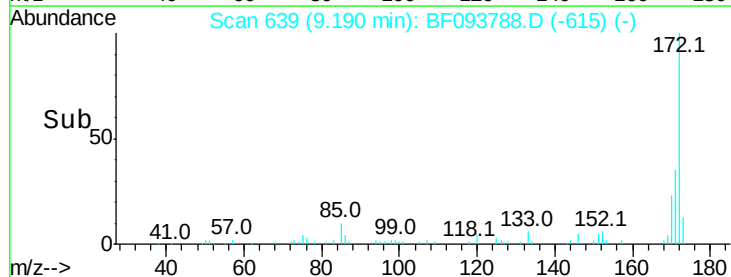
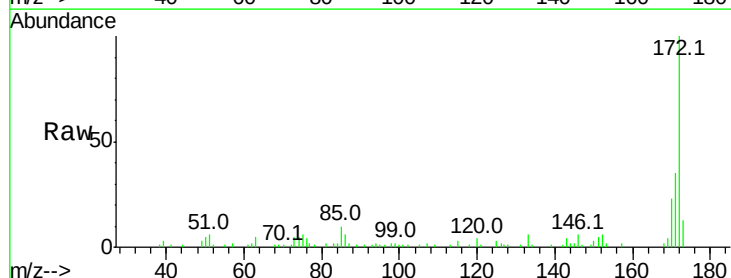
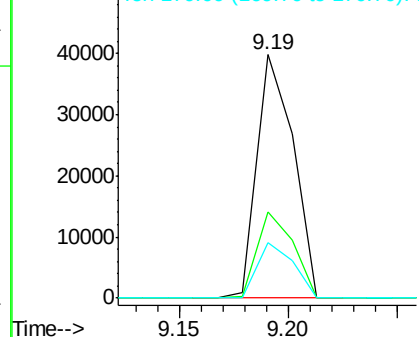
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.2  | 29.6 | 44.4  |       |
| 170     | 23.0  | 19.8 | 29.8  |       |

Abundance

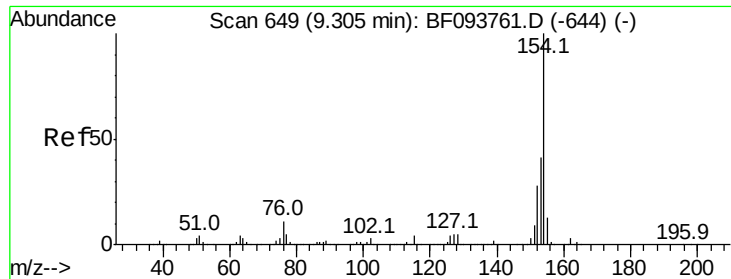
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E







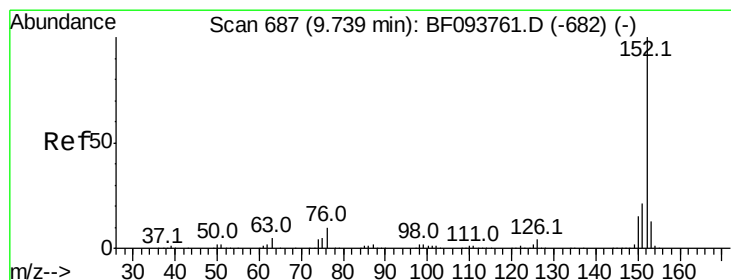
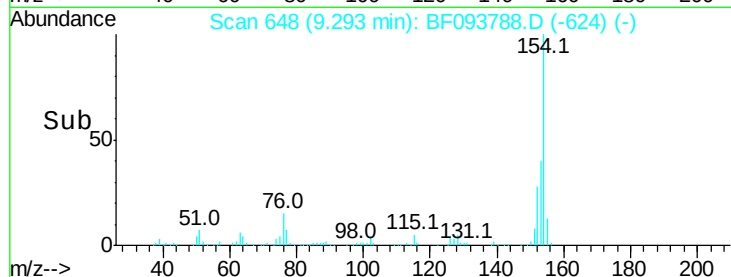
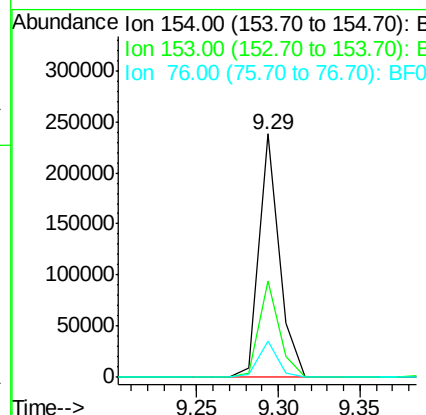
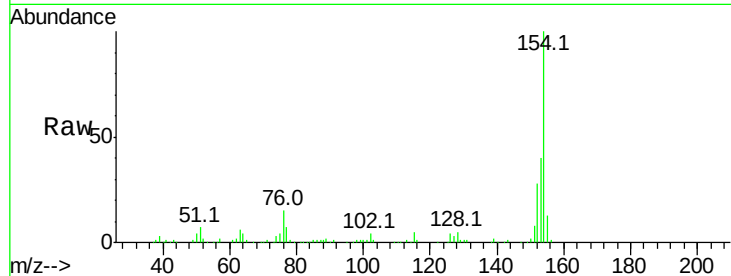
#45  
1,1'-Biphenyl  
Concen: 6.75 ng  
RT: 9.29 min Scan# 648  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 39.6  | 21.2 | 61.2  |       |
| 76      | 14.8  | 0.0  | 29.9  |       |

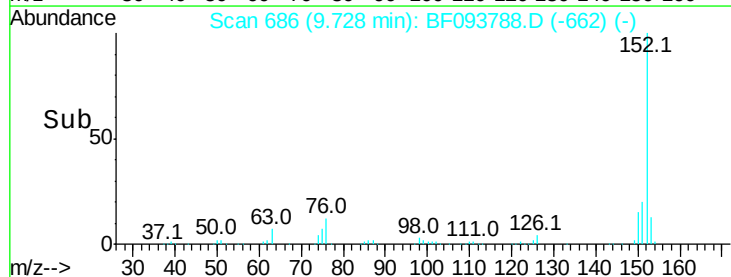
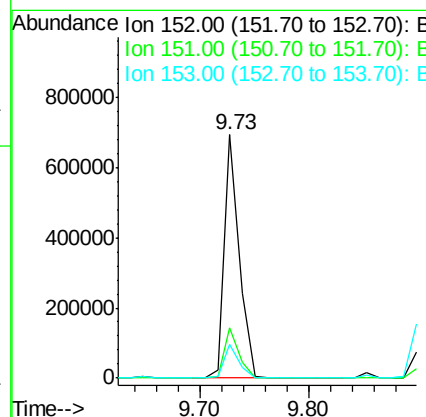
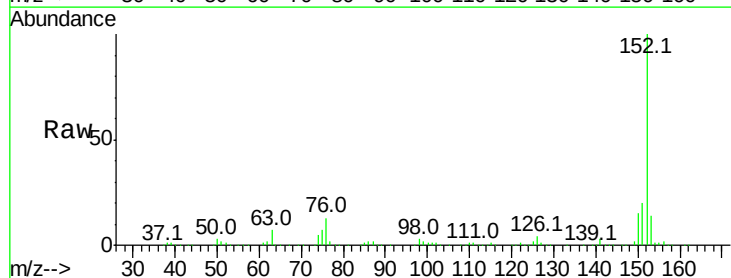
Manual Integrations  
APPROVED

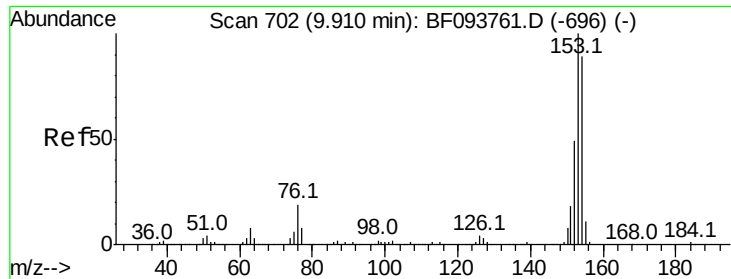
mohammad  
3/21/2017 2:46:05 PM



#48  
Acenaphthylene  
Concen: 17.33 ng  
RT: 9.73 min Scan# 686  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 152     | 100   |      |       |       |
| 151     | 20.4  | 16.8 | 25.2  |       |
| 153     | 13.8  | 10.8 | 16.2  |       |





#51

Acenaphthene

Concen: 6.44 ng/mL

RT: 9.90 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

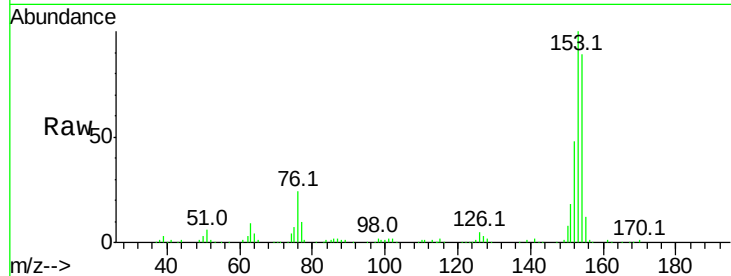
ClientSampleId :

CTMIX-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 146748 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 90.5  | 135.7  |
| 152       | 53.2  | 43.6  | 65.4   |

Manual Integrations  
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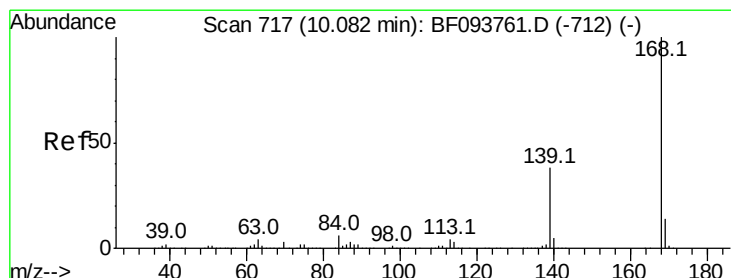
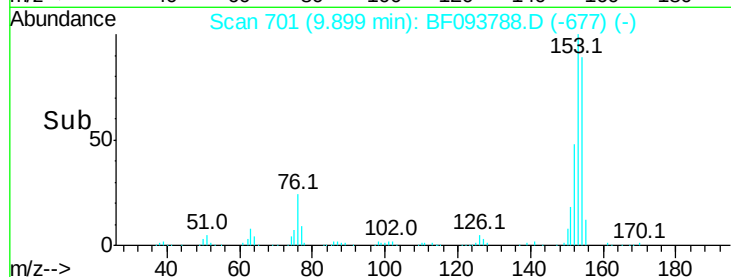
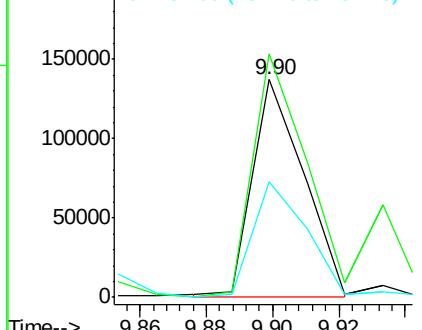


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 20.99 ng/mL

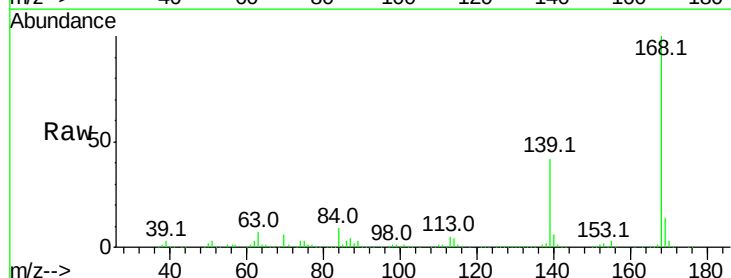
RT: 10.07 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 644129 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 41.5  | 30.6  | 45.8   |
| 169       | 14.4  | 10.8  | 16.2   |

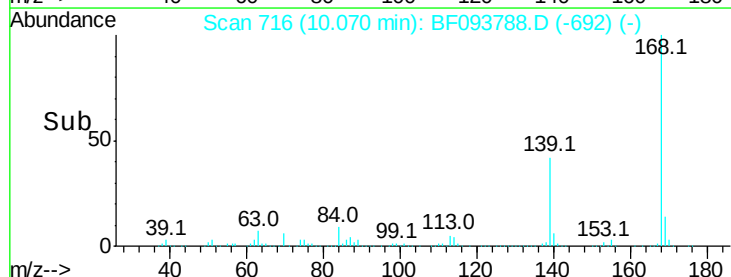
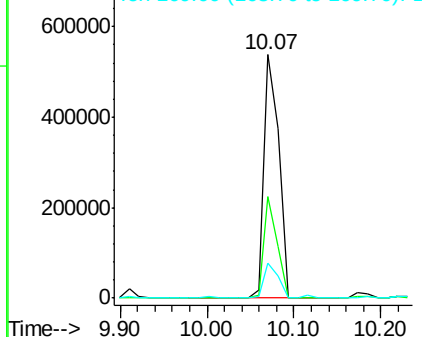


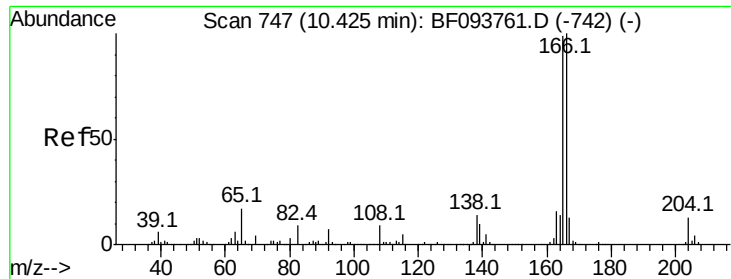
Abundance

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





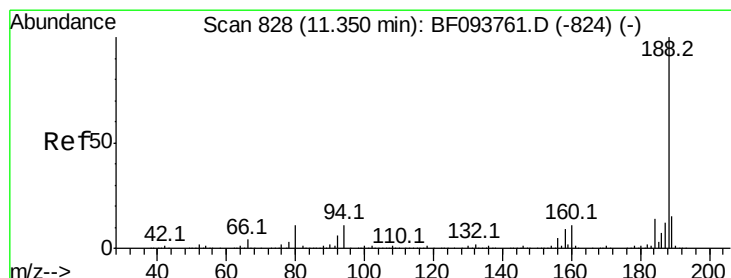
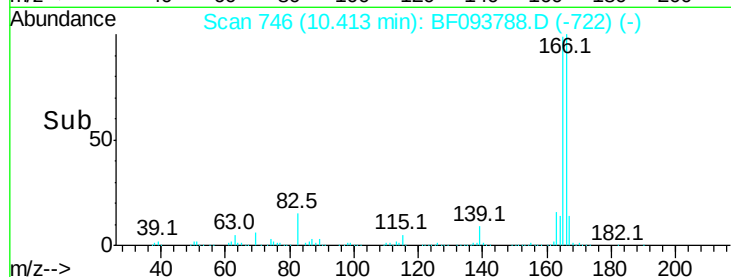
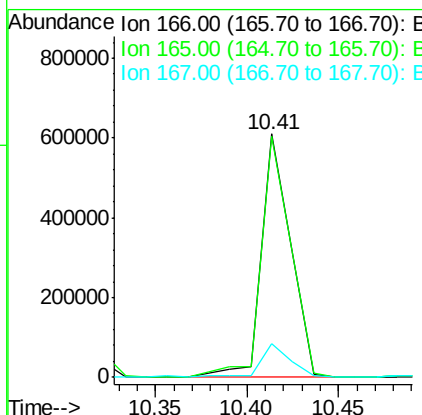
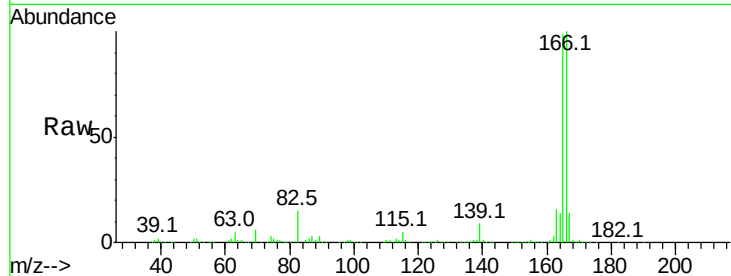
#57  
**Fluorene**  
 Concen: 28.93 ng/ml  
 RT: 10.41 min Scan# 746  
 Delta R.T. -0.02 min  
 Lab File: BF093788.D  
 Acq: 21 Mar 2017 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CTMIX-2

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 679970 |       |       |
| 165     | 99.0  |        | 78.8  | 118.2 |
| 167     | 14.1  |        | 10.6  | 16.0  |

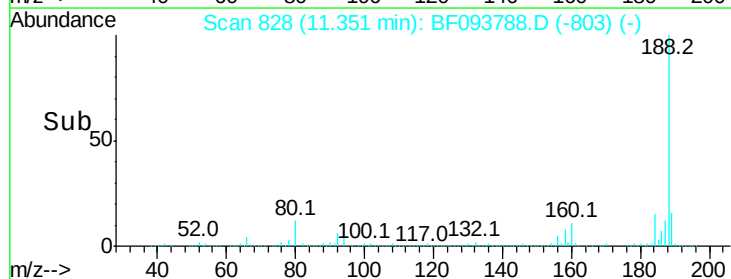
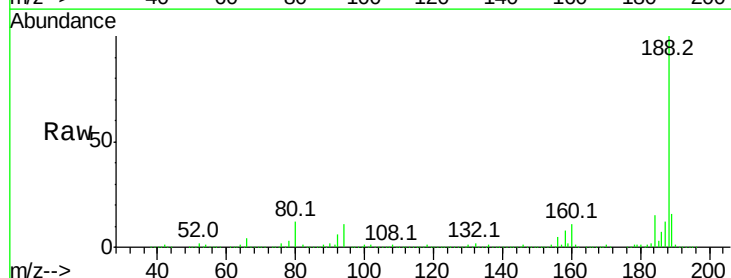
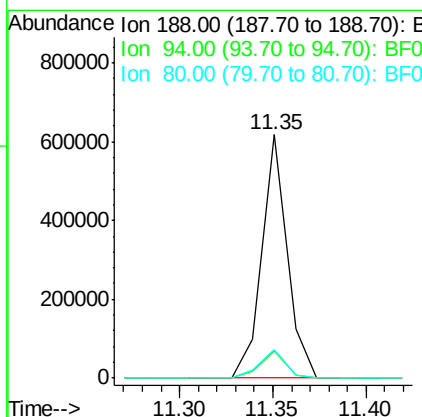
Manual Integrations  
**APPROVED**

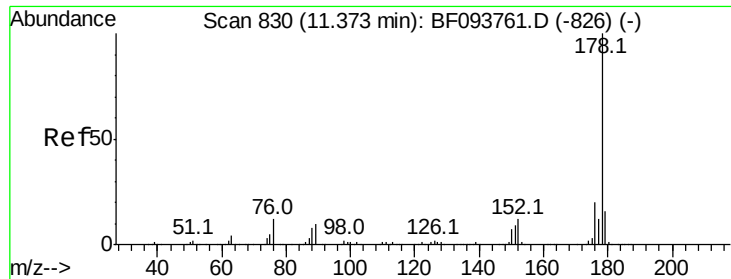
mohammad  
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#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.35 min Scan# 828  
 Delta R.T. -0.01 min  
 Lab File: BF093788.D  
 Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 579887 |       |       |
| 94      | 11.0  |        | 9.4   | 14.2  |
| 80      | 11.7  |        | 10.2  | 15.2  |





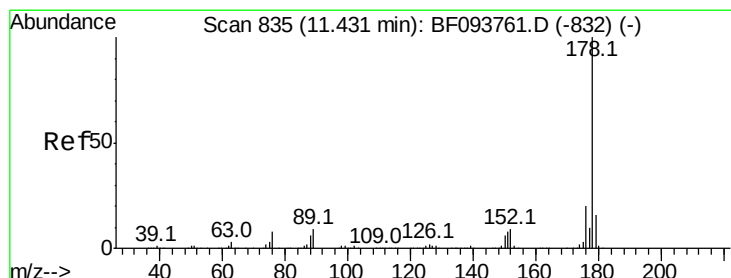
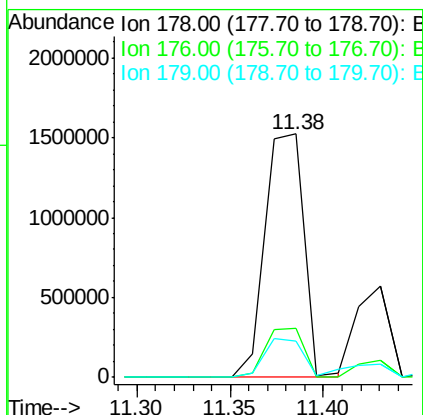
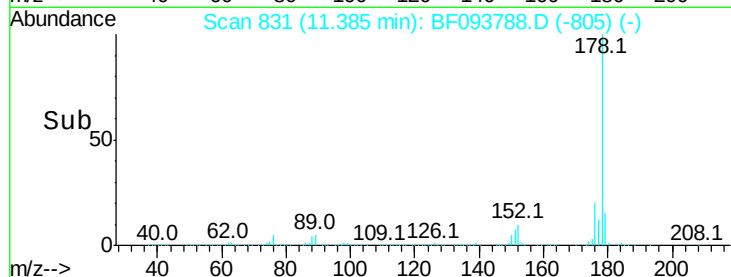
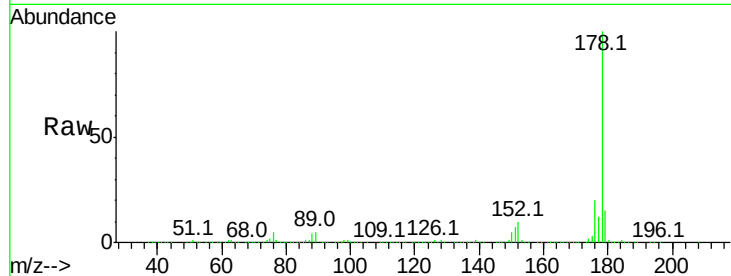
#70  
Phenanthrene  
Concen: 71.04 ng  
RT: 11.38 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

Tot Ion:178 Resp: 2194085  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.2 24.4  
179 15.1 12.6 19.0

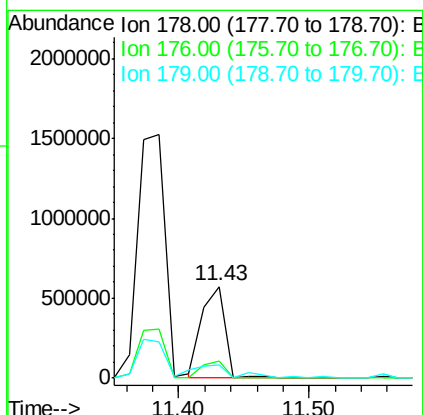
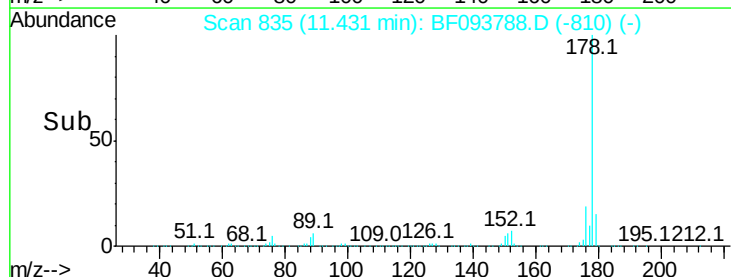
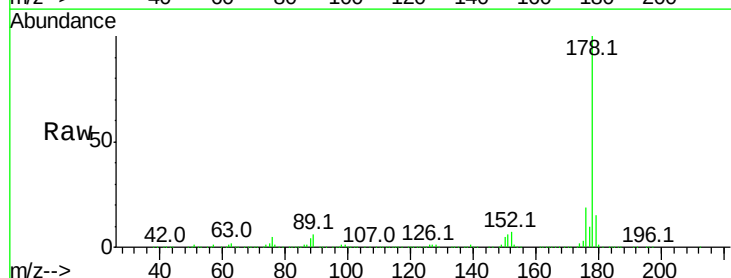
Manual Integrations  
APPROVED

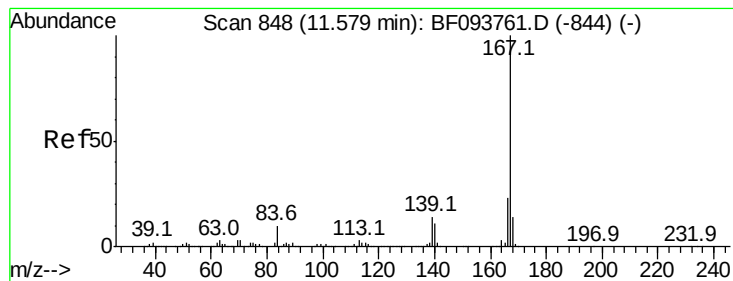
mohammad  
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#71  
Anthracene  
Concen: 22.28 ng  
RT: 11.43 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Tgt Ion:178 Resp: 708373  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.8  
179 15.0 12.7 19.1





#72

Carbazole

Concen: 9.26 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

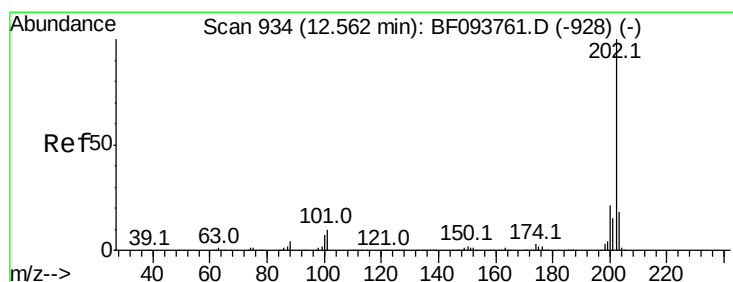
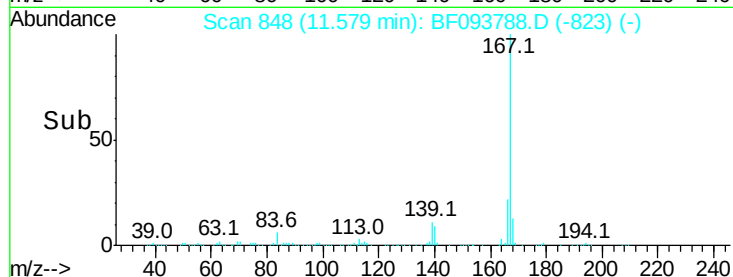
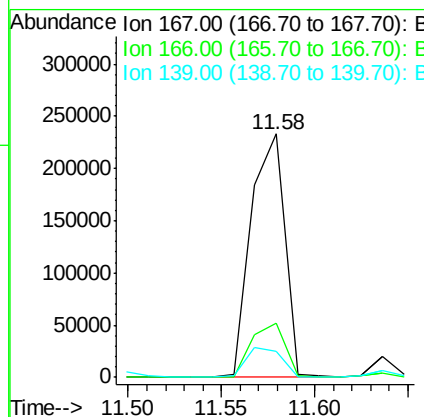
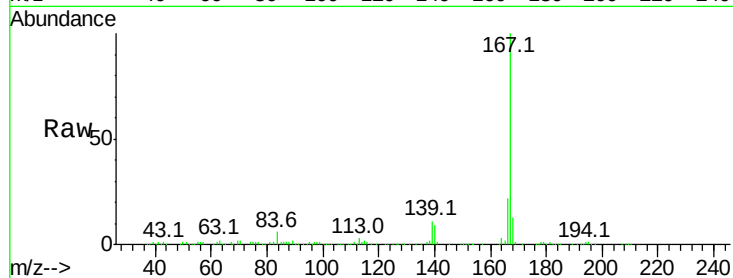
ClientSampleId :

CTMIX-2

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 291392 |       |       |
| 166     | 22.1  | 18.1   | 27.1  |       |
| 139     | 10.7  | 11.7   | 17.5  |       |

Manual Integrations  
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#74

Fluoranthene

Concen: 42.87 ng

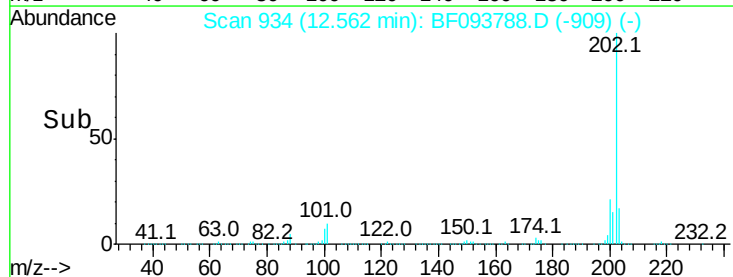
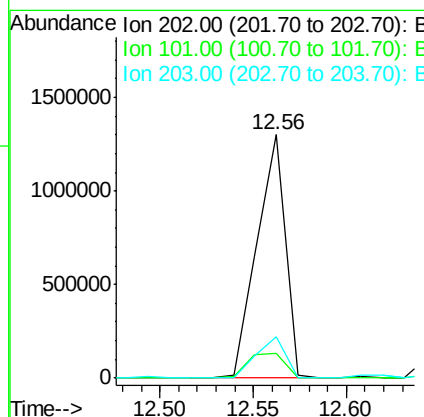
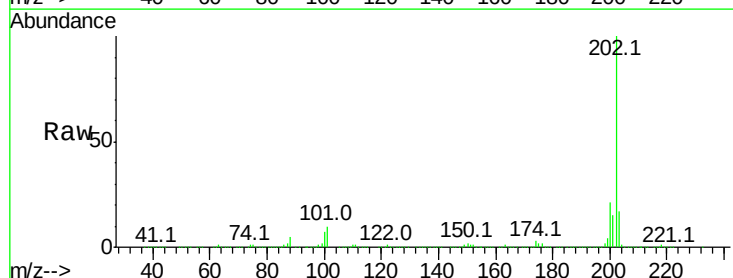
RT: 12.56 min Scan# 934

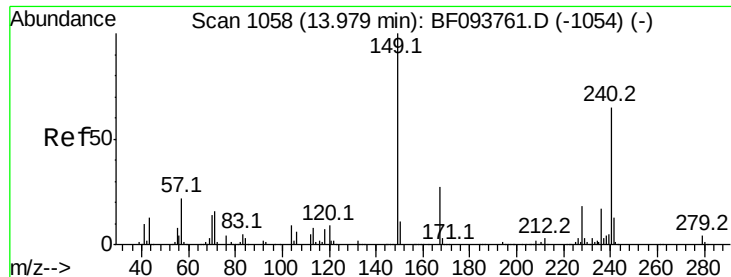
Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1360744 |       |       |
| 101     | 10.3  | 0.0     | 33.2  |       |
| 203     | 17.2  | 0.0     | 38.1  |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

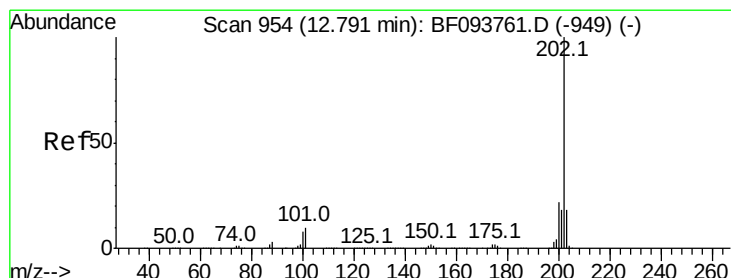
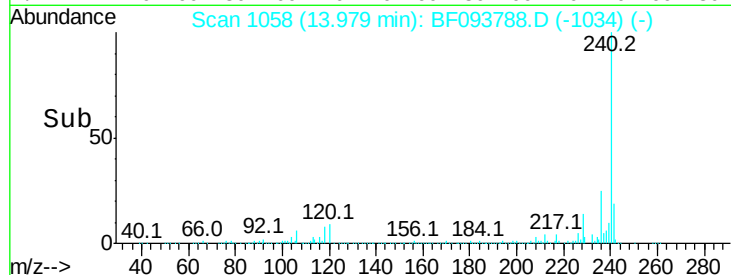
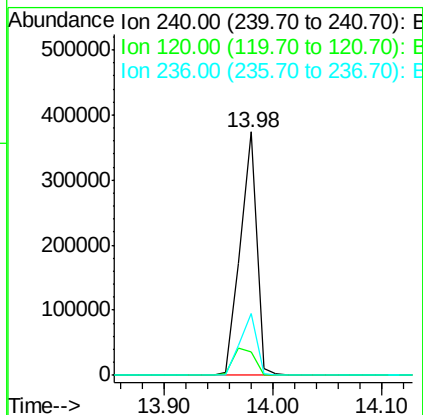
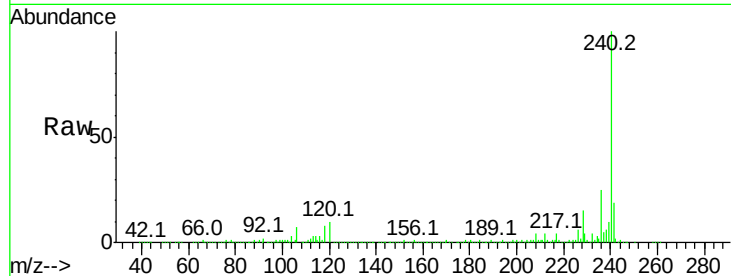
ClientSampled :

CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.6   | 5.8   | 8.8#  |
| 236     | 25.1  | 20.5  | 30.7  |

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#77

Pyrene

Concen: 32.98 ng

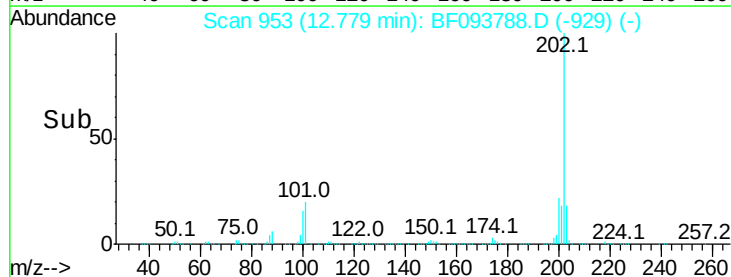
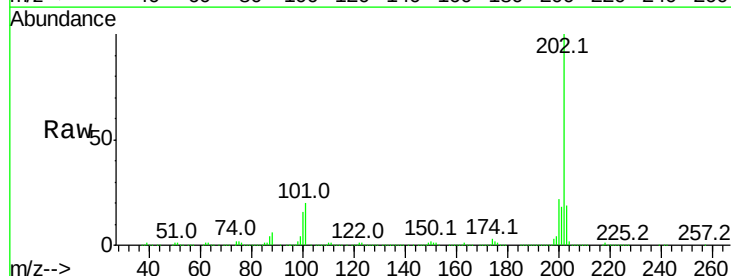
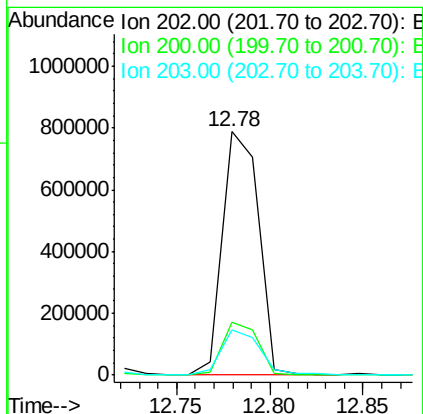
RT: 12.78 min Scan# 953

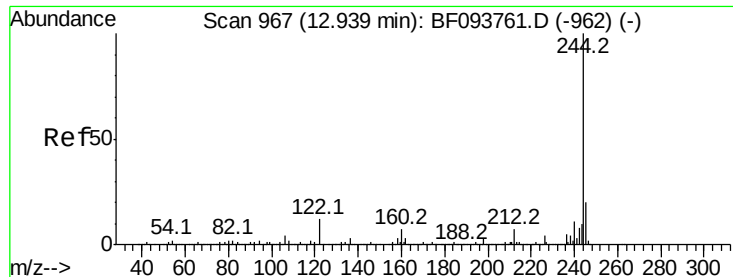
Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 17.6  | 26.4  |
| 203     | 18.8  | 14.4  | 21.6  |





#78

Terphenyl-d14

Concen: 1.58 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA\_F

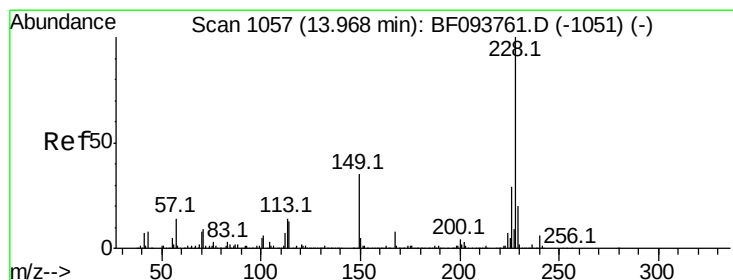
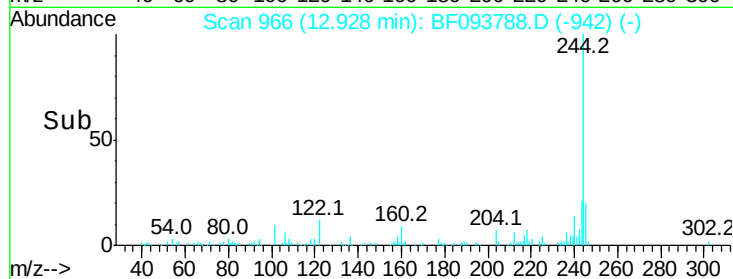
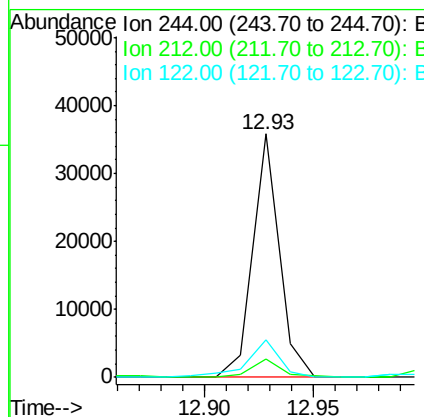
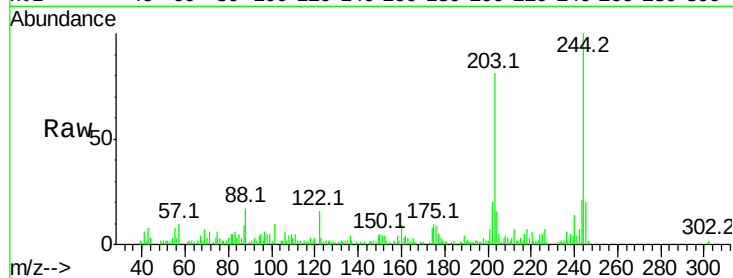
ClientSampleId :

CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 6.0   | 9.0   |
| 122     | 15.6  | 10.3  | 15.5  |

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#80

Benzo(a)anthracene

Concen: 18.52 ng m

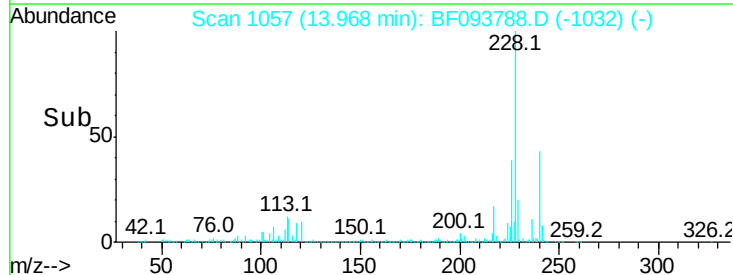
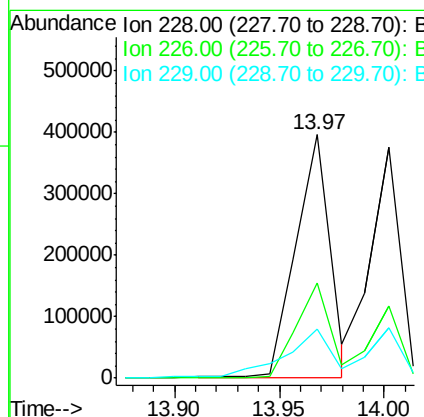
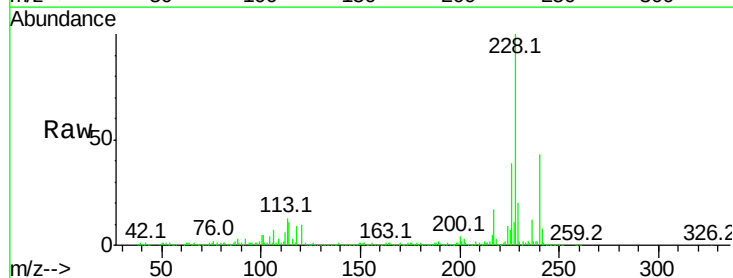
RT: 13.97 min Scan# 1057

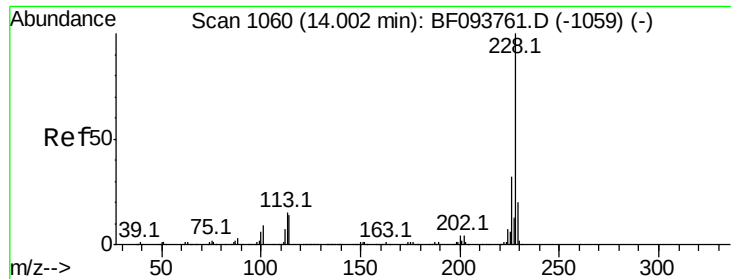
Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 39.1  | 22.6  | 33.8  |
| 229     | 20.4  | 16.3  | 24.5  |





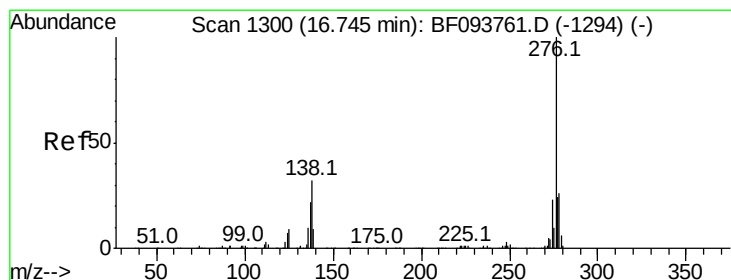
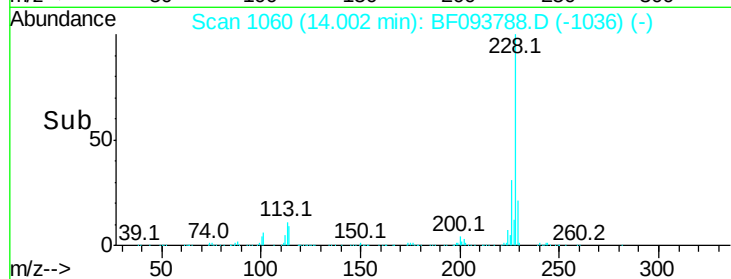
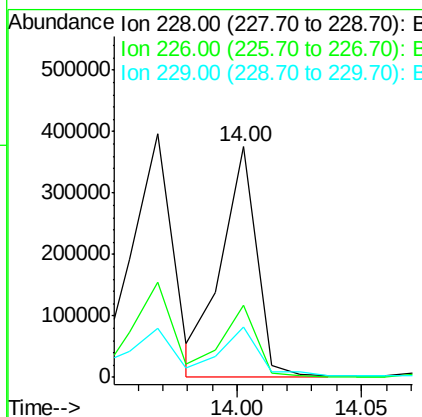
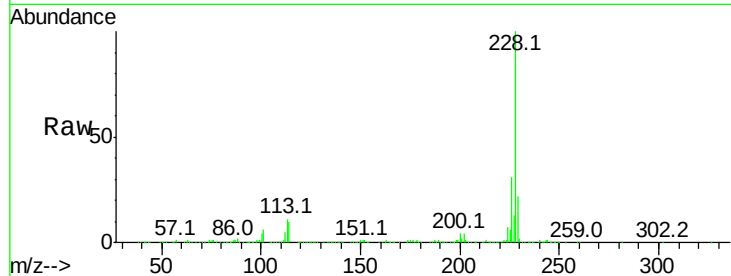
#82  
Chrysene  
Concen: 15.25 ng/ml  
RT: 14.00 min Scan# 1060  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampled :  
CTMIX-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 371461 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.2  | 24.9  | 37.3   |
| 229       | 22.0  | 15.8  | 23.6   |

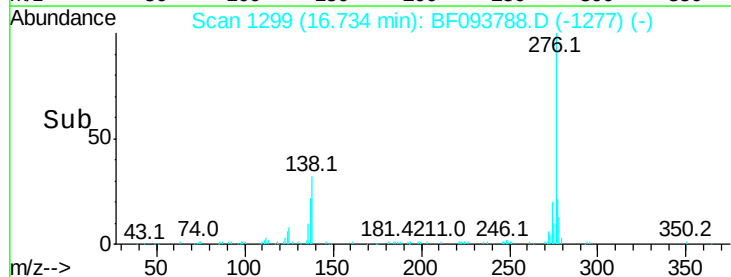
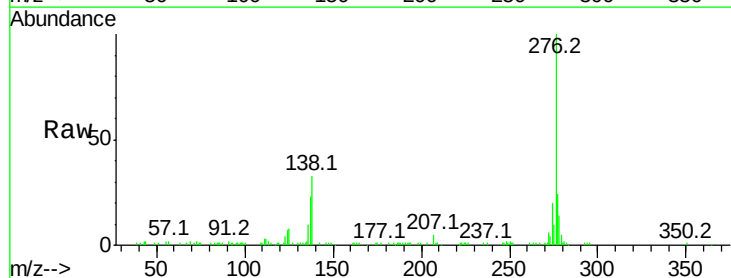
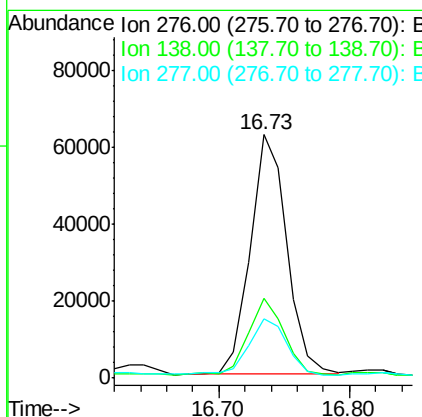
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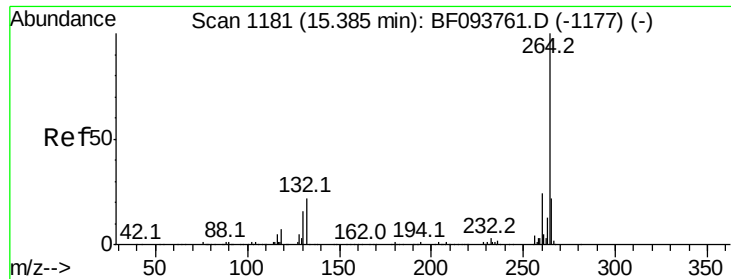


#85  
Indeno(1,2,3-cd)pyrene  
Concen: 6.09 ng/ml  
RT: 16.73 min Scan# 1299  
Delta R.T. -0.05 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 121384 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 32.5  | 27.8  | 41.6   |
| 277       | 25.3  | 20.2  | 30.4   |







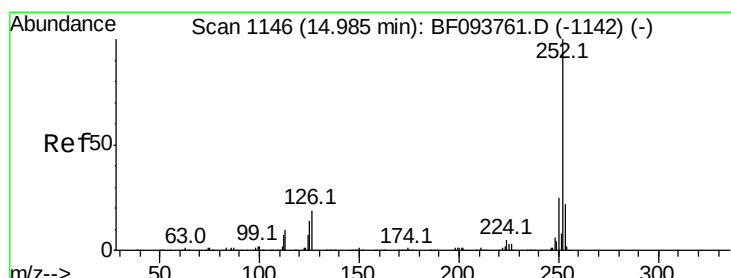
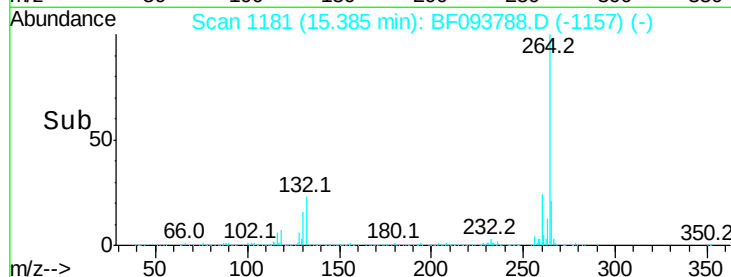
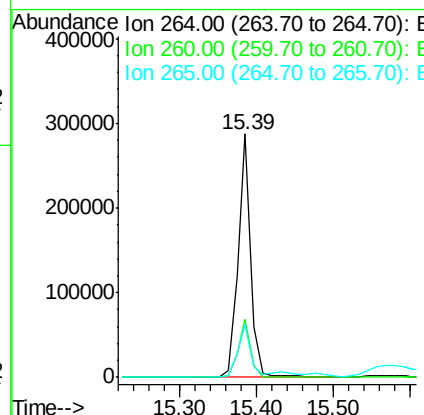
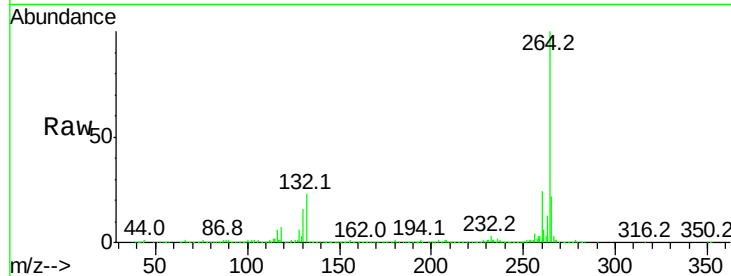
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.39 min Scan# 1181  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.5  | 29.3  |
| 265     | 21.5  | 17.2  | 25.8  |

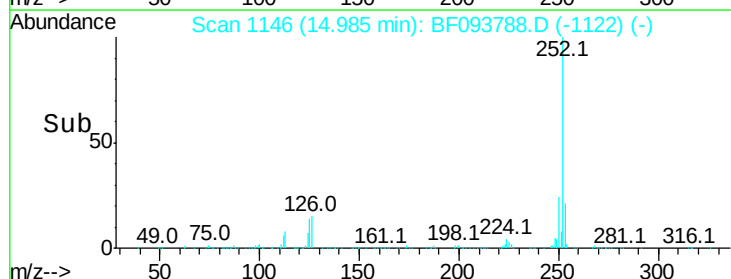
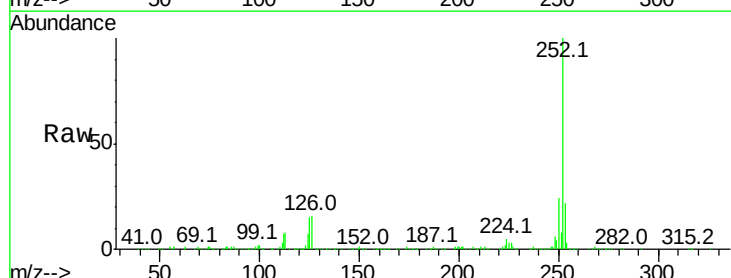
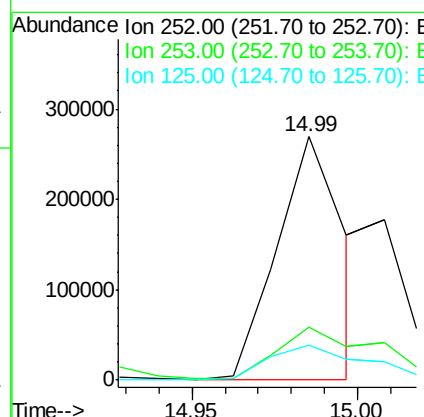
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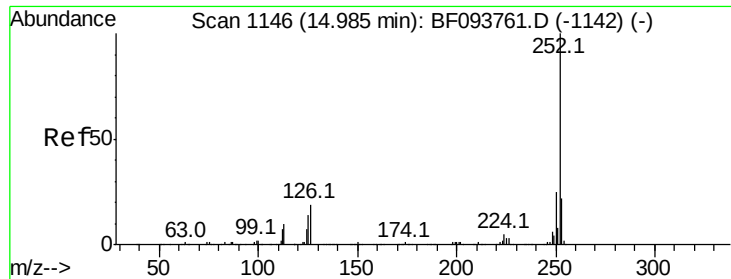
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#87  
Benzo(b)fluoranthene  
Concen: 16.76 ng m  
RT: 14.99 min Scan# 1146  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.1  | 27.1  |
| 125     | 14.6  | 9.8   | 14.8  |





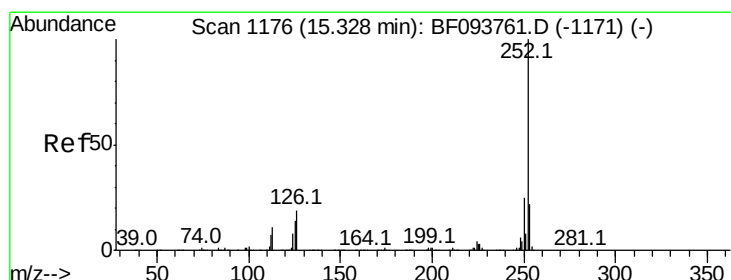
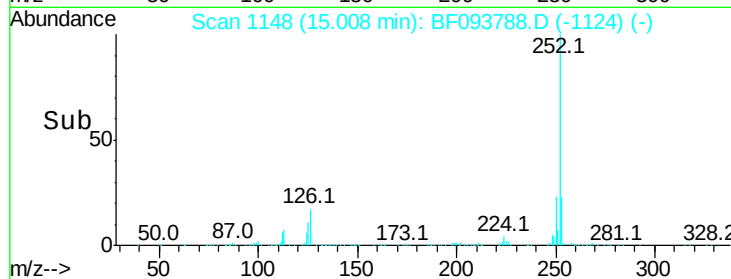
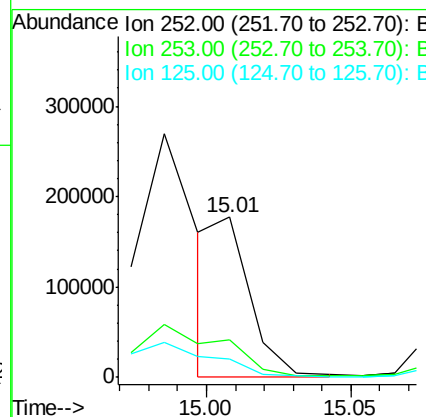
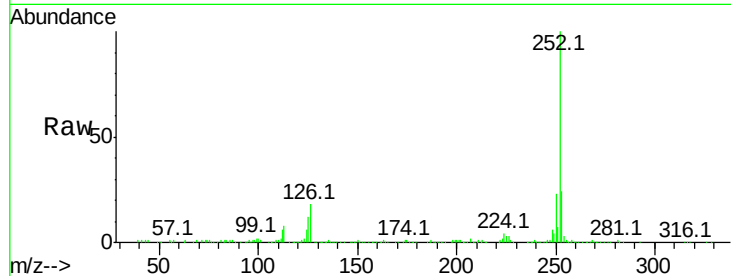
#88  
Benzo(k)fluoranthene  
Concen: 9.06 ng m  
RT: 15.01 min Scan# 1148  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 152821 |       |       |
| 253     | 23.6  | 18.4   | 27.6  |       |
| 125     | 11.8  | 13.1   | 19.7  |       |

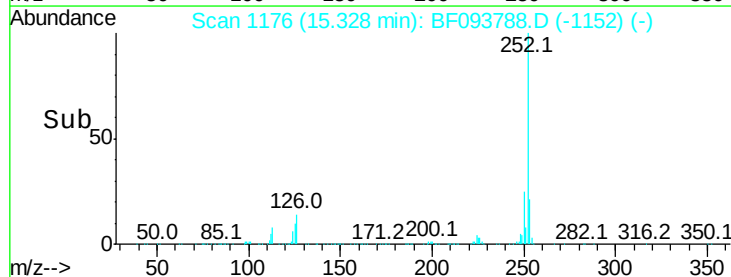
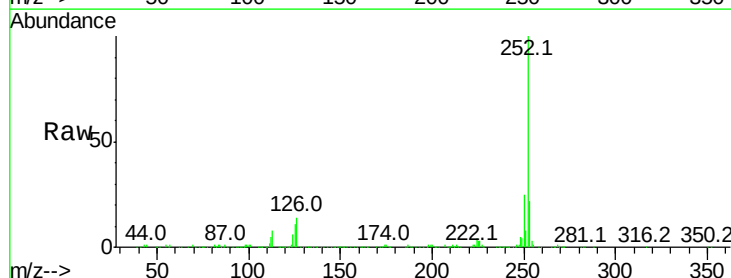
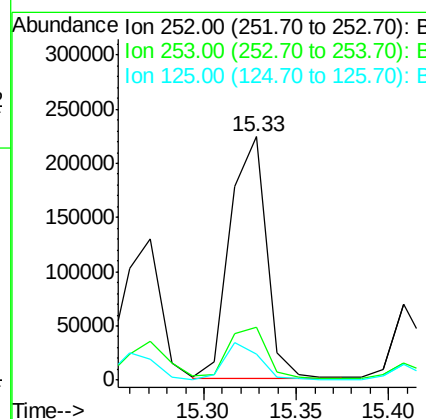
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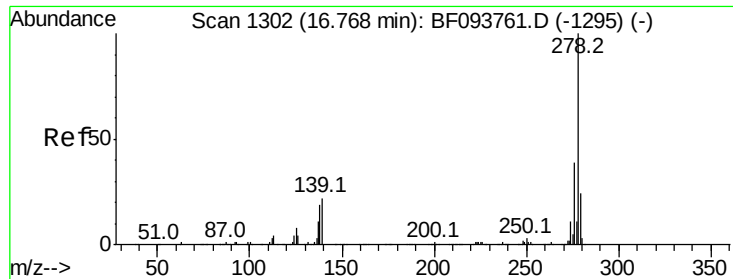
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#89  
Benzo(a)pyrene  
Concen: 16.60 ng m  
RT: 15.33 min Scan# 1176  
Delta R.T. -0.02 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 307381 |       |       |
| 253     | 22.0  | 17.5   | 26.3  |       |
| 125     | 10.8  | 11.0   | 16.4  |       |





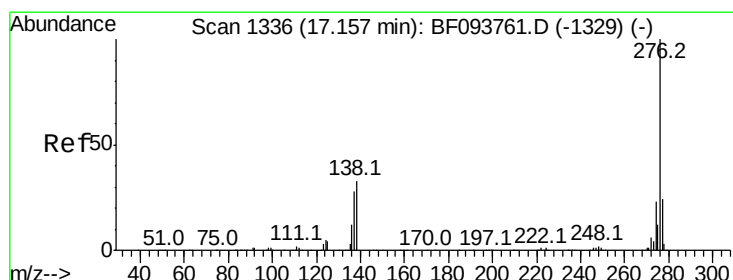
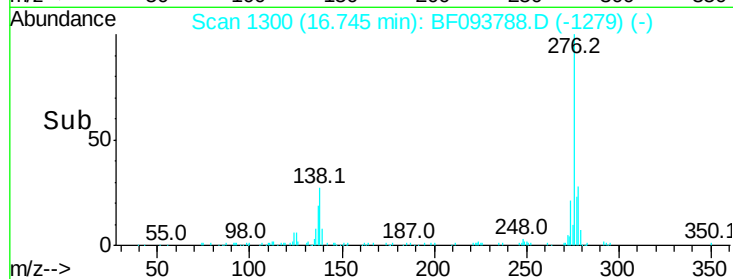
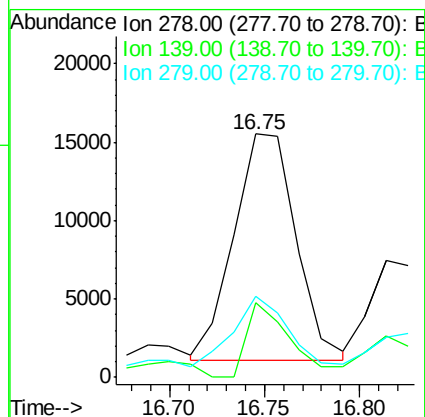
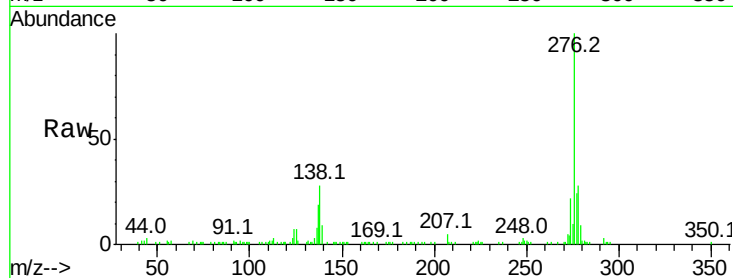
#90  
Dibenzo(a,h)anthracene  
Concen: 2.12 ng/ml  
RT: 16.75 min Scan# 1300  
Delta R.T. -0.06 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
CTMIX-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 30.7  | 16.6  | 24.8# |
| 279     | 33.1  | 19.3  | 28.9# |

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#91  
Benzo(g,h,i)perylene  
Concen: 7.08 ng/ml  
RT: 17.15 min Scan# 1335  
Delta R.T. -0.05 min  
Lab File: BF093788.D  
Acq: 21 Mar 2017 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.2  | 18.6  | 28.0  |
| 138     | 29.7  | 25.4  | 38.0  |

