

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030216\  
 Data File : BF085127.D  
 Acq On : 2 Mar 2016 18:55  
 Operator : SJ/IZ  
 Sample : H1640-15  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 03 01:45:18 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 02 13:25:39 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.00  | 152  | 154648   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.28  | 136  | 648791   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.04 | 164  | 294992   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.52 | 188  | 508678   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 340951   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.64 | 264  | 382798   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.60  | 112 | 664231  | 69.73  | ng | 0.01 |
| 7) Phenol-d6                | 6.61  | 99  | 521460  | 41.76  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.56  | 82  | 1186212 | 97.27  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330 | 500888  | 168.96 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.35  | 172 | 1742904 | 87.02  | ng | 0.00 |
| 78) Terphenyl-d14           | 13.10 | 244 | 1500136 | 103.21 | ng | 0.00 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.49  | 88  | 732    | 0.16  | ng | # 22   |
| 3) Pyridine                    | 3.40  | 79  | 221    | 0.02  | ng | # 1    |
| 6) Aniline                     | 6.76  | 93  | 1771   | 0.10  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.77  | 128 | 760    | 0.07  | ng | # 1    |
| 9) Benzaldehyde                | 6.76  | 77  | 24848  | 1.73  | ng | 82     |
| 10) Phenol                     | 6.76  | 94  | 2287   | 0.16  | ng | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.76  | 93  | 1771   | 0.16  | ng | # 1    |
| 15) Benzyl Alcohol             | 7.14  | 79  | 18704  | 2.05  | ng | # 50   |
| 17) 2-Methylphenol             | 7.14  | 107 | 221    | 0.02  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.56  | 70  | 166176 | 20.19 | ng | # 79   |
| 20) 3+4-Methylphenols          | 7.34  | 107 | 246    | 0.02  | ng | # 1    |
| 22) Acetophenone               | 7.40  | 105 | 13508  | 0.83  | ng | # 93   |
| 24) Nitrobenzene               | 7.56  | 77  | 3675   | 0.29  | ng | # 41   |
| 31) Naphthalene                | 8.30  | 128 | 325    | 0.01  | ng | # 67   |
| 33) 4-Chloroaniline            | 8.38  | 127 | 473    | 0.04  | ng | # 1    |
| 45) 1,1'-Biphenyl              | 9.35  | 154 | 3554   | 0.14  | ng | # 1    |
| 47) 2-Nitroaniline             | 9.35  | 65  | 3029   | 0.51  | ng | # 1    |
| 50) 2,6-Dinitrotoluene         | 10.04 | 165 | 36766  | 8.11  | ng | # 22   |
| 51) Acenaphthene               | 10.04 | 154 | 1191   | 0.07  | ng | # 4    |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165 | 36769  | 6.02  | ng | # 19   |
| 57) Fluorene                   | 10.82 | 166 | 20269  | 1.11  | ng | # 93   |
| 59) Diethylphthalate           | 10.45 | 149 | 1625   | 0.08  | ng | # 81   |
| 62) Azobenzene                 | 10.74 | 77  | 766    | 0.04  | ng | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 10.82 | 198 | 1193   | 7.54  | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.82 | 169 | 13607  | 0.85  | ng | # 45   |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248 | 32244  | 6.04  | ng | # 1    |
| 70) Phenanthrene               | 11.53 | 178 | 694    | 0.03  | ng | # 58   |
| 71) Anthracene                 | 11.59 | 178 | 218    | 0.01  | ng | # 58   |
| 73) Di-n-butylphthalate        | 12.07 | 149 | 3059   | 0.10  | ng | # 92   |
| 74) Fluoranthene               | 12.95 | 202 | 943    | 0.03  | ng | # 62   |
| 77) Pyrene                     | 12.95 | 202 | 943    | 0.04  | ng | # 54   |
| 79) Butylbenzylphthalate       | 13.57 | 149 | 209    | 0.02  | ng | # 1    |
| 80) Benzo(a)anthracene         | 14.15 | 228 | 875    | 0.04  | ng | # 48   |
| 82) Chrysene                   | 14.15 | 228 | 875    | 0.05  | ng | # 46   |

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Instrument :  
BNA\_F  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 02 13:25:39 2016  
Response via : Initial Calibration

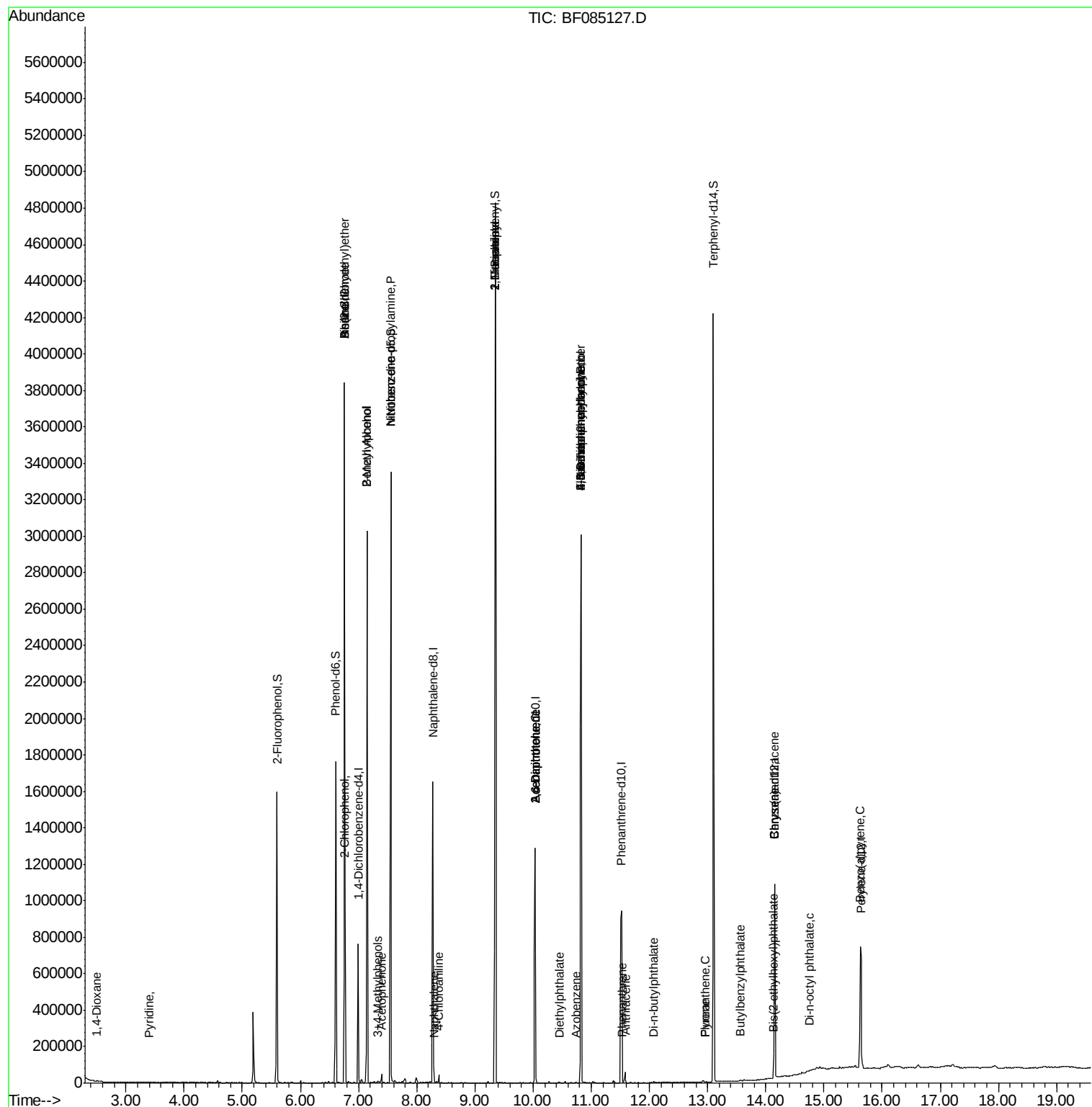
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 83) Bis(2-ethylhexyl)phthalate | 14.13 | 149  | 1958     | 0.17 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.75 | 149  | 324      | 0.02 | ng    | # 1      |
| 89) Benzo(a)pyrene             | 15.63 | 252  | 1339     | 0.07 | ng    | # 30     |

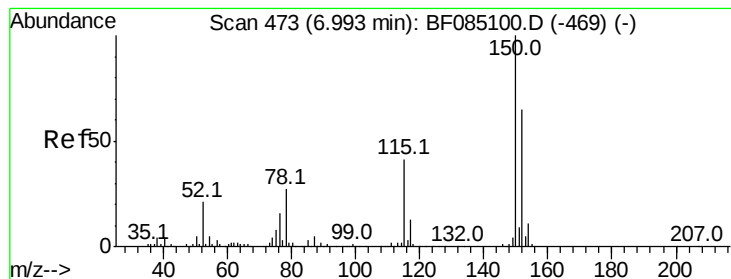
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampled :

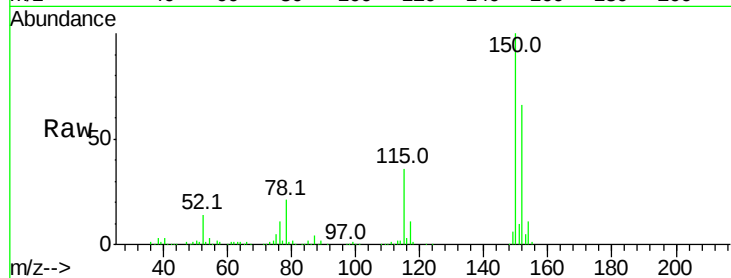
Tot Ion:152 Resp: 154648

Ion Ratio Lower Upper

152 100

150 151.7 123.4 185.0

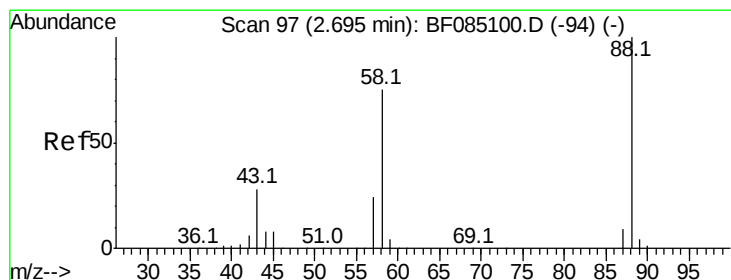
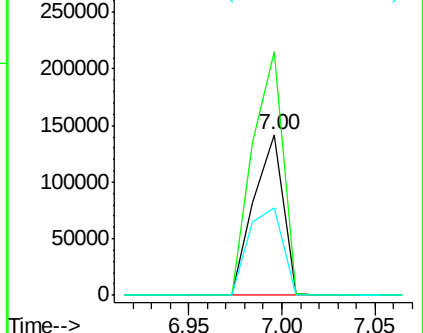
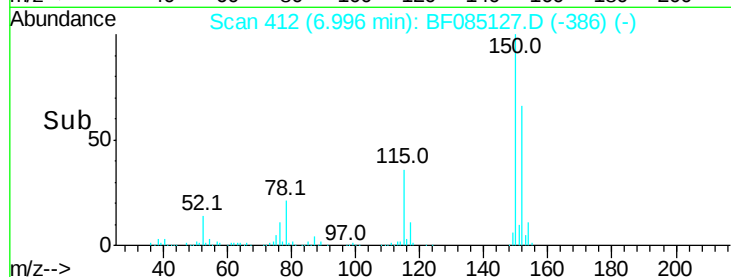
115 54.5 50.0 75.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.16 ng

RT: 2.49 min Scan# 18

Delta R.T. -0.20 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

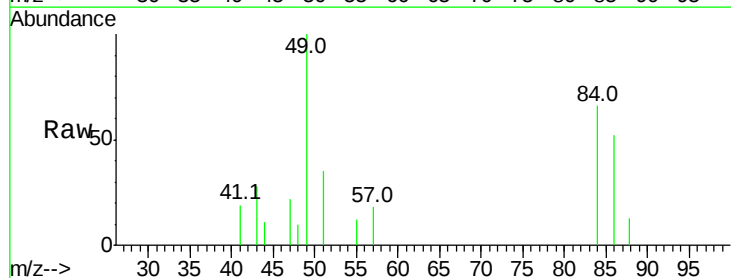
Tgt Ion: 88 Resp: 732

Ion Ratio Lower Upper

88 100

58 0.0 58.4 87.6#

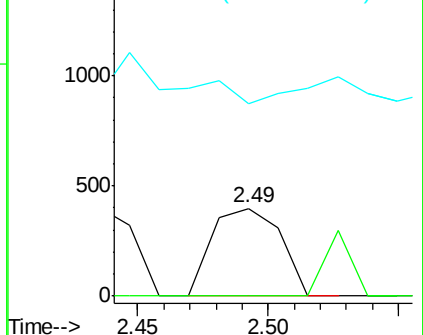
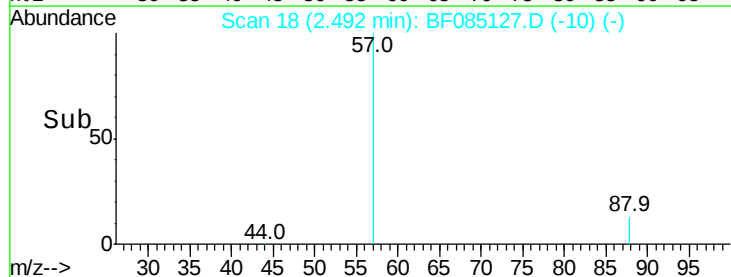
43 0.0 22.2 33.4#

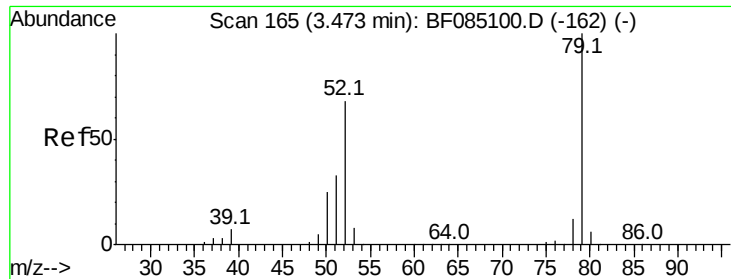


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

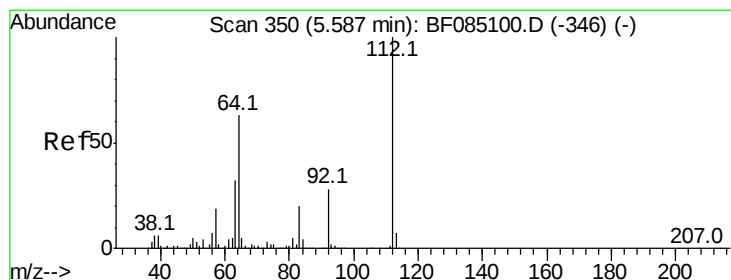
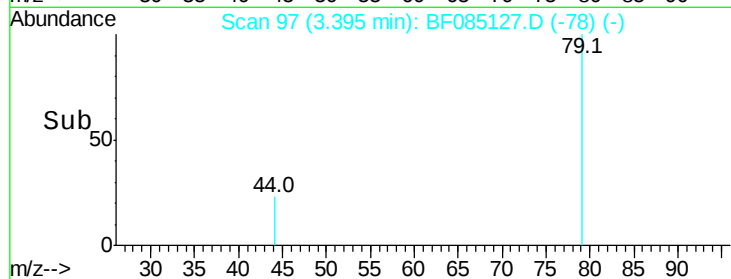
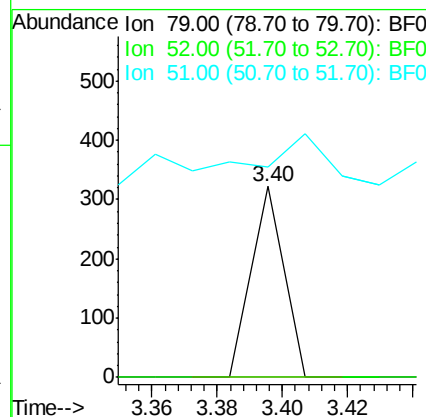
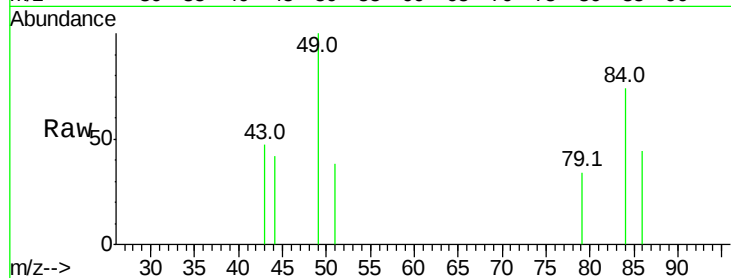




#3  
 Pvridine  
 Concen: 0.02 ng  
 RT: 3.40 min Scan# 97  
 Delta R.T. -0.08 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

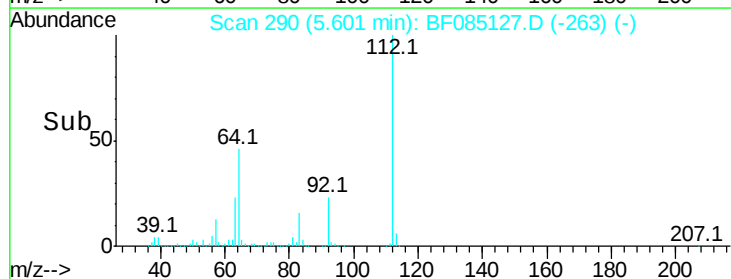
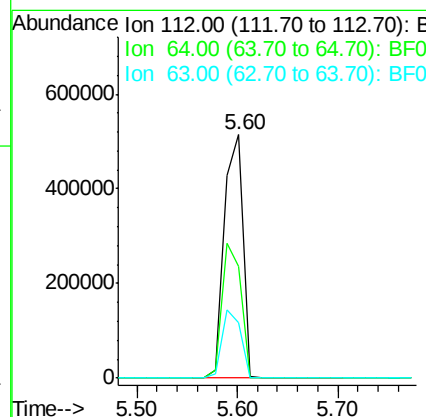
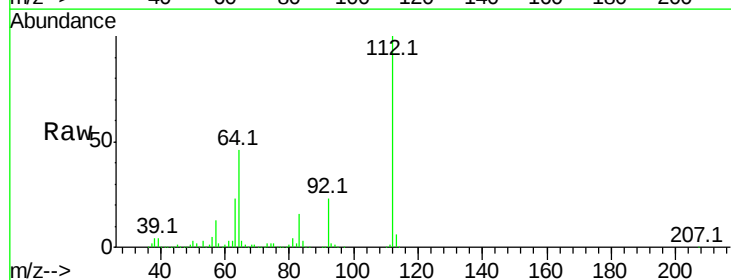
Instrument :  
 BNA\_F  
 ClientSampleId :

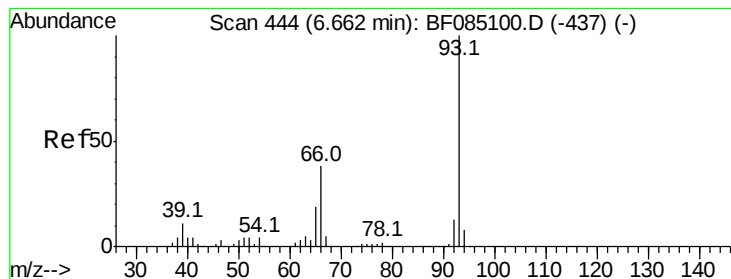
Tot Ion: 79 Resp: 221  
 Ion Ratio Lower Upper  
 79 100  
 52 0.0 54.1 81.1#  
 51 109.9 26.6 40.0#



#5  
 2-Fluorophenol  
 Concen: 69.73 ng  
 RT: 5.60 min Scan# 290  
 Delta R.T. 0.01 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

Tgt Ion: 112 Resp: 664231  
 Ion Ratio Lower Upper  
 112 100  
 64 45.8 50.6 76.0#  
 63 22.8 25.5 38.3#





#6

Aniline

Concen: 0.10 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.09 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

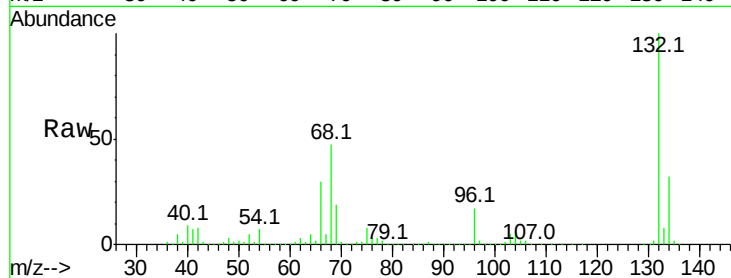
Tot Ion: 93 Resp: 1771

Ion Ratio Lower Upper

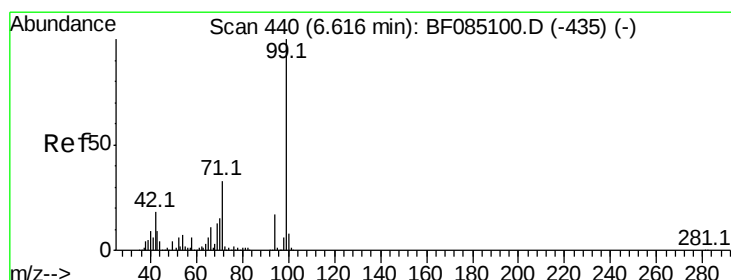
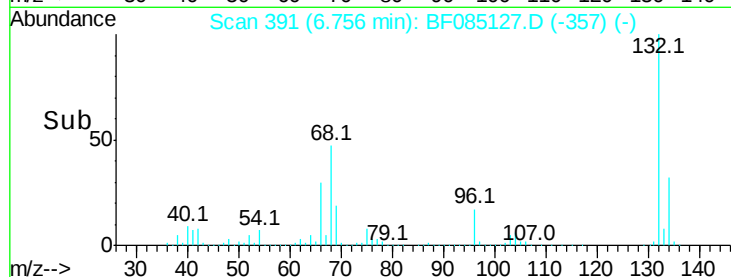
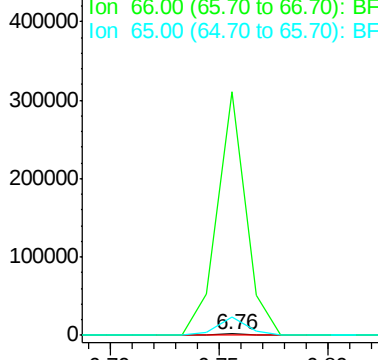
93 100

66 18900.2 30.1 45.1#

65 1428.2 15.0 22.6#



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: 41.76 ng

RT: 6.61 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

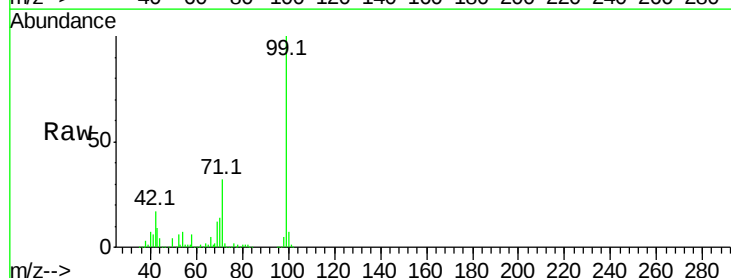
Tgt Ion: 99 Resp: 521460

Ion Ratio Lower Upper

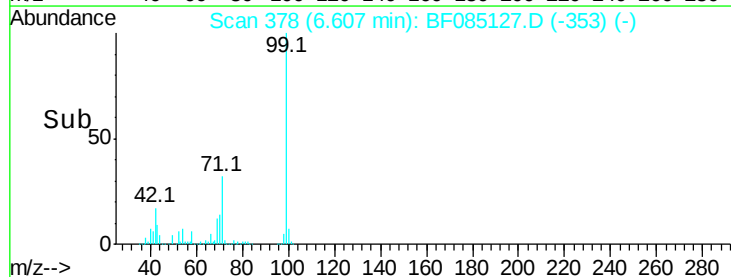
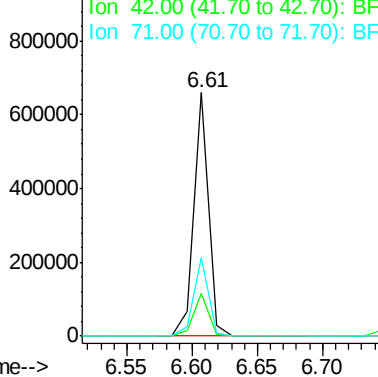
99 100

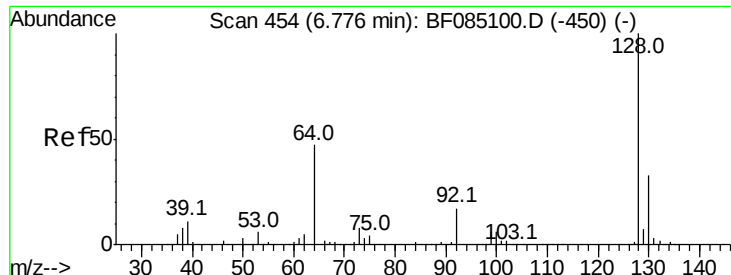
42 17.4 14.1 21.1

71 32.5 26.8 40.2



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.07 ng

RT: 6.77 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

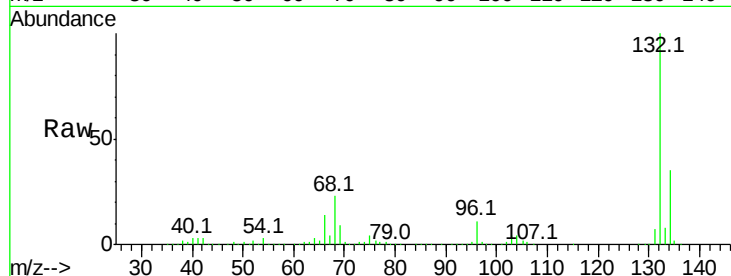
Tot Ion:128 Resp: 760

Ion Ratio Lower Upper

128 100

130 135.8 13.1 53.1#

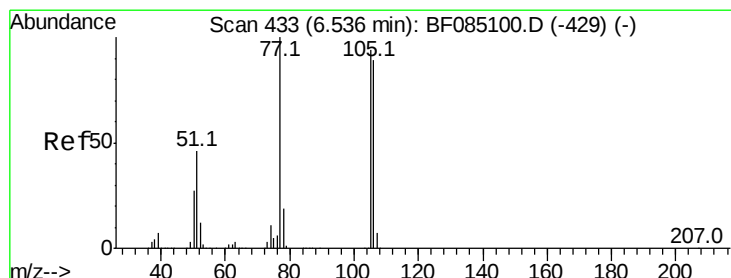
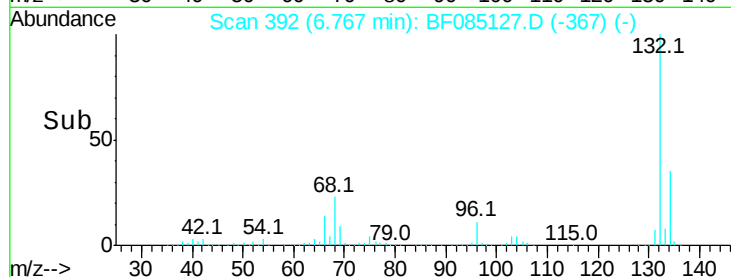
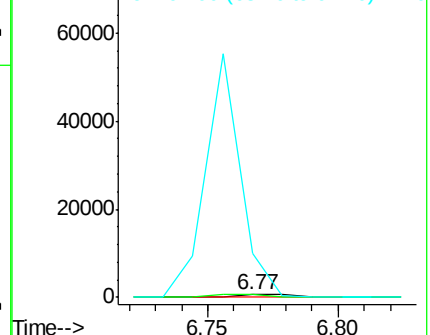
64 1738.3 29.6 69.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 1.73 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.22 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

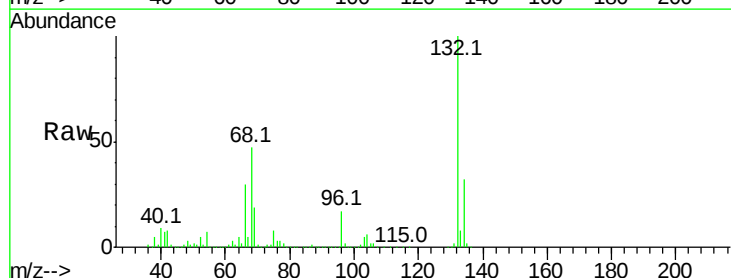
Tgt Ion: 77 Resp: 24848

Ion Ratio Lower Upper

77 100

105 79.0 73.7 113.7

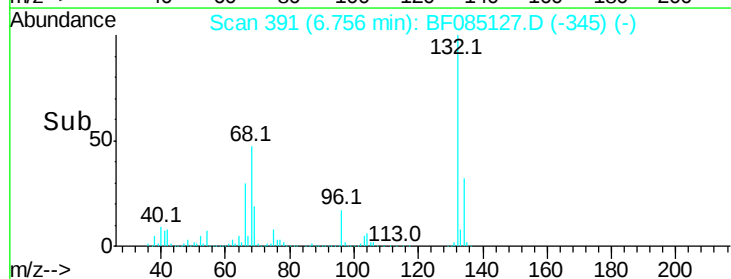
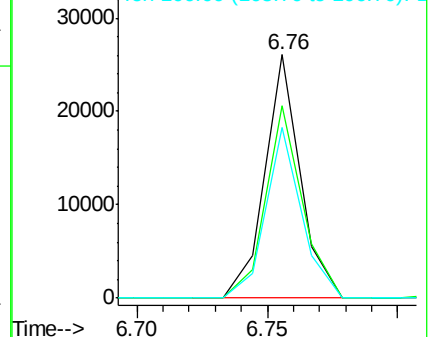
106 70.0 69.2 109.2

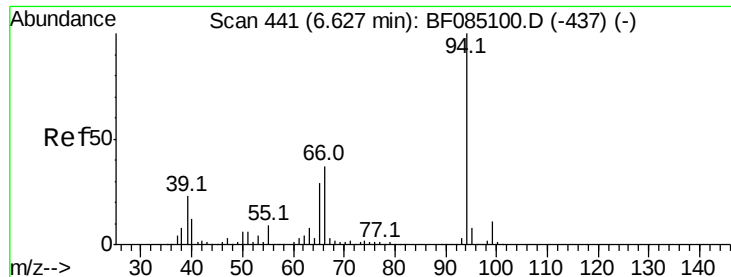


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.16 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.13 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampled :

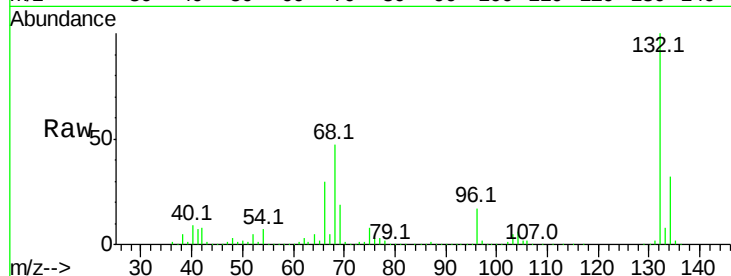
Tot Ion: 94 Resp: 2287

Ion Ratio Lower Upper

94 100

65 953.7 9.1 49.1#

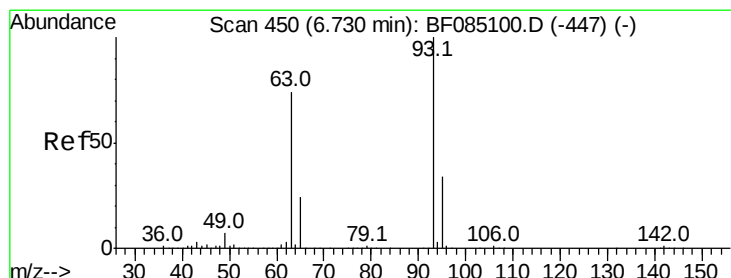
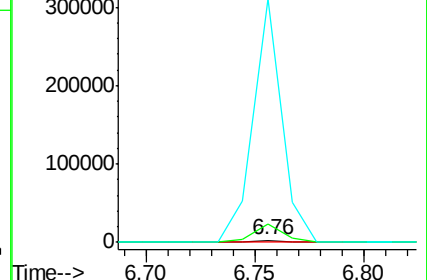
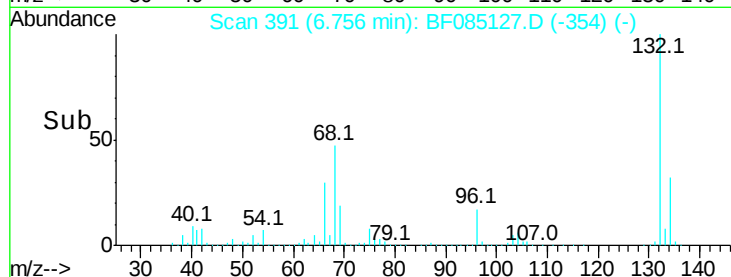
66 12620.6 17.5 57.5#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.16 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.03 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

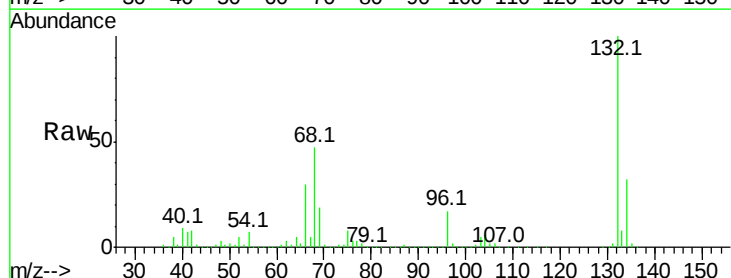
Tgt Ion: 93 Resp: 1771

Ion Ratio Lower Upper

93 100

63 726.5 53.9 93.9#

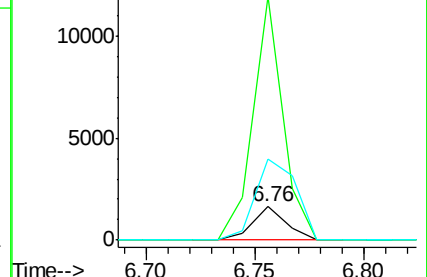
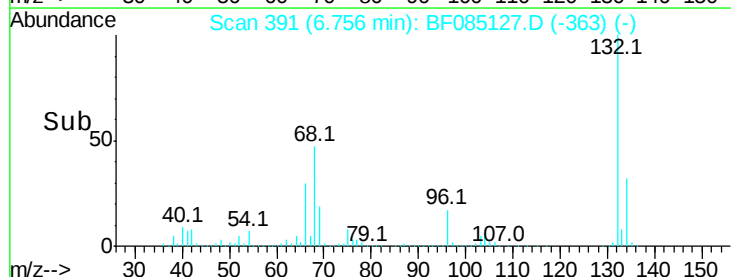
95 240.4 13.8 53.8#

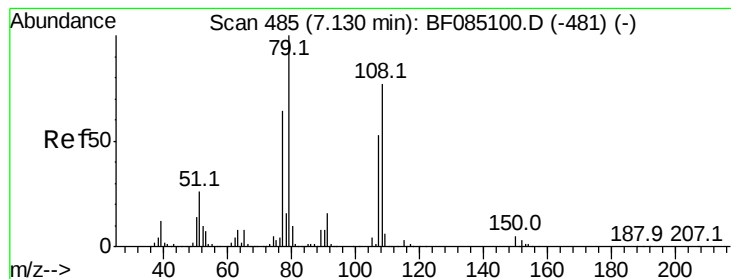


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.14 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

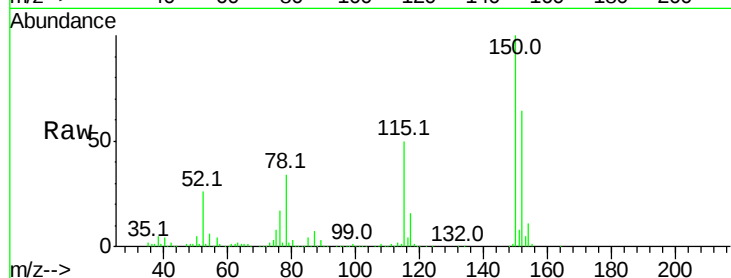
Tot Ion: 79 Resp: 18704

Ion Ratio Lower Upper

79 100

108 28.4 61.8 92.6#

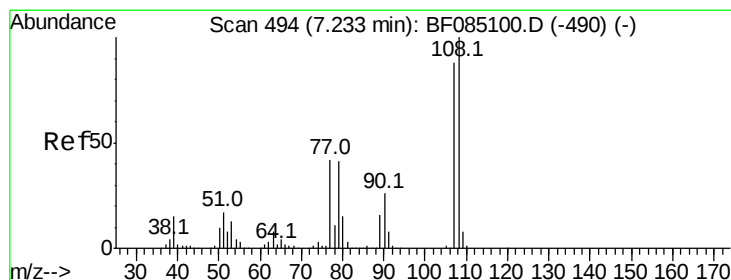
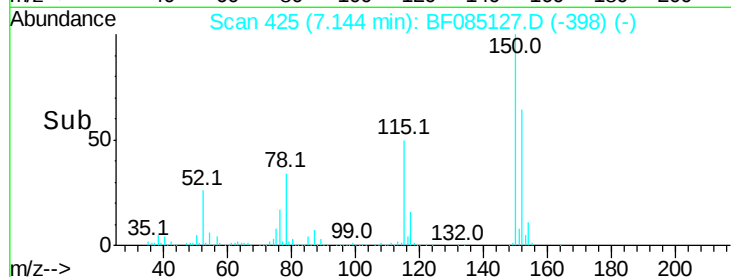
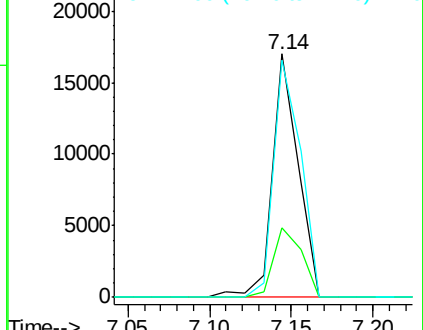
77 97.5 51.2 76.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 0.02 ng

RT: 7.14 min Scan# 425

Delta R.T. -0.09 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Tgt Ion: 107 Resp: 221

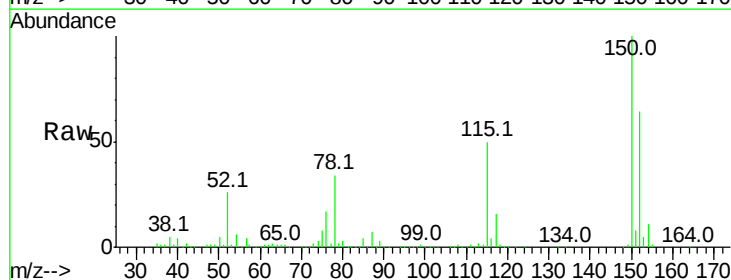
Ion Ratio Lower Upper

107 100

108 1499.7 91.4 137.2#

77 5147.8 38.7 58.1#

79 5282.0 37.8 56.6#

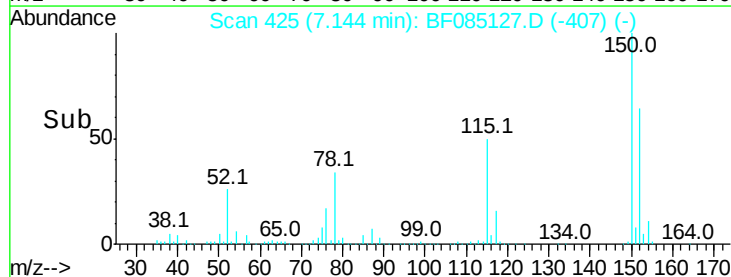
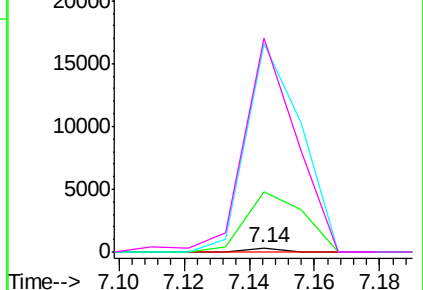


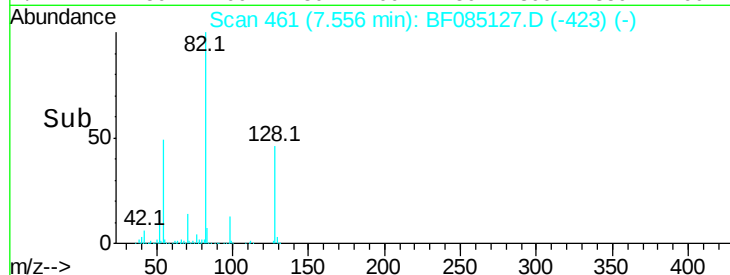
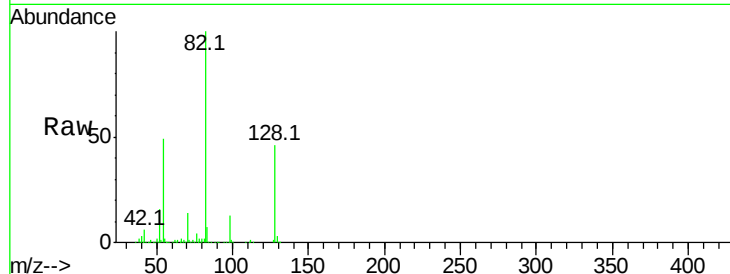
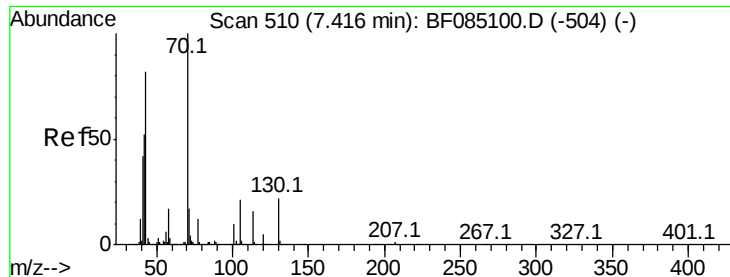
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

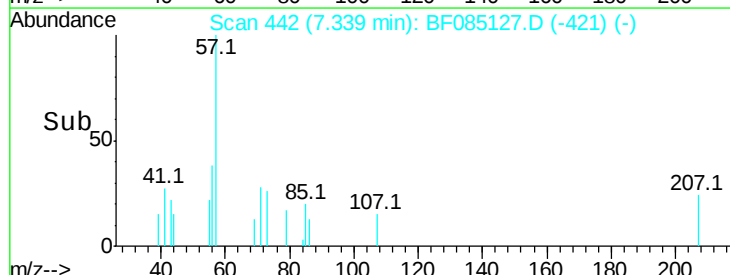
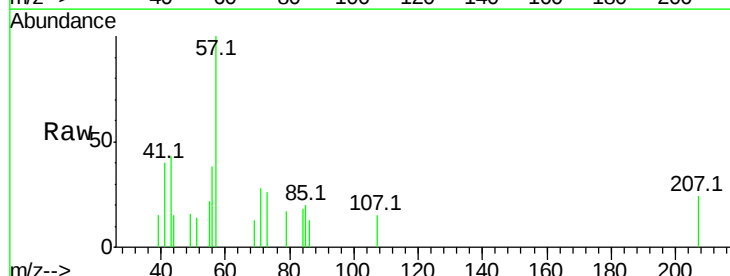
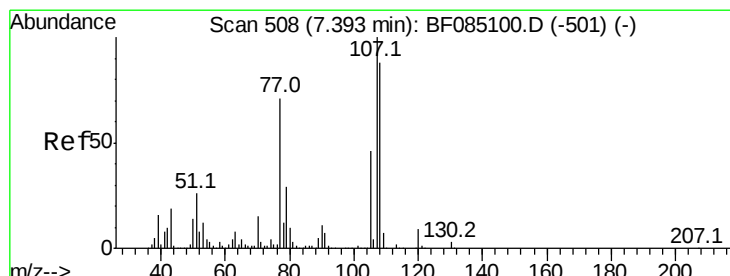
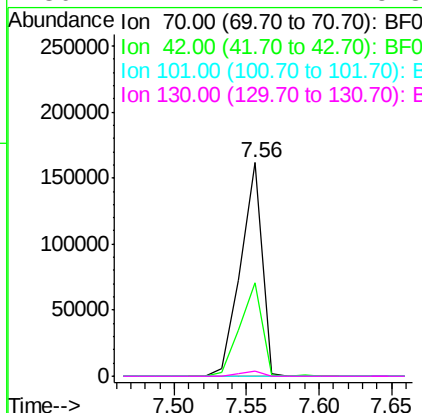




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.19 ng  
RT: 7.56 min Scan# 461  
Delta R.T. 0.14 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

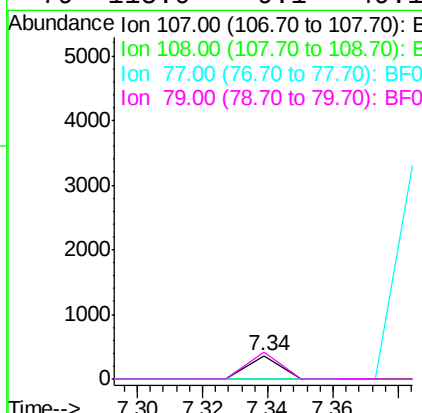
Instrument :  
BNA\_F  
ClientSampleID :

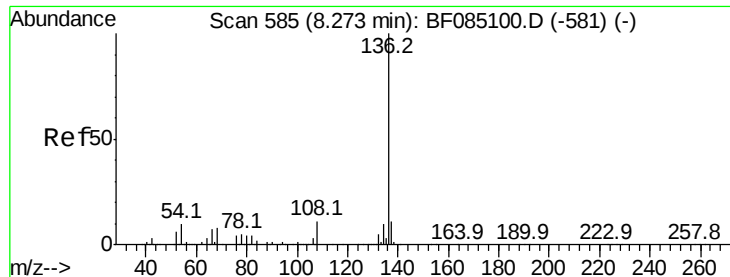
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 44.0  | 41.9  | 62.9  |
| 101     | 0.0   | 7.8   | 11.8# |
| 130     | 2.4   | 17.2  | 25.8# |



#20  
3+4-Methylphenols  
Concen: 0.02 ng  
RT: 7.34 min Scan# 442  
Delta R.T. -0.05 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 0.0   | 67.8  | 107.8# |
| 77      | 0.0   | 50.6  | 90.6#  |
| 79      | 115.0 | 9.1   | 49.1#  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085127.D

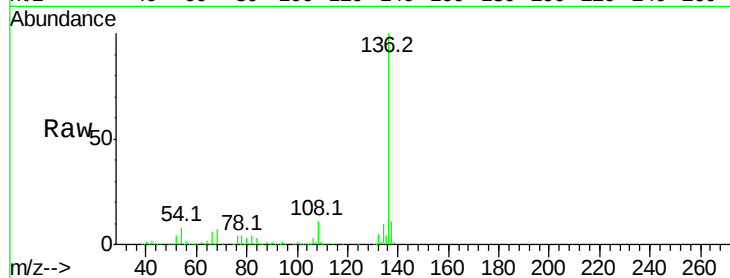
Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 648791 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.1   | 13.7   |
| 54       | 8.3   | 8.5   | 12.7#  |
| 68       | 6.6   | 6.4   | 9.6    |



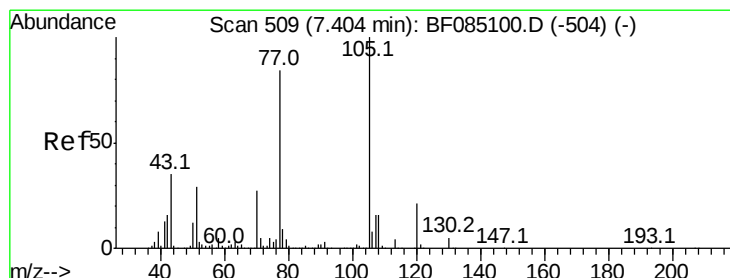
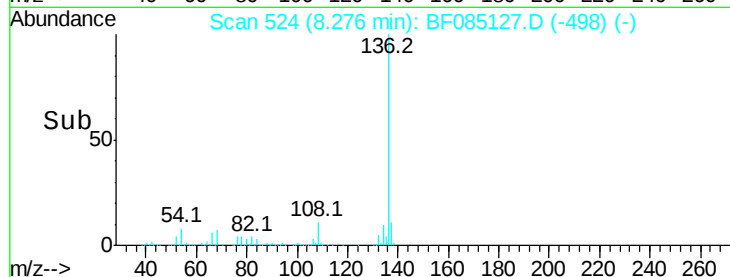
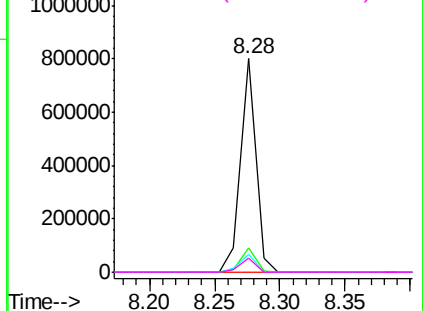
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.83 ng

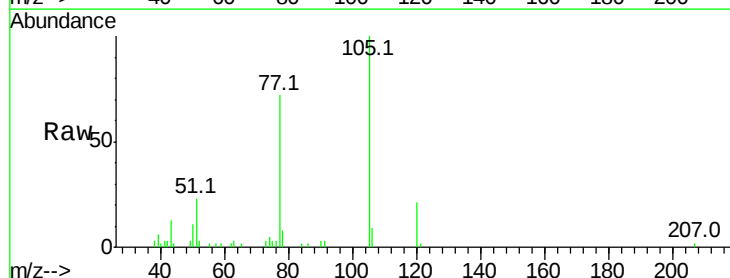
RT: 7.40 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 13508 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.0   | 3.8   | 5.6#  |
| 51       | 22.7  | 22.9  | 34.3# |
| 120      | 20.8  | 16.9  | 25.3  |



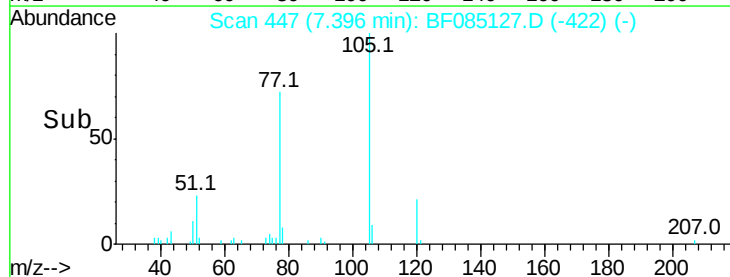
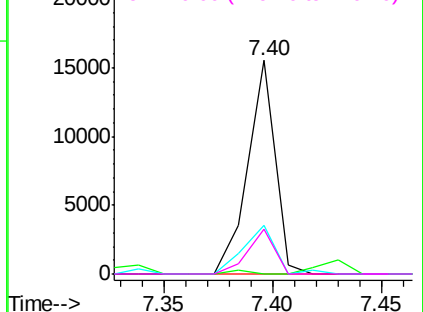
Abundance

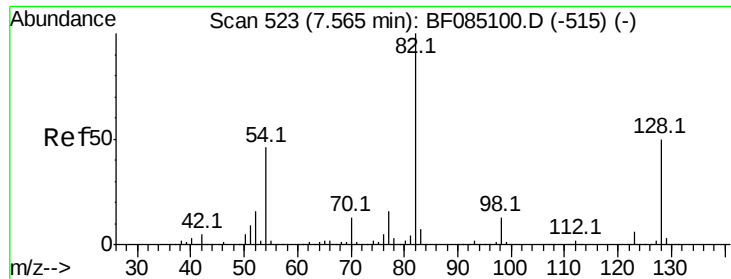
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



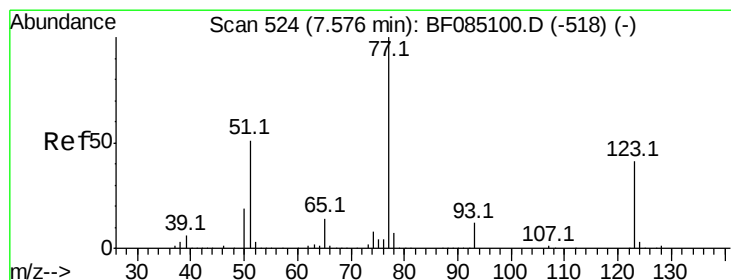
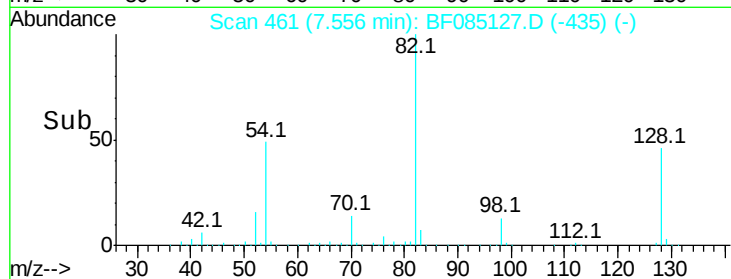
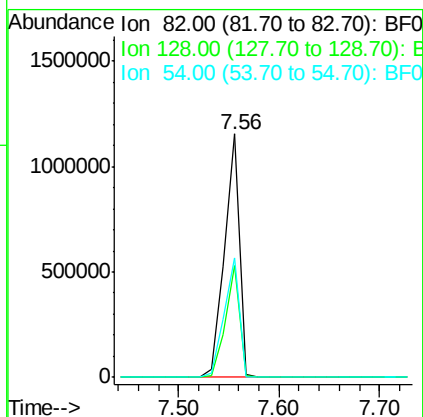
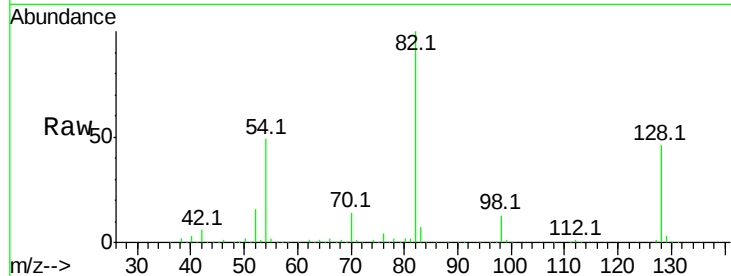


#23  
 Nitrobenzene-d5  
 Concen: 97.27 ng  
 RT: 7.56 min Scan# 461  
 Delta R.T. -0.01 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 1186212  

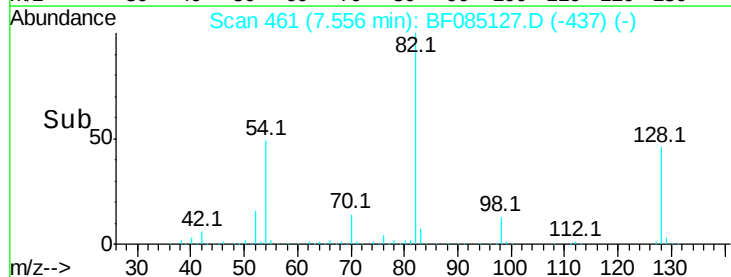
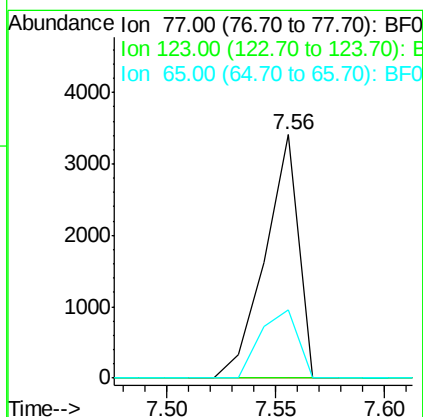
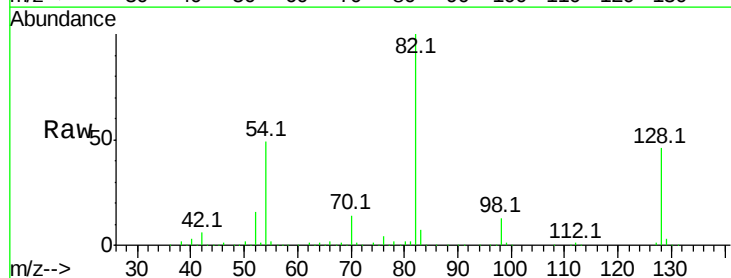
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.7  | 39.8  | 59.6  |
| 54  | 49.3  | 36.6  | 54.8  |

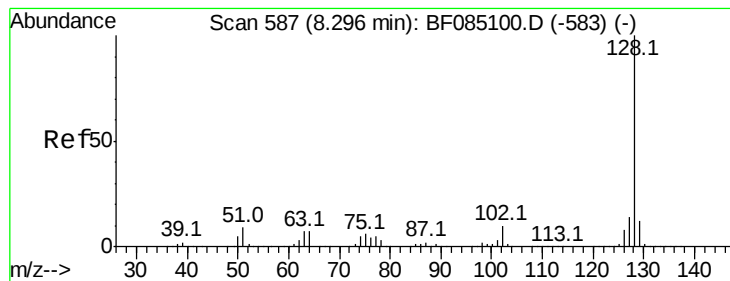


#24  
 Nitrobenzene  
 Concen: 0.29 ng  
 RT: 7.56 min Scan# 461  
 Delta R.T. -0.02 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

Tgt Ion: 77 Resp: 3675  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 0.0   | 33.4  | 50.2# |
| 65  | 28.0  | 10.9  | 16.3# |





#31

Naphthalene

Concen: 0.01 ng

RT: 8.30 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

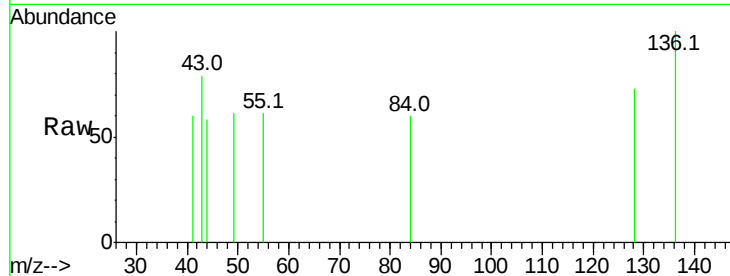
Tot Ion:128 Resp: 325

Ion Ratio Lower Upper

128 100

129 0.0 9.7 14.5#

127 0.0 11.1 16.7#



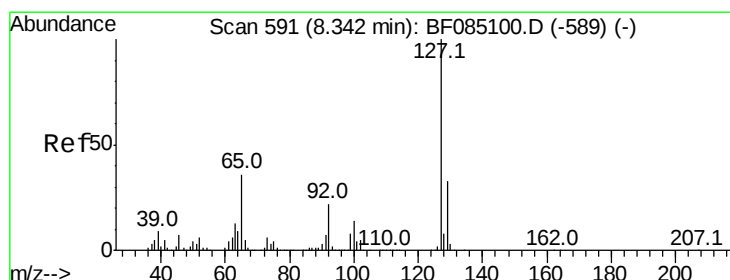
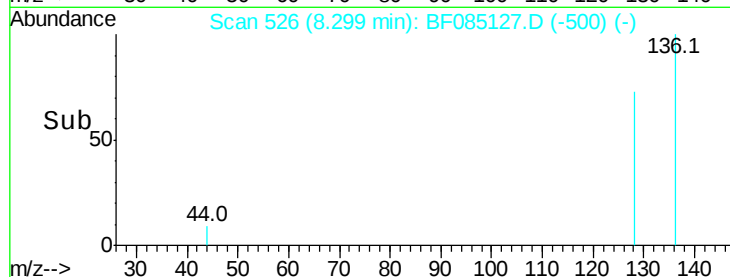
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

8.30

Time-->



#33

4-Chloroaniline

Concen: 0.04 ng

RT: 8.38 min Scan# 533

Delta R.T. 0.04 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Tgt Ion:127 Resp: 473

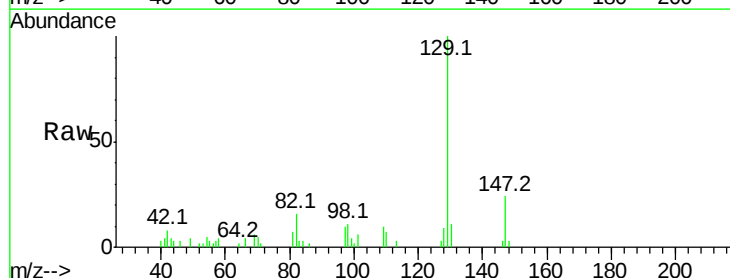
Ion Ratio Lower Upper

127 100

129 3878.1 26.3 39.5#

65 0.0 28.6 43.0#

92 0.0 17.8 26.8#



Abundance Ion 127.00 (126.70 to 127.70): E

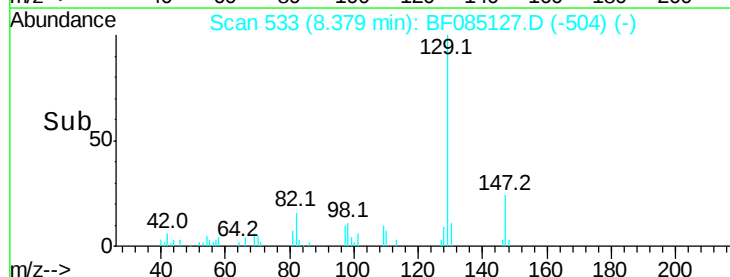
Ion 129.00 (128.70 to 129.70): E

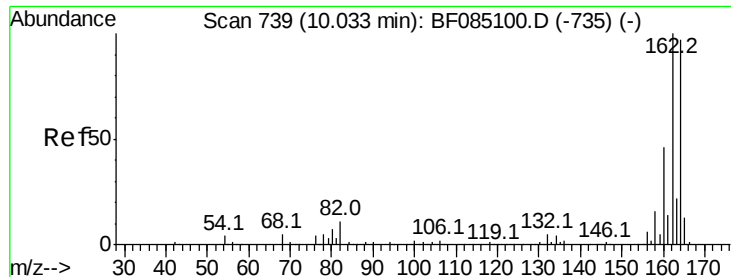
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

8.38

Time-->

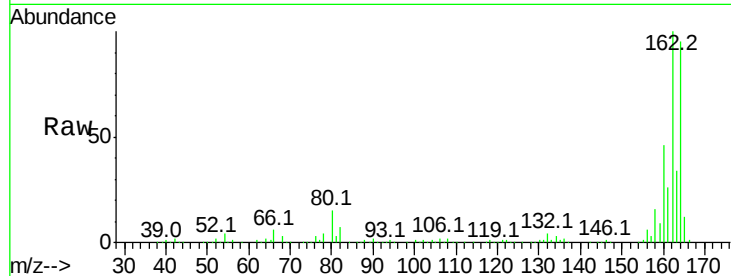




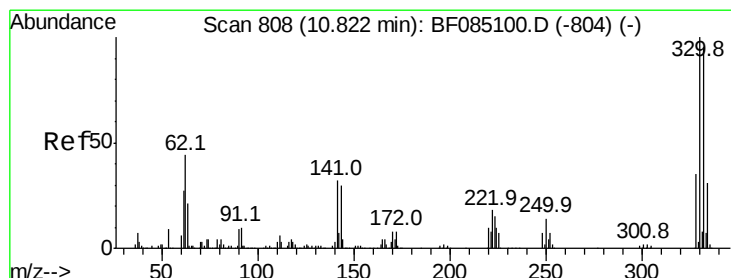
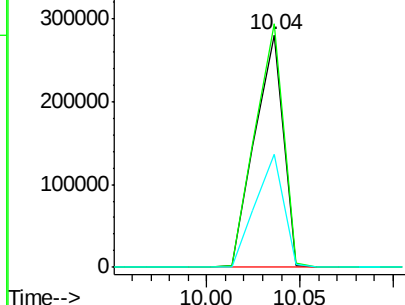
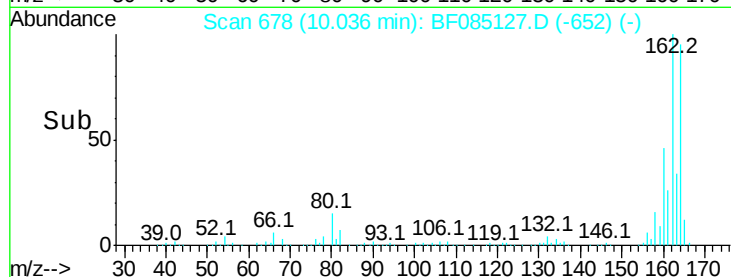
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.04 min Scan# 678  
Delta R.T. 0.00 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 294992  
Ion Ratio Lower Upper  
164 100  
162 104.8 82.6 123.8  
160 48.6 38.2 57.2

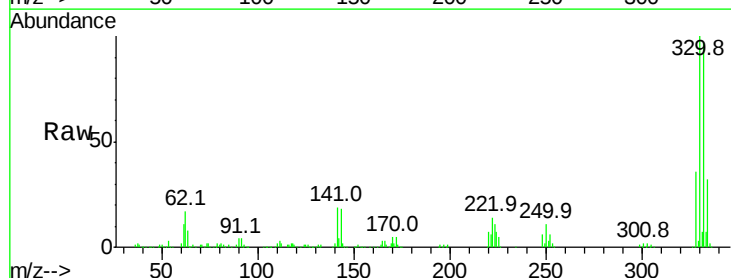


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

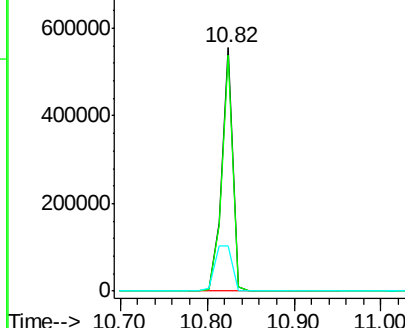
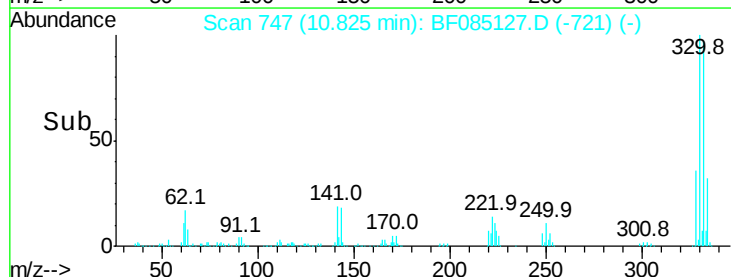


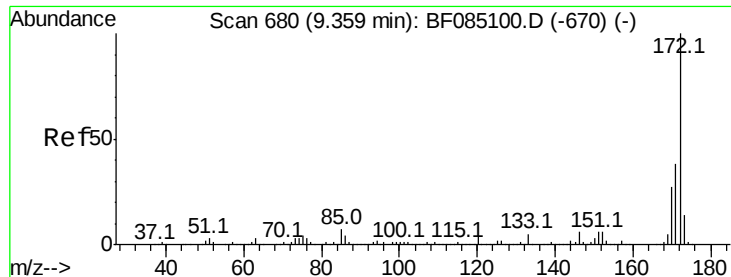
#41  
2,4,6-Tribromophenol  
Concen: 168.96 ng  
RT: 10.82 min Scan# 747  
Delta R.T. 0.00 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

Tgt Ion:330 Resp: 500888  
Ion Ratio Lower Upper  
330 100  
332 96.7 75.9 113.9  
141 29.3 28.9 43.3



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



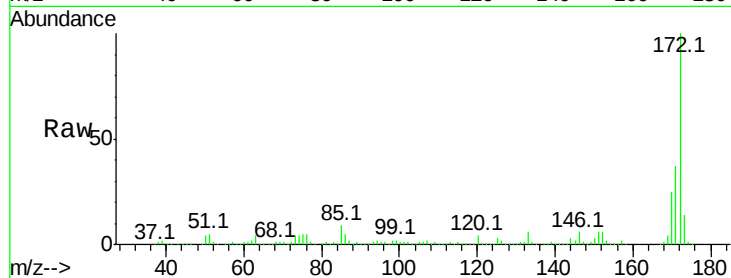


#44  
 2-Fluorobiphenyl  
 Concen: 87.02 ng  
 RT: 9.35 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

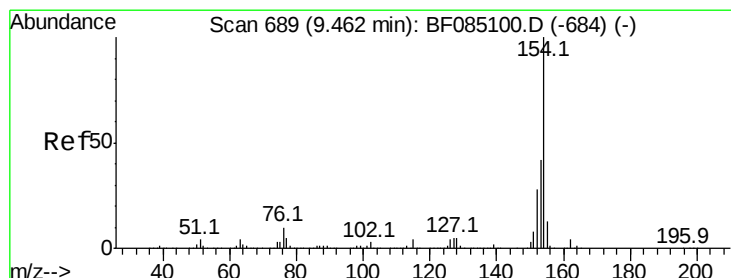
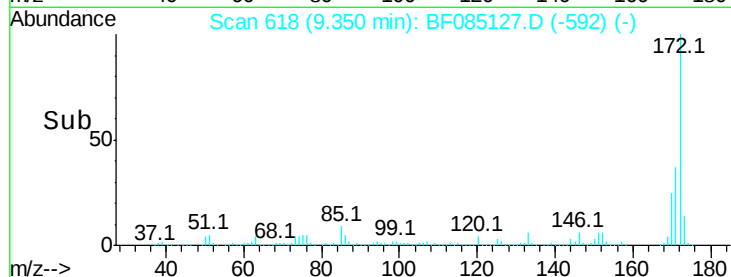
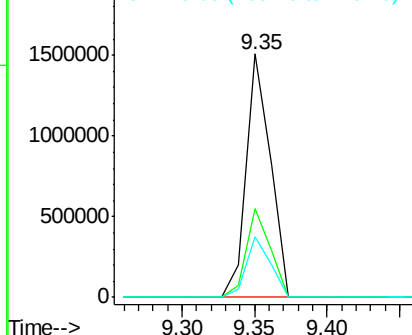
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1742904  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 30.5  | 45.7  |
| 170 | 25.0  | 21.2  | 31.8  |



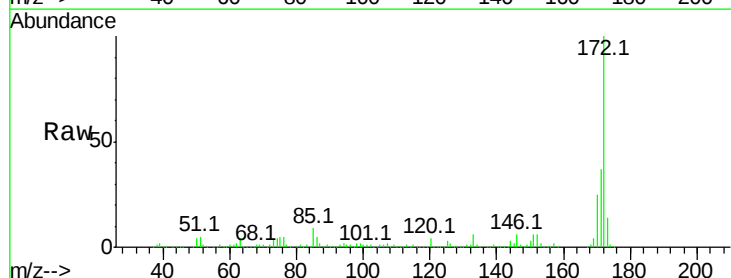
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



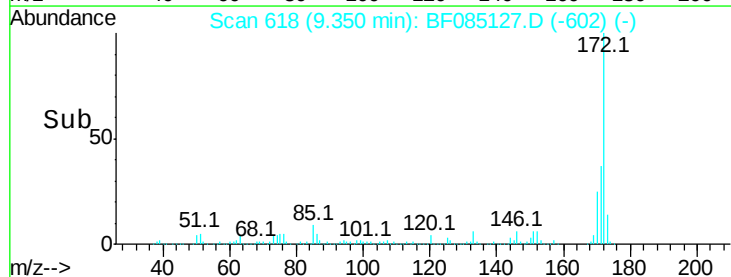
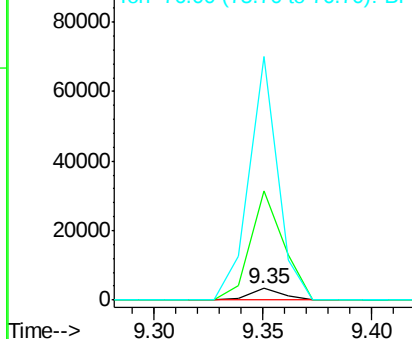
#45  
 1,1'-Biphenyl  
 Concen: 0.14 ng  
 RT: 9.35 min Scan# 618  
 Delta R.T. -0.11 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

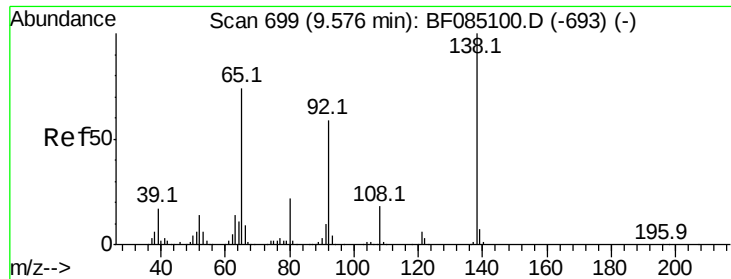
Tgt Ion:154 Resp: 3554  

| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 154 | 100    |       |       |
| 153 | 962.8  | 21.5  | 61.5# |
| 76  | 2141.4 | 0.0   | 29.7# |



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

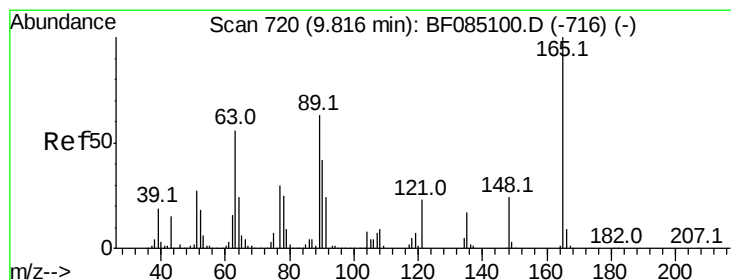
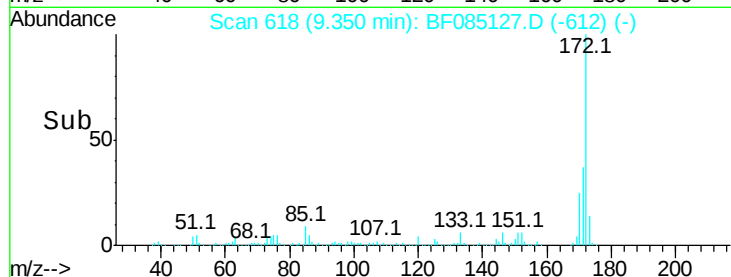
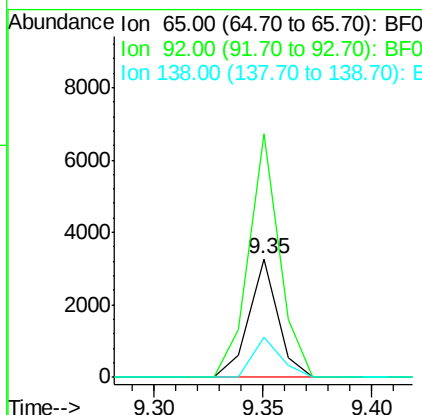
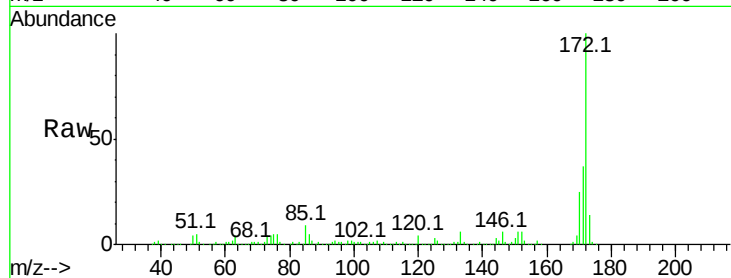




#47  
2-Nitroaniline  
Concen: 0.51 ng  
RT: 9.35 min Scan# 618  
Delta R.T. -0.23 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

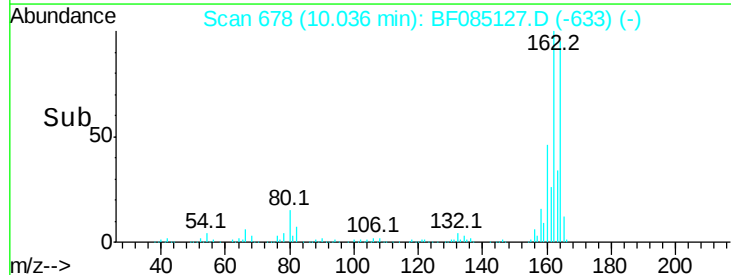
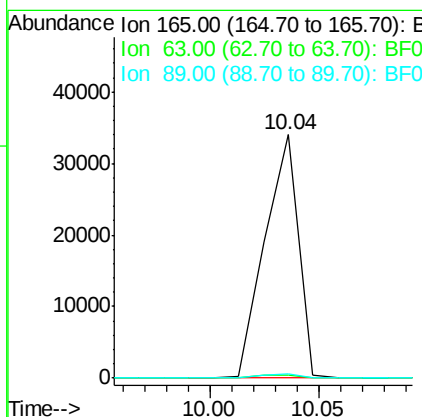
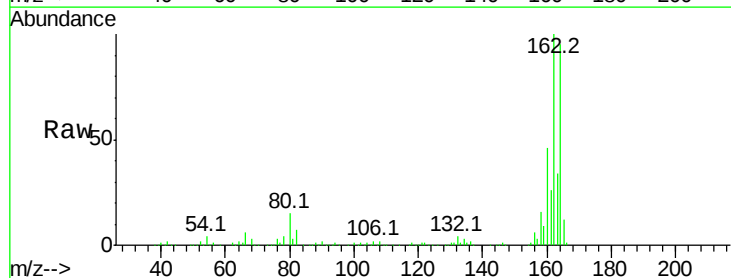
Instrument :  
BNA\_F  
ClientSampleId :

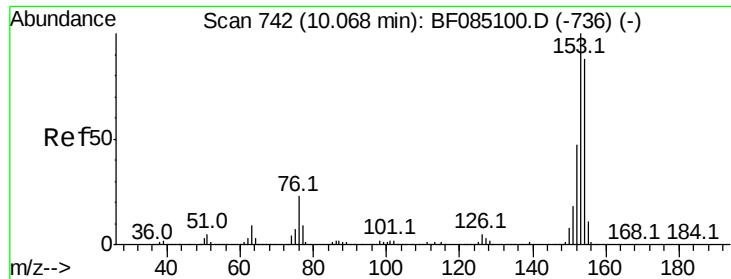
Tot Ion: 65 Resp: 3029  
Ion Ratio Lower Upper  
65 100  
92 205.6 63.8 95.6#  
138 33.8 108.5 162.7#



#50  
2,6-Dinitrotoluene  
Concen: 8.11 ng  
RT: 10.04 min Scan# 678  
Delta R.T. 0.22 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

Tgt Ion:165 Resp: 36766  
Ion Ratio Lower Upper  
165 100  
63 1.2 47.4 71.2#  
89 1.7 50.2 75.2#





#51

Acenaphthene

Concen: 0.07 ng

RT: 10.04 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

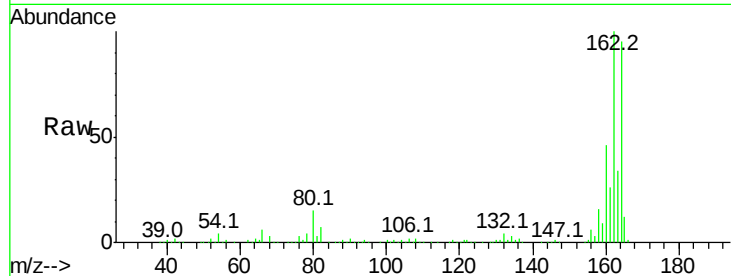
Tot Ion:154 Resp: 1191

Ion Ratio Lower Upper

154 100

153 0.0 91.0 136.6#

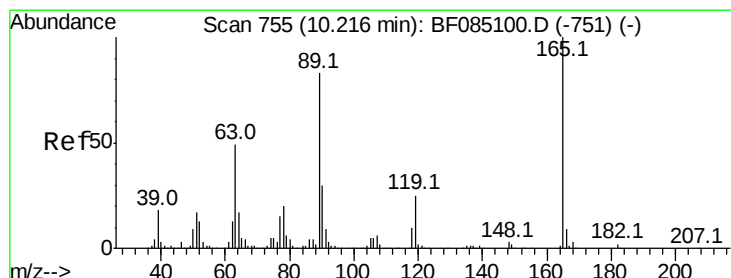
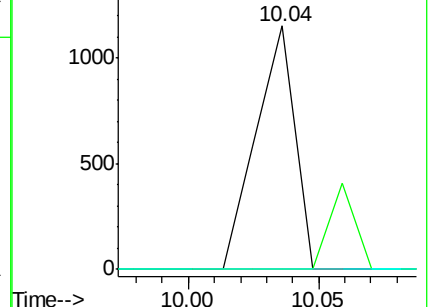
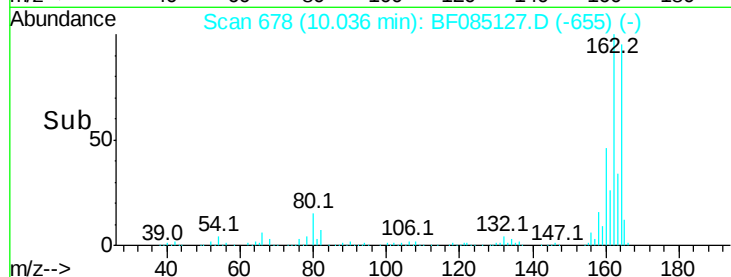
152 0.0 43.0 64.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.02 ng

RT: 10.04 min Scan# 678

Delta R.T. -0.18 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Tgt Ion:165 Resp: 36769

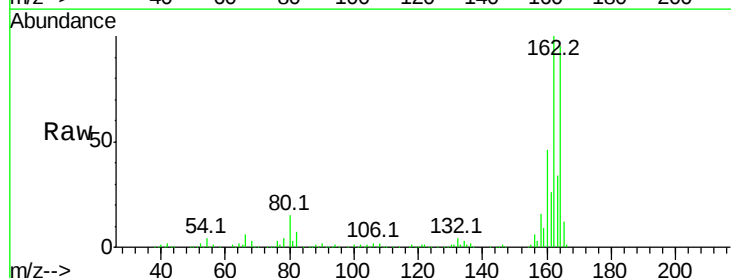
Ion Ratio Lower Upper

165 100

63 1.2 39.2 58.8#

89 1.7 66.2 99.4#

182 0.0 1.8 2.8#

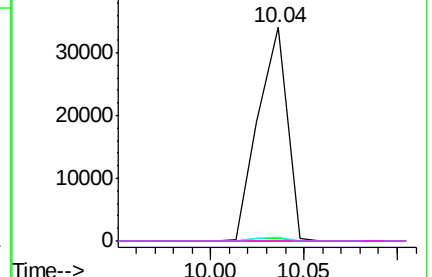
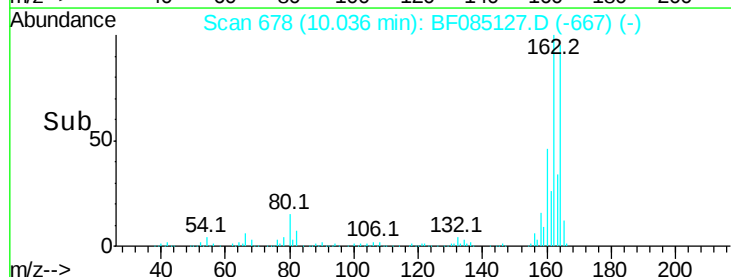


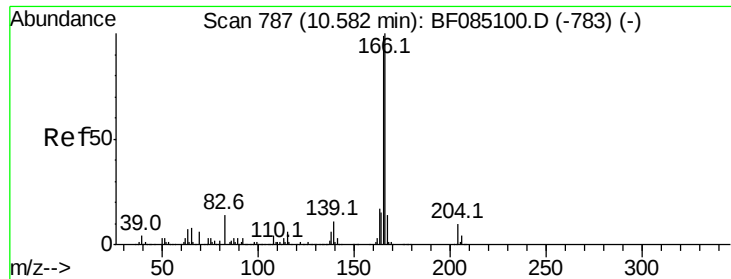
Abundance Ion 165.00 (164.70 to 165.70): E

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: 1.11 ng

RT: 10.82 min Scan# 747

Delta R.T. 0.24 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

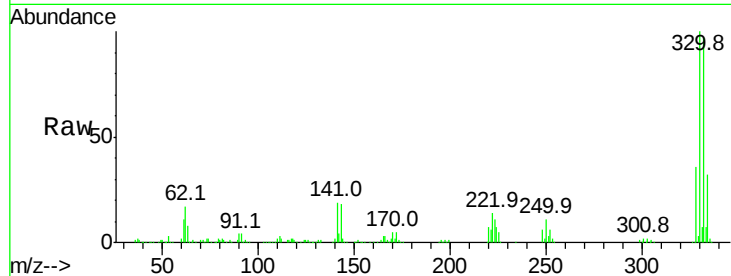
Tot Ion:166 Resp: 20269

Ion Ratio Lower Upper

166 100

165 100.5 79.4 119.2

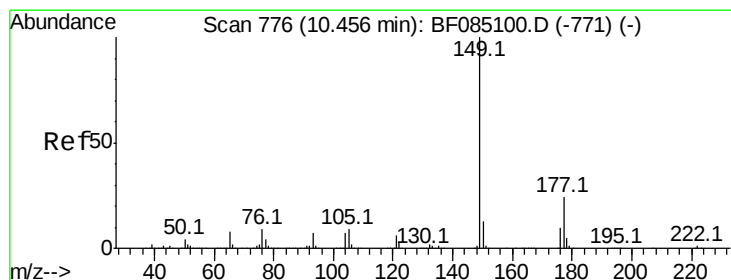
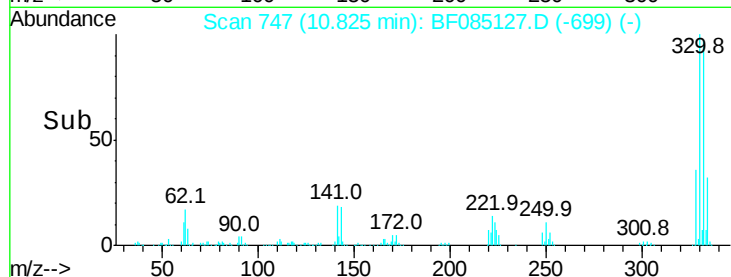
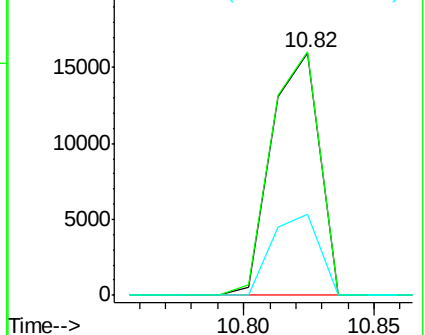
167 33.5 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.08 ng

RT: 10.45 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

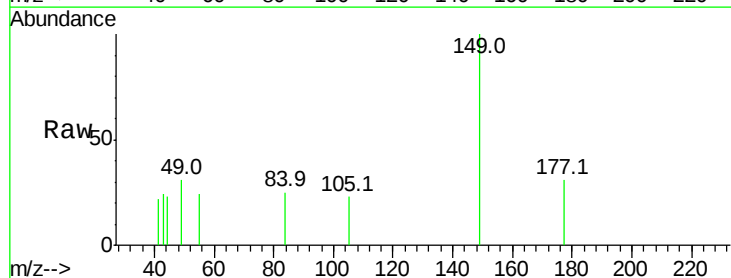
Tgt Ion:149 Resp: 1625

Ion Ratio Lower Upper

149 100

177 30.6 19.4 29.2#

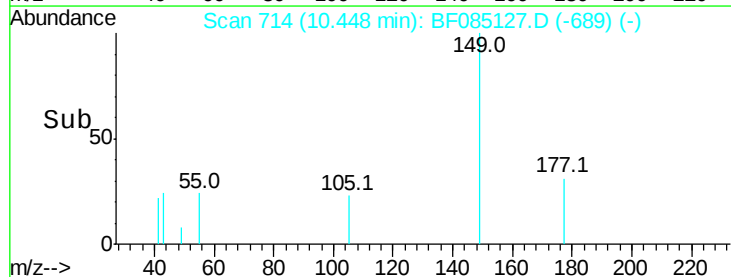
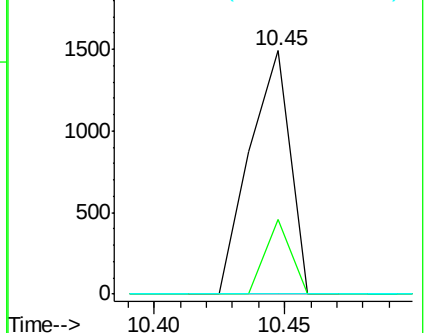
150 0.0 10.1 15.1#

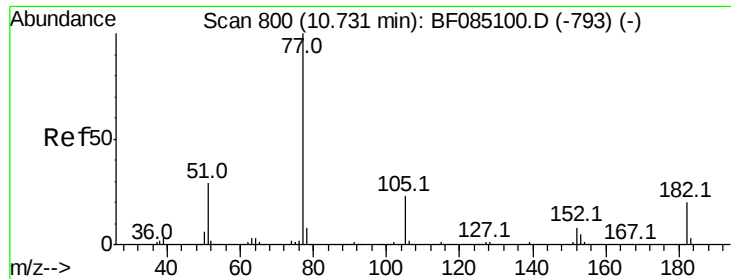


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

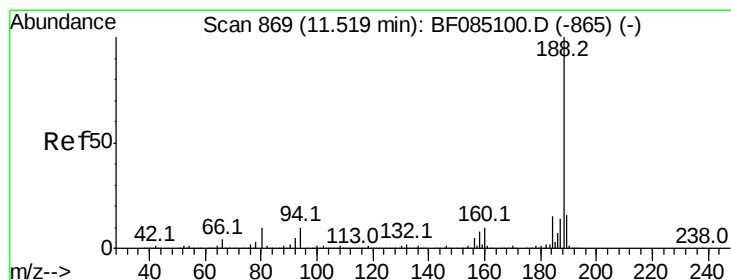
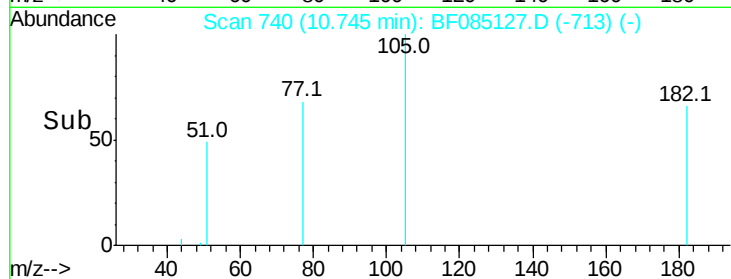
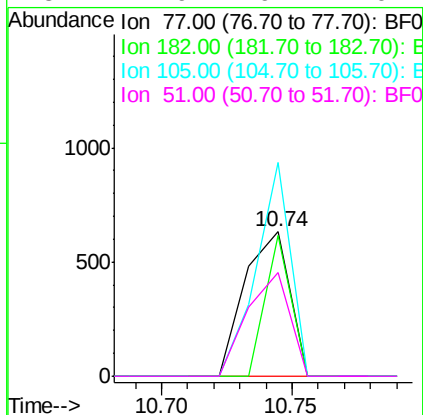
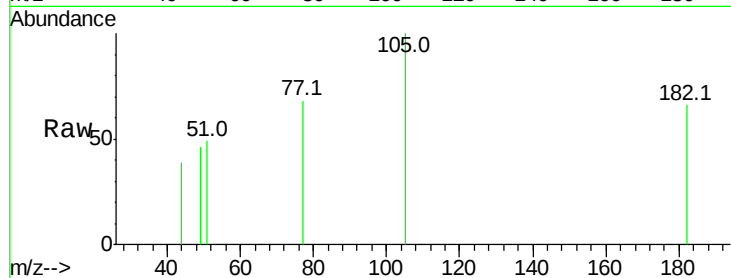




#62  
 Azobenzene  
 Concen: 0.04 ng  
 RT: 10.74 min Scan# 740  
 Delta R.T. 0.01 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

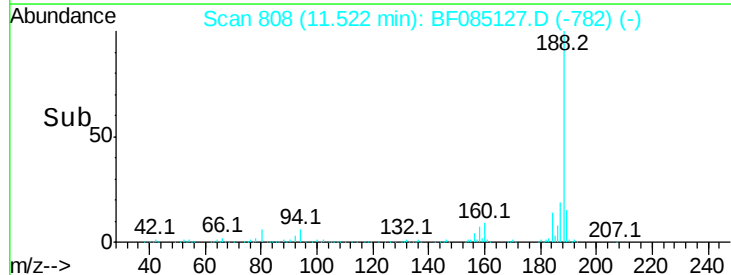
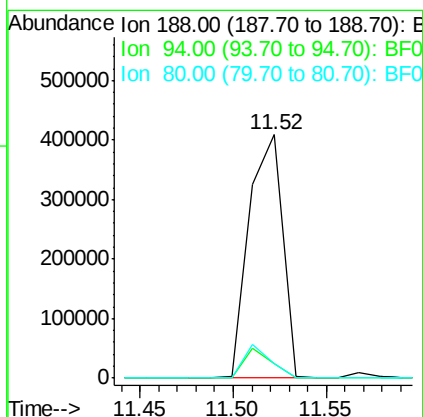
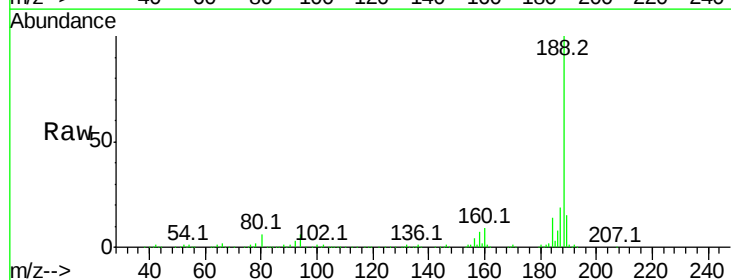
Instrument :  
 BNA\_F  
 ClientSampled :

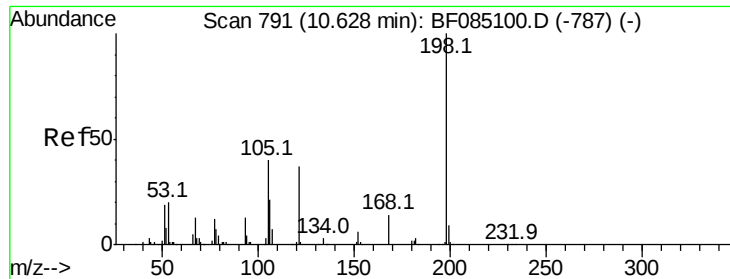
Tot Ion: 77 Resp: 766  
 Ion Ratio Lower Upper  
 77 100  
 182 97.5 0.0 39.8#  
 105 147.7 2.7 42.7#  
 51 71.9 9.4 49.4#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.52 min Scan# 808  
 Delta R.T. 0.00 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

Tgt Ion: 188 Resp: 508678  
 Ion Ratio Lower Upper  
 188 100  
 94 6.1 7.8 11.6#  
 80 6.0 8.2 12.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 7.54 ng

RT: 10.82 min Scan# 747

Delta R.T. 0.20 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

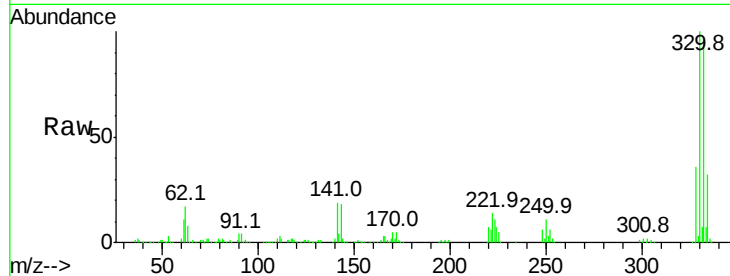
Tot Ion:198 Resp: 1193

Ion Ratio Lower Upper

198 100

51 86.5 12.5 52.5#

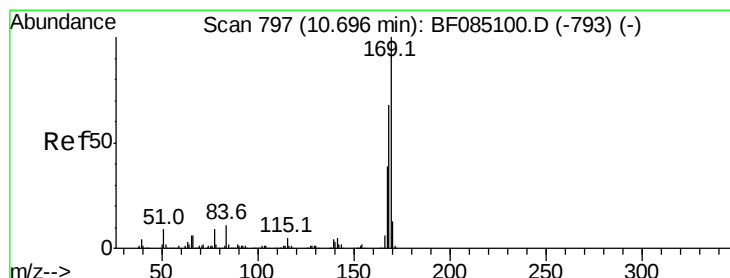
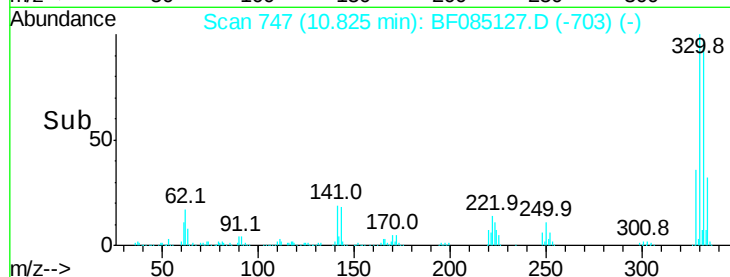
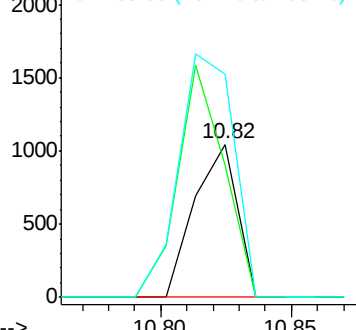
105 145.5 20.2 60.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.85 ng

RT: 10.82 min Scan# 747

Delta R.T. 0.13 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

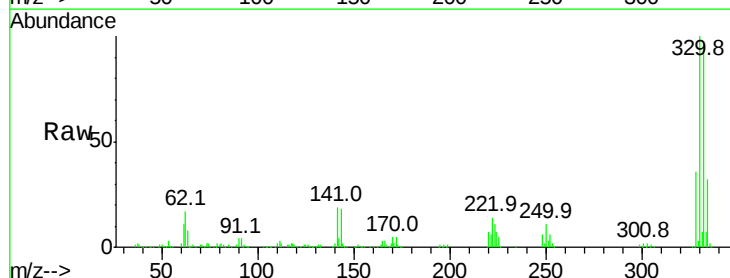
Tgt Ion:169 Resp: 13607

Ion Ratio Lower Upper

169 100

168 7.8 54.6 81.8#

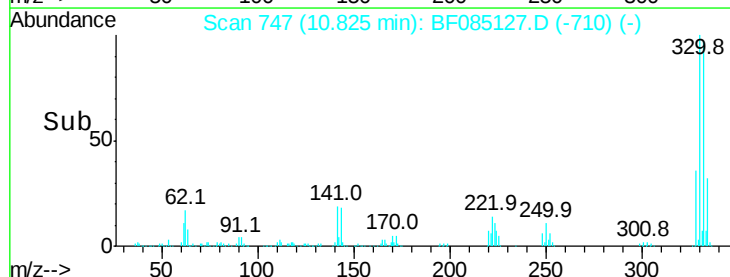
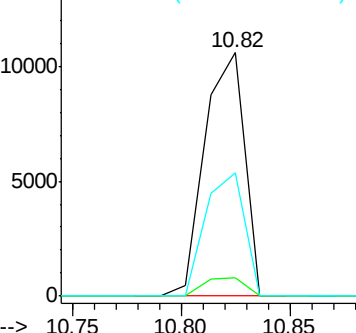
167 50.4 30.8 46.2#

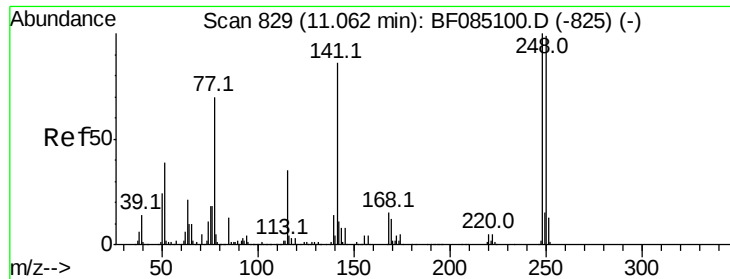


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 6.04 ng

RT: 10.82 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampled :

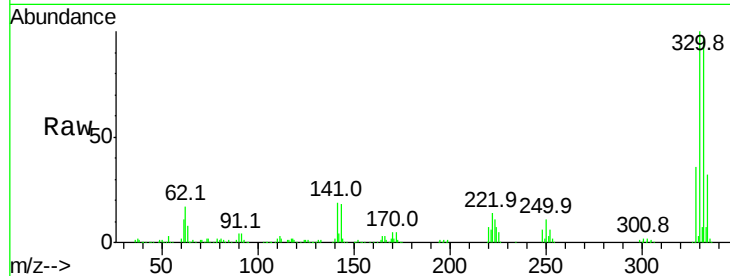
Tot Ion:248 Resp: 32244

Ion Ratio Lower Upper

248 100

250 193.7 79.0 118.4#

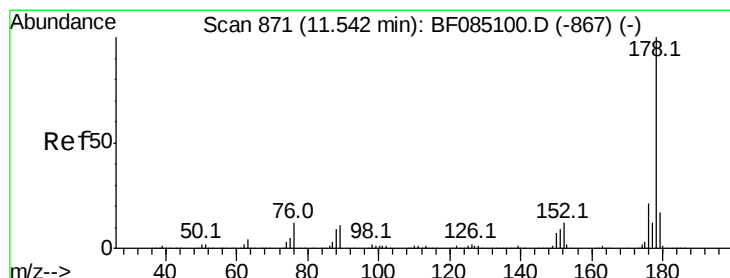
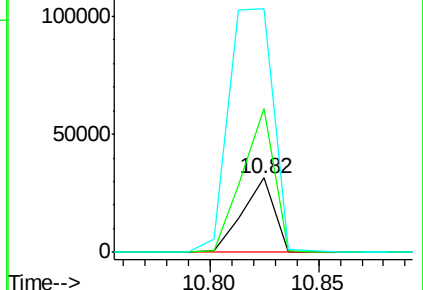
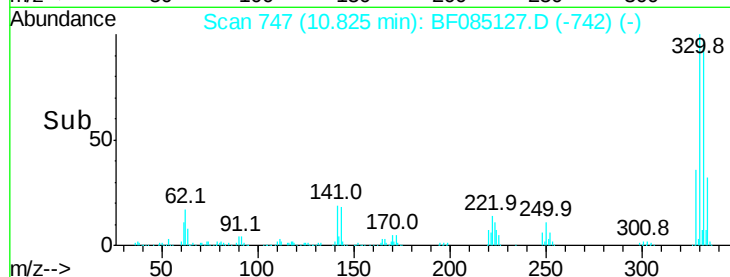
141 326.8 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 0.03 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

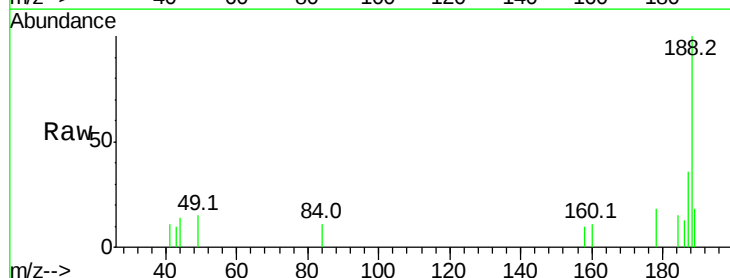
Tgt Ion:178 Resp: 694

Ion Ratio Lower Upper

178 100

176 0.0 17.0 25.6#

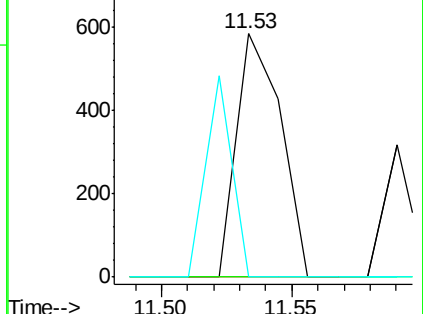
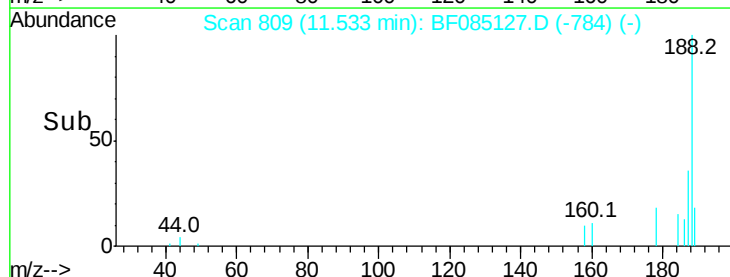
179 0.0 13.3 19.9#

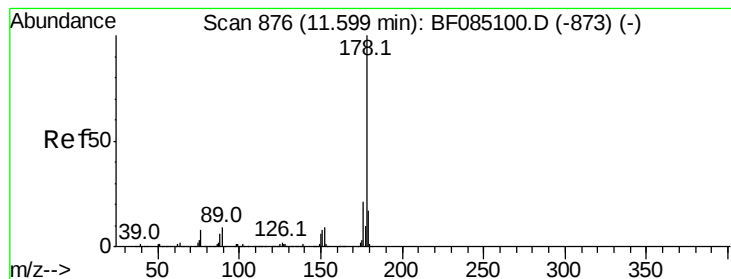


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.01 ng

RT: 11.59 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

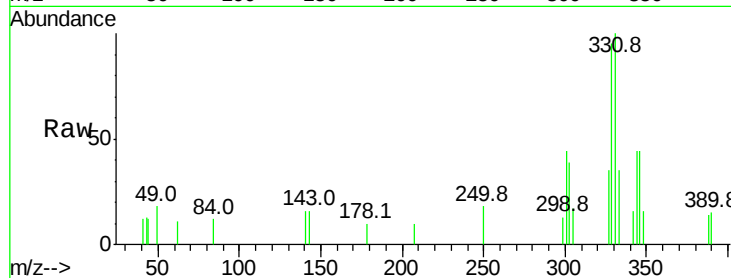
Tot Ion:178 Resp: 218

Ion Ratio Lower Upper

178 100

176 0.0 16.6 25.0#

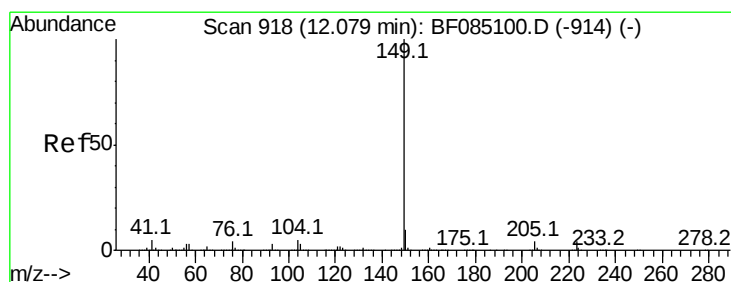
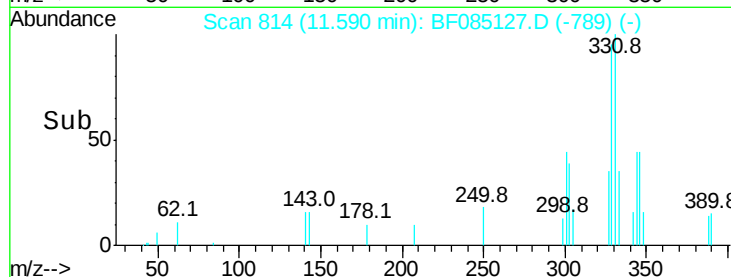
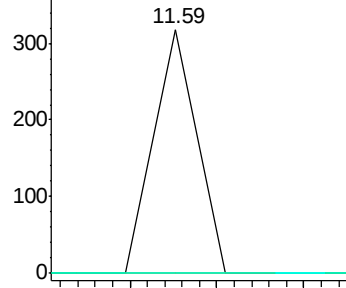
179 0.0 13.2 19.8#



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



#73

Di-n-butylphthalate

Concen: 0.10 ng

RT: 12.07 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

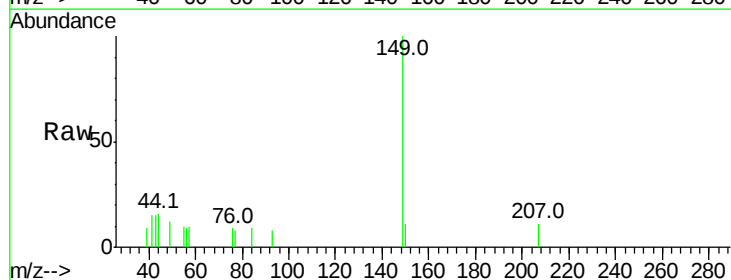
Tgt Ion:149 Resp: 3059

Ion Ratio Lower Upper

149 100

150 11.3 7.7 11.5

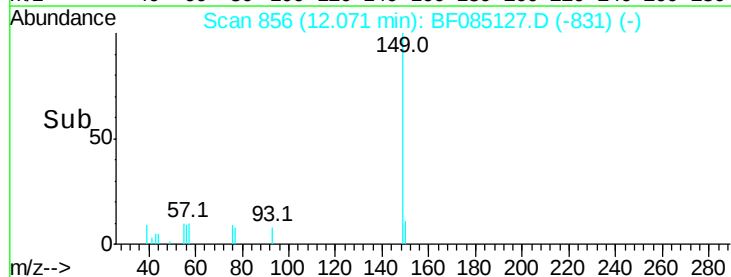
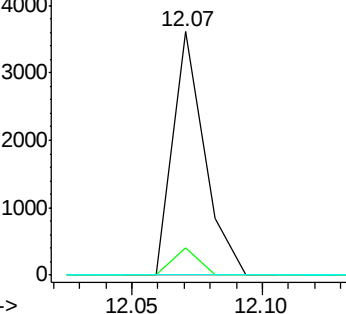
104 0.0 3.7 5.5#

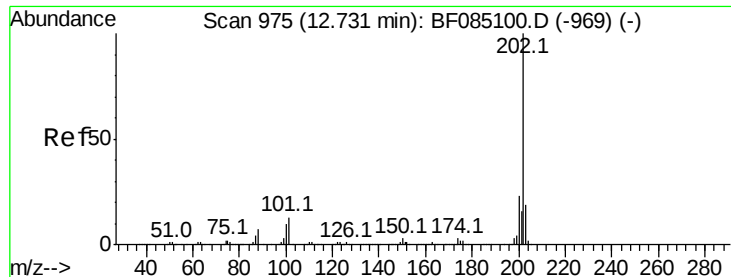


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

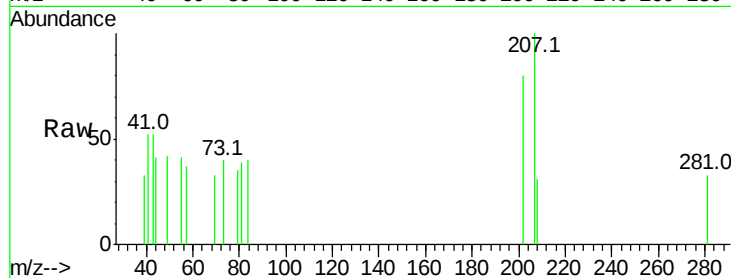




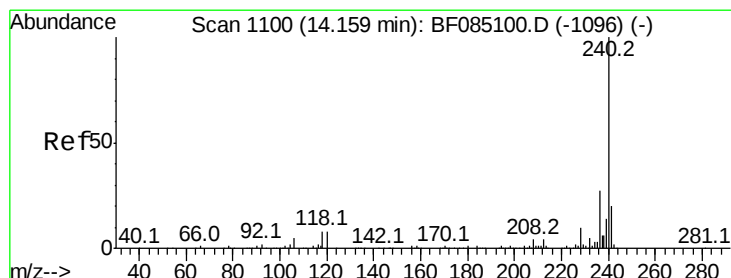
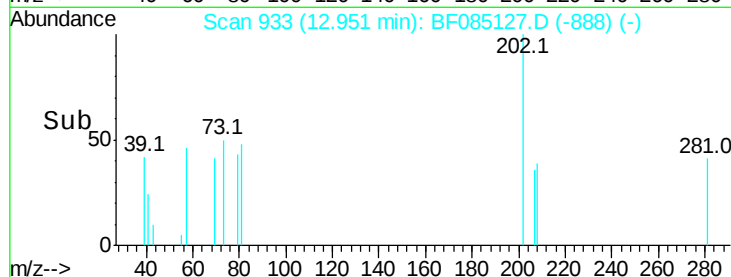
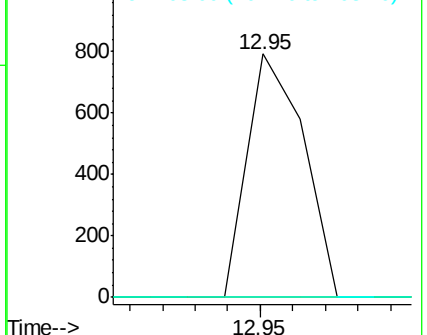
#74  
 Fluoranthene  
 Concen: 0.03 ng  
 RT: 12.95 min Scan# 933  
 Delta R.T. 0.22 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 0.0   | 0.0   | 33.2  |
| 203     | 0.0   | 0.0   | 38.6  |

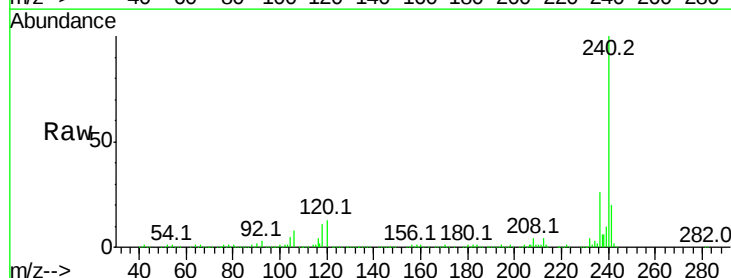


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

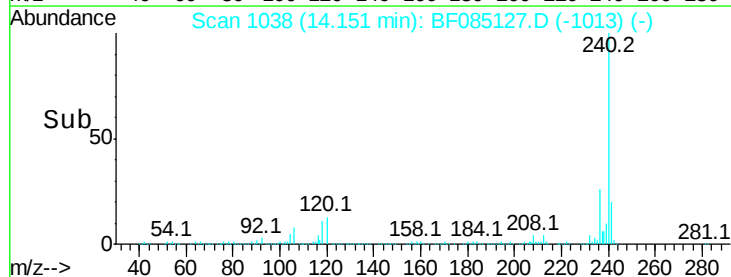
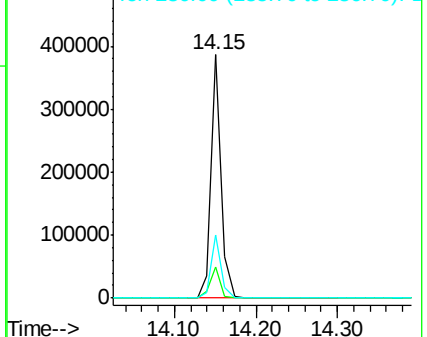


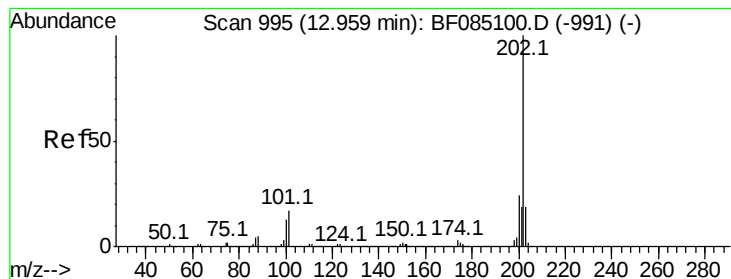
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.15 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF085127.D  
 Acq: 2 Mar 2016 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.8  | 6.7   | 10.1# |
| 236     | 26.1  | 21.6  | 32.4  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.04 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

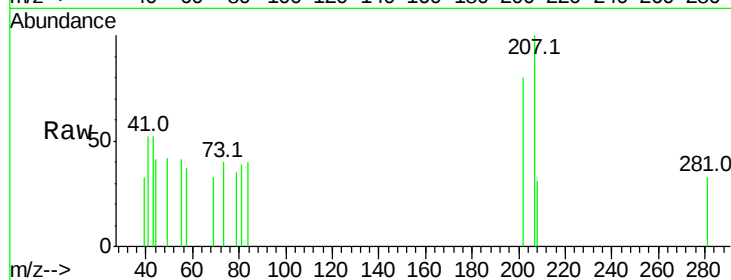
Tot Ion:202 Resp: 943

Ion Ratio Lower Upper

202 100

200 0.0 19.0 28.6#

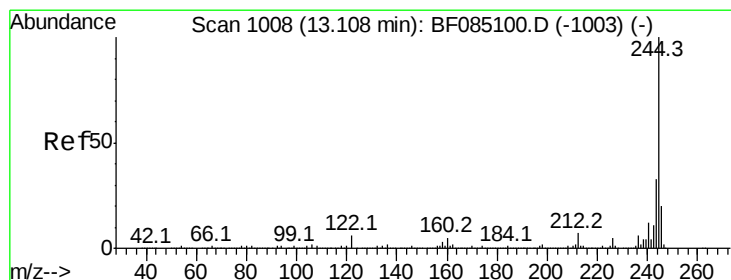
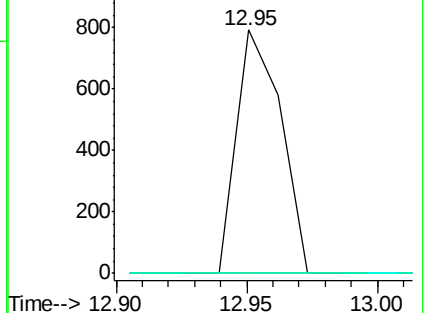
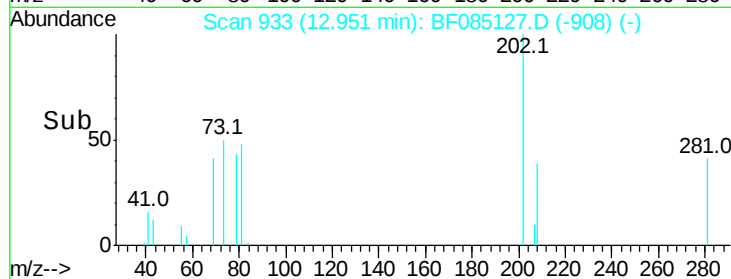
203 0.0 15.0 22.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 103.21 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

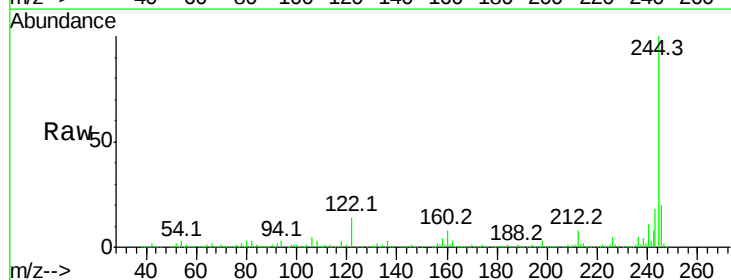
Tgt Ion:244 Resp: 1500136

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

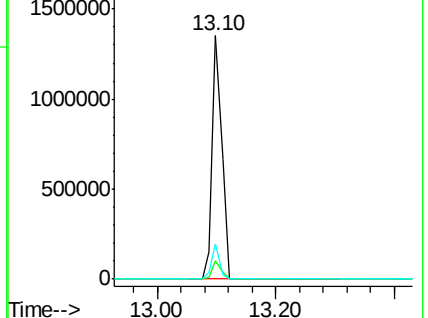
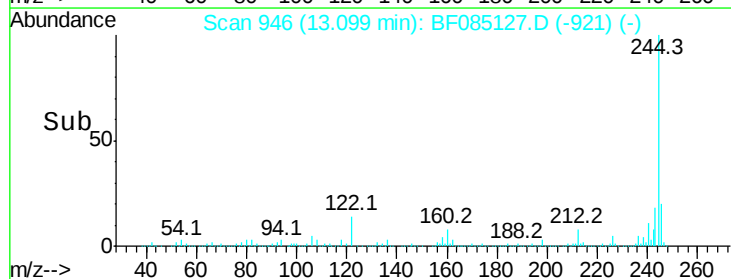
122 14.4 5.1 7.7#

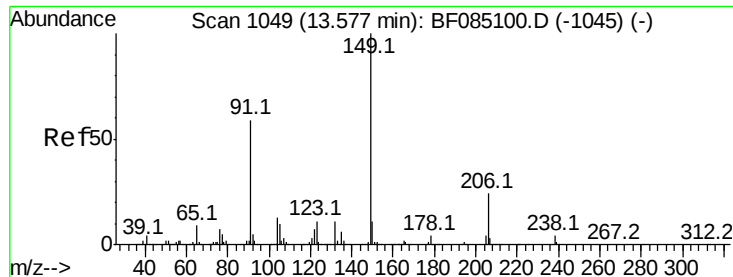


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 13.57 min Scan# 987

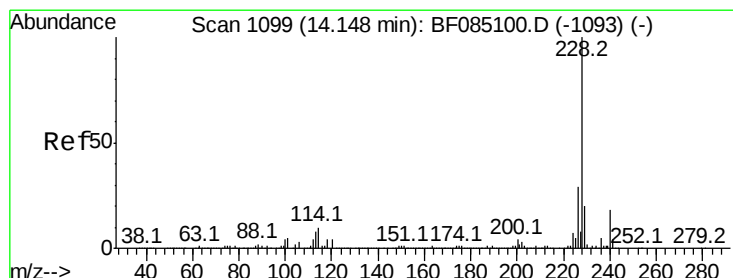
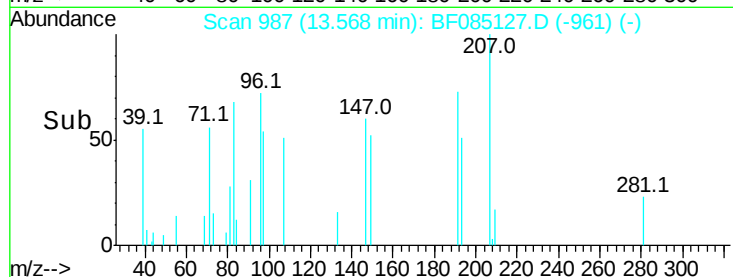
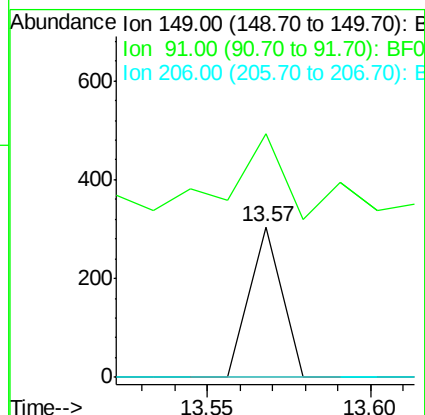
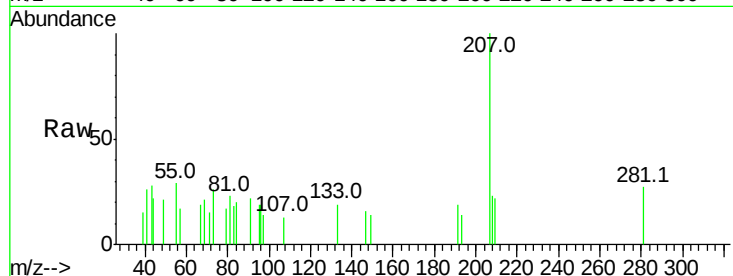
Delta R.T. -0.01 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 161.6 | 46.9  | 70.3# |
| 206     | 0.0   | 19.0  | 28.6# |



#80

Benzo(a)anthracene

Concen: 0.04 ng

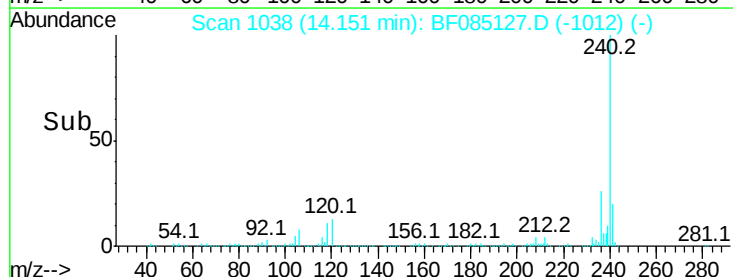
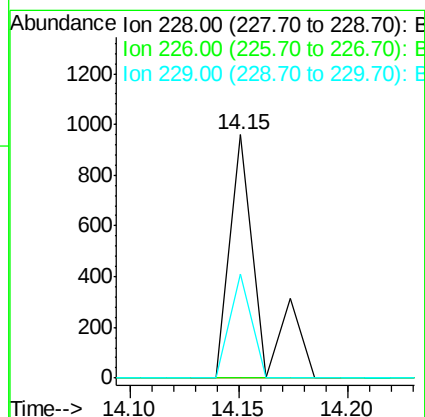
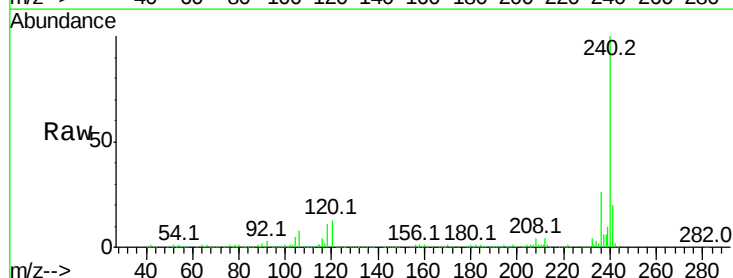
RT: 14.15 min Scan# 1038

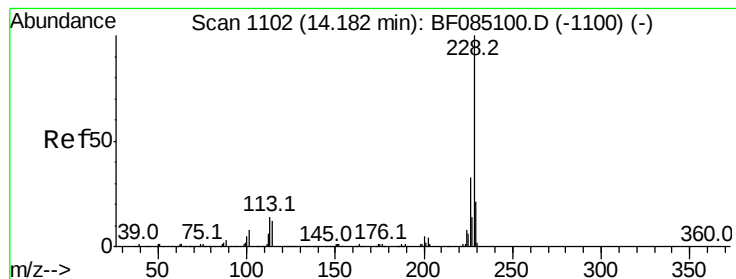
Delta R.T. 0.00 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 23.0  | 34.4# |
| 229     | 42.9  | 16.1  | 24.1# |





#82

Chrysene

Concen: 0.05 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

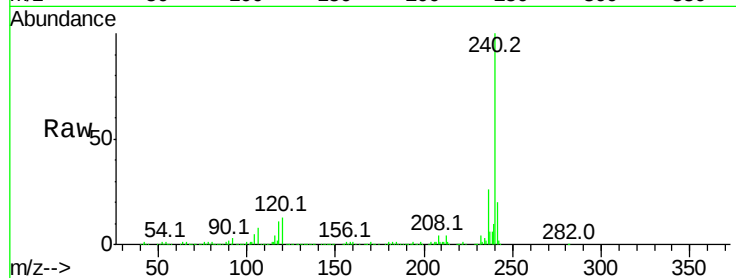
Tot Ion:228 Resp: 875

Ion Ratio Lower Upper

228 100

226 0.0 26.2 39.4#

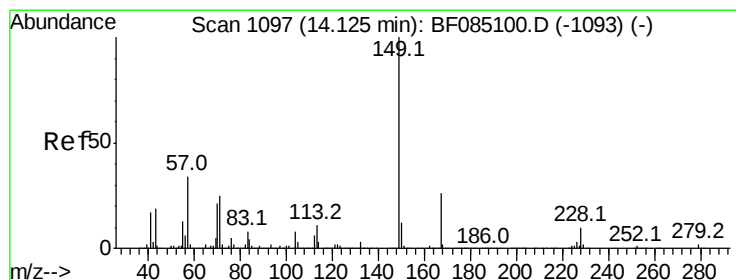
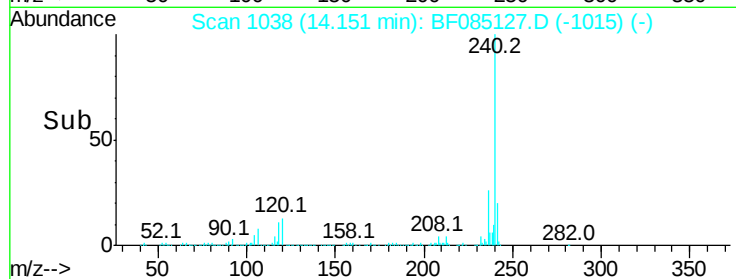
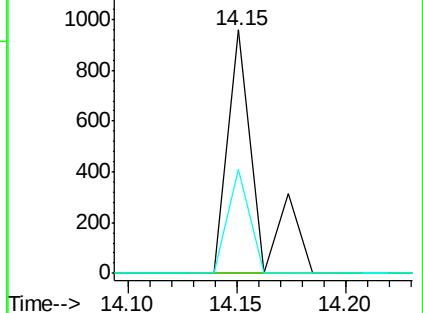
229 42.9 16.5 24.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 14.13 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

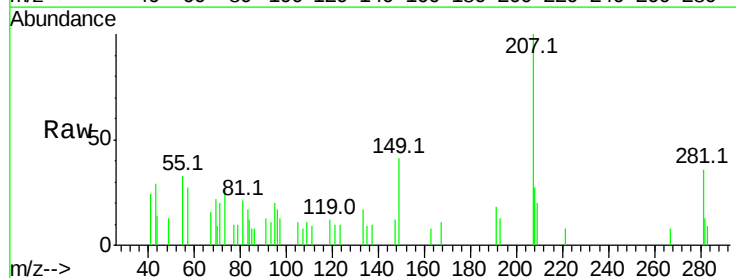
Tgt Ion:149 Resp: 1958

Ion Ratio Lower Upper

149 100

167 27.3 20.6 31.0

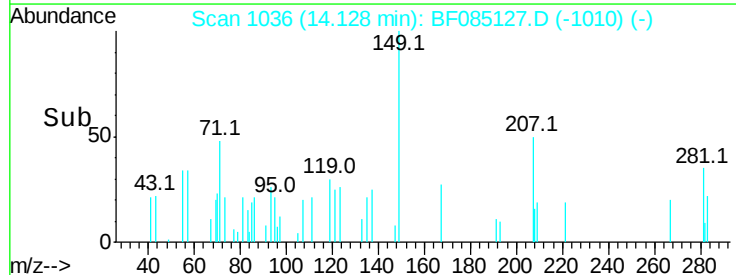
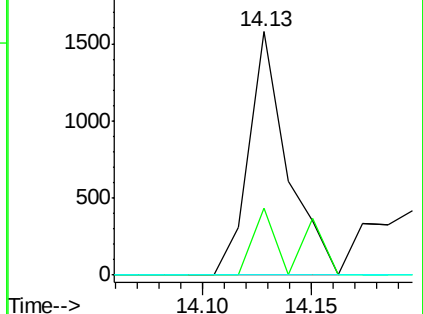
279 0.0 2.0 3.0#

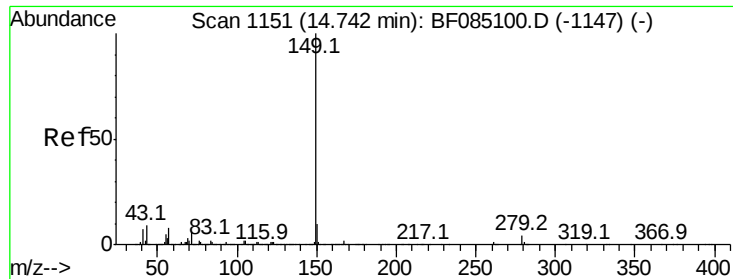


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

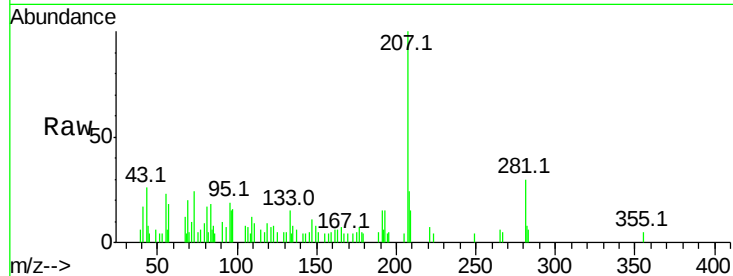




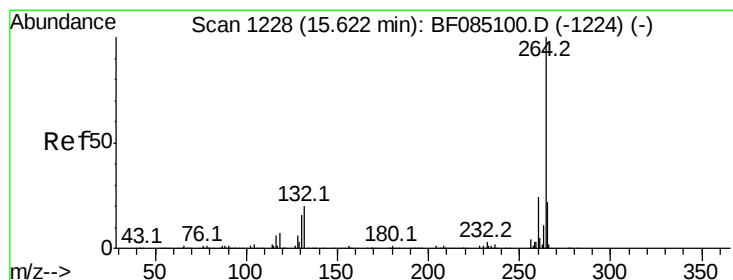
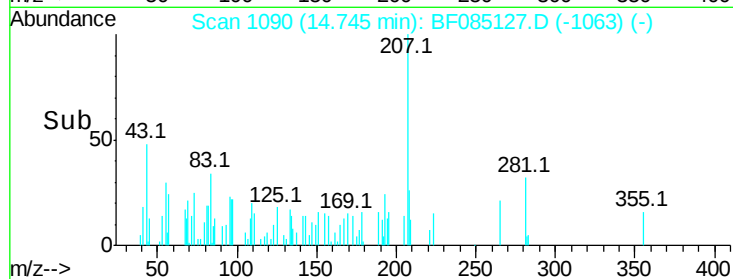
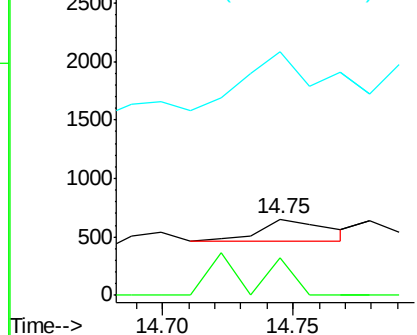
#84  
Di-n-octyl phthalate  
Concen: 0.02 ng  
RT: 14.75 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 324  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 342.3 8.8 13.2#

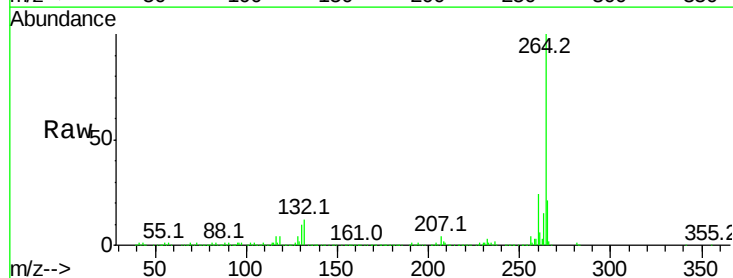


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF0

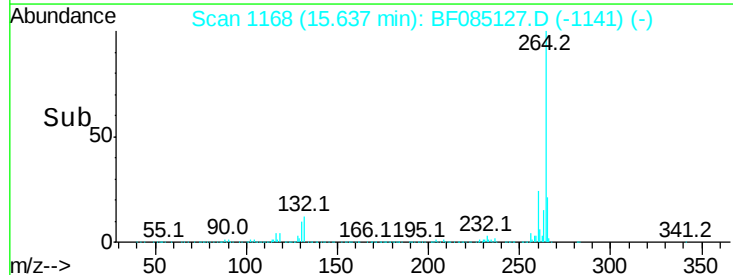
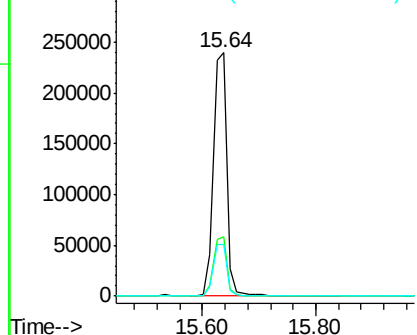


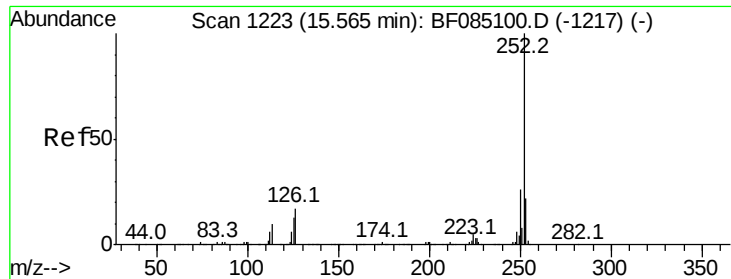
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.64 min Scan# 1168  
Delta R.T. 0.01 min  
Lab File: BF085127.D  
Acq: 2 Mar 2016 18:55

Tgt Ion:264 Resp: 382798  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.6 29.4  
265 21.1 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.07 ng

RT: 15.63 min Scan# 1167

Delta R.T. 0.06 min

Lab File: BF085127.D

Acq: 2 Mar 2016 18:55

Instrument :

BNA\_F

ClientSampleId :

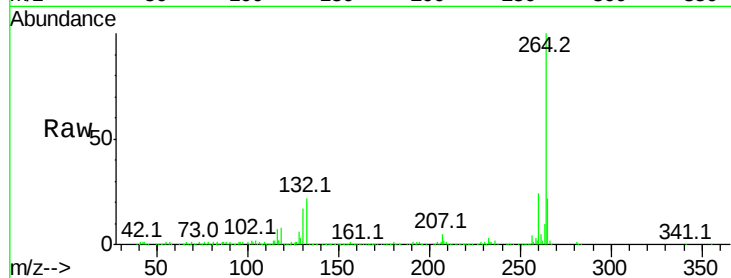
Tot Ion:252 Resp: 1339

Ion Ratio Lower Upper

252 100

253 41.3 18.0 27.0#

125 62.0 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

