

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041515\  
 Data File : BF078550.D  
 Acq On : 15 Apr 2015 22:19  
 Operator : TP/IZ  
 Sample : G1787-11RE  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD05BRE

Quant Time: Apr 16 02:18:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 01:25:24 2015  
 Response via : Initial Calibration

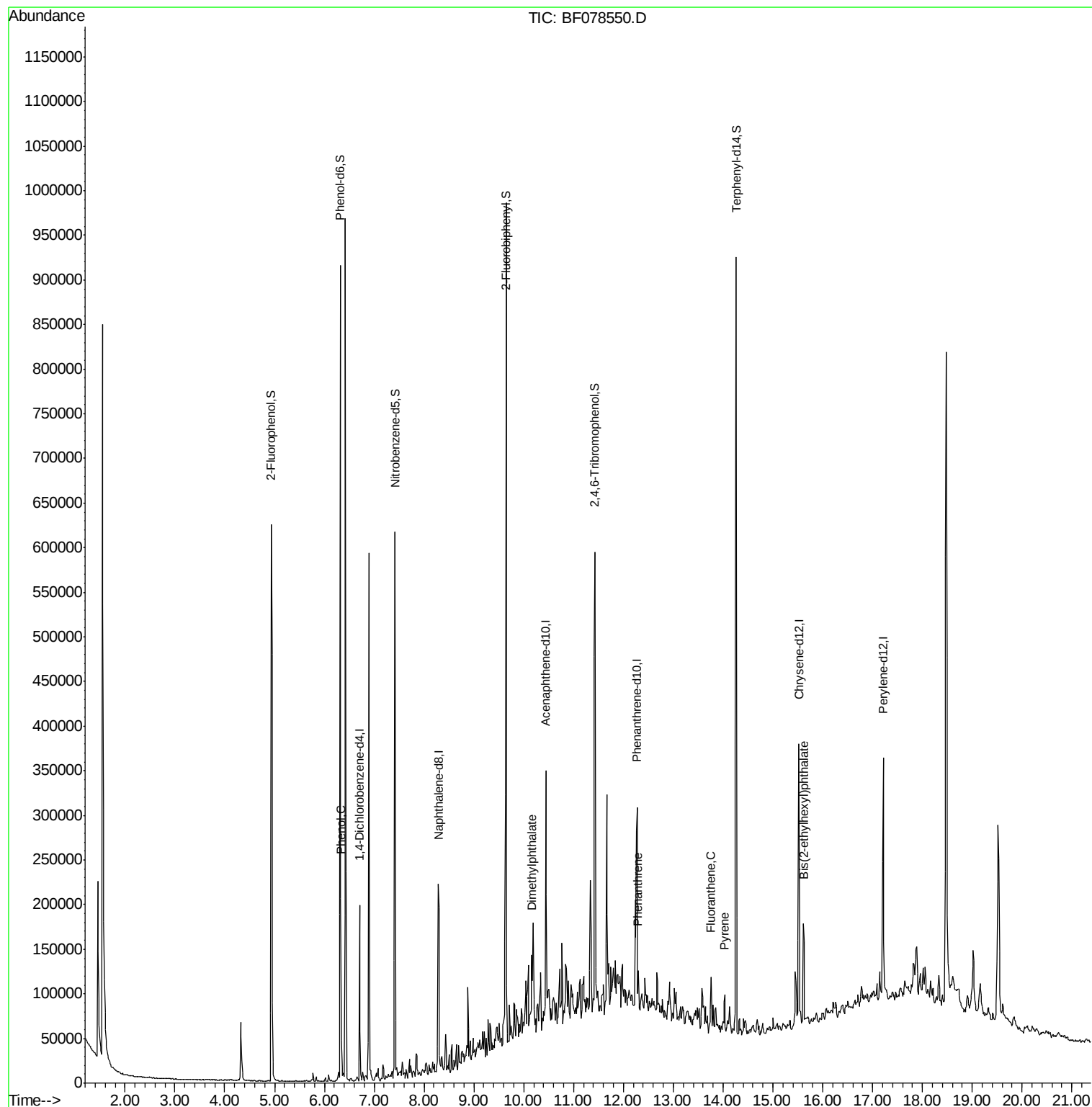
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 32450    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 127876   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.44 | 164  | 62209    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.27 | 188  | 120526   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 15.52 | 240  | 122745   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 17.21 | 264  | 122320   | 20.00  | ng    | -0.09    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.94  | 112  | 271480   | 137.94 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.32  | 99   | 340550   | 138.07 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 193375   | 91.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.43 | 330  | 79127    | 153.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.64  | 172  | 302688   | 69.55  | ng    | 0.00     |
| 78) Terphenyl-d14              | 14.26 | 244  | 314655   | 57.93  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.33  | 94   | 9173     | 3.10   | ng    | # 45     |
| 49) Dimethylphthalate          | 10.16 | 163  | 19010    | 4.07   | ng    | # 98     |
| 70) Phenanthrene               | 12.30 | 178  | 18678    | 2.68   | ng    | # 94     |
| 74) Fluoranthene               | 13.76 | 202  | 18366    | 2.50   | ng    | 96       |
| 77) Pyrene                     | 14.03 | 202  | 20483    | 2.66   | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 15.61 | 149  | 48987    | 10.64  | ng    | # 94     |

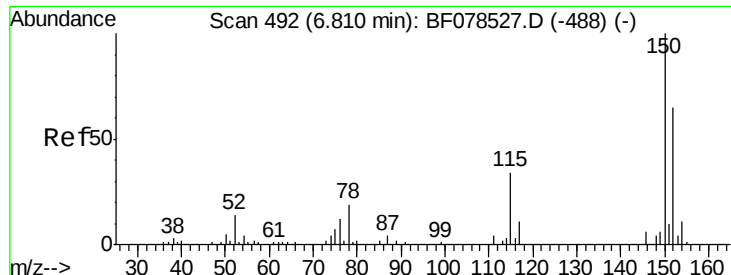
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 16 01:25:24 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

LS-SD05BRE

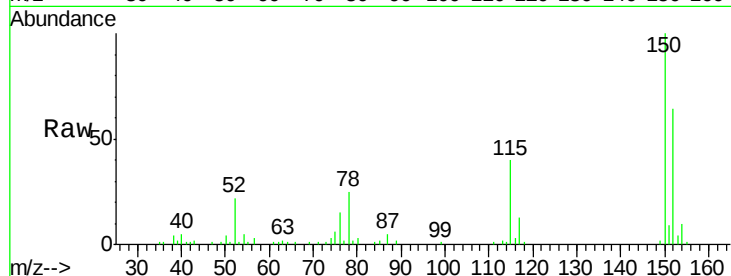
Tgt Ion:152 Resp: 32450

Ion Ratio Lower Upper

152 100

150 156.3 125.9 188.9

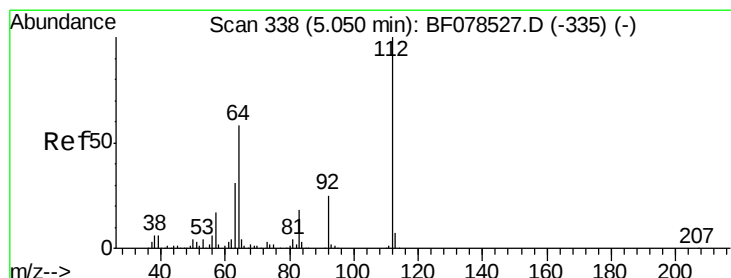
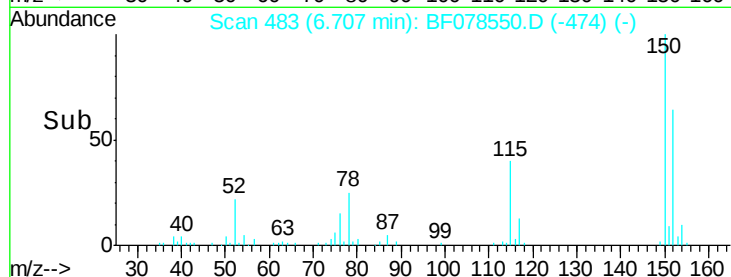
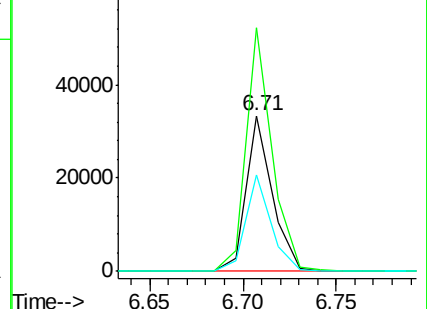
115 62.0 52.7 79.1



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



#5

2-Fluorophenol

Concen: 137.94 ng

RT: 4.94 min Scan# 328

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

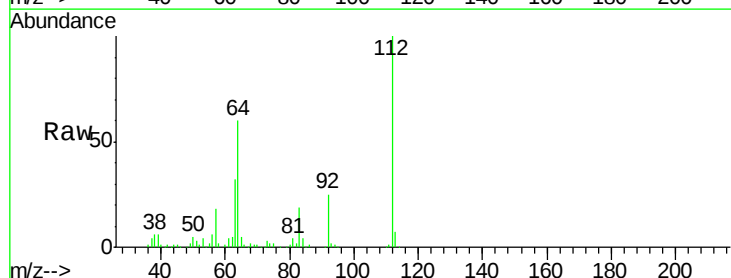
Tgt Ion:112 Resp: 271480

Ion Ratio Lower Upper

112 100

64 59.7 39.9 59.9

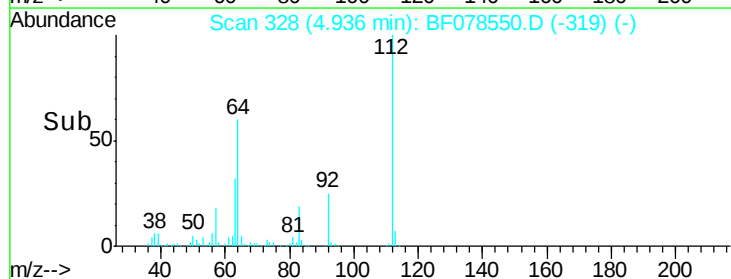
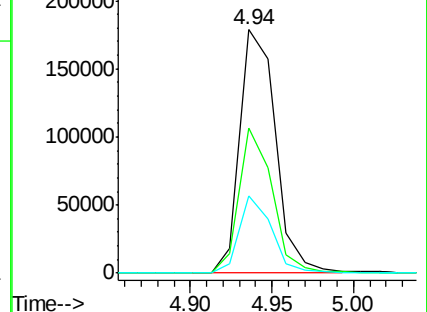
63 31.7 20.2 30.4#

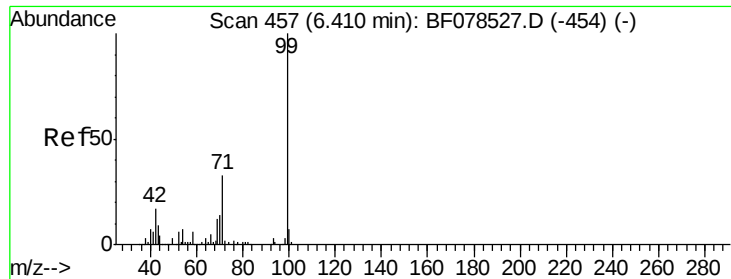


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.07 ng

RT: 6.32 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

LS-SD05BRE

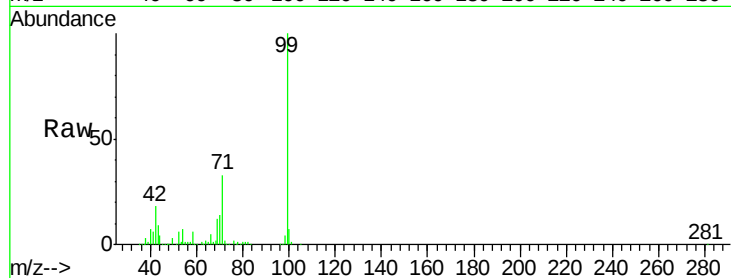
Tgt Ion: 99 Resp: 340550

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

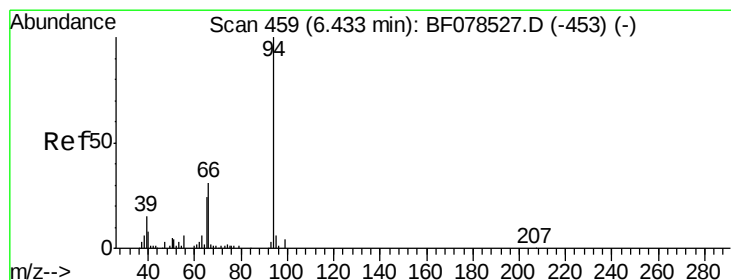
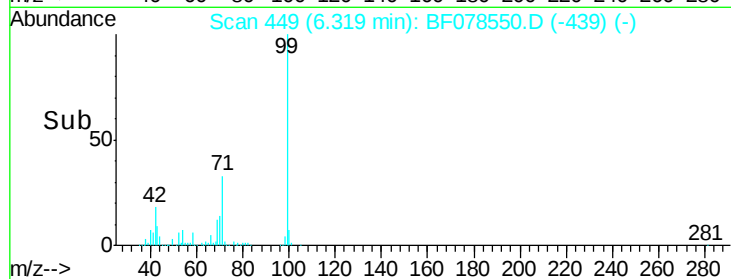
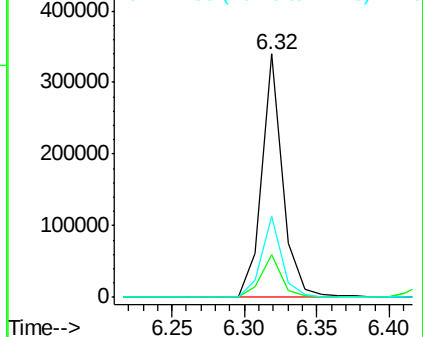
71 33.4 26.6 39.8



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



#10

Phenol

Concen: 3.10 ng

RT: 6.33 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

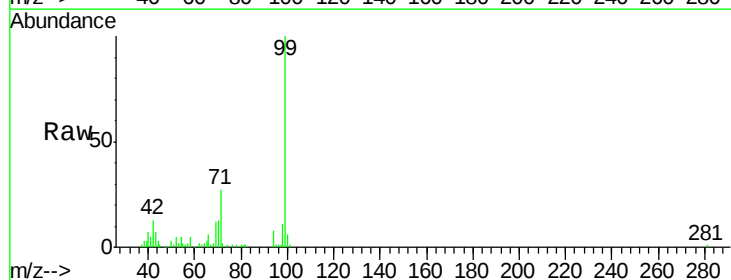
Tgt Ion: 94 Resp: 9173

Ion Ratio Lower Upper

94 100

65 38.2 4.9 44.9

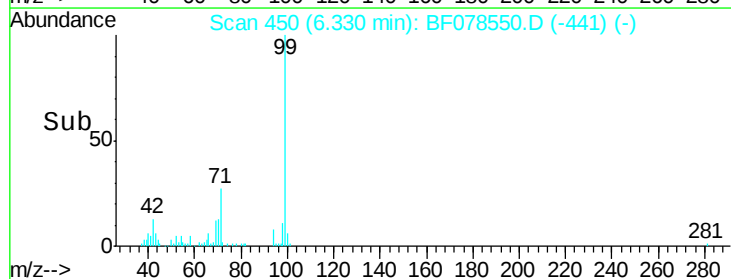
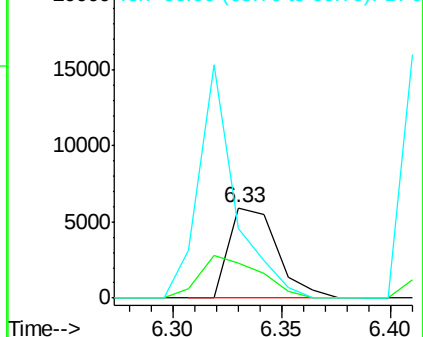
66 77.1 13.8 53.8#

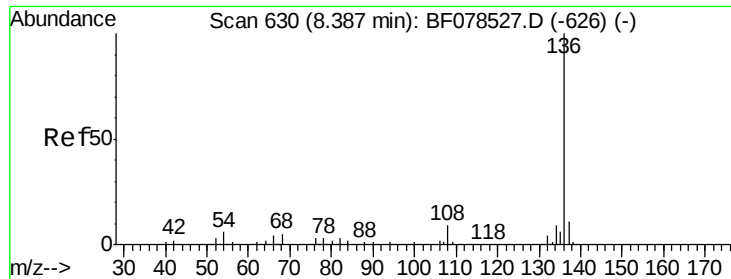


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

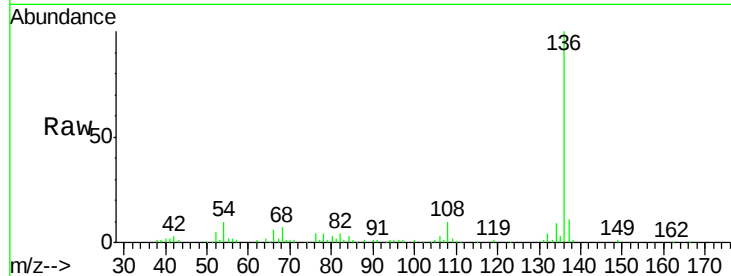




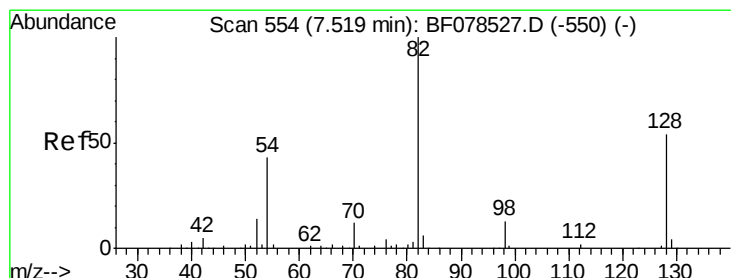
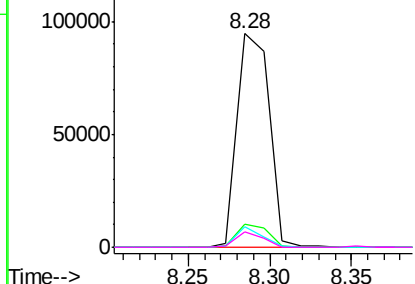
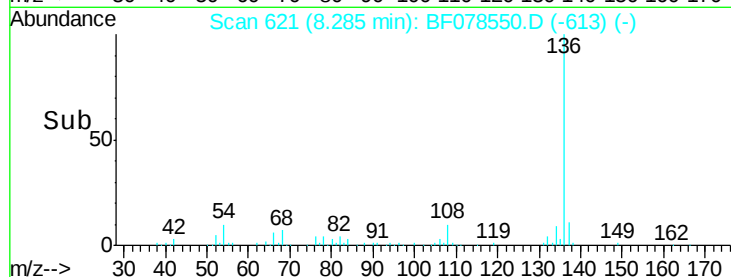
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.28 min Scan# 621  
Delta R.T. -0.01 min  
Lab File: BF078550.D  
Acq: 15 Apr 2015 22:19

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD05BRE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 127876 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.0   | 13.4   |
| 54       | 9.8   | 7.0   | 10.6   |
| 68       | 7.1   | 5.4   | 8.2    |

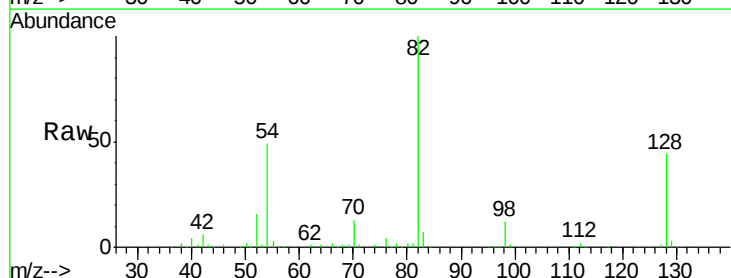


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

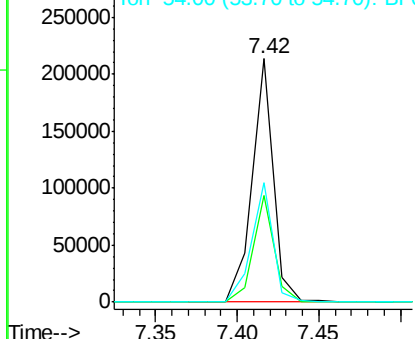
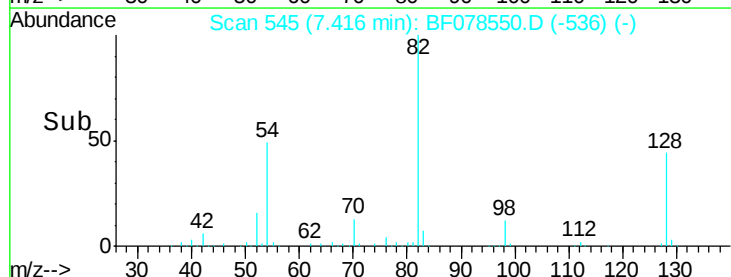


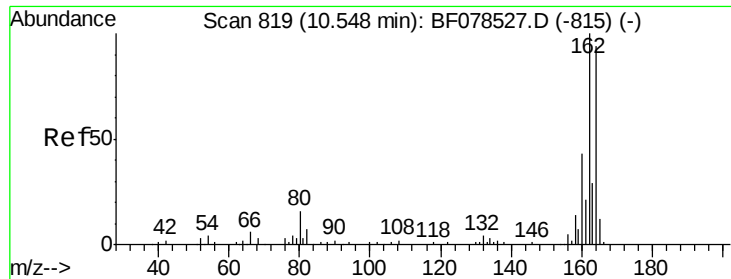
#23  
Nitrobenzene-d5  
Concen: 91.66 ng  
RT: 7.42 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: BF078550.D  
Acq: 15 Apr 2015 22:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 193375 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.0  | 31.8  | 47.8   |
| 54       | 49.0  | 41.5  | 62.3   |



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

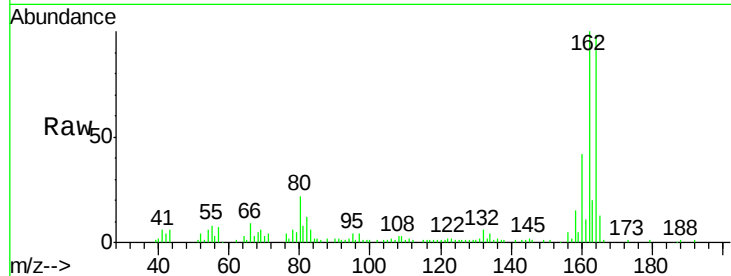




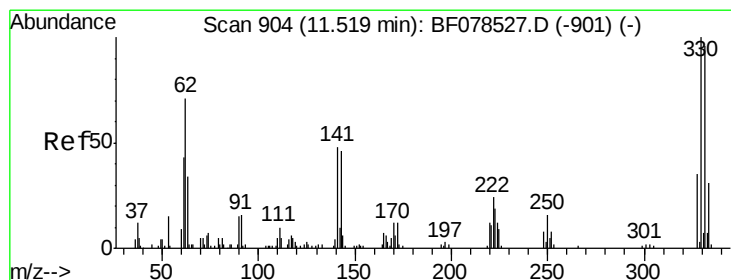
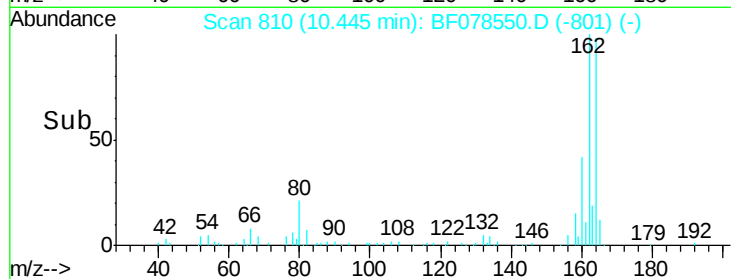
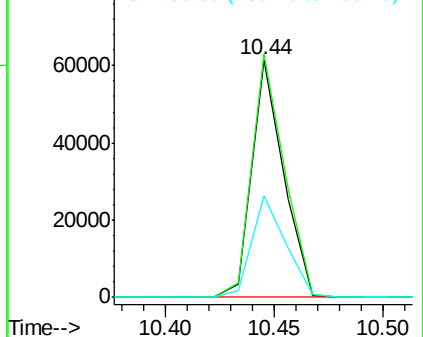
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.44 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF078550.D  
Acq: 15 Apr 2015 22:19

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD05BRE

Tgt Ion:164 Resp: 62209  
Ion Ratio Lower Upper  
164 100  
162 102.5 82.2 123.2  
160 43.0 34.7 52.1

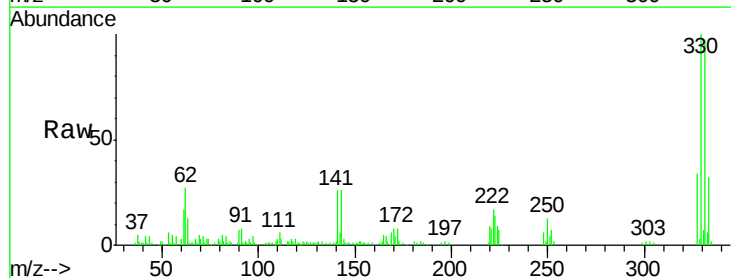


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

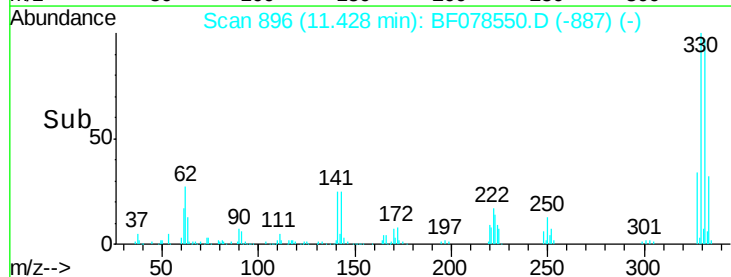
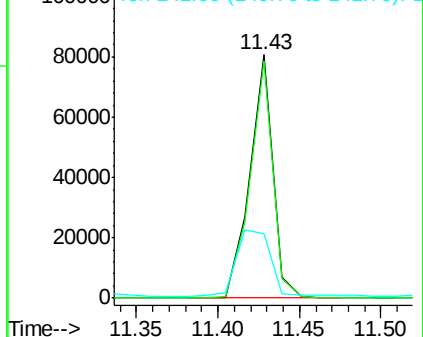


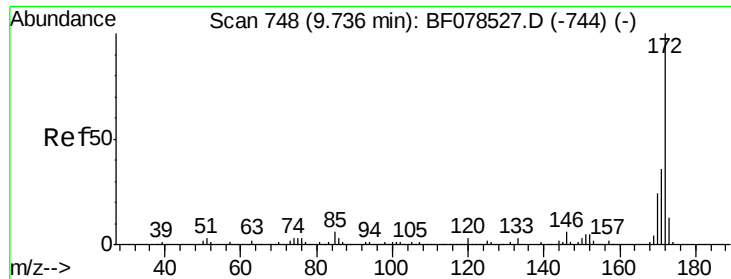
#41  
2,4,6-Tribromophenol  
Concen: 153.37 ng  
RT: 11.43 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BF078550.D  
Acq: 15 Apr 2015 22:19

Tgt Ion:330 Resp: 79127  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.6 117.8  
141 39.2 31.2 46.8



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

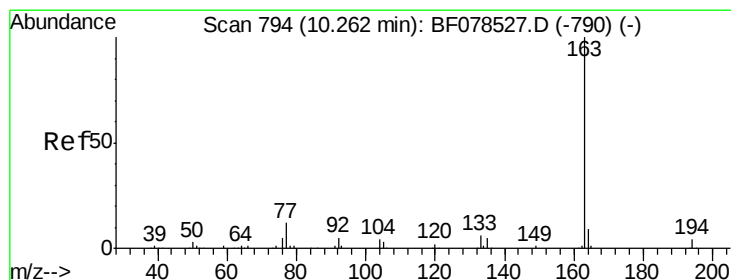
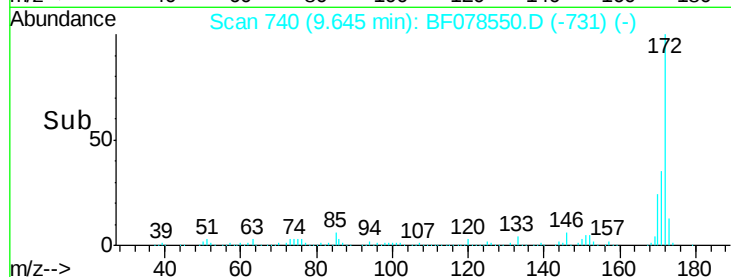
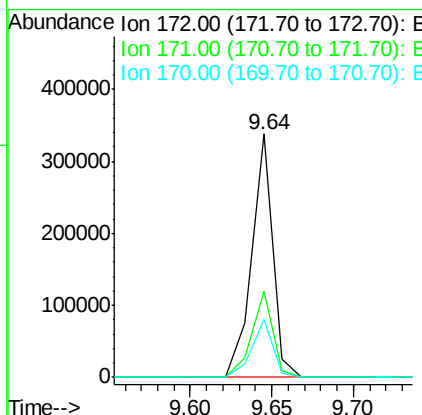
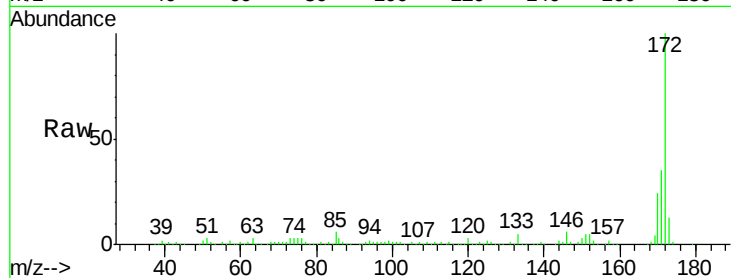




#44  
 2-Fluorobiphenyl  
 Concen: 69.55 ng  
 RT: 9.64 min Scan# 740  
 Delta R.T. 0.00 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

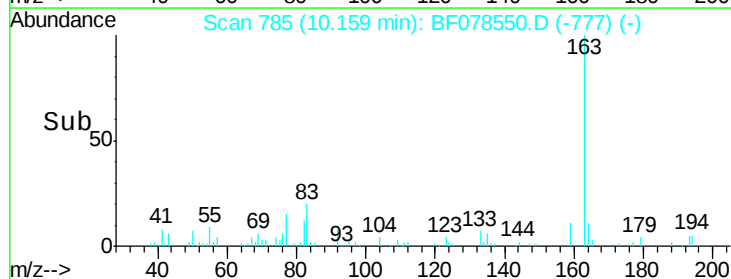
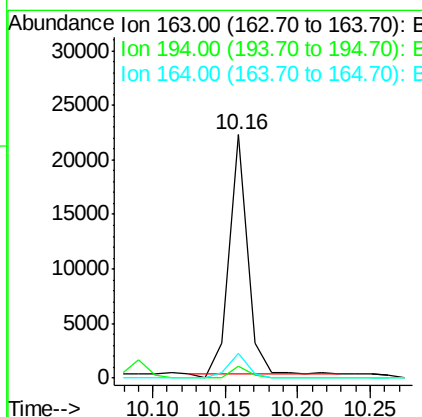
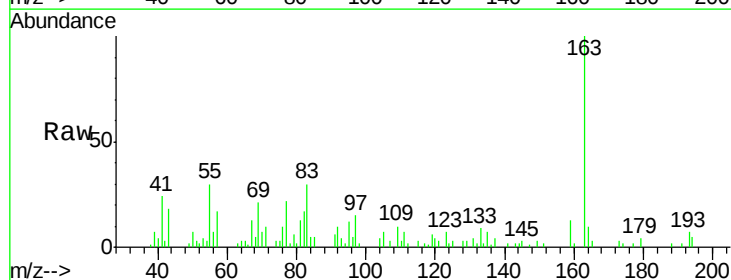
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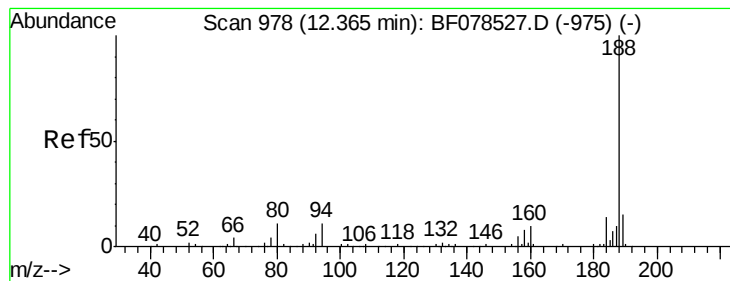
Tgt Ion:172 Resp: 302688  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 42.8  
 170 23.9 18.5 27.7



#49  
 Dimethylphthalate  
 Concen: 4.07 ng  
 RT: 10.16 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

Tgt Ion:163 Resp: 19010  
 Ion Ratio Lower Upper  
 163 100  
 194 4.8 2.3 3.5#  
 164 10.4 8.6 13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.27 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

LS-SD05BRE

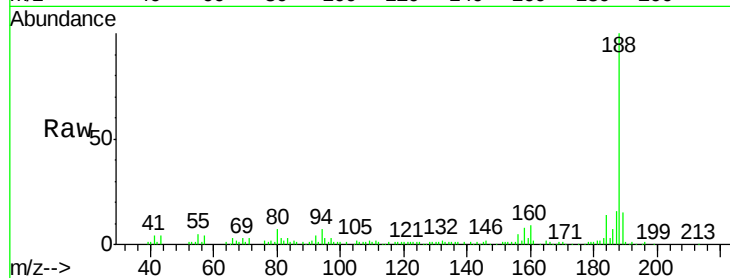
Tgt Ion:188 Resp: 120526

Ion Ratio Lower Upper

188 100

94 7.3 9.0 13.4#

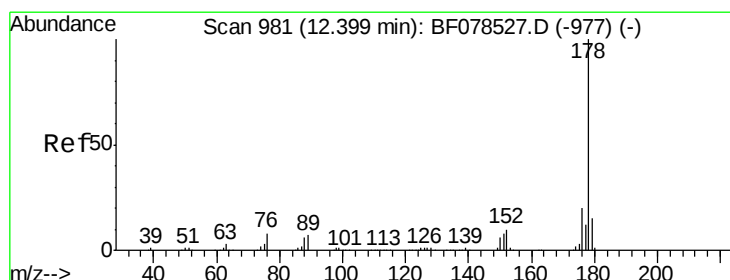
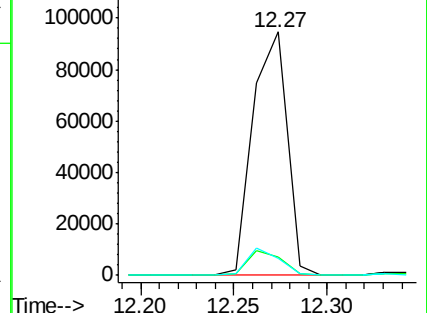
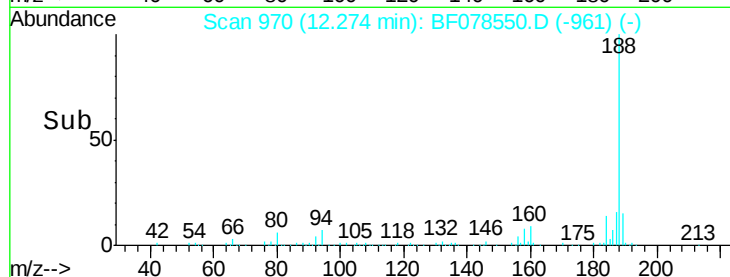
80 6.8 9.5 14.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.68 ng

RT: 12.30 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

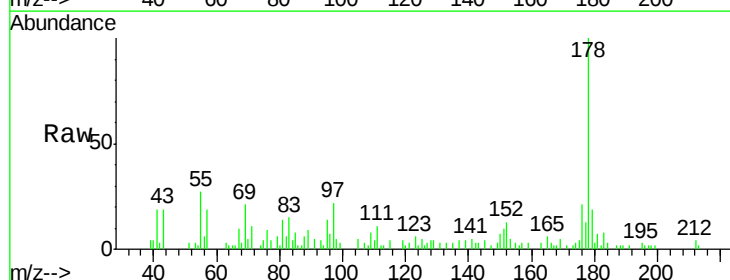
Tgt Ion:178 Resp: 18678

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.0

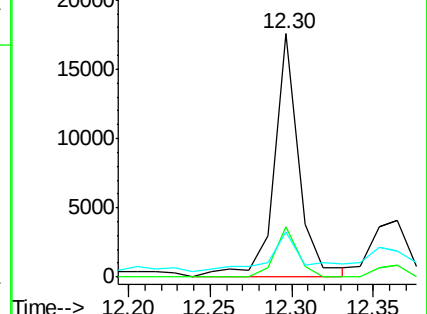
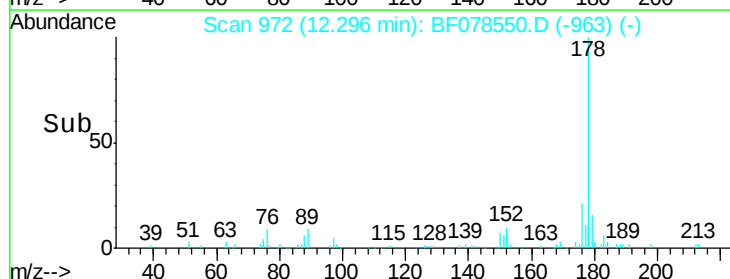
179 18.7 12.2 18.2#

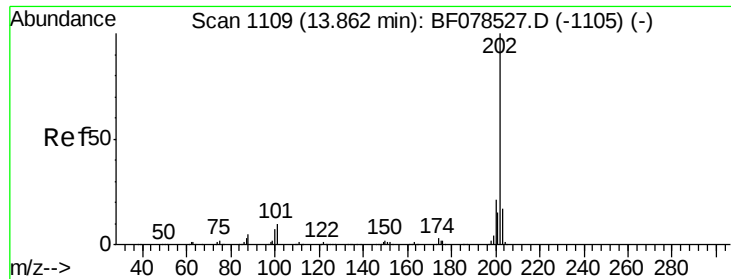


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.50 ng

RT: 13.76 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

Instrument :

BNA\_F

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LS-SD05BRE

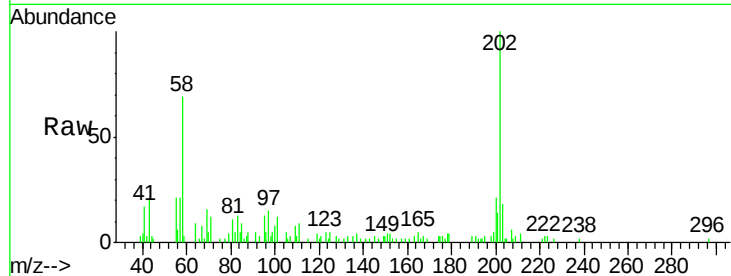
Tgt Ion:202 Resp: 18366

Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.2

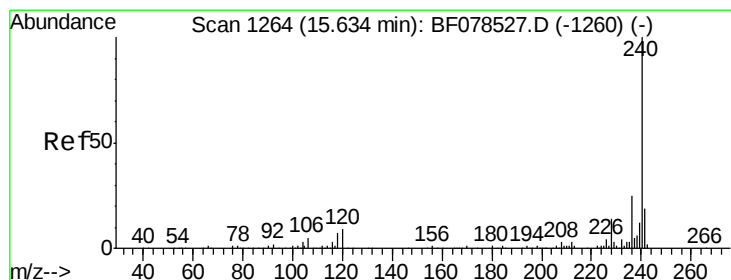
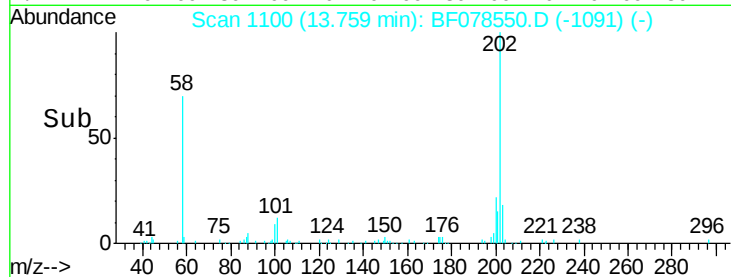
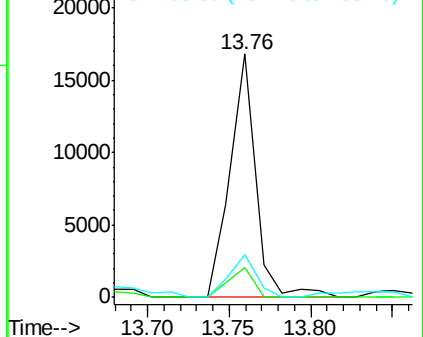
203 17.7 0.0 38.5



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: 15.52 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF078550.D

Acq: 15 Apr 2015 22:19

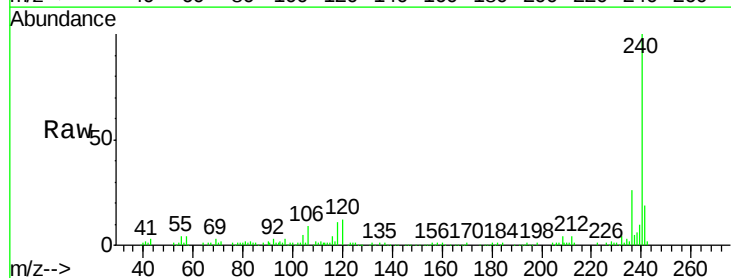
Tgt Ion:240 Resp: 122745

Ion Ratio Lower Upper

240 100

120 12.0 7.1 10.7#

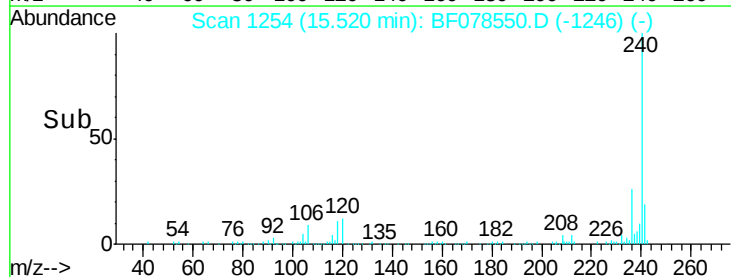
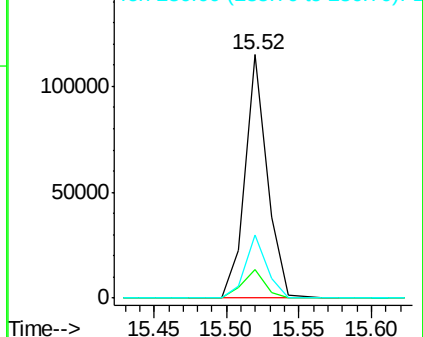
236 25.7 21.4 32.2

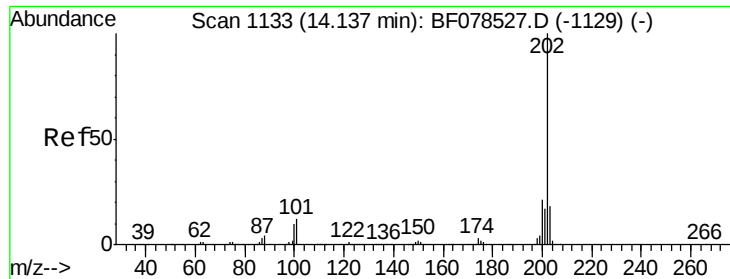


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

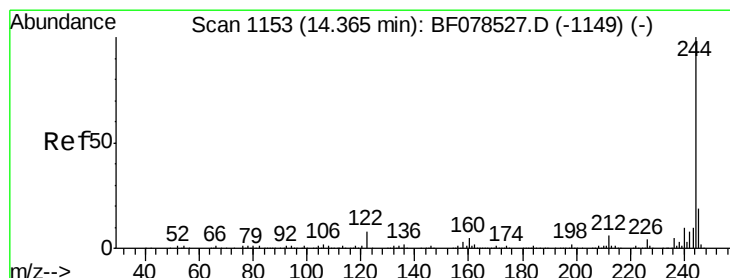
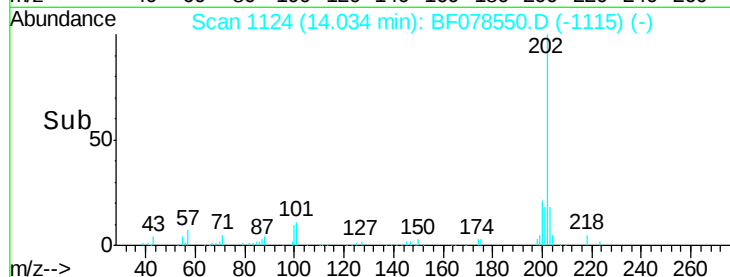
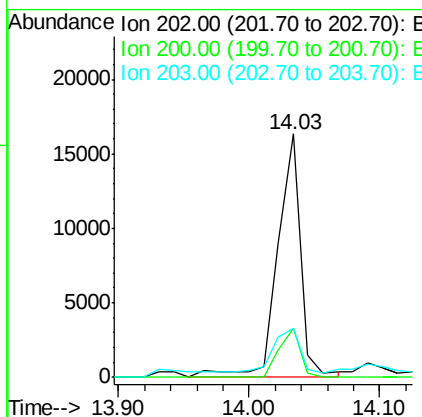
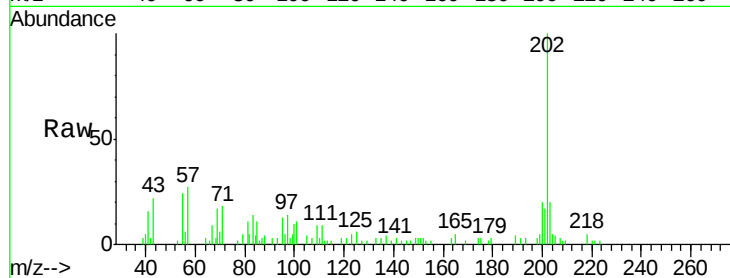




#77  
 Pyrene  
 Concen: 2.66 ng  
 RT: 14.03 min Scan# 1124  
 Delta R.T. 0.00 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

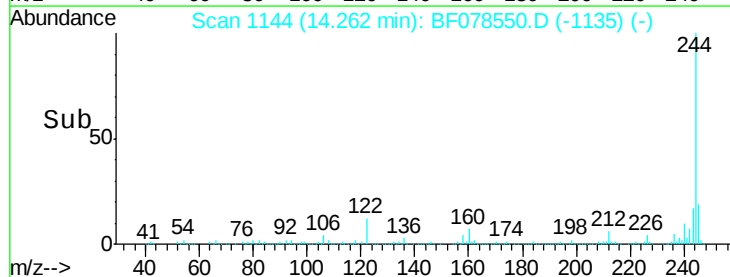
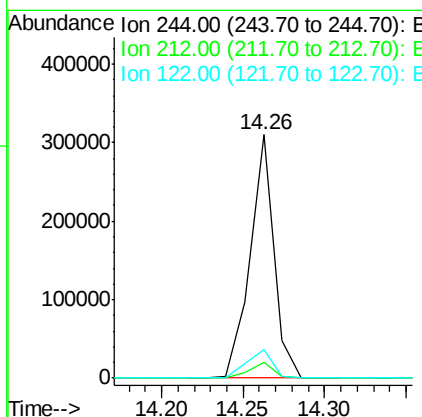
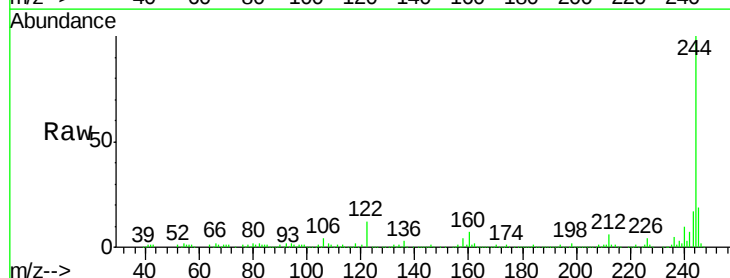
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD05BRE

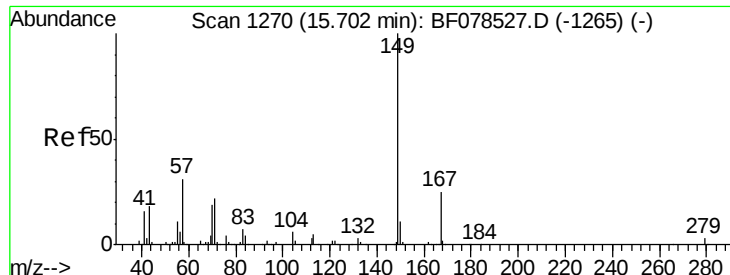
Tgt Ion:202 Resp: 20483  
 Ion Ratio Lower Upper  
 202 100  
 200 20.0 16.3 24.5  
 203 20.3 13.8 20.6



#78  
 Terphenyl-d14  
 Concen: 57.93 ng  
 RT: 14.26 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

Tgt Ion:244 Resp: 314655  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.4  
 122 11.5 7.1 10.7#

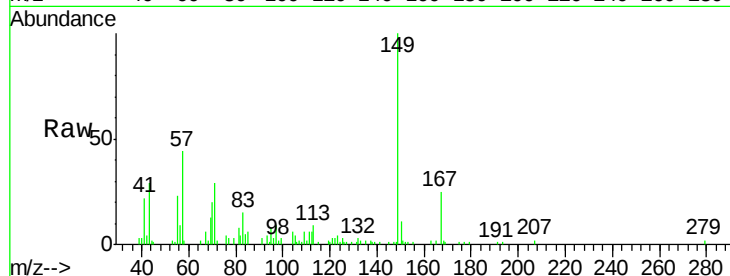




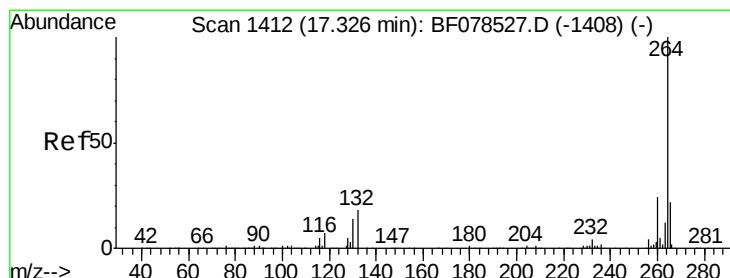
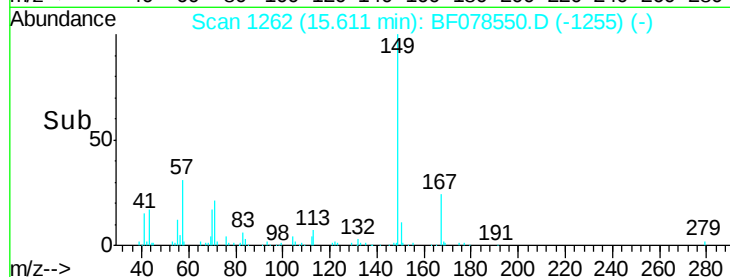
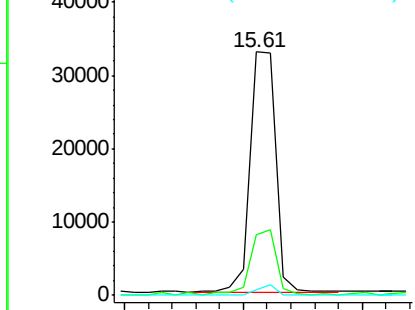
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 10.64 ng  
 RT: 15.61 min Scan# 1262  
 Delta R.T. -0.02 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD05BRE

Tgt Ion:149 Resp: 48987  
 Ion Ratio Lower Upper  
 149 100  
 167 24.8 22.2 33.2  
 279 2.3 3.2 4.8#

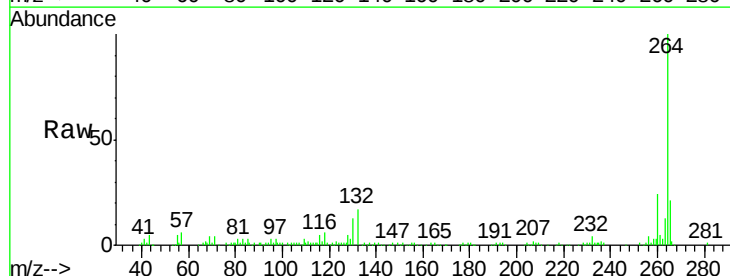


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.21 min Scan# 1402  
 Delta R.T. -0.09 min  
 Lab File: BF078550.D  
 Acq: 15 Apr 2015 22:19

Tgt Ion:264 Resp: 122320  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.6 27.8  
 265 21.4 17.0 25.6



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

