

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020818\  
 Data File : BF102860.D  
 Acq On : 8 Feb 2018 17:07  
 Operator : SJ/JU  
 Sample : J1470-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-7

Quant Time: Feb 08 18:30:14 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

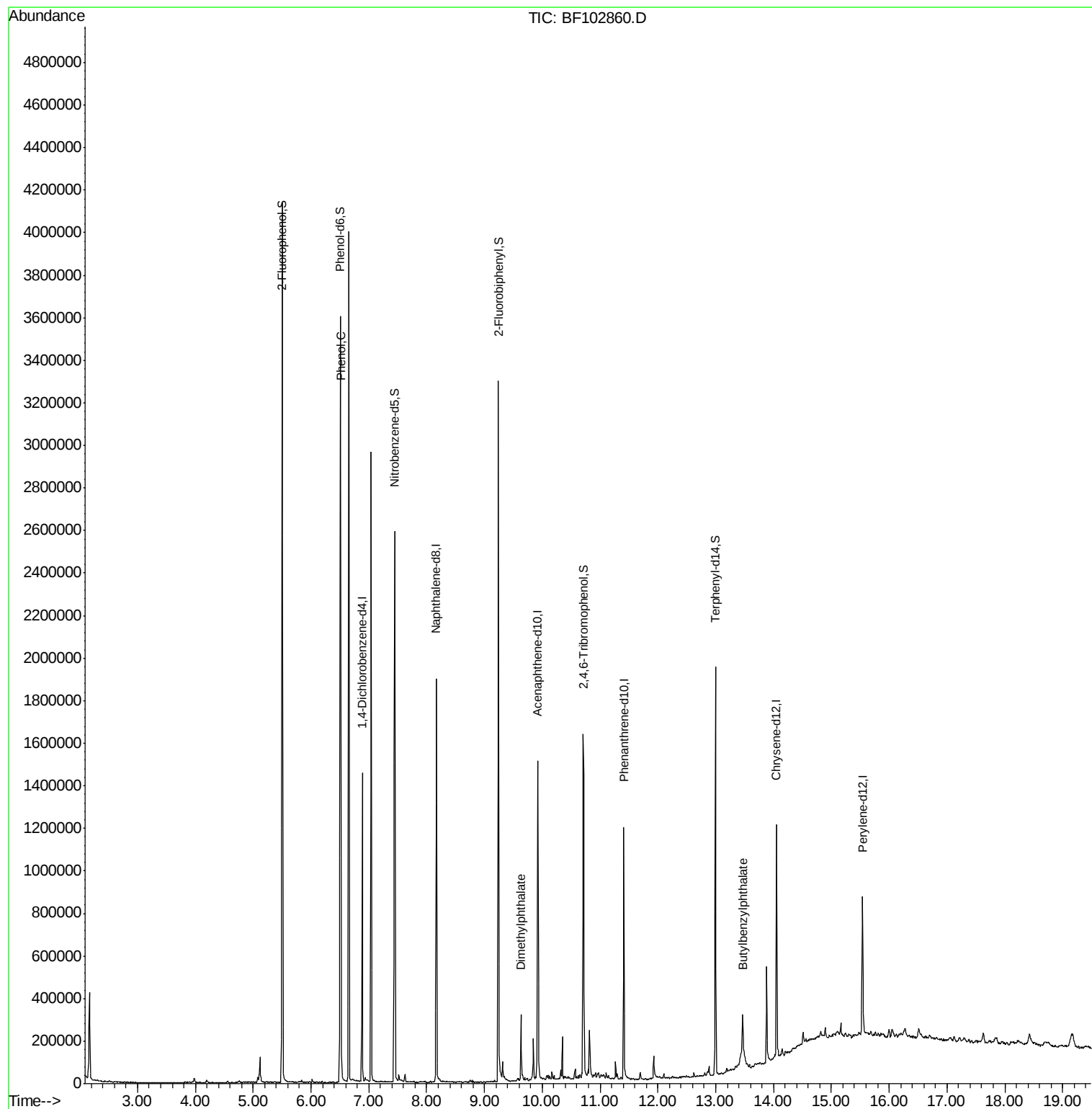
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 188634   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 768210   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 311562   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.41 | 188  | 429750   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.05 | 240  | 348504   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.54 | 264  | 302074   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1080475  | 86.99 | ng    | 0.01     |
| 7) Phenol-d6                | 6.51  | 99   | 1281901  | 85.71 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 822601   | 74.28 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 169507   | 67.59 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1059870  | 56.45 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.00 | 244  | 620996   | 42.19 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.52  | 94   | 34079    | 2.126 | ng    | 89       |
| 49) Dimethylphthalate       | 9.63  | 163  | 104212   | 4.290 | ng    | 98       |
| 79) Butylbenzylphthalate    | 13.47 | 149  | 32495    | 3.458 | ng    | 92       |

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

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
3N-7

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 05 12:44:16 2018  
Response via : Initial Calibration



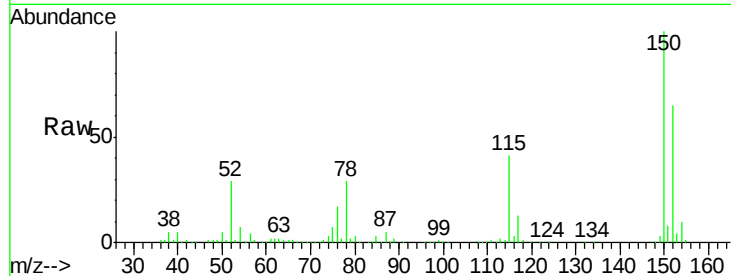


#1

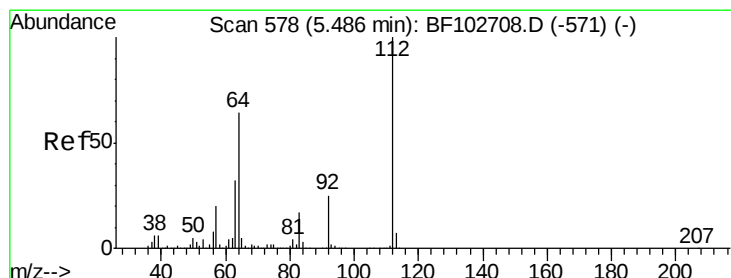
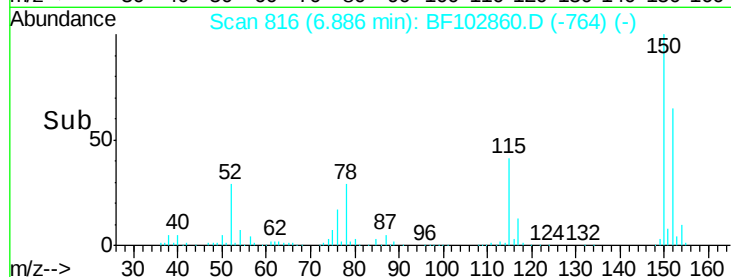
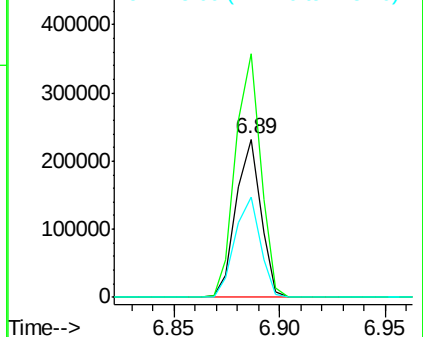
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Instrument :  
BNA\_F  
ClientSampled :  
3N-7

Tgt Ion:152 Resp: 188634  
Ion Ratio Lower Upper  
152 100  
150 154.3 124.6 186.8  
115 63.4 50.1 75.1



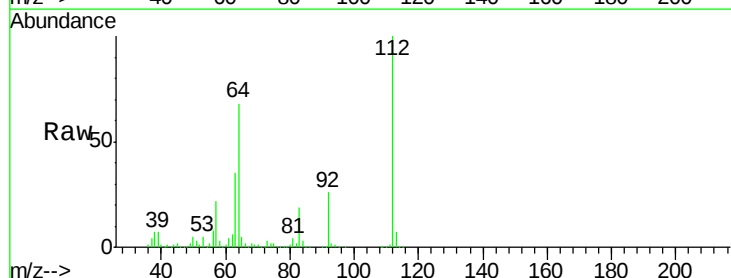
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



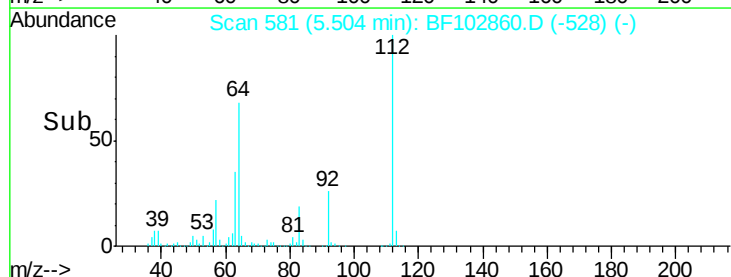
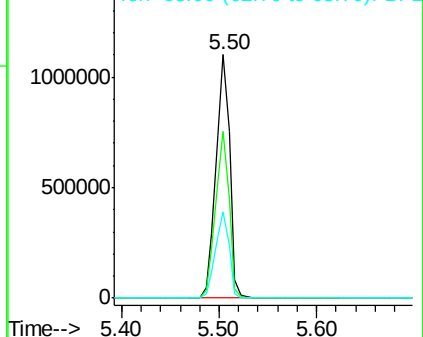
#5

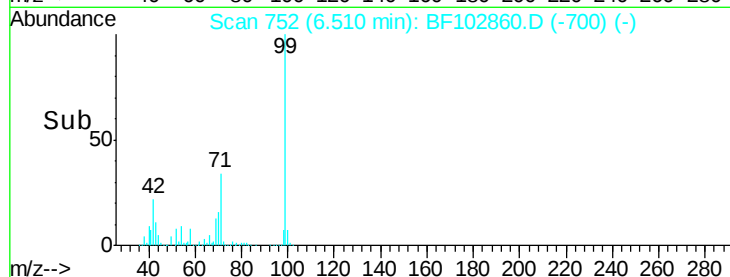
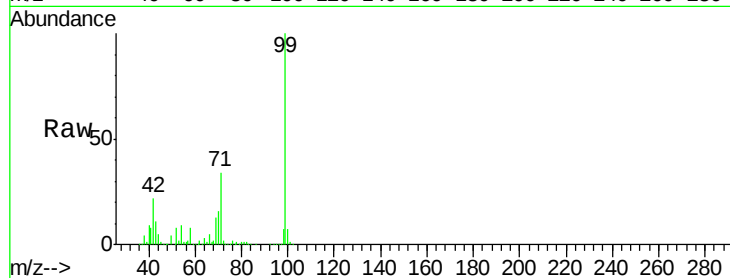
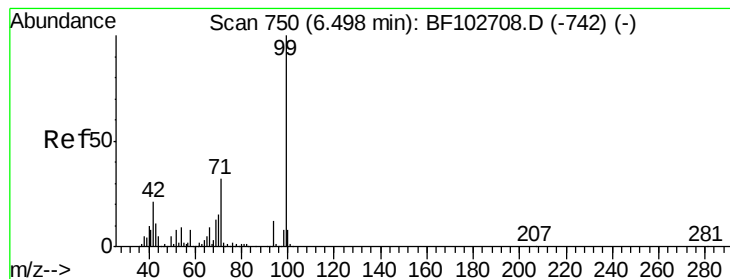
2-Fluorophenol  
Concen: 86.988 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Tgt Ion:112 Resp: 1080475  
Ion Ratio Lower Upper  
112 100  
64 68.5 47.9 71.9  
63 35.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.713 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA\_F

ClientSampleId :

3N-7

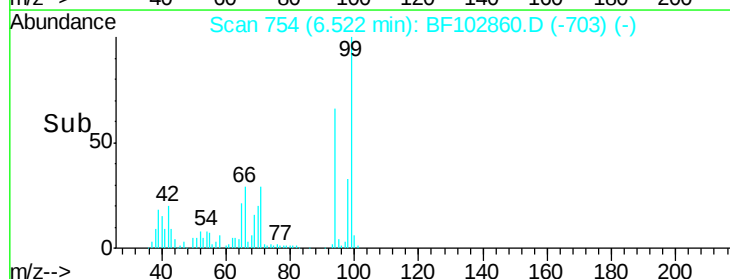
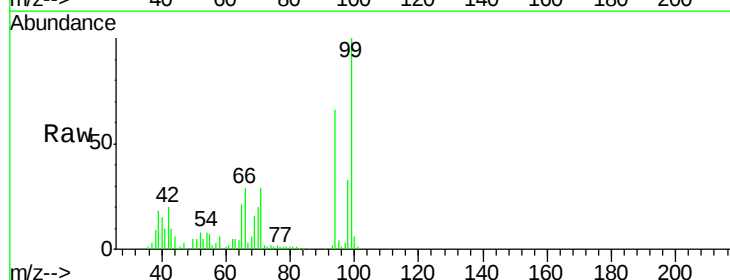
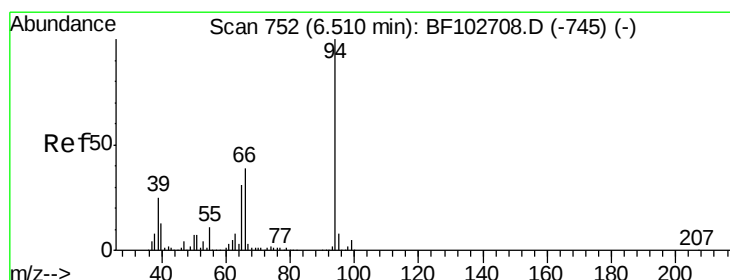
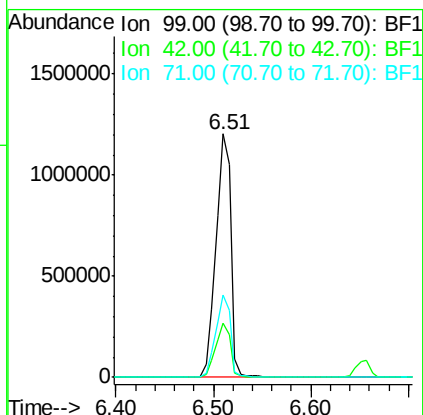
Tgt Ion: 99 Resp: 1281901

Ion Ratio Lower Upper

99 100

42 22.1 14.5 21.7#

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.126 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

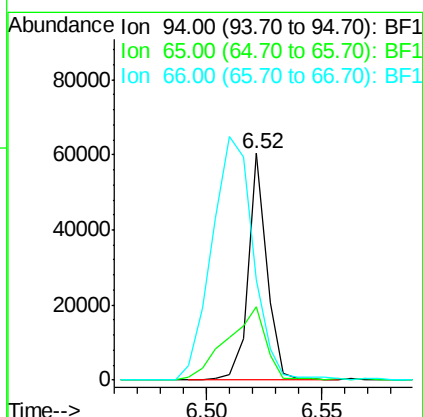
Tgt Ion: 94 Resp: 34079

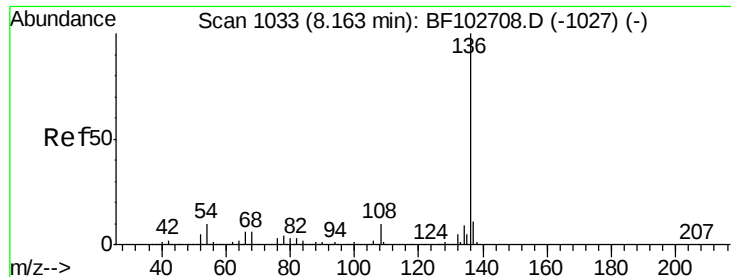
Ion Ratio Lower Upper

94 100

65 32.2 7.9 47.9

66 44.5 16.2 56.2

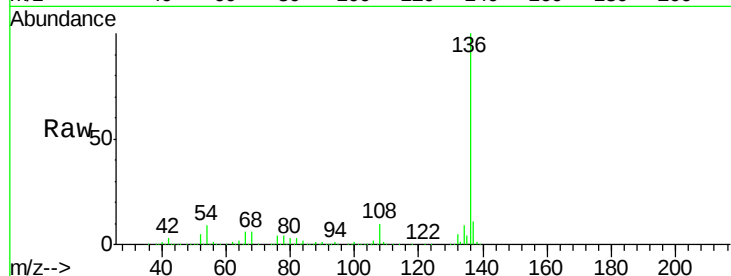




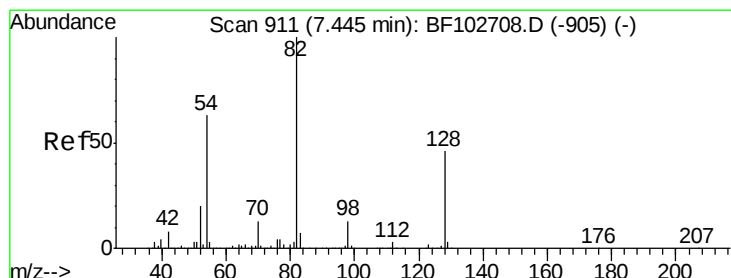
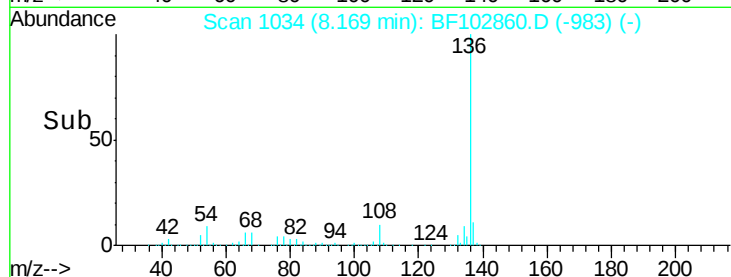
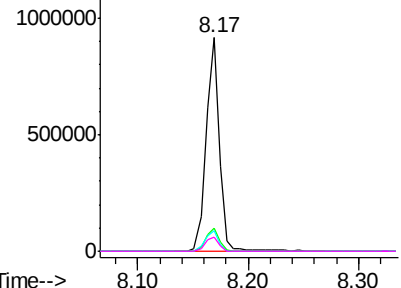
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
3N-7

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 768210 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 9.4   | 6.6   | 9.8    |
| 68       | 6.5   | 5.0   | 7.4    |

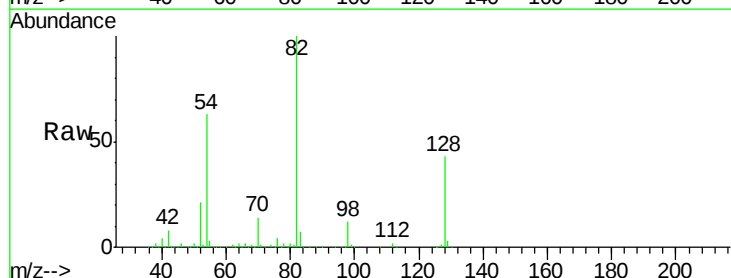


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

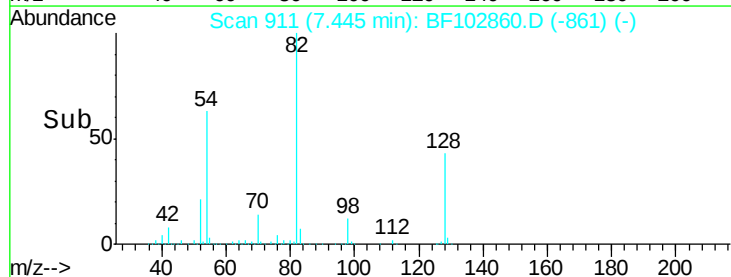
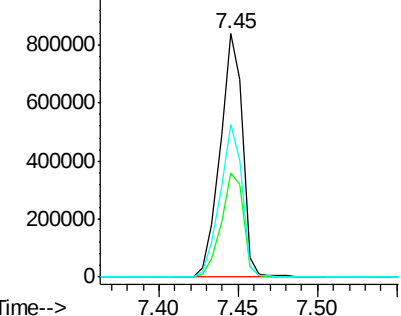


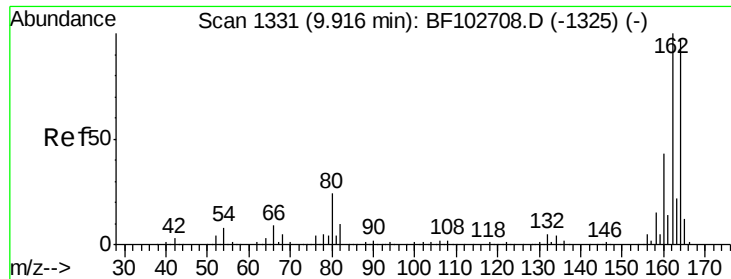
#23  
Nitrobenzene-d5  
Concen: 74.282 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 822601 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.8  | 36.1  | 54.1   |
| 54       | 62.9  | 41.4  | 62.2#  |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

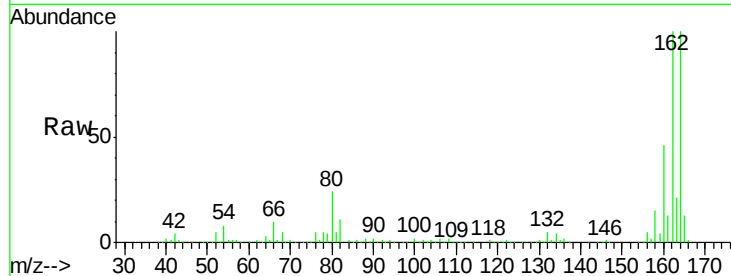




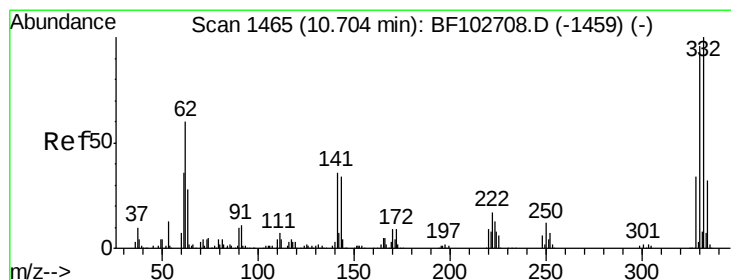
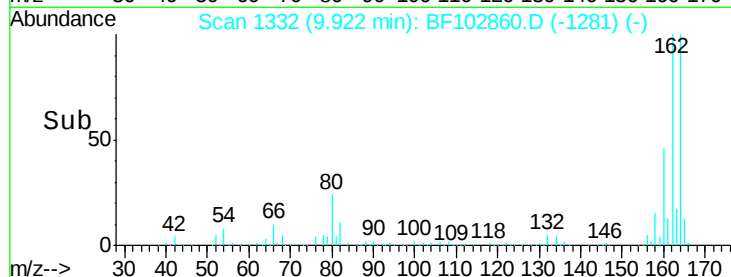
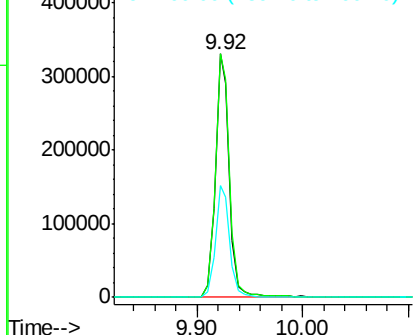
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
3N-7

Tgt Ion:164 Resp: 311562  
Ion Ratio Lower Upper  
164 100  
162 100.0 86.1 129.1  
160 45.7 38.3 57.5

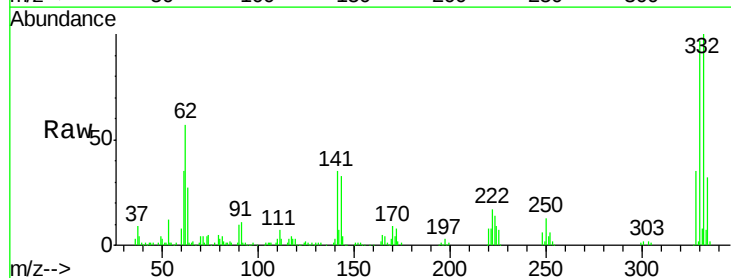


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

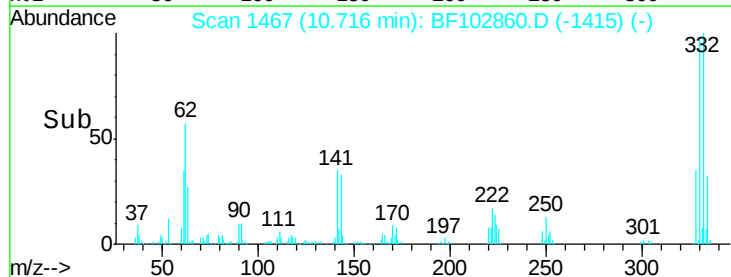
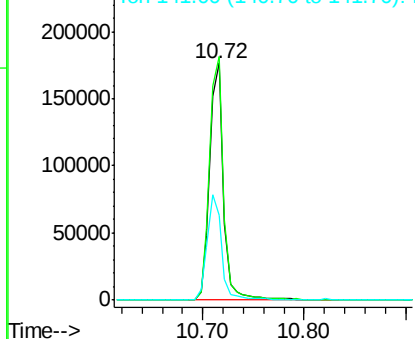


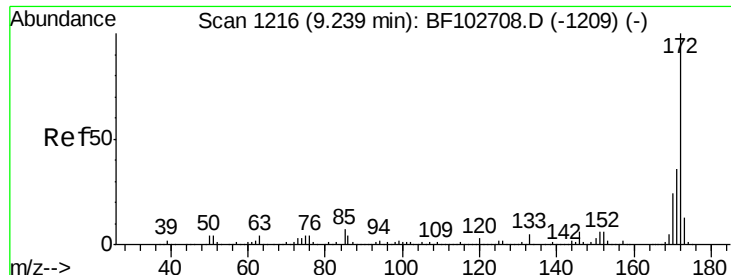
#41  
2,4,6-Tribromophenol  
Concen: 67.594 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. 0.01 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Tgt Ion:330 Resp: 169507  
Ion Ratio Lower Upper  
330 100  
332 104.3 77.0 115.6  
141 45.8 29.9 44.9#



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

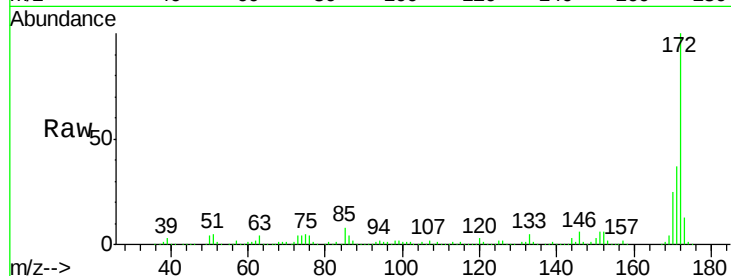




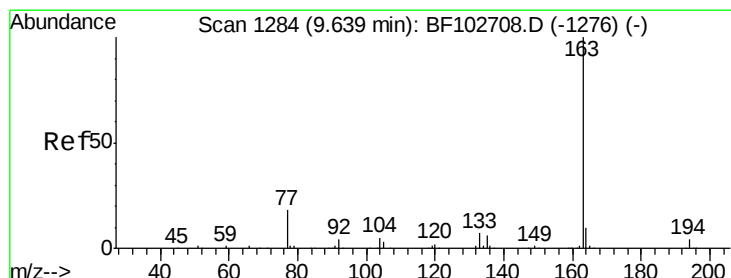
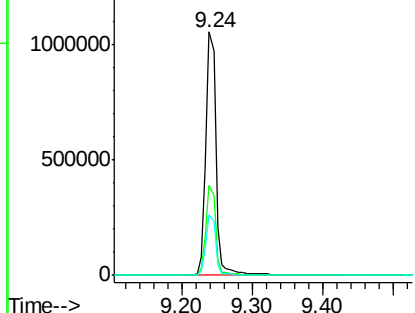
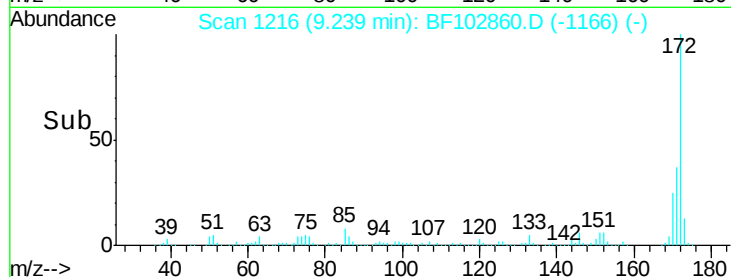
#44  
 2-Fluorobiphenyl  
 Concen: 56.448 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF102860.D  
 Acq: 8 Feb 2018 17:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-7

Tgt Ion:172 Resp: 1059870  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.7 44.5  
 170 24.7 19.6 29.4

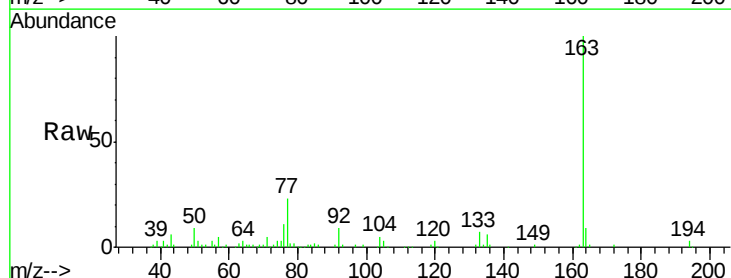


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

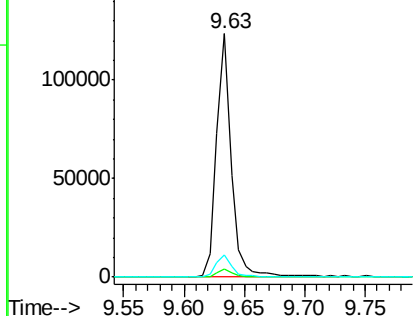
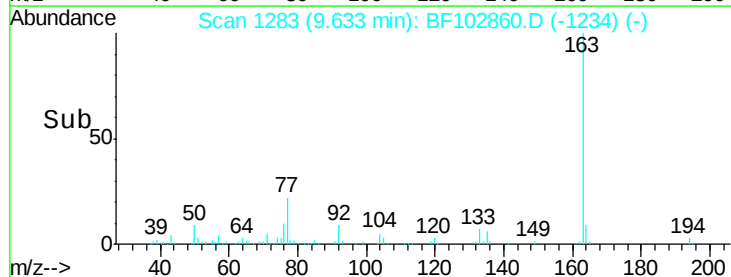


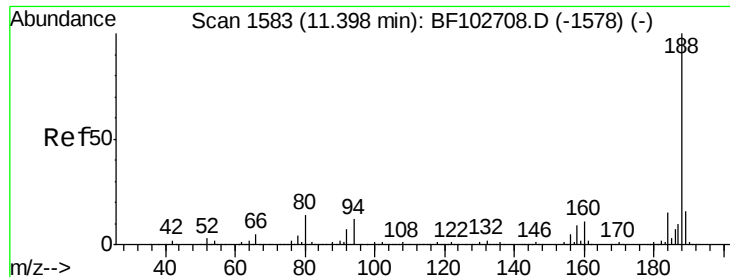
#49  
 Dimethylphthalate  
 Concen: 4.290 ng  
 RT: 9.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BF102860.D  
 Acq: 8 Feb 2018 17:07

Tgt Ion:163 Resp: 104212  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.7 4.1  
 164 9.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA\_F

ClientSampleId :

3N-7

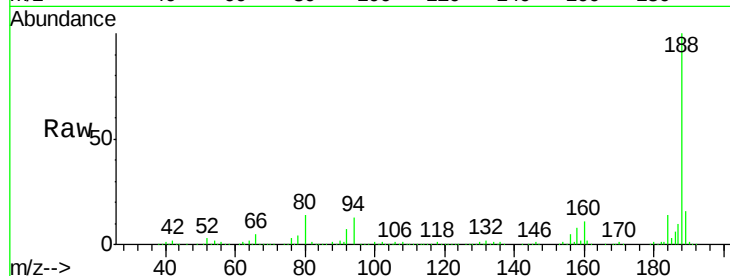
Tgt Ion:188 Resp: 429750

Ion Ratio Lower Upper

188 100

94 12.6 8.5 12.7

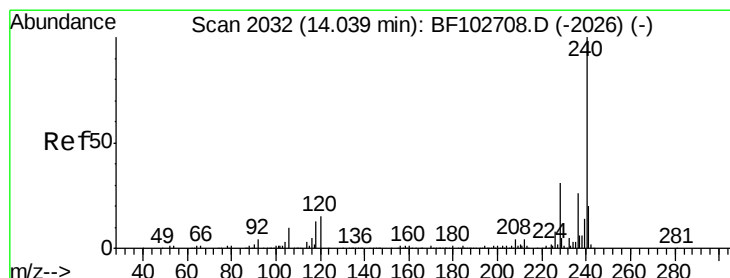
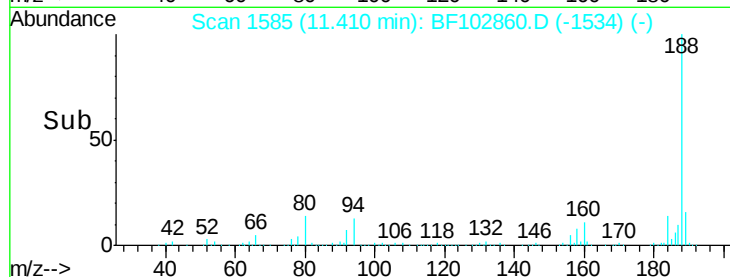
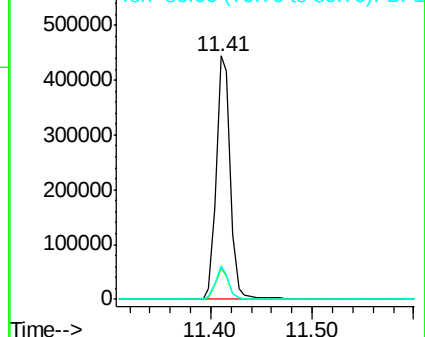
80 14.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

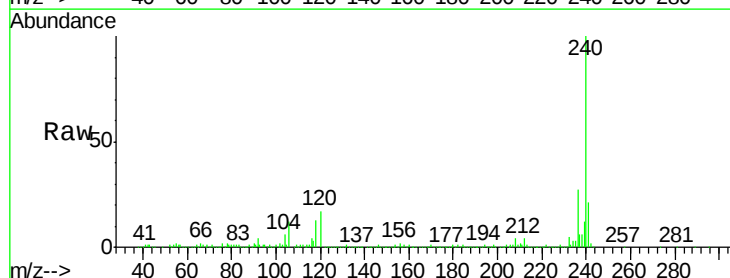
Tgt Ion:240 Resp: 348504

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

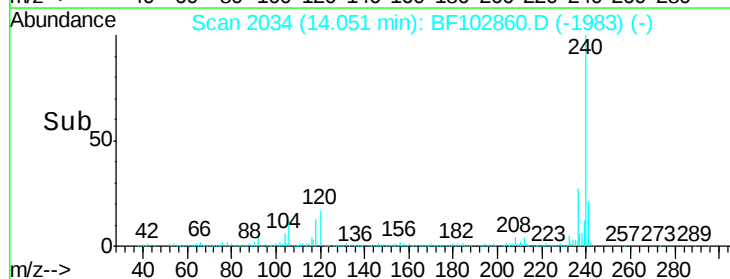
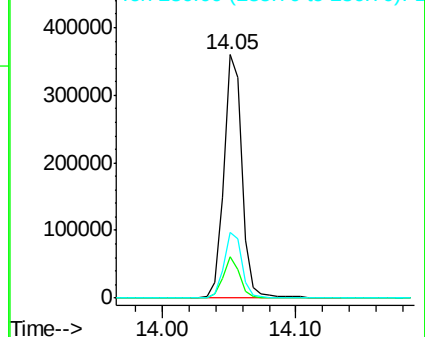
236 27.0 20.7 31.1

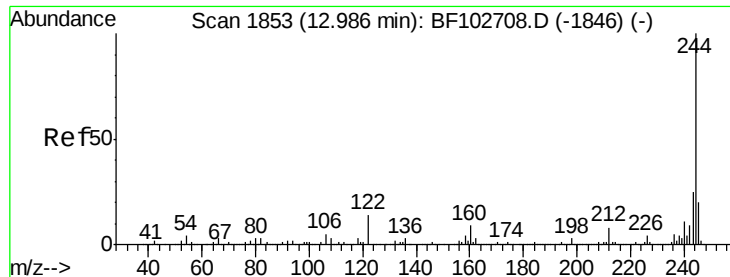


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 42.191 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

Instrument :

BNA\_F

ClientSampleId :

3N-7

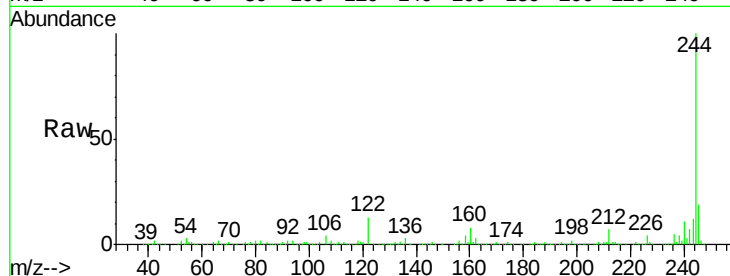
Tgt Ion:244 Resp: 620996

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

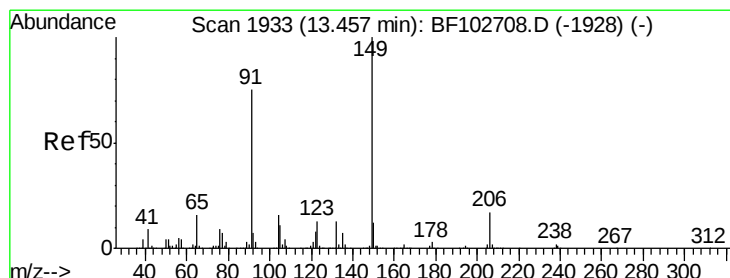
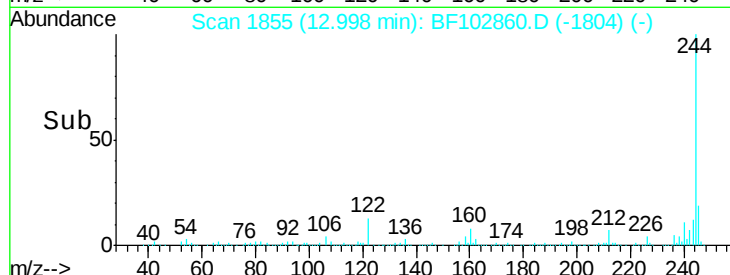
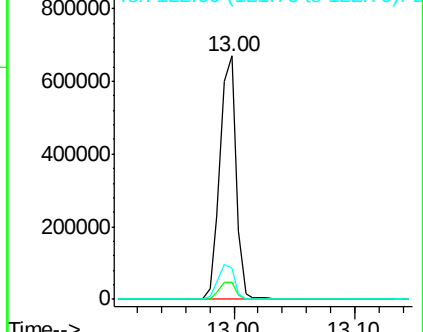
122 12.7 11.0 16.4



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: 3.458 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BF102860.D

Acq: 8 Feb 2018 17:07

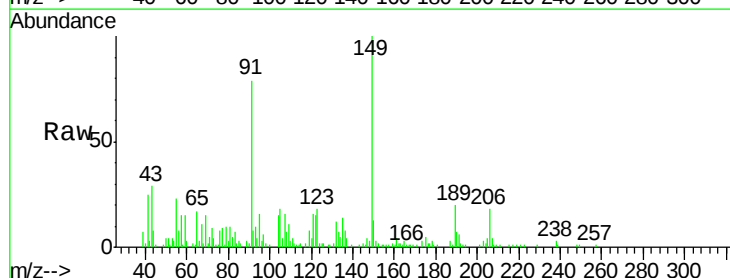
Tgt Ion:149 Resp: 32495

Ion Ratio Lower Upper

149 100

91 78.7 56.8 85.2

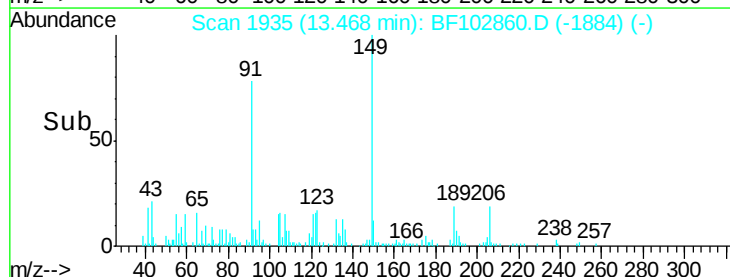
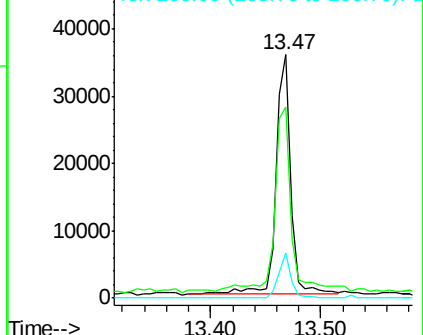
206 18.4 14.1 21.1

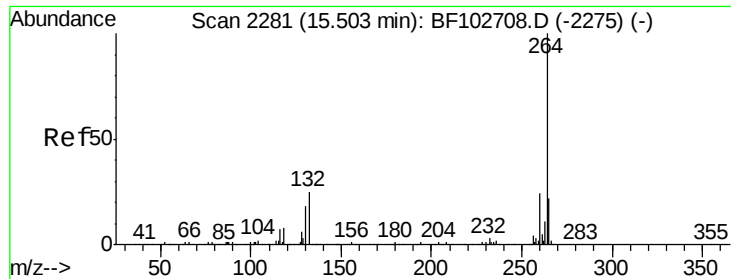


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2287  
Delta R.T. 0.01 min  
Lab File: BF102860.D  
Acq: 8 Feb 2018 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
3N-7

Tgt Ion: 264 Resp: 302074  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.2 28.8  
265 22.4 17.5 26.3

