

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\  
 Data File : BF102837.D  
 Acq On : 8 Feb 2018 1:43  
 Operator : SJ/JU  
 Sample : J1473-33 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B9

Quant Time: Feb 08 06:51:15 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

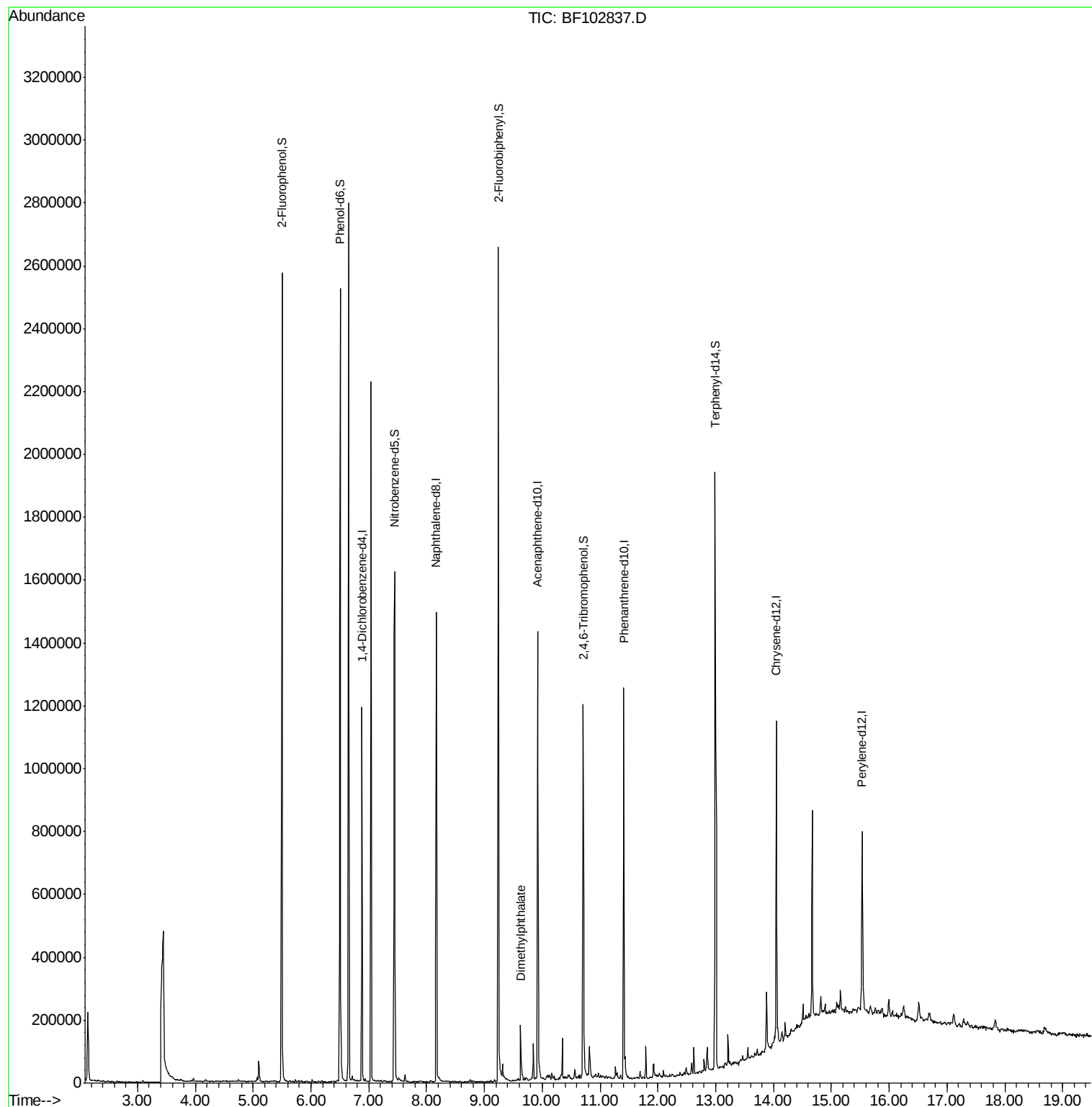
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 178268   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.17  | 136  | 703104   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.92  | 164  | 280985   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.41 | 188  | 422332   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 14.05 | 240  | 338035   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 15.53 | 264  | 253794   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.50  | 112  | 696229   | 59.31 | ng    | 0.00         |
| 7) Phenol-d6                | 6.50  | 99   | 813249   | 57.54 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 487903   | 48.14 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 130996   | 57.92 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 818441   | 48.33 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.99 | 244  | 570541   | 39.96 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.63  | 163  | 75519    | 3.447 | ng    | Qvalue<br>99 |

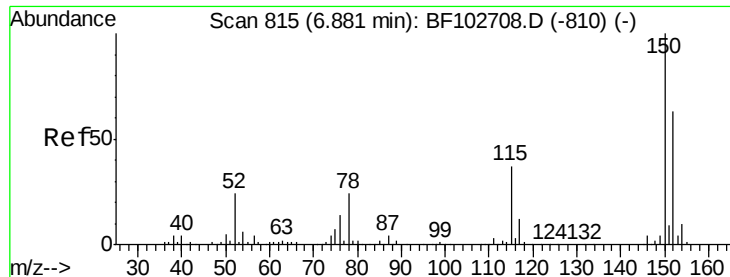
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B9

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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



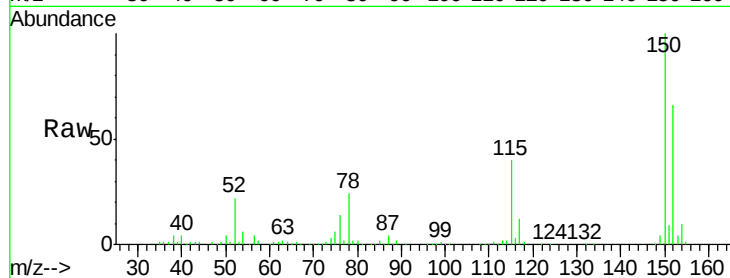


#1

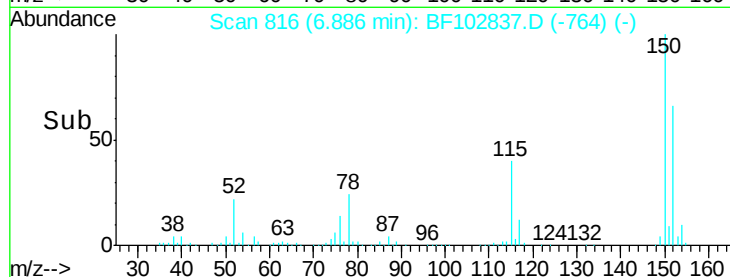
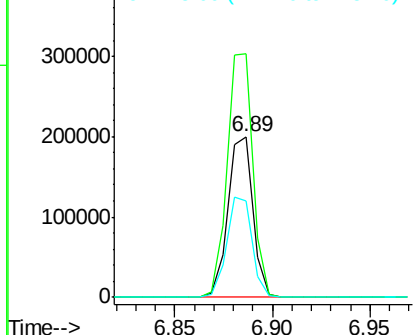
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
B9

Tot Ion:152 Resp: 178268  
Ion Ratio Lower Upper  
152 100  
150 151.6 124.6 186.8  
115 60.4 50.1 75.1



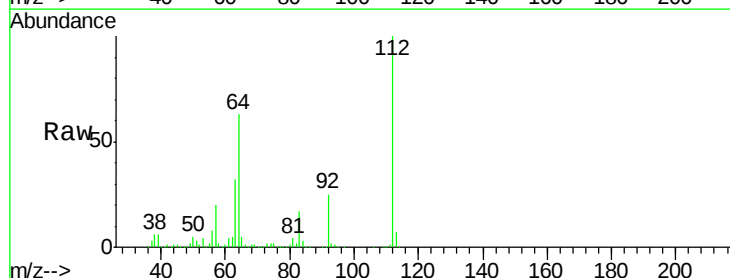
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



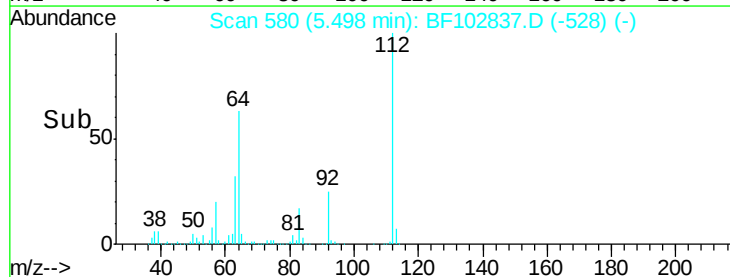
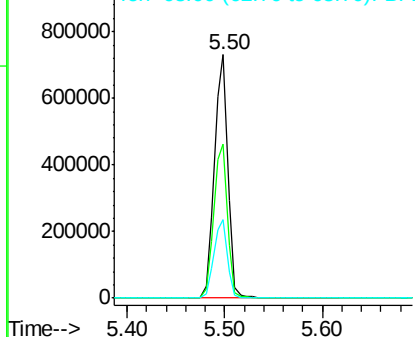
#5

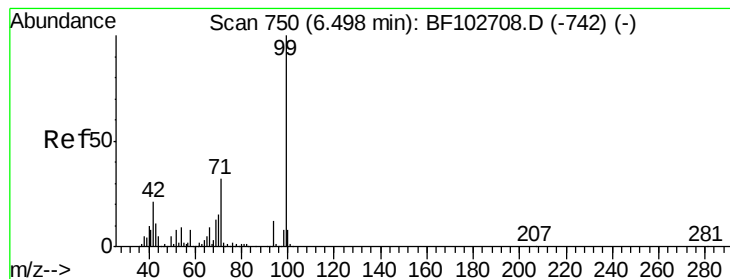
2-Fluorophenol  
Concen: 59.312 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Tgt Ion:112 Resp: 696229  
Ion Ratio Lower Upper  
112 100  
64 63.4 47.9 71.9  
63 32.4 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: 57.539 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102837.D

Acq: 8 Feb 2018 1:43

Instrument :

BNA\_F

ClientSampled :

B9

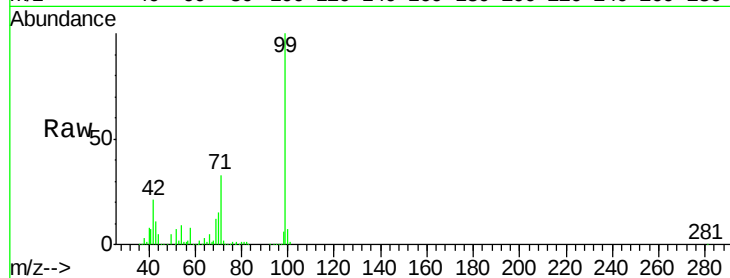
Tot Ion: 99 Resp: 813249

Ion Ratio Lower Upper

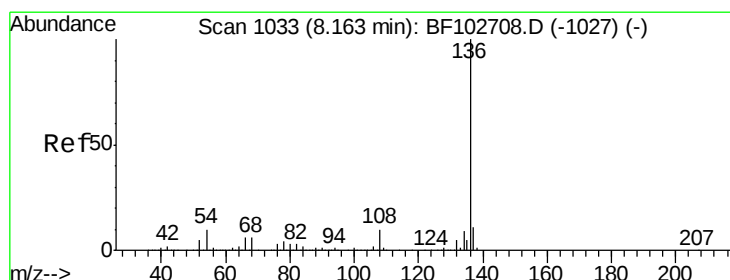
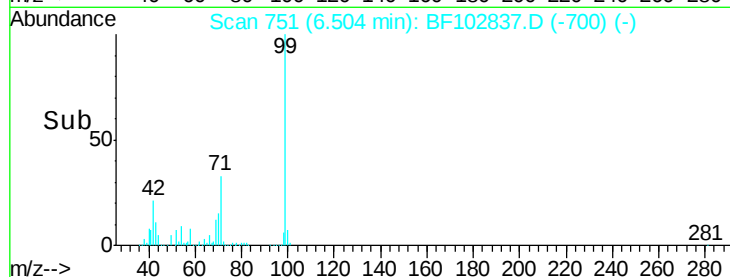
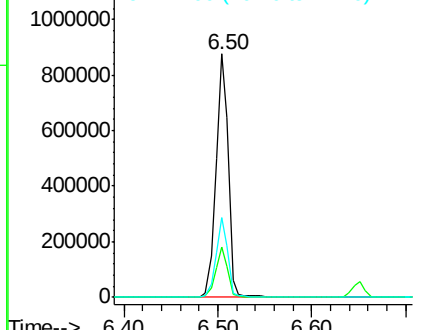
99 100

42 20.7 14.5 21.7

71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102837.D

Acq: 8 Feb 2018 1:43

Tgt Ion: 136 Resp: 703104

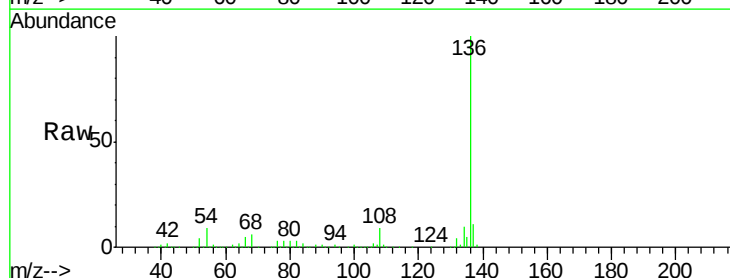
Ion Ratio Lower Upper

136 100

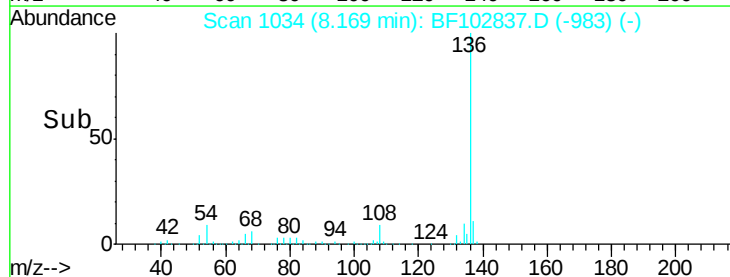
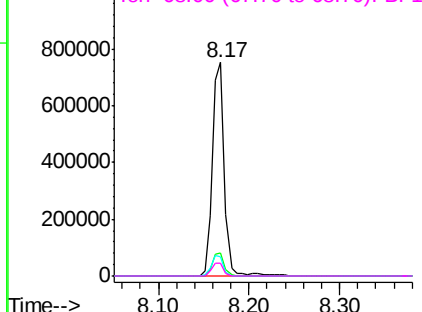
137 10.8 8.9 13.3

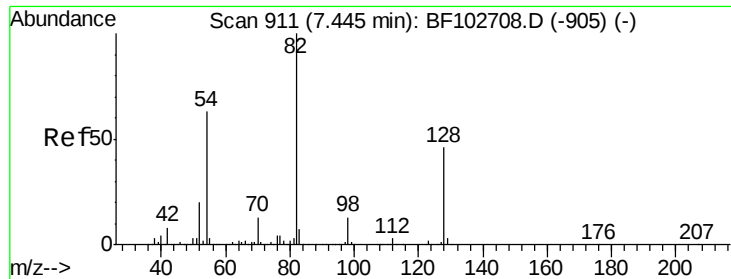
54 9.0 6.6 9.8

68 6.1 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

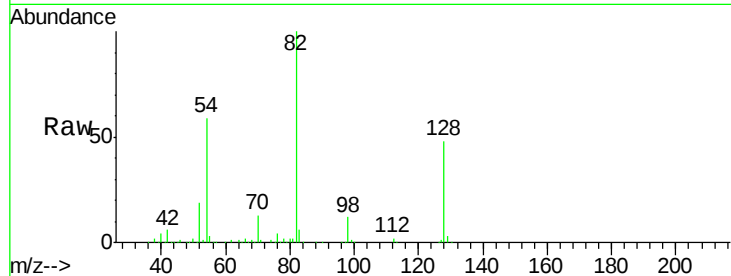




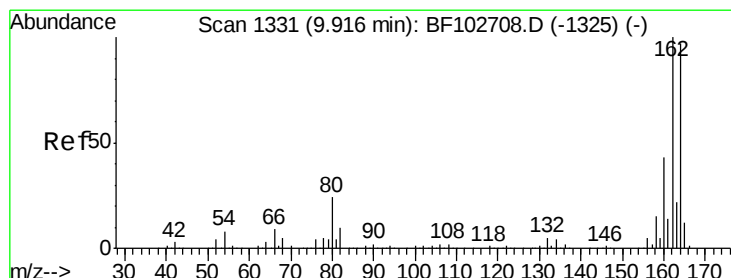
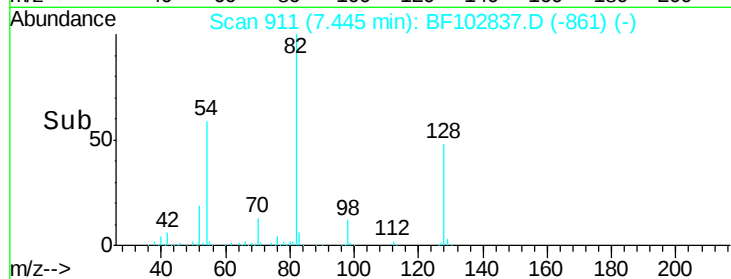
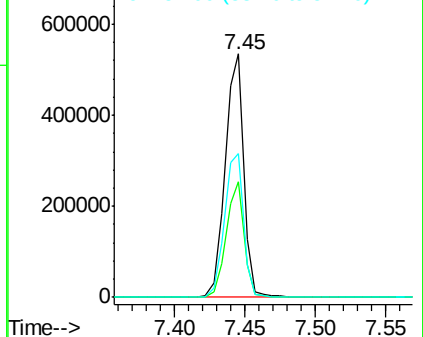
#23  
Nitrobenzene-d5  
Concen: 48.138 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Instrument :  
BNA\_F  
ClientSampled :  
B9

| Tot Ion   | 82    | Resp  | 487903 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 36.1  | 54.1   |
| 54        | 59.2  | 41.4  | 62.2   |

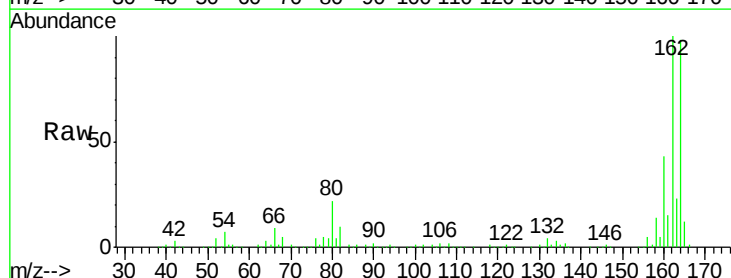


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

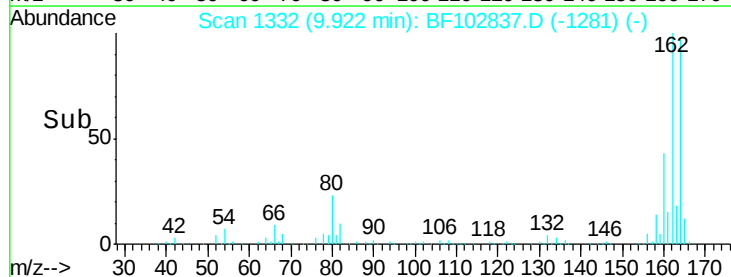
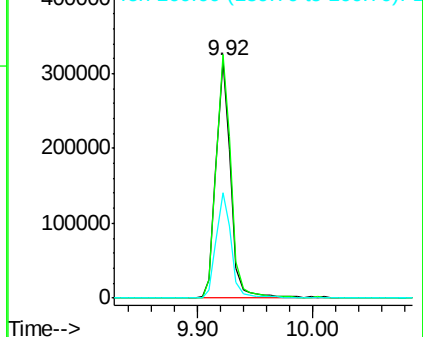


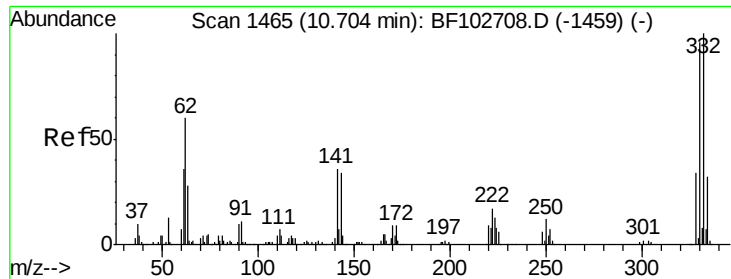
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

| Tgt Ion   | 164   | Resp  | 280985 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.5 | 86.1  | 129.1  |
| 160       | 44.5  | 38.3  | 57.5   |



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 57.922 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102837.D

Acq: 8 Feb 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

B9

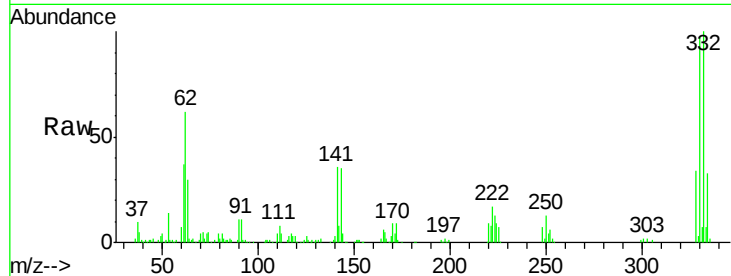
Tot Ion:330 Resp: 130996

Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

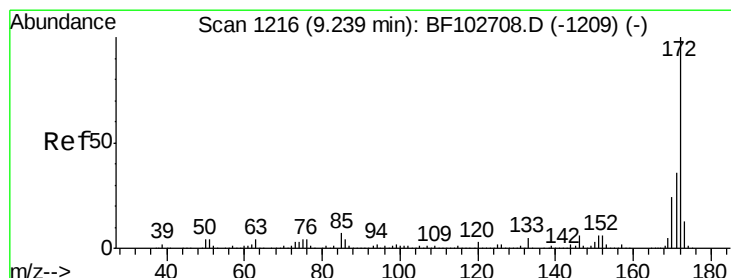
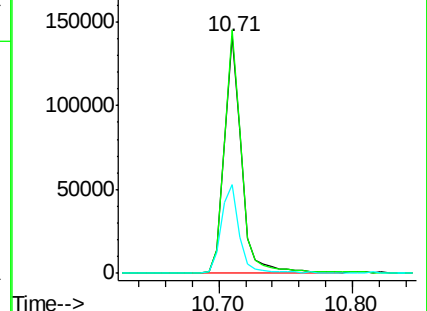
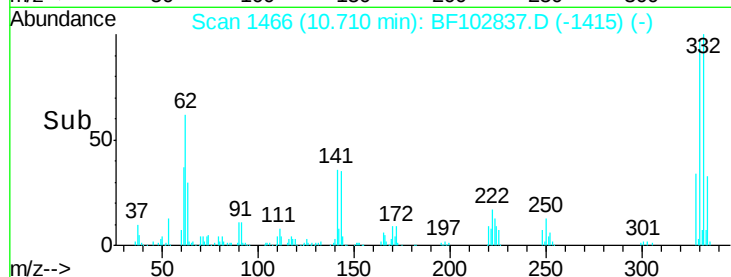
141 40.1 29.9 44.9



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: 48.333 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102837.D

Acq: 8 Feb 2018 1:43

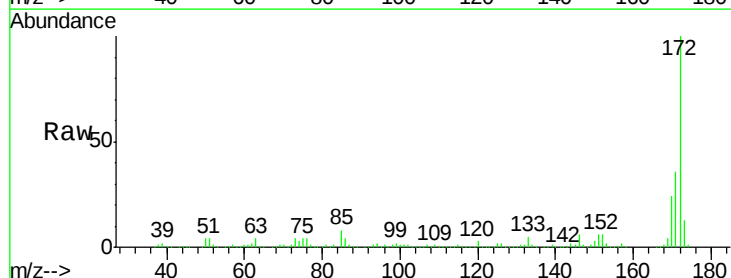
Tgt Ion:172 Resp: 818441

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

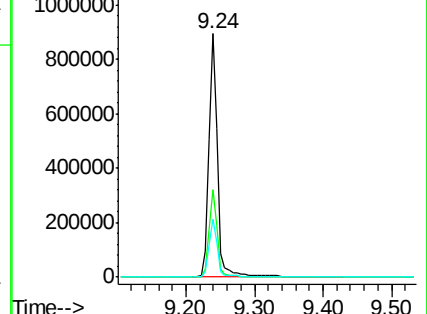
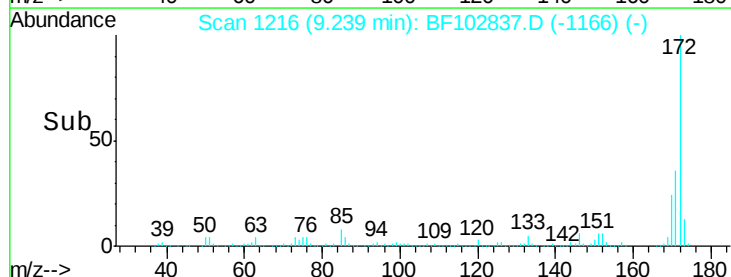
170 23.8 19.6 29.4

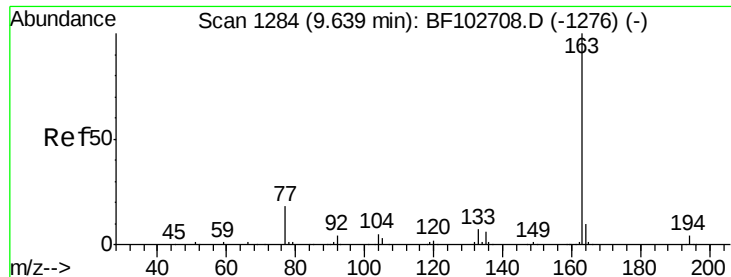


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

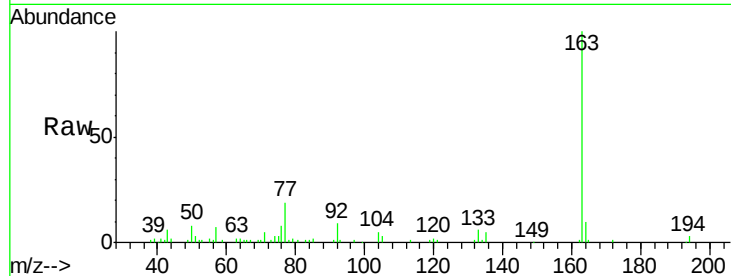




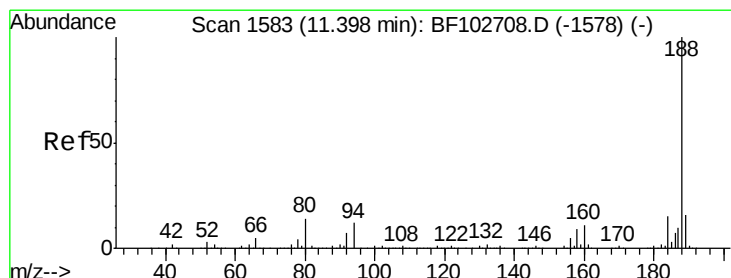
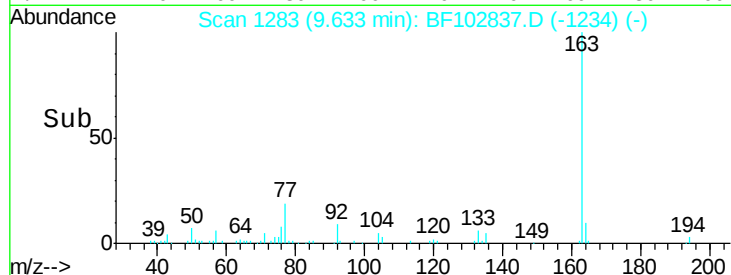
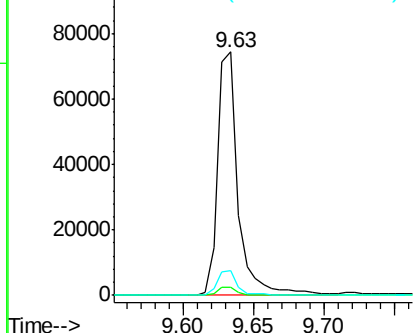
#49  
Dimethylphthalate  
Concen: 3.447 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
B9

Tot Ion:163 Resp: 75519  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.7 4.1  
164 10.0 8.2 12.2

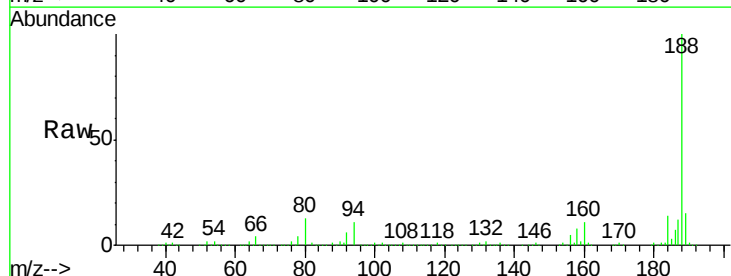


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

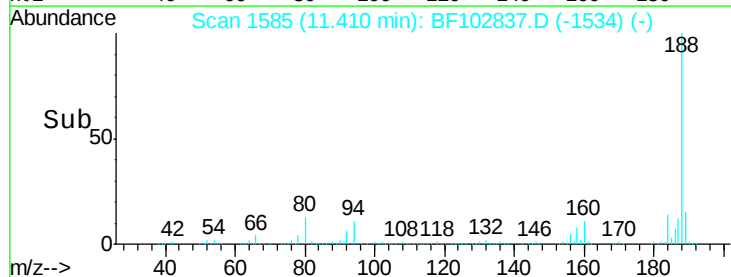
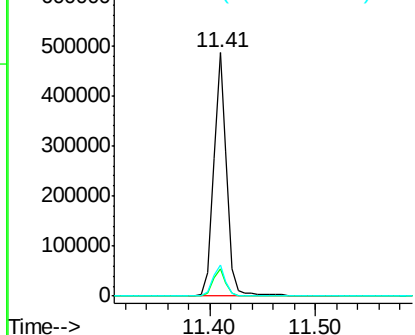


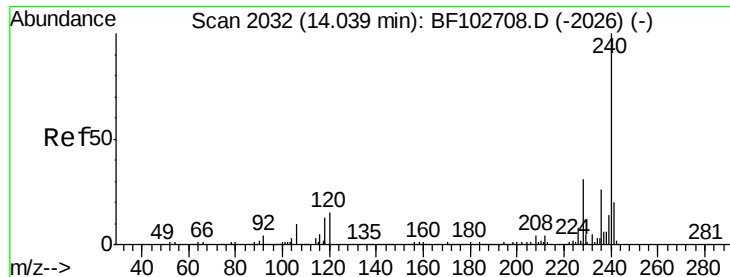
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Tgt Ion:188 Resp: 422332  
Ion Ratio Lower Upper  
188 100  
94 11.2 8.5 12.7  
80 13.0 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: BF102837.D

Acq: 8 Feb 2018 1:43

Instrument :

BNA\_F

ClientSampled :

B9

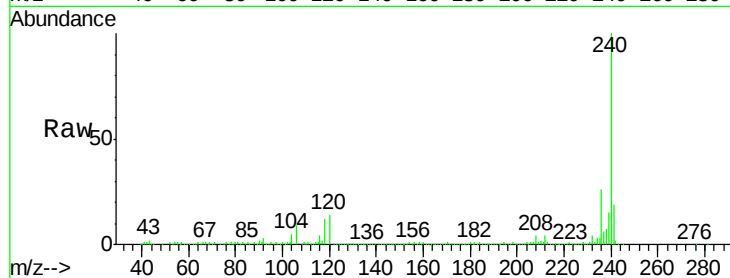
Tot Ion:240 Resp: 338035

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

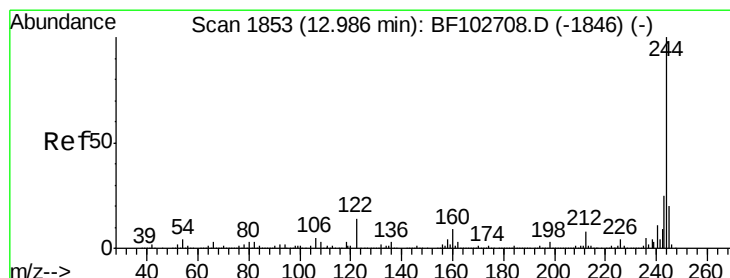
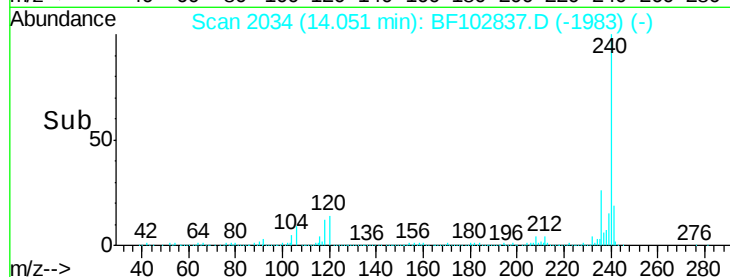
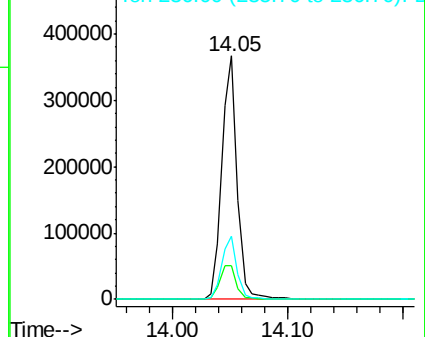
236 25.8 20.7 31.1



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: 39.964 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102837.D

Acq: 8 Feb 2018 1:43

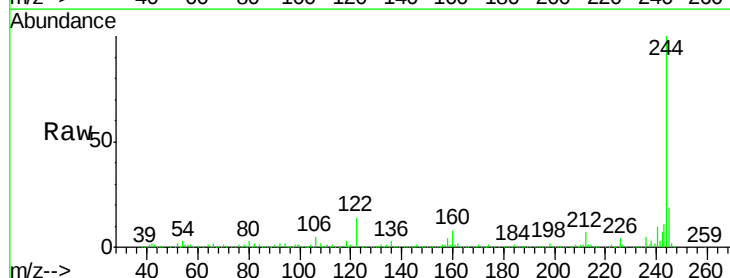
Tgt Ion:244 Resp: 570541

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

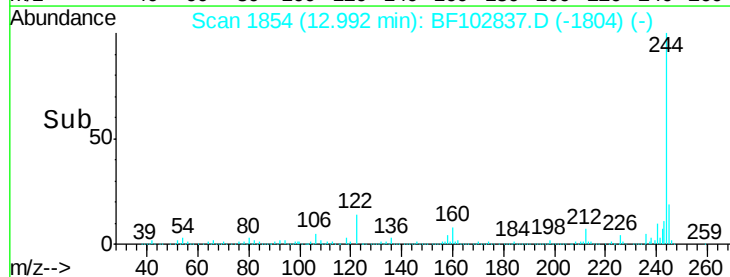
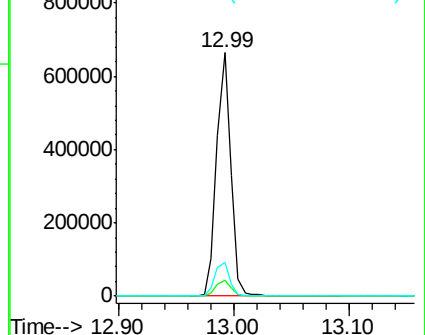
122 13.9 11.0 16.4

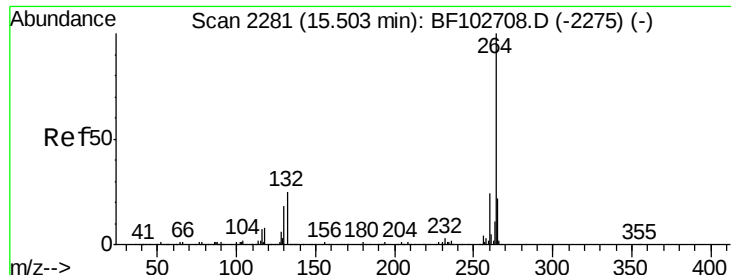


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.53 min Scan# 2286  
Delta R.T. 0.01 min  
Lab File: BF102837.D  
Acq: 8 Feb 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
B9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.7  | 17.5  | 26.3  |

