

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\  
 Data File : BF109499.D  
 Acq On : 2 Oct 2018 14:19  
 Operator : JU/SJ  
 Sample : J5155-03DL2 100X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 QNWP8-MW26S-GWDL2

Quant Time: Oct 02 14:53:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

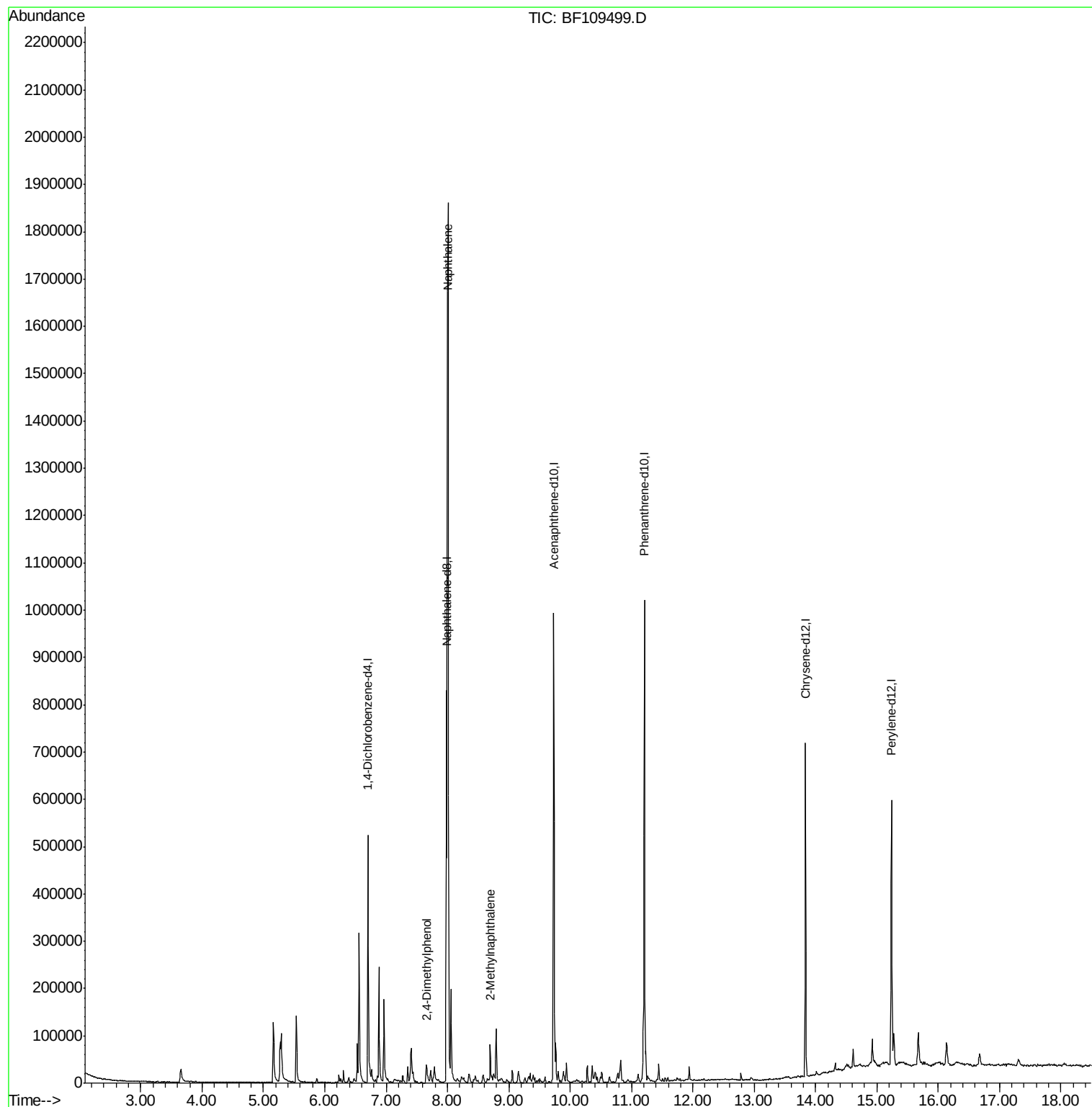
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 95820    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 386685   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 191441   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 362946   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.84 | 240  | 239106   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 260954   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.27  | 112  | 681      | 0.12   | ng    | -0.04    |
| 7) Phenol-d6                | 6.37  | 99   | 1339     | 0.18   | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 4673     | 0.71   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 1441     | 0.76   | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 10781    | 0.85   | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.79 | 244  | 7541     | 0.77   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 27) 2,4-Dimethylphenol      | 7.65  | 122  | 14890    | 2.897  | ng    | 98       |
| 31) Naphthalene             | 8.01  | 128  | 897112   | 49.647 | ng    | 100      |
| 37) 2-Methylnaphthalene     | 8.70  | 142  | 23986    | 2.059  | ng    | 99       |

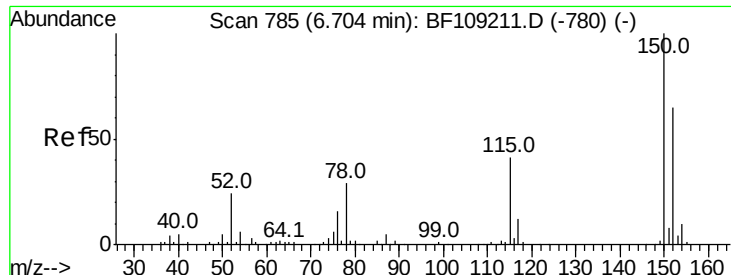
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 22 13:32:18 2018  
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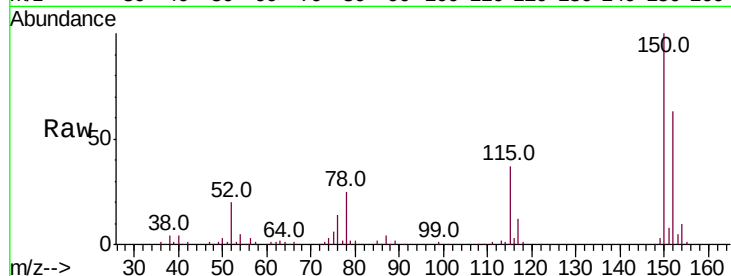


#1

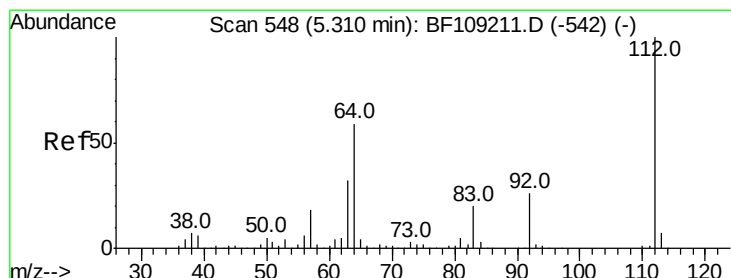
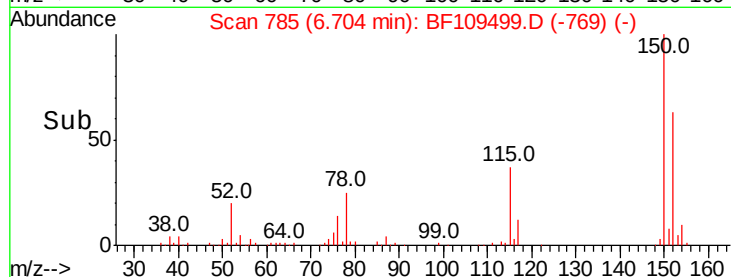
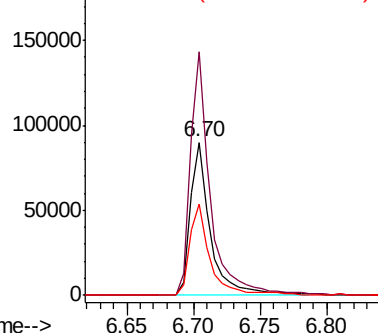
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109499.D  
Acq: 2 Oct 2018 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
QNWP8-MW26S-GWDL2

Tot Ion:152 Resp: 95820  
Ion Ratio Lower Upper  
152 100  
150 159.0 124.6 186.8  
115 59.3 50.1 75.1



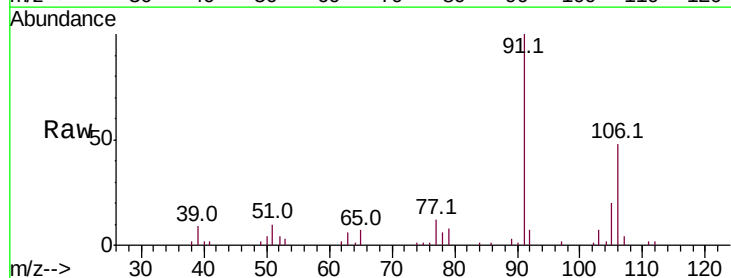
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



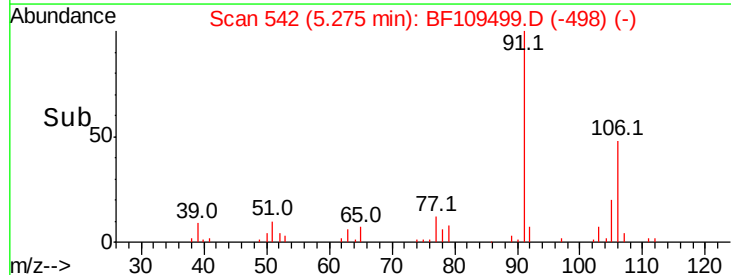
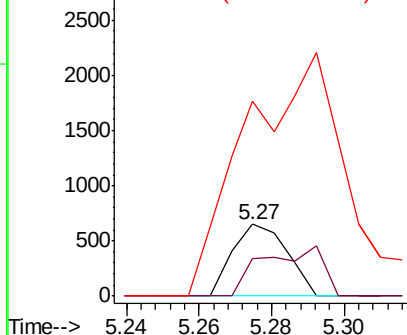
#5

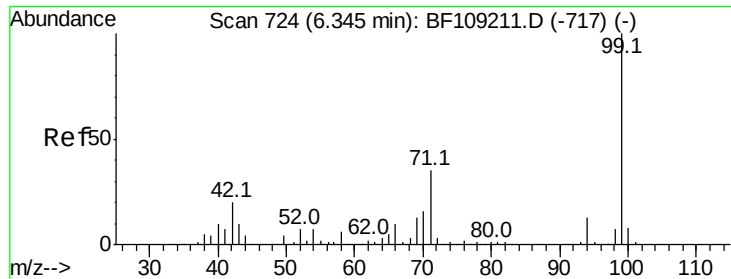
2-Fluorophenol  
Concen: 0.117 ng  
RT: 5.27 min Scan# 542  
Delta R.T. -0.04 min  
Lab File: BF109499.D  
Acq: 2 Oct 2018 14:19

Tgt Ion:112 Resp: 681  
Ion Ratio Lower Upper  
112 100  
64 52.8 47.9 71.9  
63 270.3 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: 0.180 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA\_F

ClientSampleId :

QNWP8-MW26S-GWDL2

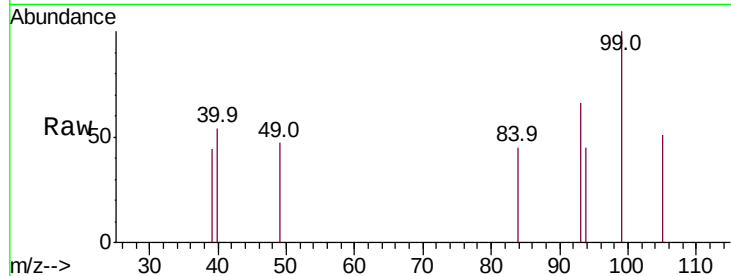
Tot Ion: 99 Resp: 1339

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

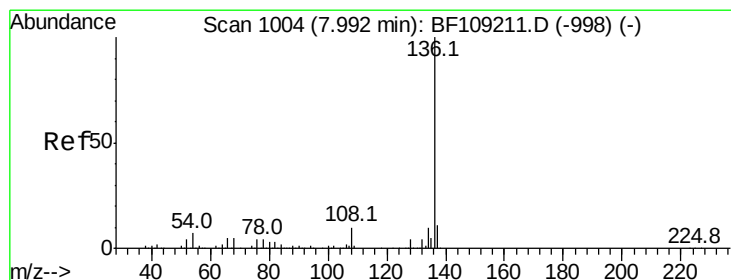
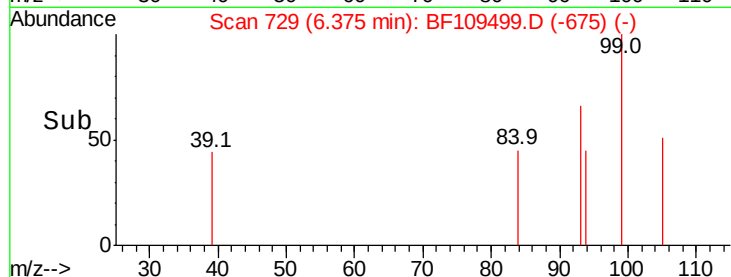
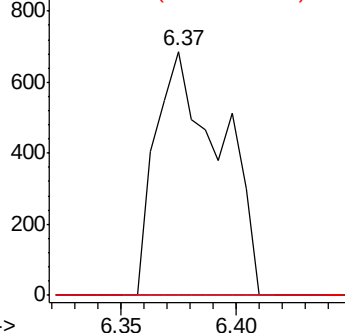
71 0.0 25.4 38.0#



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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Tgt Ion: 136 Resp: 386685

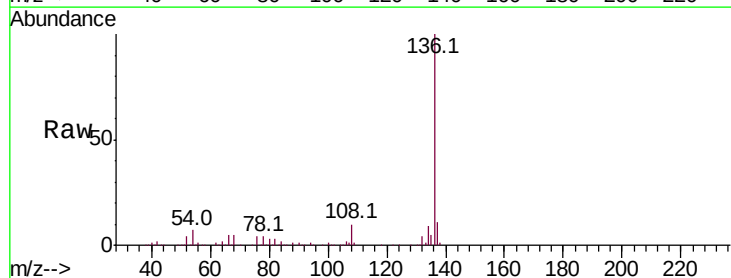
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.8 6.6 9.8

68 5.5 5.0 7.4

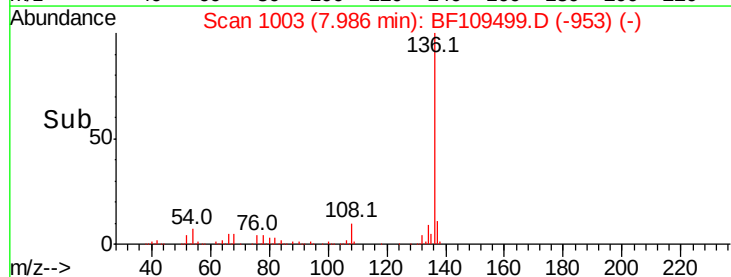
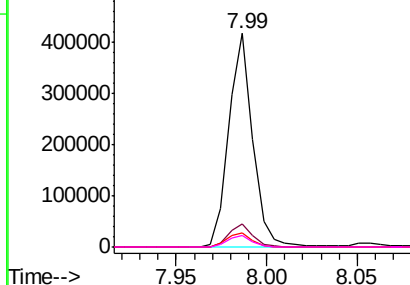


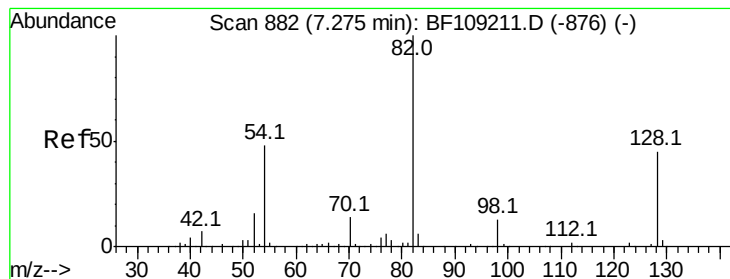
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.713 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA\_F

ClientSampleId :

QNWP8-MW26S-GWDL2

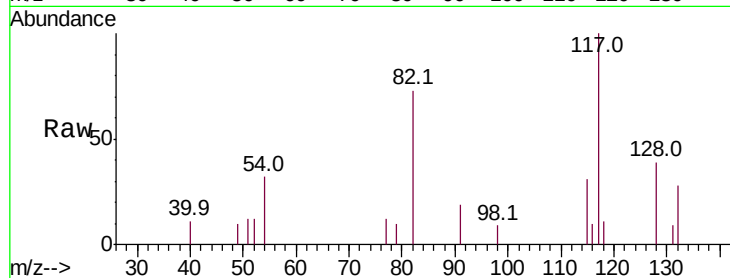
Tot Ion: 82 Resp: 4673

Ion Ratio Lower Upper

82 100

128 53.6 36.1 54.1

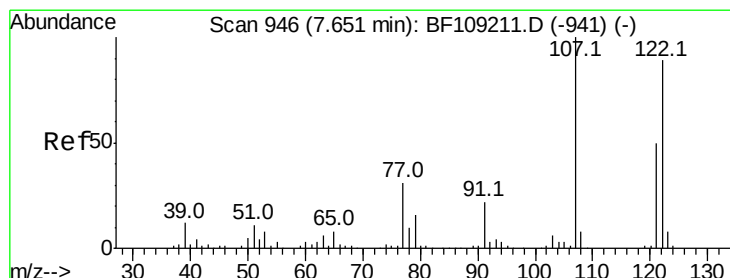
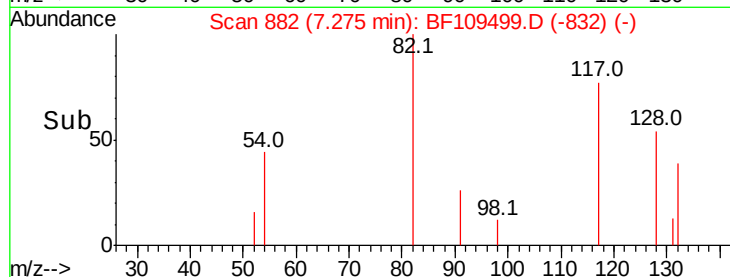
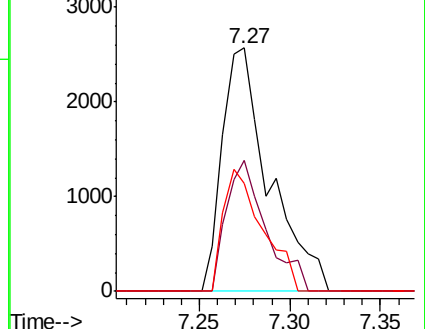
54 44.1 41.4 62.2



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



#27

2,4-Dimethylphenol

Concen: 2.897 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

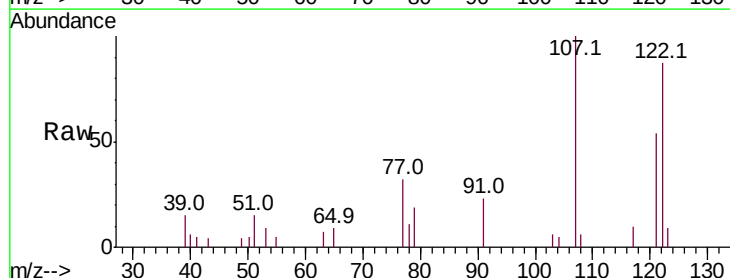
Tgt Ion:122 Resp: 14890

Ion Ratio Lower Upper

122 100

107 114.7 91.2 136.8

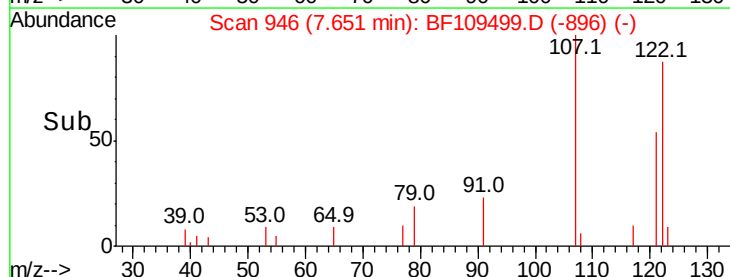
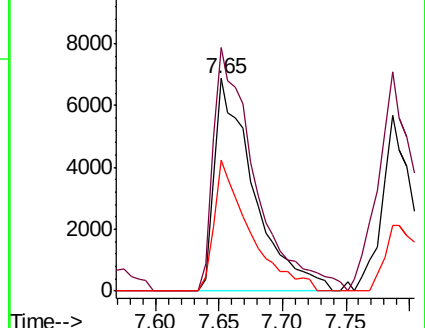
121 61.9 47.2 70.8

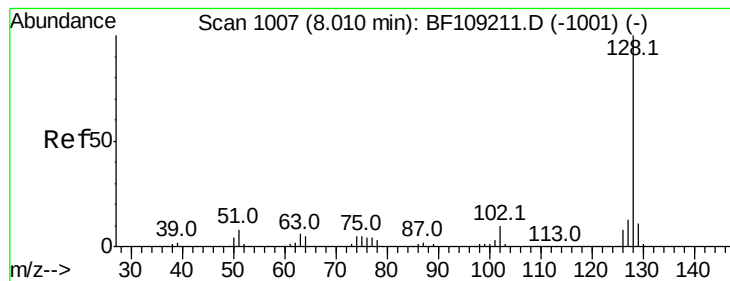


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 49.647 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA\_F

ClientSampleId :

QNWP8-MW26S-GWDL2

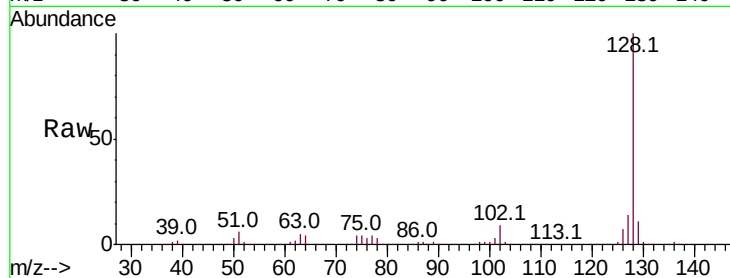
Tot Ion:128 Resp: 897112

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

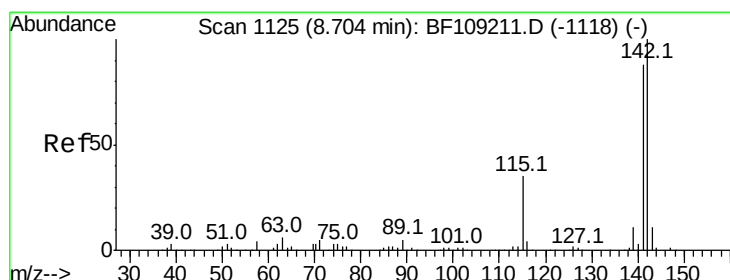
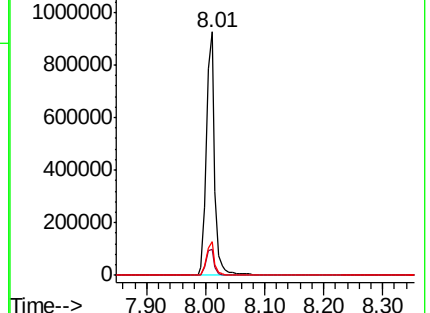
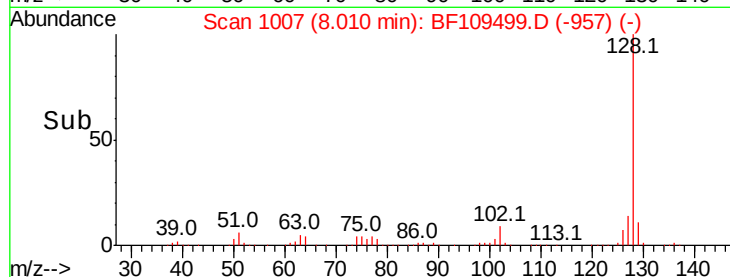
127 13.6 10.9 16.3



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



#37

2-Methylnaphthalene

Concen: 2.059 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

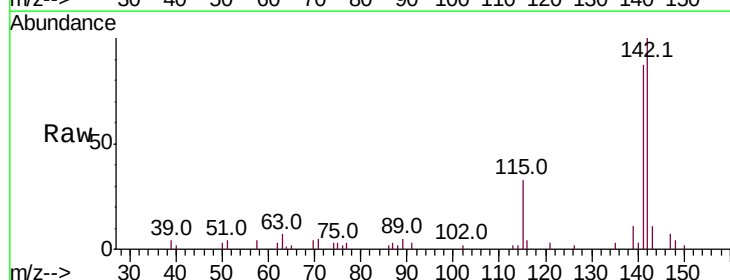
Tgt Ion:142 Resp: 23986

Ion Ratio Lower Upper

142 100

141 86.9 70.8 106.2

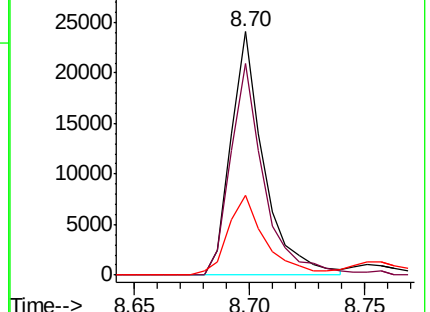
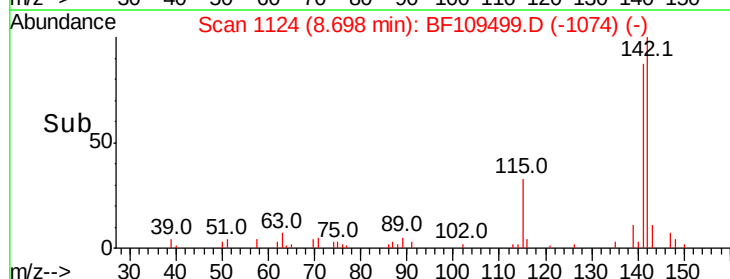
115 32.7 26.1 39.1

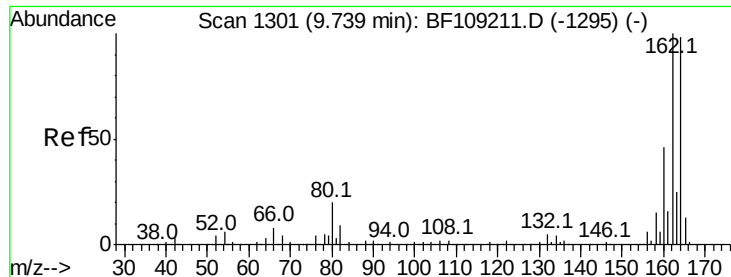


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

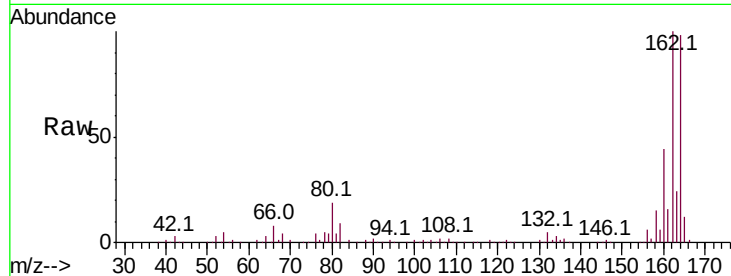




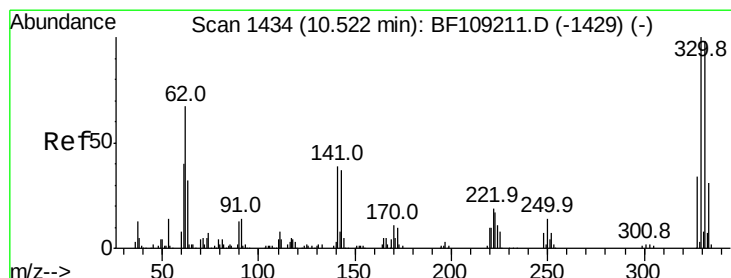
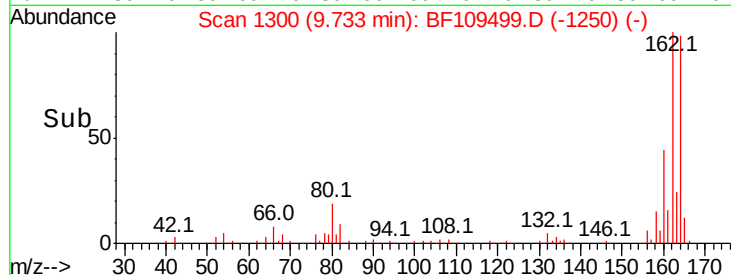
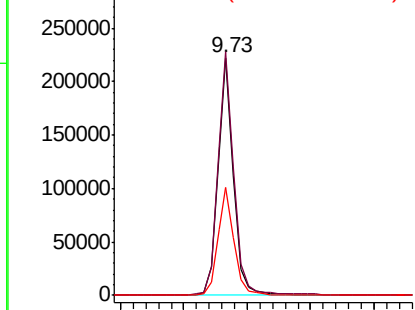
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF109499.D  
Acq: 2 Oct 2018 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
QNWP8-MW26S-GWDL2

Tot Ion:164 Resp: 191441  
Ion Ratio Lower Upper  
164 100  
162 102.4 86.1 129.1  
160 45.4 38.3 57.5

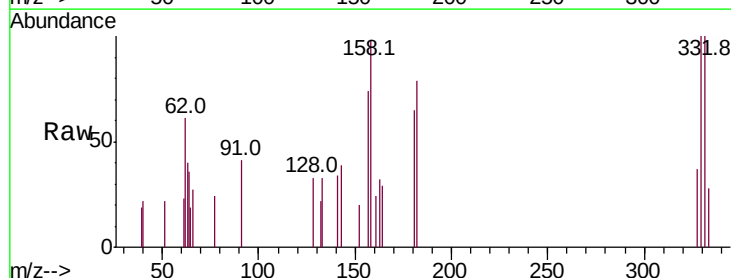


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

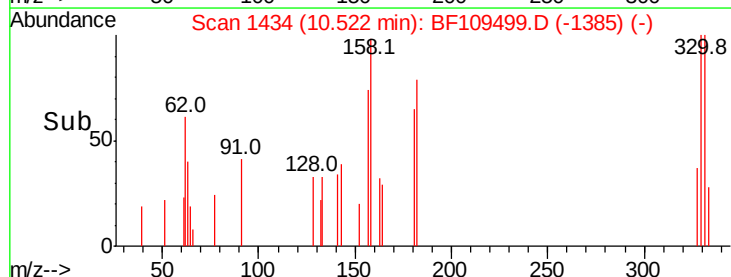
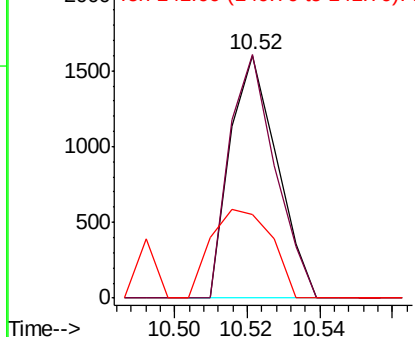


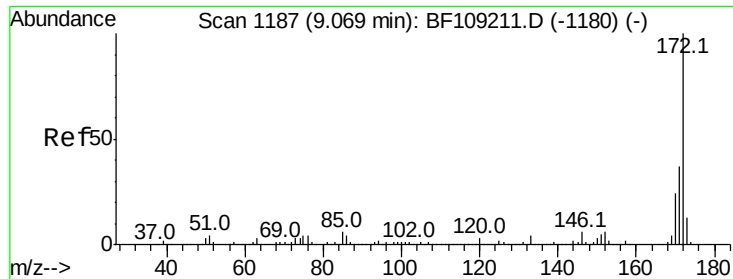
#41  
2,4,6-Tribromophenol  
Concen: 0.764 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BF109499.D  
Acq: 2 Oct 2018 14:19

Tgt Ion:330 Resp: 1441  
Ion Ratio Lower Upper  
330 100  
332 98.1 77.0 115.6  
141 47.1 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

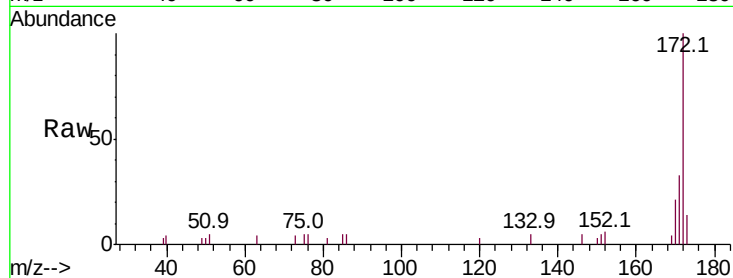




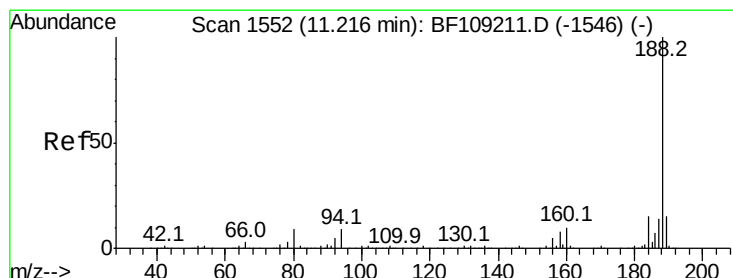
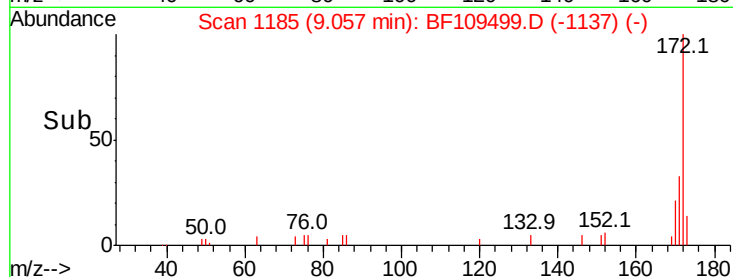
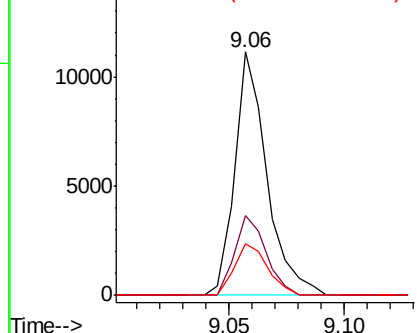
#44  
 2-Fluorobiphenyl  
 Concen: 0.849 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF109499.D  
 Acq: 2 Oct 2018 14:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 QNWP8-MW26S-GWDL2

Tot Ion:172 Resp: 10781  
 Ion Ratio Lower Upper  
 172 100  
 171 33.0 29.7 44.5  
 170 21.2 19.6 29.4

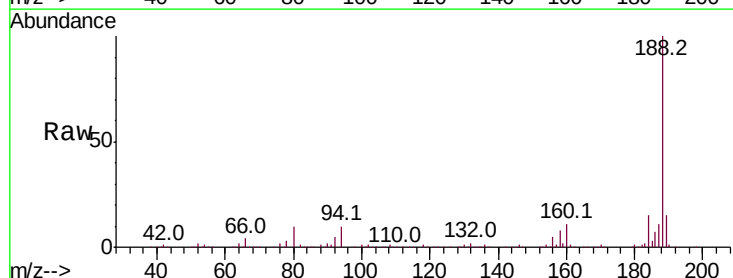


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

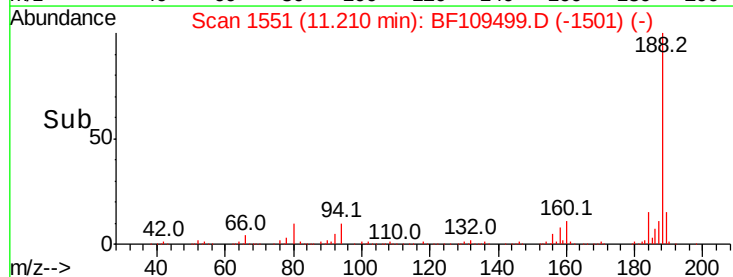
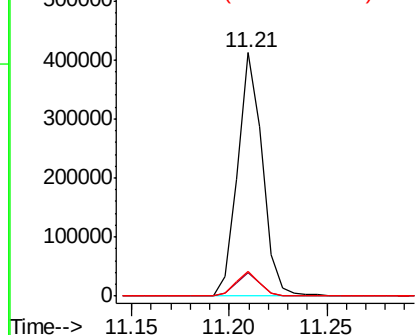


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BF109499.D  
 Acq: 2 Oct 2018 14:19

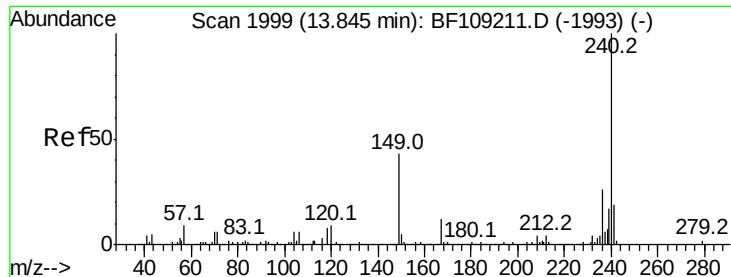
Tgt Ion:188 Resp: 362946  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.5 12.7  
 80 10.0 9.2 13.8



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA\_F

ClientSampleId :

QNWP8-MW26S-GWDL2

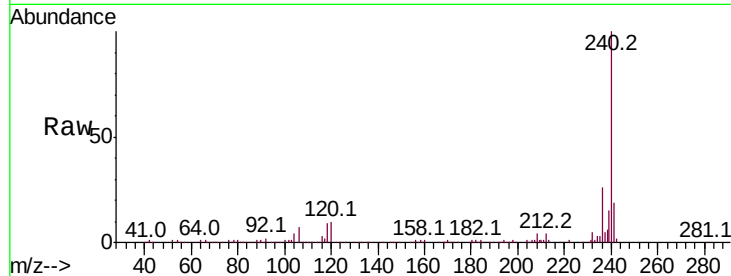
Tot Ion:240 Resp: 239106

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

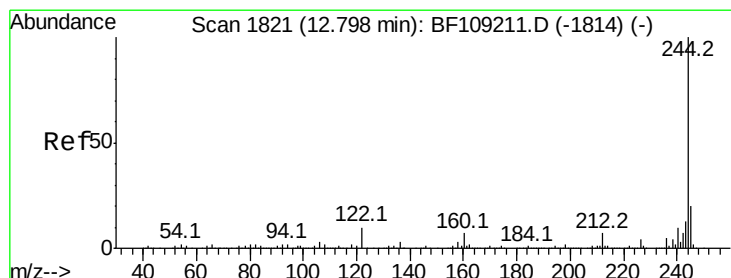
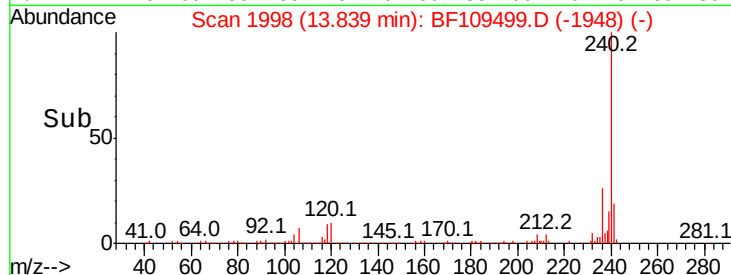
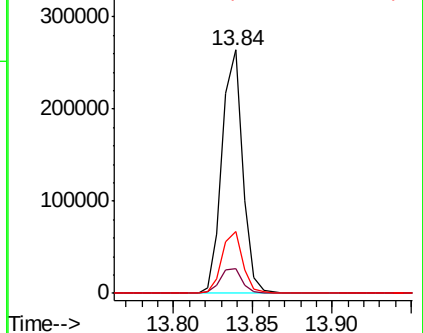
236 25.6 20.7 31.1



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: 0.774 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

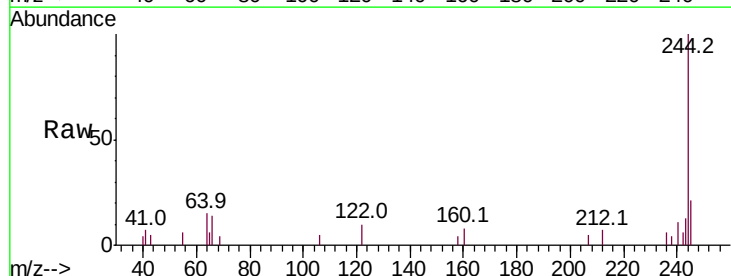
Tgt Ion:244 Resp: 7541

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

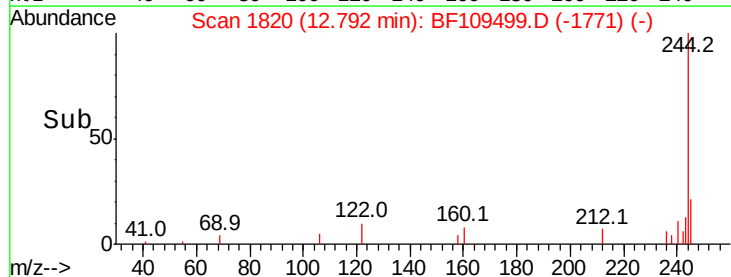
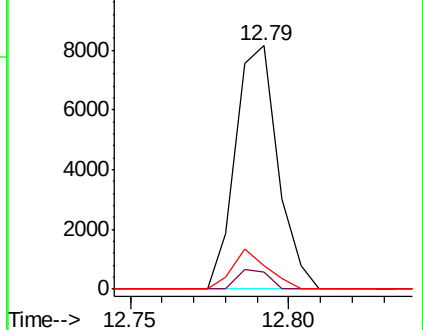
122 9.7 11.0 16.4#

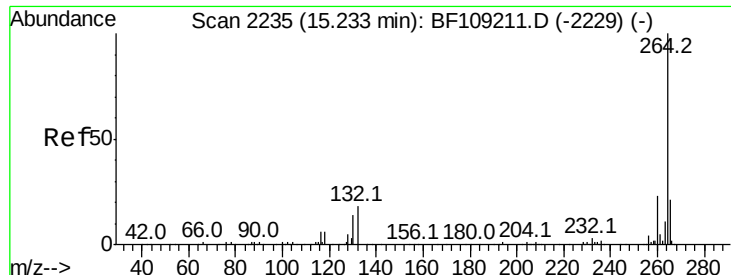


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.24 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: BF109499.D  
Acq: 2 Oct 2018 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
QNWP8-MW26S-GWDL2

Tot Ion:264 Resp: 260954  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 21.6  | 17.5  | 26.3  |

