

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
 Data File : BF112773.D  
 Acq On : 28 Feb 2019 20:51  
 Operator : JU/SJ  
 Sample : K1650-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(9-10)

Quant Time: Mar 01 07:00:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 27 16:08:50 2019  
 Response via : Initial Calibration

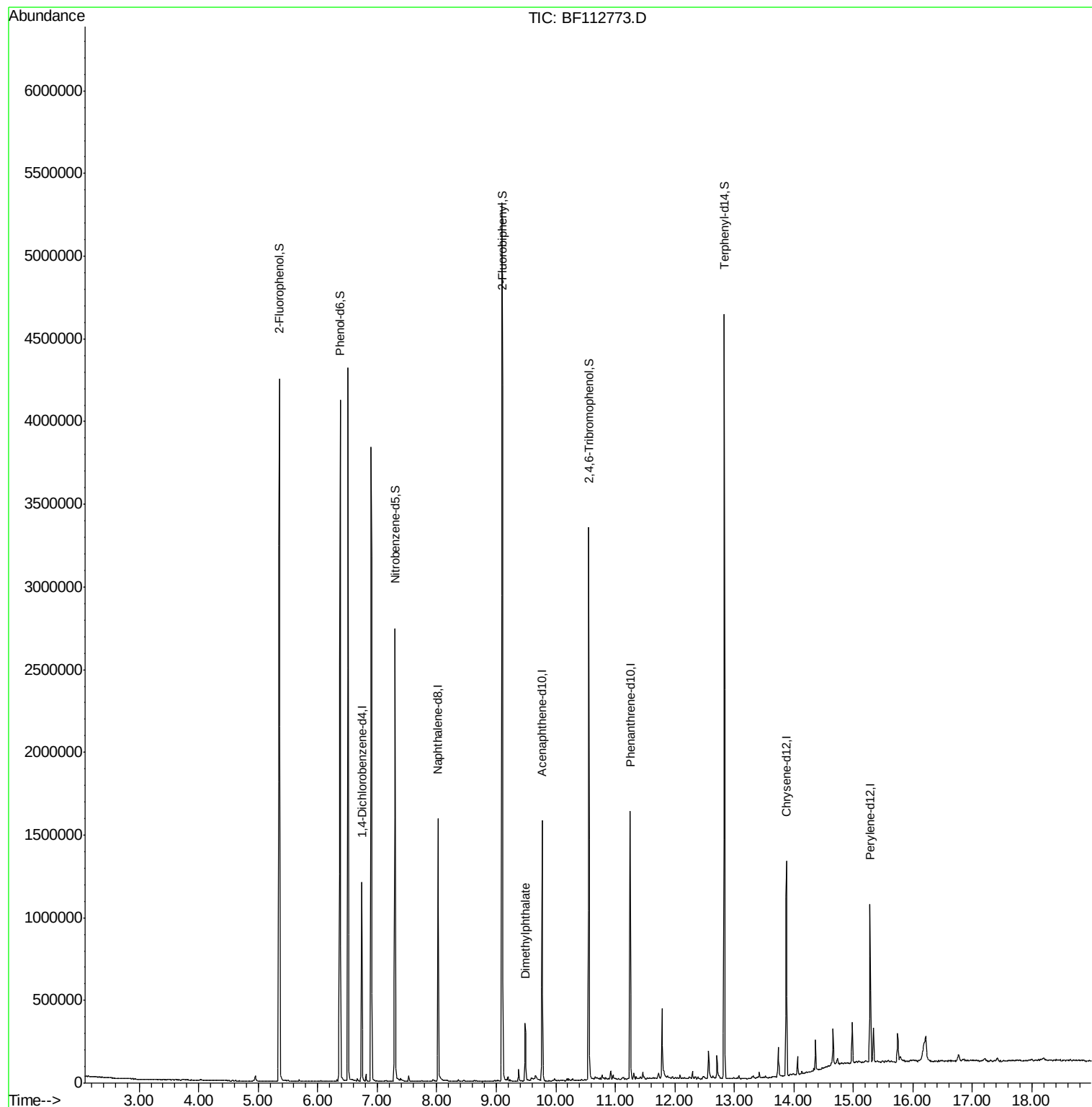
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 186459   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.02  | 136  | 716079   | 20.00  | ng    | 0.00          |
| 39) Acenaphthene-d10        | 9.77  | 164  | 336109   | 20.00  | ng    | 0.00          |
| 64) Phenanthrene-d10        | 11.25 | 188  | 633897   | 20.00  | ng    | 0.00          |
| 76) Chrysene-d12            | 13.87 | 240  | 424946   | 20.00  | ng    | 0.00          |
| 87) Perylene-d12            | 15.28 | 264  | 439573   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1271409  | 106.07 | ng    | 0.01          |
| 7) Phenol-d6                | 6.38  | 99   | 1616725  | 107.37 | ng    | 0.01          |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1003168  | 83.83  | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 431043   | 120.80 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 1726934  | 88.76  | ng    | 0.00          |
| 79) Terphenyl-d14           | 12.83 | 244  | 1614578  | 73.65  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 50) Dimethylphthalate       | 9.49  | 163  | 143171   | 5.777  | ng    | Qvalue<br>100 |

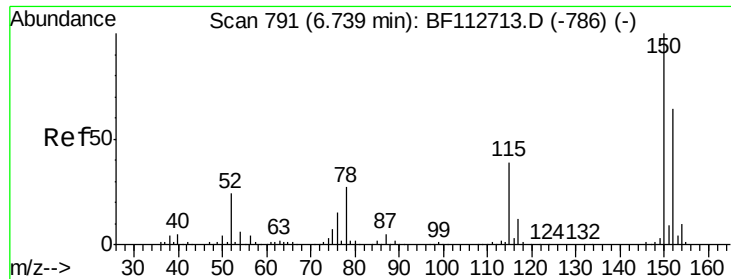
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
Data File : BF112773.D  
Acq On : 28 Feb 2019 20:51  
Operator : JU/SJ  
Sample : K1650-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-6(9-10)

Quant Time: Mar 01 07:00:46 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 27 16:08:50 2019  
Response via : Initial Calibration



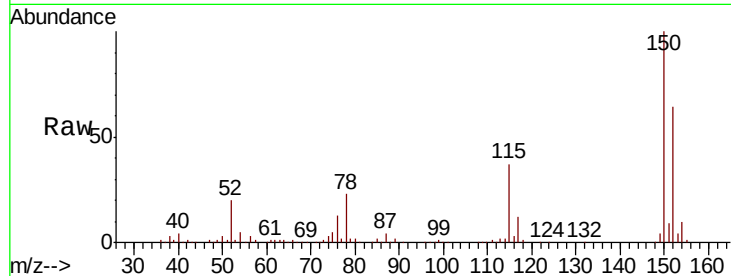


#1

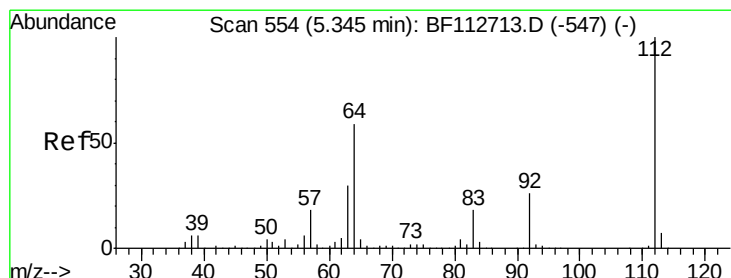
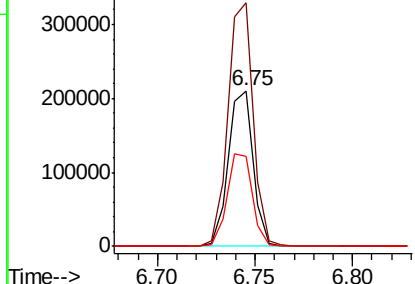
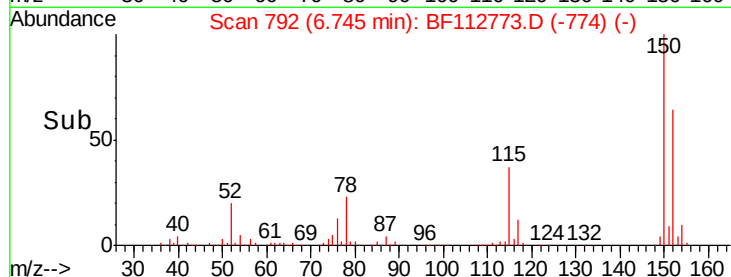
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.75 min Scan# 792  
 Delta R.T. 0.01 min  
 Lab File: BF112773.D  
 Acq: 28 Feb 2019 20:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(9-10)

Tot Ion:152 Resp: 186459  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 124.2 186.2  
 115 57.6 48.2 72.4



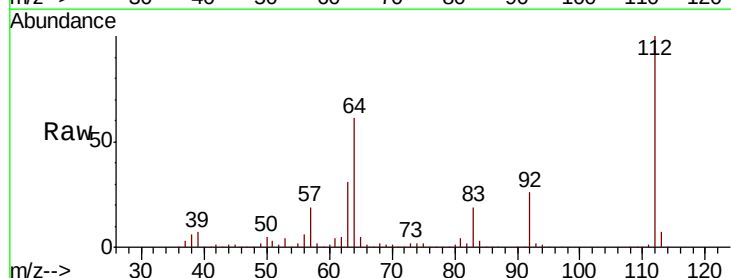
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



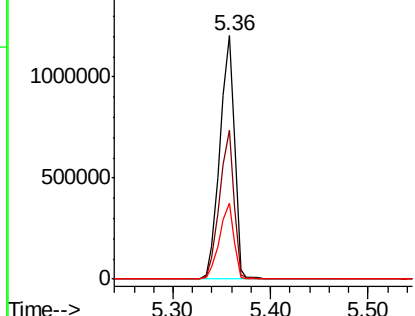
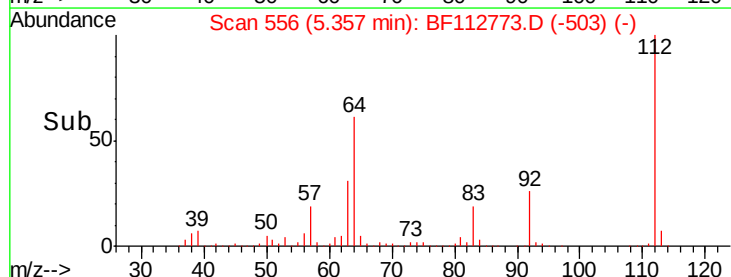
#5

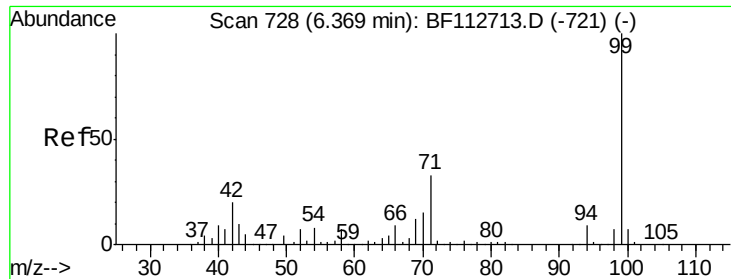
2-Fluorophenol  
 Concen: 106.068 ng  
 RT: 5.36 min Scan# 556  
 Delta R.T. 0.01 min  
 Lab File: BF112773.D  
 Acq: 28 Feb 2019 20:51

Tgt Ion:112 Resp: 1271409  
 Ion Ratio Lower Upper  
 112 100  
 64 61.1 47.6 71.4  
 63 31.2 24.4 36.6



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: 107.371 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

Instrument :

BNA\_F

ClientSampleId :

B-6(9-10)

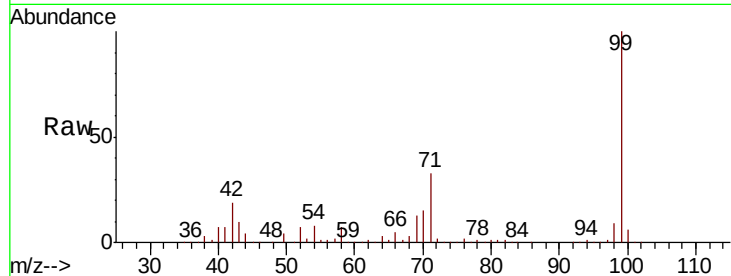
Tot Ion: 99 Resp: 1616725

Ion Ratio Lower Upper

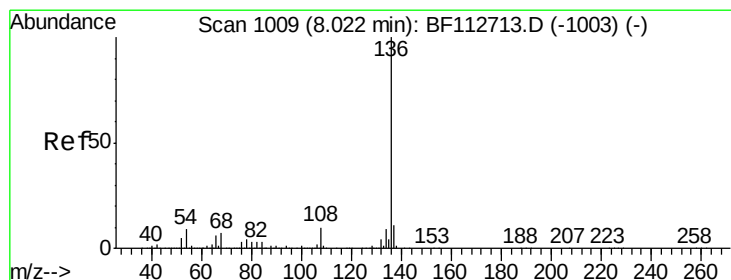
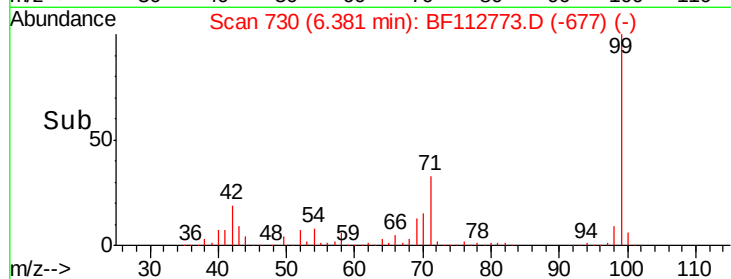
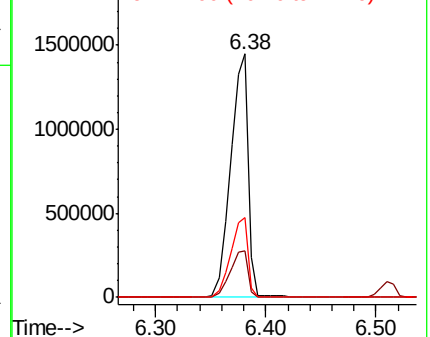
99 100

42 18.9 16.3 24.5

71 32.8 26.2 39.4



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: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

Tgt Ion: 136 Resp: 716079

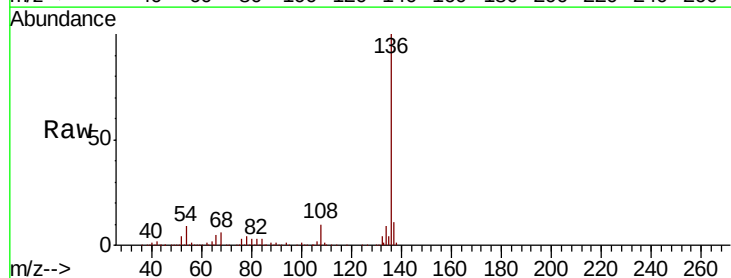
Ion Ratio Lower Upper

136 100

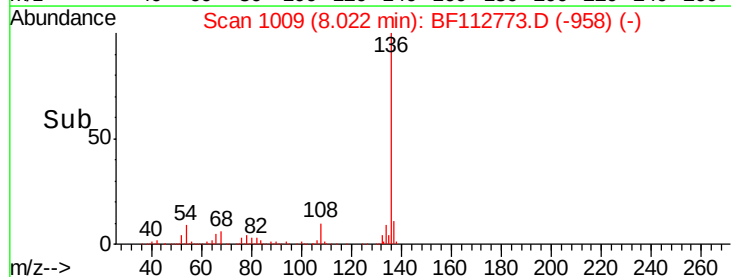
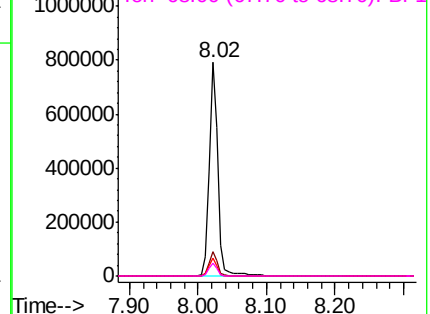
137 11.5 8.9 13.3

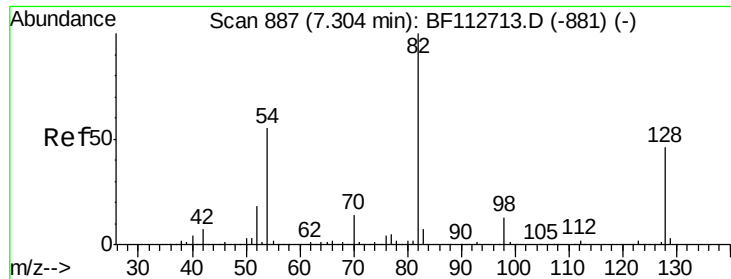
54 8.6 7.3 10.9

68 6.3 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): BF1  
Ion 68.00 (67.70 to 68.70): BF1

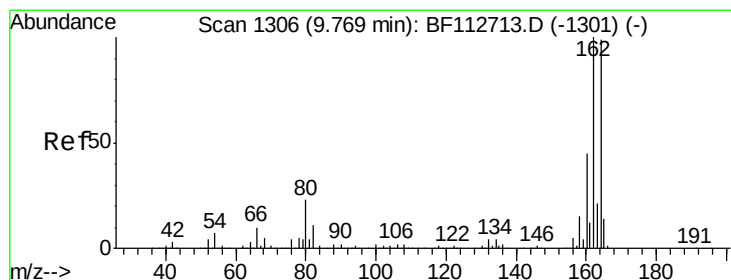
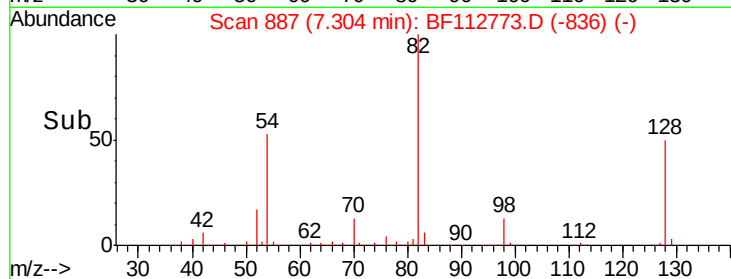
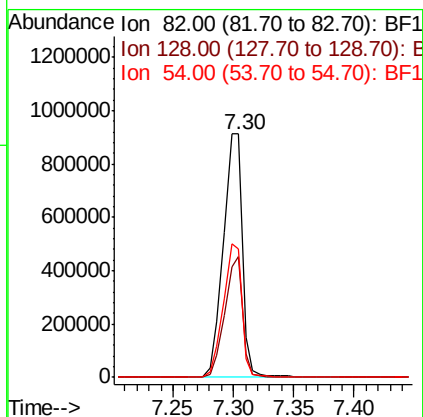
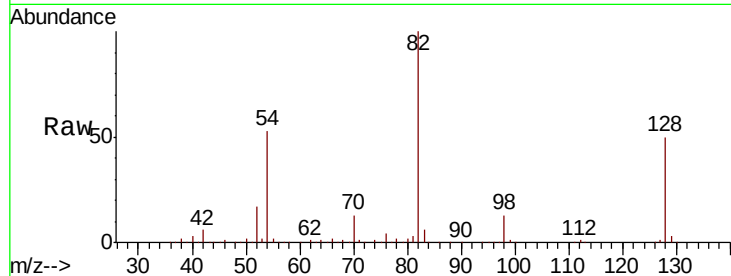




#23  
 Nitrobenzene-d5  
 Concen: 83.828 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. 0.00 min  
 Lab File: BF112773.D  
 Acq: 28 Feb 2019 20:51

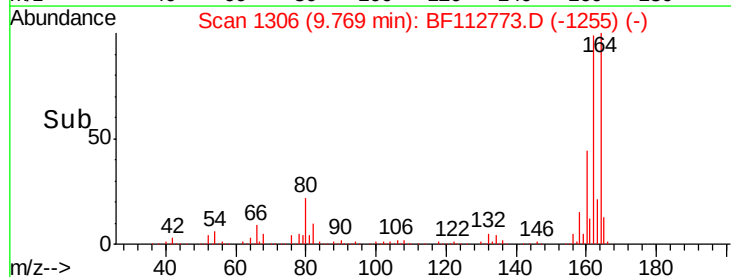
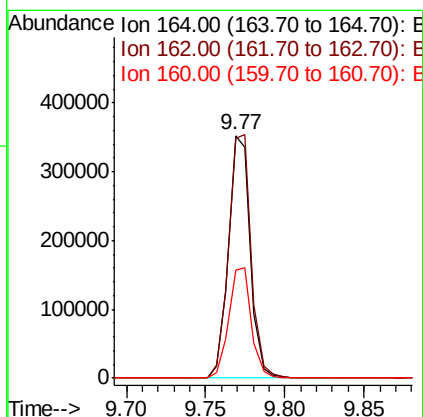
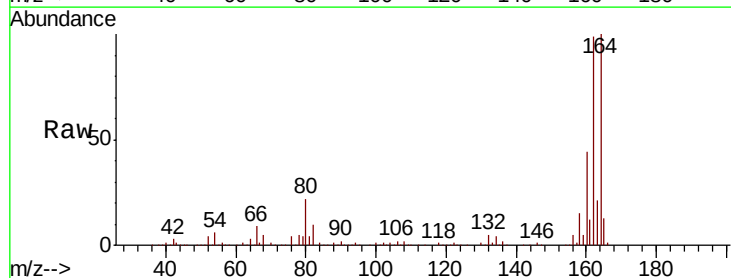
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(9-10)

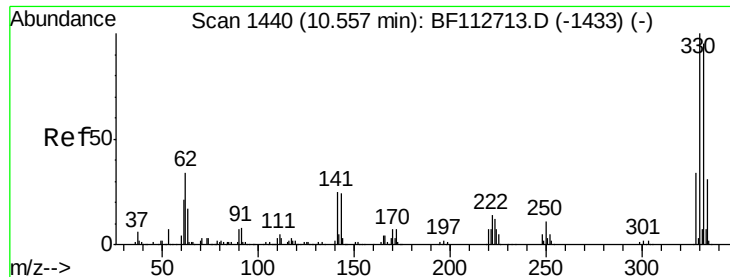
Tot Ion: 82 Resp: 1003168  
 Ion Ratio Lower Upper  
 82 100  
 128 49.7 36.3 54.5  
 54 52.8 43.7 65.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: BF112773.D  
 Acq: 28 Feb 2019 20:51

Tgt Ion:164 Resp: 336109  
 Ion Ratio Lower Upper  
 164 100  
 162 98.7 80.6 120.8  
 160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 120.801 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

Instrument :

BNA\_F

ClientSampleId :

B-6(9-10)

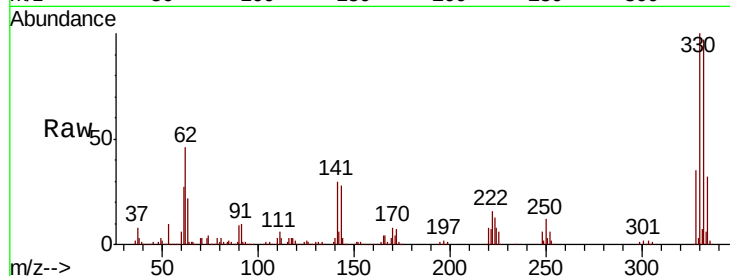
Tot Ion:330 Resp: 431043

Ion Ratio Lower Upper

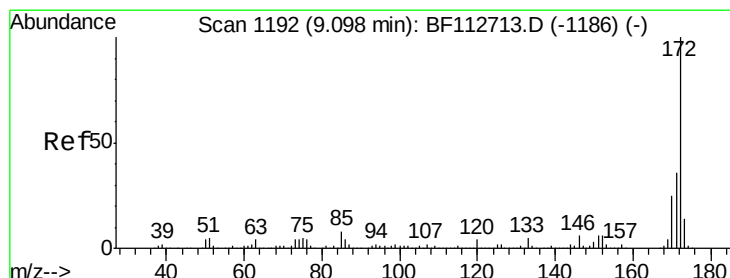
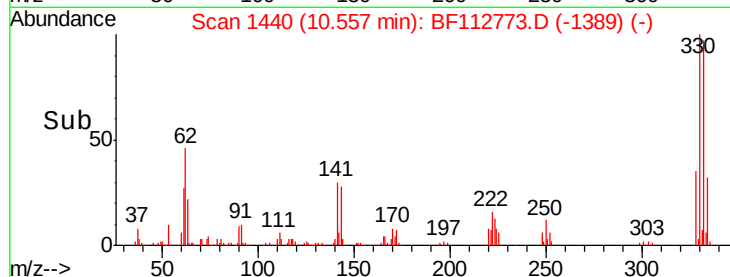
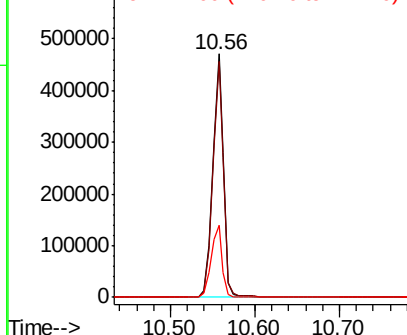
330 100

332 96.7 76.2 114.4

141 30.0 27.0 40.6



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



#45

2-Fluorobiphenyl

Concen: 88.758 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

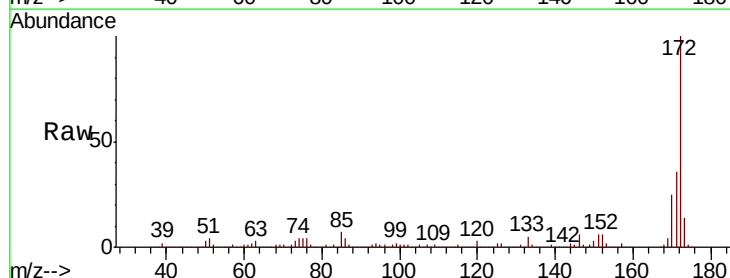
Tgt Ion:172 Resp: 1726934

Ion Ratio Lower Upper

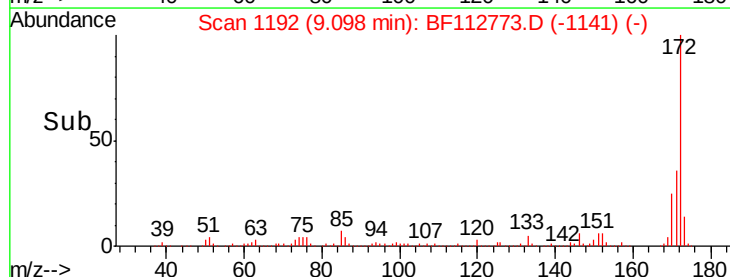
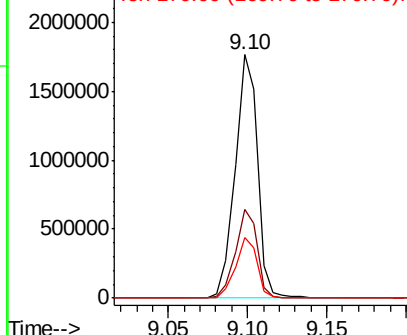
172 100

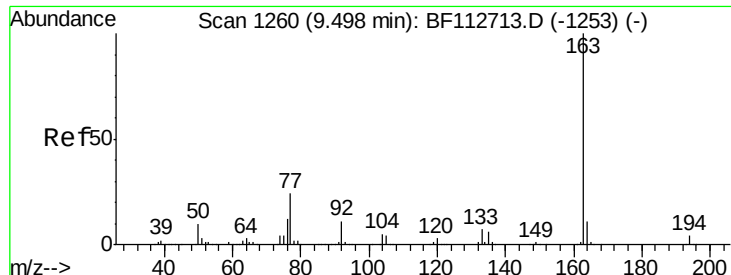
171 36.3 29.0 43.4

170 24.8 20.0 30.0



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

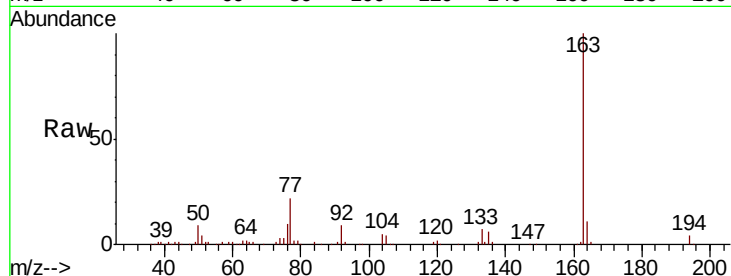




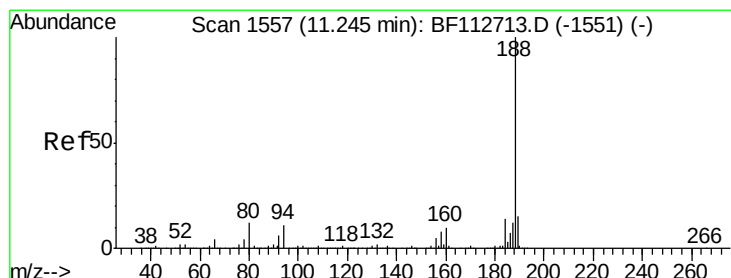
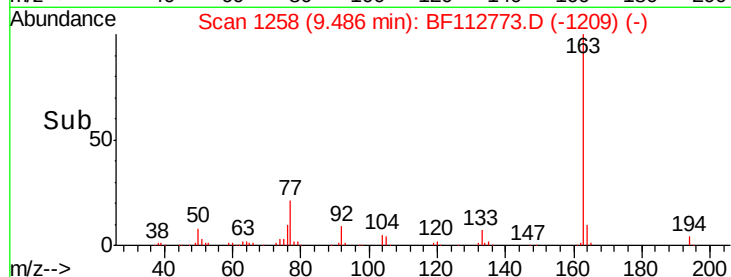
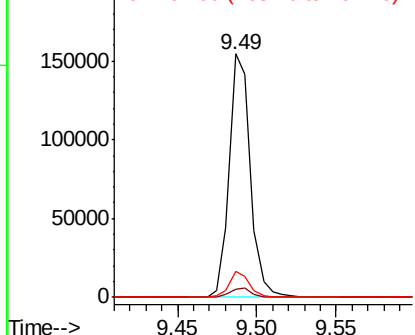
#50  
Dimethylphthalate  
Concen: 5.777 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.01 min  
Lab File: BF112773.D  
Acq: 28 Feb 2019 20:51

Instrument :  
BNA\_F  
ClientSampleId :  
B-6(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 3.0   | 4.4   |
| 164     | 10.6  | 8.4   | 12.6  |

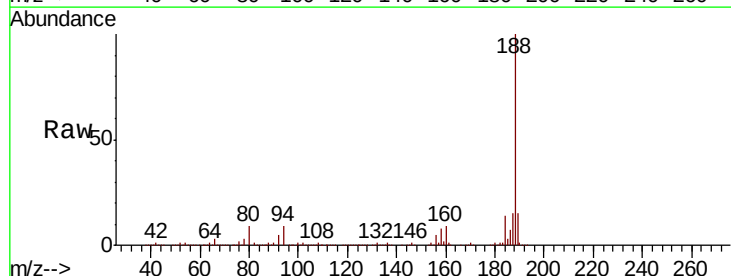


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

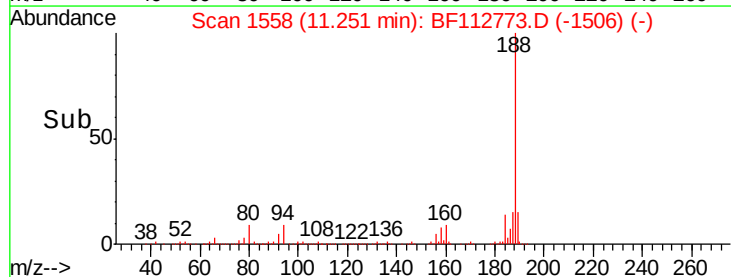
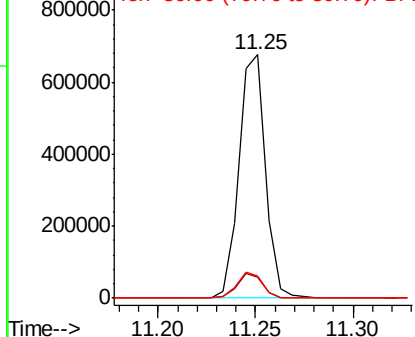


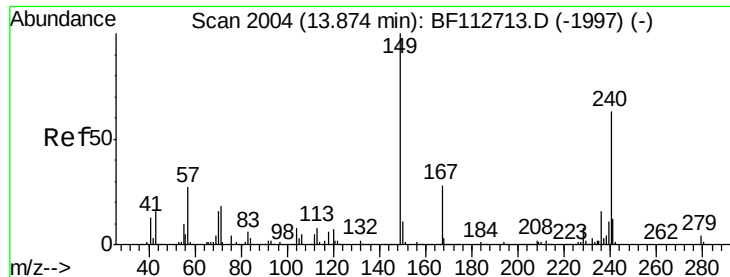
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. 0.01 min  
Lab File: BF112773.D  
Acq: 28 Feb 2019 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 9.0   | 13.4# |
| 80      | 9.1   | 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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

Instrument :

BNA\_F

ClientSampleId :

B-6(9-10)

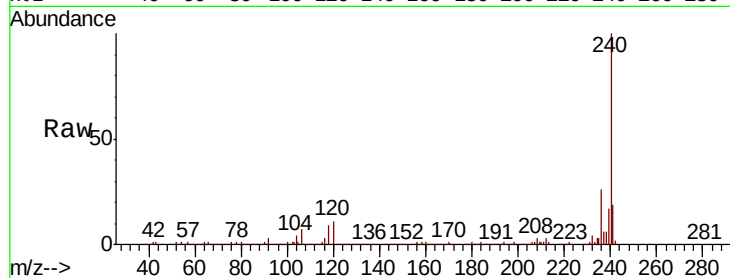
Tot Ion:240 Resp: 424946

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

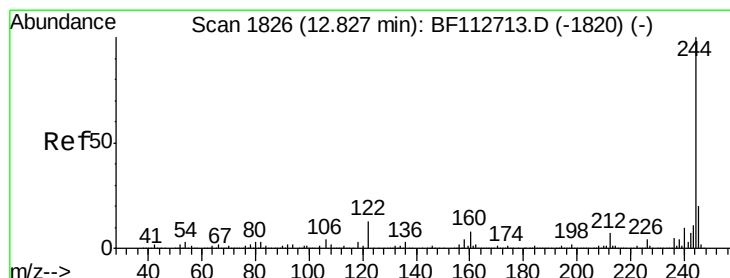
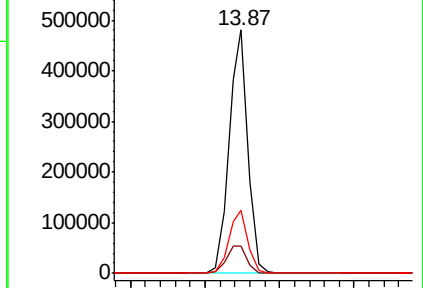
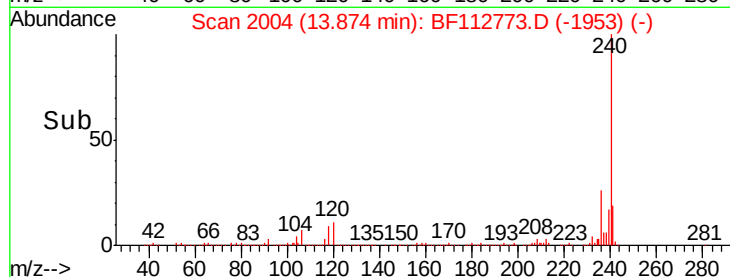
236 26.1 20.7 31.1



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



#79

Terphenyl-d14

Concen: 73.653 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

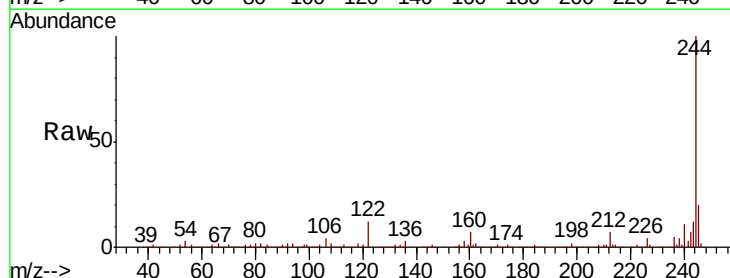
Tgt Ion:244 Resp: 1614578

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

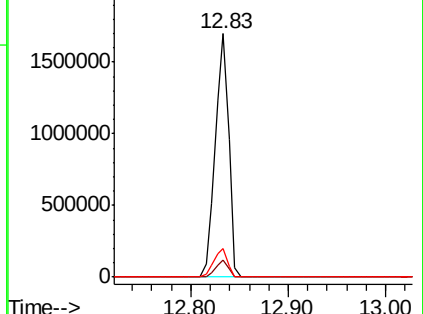
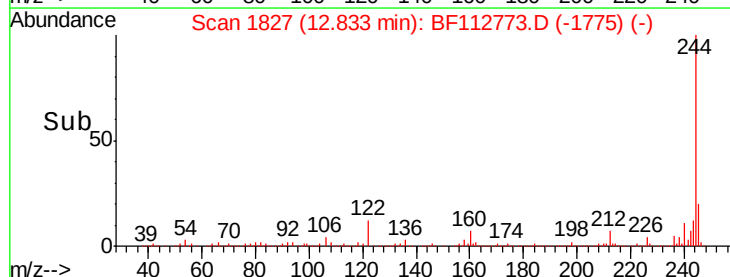
122 12.0 10.5 15.7



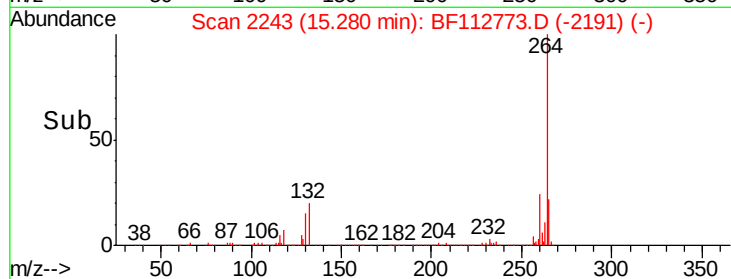
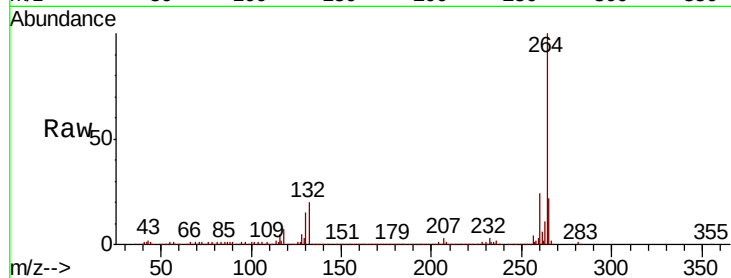
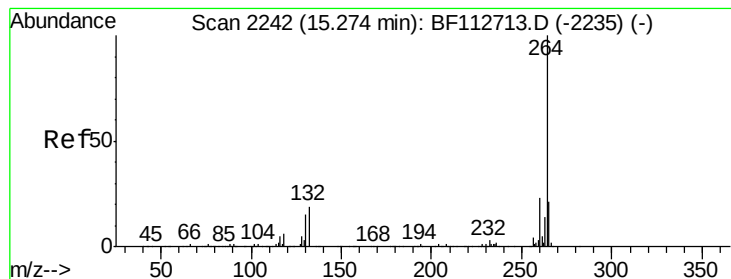
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112773.D

Acq: 28 Feb 2019 20:51

Instrument :

BNA\_F

ClientSampleId :

B-6(9-10)

Tot Ion:264 Resp: 439573

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.9 17.2 25.8

