

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
 Data File : BF112779.D  
 Acq On : 28 Feb 2019 23:33  
 Operator : JU/SJ  
 Sample : K1651-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 351-281

Quant Time: Mar 01 07:16:47 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

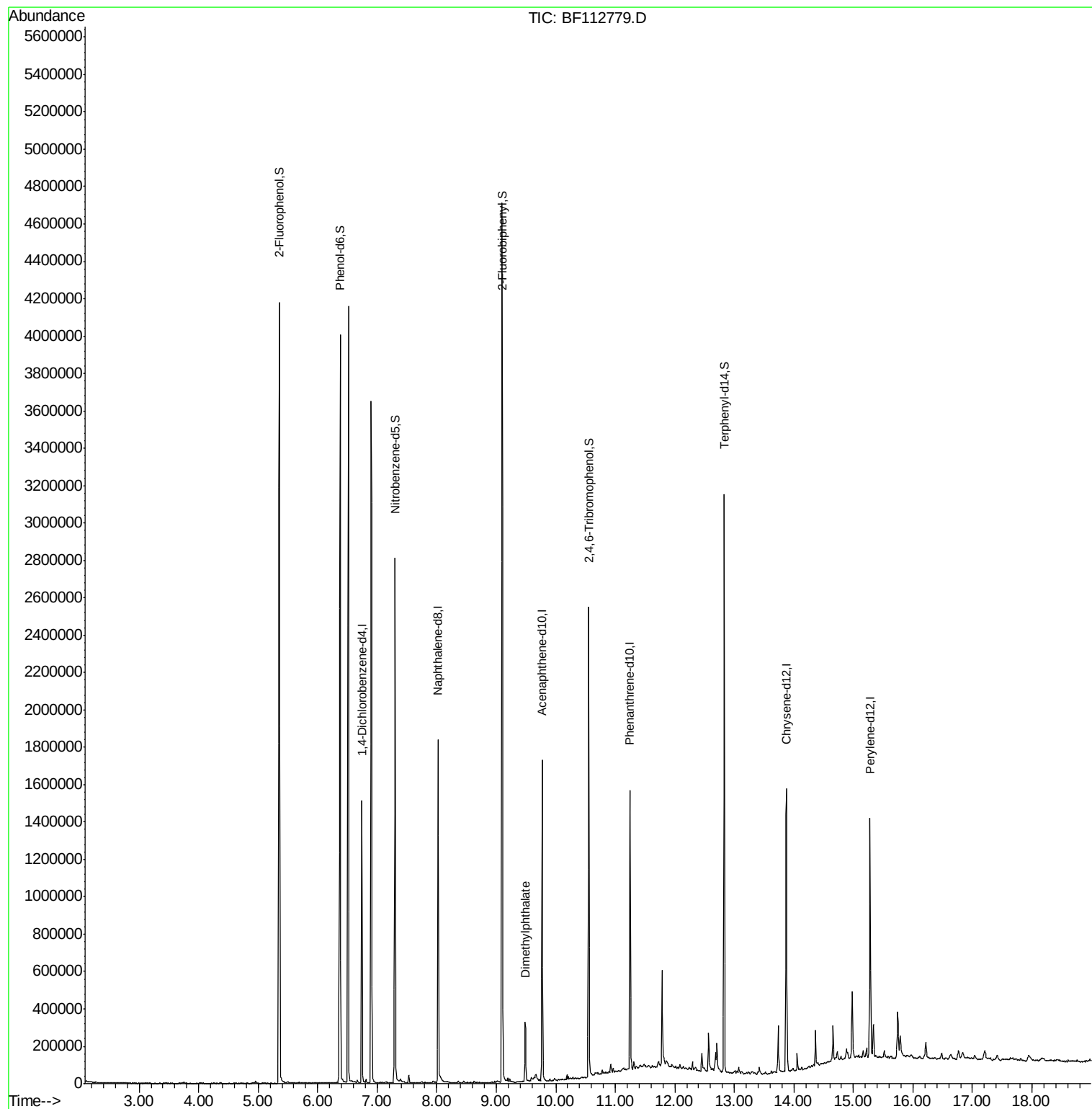
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 227820   | 20.00 | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.02  | 136  | 843367   | 20.00 | ng    | 0.00          |
| 39) Acenaphthene-d10        | 9.77  | 164  | 360584   | 20.00 | ng    | 0.00          |
| 64) Phenanthrene-d10        | 11.25 | 188  | 570962   | 20.00 | ng    | 0.00          |
| 76) Chrysene-d12            | 13.87 | 240  | 505840   | 20.00 | ng    | 0.00          |
| 87) Perylene-d12            | 15.28 | 264  | 561410   | 20.00 | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1242806  | 84.86 | ng    | 0.01          |
| 7) Phenol-d6                | 6.38  | 99   | 1578677  | 85.81 | ng    | 0.01          |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 960868   | 68.17 | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 355955   | 92.99 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 1462687  | 66.79 | ng    | 0.00          |
| 79) Terphenyl-d14           | 12.83 | 244  | 1121912  | 42.99 | ng    | 0.00          |
| Target Compounds            |       |      |          |       |       |               |
| 50) Dimethylphthalate       | 9.49  | 163  | 134087   | 5.043 | ng    | Qvalue<br>100 |

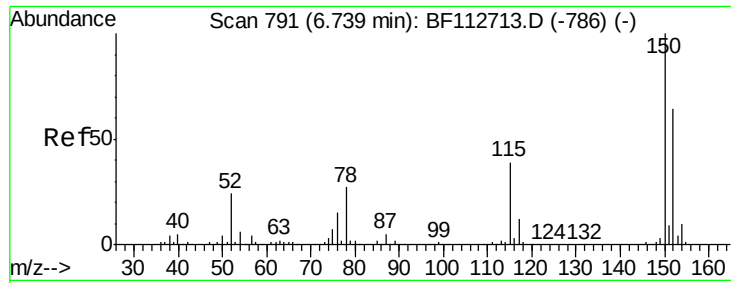
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
Data File : BF112779.D  
Acq On : 28 Feb 2019 23:33  
Operator : JU/SJ  
Sample : K1651-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
351-281

Quant Time: Mar 01 07:16:47 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
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QLast Update : Wed Feb 27 16:08:50 2019  
Response via : Initial Calibration



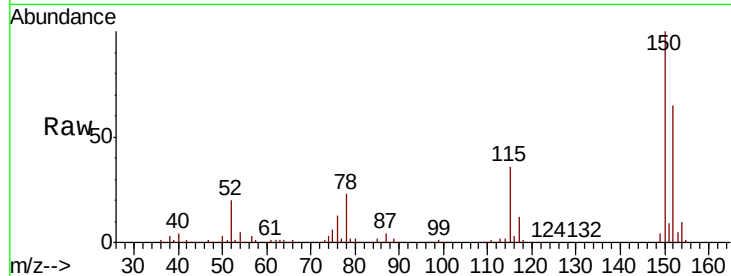


#1

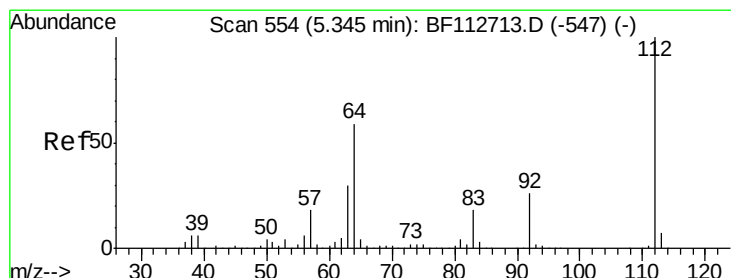
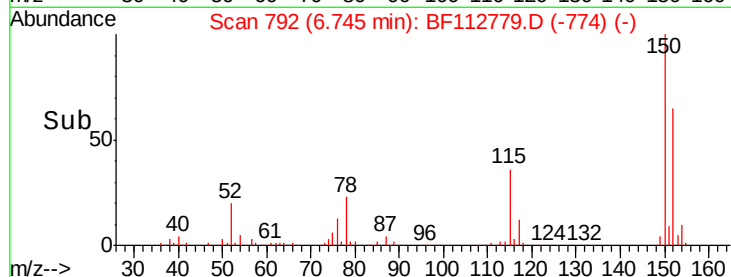
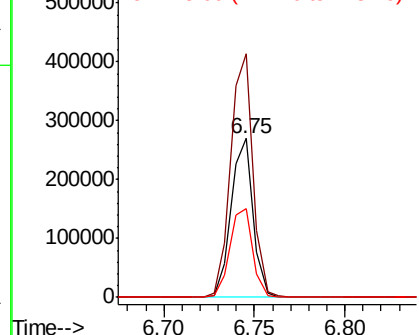
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

Instrument :  
BNA\_F  
ClientSampled :  
351-281

Tot Ion:152 Resp: 227820  
Ion Ratio Lower Upper  
152 100  
150 153.3 124.2 186.2  
115 55.7 48.2 72.4



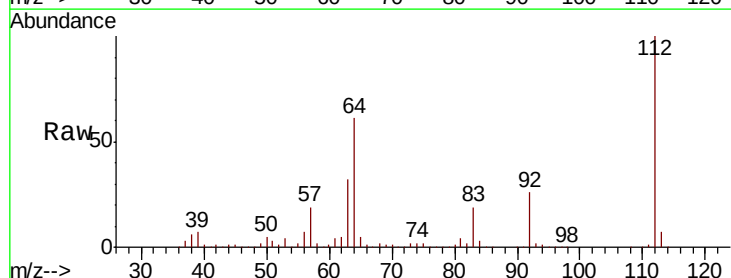
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



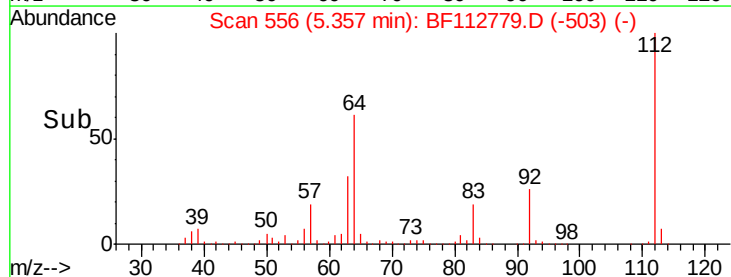
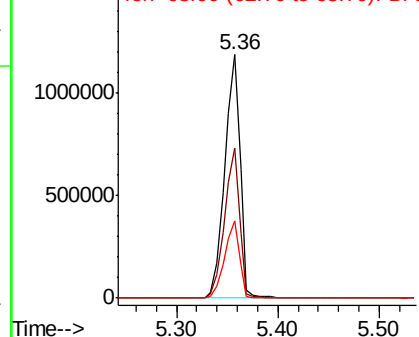
#5

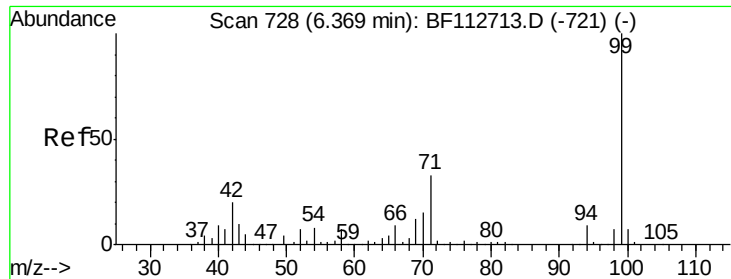
2-Fluorophenol  
Concen: 84.858 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

Tgt Ion:112 Resp: 1242806  
Ion Ratio Lower Upper  
112 100  
64 61.5 47.6 71.4  
63 31.6 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: 85.810 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA\_F

ClientSampleId :

351-281

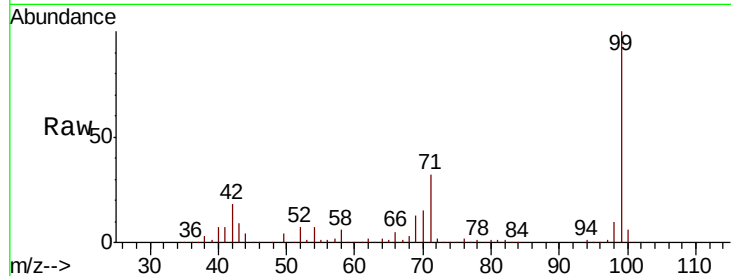
Tot Ion: 99 Resp: 1578677

Ion Ratio Lower Upper

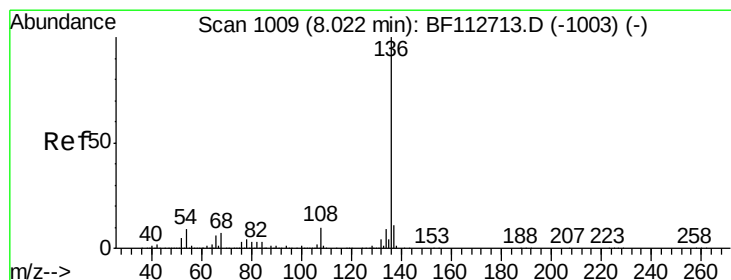
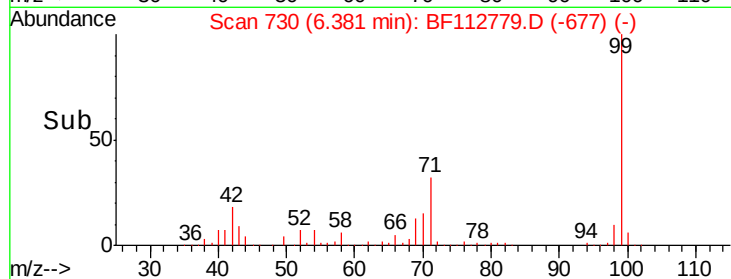
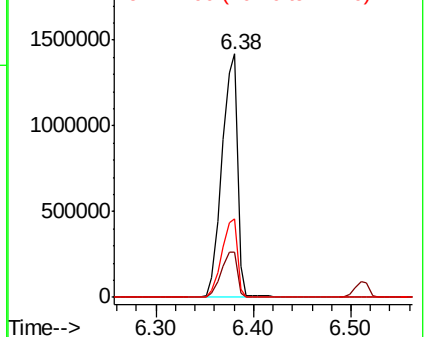
99 100

42 18.5 16.3 24.5

71 32.2 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: BF112779.D

Acq: 28 Feb 2019 23:33

Tgt Ion: 136 Resp: 843367

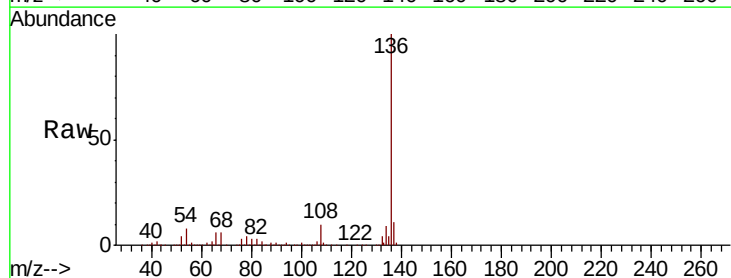
Ion Ratio Lower Upper

136 100

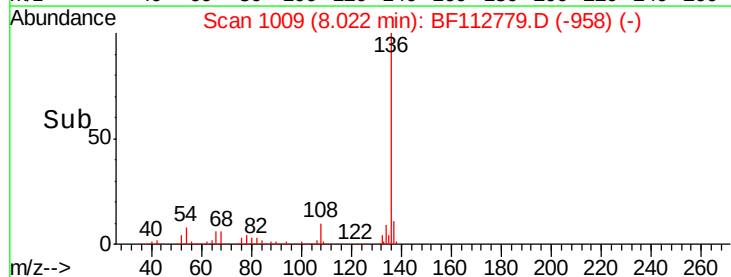
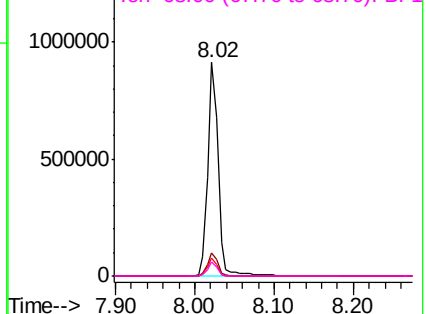
137 11.0 8.9 13.3

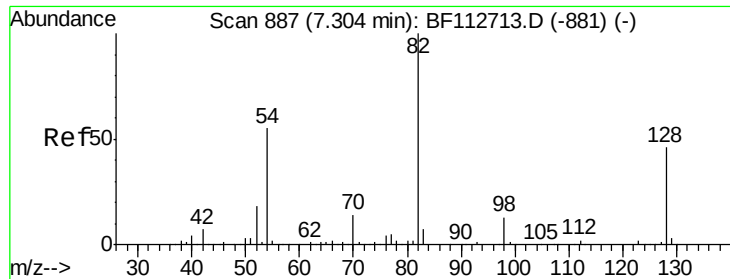
54 8.4 7.3 10.9

68 6.4 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

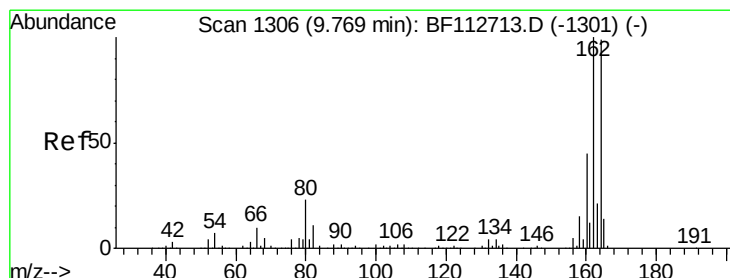
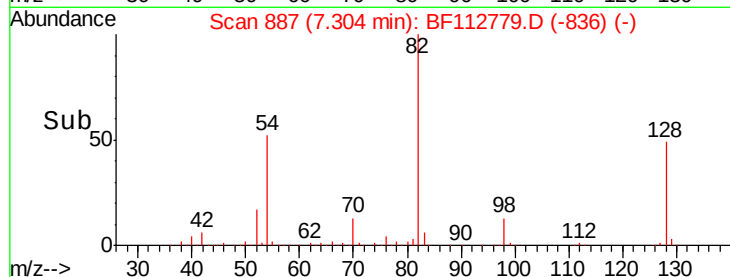
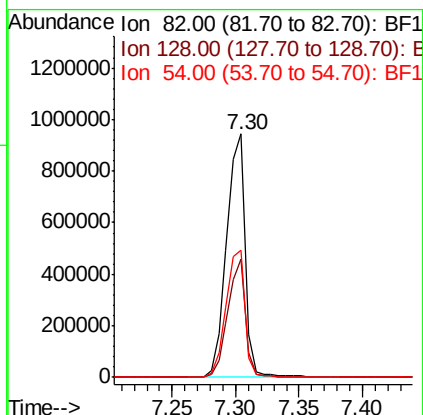
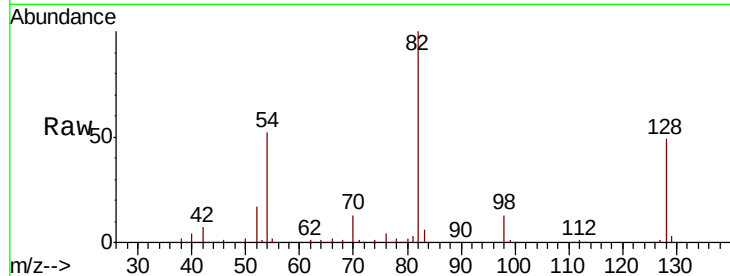




#23  
 Nitrobenzene-d5  
 Concen: 68.175 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. 0.00 min  
 Lab File: BF112779.D  
 Acq: 28 Feb 2019 23:33

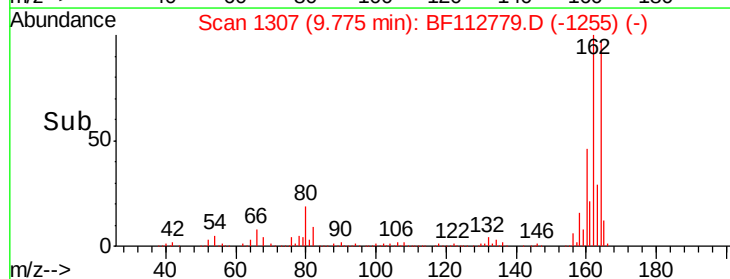
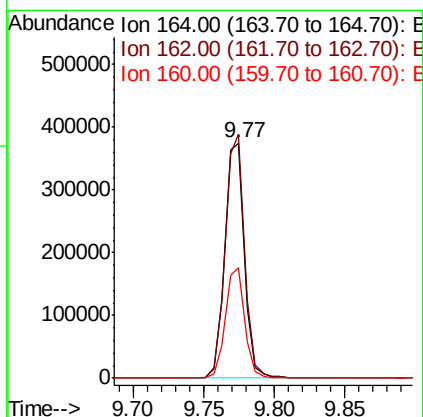
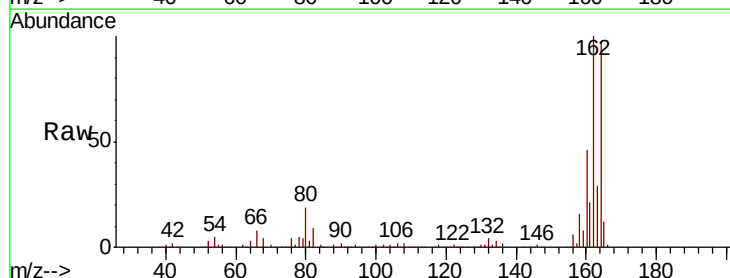
Instrument :  
 BNA\_F  
 ClientSampleId :  
 351-281

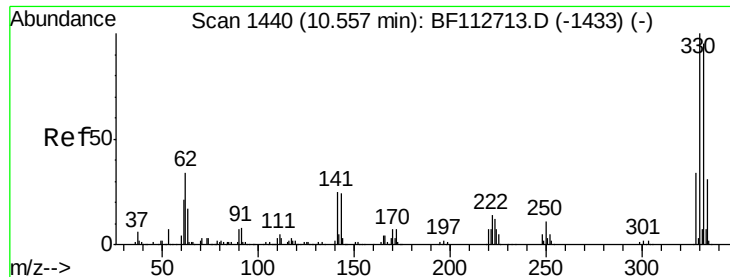
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.6  | 36.3  | 54.5  |
| 54      | 52.4  | 43.7  | 65.5  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. 0.01 min  
 Lab File: BF112779.D  
 Acq: 28 Feb 2019 23:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 80.6  | 120.8 |
| 160     | 47.2  | 36.0  | 54.0  |





#42

2,4,6-Tribromophenol

Concen: 92.986 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA\_F

ClientSampleId :

351-281

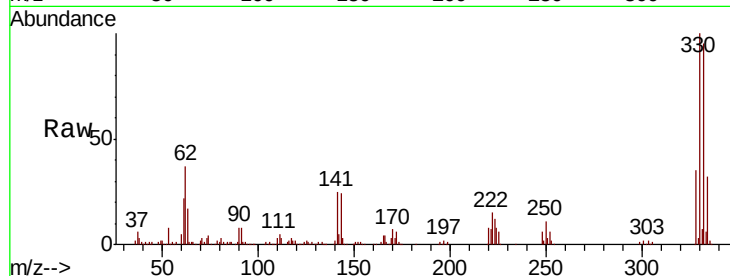
Tot Ion:330 Resp: 355955

Ion Ratio Lower Upper

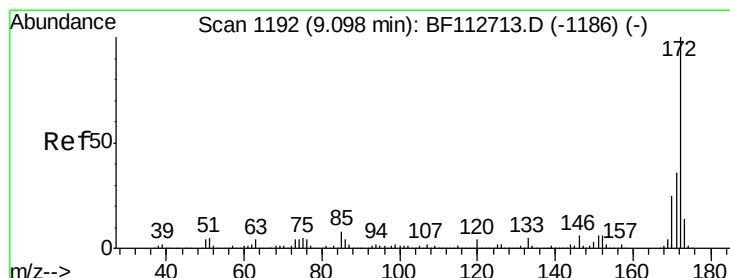
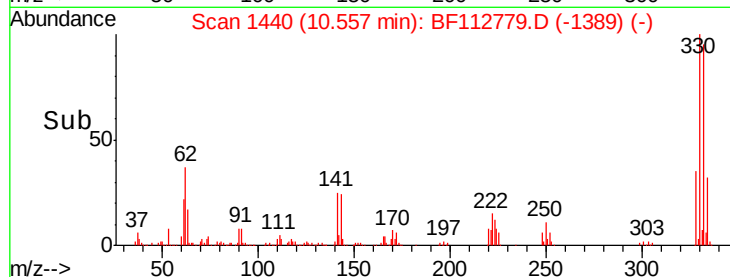
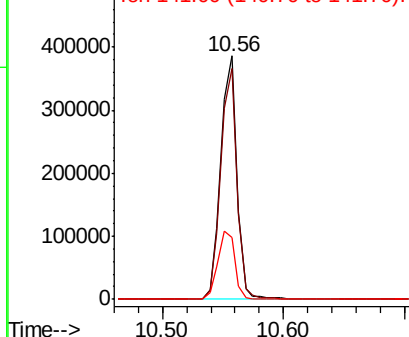
330 100

332 95.3 76.2 114.4

141 29.9 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: 66.789 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

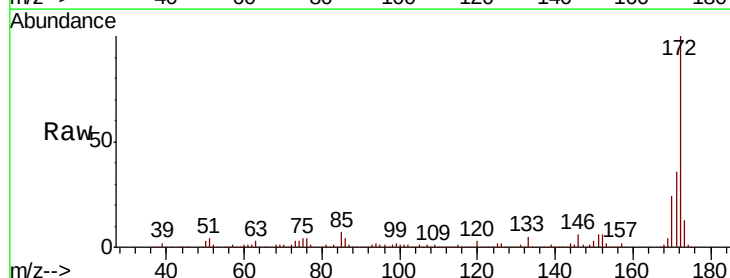
Tgt Ion:172 Resp: 1462687

Ion Ratio Lower Upper

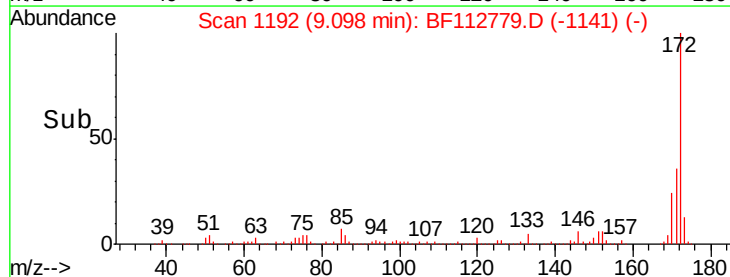
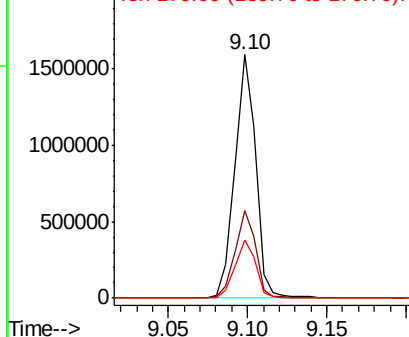
172 100

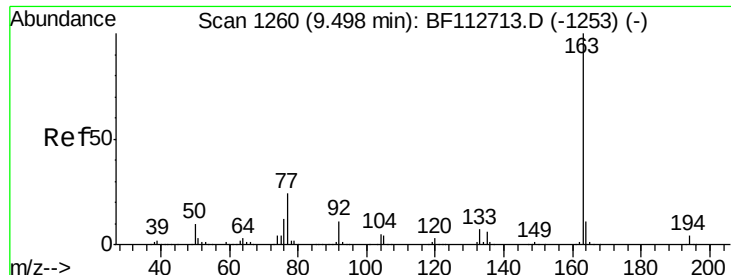
171 35.9 29.0 43.4

170 24.0 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

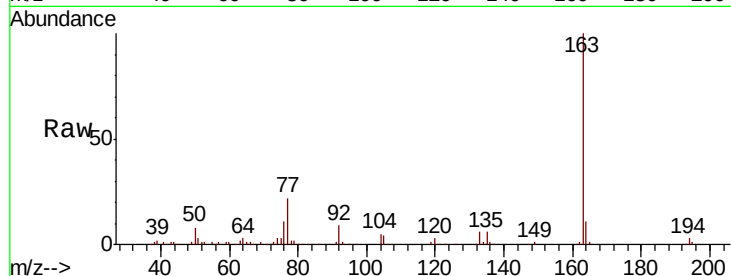




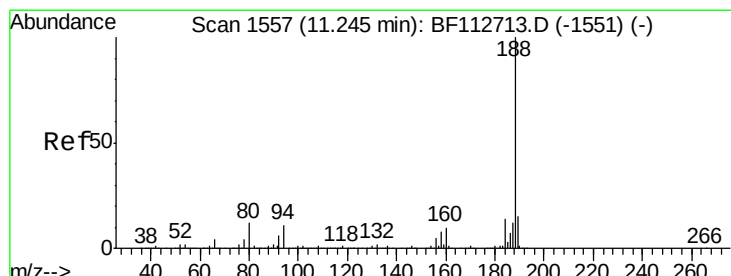
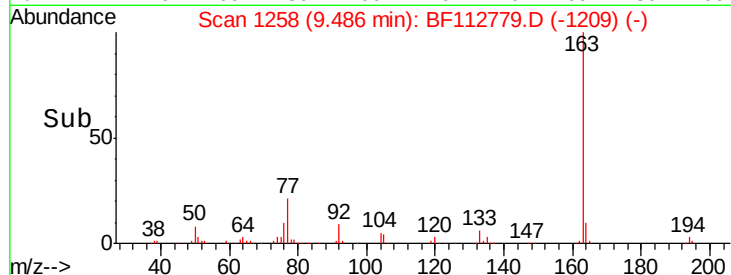
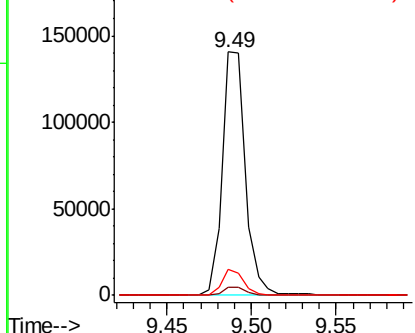
#50  
Dimethylphthalate  
Concen: 5.043 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.01 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

Instrument :  
BNA\_F  
ClientSampleId :  
351-281

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.4   | 3.0   | 4.4   |
| 164     | 10.6  | 8.4   | 12.6  |

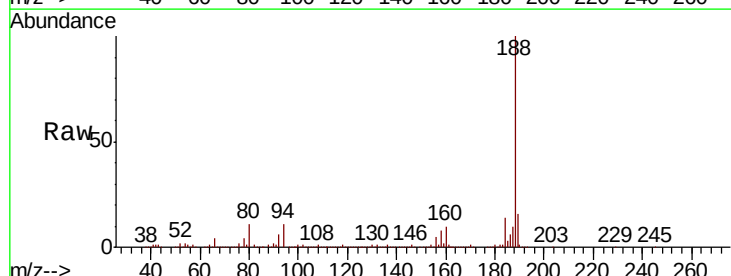


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

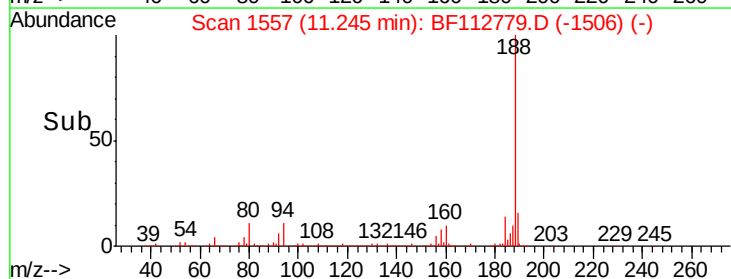
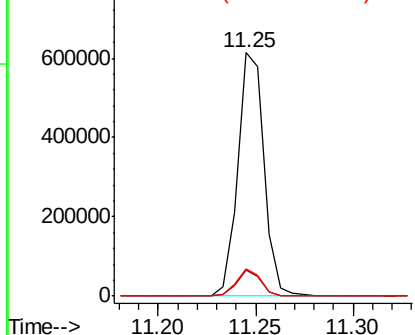


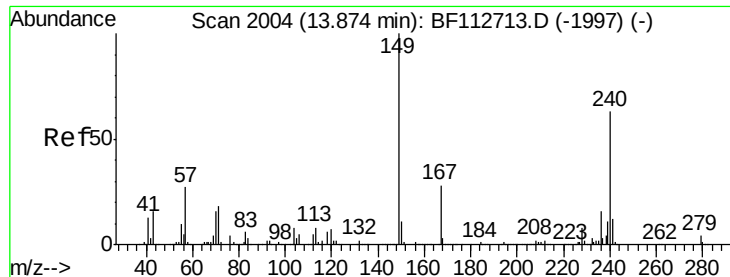
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1557  
Delta R.T. 0.00 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.9  | 9.0   | 13.4  |
| 80      | 11.2  | 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

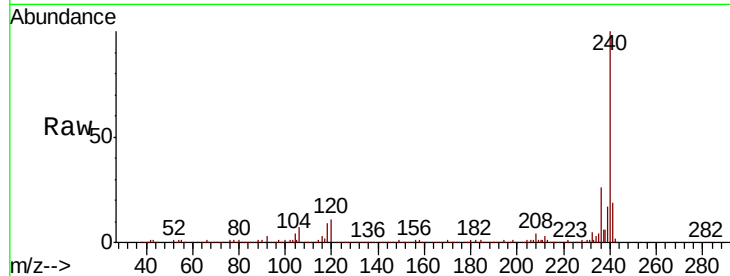




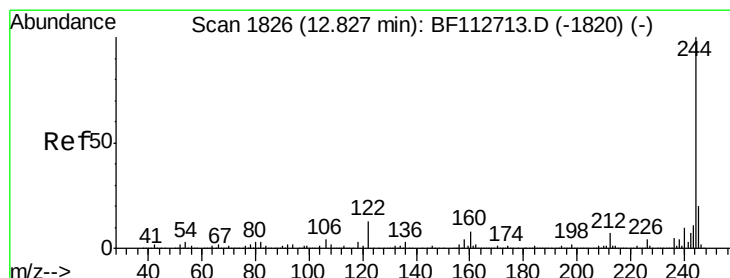
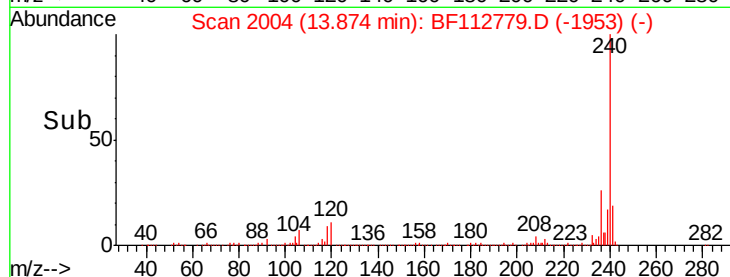
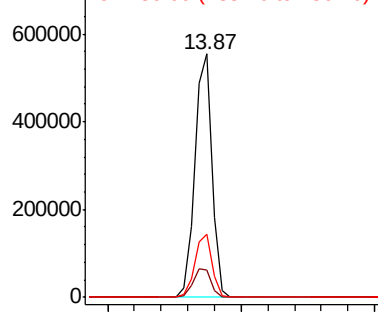
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. 0.00 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

Instrument :  
BNA\_F  
ClientSampleId :  
351-281

Tot Ion:240 Resp: 505840  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.9 13.3  
236 26.1 20.7 31.1

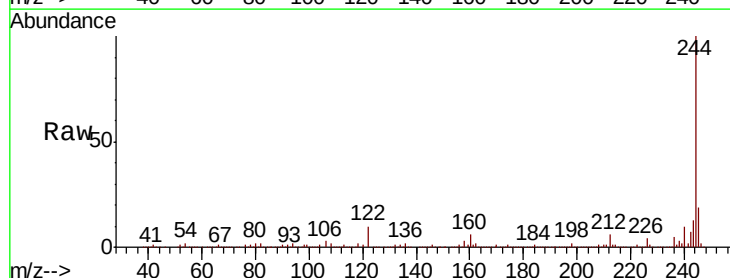


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

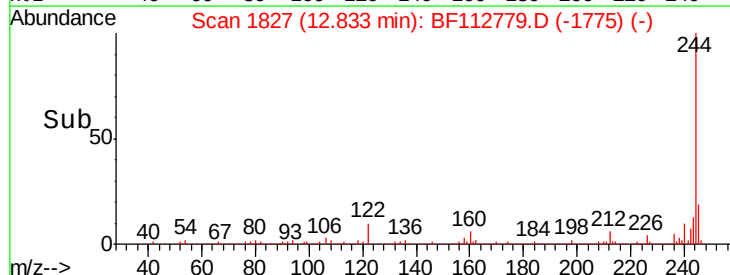
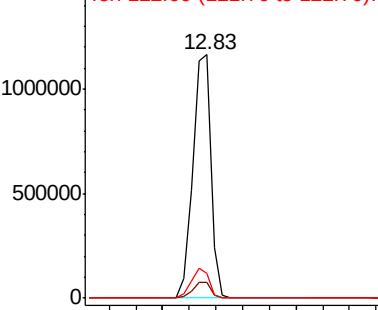


#79  
Terphenyl-d14  
Concen: 42.994 ng  
RT: 12.83 min Scan# 1827  
Delta R.T. 0.01 min  
Lab File: BF112779.D  
Acq: 28 Feb 2019 23:33

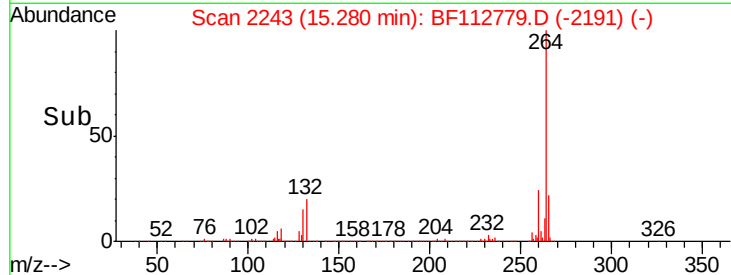
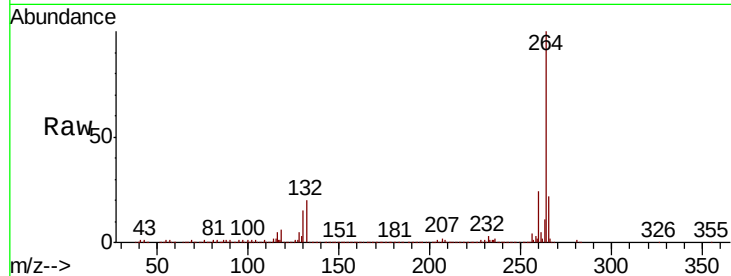
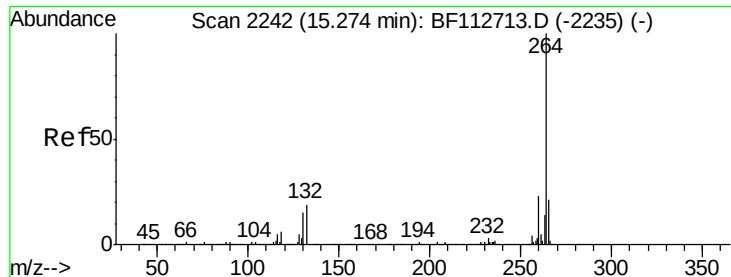
Tgt Ion:244 Resp: 1121912  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.6 8.4  
122 9.9 10.5 15.7#



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: BF112779.D  
 Acq: 28 Feb 2019 23:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 351-281

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 561410 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.9  | 18.7  | 28.1   |
| 265      | 22.1  | 17.2  | 25.8   |

