

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\  
 Data File : BF106515.D  
 Acq On : 16 Jun 2018 2:33  
 Operator : JU/SJ  
 Sample : J3449-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-33

Quant Time: Jun 16 04:28:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 15 11:11:47 2018  
 Response via : Initial Calibration

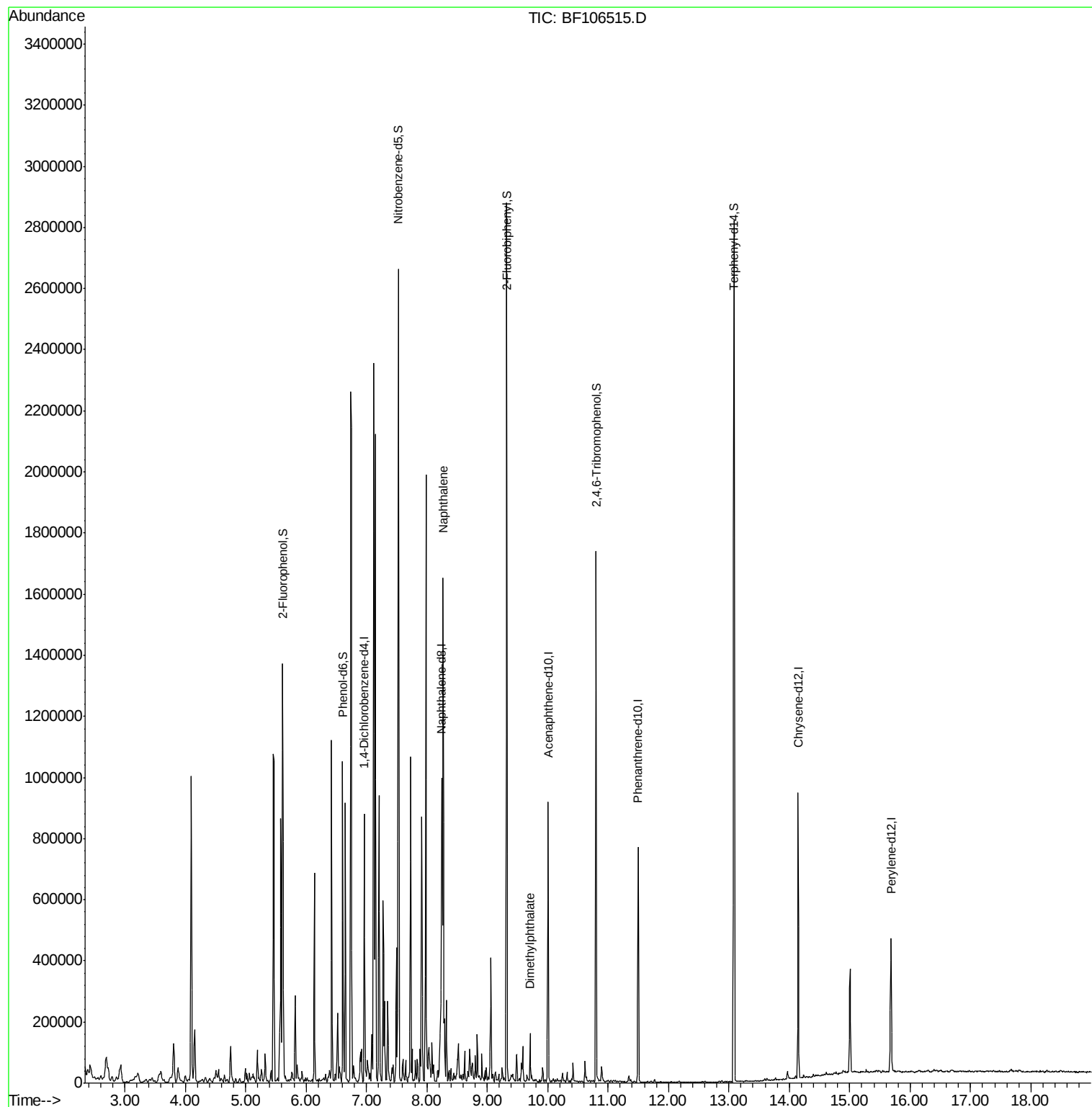
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 112559   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 383105   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 150900   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 288782   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 306003   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 213083   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 384572   | 57.83  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 294823   | 35.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 564134   | 86.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 212975   | 146.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 923561   | 125.63 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 1105702  | 89.75  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.27  | 128  | 635624   | 36.702 | ng    | 99       |
| 49) Dimethylphthalate       | 9.71  | 163  | 55766    | 5.173  | ng    | 98       |

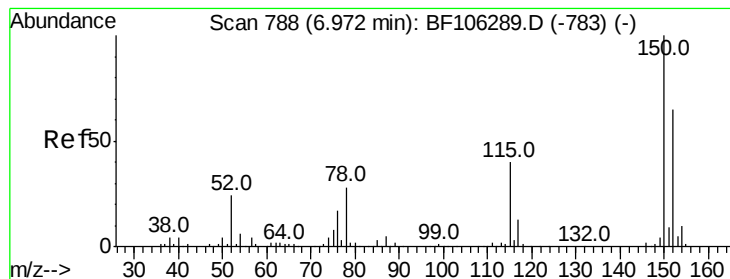
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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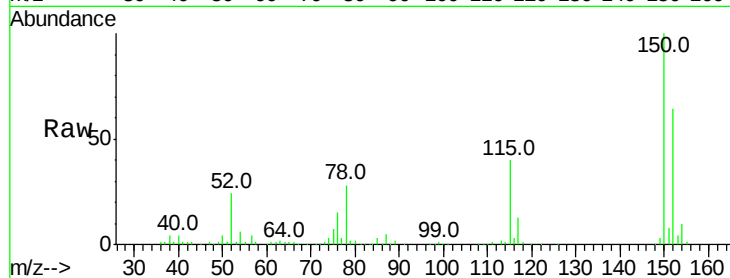


#1

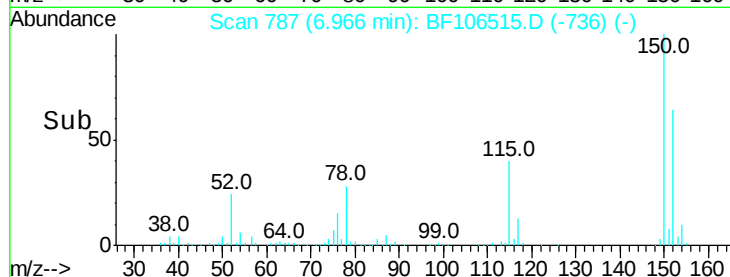
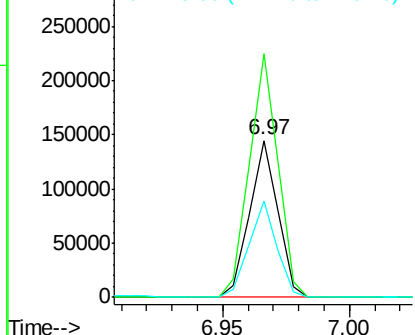
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Instrument :  
BNA\_F  
ClientSampleId :  
W-33

Tot Ion:152 Resp: 112559  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.6 186.8  
115 61.9 50.1 75.1



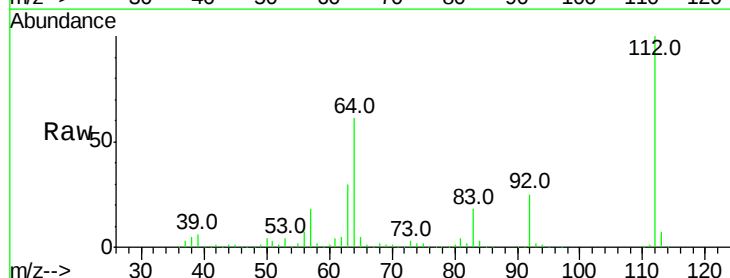
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



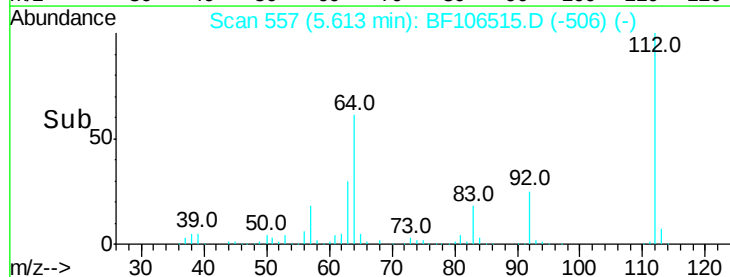
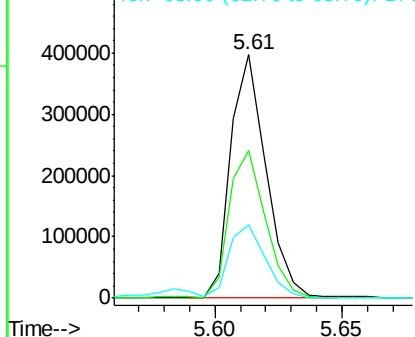
#5

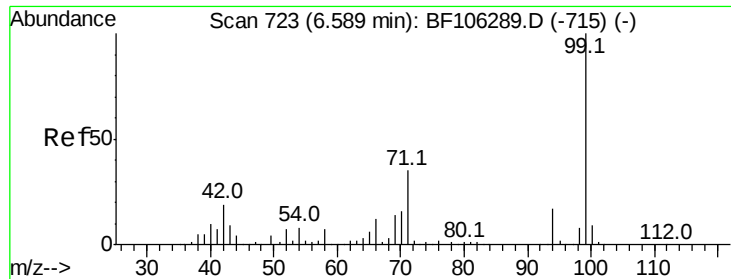
2-Fluorophenol  
Concen: 57.826 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Tgt Ion:112 Resp: 384572  
Ion Ratio Lower Upper  
112 100  
64 60.9 47.9 71.9  
63 30.2 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: 35.089 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106515.D

Acq: 16 Jun 2018 2:33

Instrument :

BNA\_F

ClientSampleId :

W-33

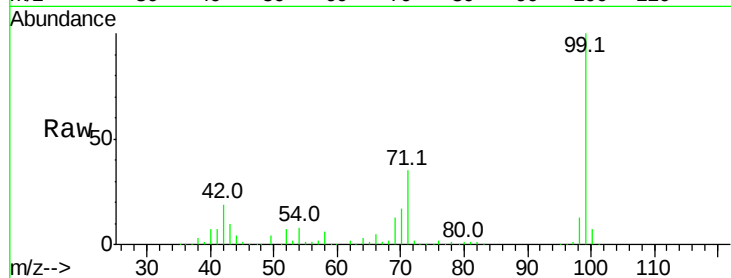
Tot Ion: 99 Resp: 294823

Ion Ratio Lower Upper

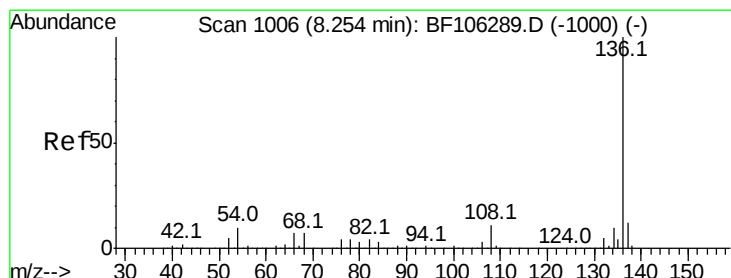
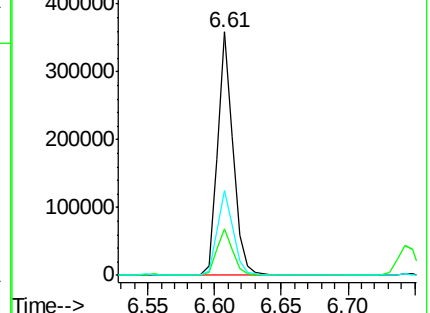
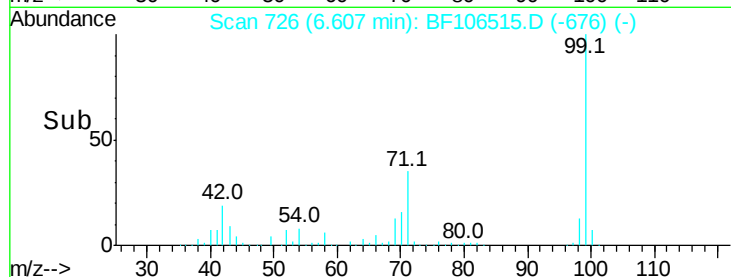
99 100

42 19.2 14.5 21.7

71 35.1 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: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106515.D

Acq: 16 Jun 2018 2:33

Tgt Ion: 136 Resp: 383105

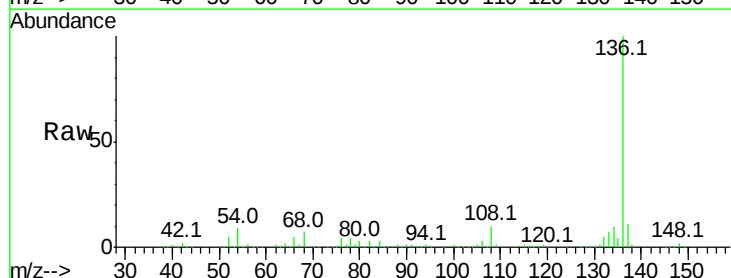
Ion Ratio Lower Upper

136 100

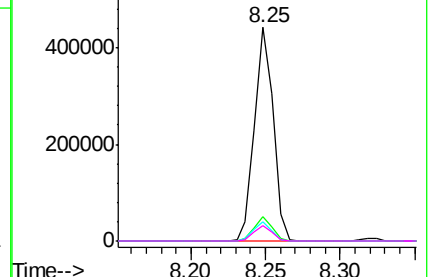
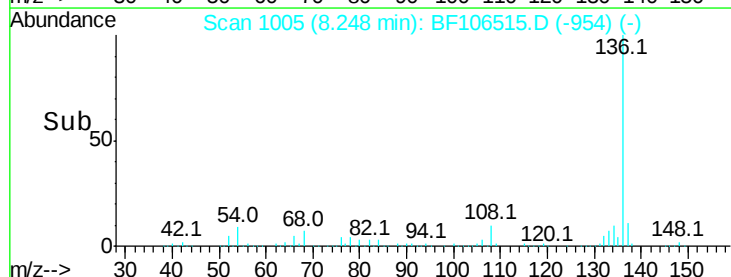
137 11.3 8.9 13.3

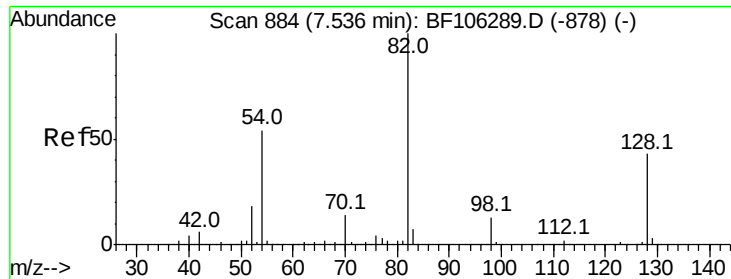
54 8.9 6.6 9.8

68 7.0 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

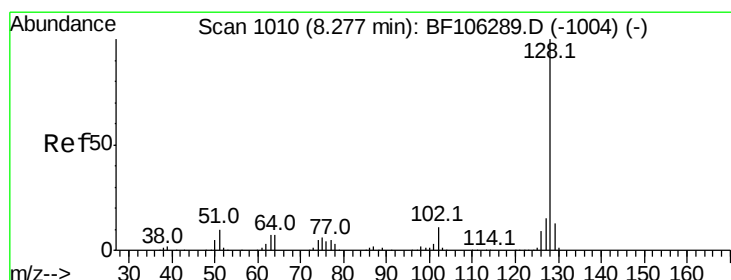
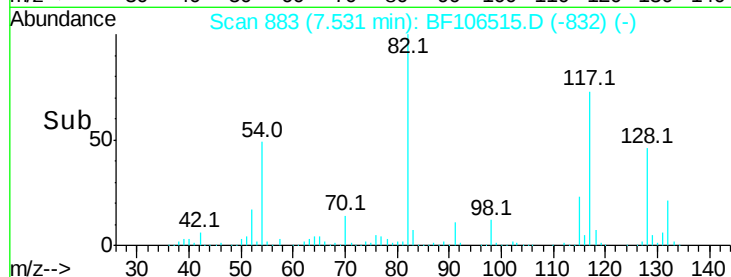
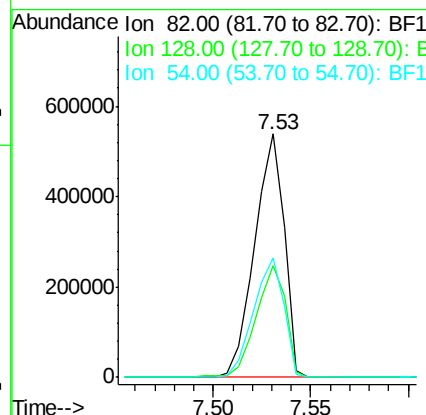
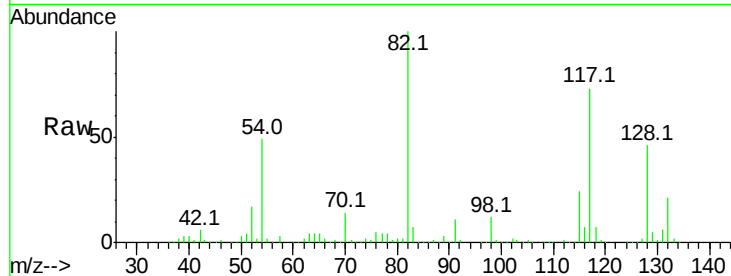




#23  
 Nitrobenzene-d5  
 Concen: 86.627 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. 0.00 min  
 Lab File: BF106515.D  
 Acq: 16 Jun 2018 2:33

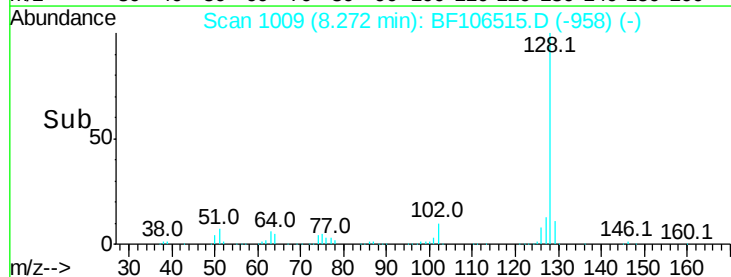
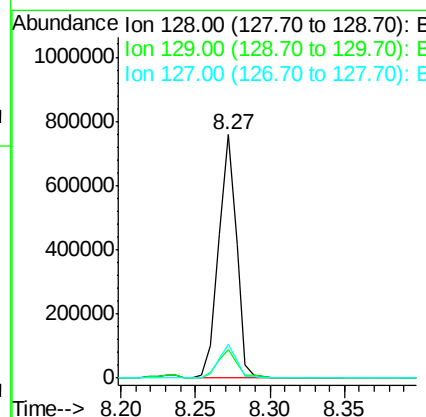
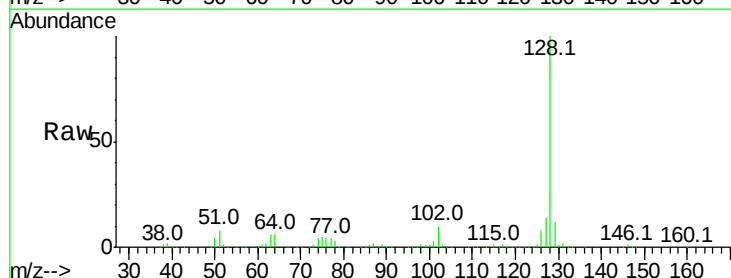
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-33

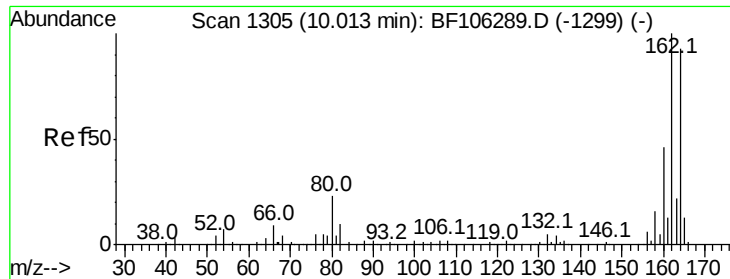
Tot Ion: 82 Resp: 564134  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 36.1 54.1  
 54 49.1 41.4 62.2



#31  
 Naphthalene  
 Concen: 36.702 ng  
 RT: 8.27 min Scan# 1009  
 Delta R.T. 0.00 min  
 Lab File: BF106515.D  
 Acq: 16 Jun 2018 2:33

Tgt Ion: 128 Resp: 635624  
 Ion Ratio Lower Upper  
 128 100  
 129 11.7 8.8 13.2  
 127 13.7 10.9 16.3

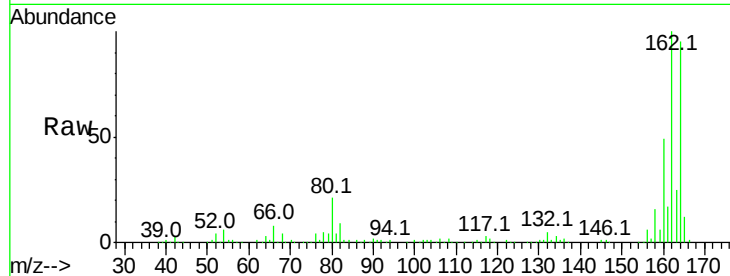




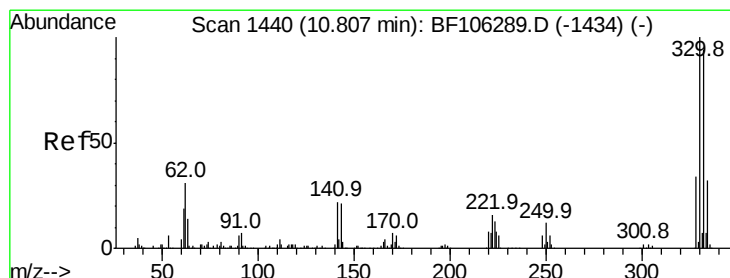
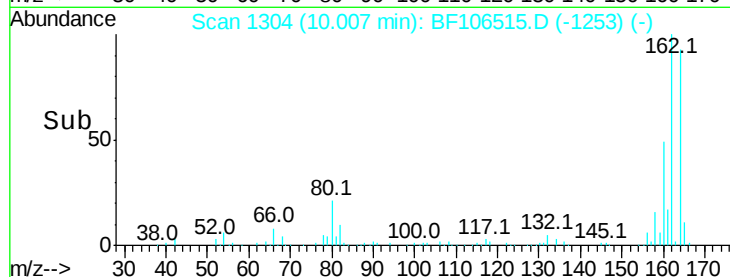
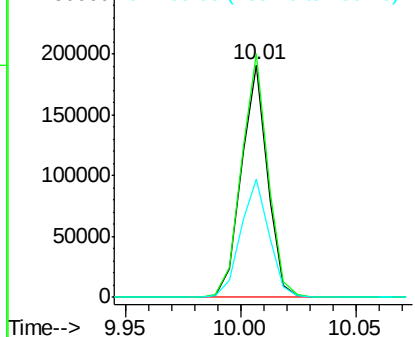
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Instrument :  
BNA\_F  
ClientSampleId :  
W-33

Tot Ion:164 Resp: 150900  
Ion Ratio Lower Upper  
164 100  
162 104.9 86.1 129.1  
160 51.0 38.3 57.5

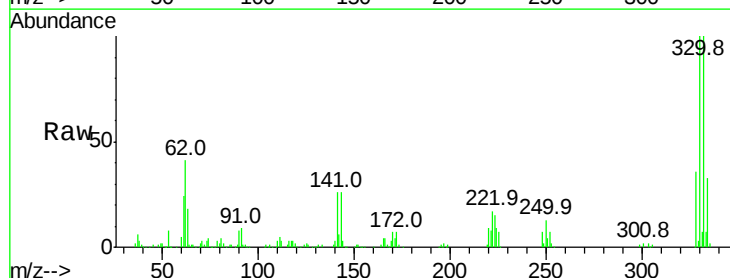


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

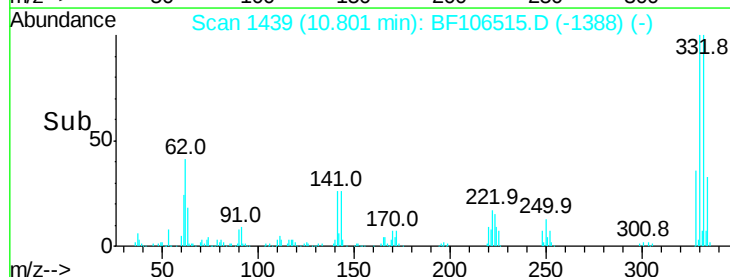
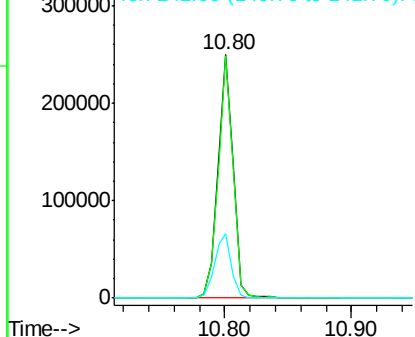


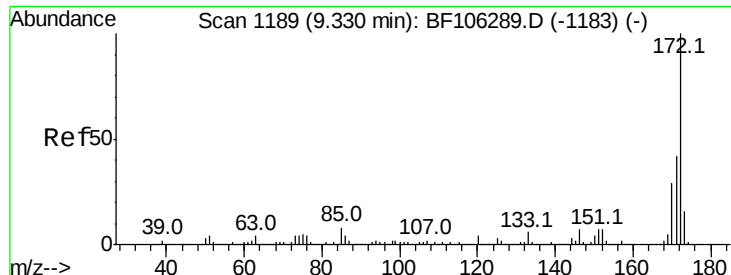
#41  
2,4,6-Tribromophenol  
Concen: 146.685 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Tgt Ion:330 Resp: 212975  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.6  
141 28.8 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

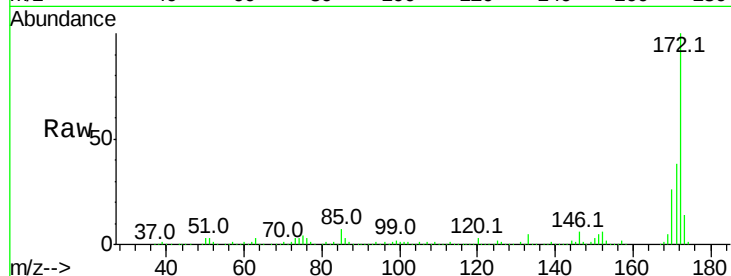




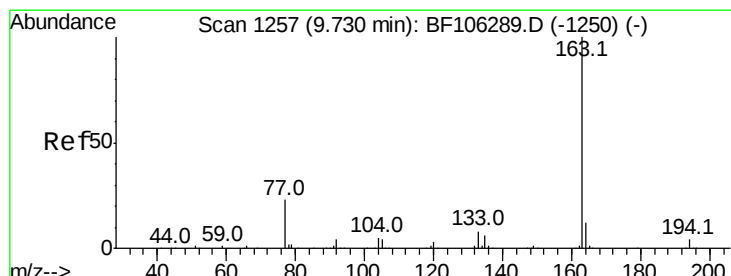
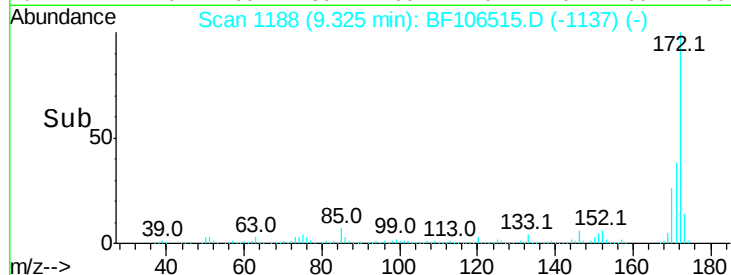
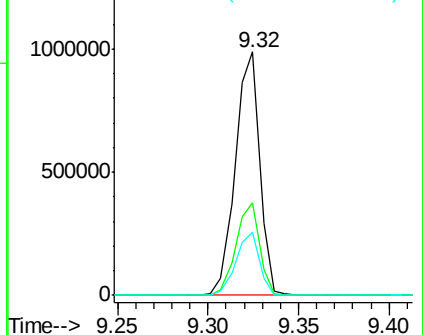
#44  
2-Fluorobiphenyl  
Concen: 125.625 ng  
RT: 9.32 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Instrument :  
BNA\_F  
ClientSampleId :  
W-33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 29.7  | 44.5  |
| 170     | 26.2  | 19.6  | 29.4  |

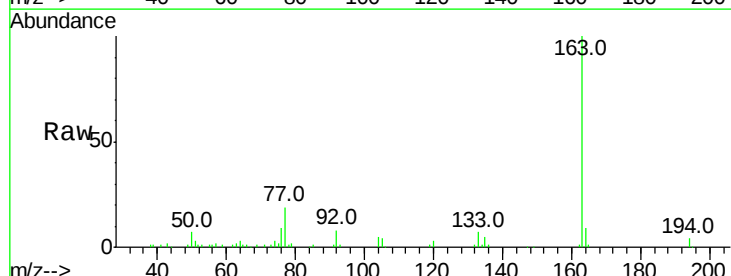


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

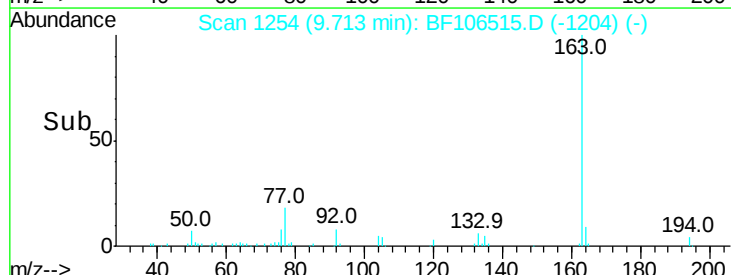
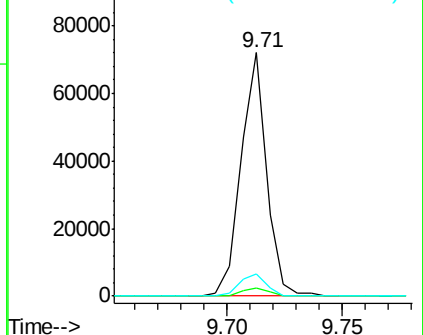


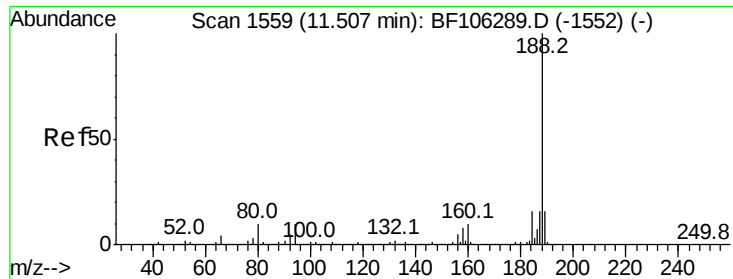
#49  
Dimethylphthalate  
Concen: 5.173 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 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

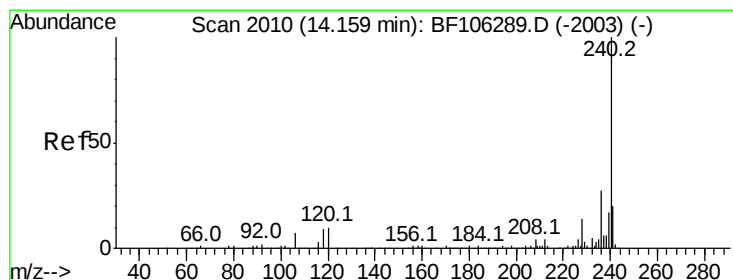
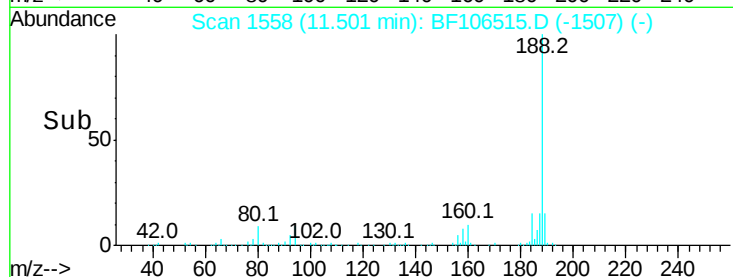
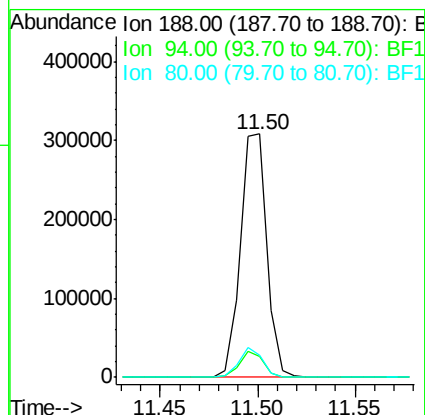
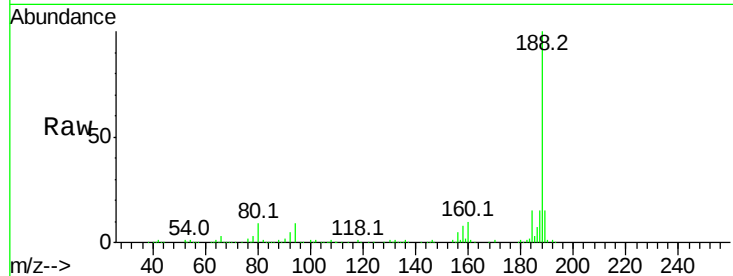




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

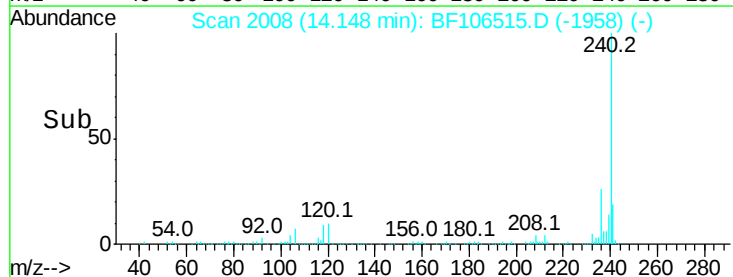
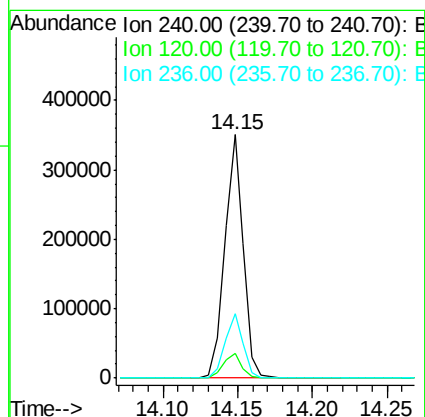
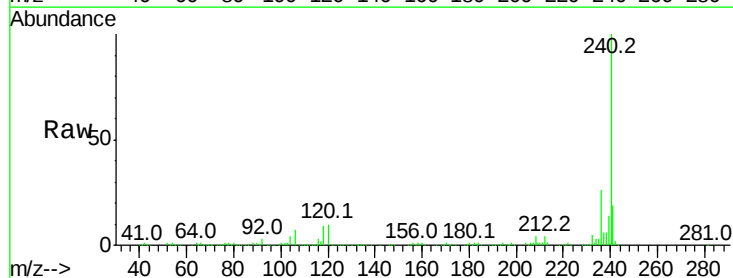
Instrument :  
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W-33

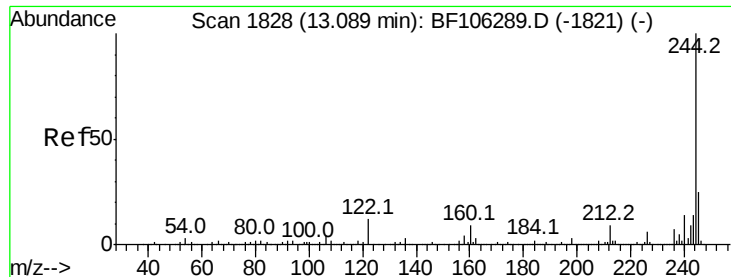
Tot Ion:188 Resp: 288782  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 9.2 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF106515.D  
Acq: 16 Jun 2018 2:33

Tgt Ion:240 Resp: 306003  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.5 14.3  
236 26.5 20.7 31.1





#78

Terphenyl-d14

Concen: 89.748 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106515.D

Acq: 16 Jun 2018 2:33

Instrument :

BNA\_F

ClientSampleId :

W-33

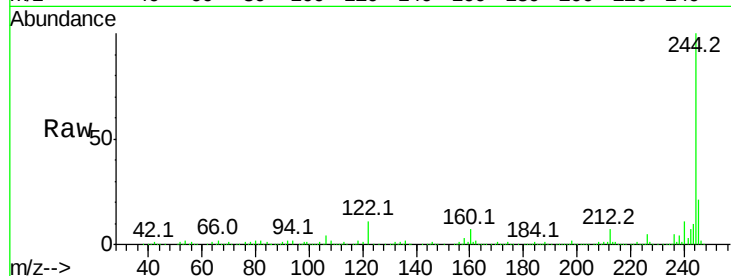
Tot Ion:244 Resp: 1105702

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

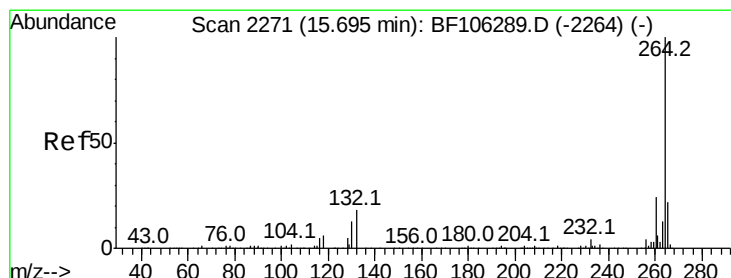
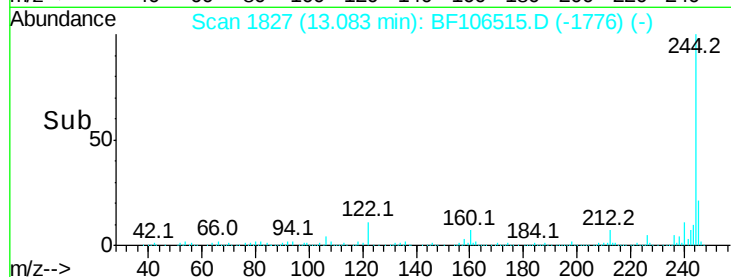
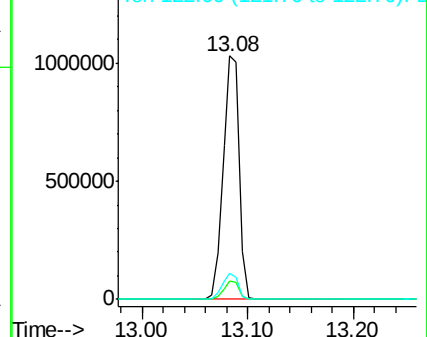
122 10.9 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106515.D

Acq: 16 Jun 2018 2:33

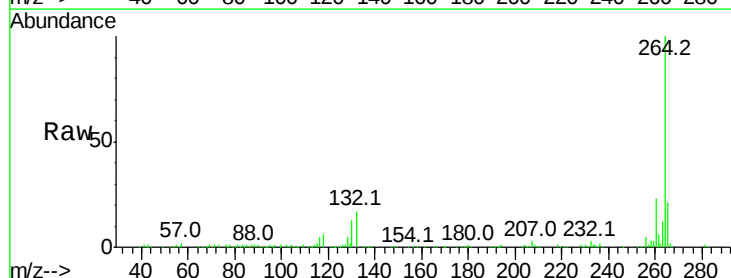
Tgt Ion:264 Resp: 213083

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

