

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071218\  
 Data File : BF107344.D  
 Acq On : 12 Jul 2018 17:35  
 Operator : JU/SJ  
 Sample : J3914-01DL2 100X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1DL

Quant Time: Jul 12 18:04:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 11 16:39:37 2018  
 Response via : Initial Calibration

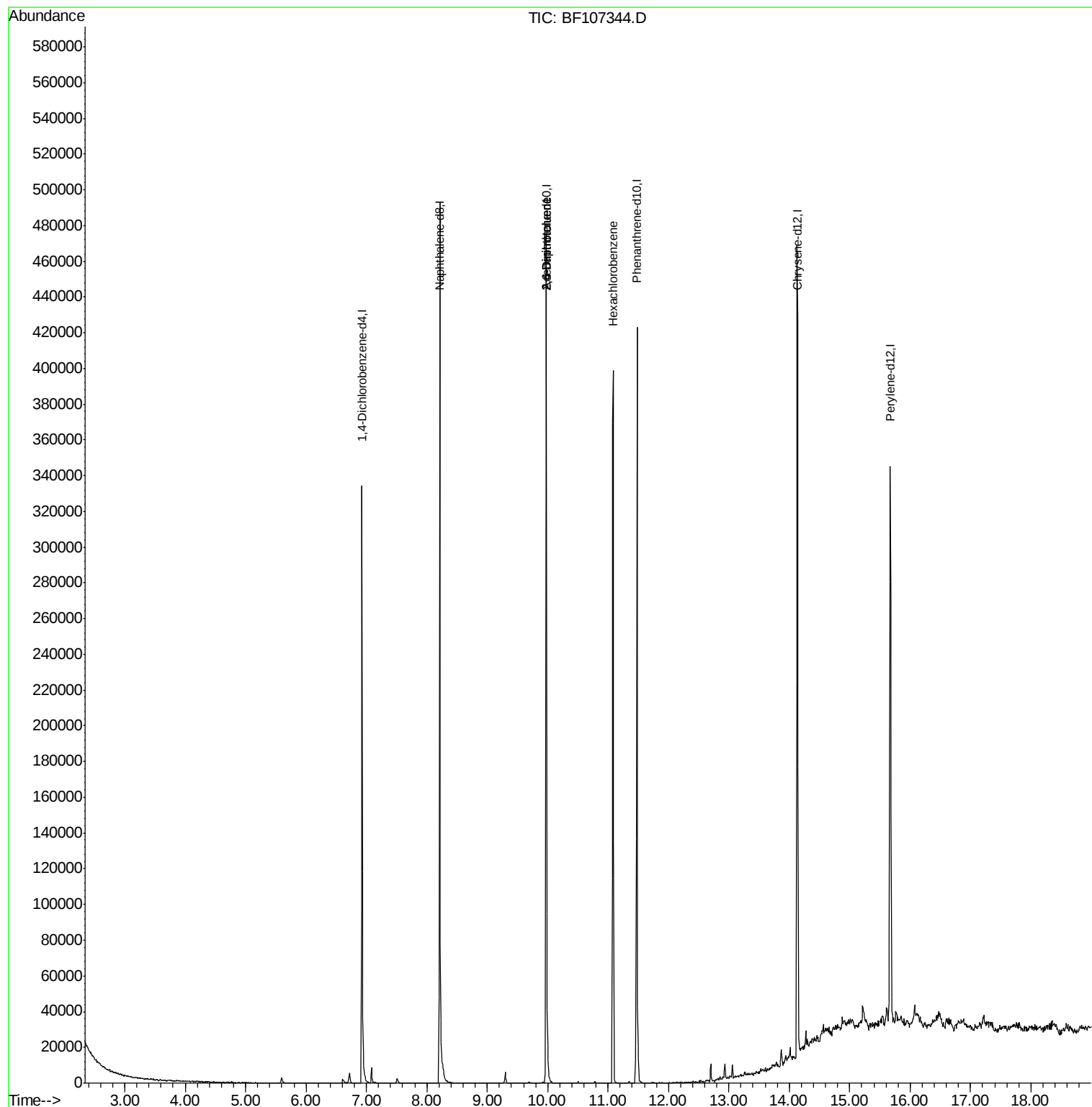
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 61322    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.21  | 136  | 246394   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.98  | 164  | 115999   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.48 | 188  | 190813   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.13 | 240  | 180651   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.67 | 264  | 165243   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 2442     | 0.67   | ng    | 0.03     |
| 7) Phenol-d6                | 6.61  | 99   | 3425     | 0.76   | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 2052     | 0.46   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 396      | 0.29   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 4918     | -16.98 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.06 | 244  | 4425     | 0.59   | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) 2,6-Dinitrotoluene      | 9.98  | 165  | 14778    | 8.022  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene      | 9.98  | 165  | 14778    | 6.146  | ng    | # 21     |
| 67) Hexachlorobenzene       | 11.08 | 284  | 62688    | 26.301 | ng    | # 82     |

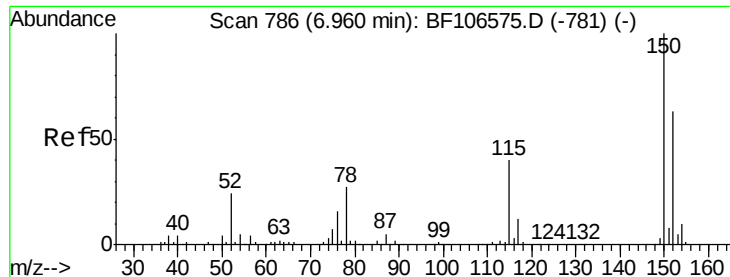
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071218\  
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Sample : J3914-01DL2 100X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B1DL

Quant Time: Jul 12 18:04:15 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 11 16:39:37 2018  
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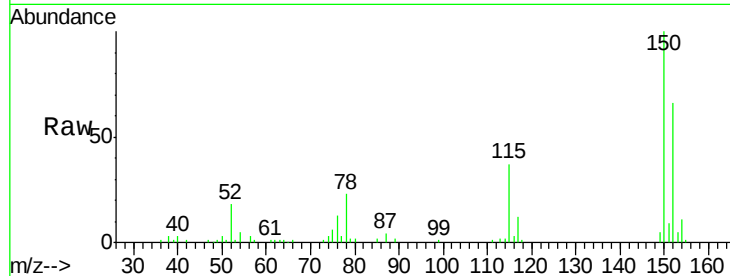


#1

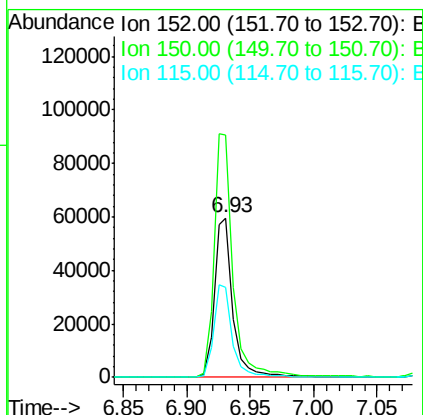
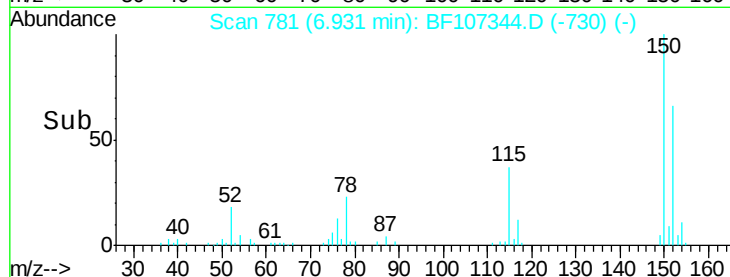
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BF107344.D  
Acq: 12 Jul 2018 17:35

Instrument :  
BNA\_F  
ClientSampleId :  
B1DL

Tgt Ion:152 Resp: 61322  
Ion Ratio Lower Upper  
152 100  
150 152.2 124.6 186.8  
115 56.6 50.1 75.1



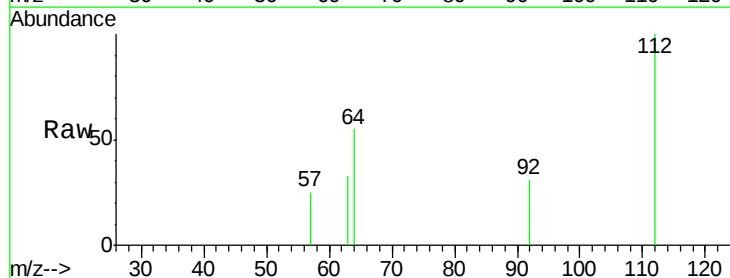
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



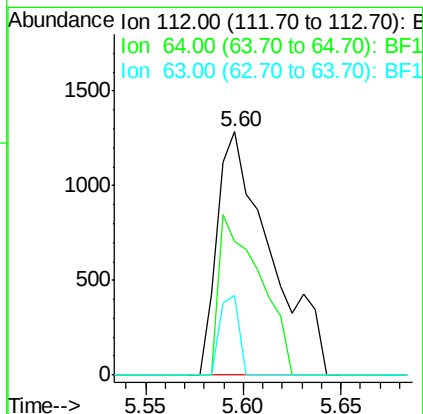
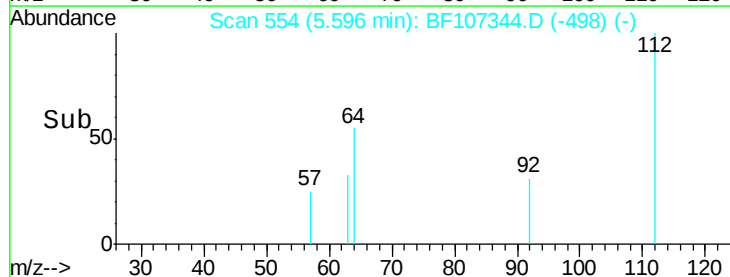
#5

2-Fluorophenol  
Concen: 0.674 ng  
RT: 5.60 min Scan# 554  
Delta R.T. 0.03 min  
Lab File: BF107344.D  
Acq: 12 Jul 2018 17:35

Tgt Ion:112 Resp: 2442  
Ion Ratio Lower Upper  
112 100  
64 55.0 47.9 71.9  
63 32.5 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: 0.757 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.03 min

Lab File: BF107344.D

Acq: 12 Jul 2018 17:35

Instrument :

BNA\_F

ClientSampleId :

B1DL

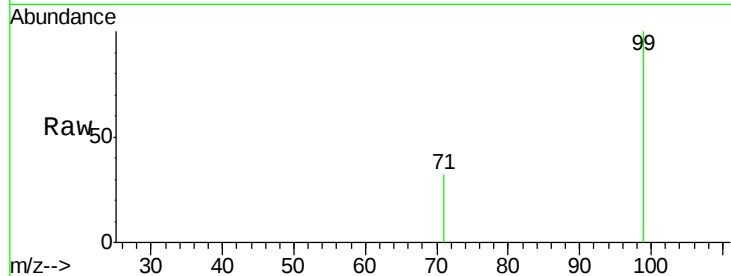
Tgt Ion: 99 Resp: 3425

Ion Ratio Lower Upper

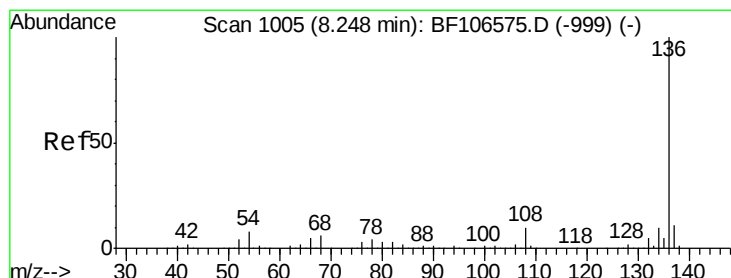
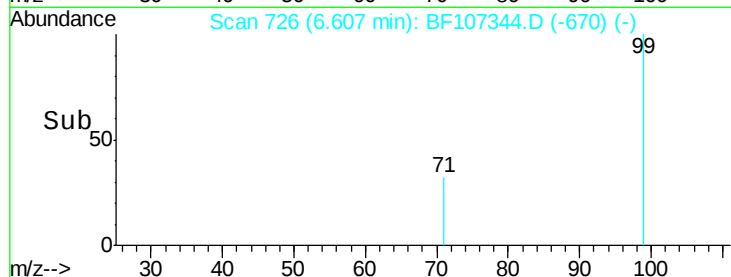
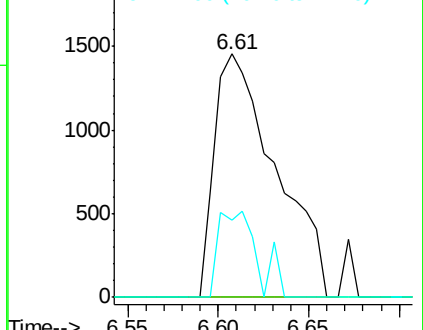
99 100

42 0.0 14.5 21.7#

71 31.9 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: 8.21 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF107344.D

Acq: 12 Jul 2018 17:35

Tgt Ion: 136 Resp: 246394

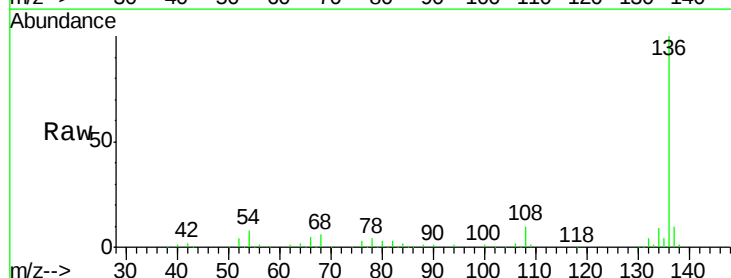
Ion Ratio Lower Upper

136 100

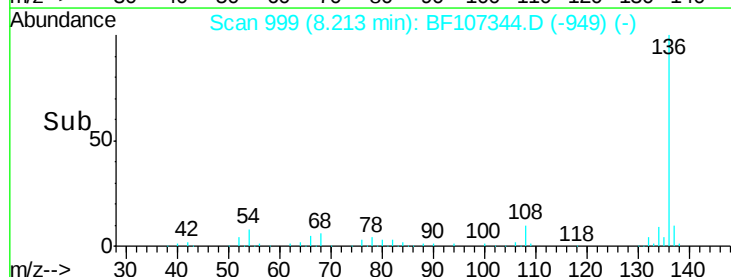
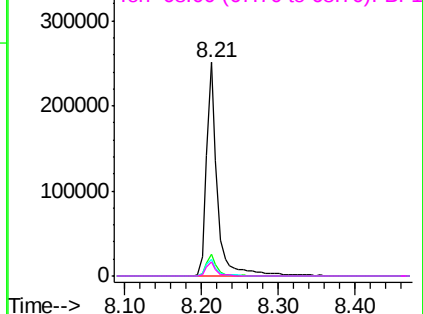
137 10.3 8.9 13.3

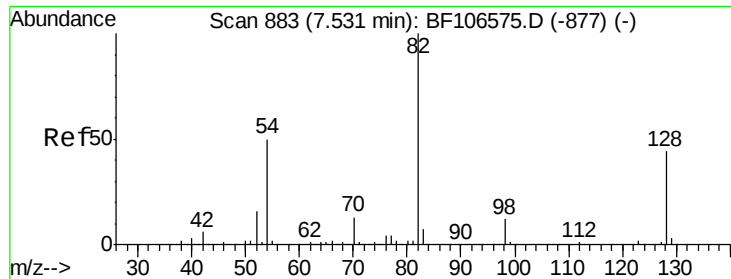
54 8.1 6.6 9.8

68 6.4 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

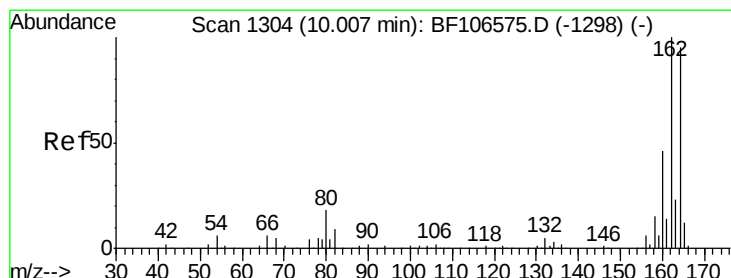
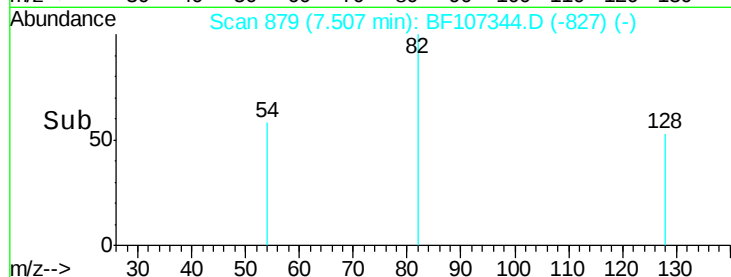
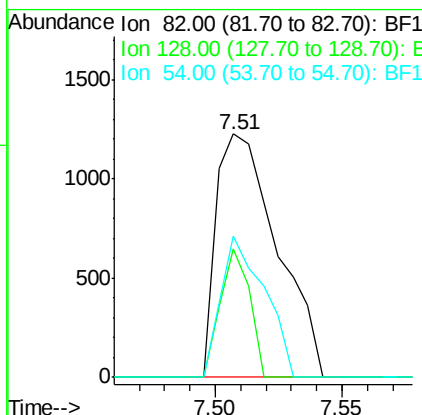
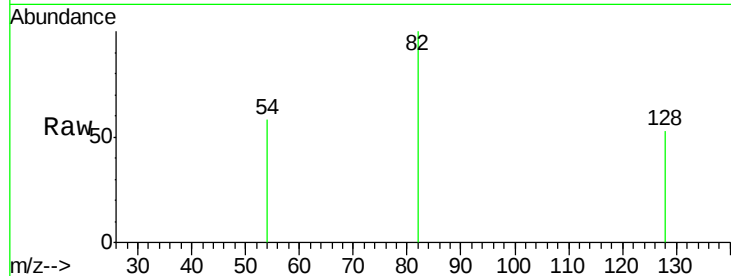




#23  
 Nitrobenzene-d5  
 Concen: 0.463 ng  
 RT: 7.51 min Scan# 879  
 Delta R.T. 0.01 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

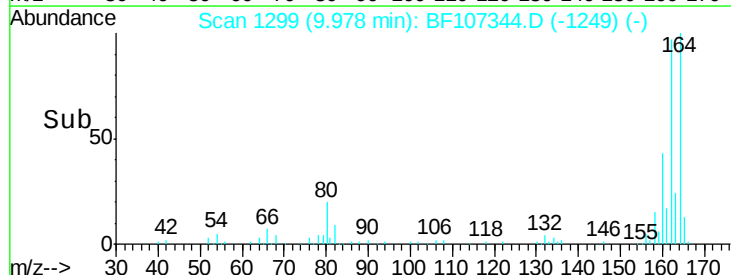
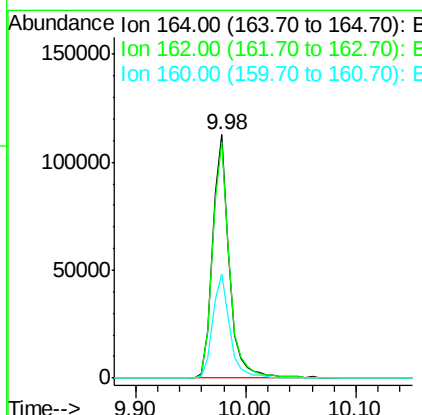
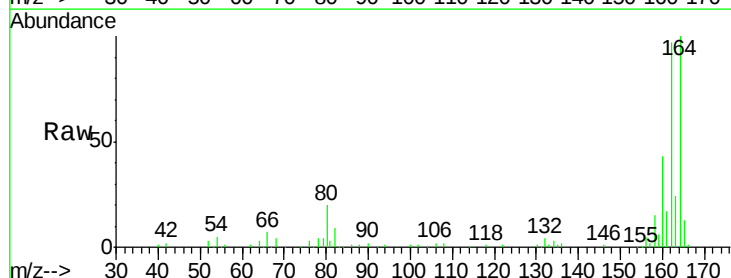
Instrument :  
 BNA\_F  
 ClientSampleID :  
 B1DL

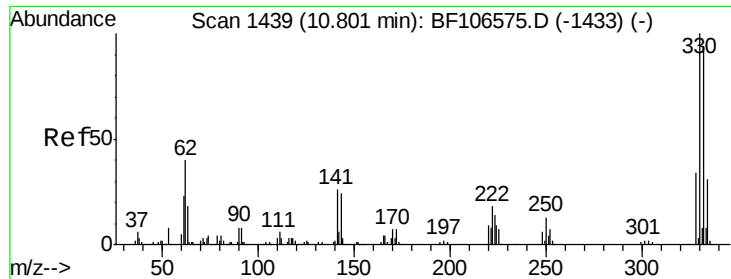
Tgt Ion: 82 Resp: 2052  
 Ion Ratio Lower Upper  
 82 100  
 128 52.6 36.1 54.1  
 54 58.2 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

Tgt Ion: 164 Resp: 115999  
 Ion Ratio Lower Upper  
 164 100  
 162 96.8 86.1 129.1  
 160 42.8 38.3 57.5

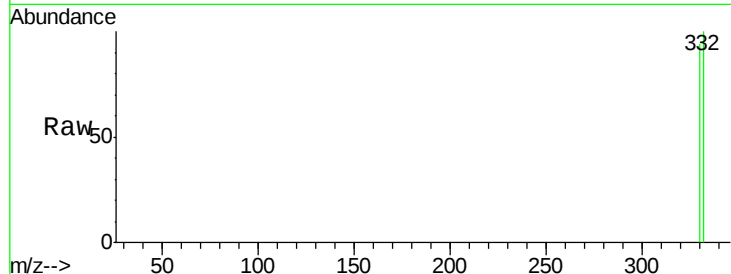




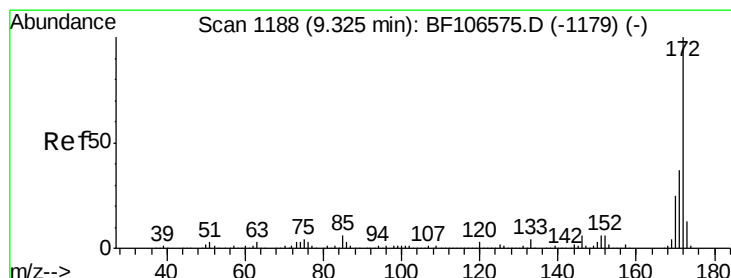
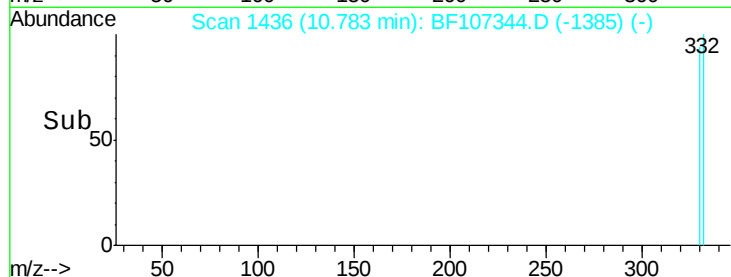
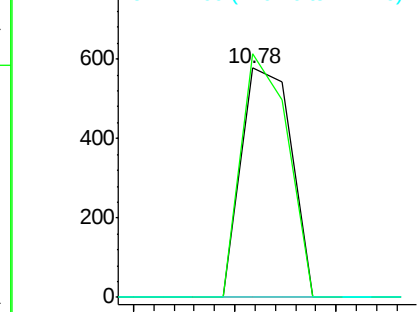
#41  
 2,4,6-Tribromophenol  
 Concen: 0.295 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. 0.00 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1DL

Tgt Ion:330 Resp: 396  
 Ion Ratio Lower Upper  
 330 100  
 332 99.2 77.0 115.6  
 141 0.0 29.9 44.9#

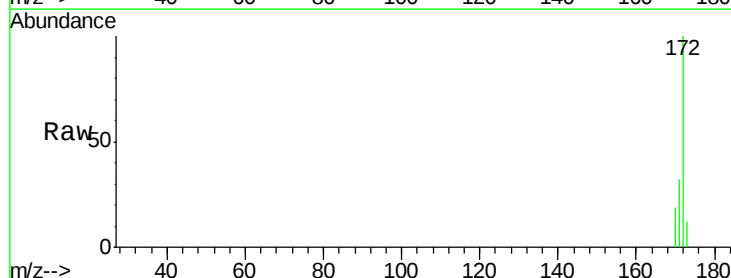


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

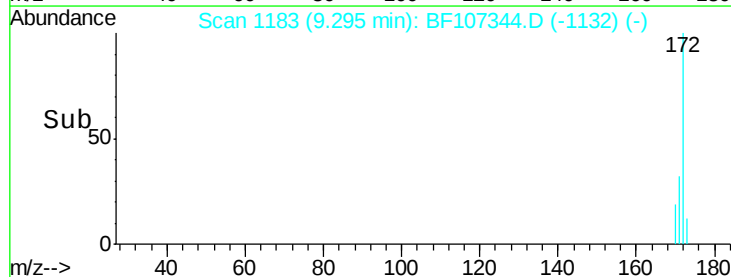
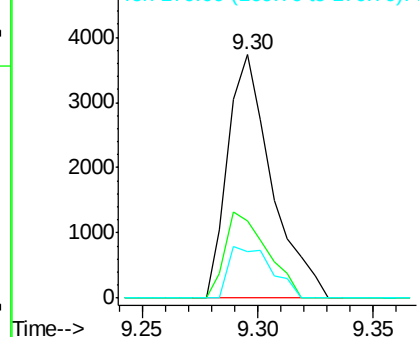


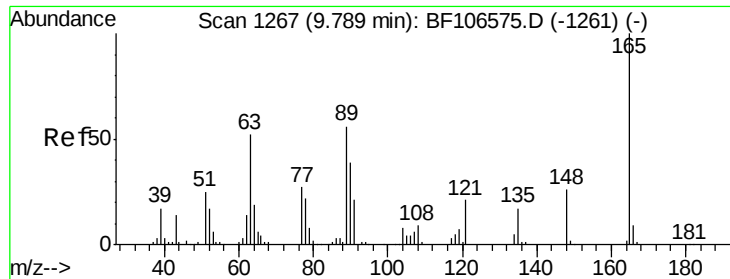
#44  
 2-Fluorobiphenyl  
 Concen: -16.980 ng  
 RT: 9.30 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

Tgt Ion:172 Resp: 4918  
 Ion Ratio Lower Upper  
 172 100  
 171 31.6 29.7 44.5  
 170 19.3 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

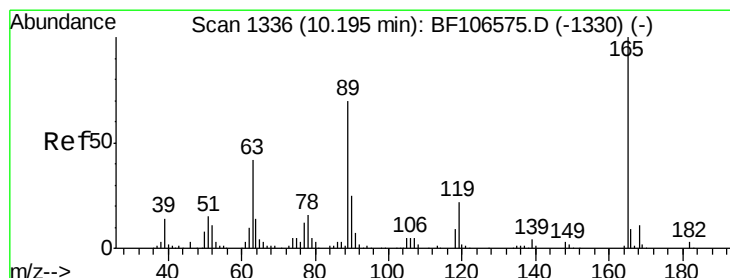
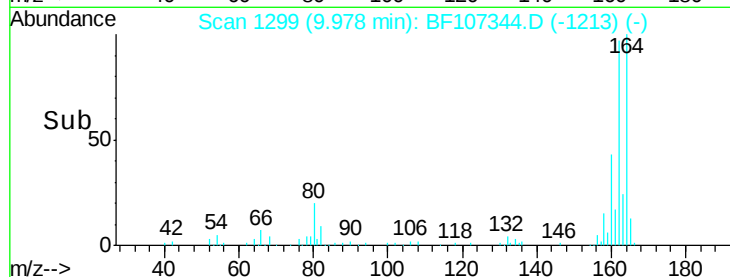
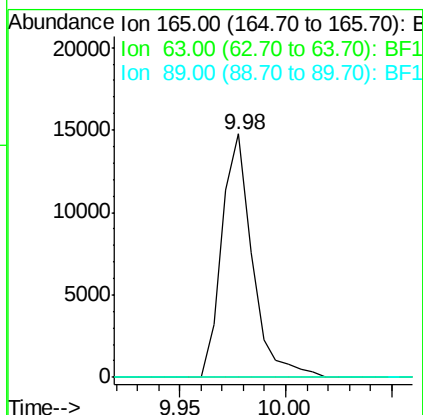
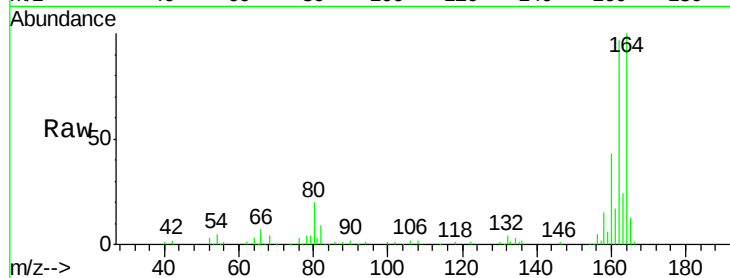




#50  
 2,6-Dinitrotoluene  
 Concen: 8.022 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. 0.21 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

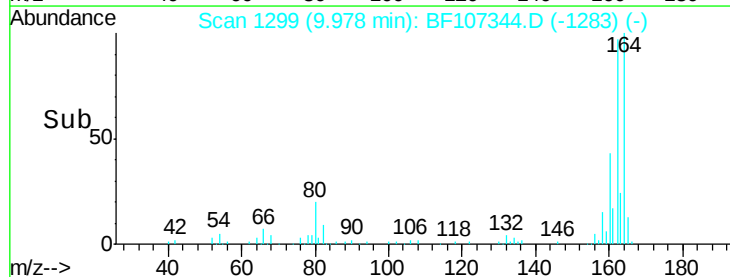
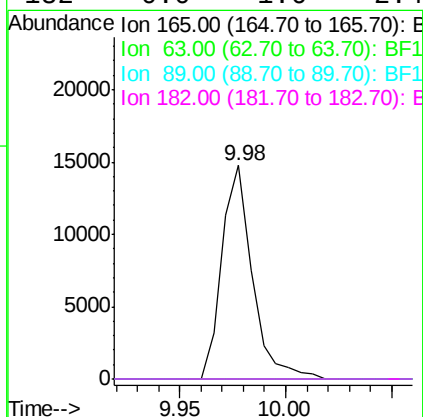
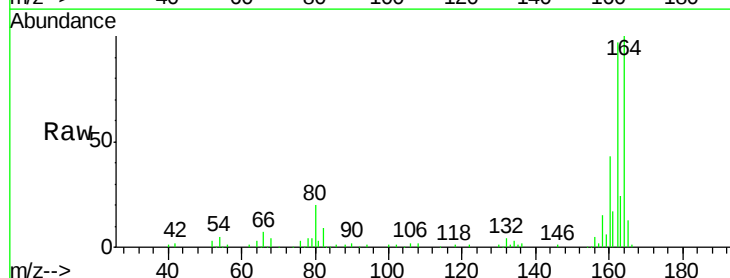
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1DL

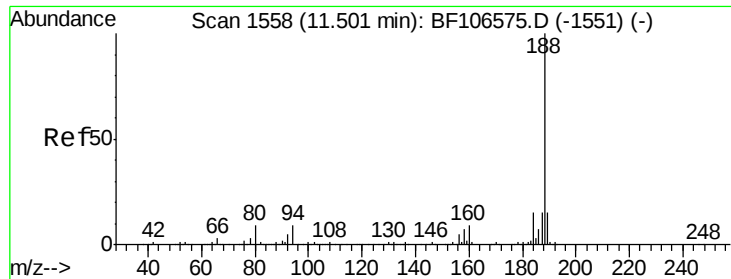
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.146 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. -0.21 min  
 Lab File: BF107344.D  
 Acq: 12 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

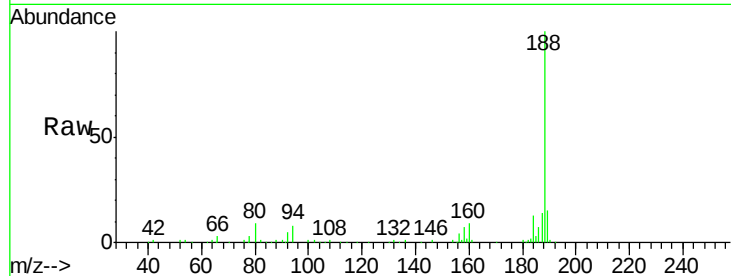




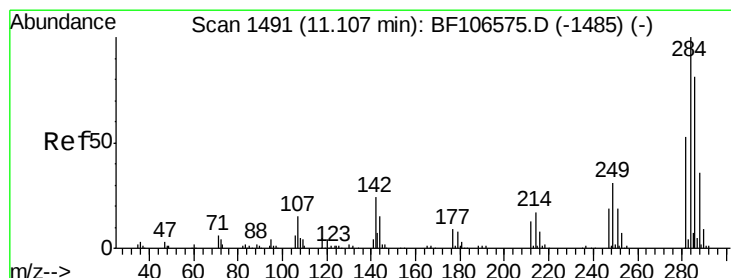
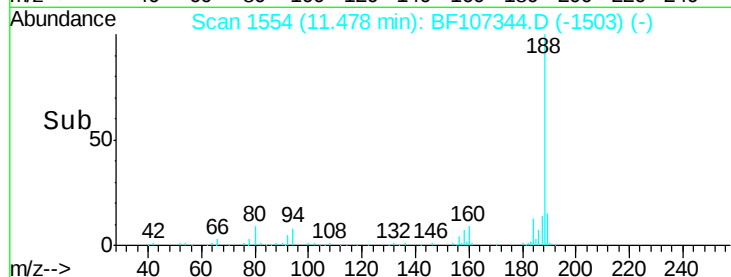
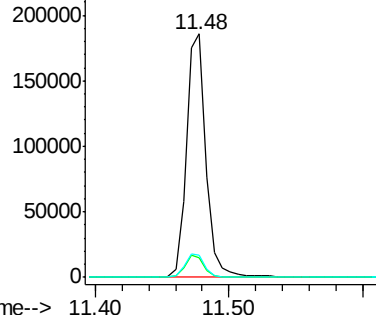
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1554  
Delta R.T. 0.00 min  
Lab File: BF107344.D  
Acq: 12 Jul 2018 17:35

Instrument :  
BNA\_F  
ClientSampled :  
B1DL

Tgt Ion:188 Resp: 190813  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.5 12.7#  
80 9.2 9.2 13.8#

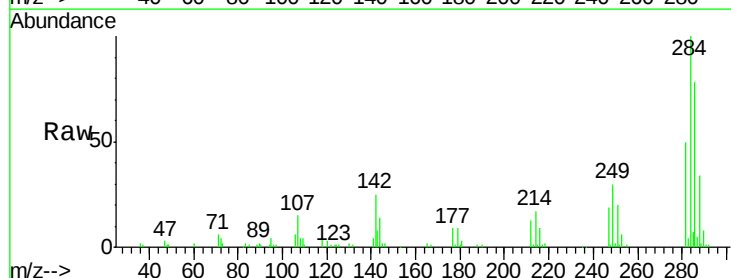


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

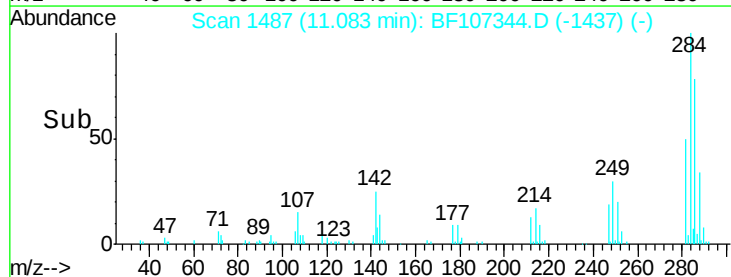
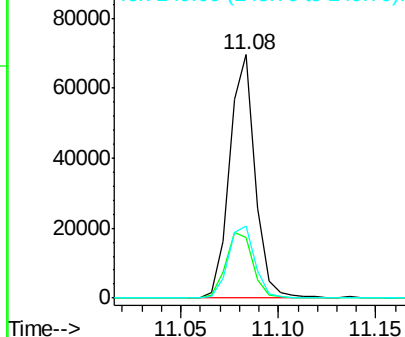


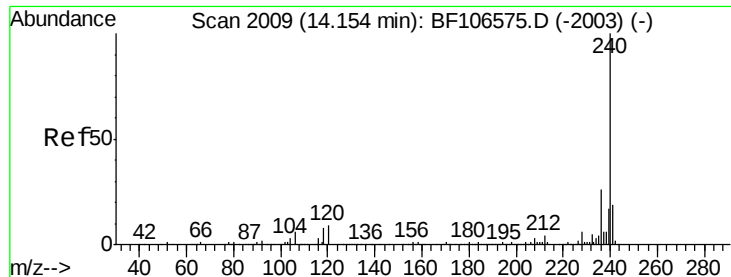
#67  
Hexachlorobenzene  
Concen: 26.301 ng  
RT: 11.08 min Scan# 1487  
Delta R.T. -0.01 min  
Lab File: BF107344.D  
Acq: 12 Jul 2018 17:35

Tgt Ion:284 Resp: 62688  
Ion Ratio Lower Upper  
284 100  
142 24.8 34.6 52.0#  
249 29.8 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107344.D

Acq: 12 Jul 2018 17:35

Instrument :

BNA\_F

ClientSampleId :

B1DL

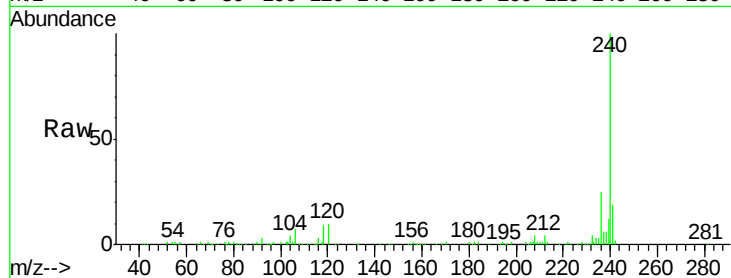
Tgt Ion:240 Resp: 180651

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

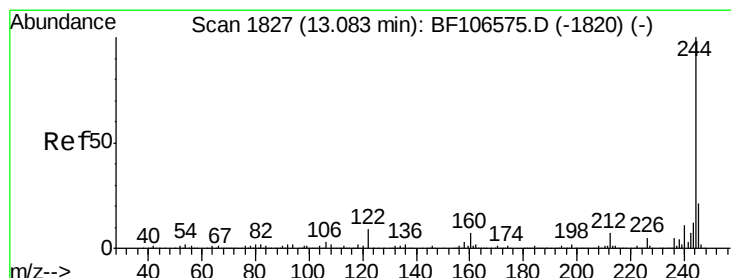
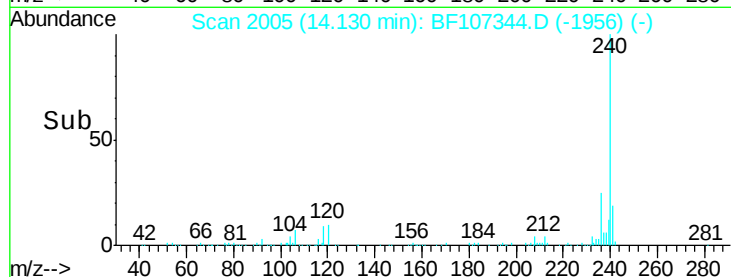
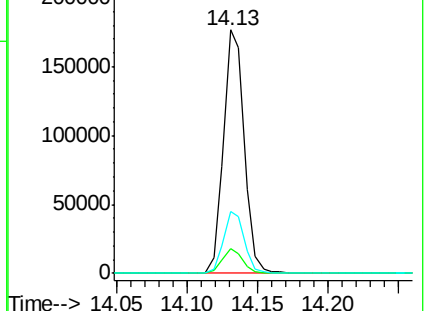
236 25.3 20.7 31.1



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: 0.593 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF107344.D

Acq: 12 Jul 2018 17:35

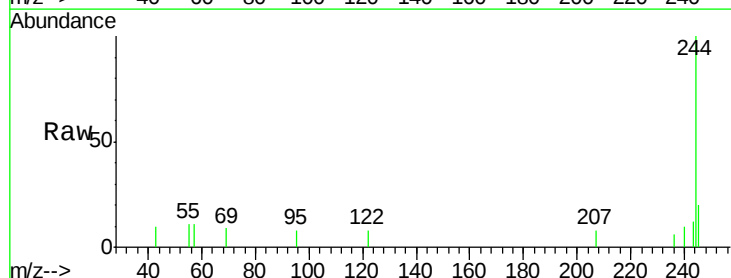
Tgt Ion:244 Resp: 4425

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

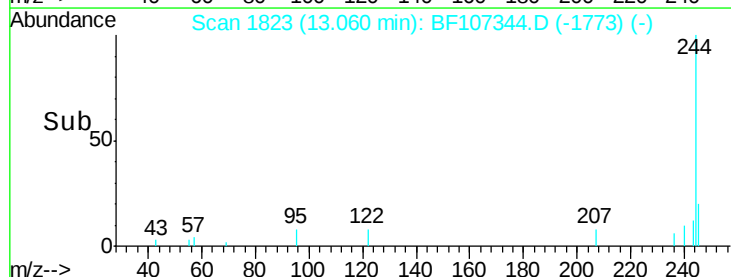
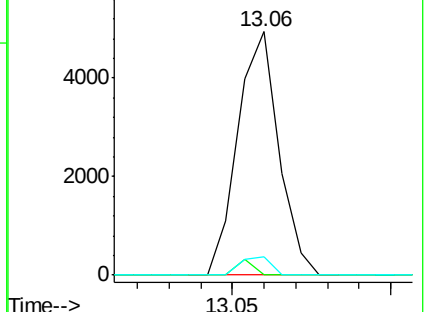
122 7.7 11.0 16.4#

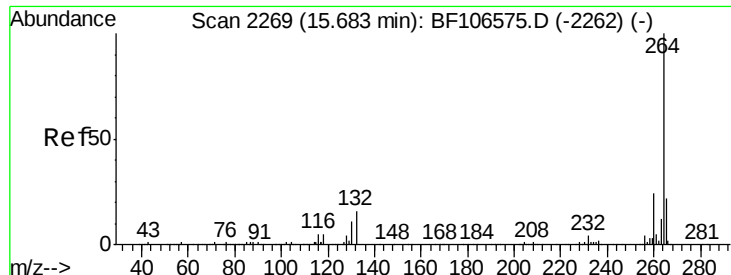


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2267  
Delta R.T. -0.01 min  
Lab File: BF107344.D  
Acq: 12 Jul 2018 17:35

Instrument :  
BNA\_F  
ClientSampleId :  
B1DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

