

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\  
 Data File : BF111787.D  
 Acq On : 28 Dec 2018 14:36  
 Operator : JU/SJ  
 Sample : J6579-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TN-122618-C

Quant Time: Dec 29 01:22:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

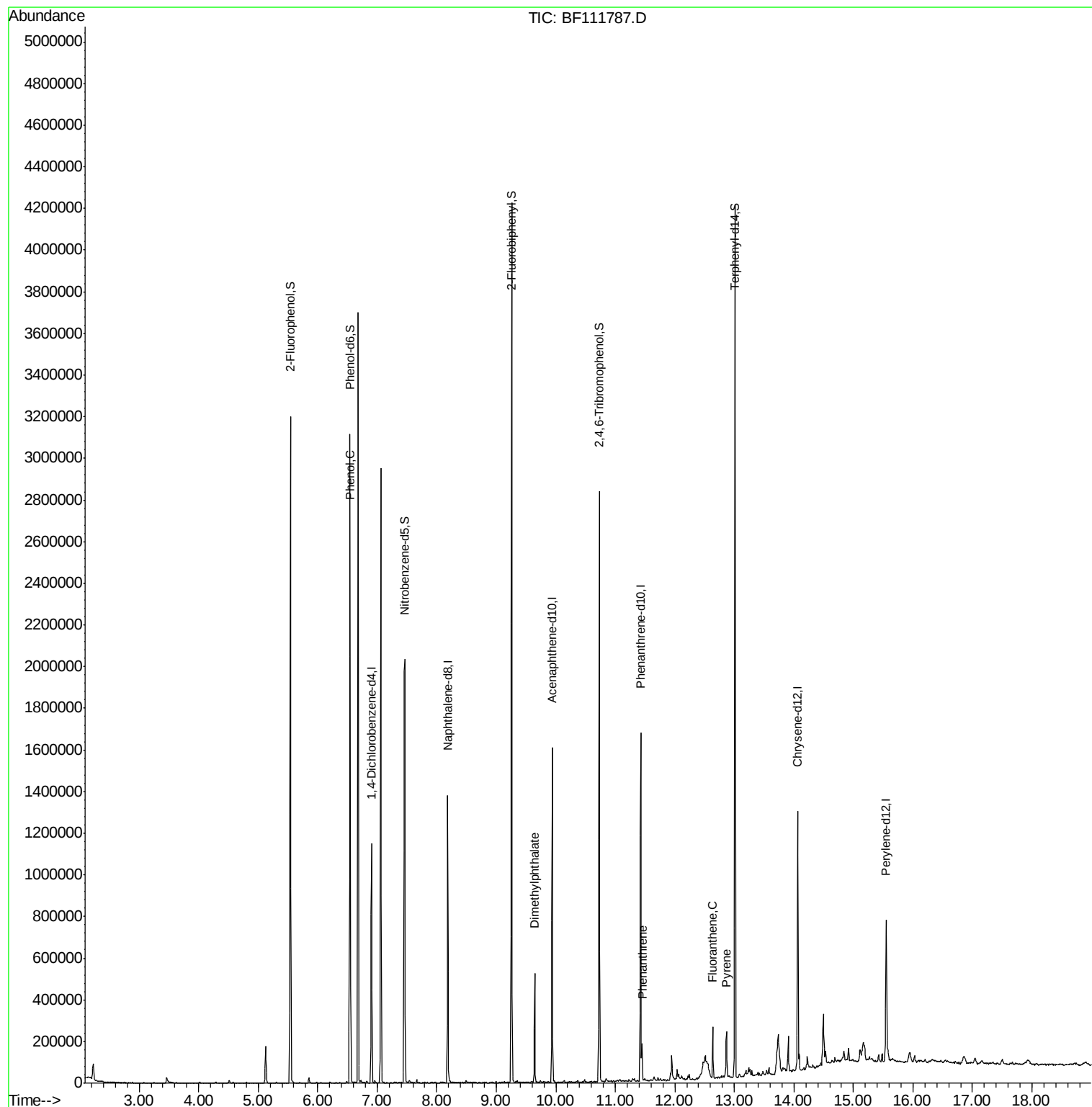
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 155090   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.19  | 136  | 581473   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.94  | 164  | 299825   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.43 | 188  | 579913   | 20.00  | ng    | 0.01     |
| 76) Chrysene-d12            | 14.06 | 240  | 415522   | 20.00  | ng    | 0.01     |
| 87) Perylene-d12            | 15.55 | 264  | 332579   | 20.00  | ng    | 0.04     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 807752   | 88.78  | ng    | 0.03     |
| 7) Phenol-d6                | 6.55  | 99   | 1065035  | 91.98  | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 692508   | 69.32  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330  | 358544   | 101.21 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 9.26  | 172  | 1337609  | 65.03  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.01 | 244  | 1435343  | 65.51  | ng    | 0.01     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.56  | 94   | 50220    | 3.844  | ng    | 100      |
| 50) Dimethylphthalate       | 9.65  | 163  | 185746   | 8.472  | ng    | 98       |
| 71) Phenanthrene            | 11.45 | 178  | 65031    | 2.114  | ng    | 92       |
| 75) Fluoranthene            | 12.64 | 202  | 88882    | 2.854  | ng    | 93       |
| 78) Pyrene                  | 12.87 | 202  | 87649    | 2.987  | ng    | 93       |

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

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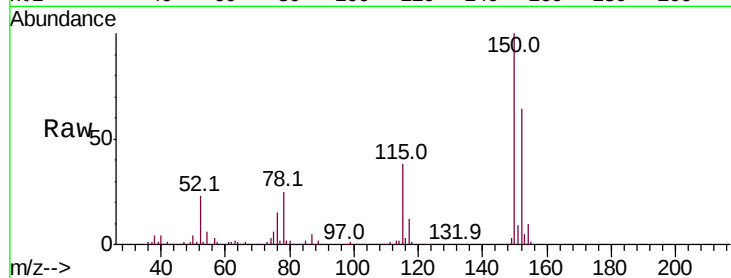


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
TN-122618-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.7 | 126.6 | 189.8 |
| 115     | 59.7  | 50.7  | 76.1  |

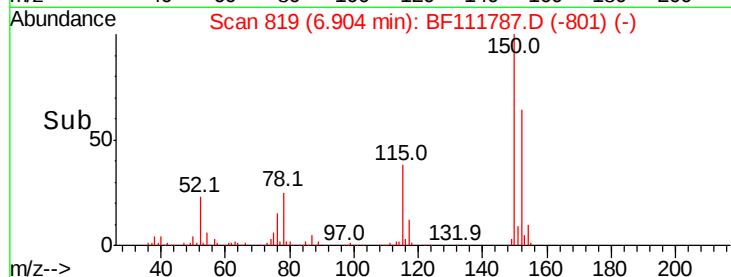
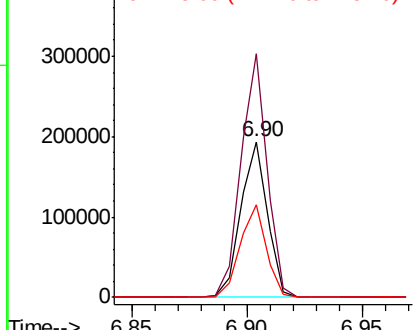


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

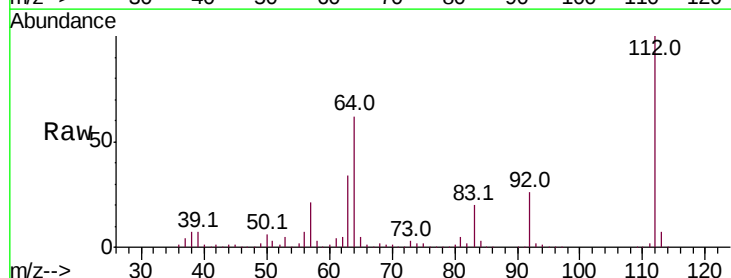
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 88.777 ng  
RT: 5.55 min Scan# 588  
Delta R.T. 0.03 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.2  | 51.8  | 77.6  |
| 63      | 34.5  | 26.8  | 40.2  |

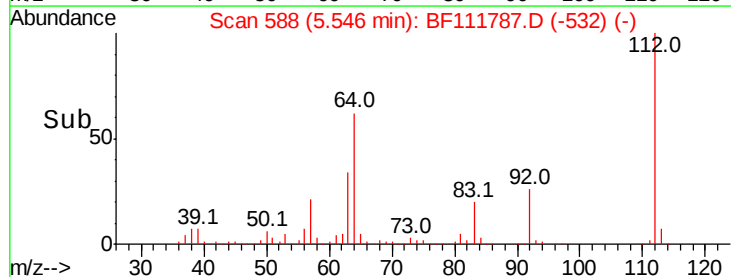
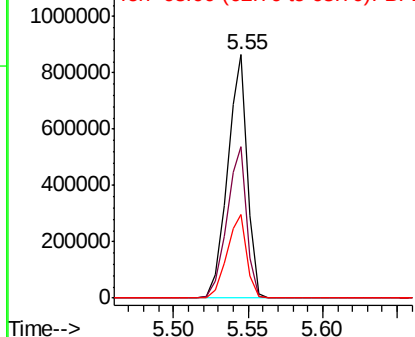


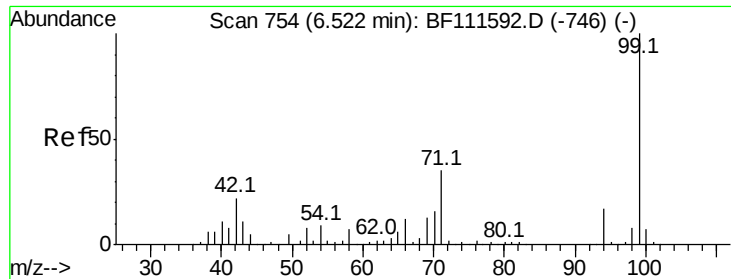
Abundance

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: 91.976 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

Instrument :

BNA\_F

ClientSampleId :

TN-122618-C

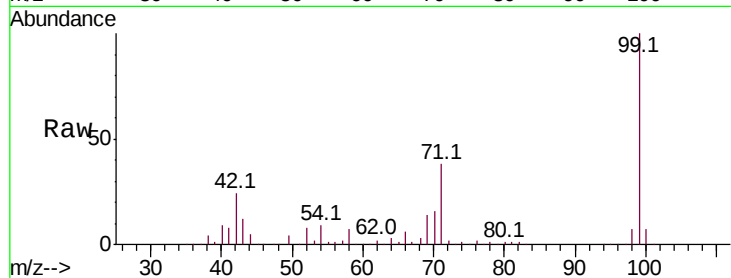
Tot Ion: 99 Resp: 1065035

Ion Ratio Lower Upper

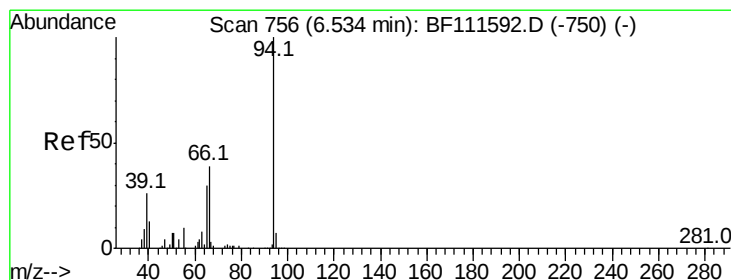
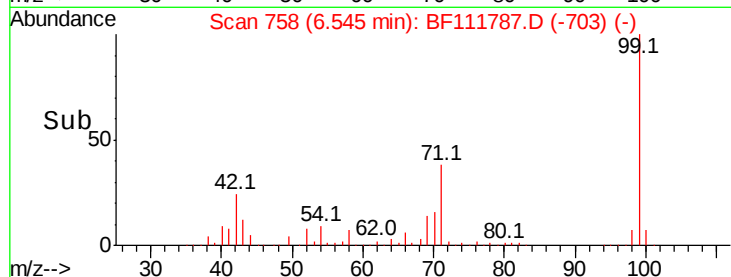
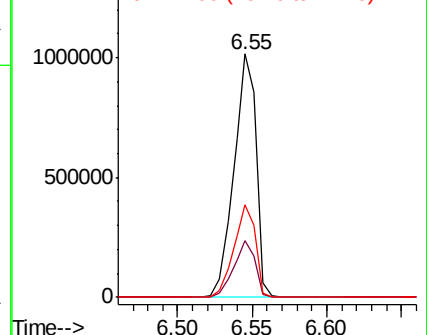
99 100

42 23.5 17.4 26.0

71 37.8 26.1 39.1



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



#10

Phenol

Concen: 3.844 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

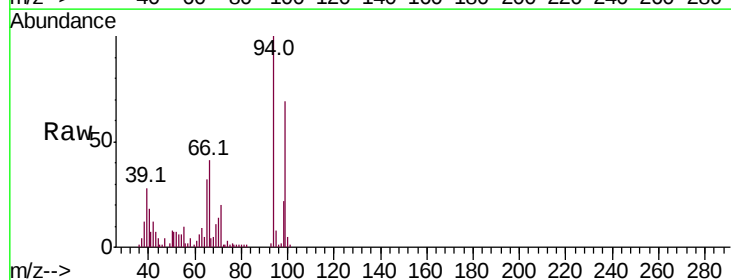
Tgt Ion: 94 Resp: 50220

Ion Ratio Lower Upper

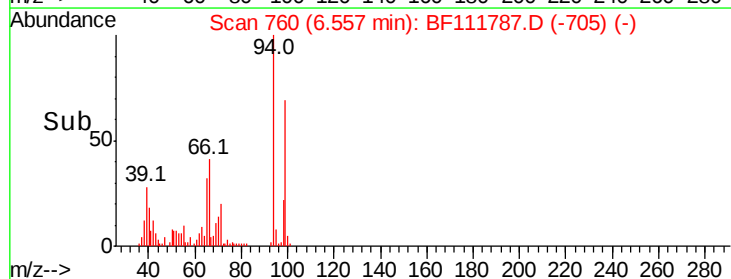
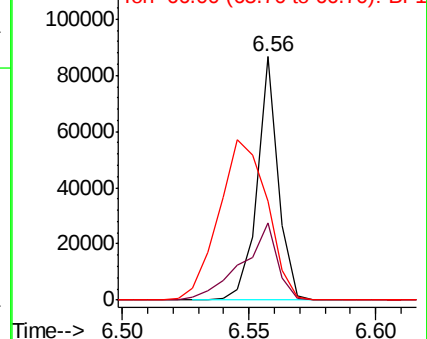
94 100

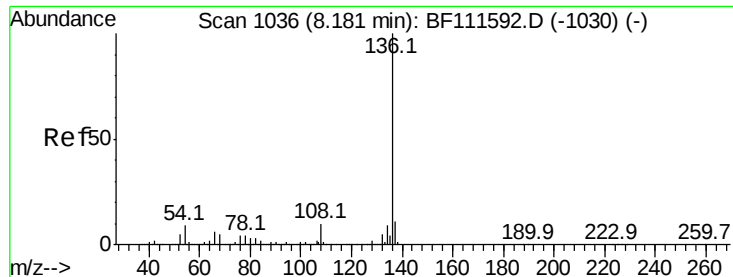
65 31.5 11.7 51.7

66 40.9 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

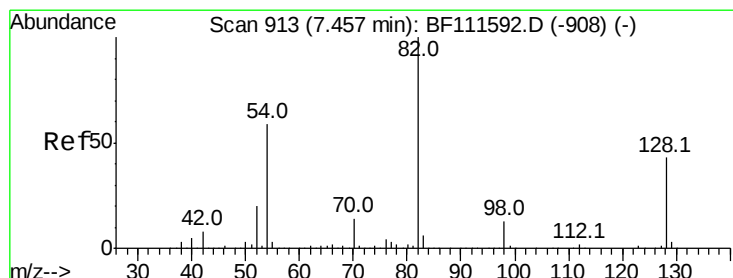
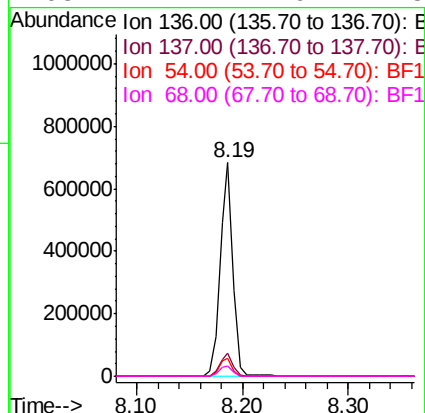
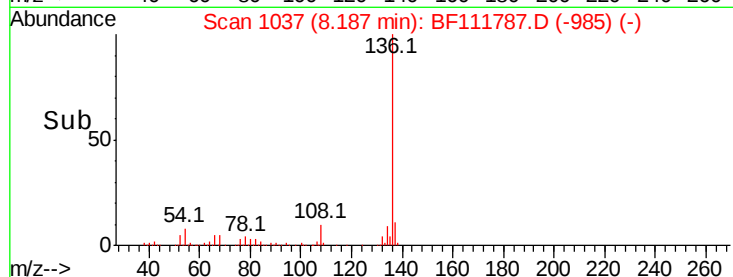
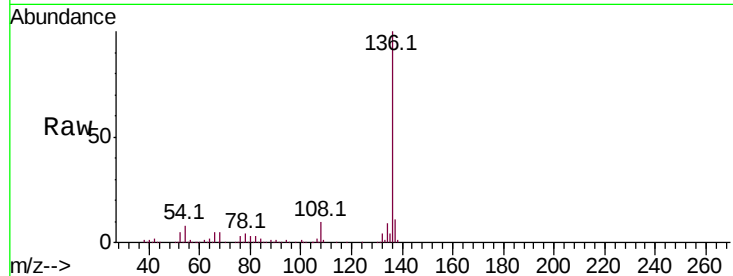




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

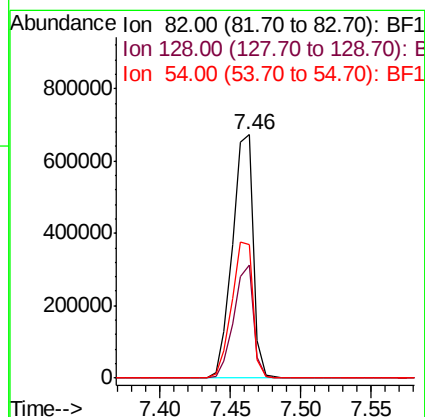
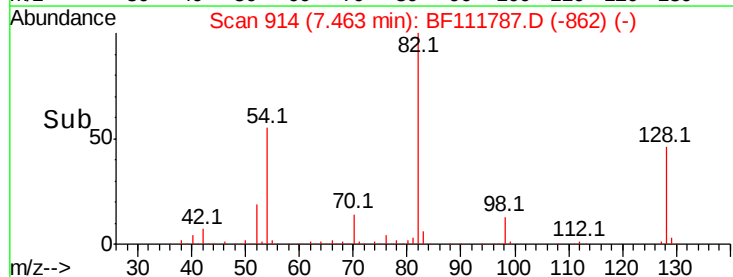
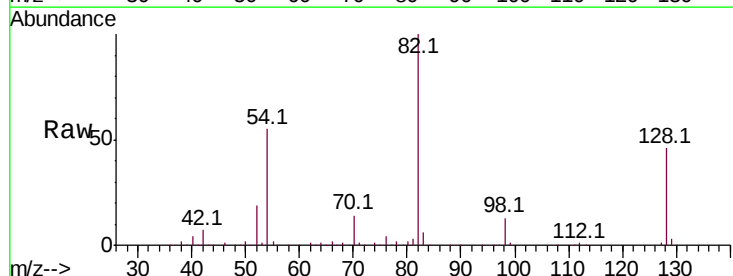
Instrument :  
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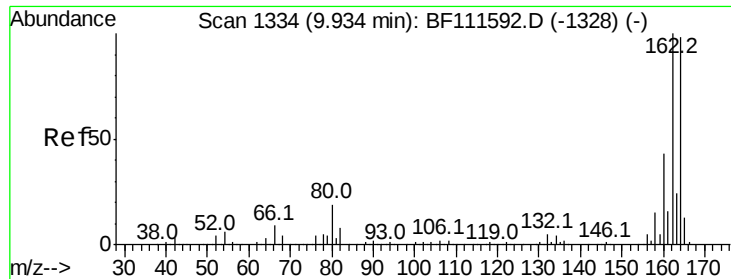
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 581473 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 9.1 13.7     |
| 54 8.2      | 7.7 11.5     |
| 68 4.7      | 4.9 7.3#     |



#23  
Nitrobenzene-d5  
Concen: 69.323 ng  
RT: 7.46 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 692508 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 46.4    | 37.4 56.2    |
| 54 54.6     | 47.6 71.4    |

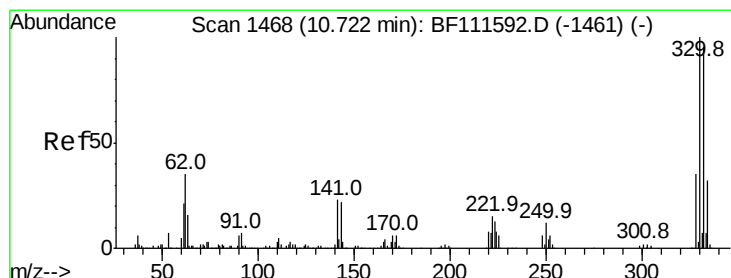
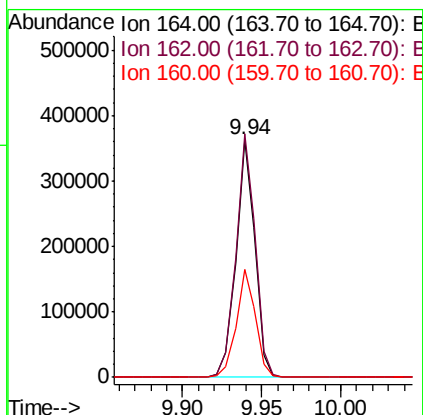
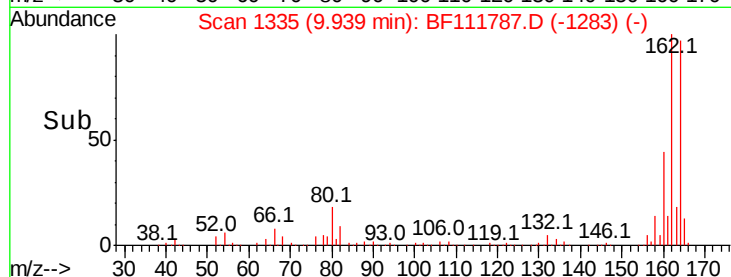
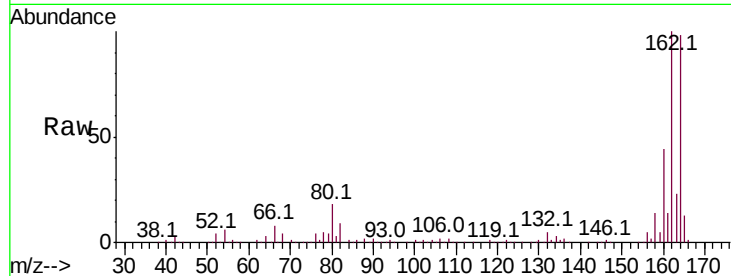




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. 0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

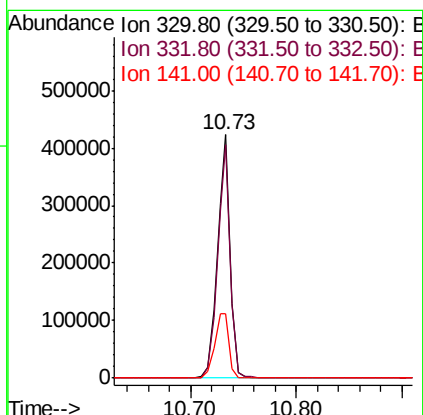
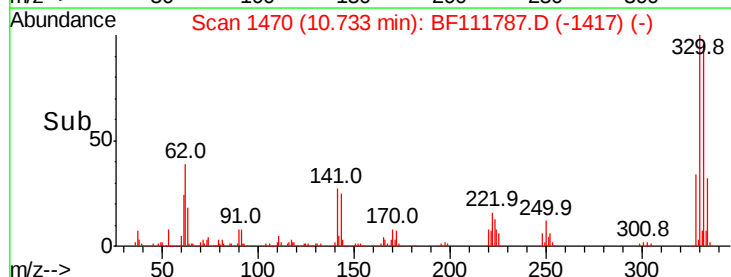
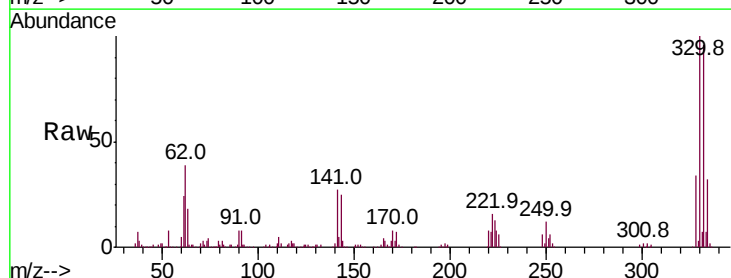
Instrument :  
BNA\_F  
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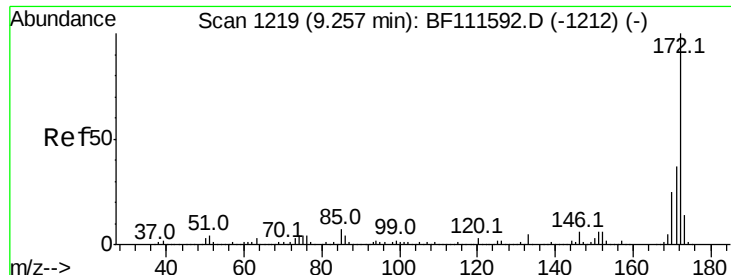
Tot Ion:164 Resp: 299825  
Ion Ratio Lower Upper  
164 100  
162 102.4 81.4 122.0  
160 45.4 35.7 53.5



#42  
2,4,6-Tribromophenol  
Concen: 101.208 ng  
RT: 10.73 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

Tgt Ion:330 Resp: 358544  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.0 114.0  
141 30.5 31.0 46.6#

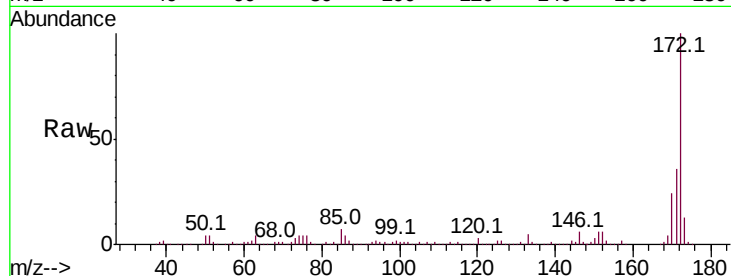




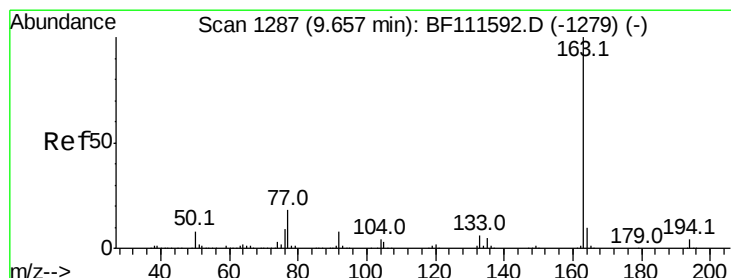
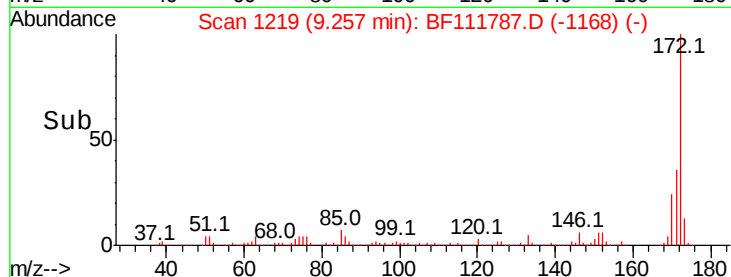
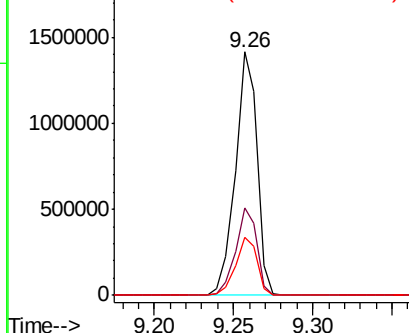
#45  
2-Fluorobiphenyl  
Concen: 65.027 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
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Tot Ion:172 Resp: 1337609  
Ion Ratio Lower Upper  
172 100  
171 35.7 33.0 49.4  
170 23.9 22.3 33.5

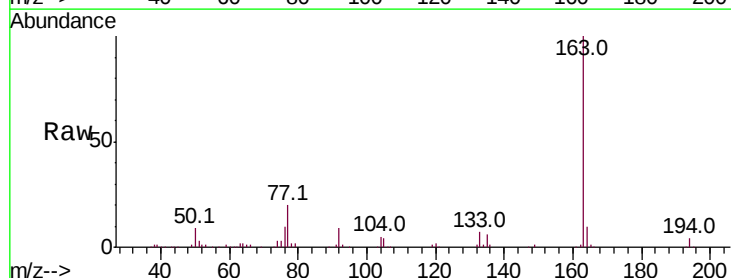


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

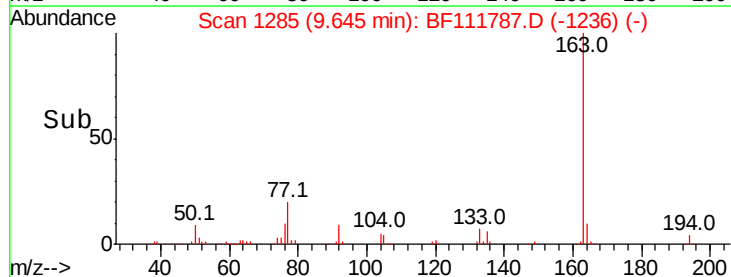
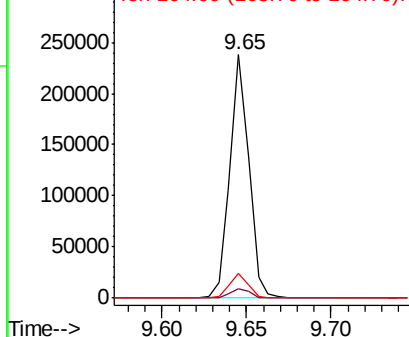


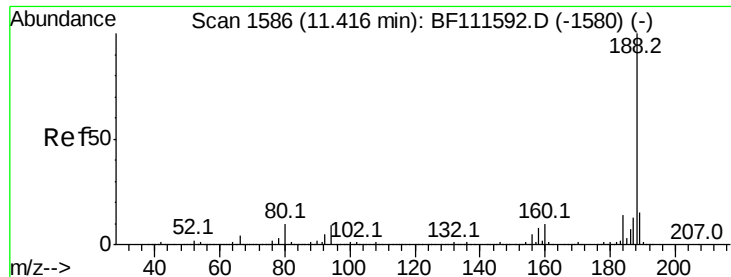
#50  
Dimethylphthalate  
Concen: 8.472 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BF111787.D  
Acq: 28 Dec 2018 14:36

Tgt Ion:163 Resp: 185746  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 10.2 8.9 13.3



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

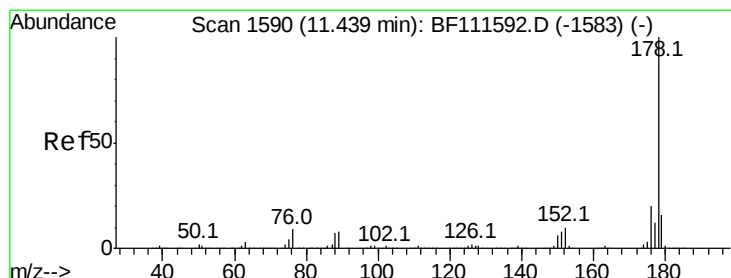
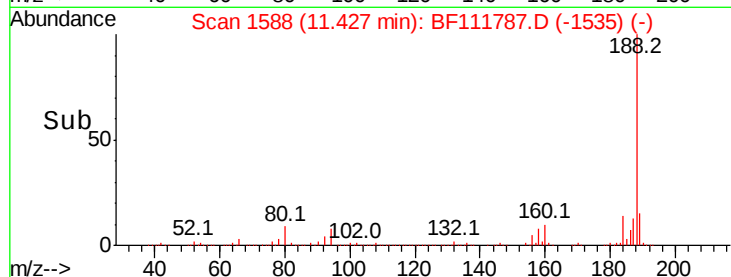
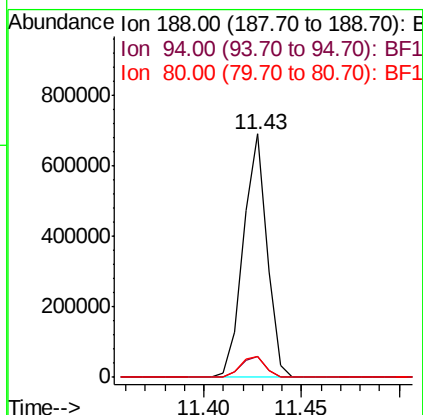
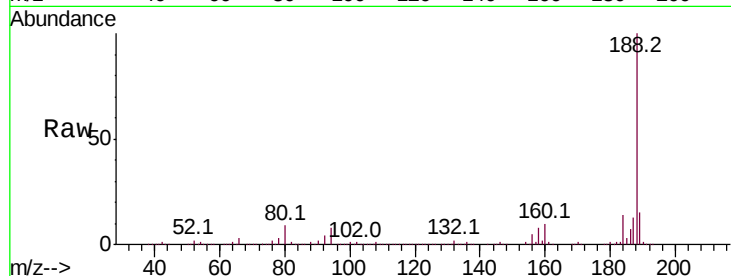




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. 0.01 min  
 Lab File: BF111787.D  
 Acq: 28 Dec 2018 14:36

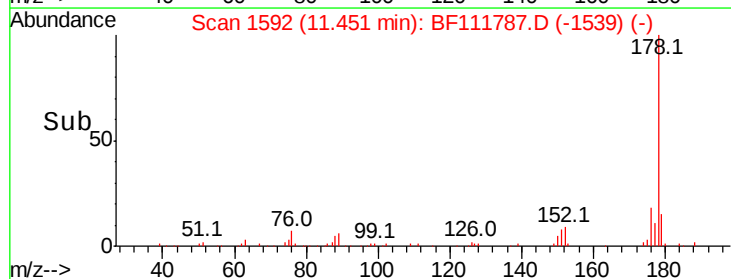
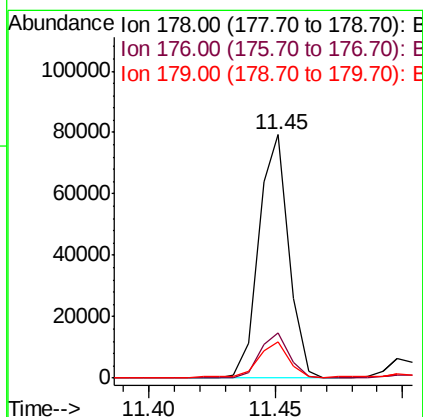
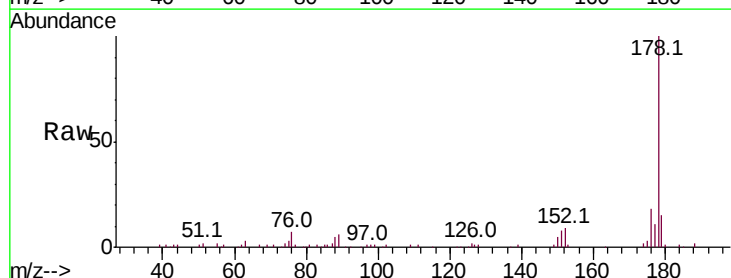
Instrument :  
 BNA\_F  
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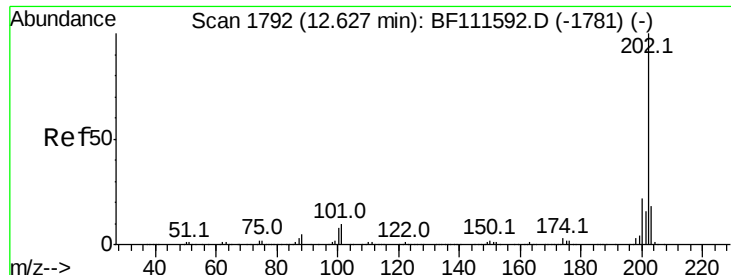
Tot Ion:188 Resp: 579913  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 9.6 14.4#  
 80 8.6 9.8 14.6#



#71  
 Phenanthrene  
 Concen: 2.114 ng  
 RT: 11.45 min Scan# 1592  
 Delta R.T. 0.01 min  
 Lab File: BF111787.D  
 Acq: 28 Dec 2018 14:36

Tgt Ion:178 Resp: 65031  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 18.1 27.1  
 179 14.7 14.0 21.0





#75

Fluoranthene

Concen: 2.854 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

Instrument :

BNA\_F

ClientSampleId :

TN-122618-C

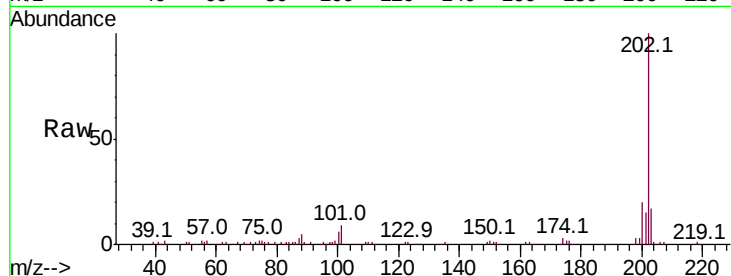
Tot Ion:202 Resp: 88882

Ion Ratio Lower Upper

202 100

101 9.2 0.0 33.8

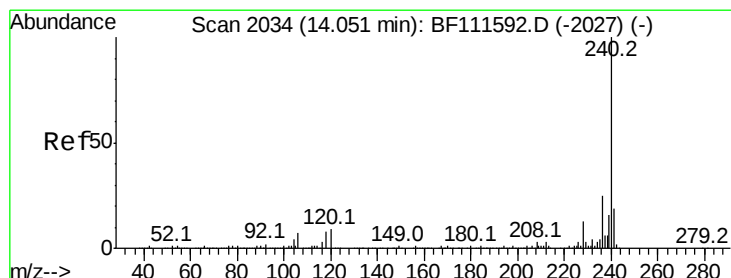
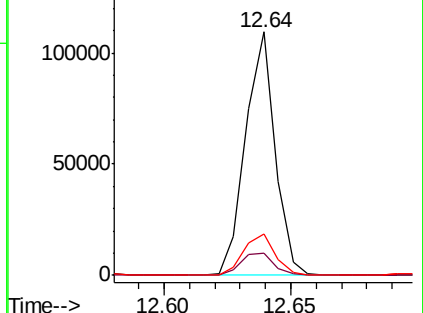
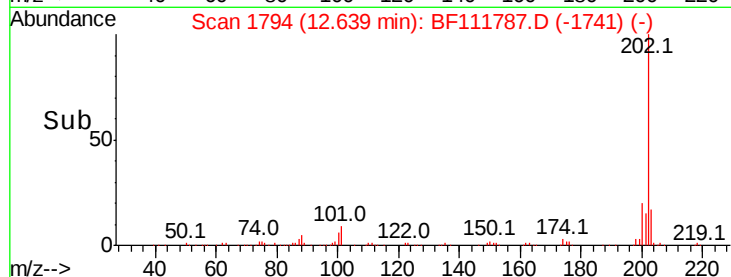
203 16.9 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

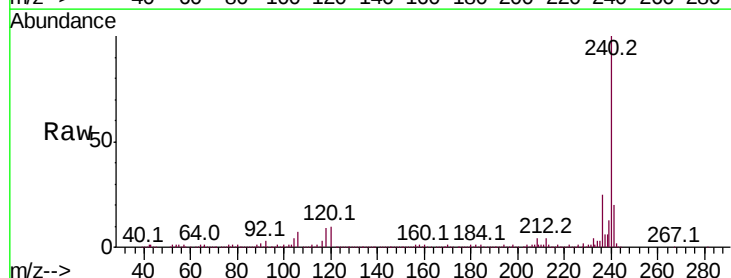
Tgt Ion:240 Resp: 415522

Ion Ratio Lower Upper

240 100

120 10.1 12.2 18.2#

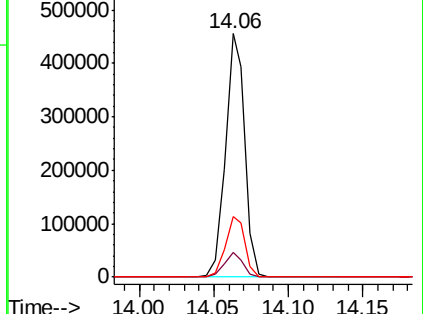
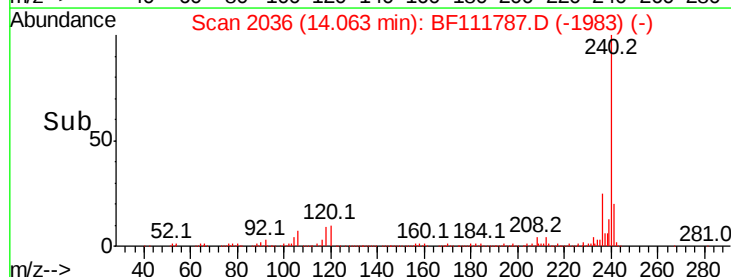
236 25.0 20.2 30.2

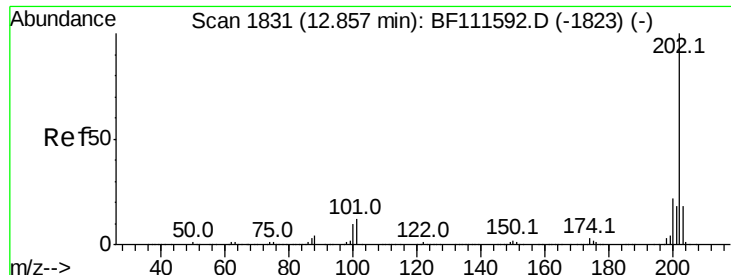


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.987 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

Instrument :

BNA\_F

ClientSampleId :

TN-122618-C

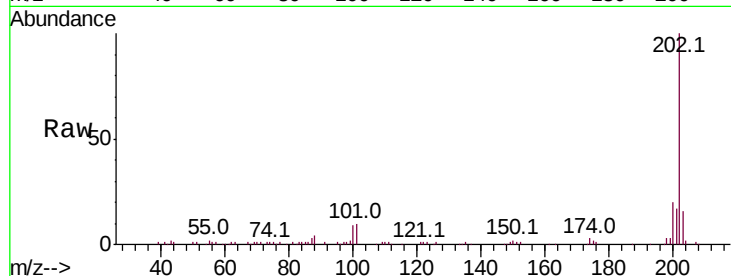
Tot Ion:202 Resp: 87649

Ion Ratio Lower Upper

202 100

200 19.9 19.0 28.4

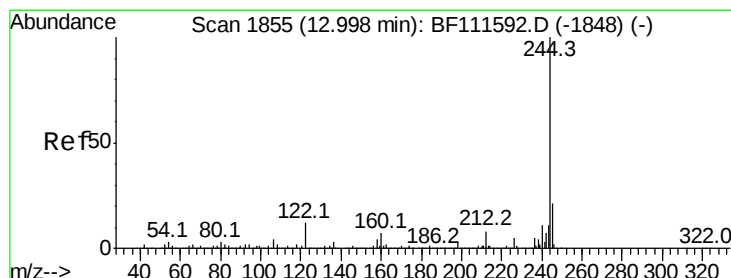
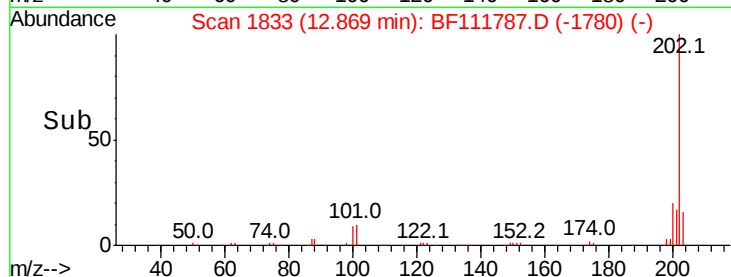
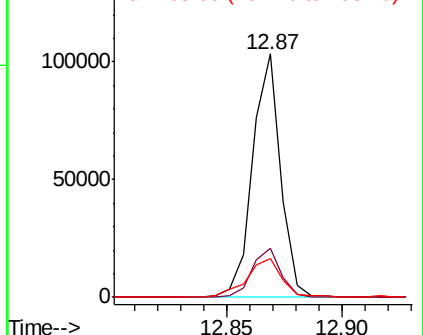
203 16.2 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 65.508 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111787.D

Acq: 28 Dec 2018 14:36

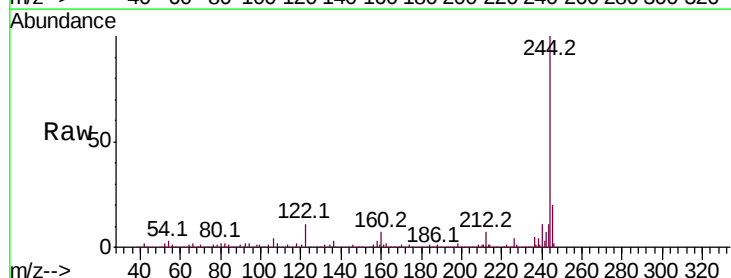
Tgt Ion:244 Resp: 1435343

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

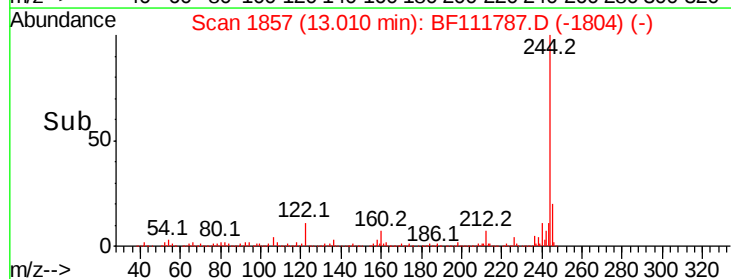
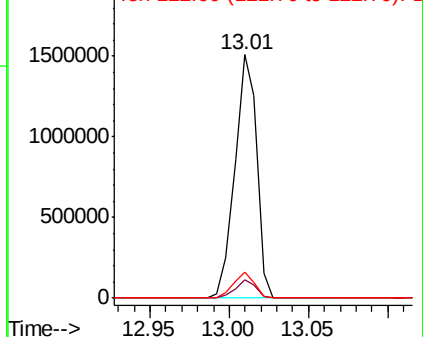
122 10.8 13.1 19.7#

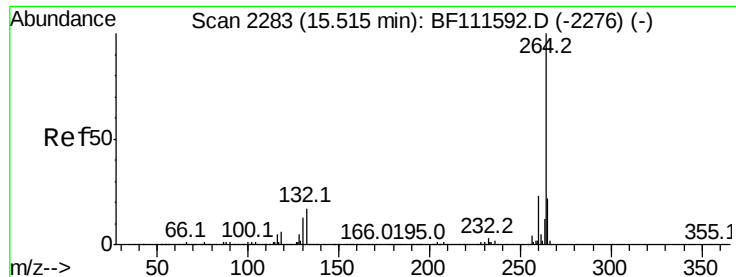


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.55 min Scan# 2289  
 Delta R.T. 0.04 min  
 Lab File: BF111787.D  
 Acq: 28 Dec 2018 14:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TN-122618-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.3  | 27.5  |
| 265     | 21.5  | 17.7  | 26.5  |

