

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\  
 Data File : BF111520.D  
 Acq On : 16 Dec 2018 20:47  
 Operator : JU/SJ  
 Sample : J6340-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02A

Quant Time: Dec 17 07:46:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

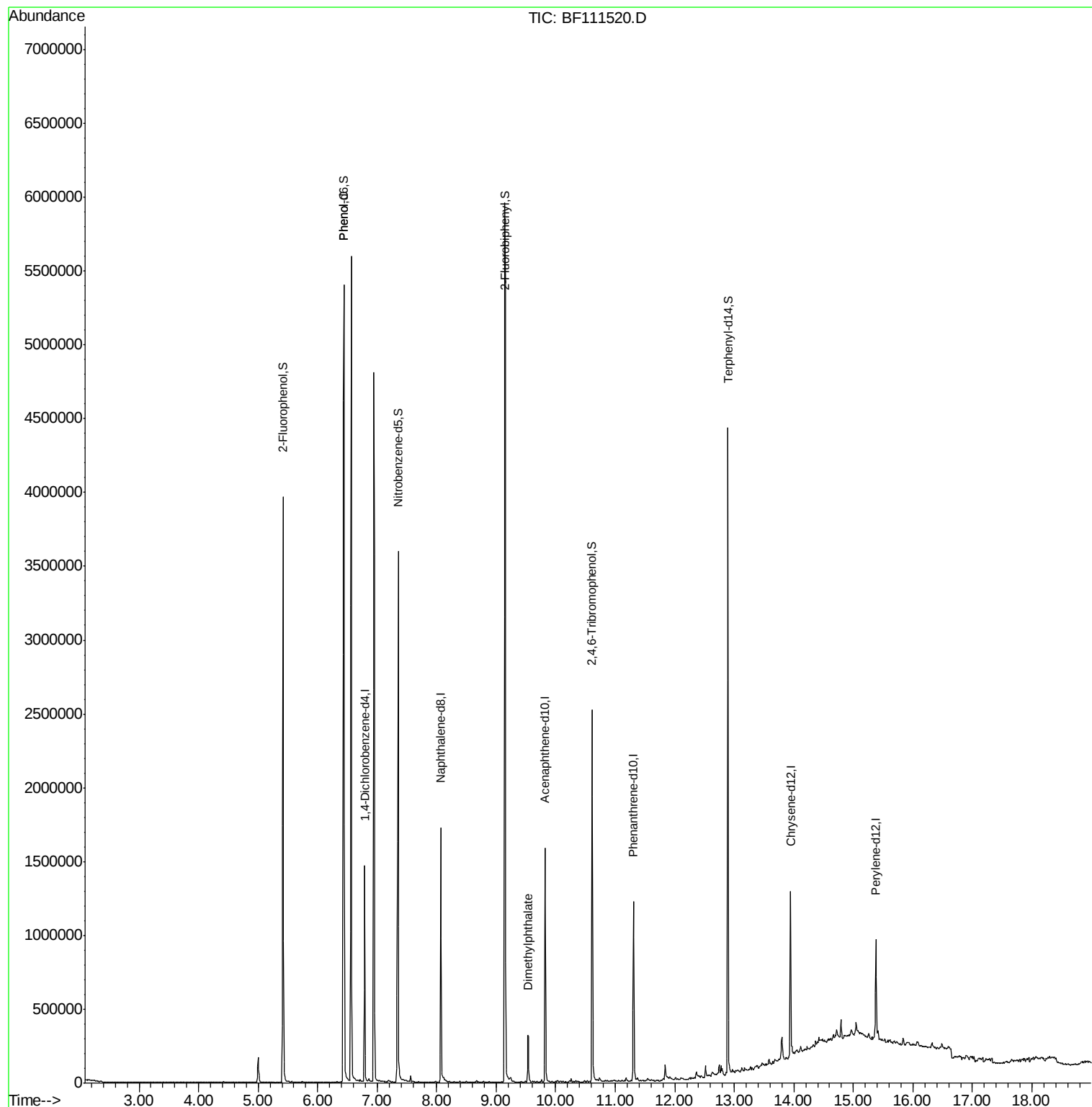
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 200822   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 782566   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.82  | 164  | 325202   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.30 | 188  | 451806   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.95 | 240  | 409787   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.38 | 264  | 311089   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1114263  | 92.33  | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 2018325  | 125.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 1236024  | 94.05  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 286363   | 98.30  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 2089759  | 99.26  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.89 | 244  | 1451972  | 83.20  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.45  | 94   | 124661   | 6.971  | ng    | 96       |
| 50) Dimethylphthalate       | 9.54  | 163  | 143551   | 6.129  | ng    | 98       |

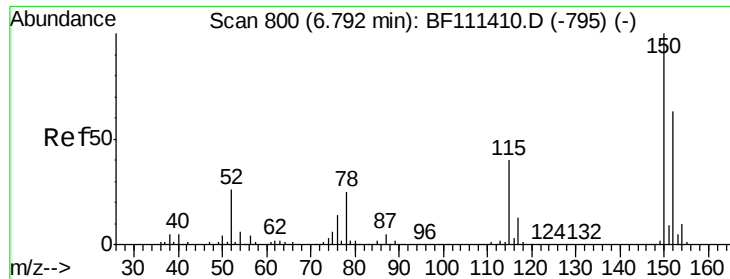
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\  
Data File : BF111520.D  
Acq On : 16 Dec 2018 20:47  
Operator : JU/SJ  
Sample : J6340-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02A

Quant Time: Dec 17 07:46:00 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 14 13:26:17 2018  
Response via : Initial Calibration



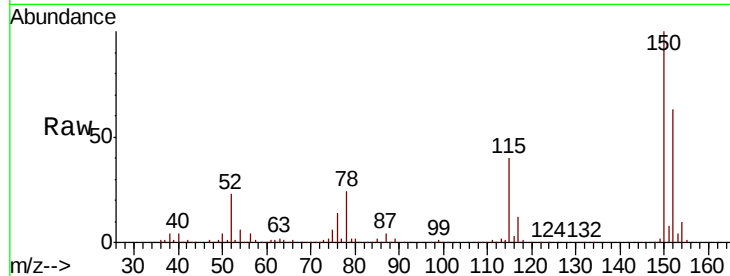


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BF111520.D  
 Acq: 16 Dec 2018 20:47

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-02A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 126.6 | 189.8 |
| 115     | 63.0  | 50.7  | 76.1  |

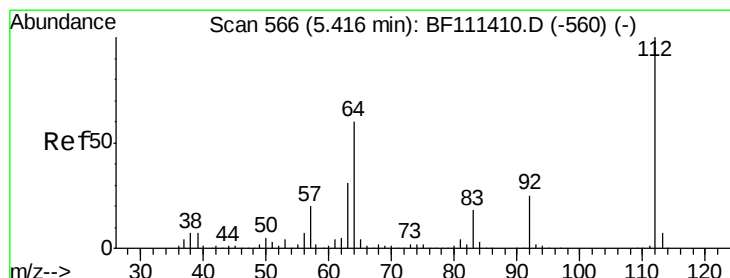
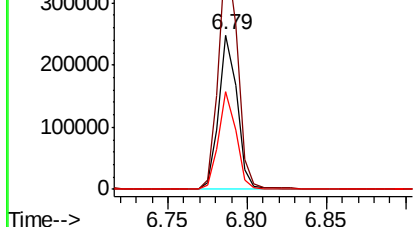
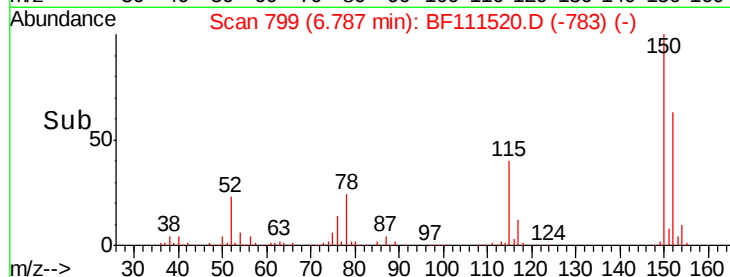


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

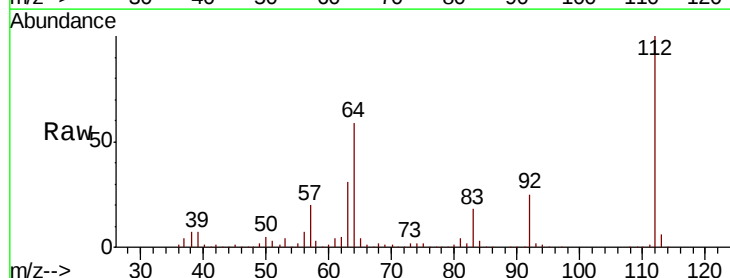
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 92.331 ng  
 RT: 5.42 min Scan# 567  
 Delta R.T. 0.01 min  
 Lab File: BF111520.D  
 Acq: 16 Dec 2018 20:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.6  | 51.8  | 77.6  |
| 63      | 31.2  | 26.8  | 40.2  |

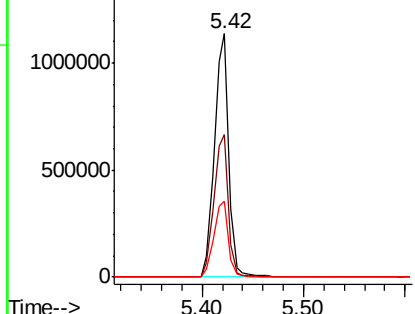
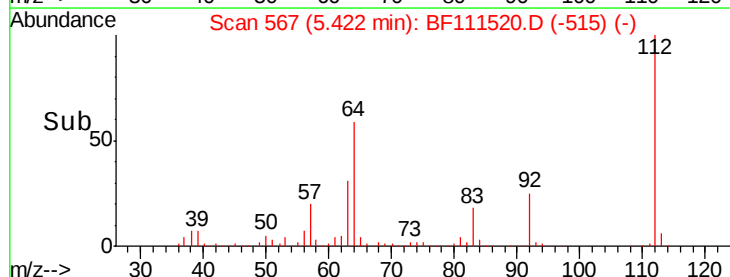


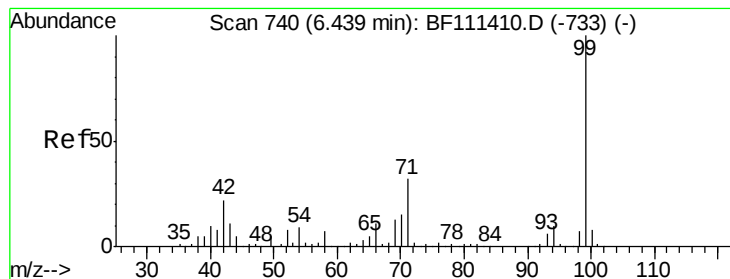
Abundance

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: 125.730 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

Instrument :

BNA\_F

ClientSampleId :

SB-02A

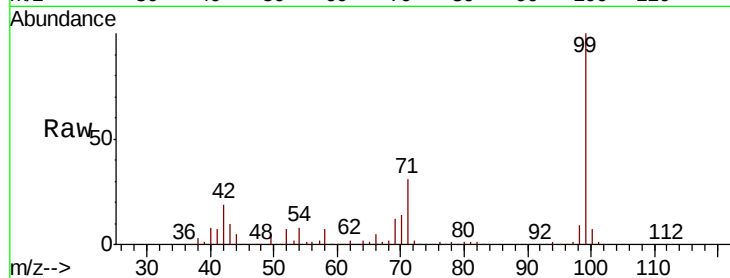
Tot Ion: 99 Resp: 2018325

Ion Ratio Lower Upper

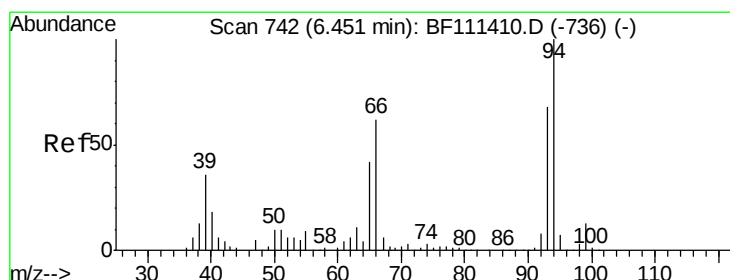
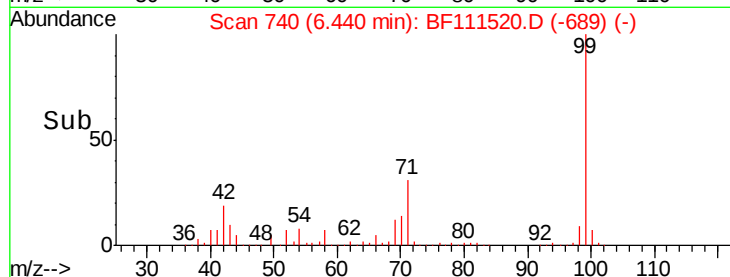
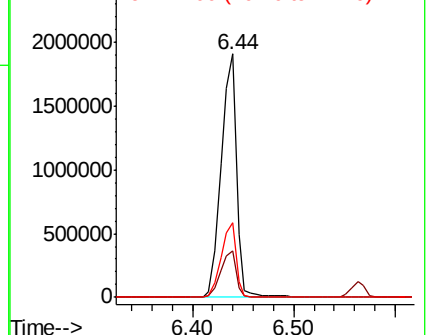
99 100

42 19.4 17.4 26.0

71 30.5 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: 6.971 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

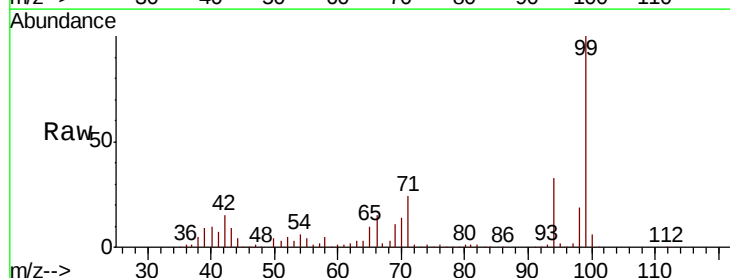
Tgt Ion: 94 Resp: 124661

Ion Ratio Lower Upper

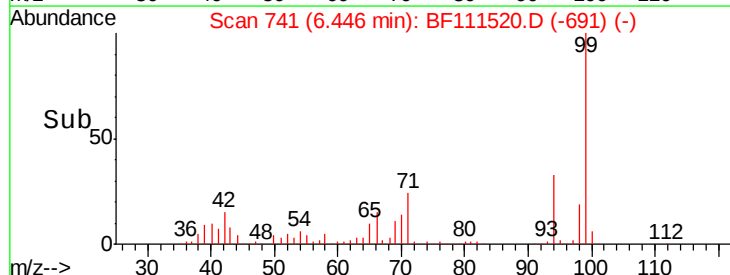
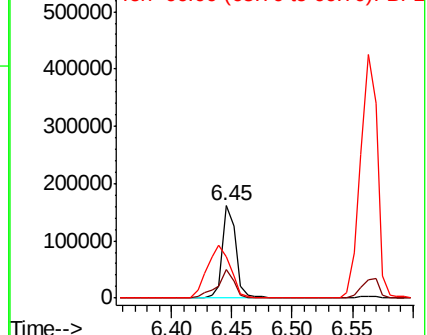
94 100

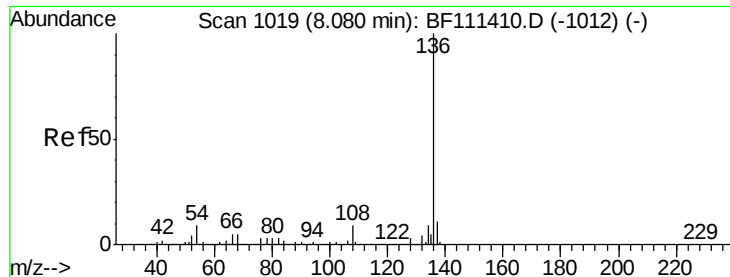
65 30.6 11.7 51.7

66 44.9 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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

Instrument :

BNA\_F

ClientSampleId :

SB-02A

Tot Ion:136 Resp: 782566

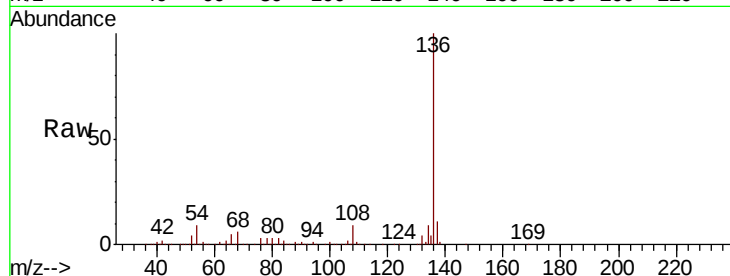
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.9 7.7 11.5

68 5.8 4.9 7.3

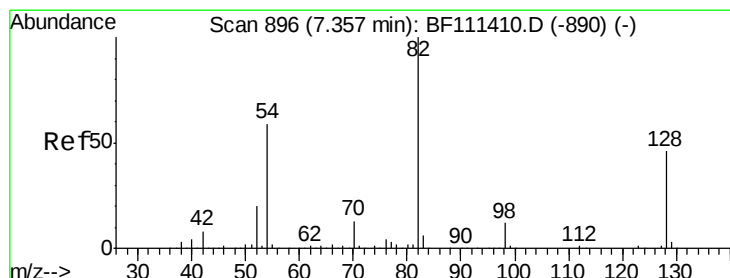
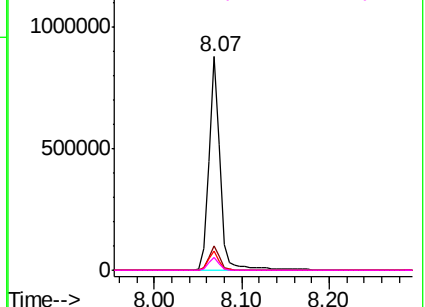
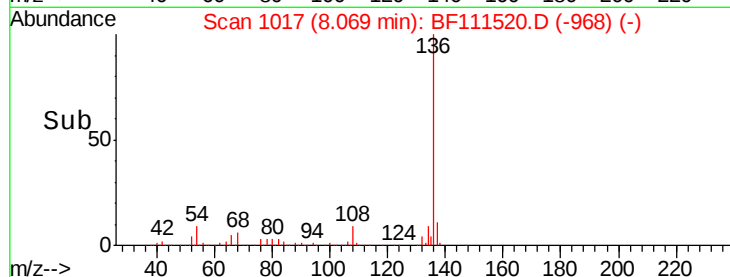


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.054 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

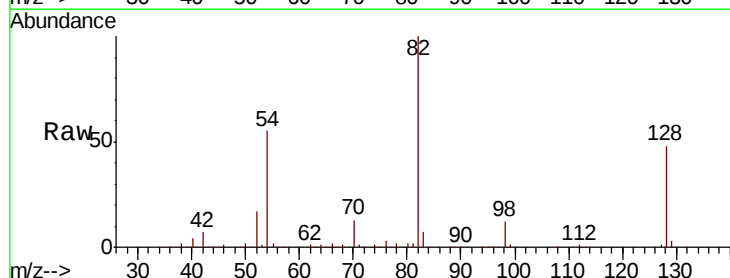
Tgt Ion: 82 Resp: 1236024

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

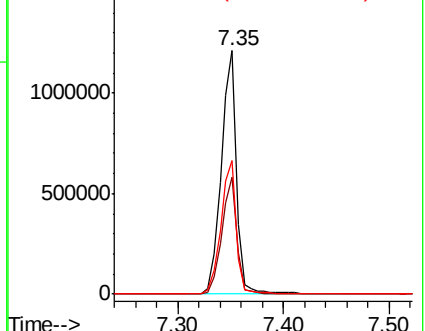
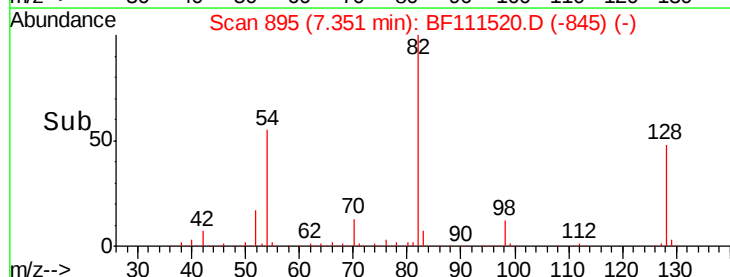
54 55.1 47.6 71.4

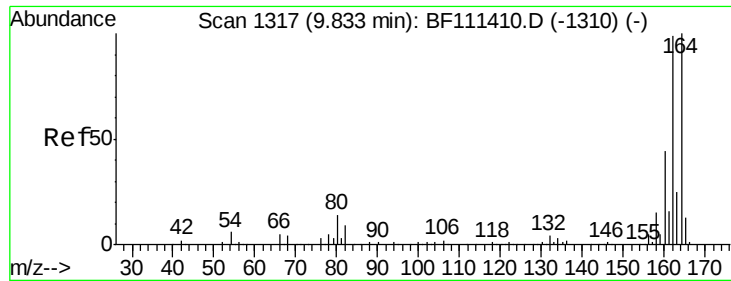


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

Instrument :

BNA\_F

ClientSampleId :

SB-02A

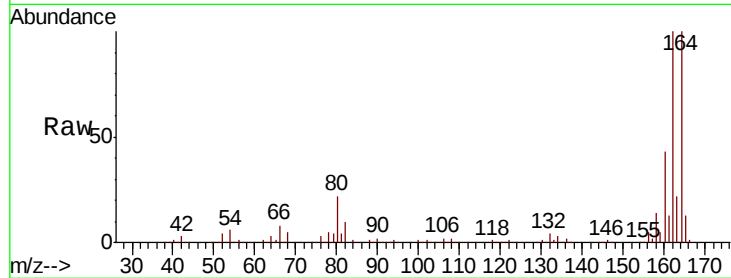
Tot Ion:164 Resp: 325202

Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.0

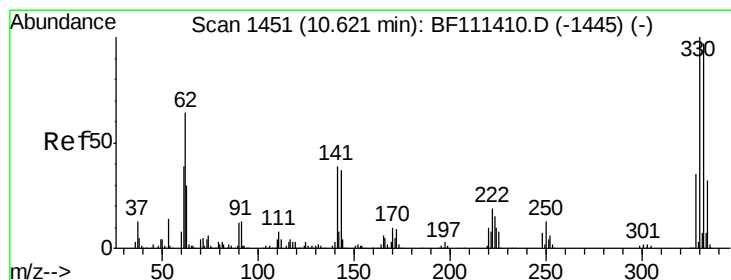
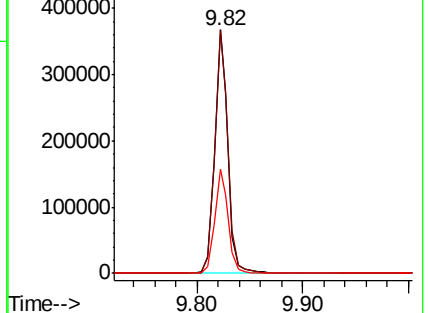
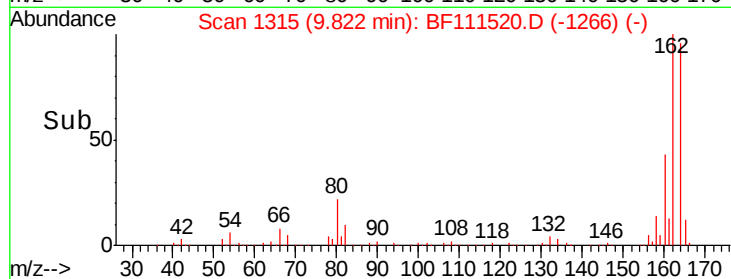
160 42.9 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 98.301 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

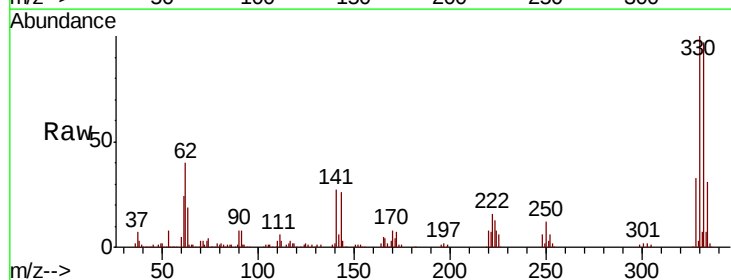
Tgt Ion:330 Resp: 286363

Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

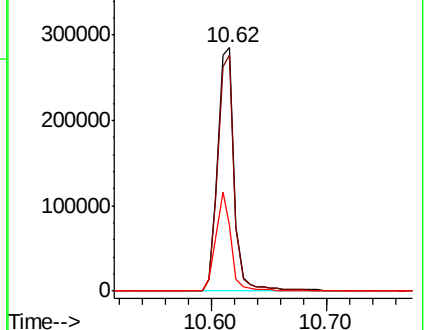
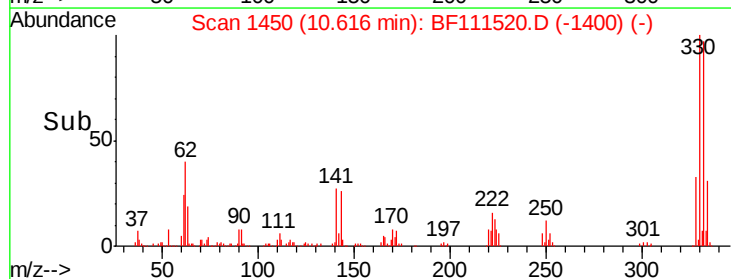
141 36.7 31.0 46.6

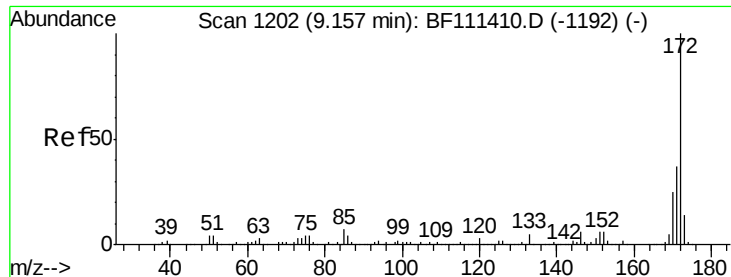


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

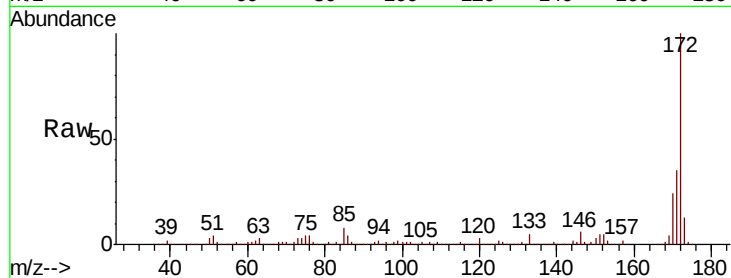




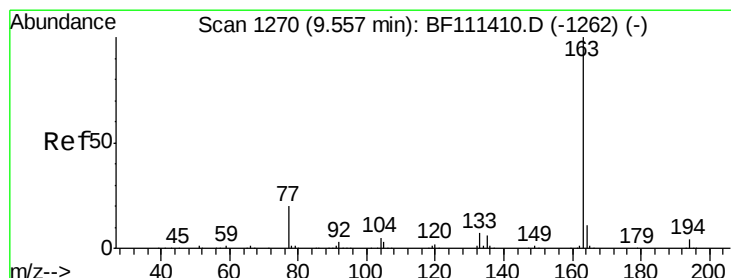
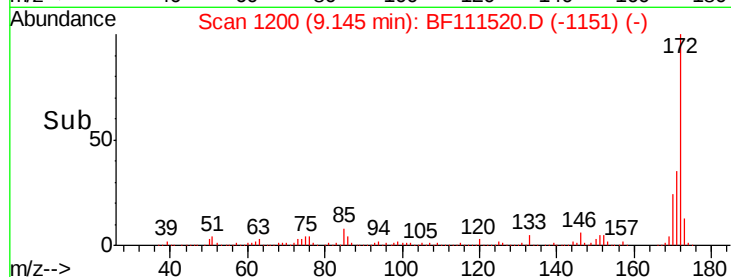
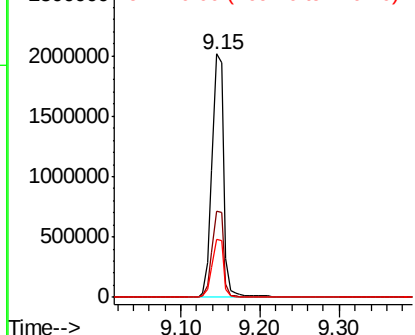
#45  
2-Fluorobiphenyl  
Concen: 99.259 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. -0.01 min  
Lab File: BF111520.D  
Acq: 16 Dec 2018 20:47

Instrument :  
BNA\_F  
ClientSampled :  
SB-02A

Tot Ion:172 Resp: 2089759  
Ion Ratio Lower Upper  
172 100  
171 35.3 33.0 49.4  
170 23.9 22.3 33.5

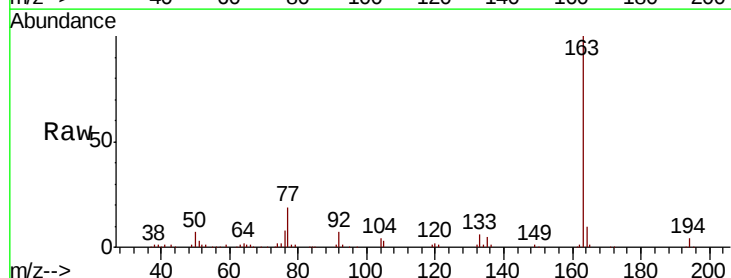


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

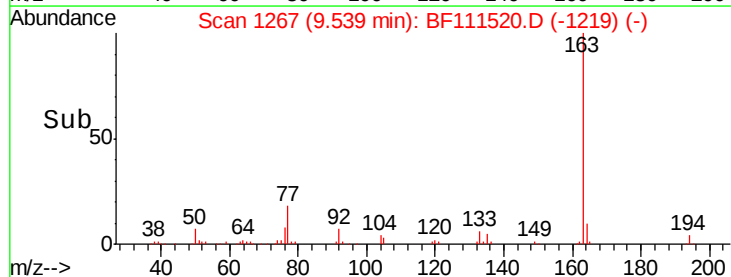
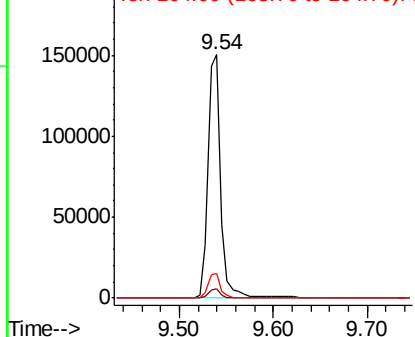


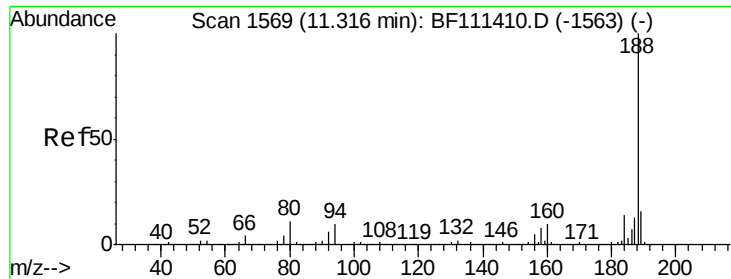
#50  
Dimethylphthalate  
Concen: 6.129 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.02 min  
Lab File: BF111520.D  
Acq: 16 Dec 2018 20:47

Tgt Ion:163 Resp: 143551  
Ion Ratio Lower Upper  
163 100  
194 3.9 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

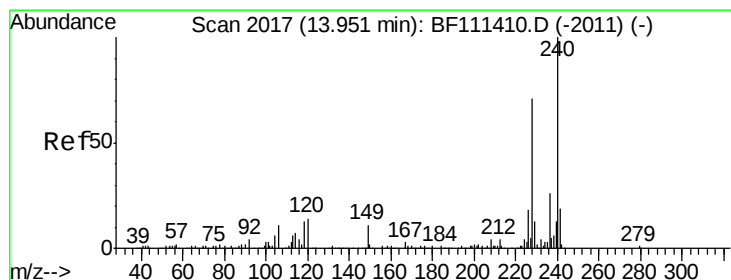
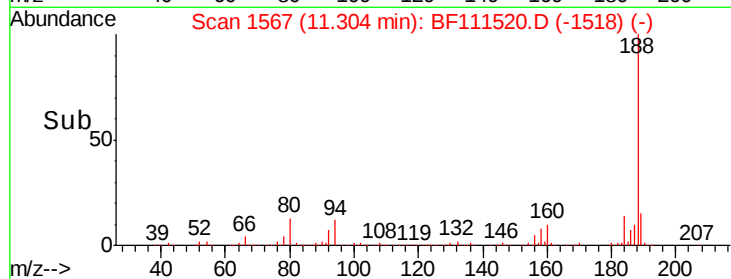
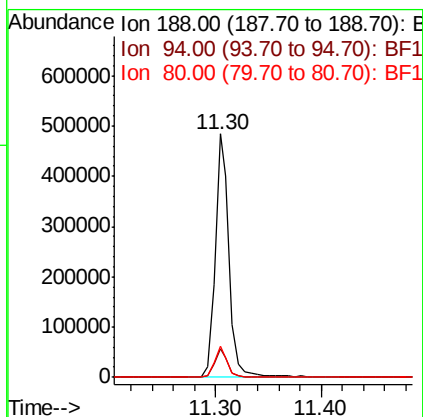
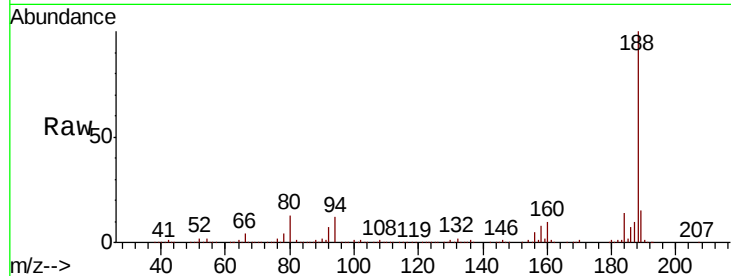




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BF111520.D  
Acq: 16 Dec 2018 20:47

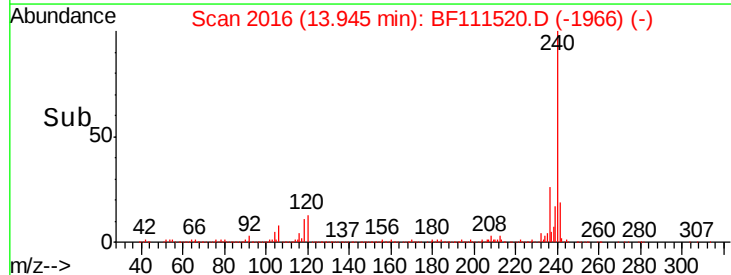
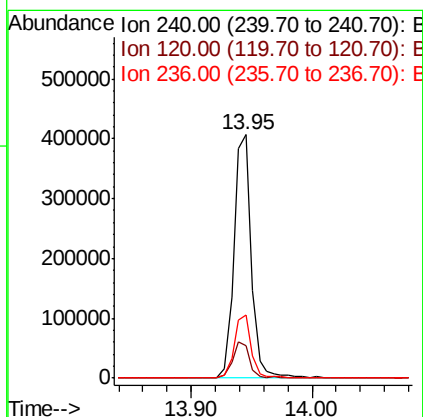
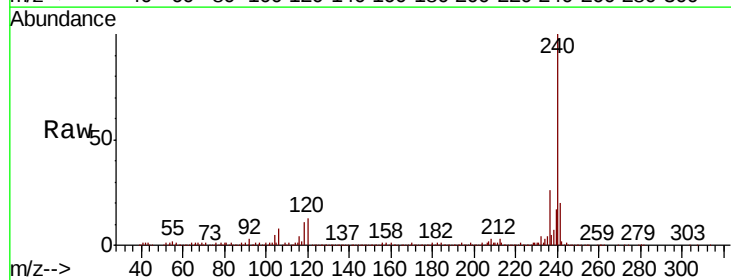
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02A

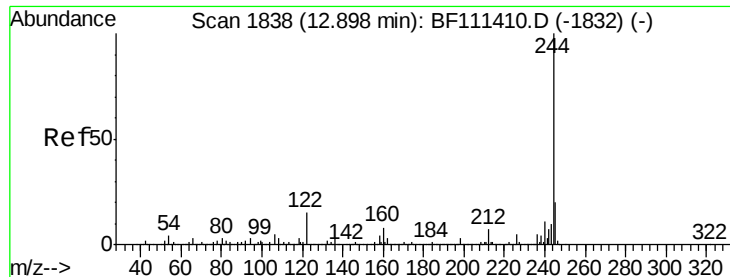
Tot Ion:188 Resp: 451806  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.6 14.4  
80 12.6 9.8 14.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BF111520.D  
Acq: 16 Dec 2018 20:47

Tgt Ion:240 Resp: 409787  
Ion Ratio Lower Upper  
240 100  
120 13.2 12.2 18.2  
236 25.8 20.2 30.2





#79

Terphenyl-d14

Concen: 83.204 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

Instrument :

BNA\_F

ClientSampleId :

SB-02A

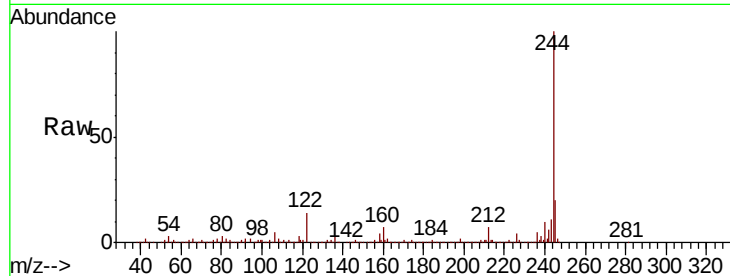
Tot Ion:244 Resp: 1451972

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

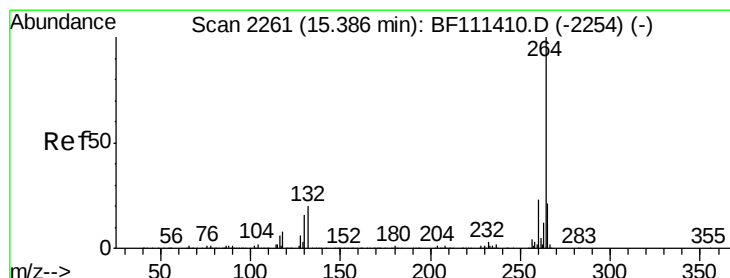
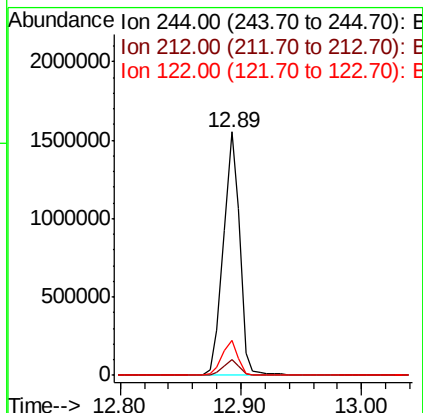
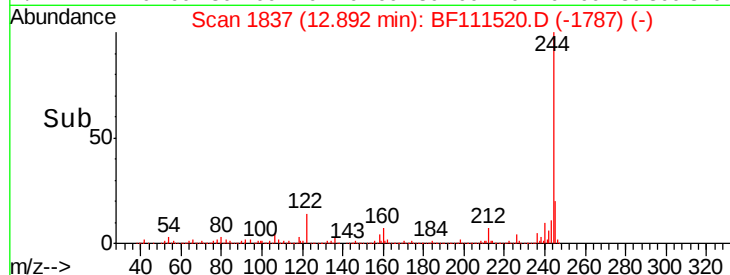
122 14.3 13.1 19.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF111520.D

Acq: 16 Dec 2018 20:47

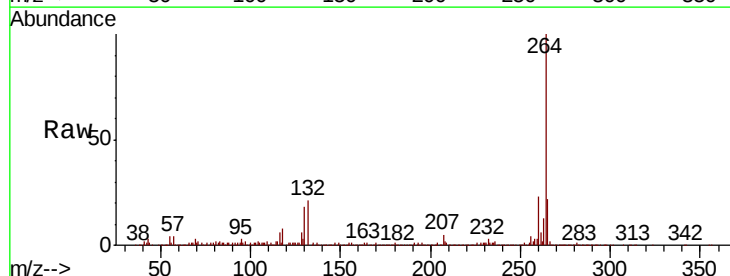
Tgt Ion:264 Resp: 311089

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.0 17.7 26.5



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

