

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\  
 Data File : BF111215.D  
 Acq On : 8 Dec 2018 4:45  
 Operator : JU/SJ  
 Sample : PB115402BL  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BL

Quant Time: Dec 08 05:42:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 402729   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 1545365  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.84  | 164  | 738449   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.32 | 188  | 991705   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.96 | 240  | 737206   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.39 | 264  | 531028   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 2005783  | 77.72 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 2620678  | 78.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 2156620  | 82.62 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 450241   | 76.70 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 3716647  | 94.83 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 2882942  | 80.09 | ng    | 0.00     |

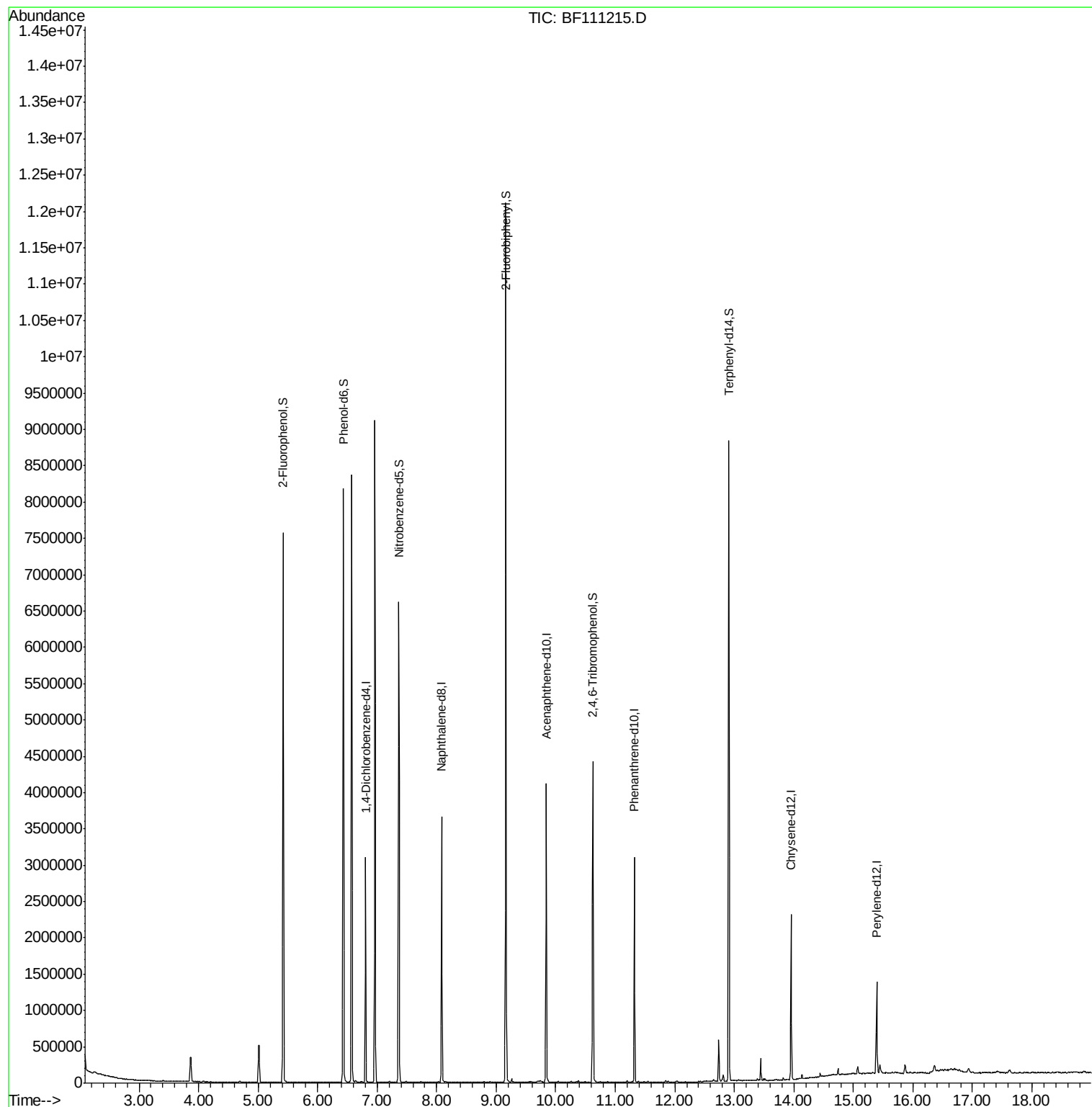
Target Compounds Qvalue

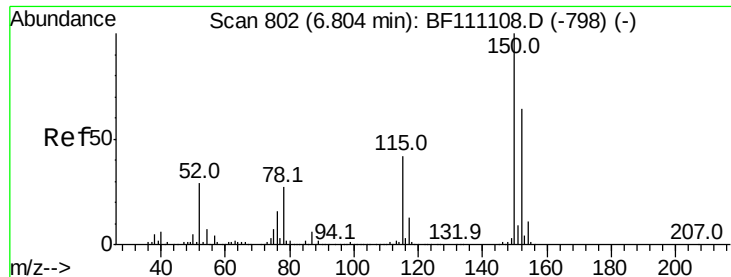
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PB115402BL

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QLast Update : Wed Dec 05 17:30:55 2018  
Response via : Initial Calibration



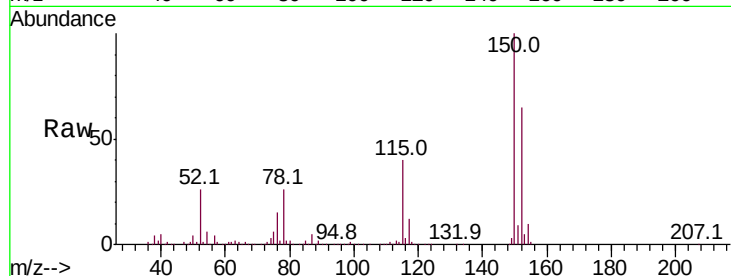


#1

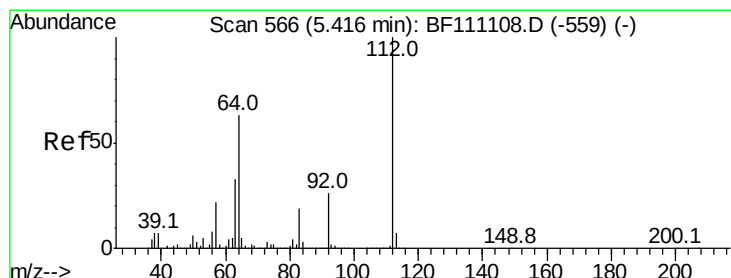
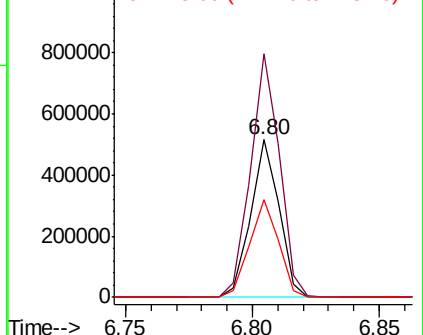
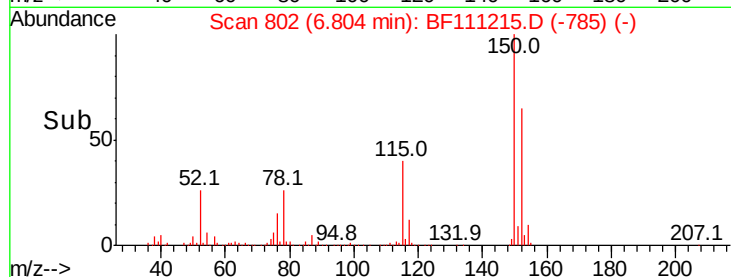
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BL

Tot Ion:152 Resp: 402729  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.6 187.0  
115 62.5 52.2 78.2



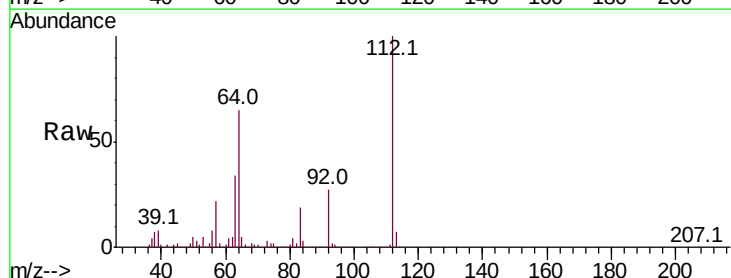
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



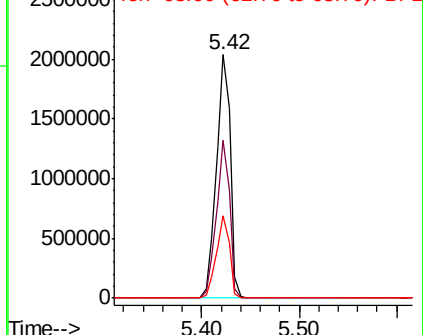
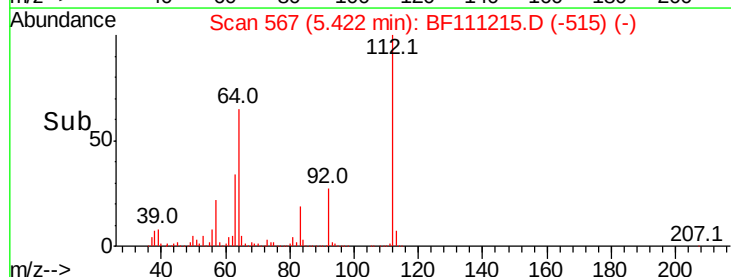
#5

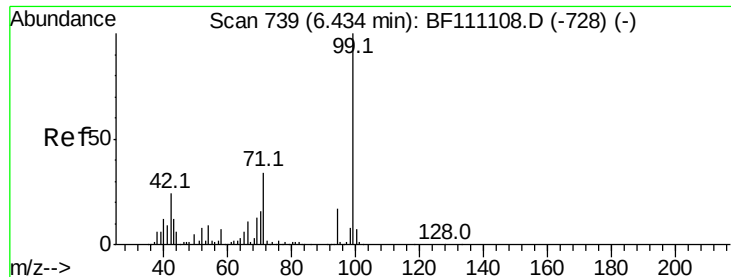
2-Fluorophenol  
Concen: 77.718 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

Tgt Ion:112 Resp: 2005783  
Ion Ratio Lower Upper  
112 100  
64 64.9 50.2 75.4  
63 33.7 26.6 39.8



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: 78.828 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

Instrument :

BNA\_F

ClientSampleId :

PB115402BL

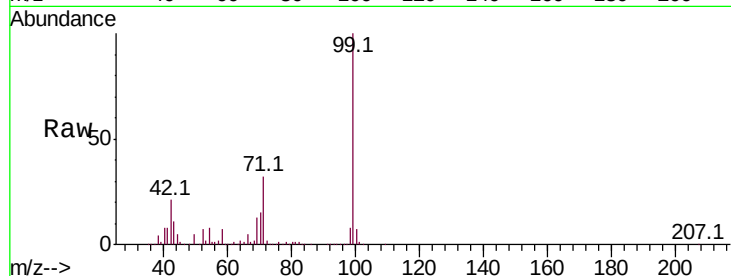
Tot Ion: 99 Resp: 2620678

Ion Ratio Lower Upper

99 100

42 21.3 19.3 28.9

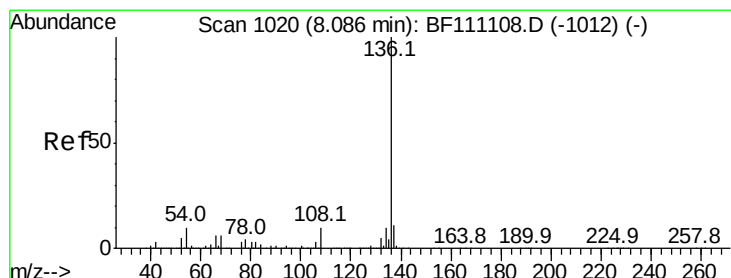
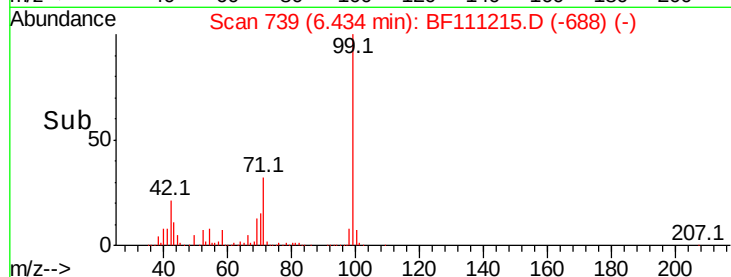
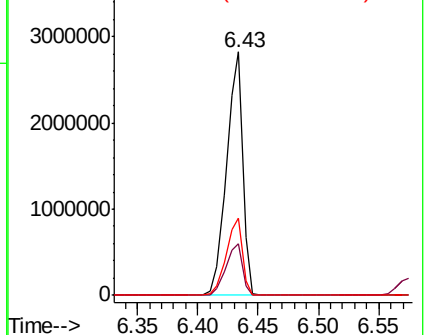
71 31.8 27.4 41.2



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: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

Tgt Ion: 136 Resp: 1545365

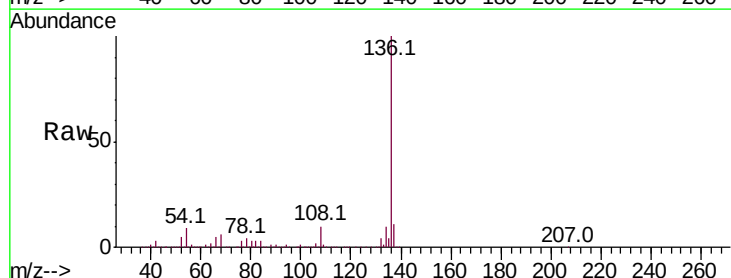
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.3 8.4 12.6

68 5.8 5.0 7.4

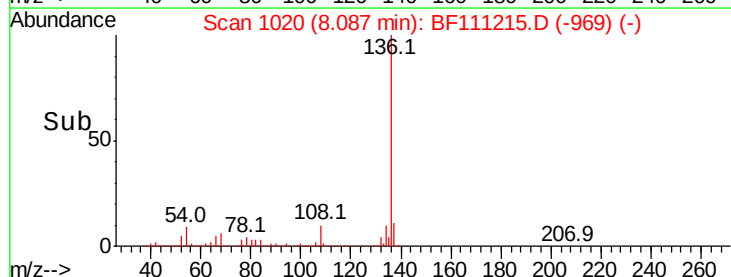
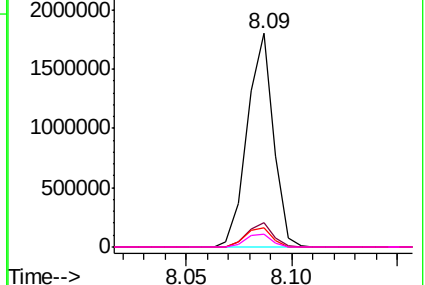


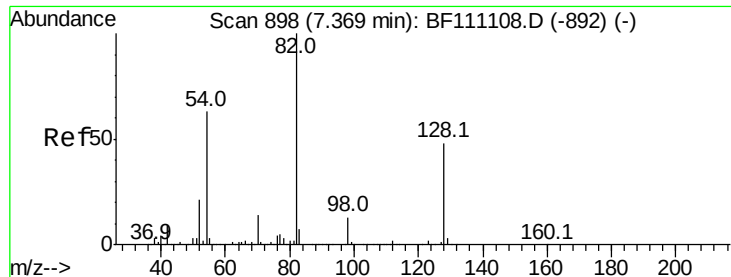
Abundance Ion 136.00 (135.70 to 136.70): E

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

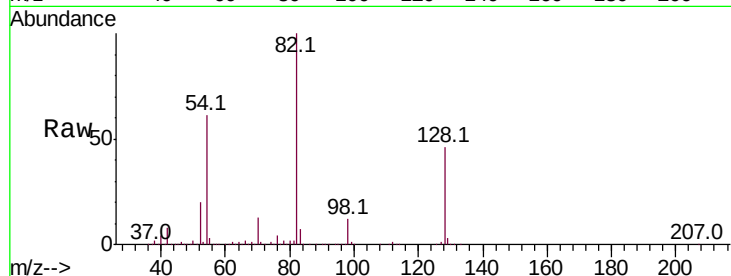




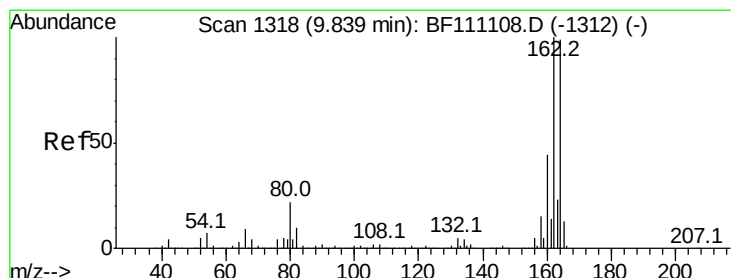
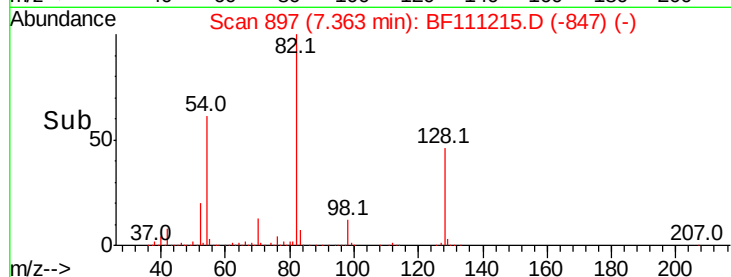
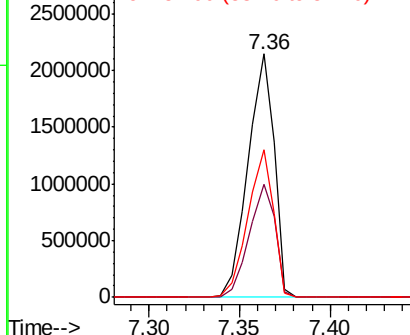
#23  
Nitrobenzene-d5  
Concen: 82.621 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BL

Tot Ion: 82 Resp: 2156620  
Ion Ratio Lower Upper  
82 100  
128 46.2 38.1 57.1  
54 60.7 50.3 75.5

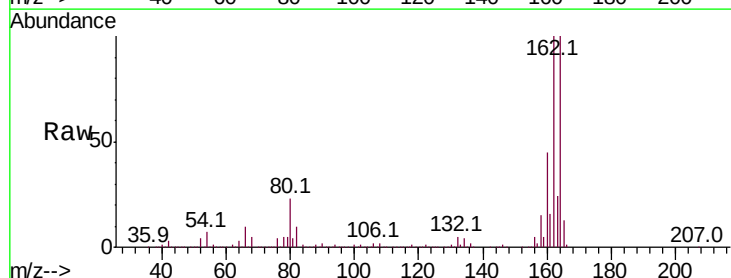


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

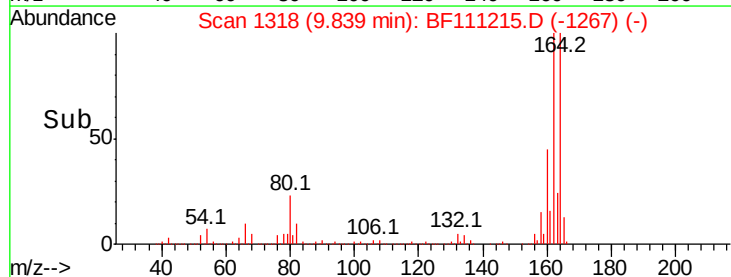
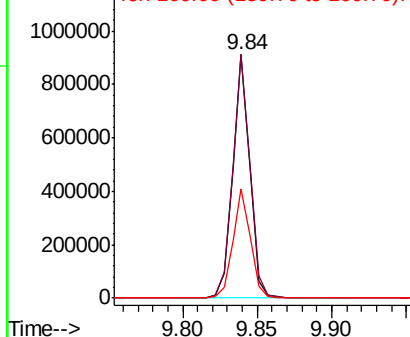


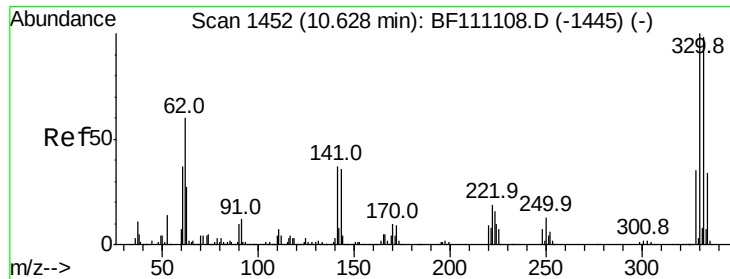
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

Tgt Ion:164 Resp: 738449  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.6 120.8  
160 44.9 35.5 53.3



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: 76.704 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

Instrument :

BNA\_F

ClientSampleId :

PB115402BL

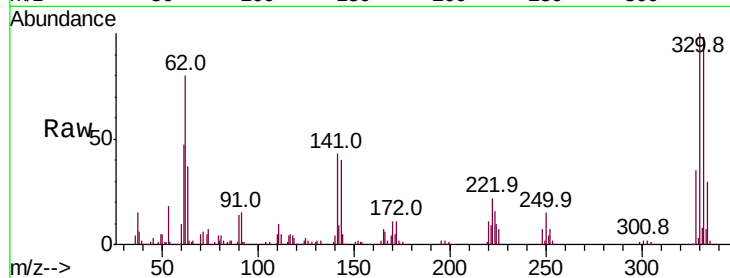
Tot Ion:330 Resp: 450241

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

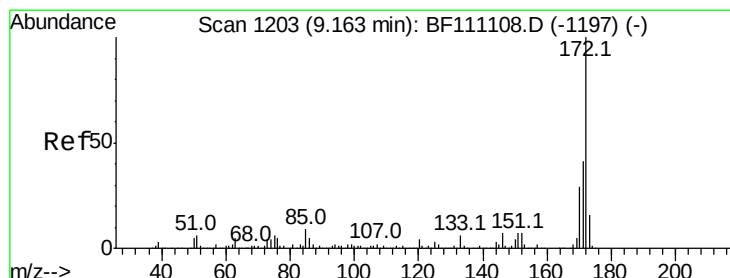
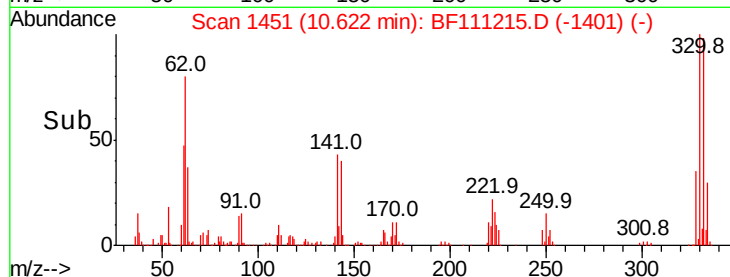
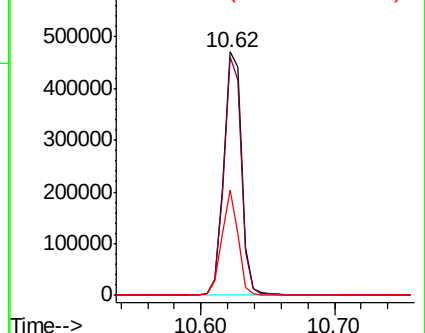
141 39.0 36.1 54.1



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: 94.827 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

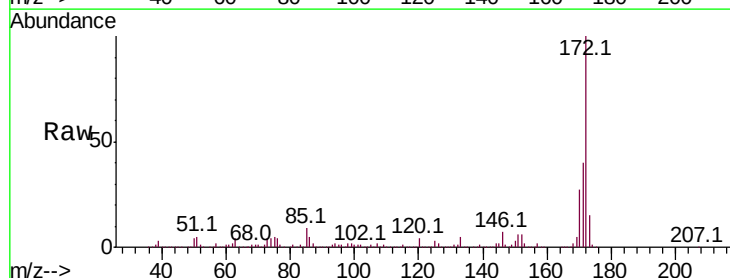
Tgt Ion:172 Resp: 3716647

Ion Ratio Lower Upper

172 100

171 40.1 33.2 49.8

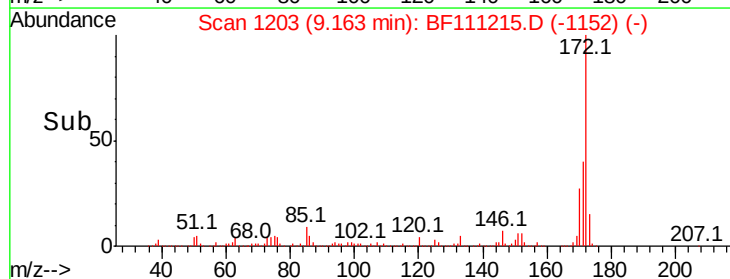
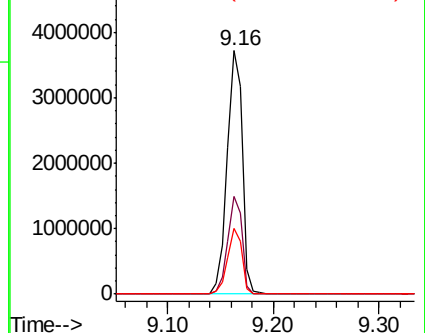
170 26.8 22.9 34.3

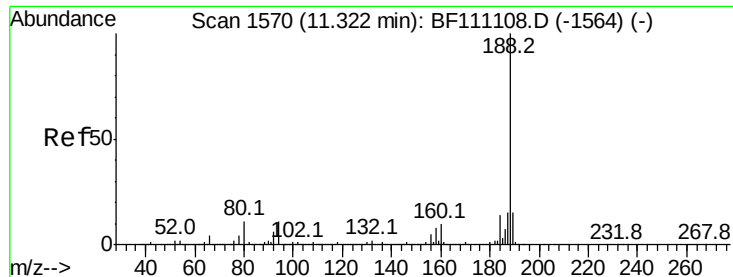


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

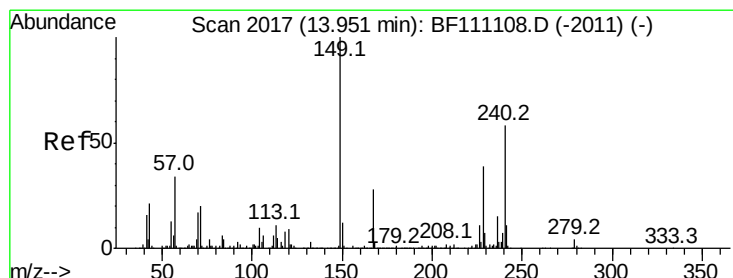
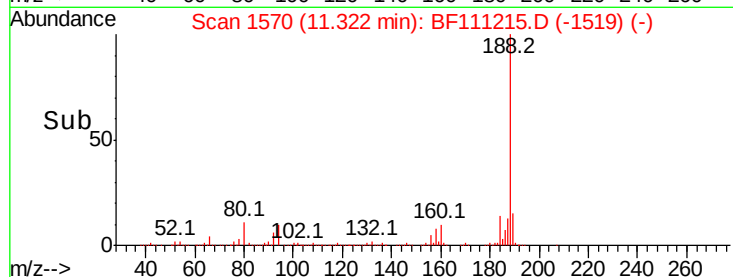
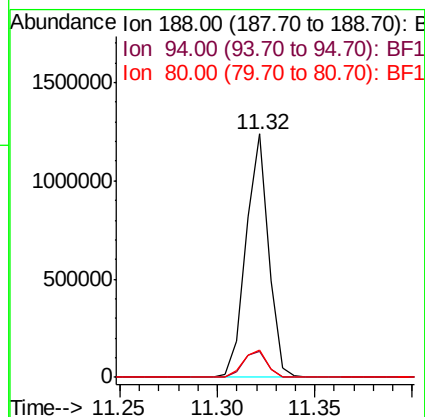
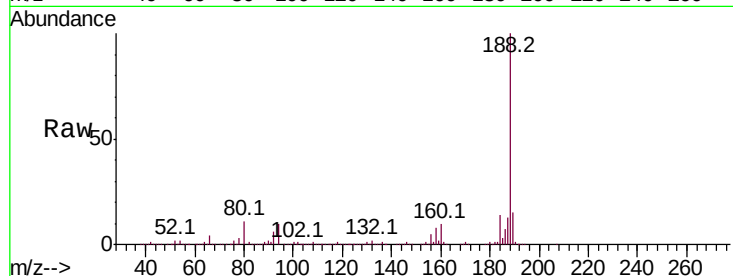




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

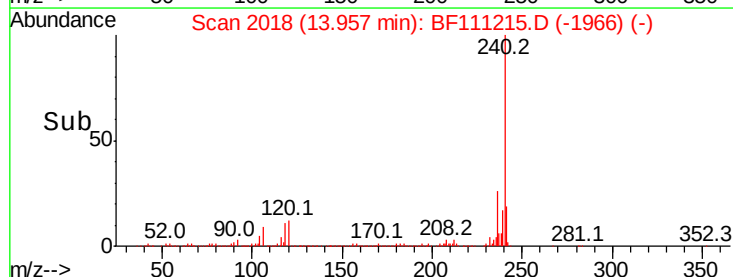
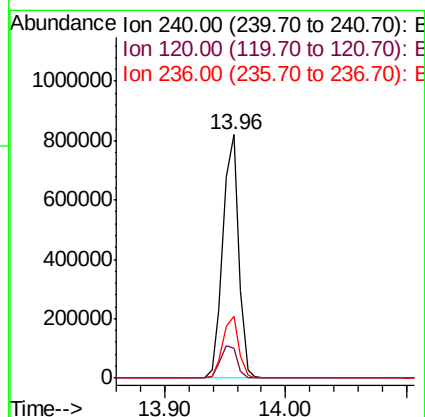
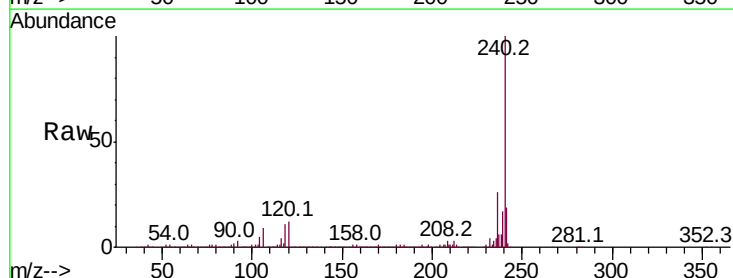
Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BL

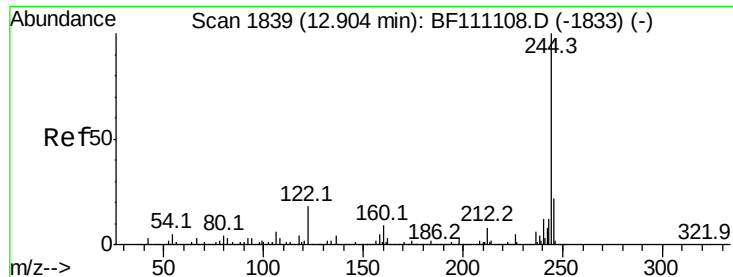
Tot Ion:188 Resp: 991705  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 11.4 9.0 13.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. 0.01 min  
Lab File: BF111215.D  
Acq: 8 Dec 2018 4:45

Tgt Ion:240 Resp: 737206  
Ion Ratio Lower Upper  
240 100  
120 12.3 12.8 19.2#  
236 25.6 21.1 31.7





#79

Terphenyl-d14

Concen: 80.089 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

Instrument :

BNA\_F

ClientSampleId :

PB115402BL

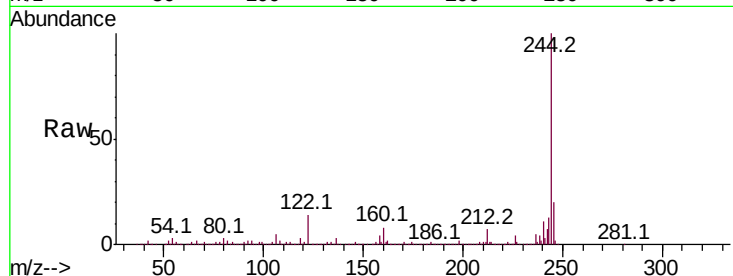
Tot Ion:244 Resp: 2882942

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 6.6   | 9.8   |
| 122 | 14.5  | 14.2  | 21.2  |

244 100

212 6.9 6.6 9.8

122 14.5 14.2 21.2

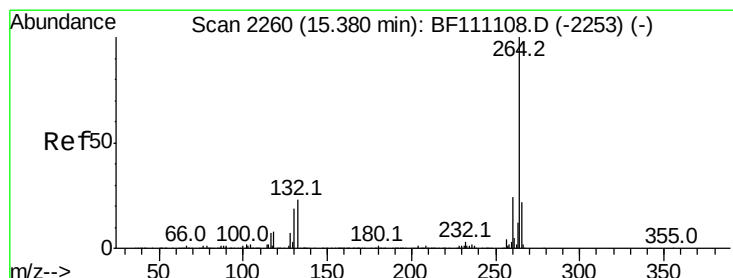
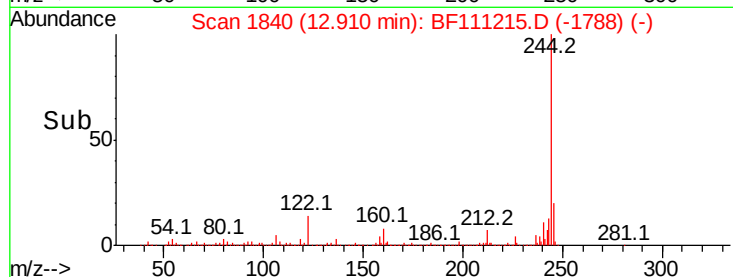
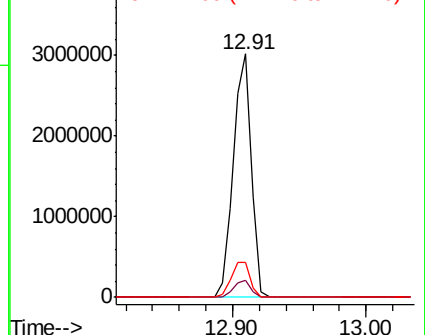


Abundance

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: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111215.D

Acq: 8 Dec 2018 4:45

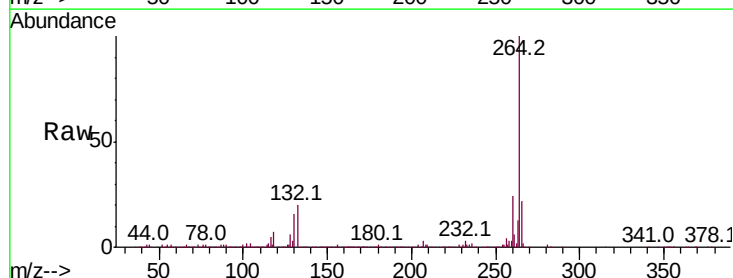
Tgt Ion:264 Resp: 531028

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.4  | 29.0  |
| 265 | 21.9  | 17.4  | 26.0  |

264 100

260 23.7 19.4 29.0

265 21.9 17.4 26.0



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

