

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\  
 Data File : BF100575.D  
 Acq On : 15 Nov 2017 7:53  
 Operator : SJ/JU  
 Sample : I6307-02  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-111017-A

Quant Time: Nov 15 11:16:56 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 14 14:17:16 2017  
 Response via : Initial Calibration

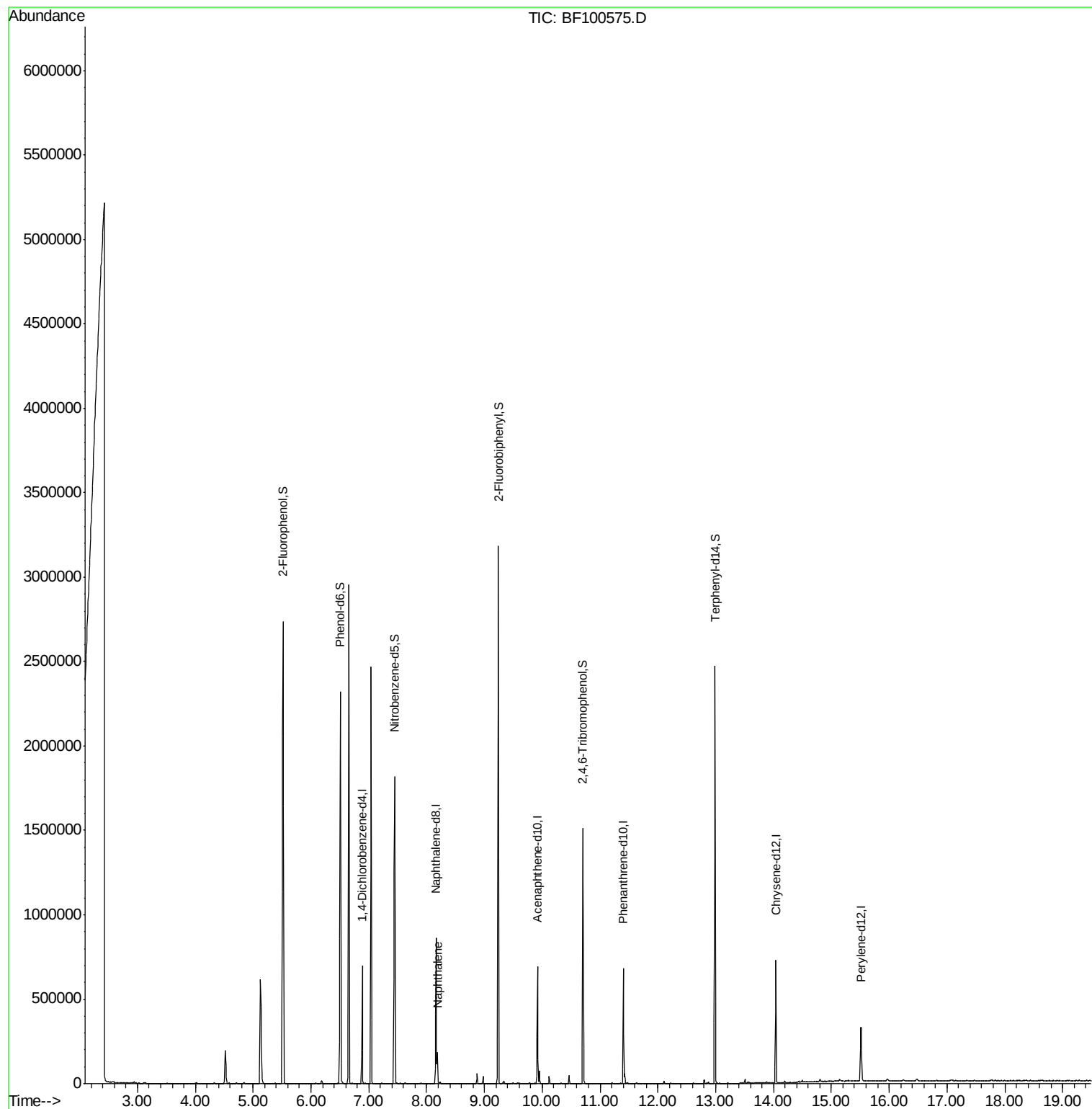
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 101665   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.16  | 136  | 364325   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.92  | 164  | 131938   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.40 | 188  | 222328   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 14.04 | 240  | 231772   | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 15.52 | 264  | 157242   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.52  | 112  | 833066   | 131.35 | ng    | 0.02          |
| 7) Phenol-d6                | 6.51  | 99   | 914727   | 116.96 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 651437   | 118.22 | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 193624   | 144.02 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1055684  | 121.84 | ng    | 0.00          |
| 78) Terphenyl-d14           | 12.99 | 244  | 891496   | 88.38  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 31) Naphthalene             | 8.19  | 128  | 71762    | 4.090  | ng    | Qvalue<br>100 |

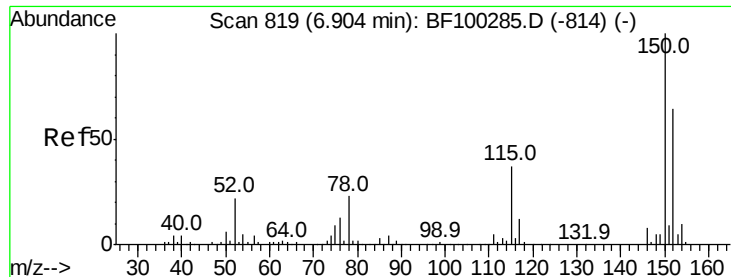
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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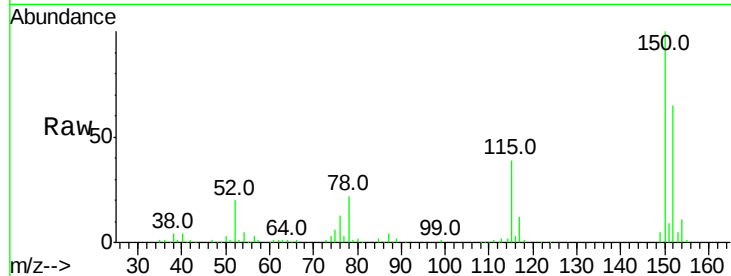


#1

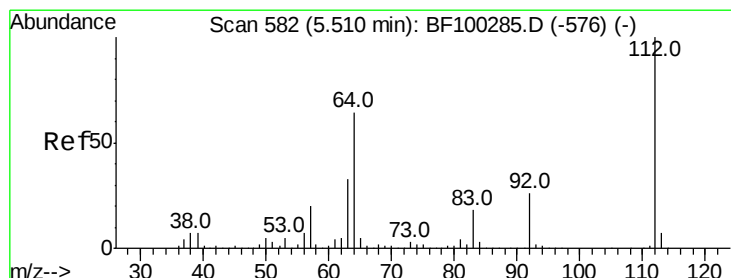
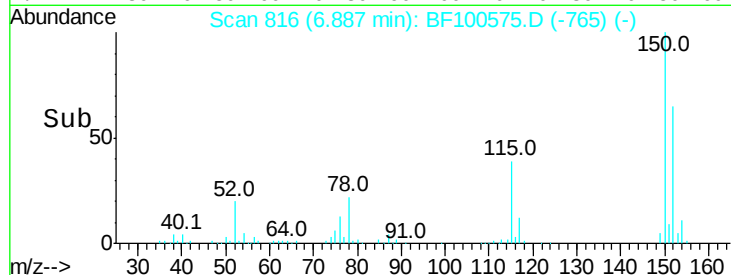
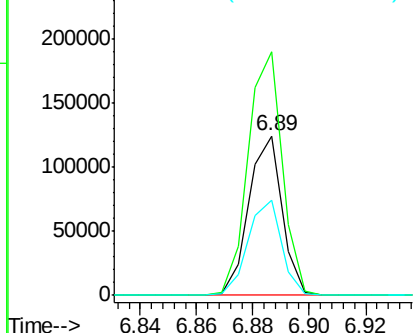
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. 0.00 min  
 Lab File: BF100575.D  
 Acq: 15 Nov 2017 7:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-111017-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 124.6 | 186.8 |
| 115     | 59.5  | 50.1  | 75.1  |



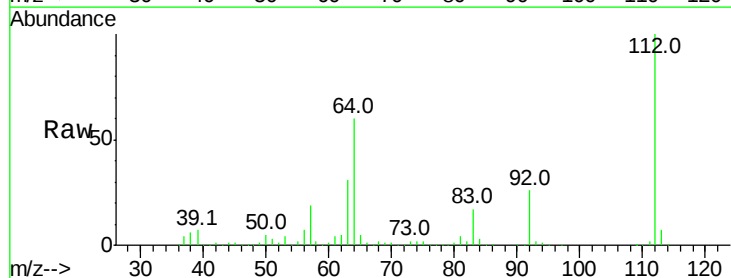
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



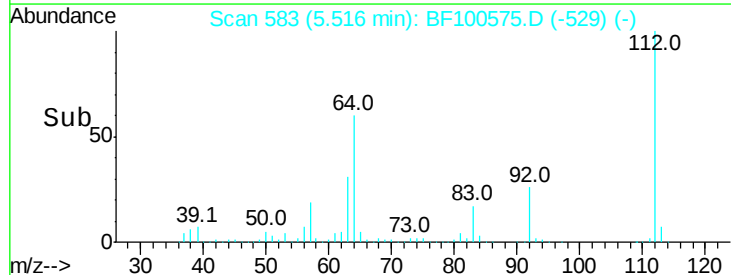
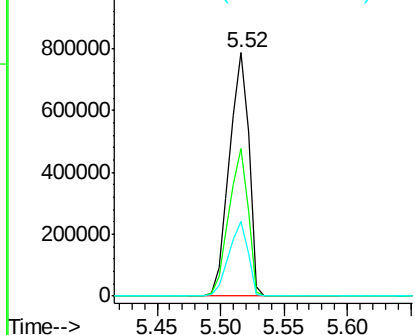
#5

2-Fluorophenol  
 Concen: 131.352 ng  
 RT: 5.52 min Scan# 583  
 Delta R.T. 0.02 min  
 Lab File: BF100575.D  
 Acq: 15 Nov 2017 7:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.4  | 47.9  | 71.9  |
| 63      | 30.5  | 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: 116.961 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF100575.D

Acq: 15 Nov 2017 7:53

Instrument :

BNA\_F

ClientSampleId :

EO-02-111017-A

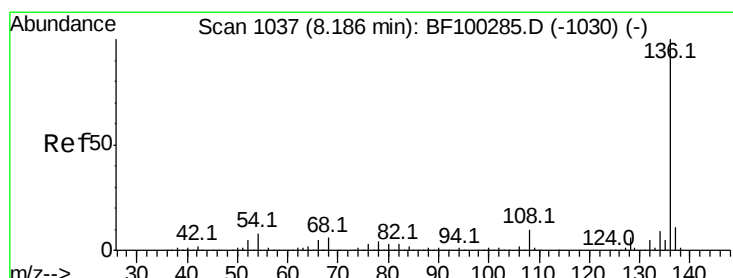
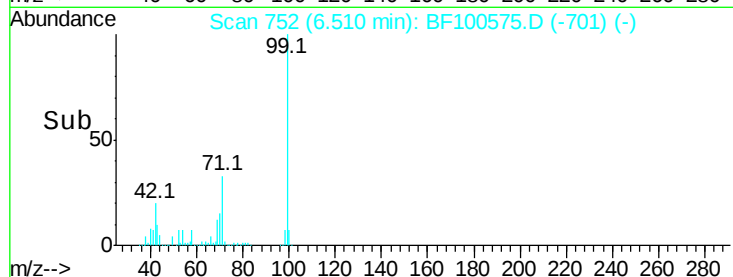
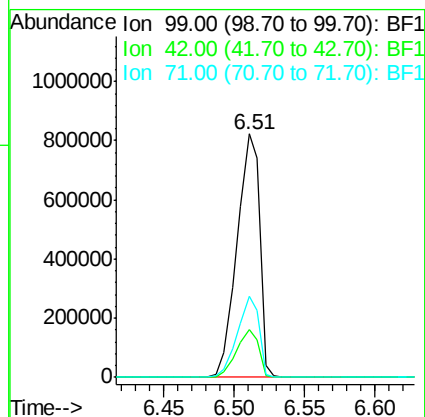
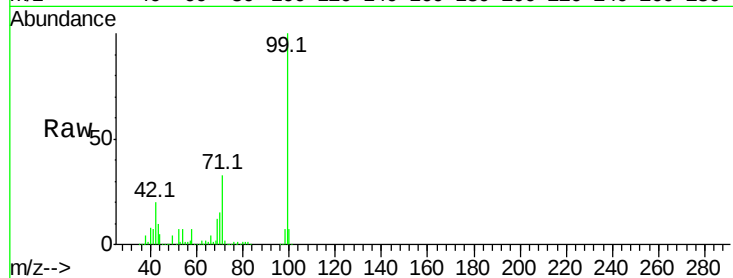
Tot Ion: 99 Resp: 914727

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 33.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100575.D

Acq: 15 Nov 2017 7:53

Tgt Ion: 136 Resp: 364325

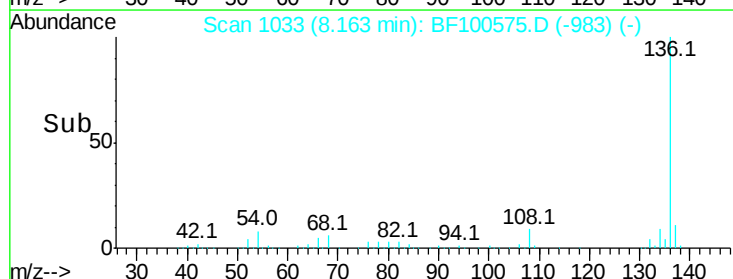
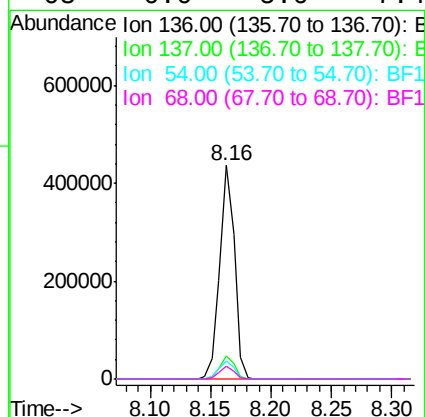
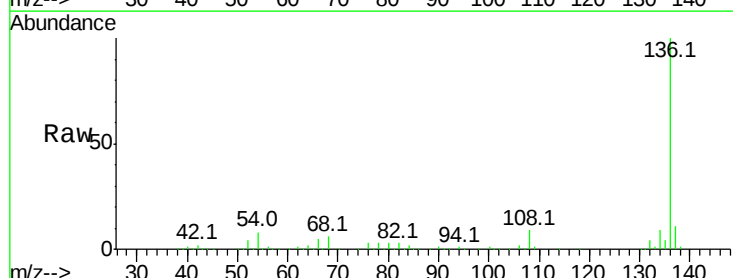
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 6.6 9.8

68 6.0 5.0 7.4

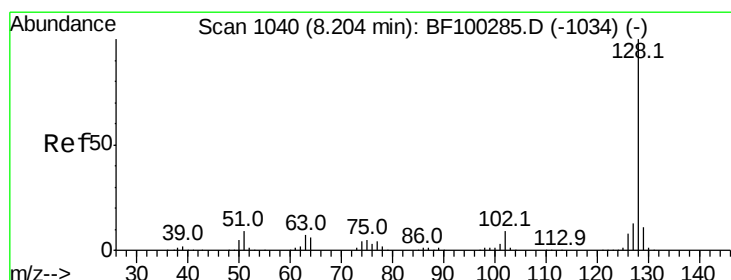
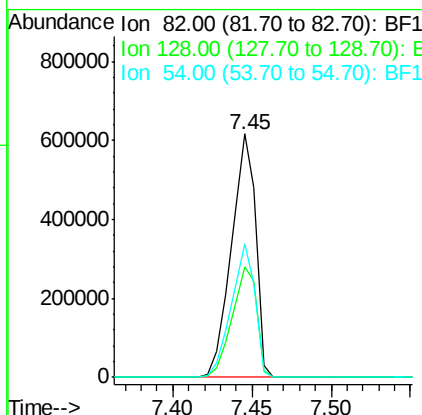
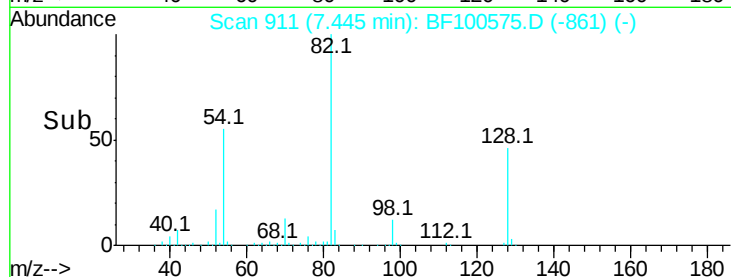
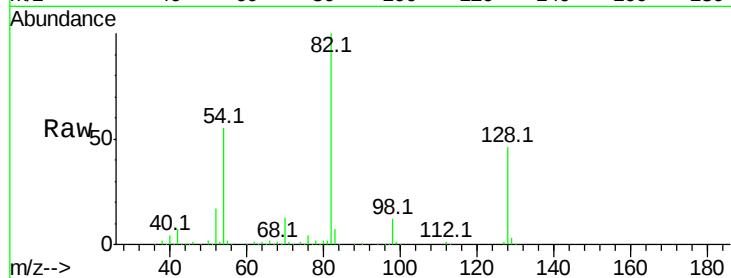




#23  
Nitrobenzene-d5  
Concen: 118.215 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF100575.D  
Acq: 15 Nov 2017 7:53

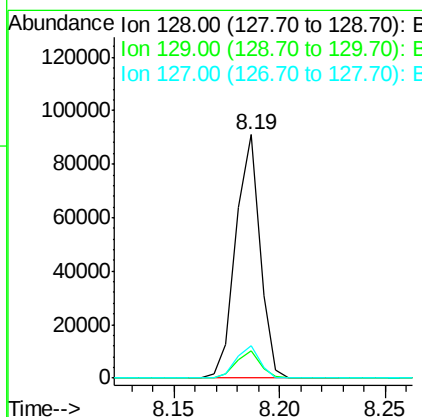
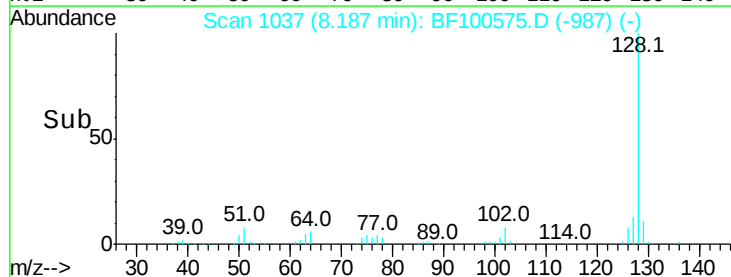
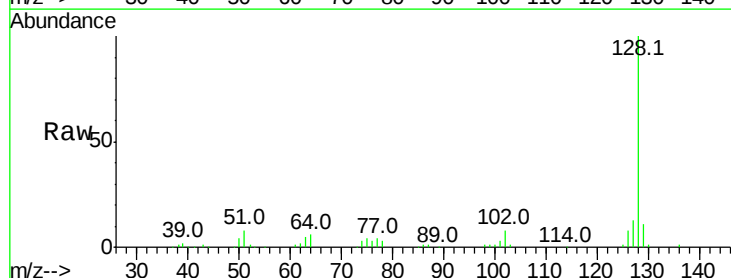
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-111017-A

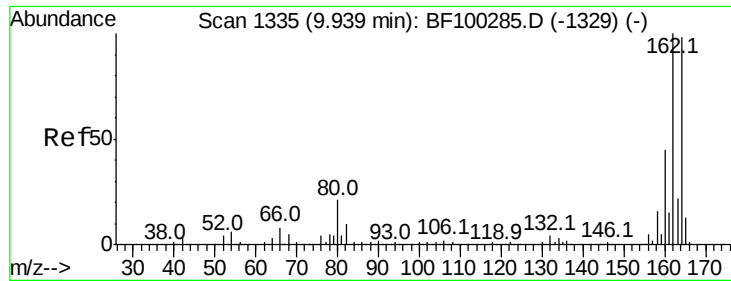
Tot Ion: 82 Resp: 651437  
Ion Ratio Lower Upper  
82 100  
128 45.6 36.1 54.1  
54 55.0 41.4 62.2



#31  
Naphthalene  
Concen: 4.090 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF100575.D  
Acq: 15 Nov 2017 7:53

Tgt Ion: 128 Resp: 71762  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.3 10.9 16.3

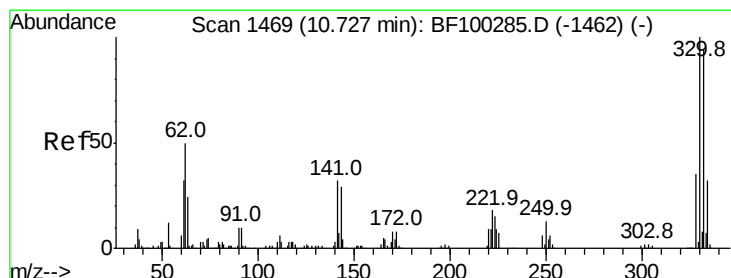
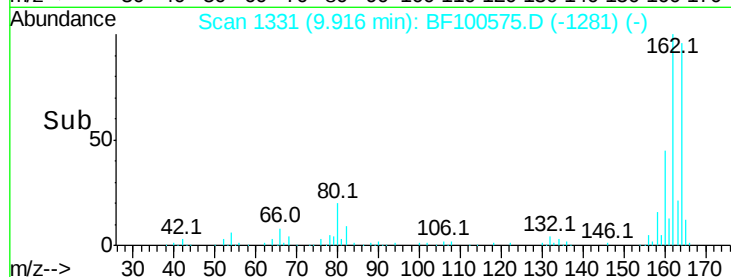
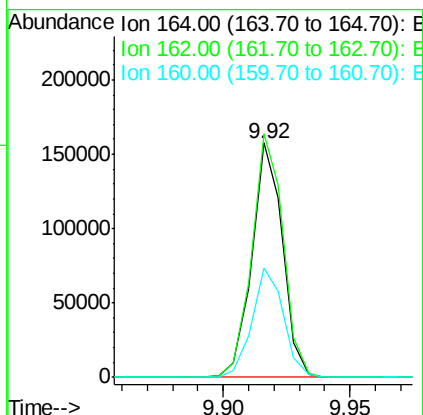
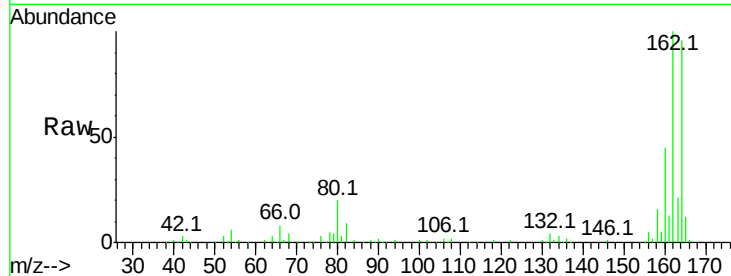




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF100575.D  
Acq: 15 Nov 2017 7:53

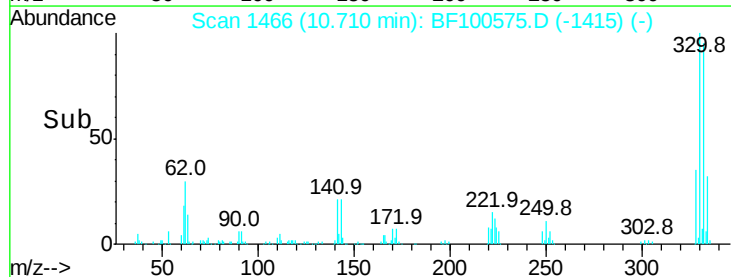
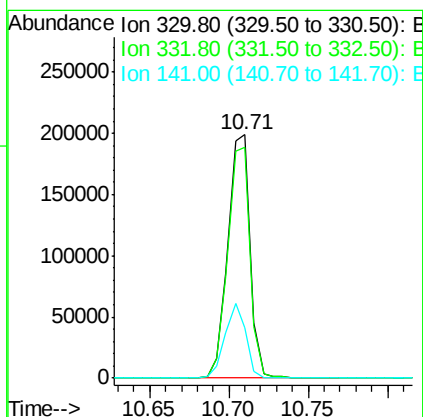
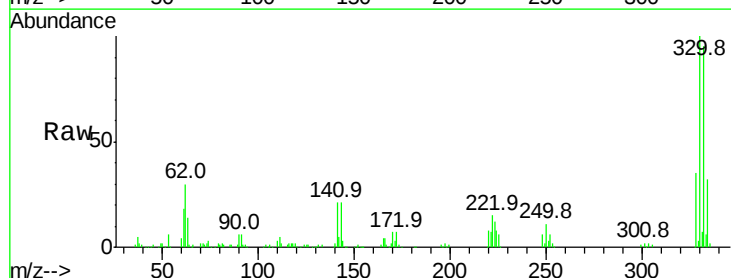
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-111017-A

Tot Ion:164 Resp: 131938  
Ion Ratio Lower Upper  
164 100  
162 104.0 86.1 129.1  
160 46.9 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 144.017 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.00 min  
Lab File: BF100575.D  
Acq: 15 Nov 2017 7:53

Tgt Ion:330 Resp: 193624  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.0 115.6  
141 28.7 29.9 44.9#



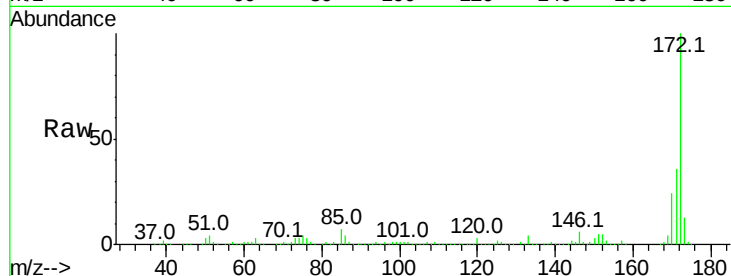


#44  
 2-Fluorobiphenyl  
 Concen: 121.838 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF100575.D  
 Acq: 15 Nov 2017 7:53

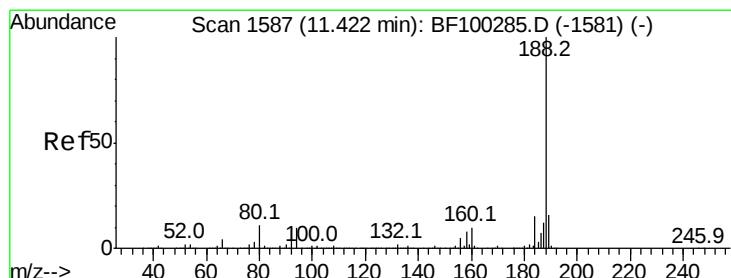
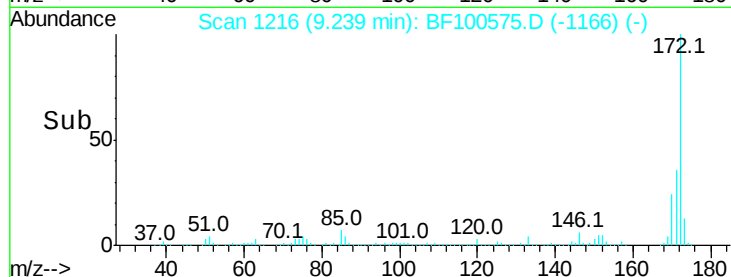
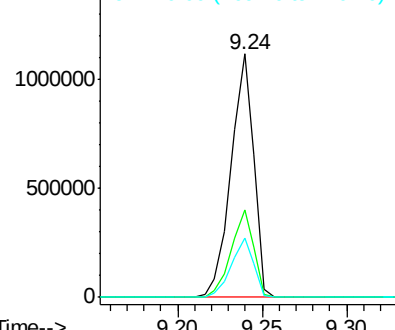
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-111017-A

Tot Ion:172 Resp: 1055684  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.1  | 29.7  | 44.5  |
| 170 | 24.1  | 19.6  | 29.4  |



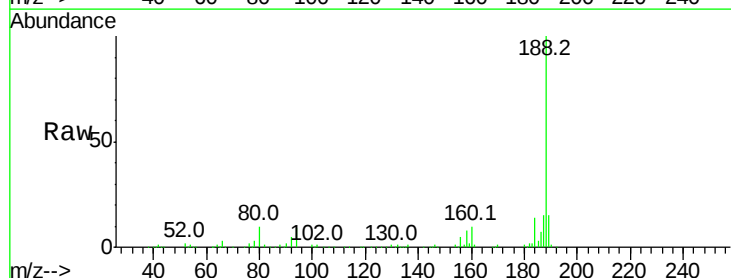
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



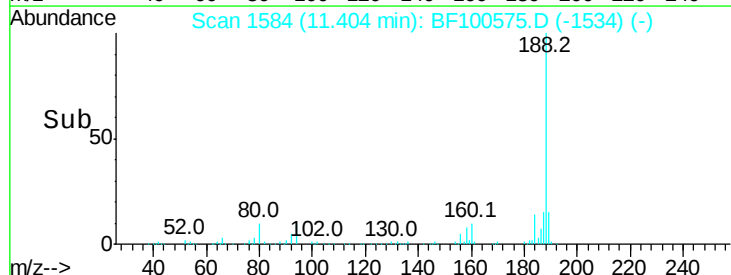
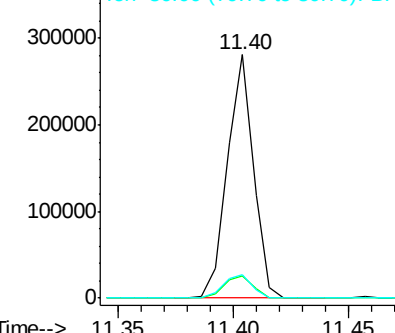
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. -0.01 min  
 Lab File: BF100575.D  
 Acq: 15 Nov 2017 7:53

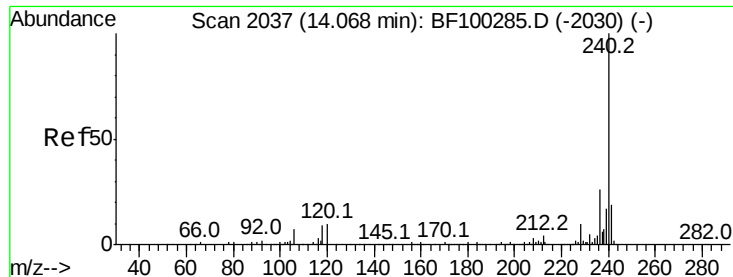
Tgt Ion:188 Resp: 222328  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.3   | 8.5   | 12.7  |
| 80  | 9.7   | 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100575.D

Acq: 15 Nov 2017 7:53

Instrument :

BNA\_F

ClientSampleId :

EO-02-111017-A

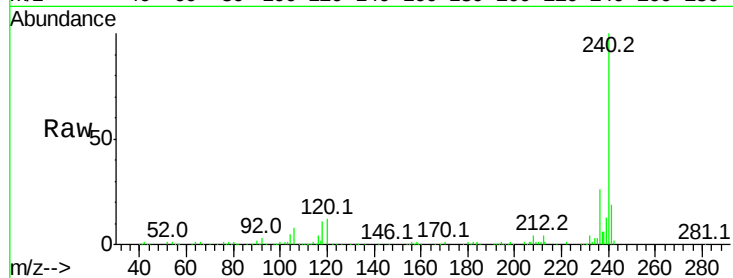
Tot Ion:240 Resp: 231772

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

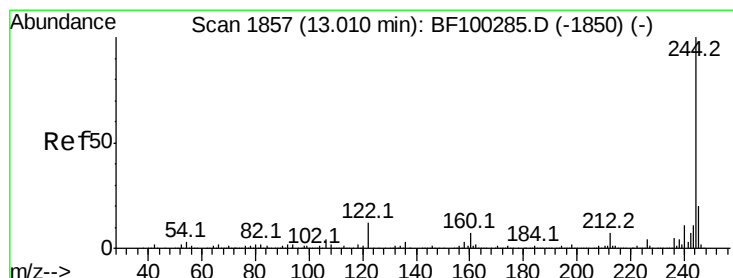
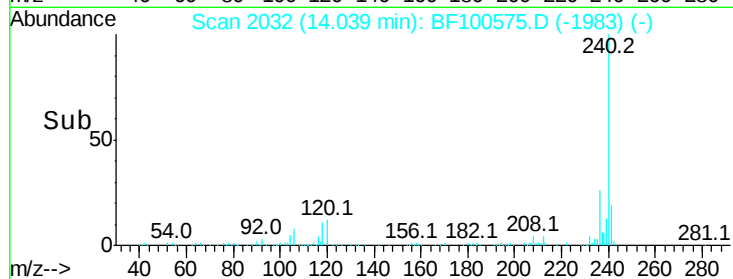
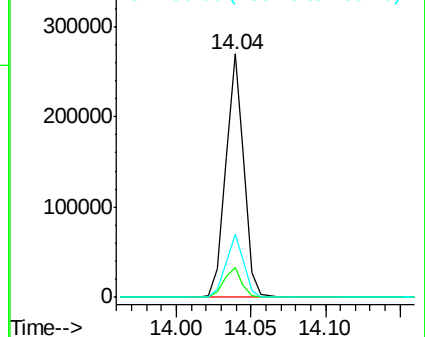
236 26.0 20.7 31.1



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: 88.380 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100575.D

Acq: 15 Nov 2017 7:53

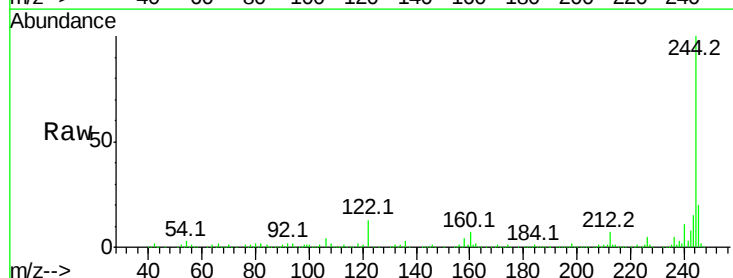
Tgt Ion:244 Resp: 891496

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

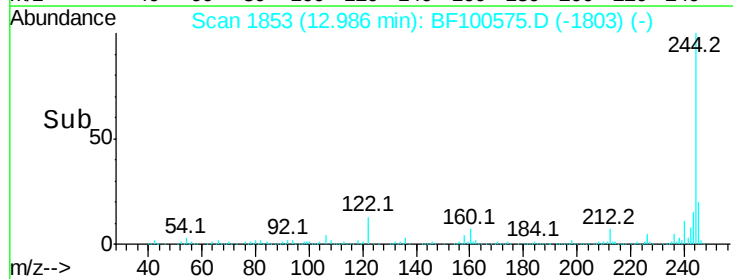
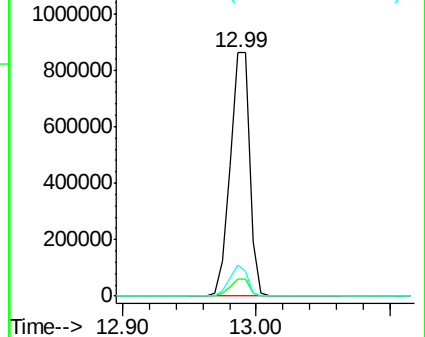
122 12.6 11.0 16.4

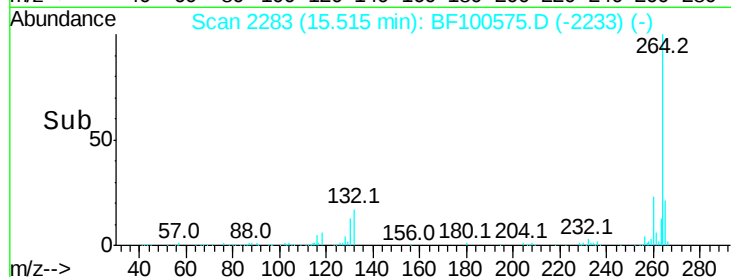
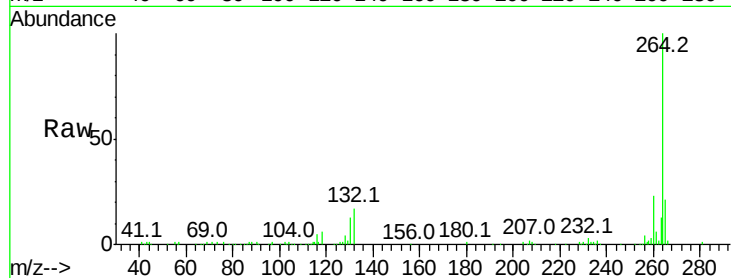


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF100575.D

Acq: 15 Nov 2017 7:53

Instrument :

BNA\_F

ClientSampleId :

EO-02-111017-A

Tot Ion:264 Resp: 157242

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 21.1 17.5 26.3

