

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\  
 Data File : BF100365.D  
 Acq On : 10 Nov 2017 2:27  
 Operator : SJ/JU  
 Sample : I6346-08  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-5(50-52)

Quant Time: Nov 10 04:05:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 09 16:04:38 2017  
 Response via : Initial Calibration

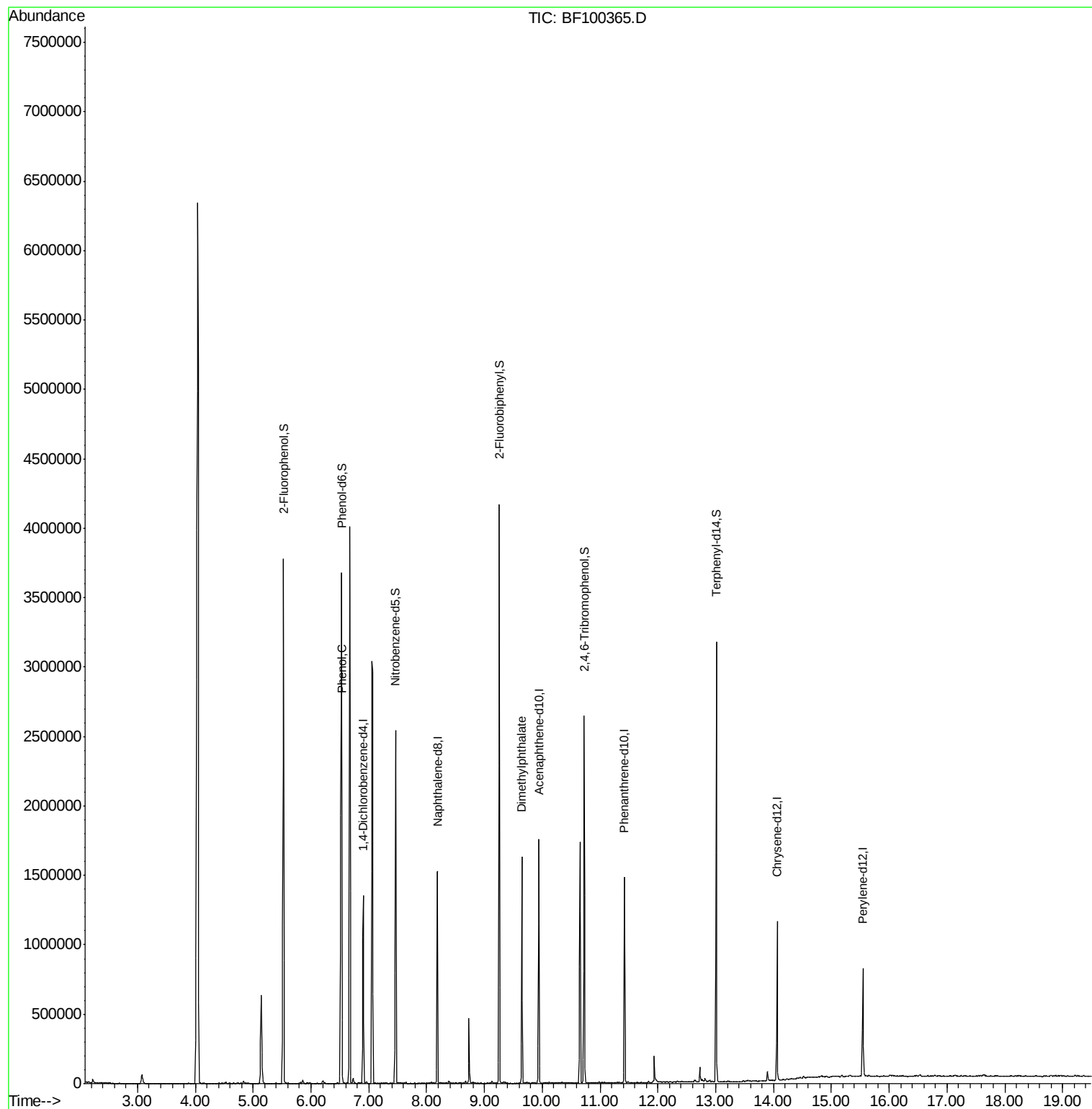
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 187400   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.19  | 136  | 717132   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.94  | 164  | 309578   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.42 | 188  | 520325   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.06 | 240  | 369516   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.54 | 264  | 364321   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1190583  | 101.84 | ng    | 0.02     |
| 7) Phenol-d6                | 6.53  | 99   | 1494297  | 103.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 911806   | 84.06  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 328978   | 104.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 1485166  | 73.05  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.01 | 244  | 1031924  | 64.17  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.54  | 94   | 80730    | 5.334  | ng    | 96       |
| 49) Dimethylphthalate       | 9.65  | 163  | 596644   | 25.242 | ng    | 100      |

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 09 16:04:38 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(50-52)

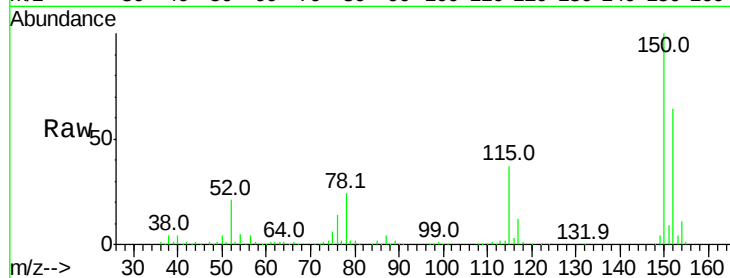
Tot Ion:152 Resp: 187400

Ion Ratio Lower Upper

152 100

150 156.4 124.6 186.8

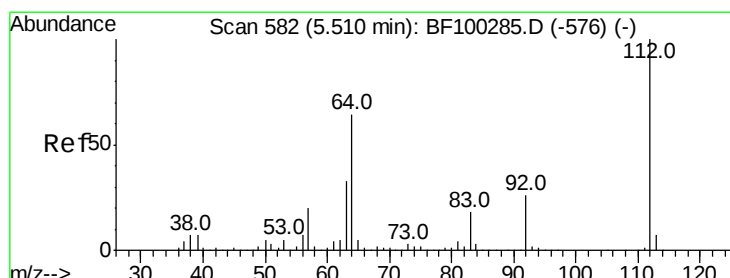
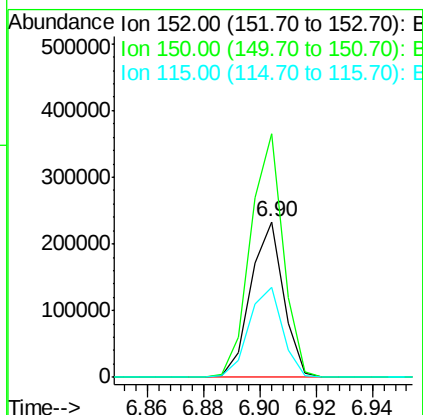
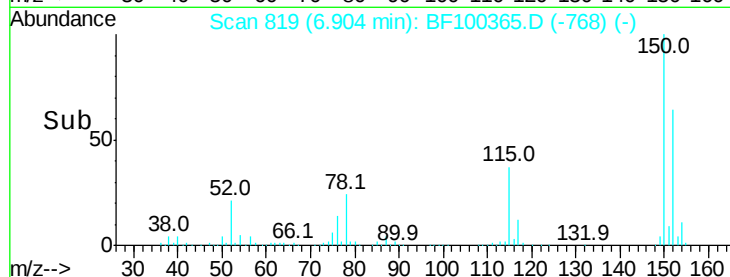
115 57.7 50.1 75.1



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: 101.840 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.02 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

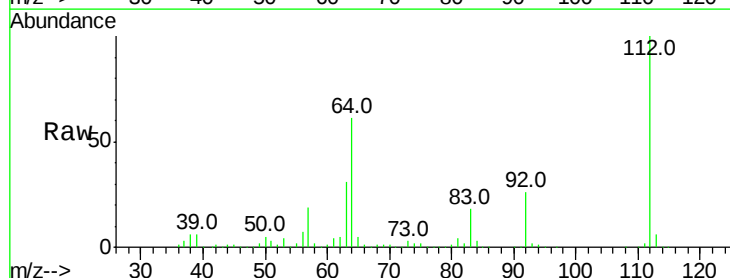
Tgt Ion:112 Resp: 1190583

Ion Ratio Lower Upper

112 100

64 60.6 47.9 71.9

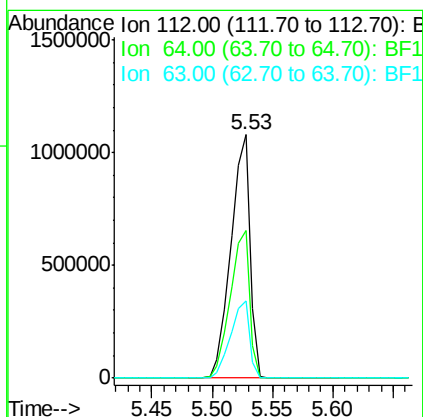
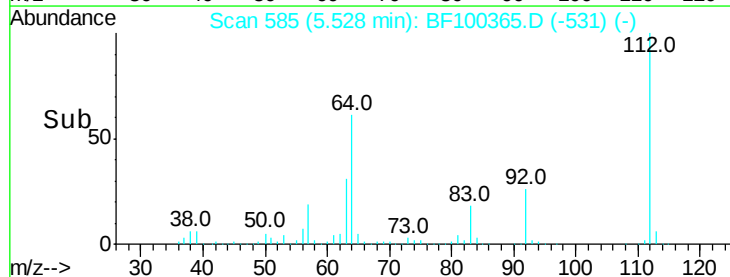
63 31.5 23.7 35.5



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: 103.654 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

Instrument :

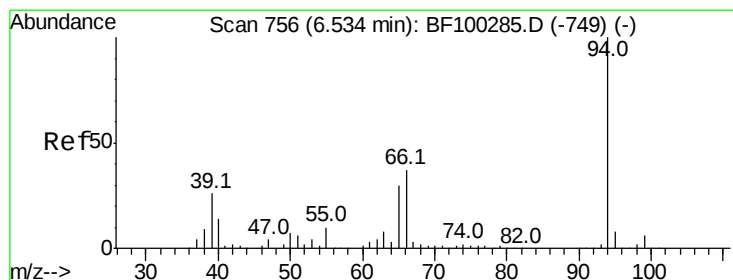
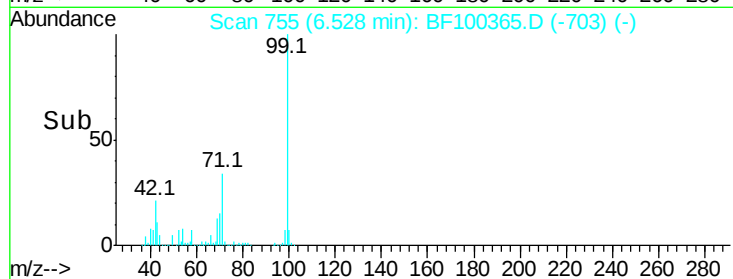
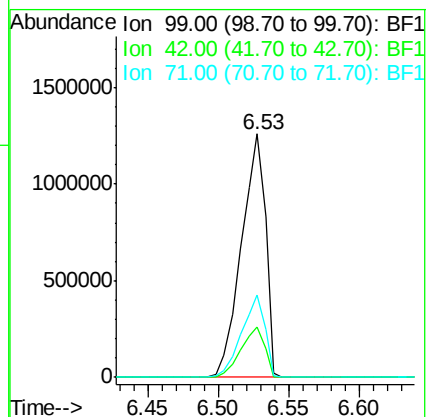
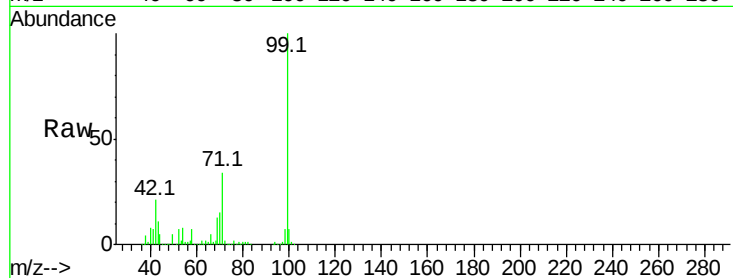
BNA\_F

ClientSampleId :

EPE-120-5(50-52)

Tot Ion: 99 Resp: 1494297

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.6  | 14.5  | 21.7  |
| 71  | 33.6  | 25.4  | 38.0  |



#10

Phenol

Concen: 5.334 ng

RT: 6.54 min Scan# 757

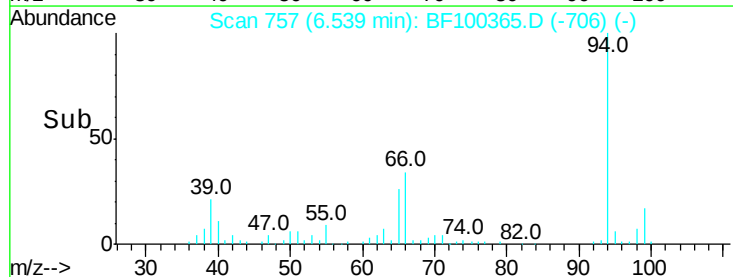
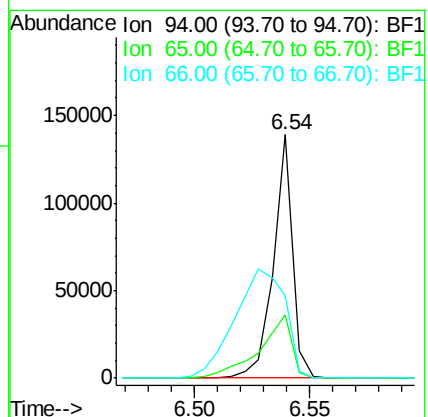
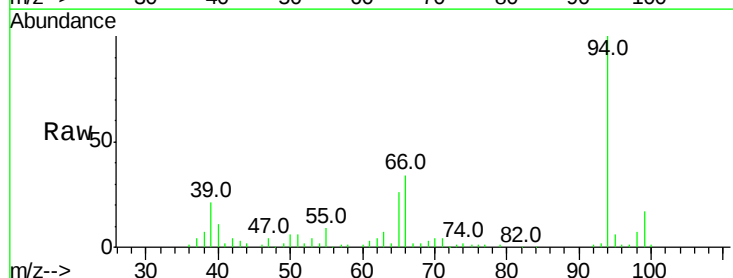
Delta R.T. 0.00 min

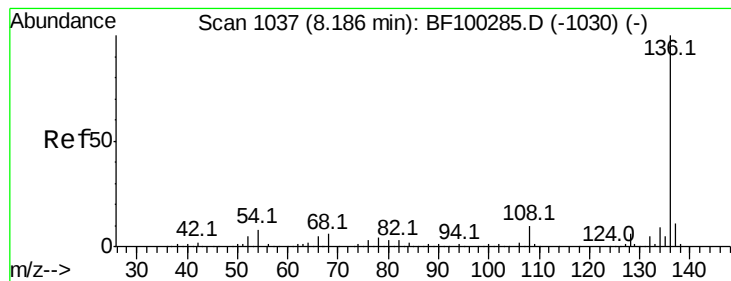
Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

Tgt Ion: 94 Resp: 80730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.0  | 7.9   | 47.9  |
| 66  | 34.0  | 16.2  | 56.2  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(50-52)

Tot Ion:136 Resp: 717132

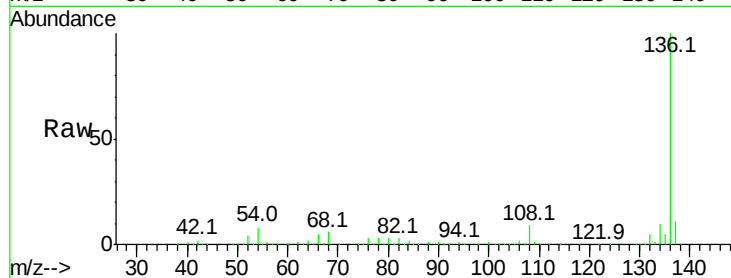
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 5.9 5.0 7.4

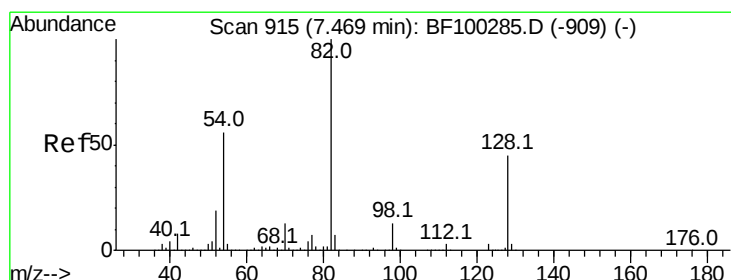
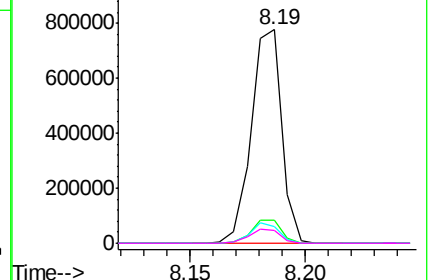
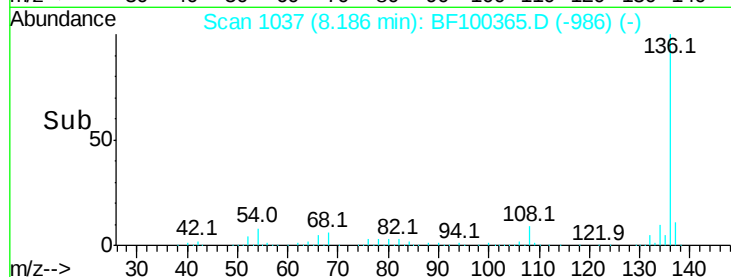


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.061 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

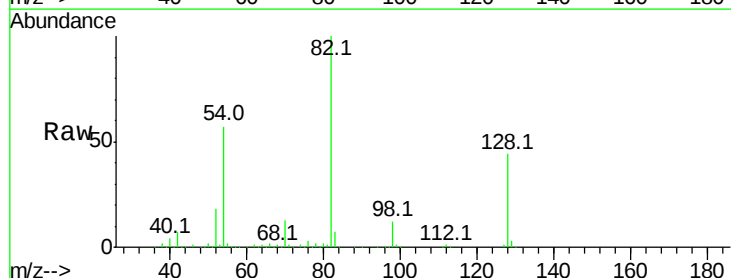
Tgt Ion: 82 Resp: 911806

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

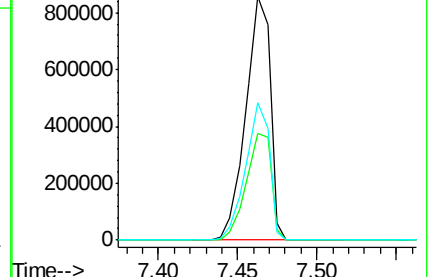
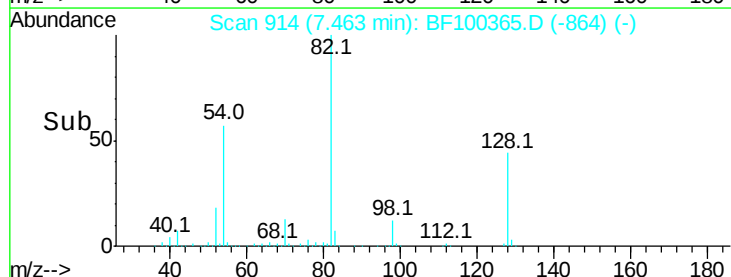
54 56.5 41.4 62.2



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

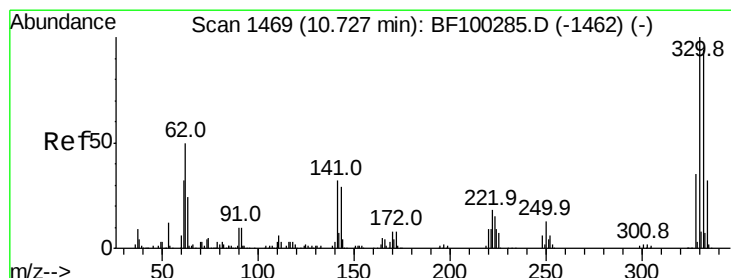
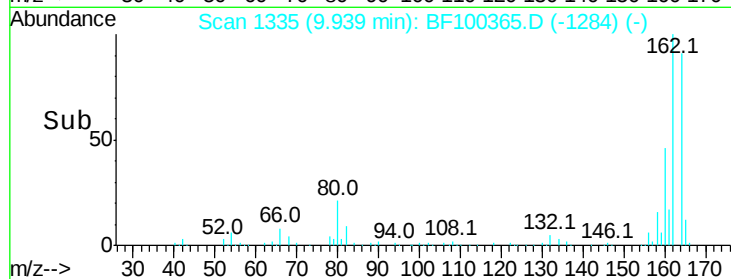
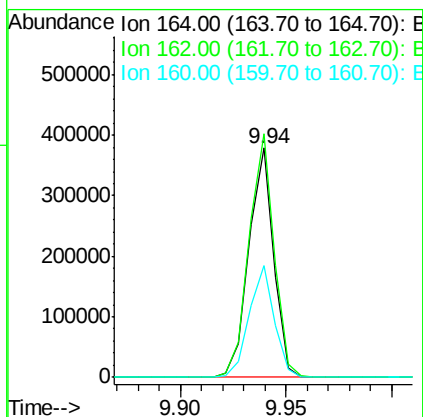
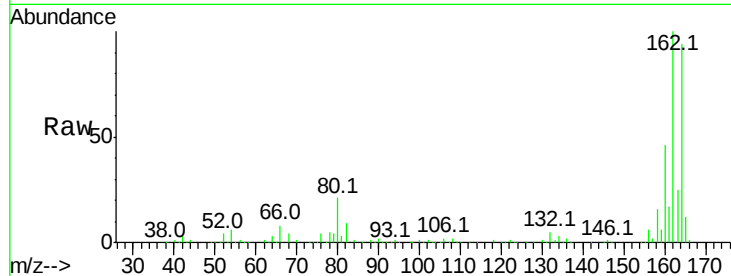




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.94 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: BF100365.D  
 Acq: 10 Nov 2017 2:27

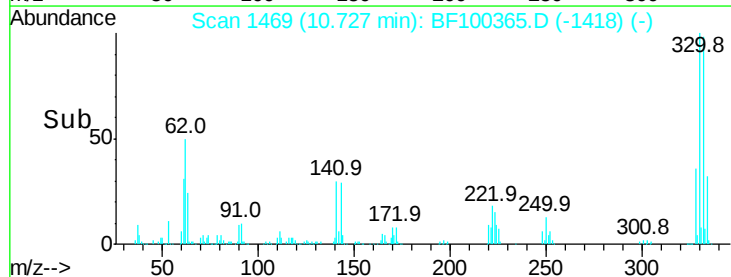
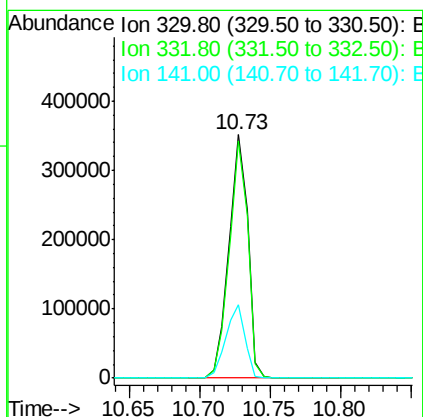
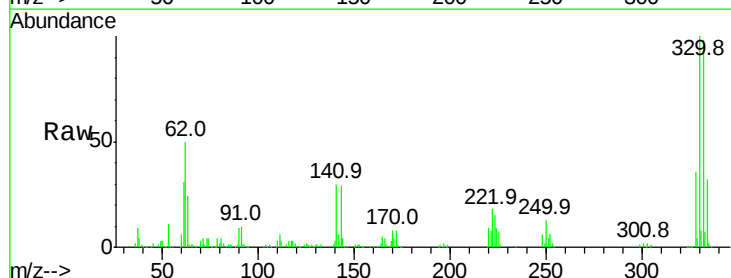
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-5(50-52)

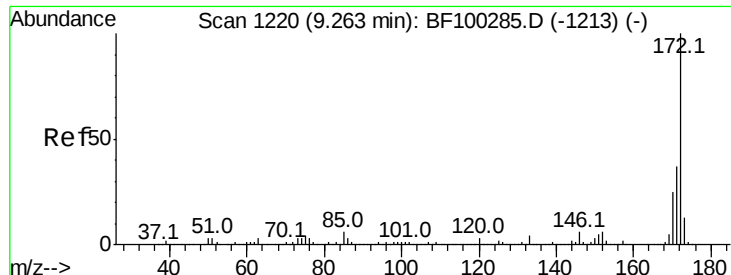
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.2 | 86.1  | 129.1 |
| 160     | 48.9  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 104.285 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: BF100365.D  
 Acq: 10 Nov 2017 2:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.0  | 115.6 |
| 141     | 30.3  | 29.9  | 44.9  |

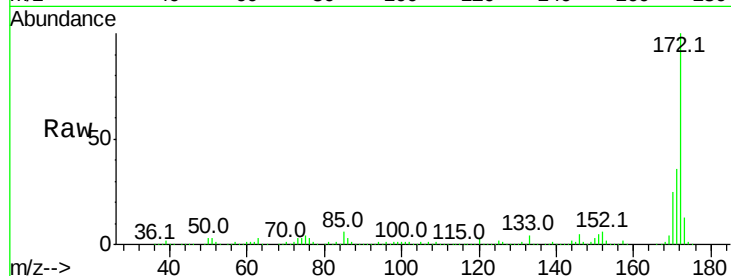




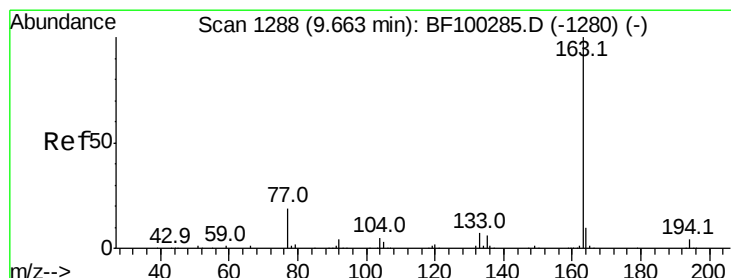
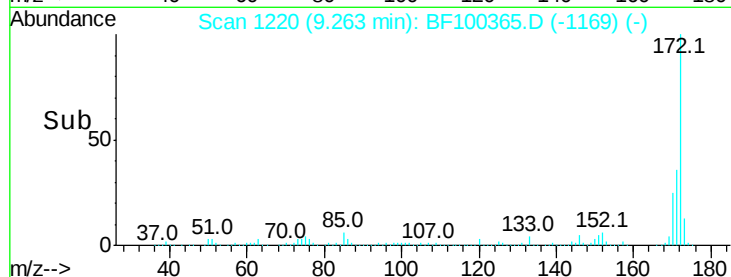
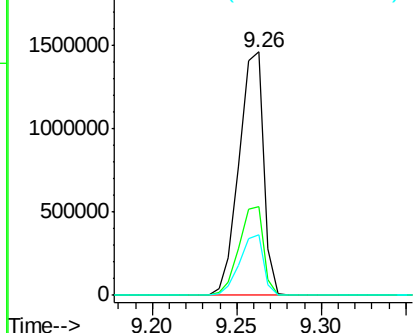
#44  
2-Fluorobiphenyl  
Concen: 73.050 ng  
RT: 9.26 min Scan# 1220  
Delta R.T. 0.00 min  
Lab File: BF100365.D  
Acq: 10 Nov 2017 2:27

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-5(50-52)

Tot Ion:172 Resp: 1485166  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.7 44.5  
170 25.0 19.6 29.4

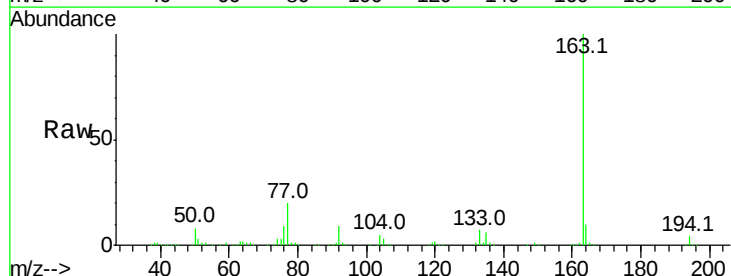


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

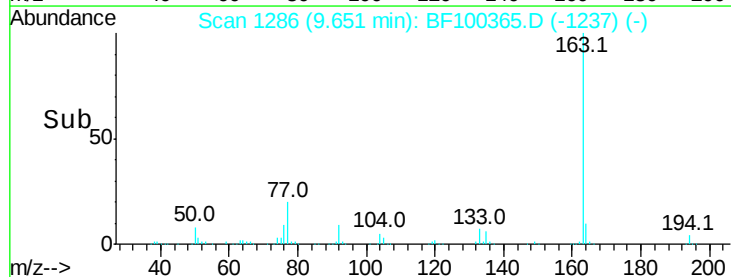
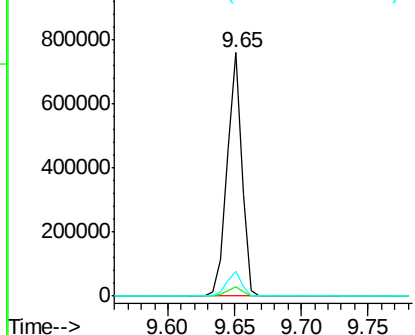


#49  
Dimethylphthalate  
Concen: 25.242 ng  
RT: 9.65 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BF100365.D  
Acq: 10 Nov 2017 2:27

Tgt Ion:163 Resp: 596644  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.2 8.2 12.2



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

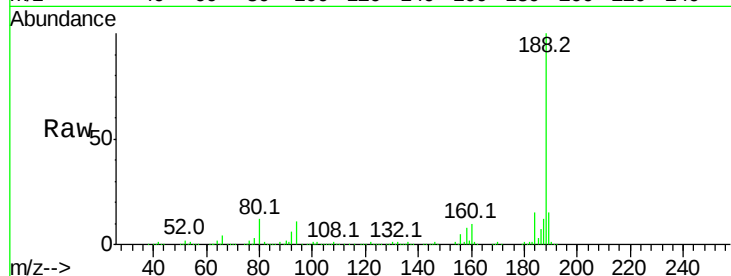




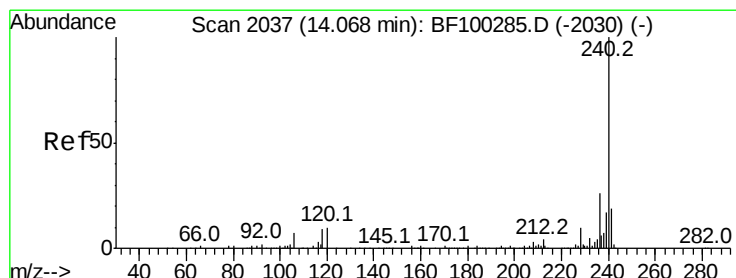
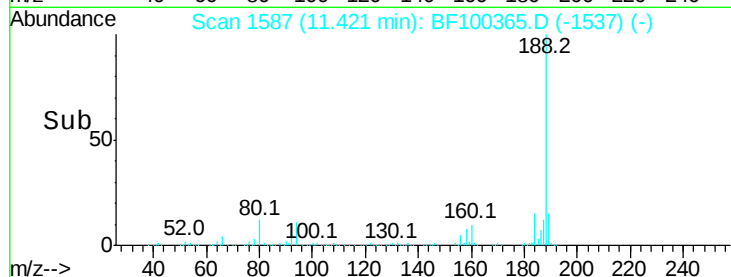
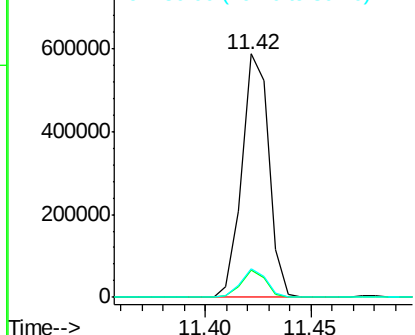
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: BF100365.D  
Acq: 10 Nov 2017 2:27

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-5(50-52)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.3  | 8.5   | 12.7  |
| 80      | 11.7  | 9.2   | 13.8  |

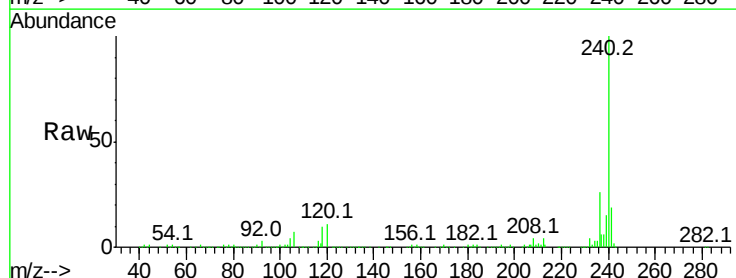


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

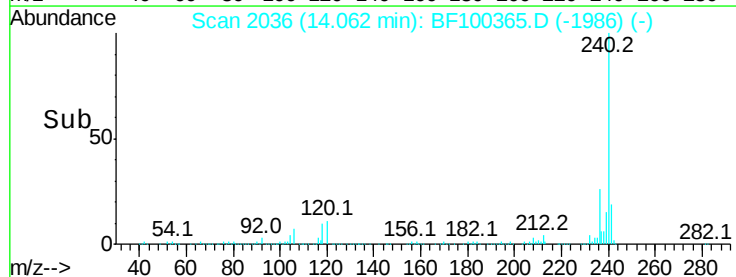
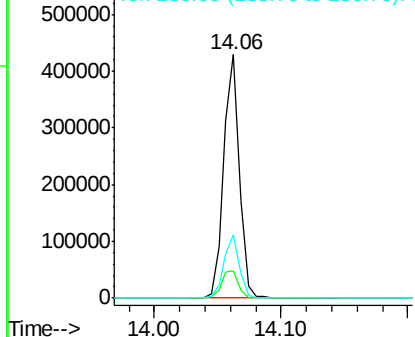


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BF100365.D  
Acq: 10 Nov 2017 2:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.1  | 9.5   | 14.3  |
| 236     | 25.7  | 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: 64.167 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(50-52)

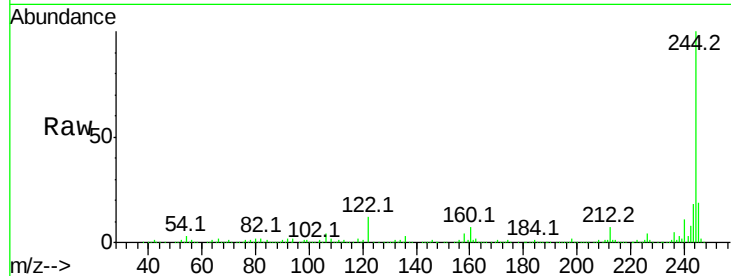
Tot Ion:244 Resp: 1031924

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

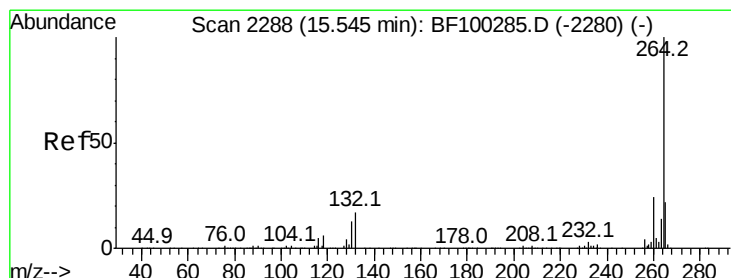
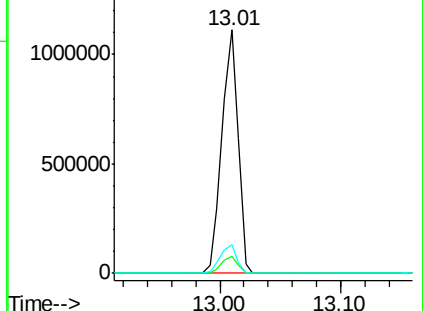
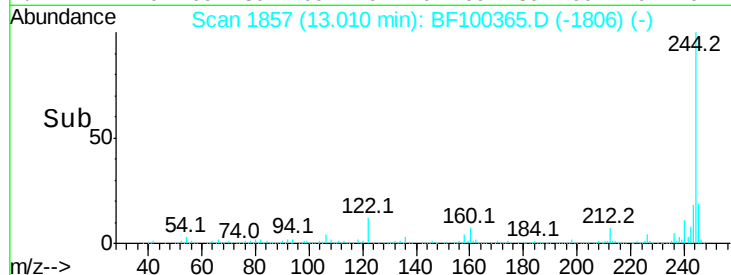
122 11.7 11.0 16.4



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: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF100365.D

Acq: 10 Nov 2017 2:27

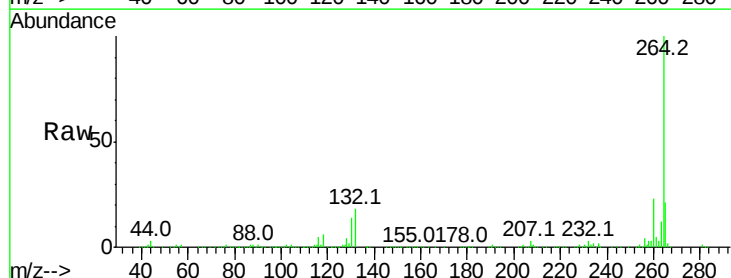
Tgt Ion:264 Resp: 364321

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.7 17.5 26.3



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

