

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\  
 Data File : BF100310.D  
 Acq On : 8 Nov 2017 23:40  
 Operator : SJ/JU  
 Sample : I6346-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-5(0-5)

Quant Time: Nov 09 01:22:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 08 14:33:31 2017  
 Response via : Initial Calibration

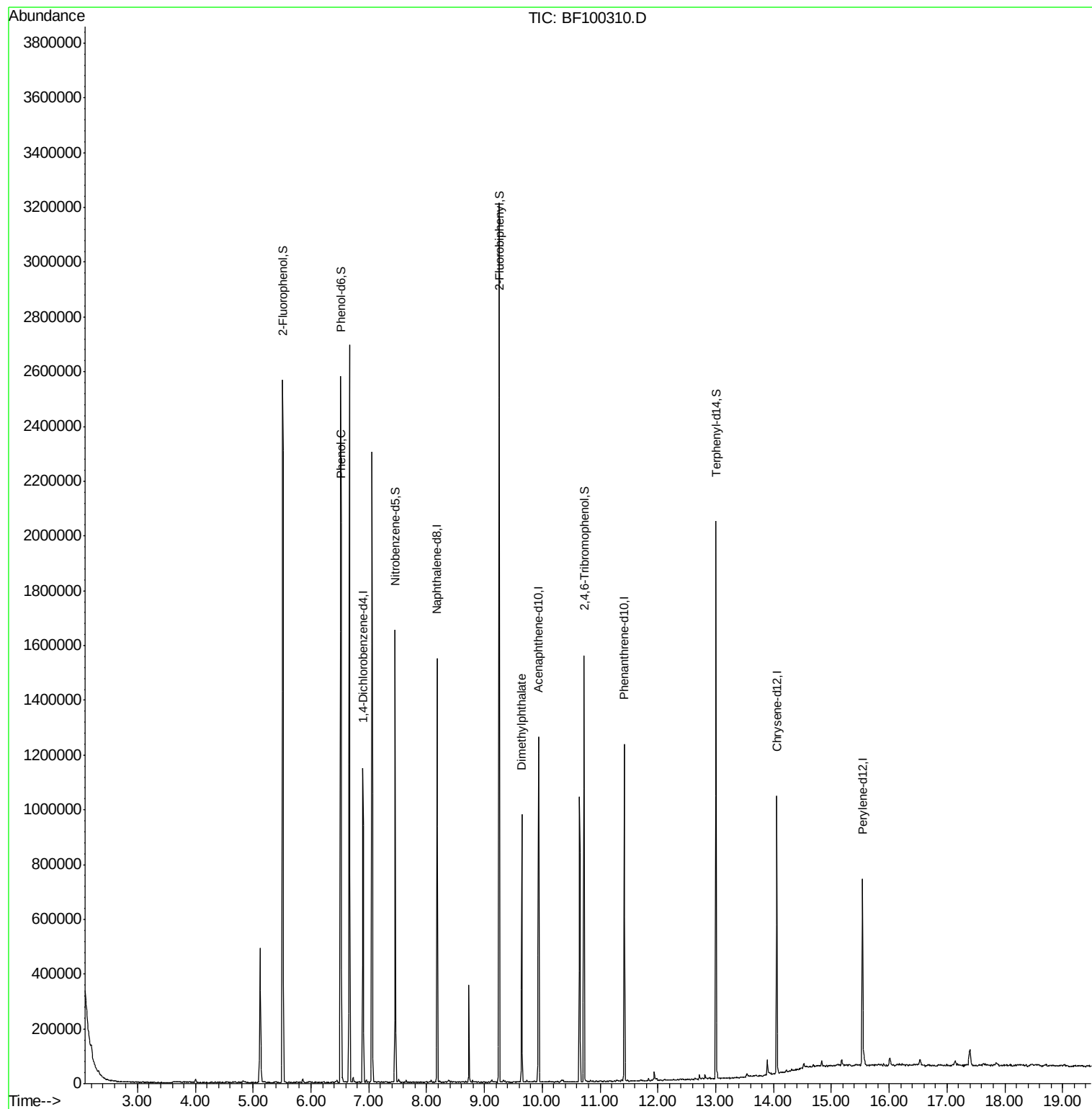
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 163933   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.18  | 136  | 610886   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.93  | 164  | 253717   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.42 | 188  | 389954   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.06 | 240  | 326053   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.54 | 264  | 309021   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 725856   | 70.98  | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 903312   | 71.63  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 523240   | 56.63  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 173634   | 67.16  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 958670   | 57.54  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.00 | 244  | 609277   | 42.94  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.53  | 94   | 51618    | 3.899  | ng    | 99       |
| 49) Dimethylphthalate       | 9.65  | 163  | 366161   | 18.902 | ng    | 99       |

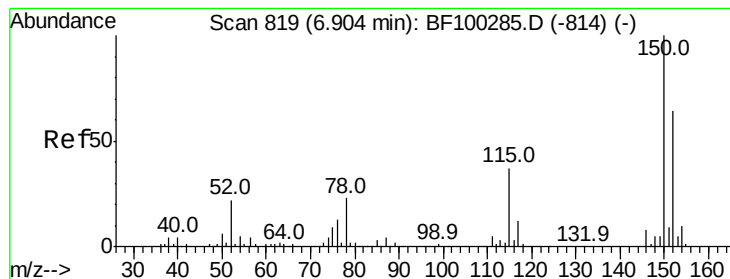
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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EPE-120-5(0-5)

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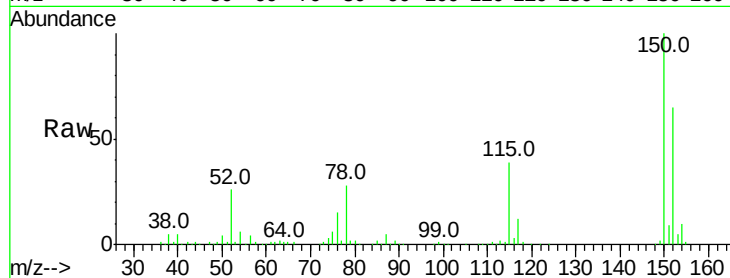


#1

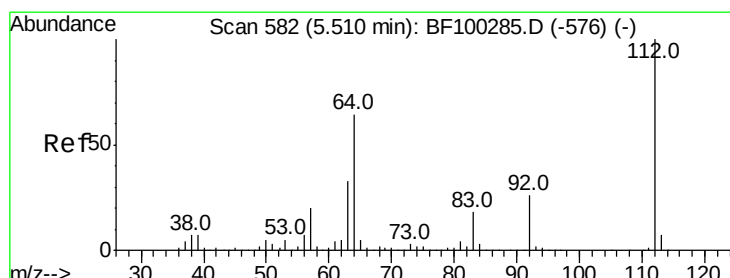
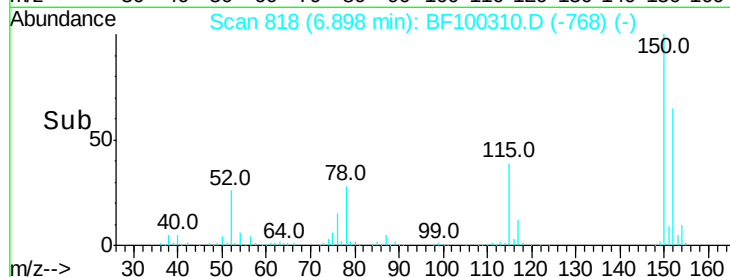
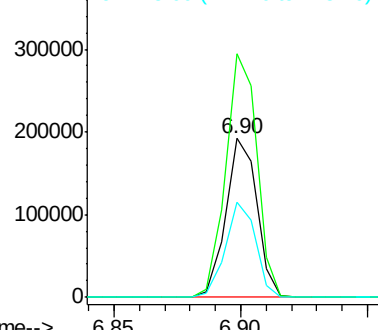
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-5(0-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 124.6 | 186.8 |
| 115     | 60.1  | 50.1  | 75.1  |



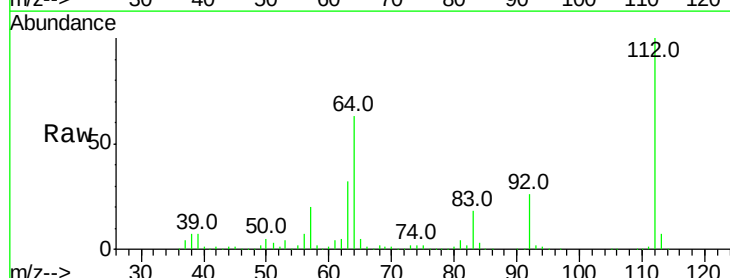
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



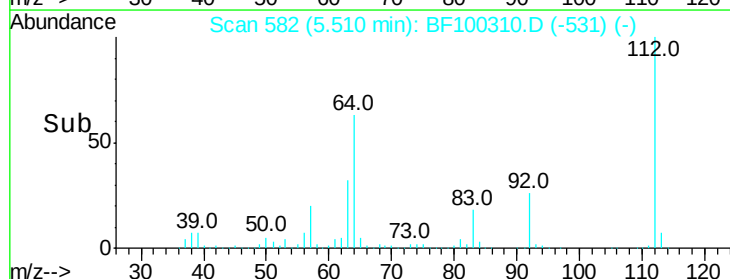
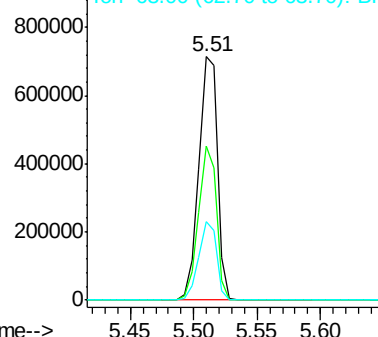
#5

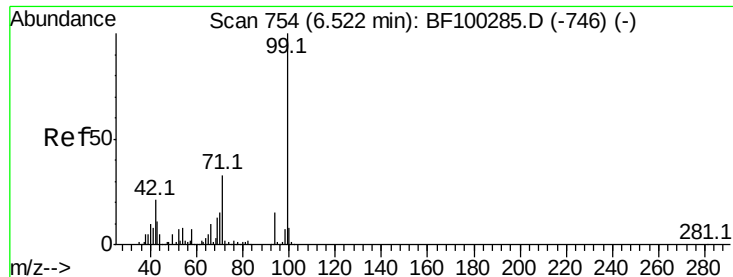
2-Fluorophenol  
Concen: 70.976 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.2  | 47.9  | 71.9  |
| 63      | 32.4  | 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: 71.630 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(0-5)

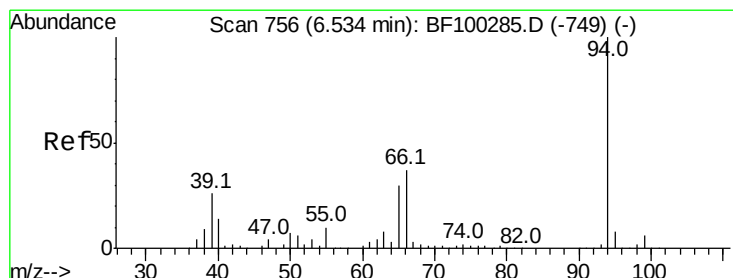
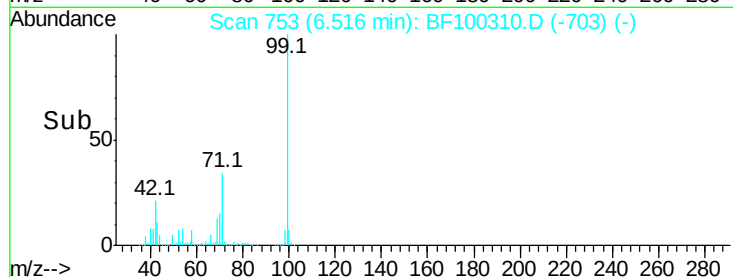
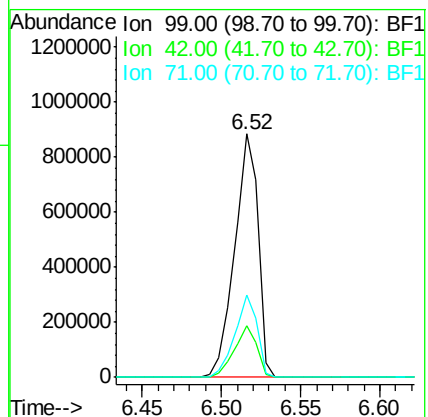
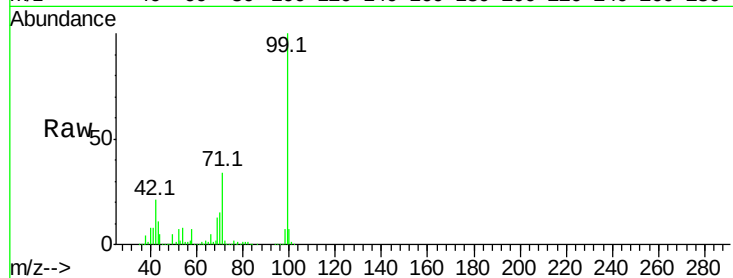
Tot Ion: 99 Resp: 903312

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 3.899 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

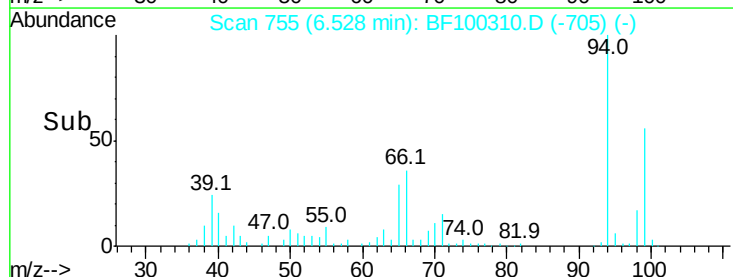
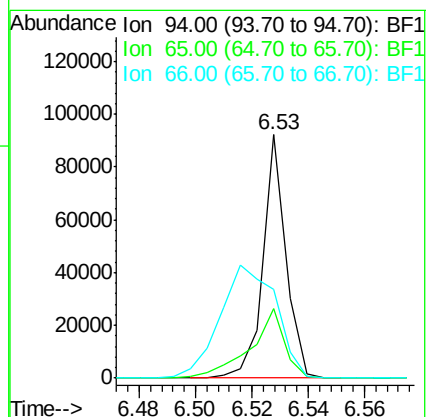
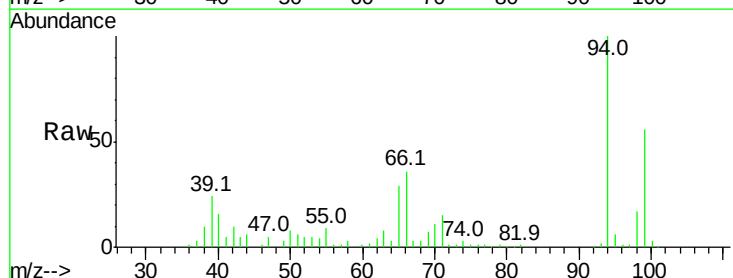
Tgt Ion: 94 Resp: 51618

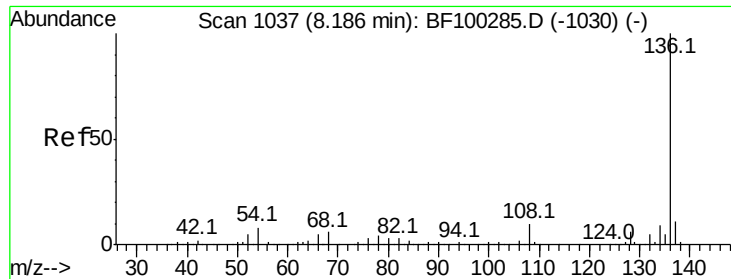
Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 36.4 16.2 56.2

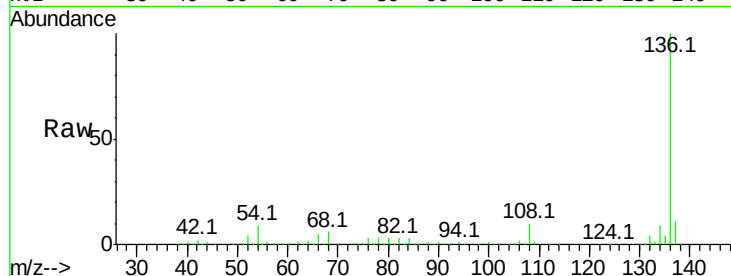




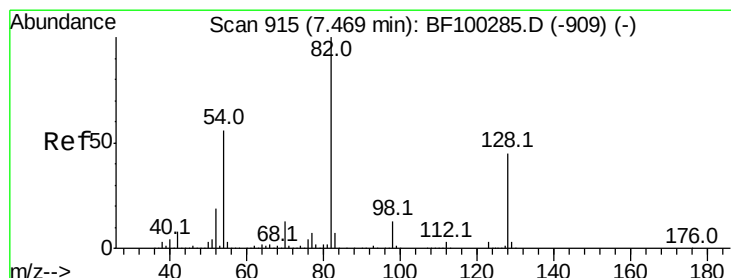
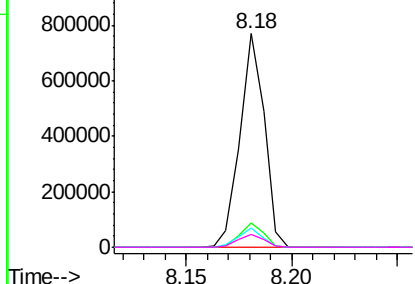
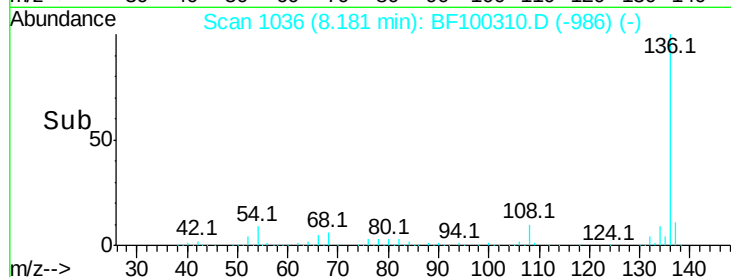
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-5(0-5)

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 610886 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.2    | 8.9 13.3     |
| 54 9.1      | 6.6 9.8      |
| 68 6.2      | 5.0 7.4      |

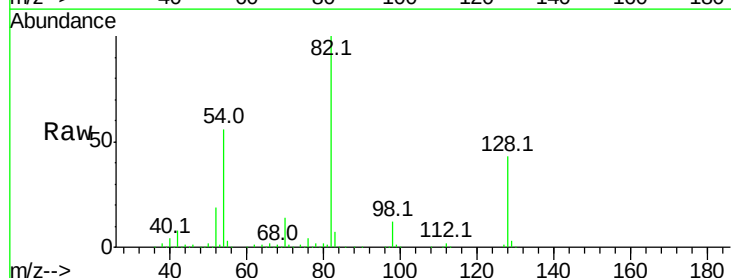


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

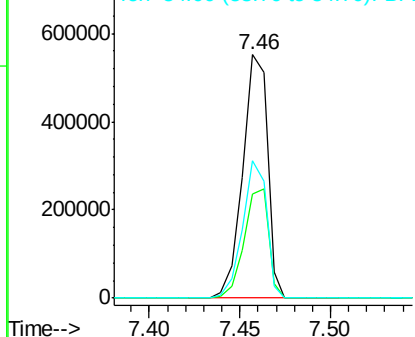
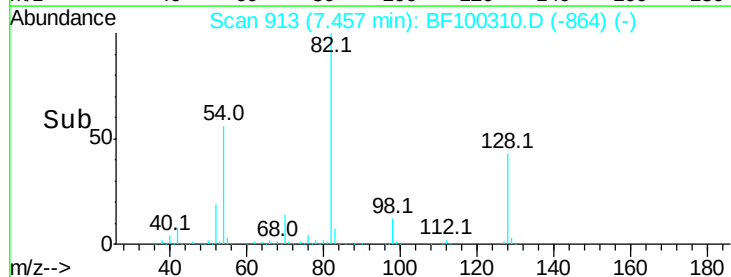


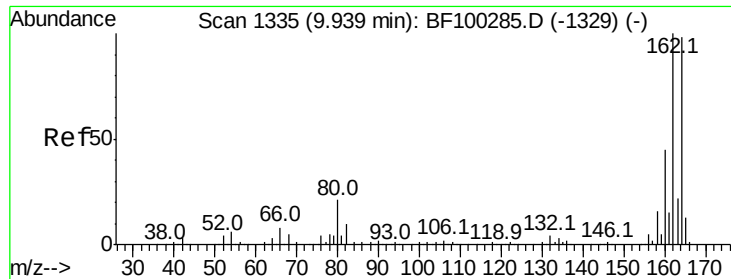
#23  
Nitrobenzene-d5  
Concen: 56.628 ng  
RT: 7.46 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 523240 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 43.0    | 36.1 54.1    |
| 54 56.3     | 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

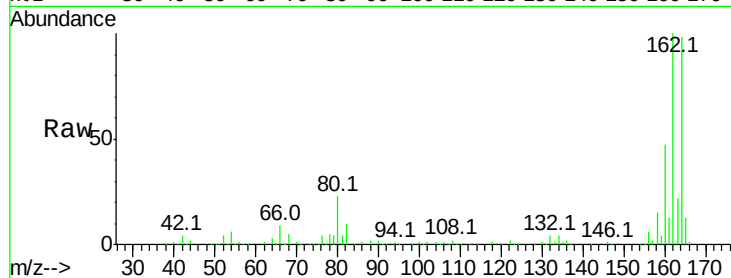




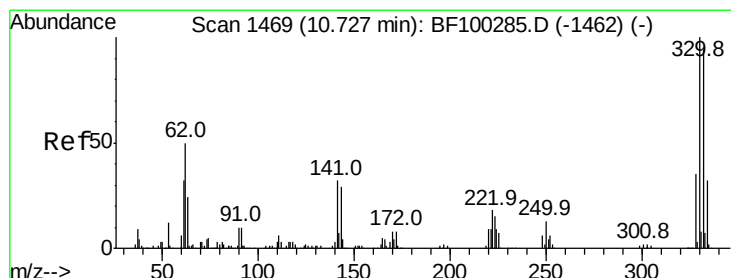
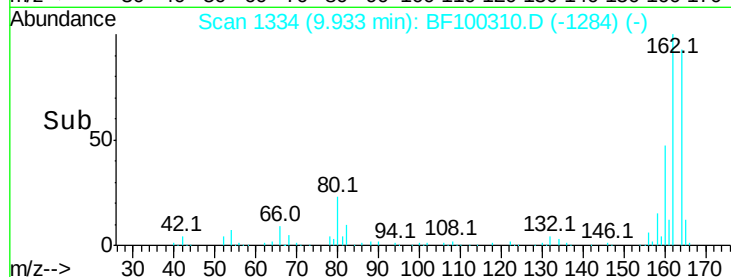
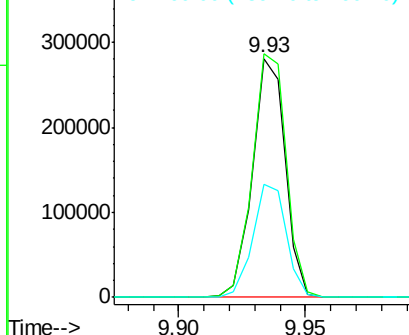
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.01 min  
 Lab File: BF100310.D  
 Acq: 8 Nov 2017 23:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-5(0-5)

Tot Ion:164 Resp: 253717  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 86.1 129.1  
 160 47.5 38.3 57.5

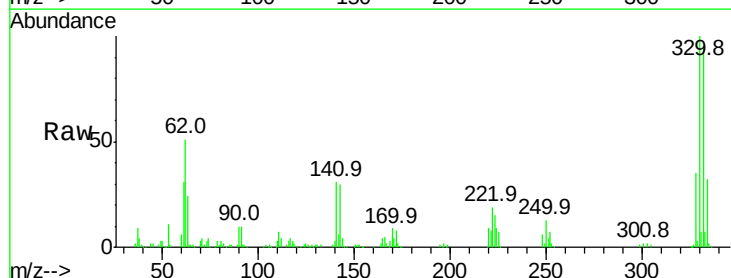


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

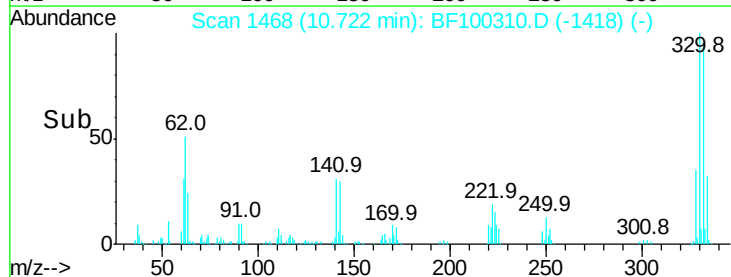
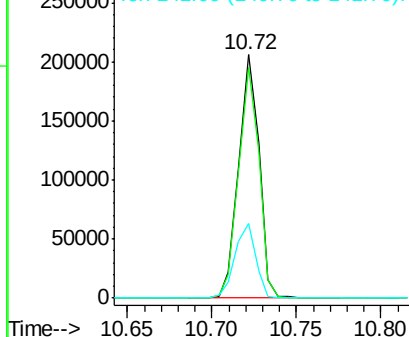


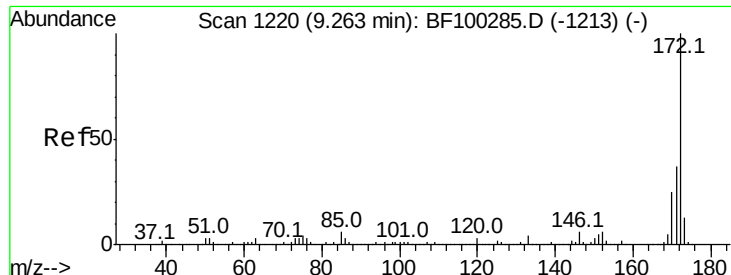
#41  
 2,4,6-Tribromophenol  
 Concen: 67.160 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. -0.01 min  
 Lab File: BF100310.D  
 Acq: 8 Nov 2017 23:40

Tgt Ion:330 Resp: 173634  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.0 115.6  
 141 31.0 29.9 44.9



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

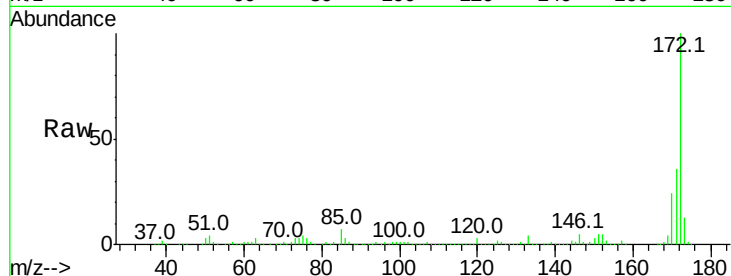




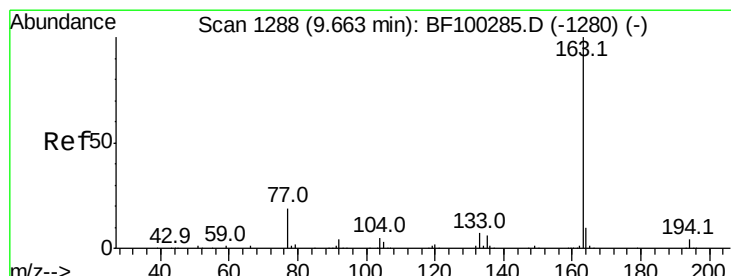
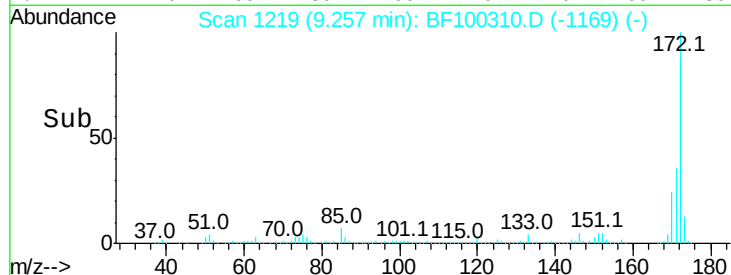
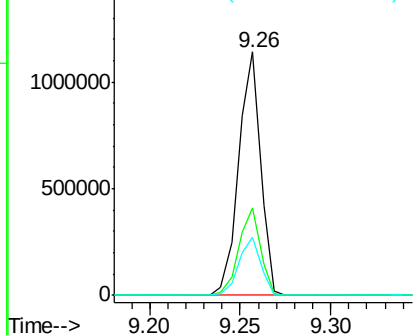
#44  
2-Fluorobiphenyl  
Concen: 57.536 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-5(0-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |

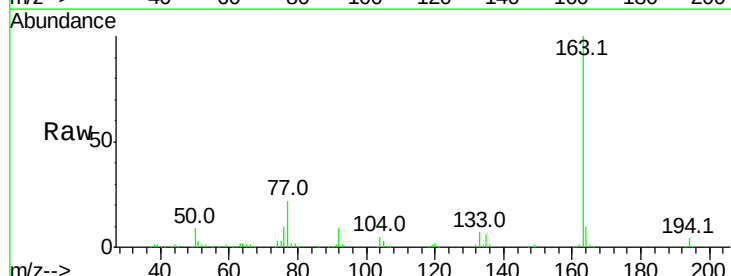


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

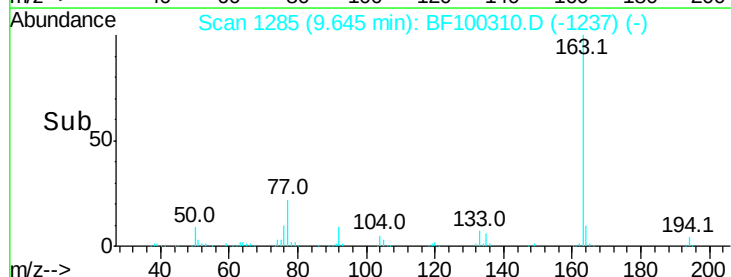
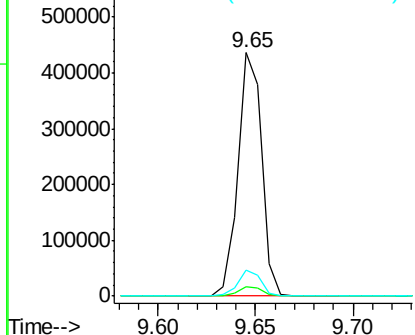


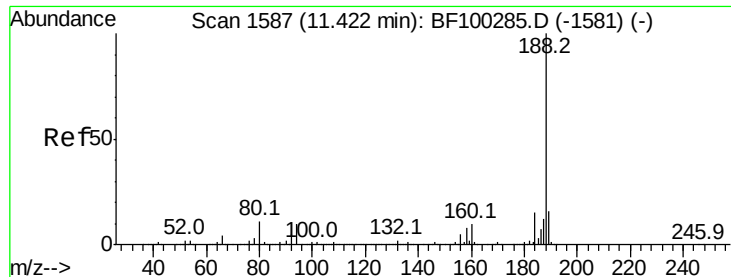
#49  
Dimethylphthalate  
Concen: 18.902 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.02 min  
Lab File: BF100310.D  
Acq: 8 Nov 2017 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 2.7   | 4.1   |
| 164     | 10.4  | 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. -0.00 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(0-5)

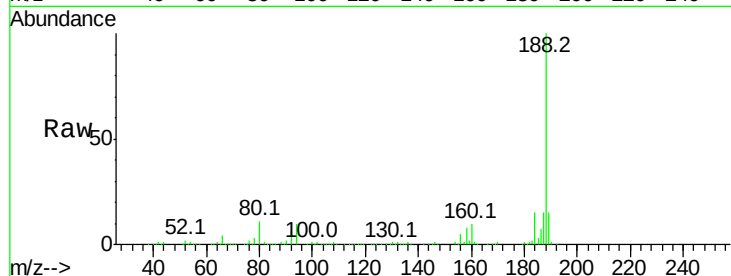
Tot Ion:188 Resp: 389954

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

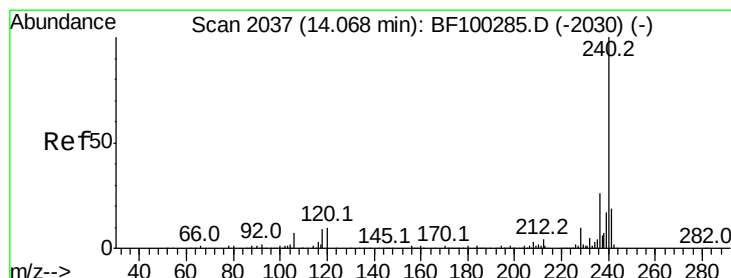
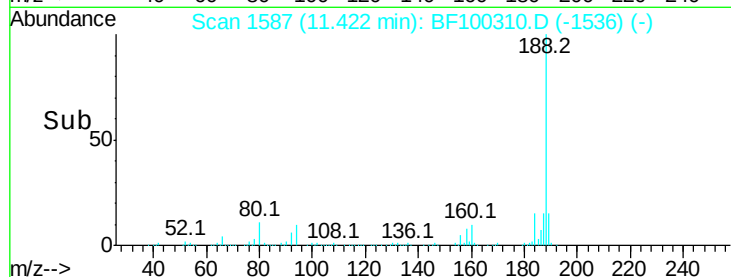
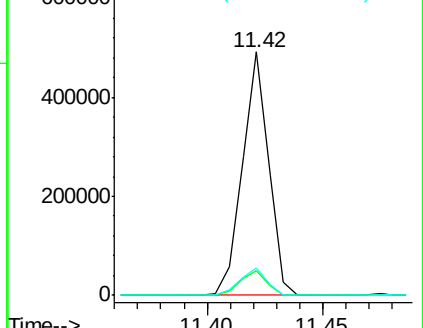
80 11.1 9.2 13.8



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# 2035

Delta R.T. -0.01 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

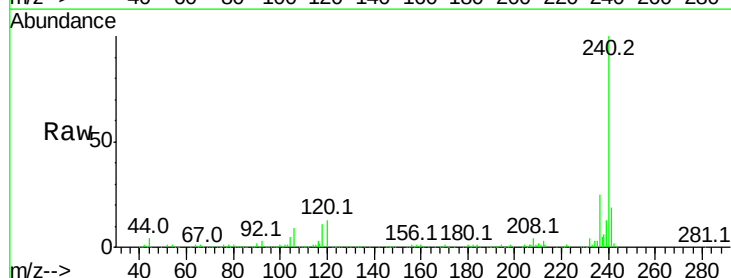
Tgt Ion:240 Resp: 326053

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

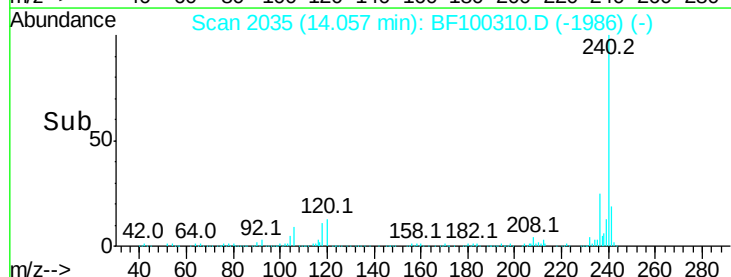
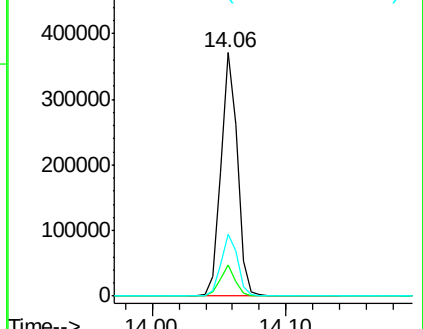
236 25.4 20.7 31.1



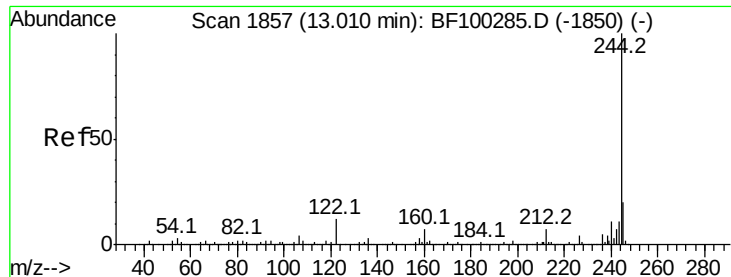
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 42.936 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

EPE-120-5(0-5)

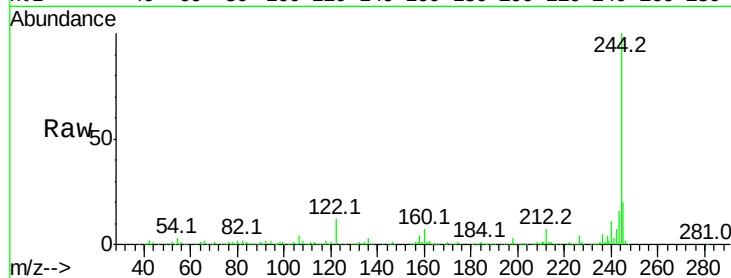
Tot Ion:244 Resp: 609277

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

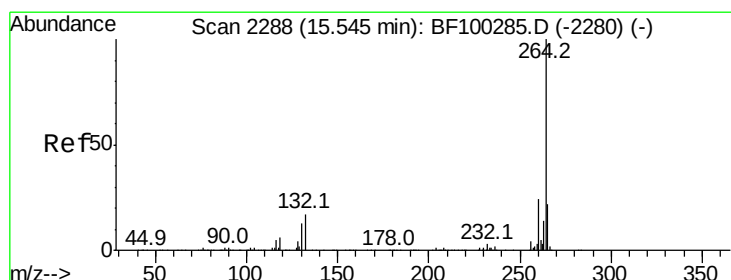
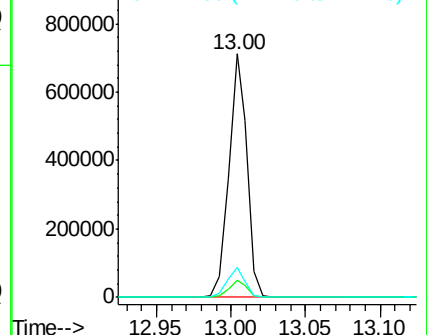
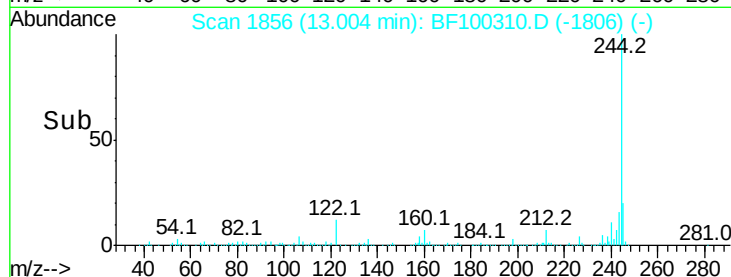
122 12.4 11.0 16.4



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# 2287

Delta R.T. -0.01 min

Lab File: BF100310.D

Acq: 8 Nov 2017 23:40

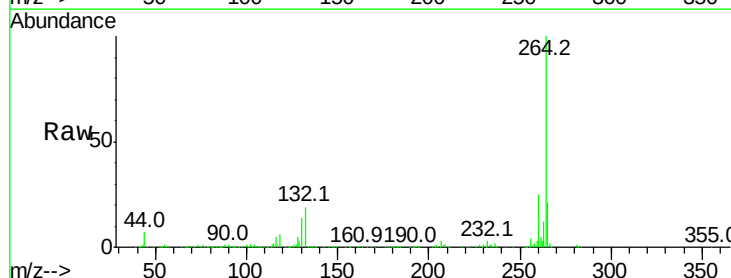
Tgt Ion:264 Resp: 309021

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.5 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

