

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\  
 Data File : BF099059.D  
 Acq On : 4 Oct 2017 4:38  
 Operator : SJ/JU  
 Sample : I5588-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2P-EPE-T8(5-10)

Quant Time: Oct 04 08:38:34 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

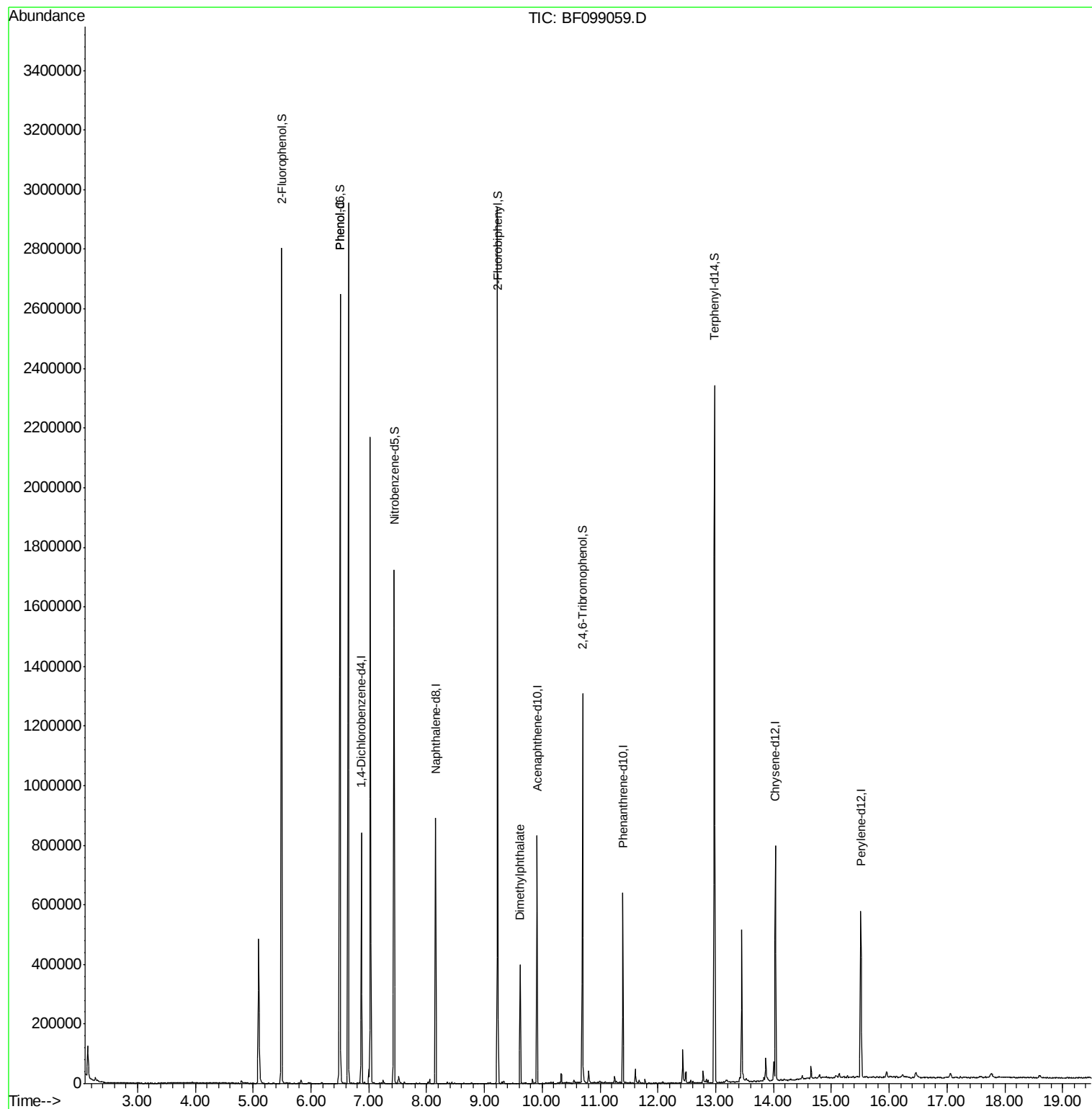
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 114898   | 20.00  | ng    | -0.05       |
| 21) Naphthalene-d8          | 8.16  | 136  | 419320   | 20.00  | ng    | -0.05       |
| 38) Acenaphthene-d10        | 9.91  | 164  | 147119   | 20.00  | ng    | -0.05       |
| 63) Phenanthrene-d10        | 11.39 | 188  | 217890   | 20.00  | ng    | -0.05       |
| 75) Chrysene-d12            | 14.03 | 240  | 230732   | 20.00  | ng    | -0.05       |
| 86) Perylene-d12            | 15.51 | 264  | 228203   | 20.00  | ng    | -0.06       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.49  | 112  | 855979   | 118.60 | ng    | -0.05       |
| 7) Phenol-d6                | 6.50  | 99   | 1030012  | 115.68 | ng    | -0.04       |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 589270   | 90.12  | ng    | -0.05       |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 135186   | 112.30 | ng    | -0.05       |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 912774   | 103.58 | ng    | -0.05       |
| 78) Terphenyl-d14           | 12.98 | 244  | 686285   | 67.64  | ng    | -0.05       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.51  | 94   | 26088    | 2.620  | ng    | Qvalue # 61 |
| 49) Dimethylphthalate       | 9.62  | 163  | 159342   | 14.350 | ng    | 99          |

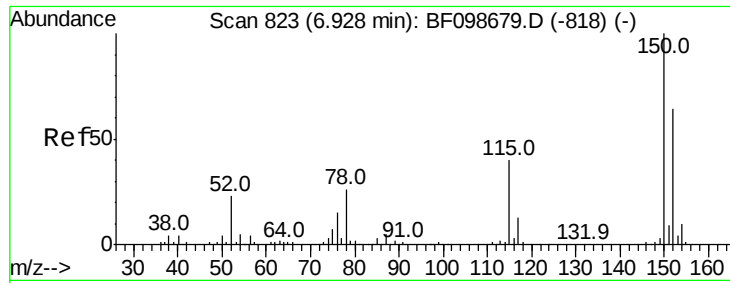
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\  
Data File : BF099059.D  
Acq On : 4 Oct 2017 4:38  
Operator : SJ/JU  
Sample : I5588-04  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SASP2P-EPE-T8(5-10)

Quant Time: Oct 04 08:38:34 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 23 13:50:58 2017  
Response via : Initial Calibration



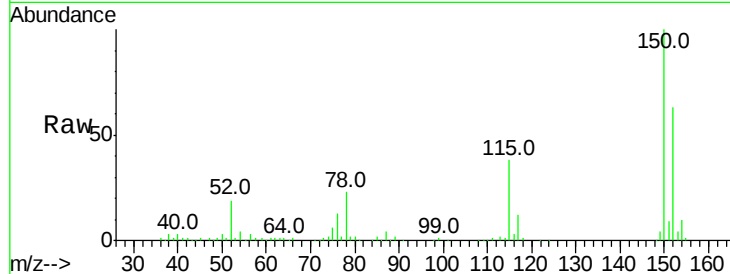


#1

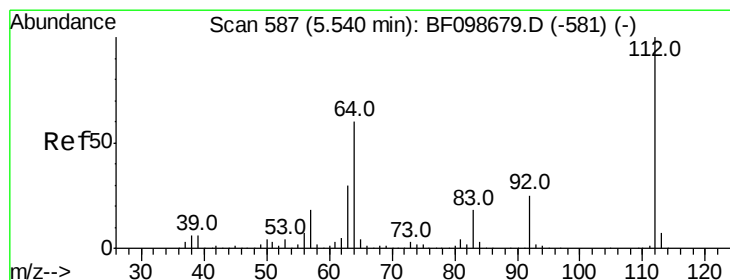
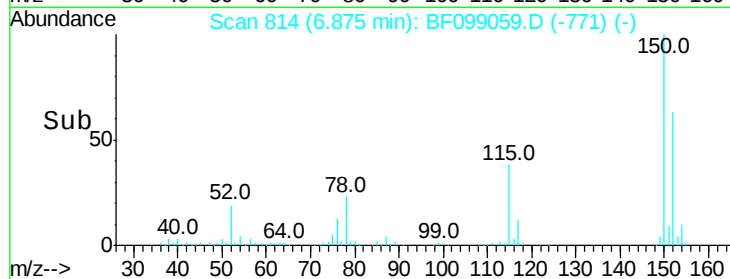
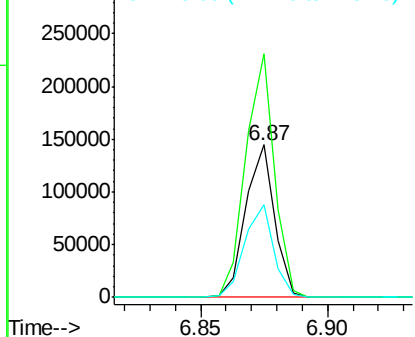
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 814  
 Delta R.T. -0.05 min  
 Lab File: BF099059.D  
 Acq: 4 Oct 2017 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2P-EPE-T8(5-10)

Tot Ion:152 Resp: 114898  
 Ion Ratio Lower Upper  
 152 100  
 150 159.9 124.6 186.8  
 115 60.9 50.1 75.1



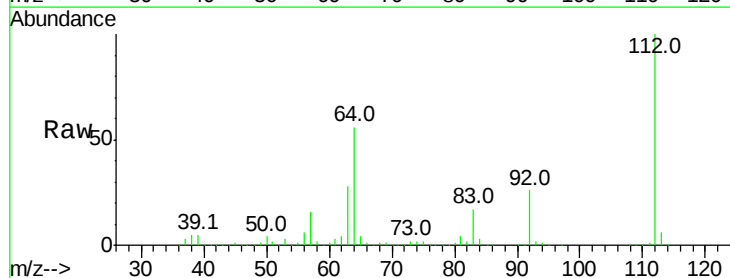
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



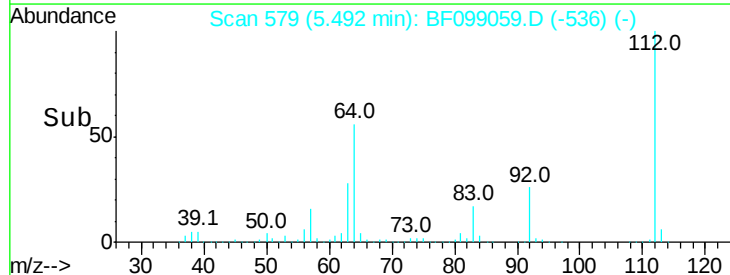
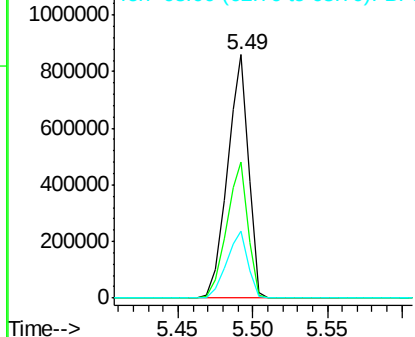
#5

2-Fluorophenol  
 Concen: 118.595 ng  
 RT: 5.49 min Scan# 579  
 Delta R.T. -0.05 min  
 Lab File: BF099059.D  
 Acq: 4 Oct 2017 4:38

Tgt Ion:112 Resp: 855979  
 Ion Ratio Lower Upper  
 112 100  
 64 55.8 47.9 71.9  
 63 27.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.682 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

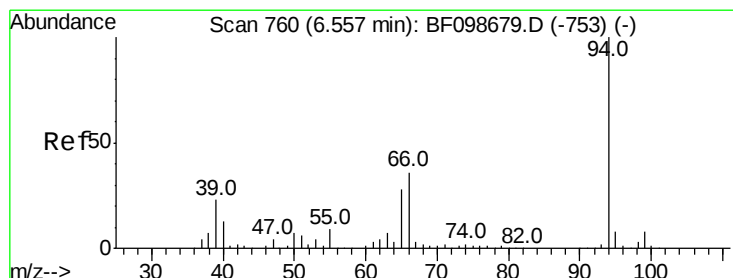
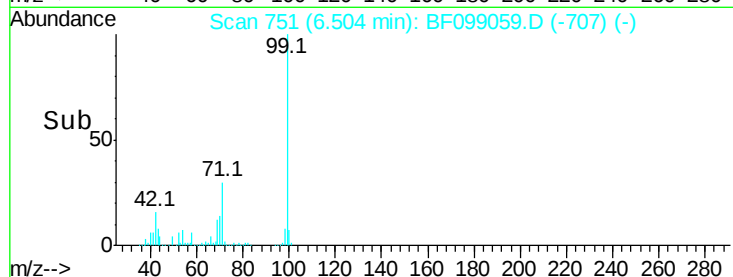
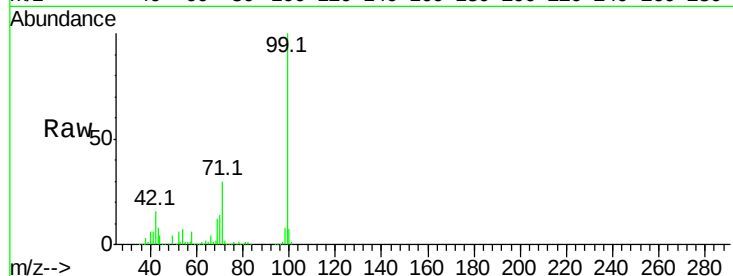
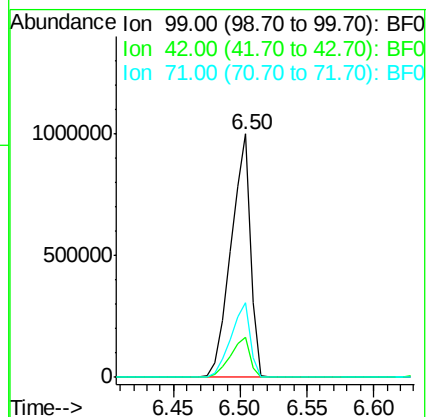
BNA\_F

ClientSampleId :

SASP2P-EPE-T8(5-10)

Tot Ion: 99 Resp: 1030012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 14.5  | 21.7  |
| 71  | 30.5  | 25.4  | 38.0  |



#10

Phenol

Concen: 2.620 ng

RT: 6.51 min Scan# 752

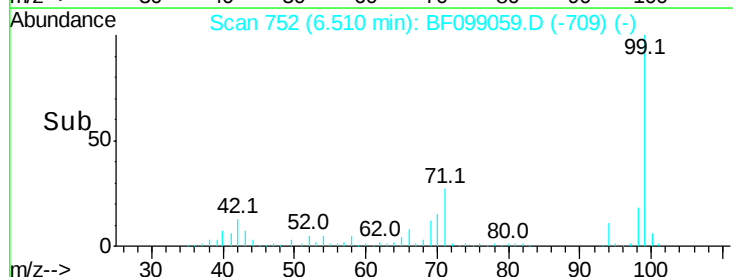
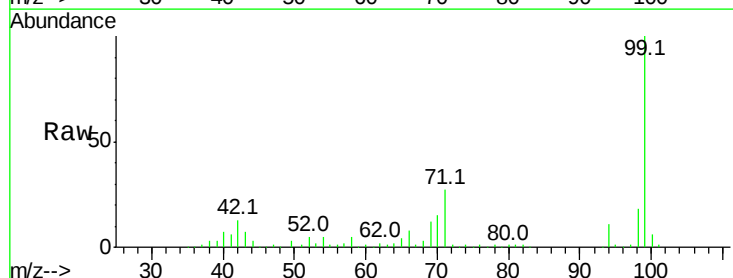
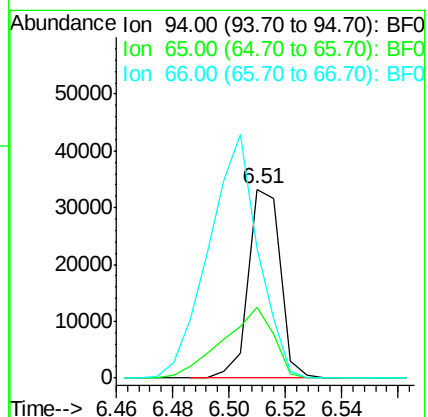
Delta R.T. -0.05 min

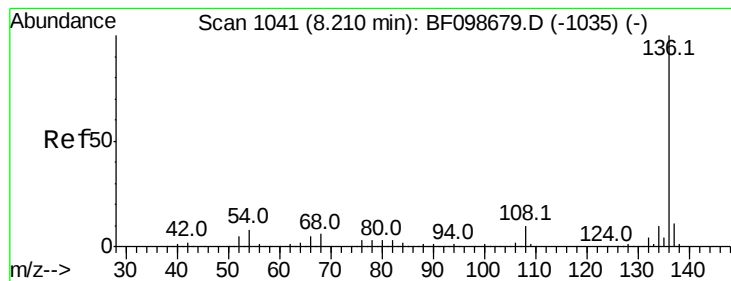
Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Tgt Ion: 94 Resp: 26088

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 37.2  | 7.9   | 47.9  |
| 66  | 68.5  | 16.2  | 56.2  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA\_F

ClientSampleId :

SASP2P-EPE-T8(5-10)

Tot Ion:136 Resp: 419320

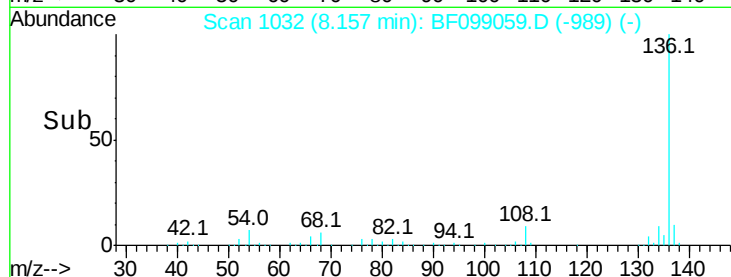
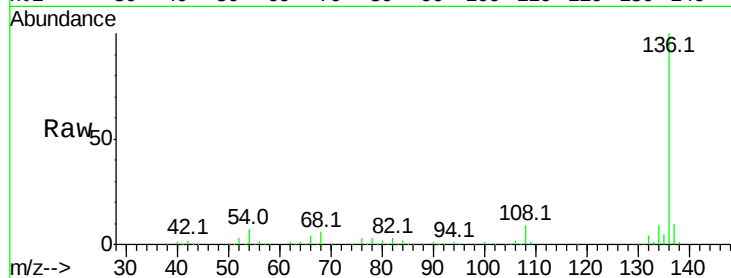
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.7 6.6 9.8

68 5.7 5.0 7.4

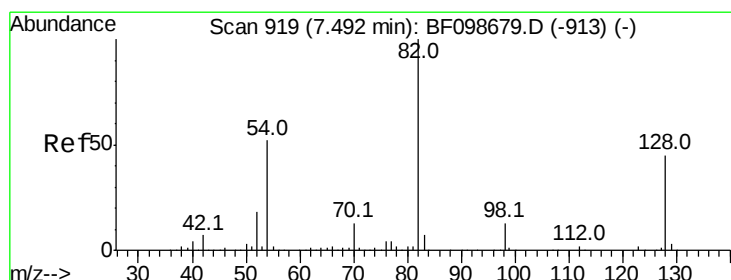
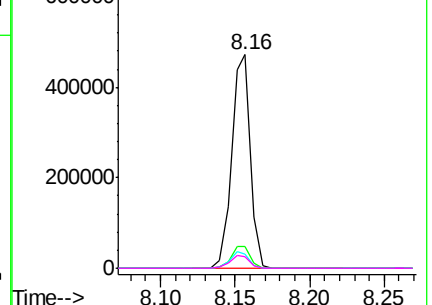


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 90.122 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

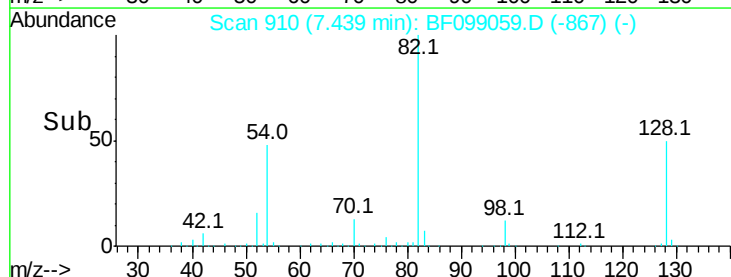
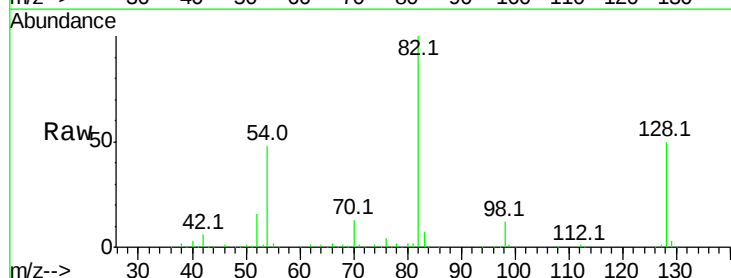
Tgt Ion: 82 Resp: 589270

Ion Ratio Lower Upper

82 100

128 49.6 36.1 54.1

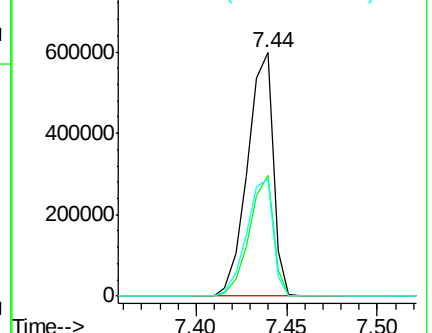
54 48.1 41.4 62.2

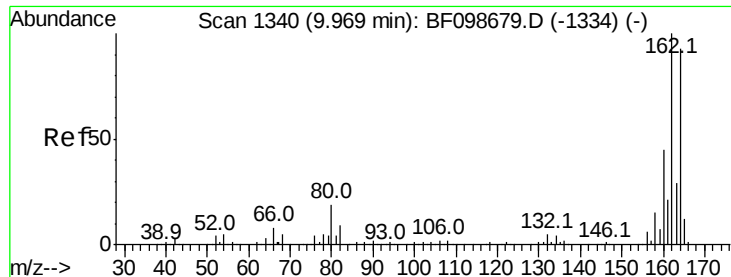


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

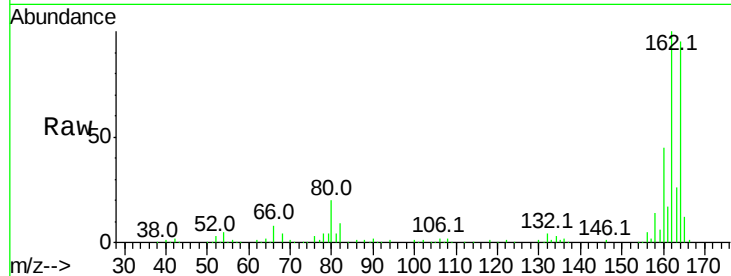




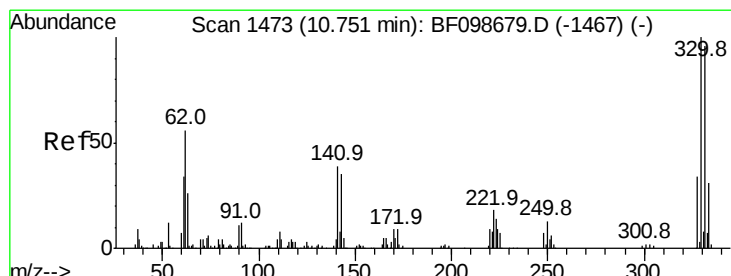
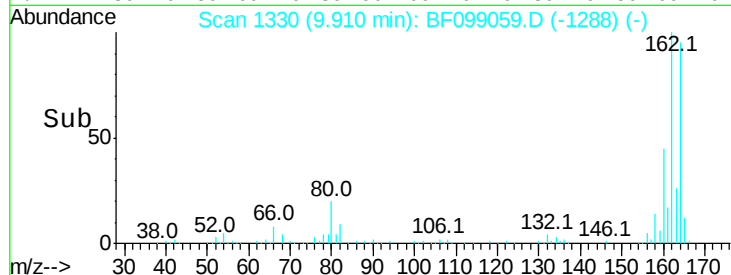
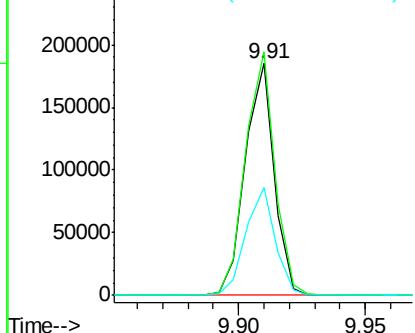
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.05 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
SASP2P-EPE-T8(5-10)

Tot Ion:164 Resp: 147119  
Ion Ratio Lower Upper  
164 100  
162 105.2 86.1 129.1  
160 46.8 38.3 57.5

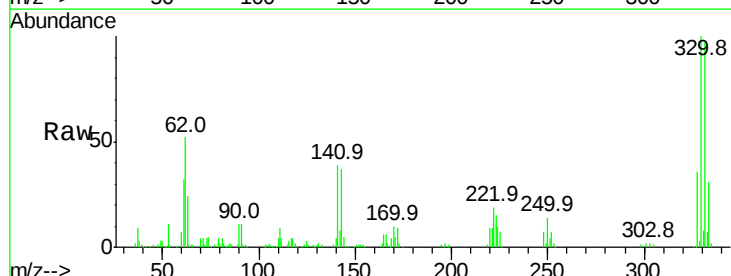


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

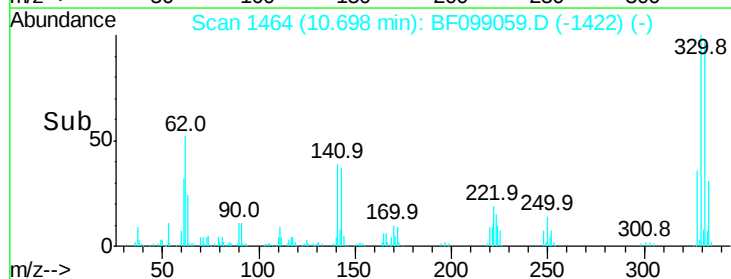
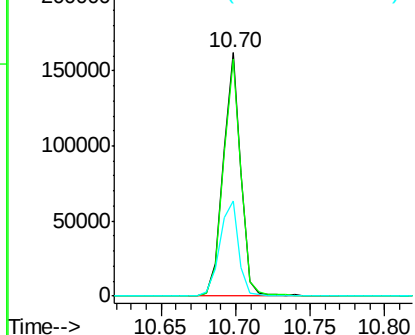


#41  
2,4,6-Tribromophenol  
Concen: 112.296 ng  
RT: 10.70 min Scan# 1464  
Delta R.T. -0.05 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

Tgt Ion:330 Resp: 135186  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.0 115.6  
141 41.8 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

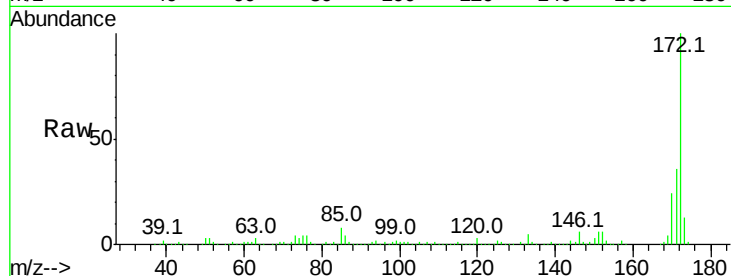




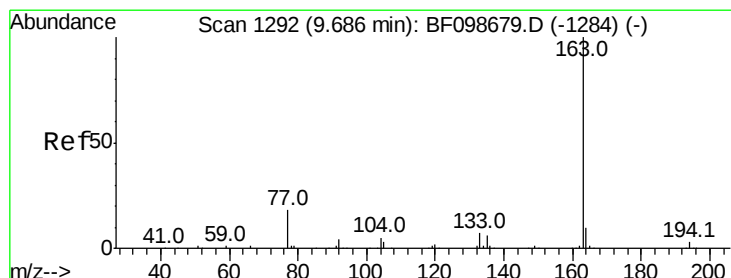
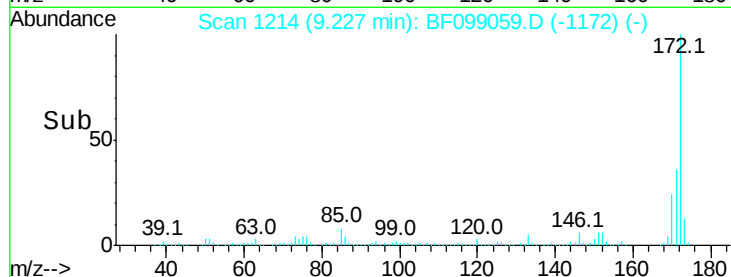
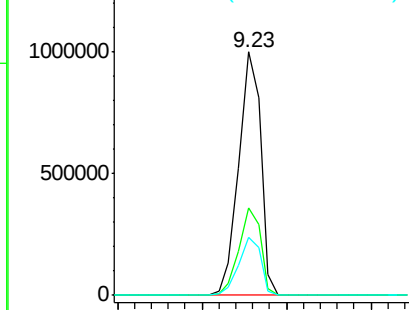
#44  
2-Fluorobiphenyl  
Concen: 103.576 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. -0.05 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
SASP2P-EPE-T8(5-10)

Tot Ion:172 Resp: 912774  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.7 44.5  
170 24.0 19.6 29.4

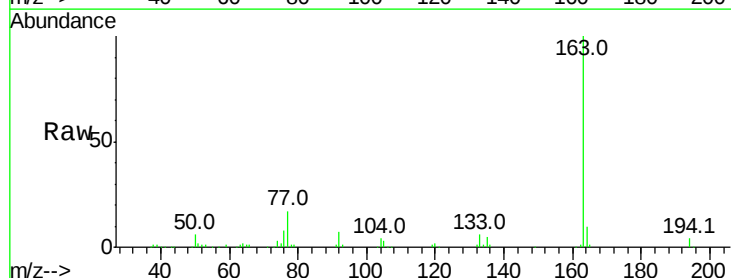


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

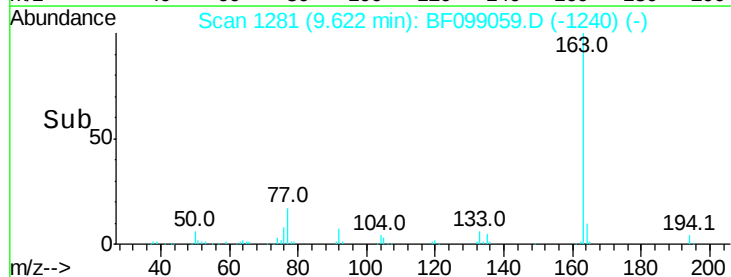
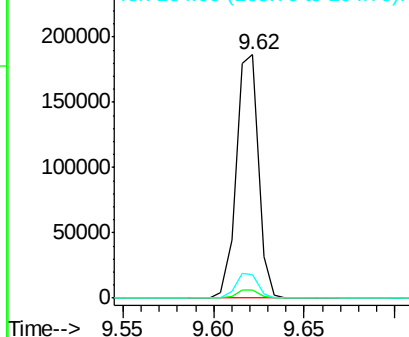


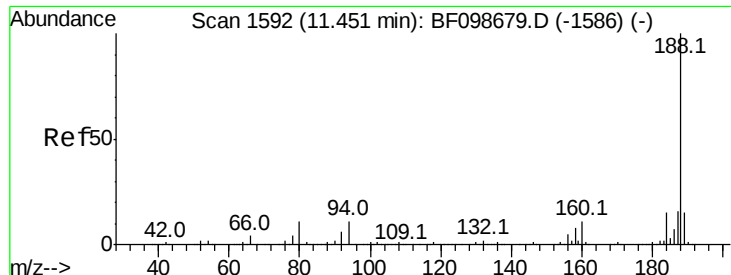
#49  
Dimethylphthalate  
Concen: 14.350 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.06 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

Tgt Ion:163 Resp: 159342  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 9.5 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

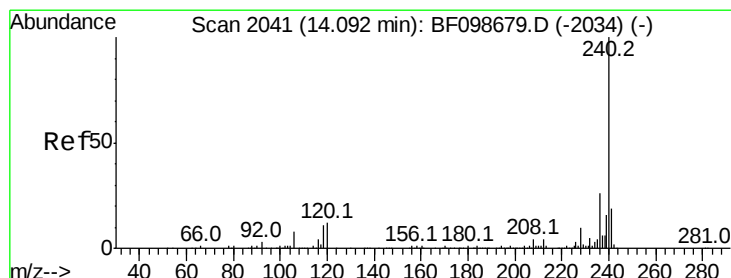
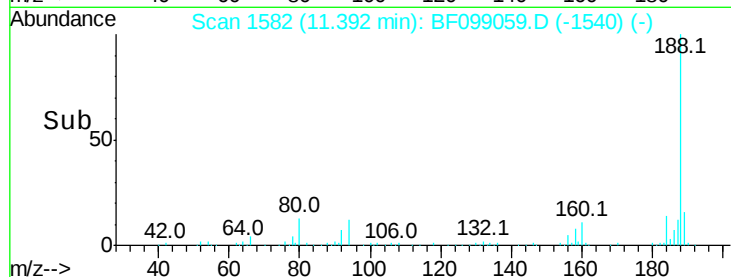
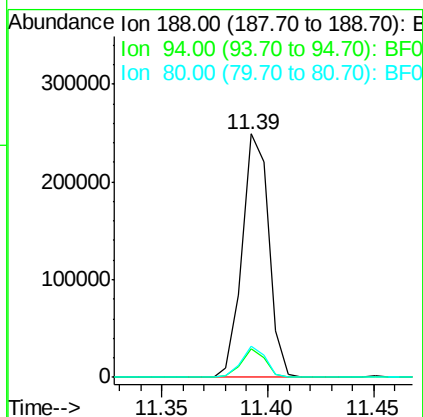
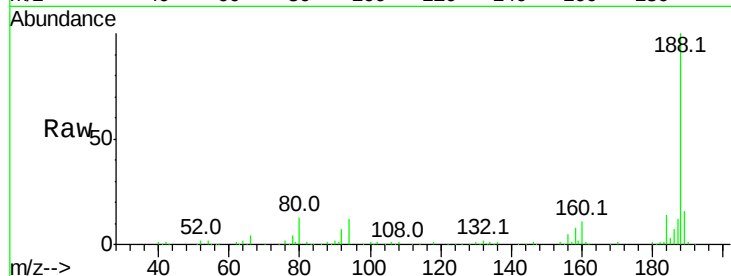




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.05 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

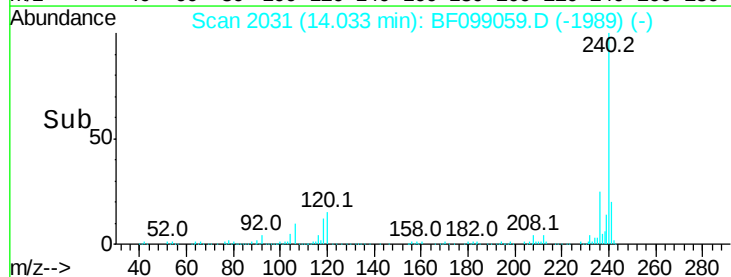
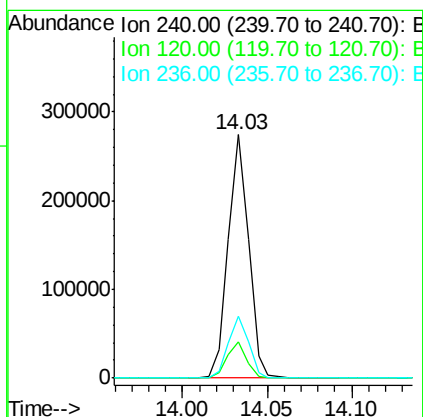
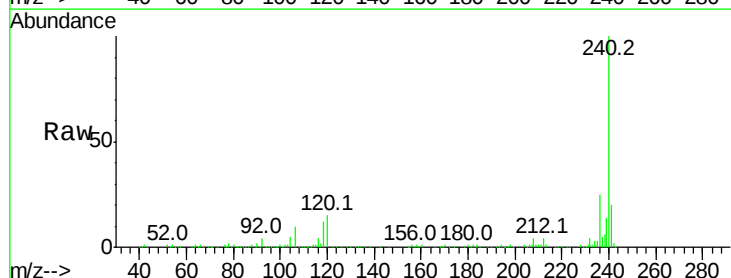
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2P-EPE-T8(5-10)

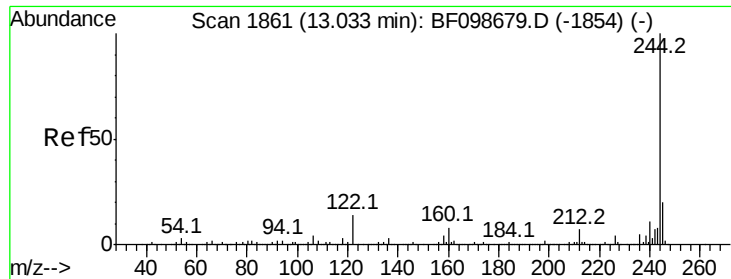
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.5  | 8.5   | 12.7  |
| 80      | 12.6  | 9.2   | 13.8  |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.05 min  
Lab File: BF099059.D  
Acq: 4 Oct 2017 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.6  | 9.5   | 14.3# |
| 236     | 25.4  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 67.643 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA\_F

ClientSampleId :

SASP2P-EPE-T8(5-10)

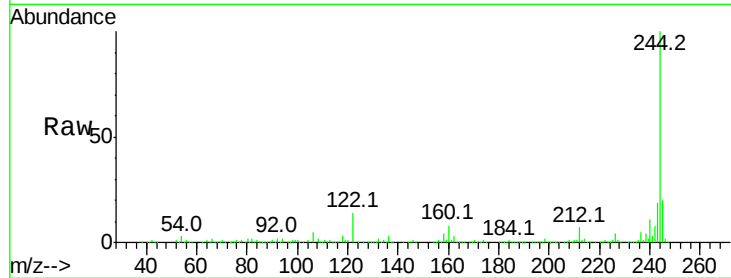
Tot Ion:244 Resp: 686285

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

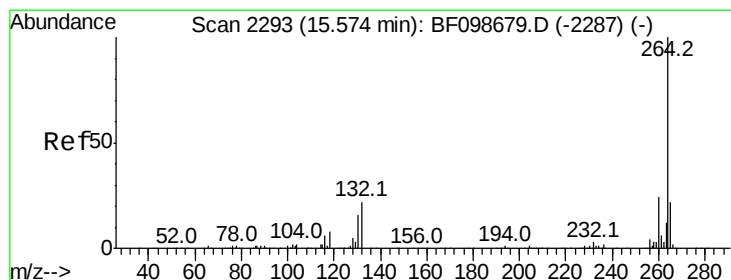
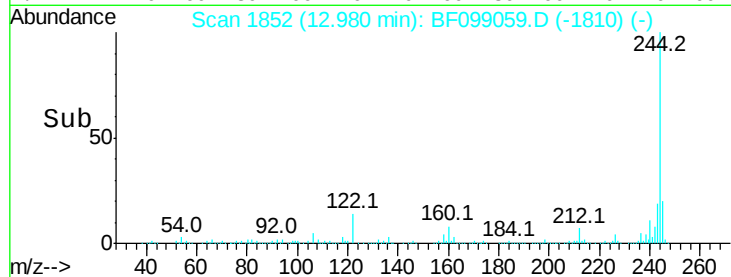
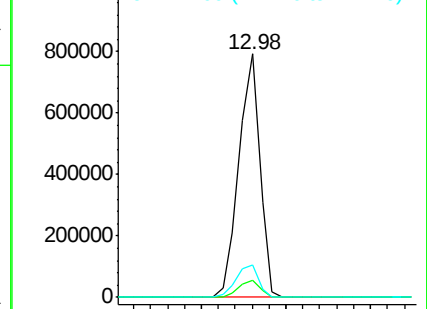
122 13.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.06 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

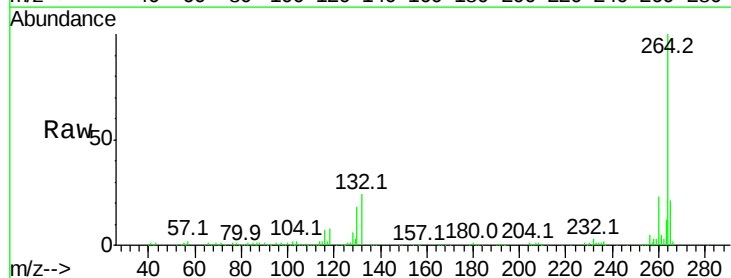
Tgt Ion:264 Resp: 228203

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.8 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

