

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\  
 Data File : BF099367.D  
 Acq On : 12 Oct 2017 1:52  
 Operator : SJ/JU  
 Sample : I5710-12  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2B

Quant Time: Oct 12 02:28:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 16:25:21 2017  
 Response via : Initial Calibration

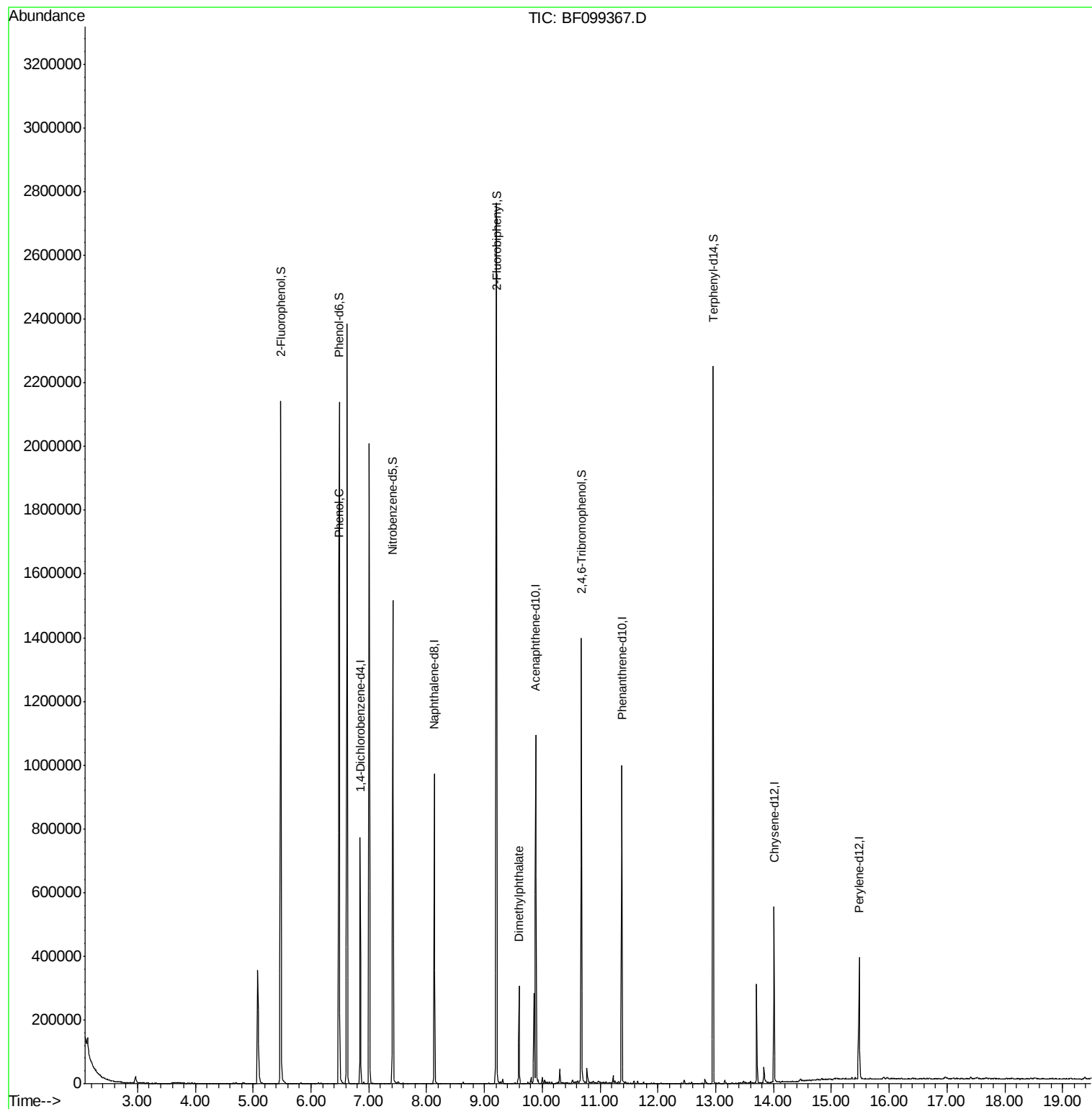
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 109628   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 440983   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 198519   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 336017   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.01 | 240  | 170672   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.48 | 264  | 169055   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 721221   | 104.73 | ng    | 0.01     |
| 7) Phenol-d6                | 6.49  | 99   | 872130   | 102.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 518342   | 75.38  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 170010   | 104.66 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 966868   | 81.31  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 707712   | 94.30  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.50  | 94   | 25002    | 2.631  | ng    | 95       |
| 49) Dimethylphthalate       | 9.60  | 163  | 115532   | 7.711  | ng    | 100      |

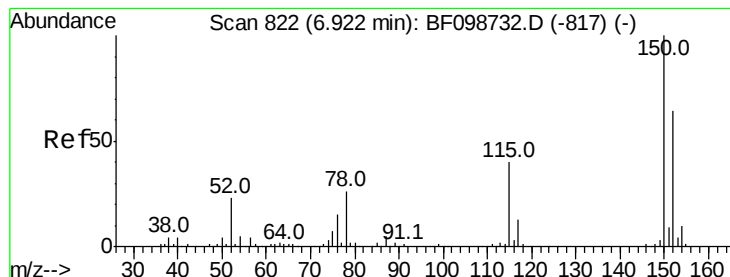
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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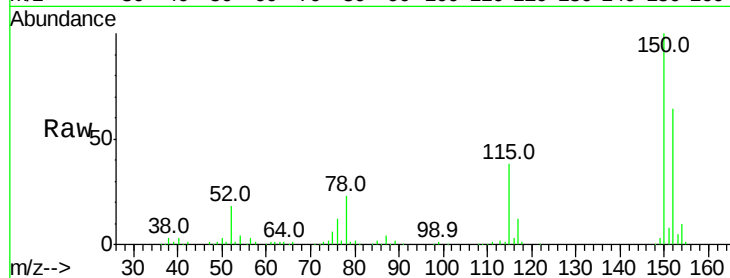


#1

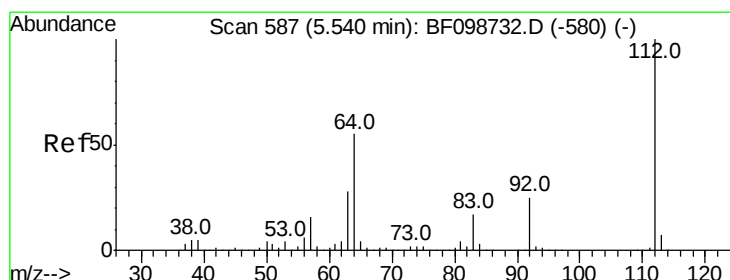
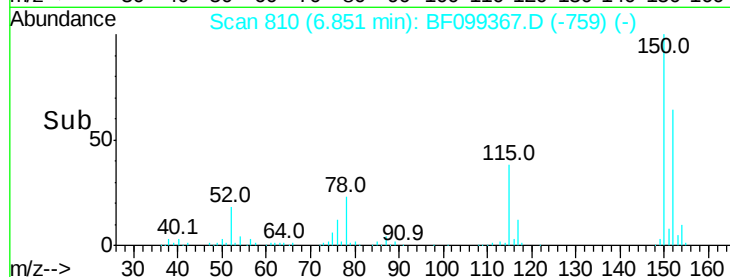
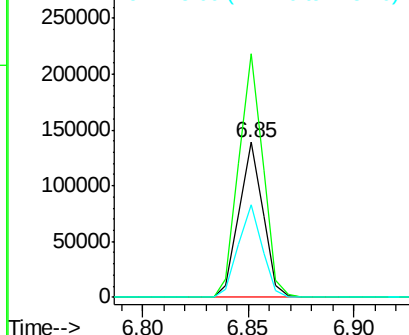
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

Instrument :  
BNA\_F  
ClientSampleId :  
B-2B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 124.6 | 186.8 |
| 115     | 60.0  | 50.1  | 75.1  |



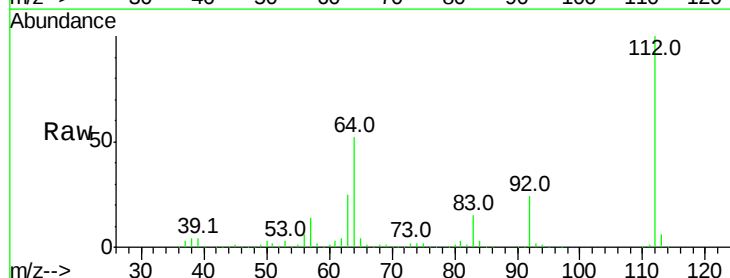
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



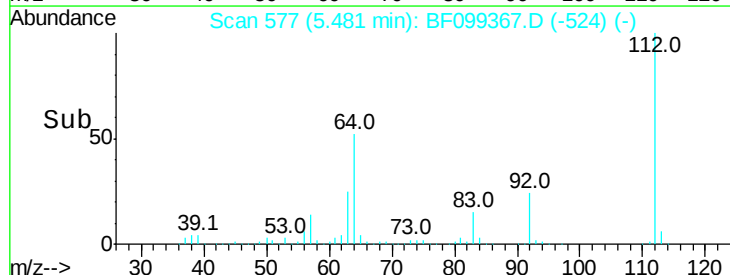
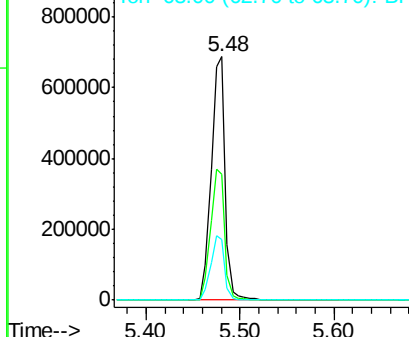
#5

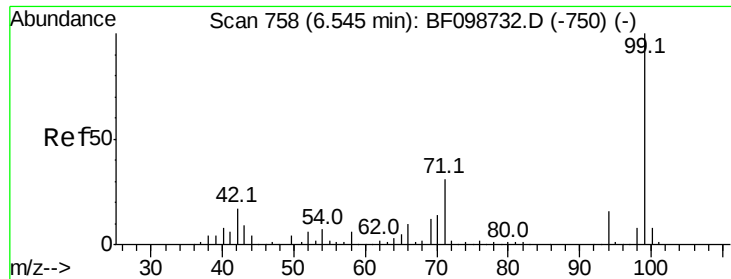
2-Fluorophenol  
Concen: 104.728 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.6  | 47.9  | 71.9  |
| 63      | 25.0  | 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: 102.659 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099367.D

Acq: 12 Oct 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B-2B

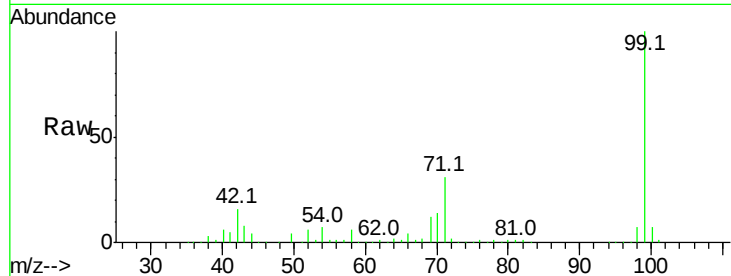
Tot Ion: 99 Resp: 872130

Ion Ratio Lower Upper

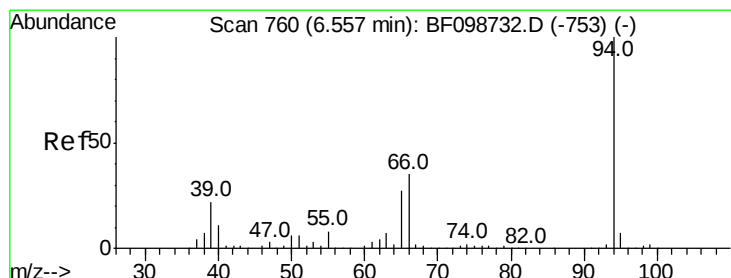
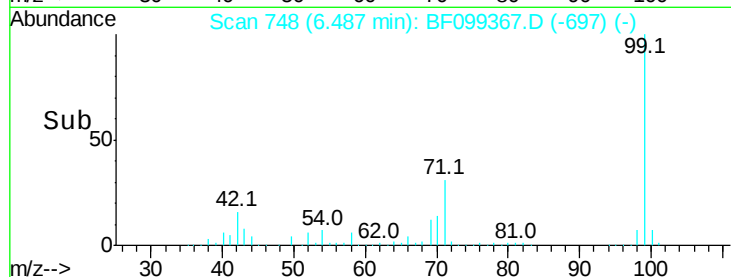
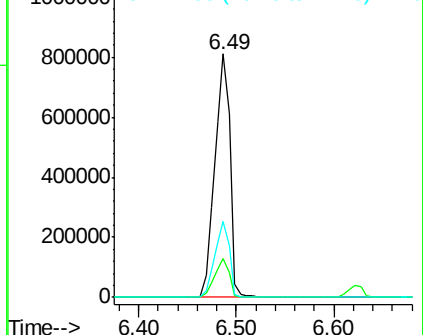
99 100

42 15.9 14.5 21.7

71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.631 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099367.D

Acq: 12 Oct 2017 1:52

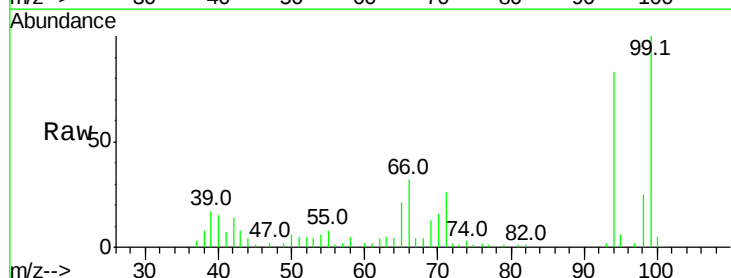
Tgt Ion: 94 Resp: 25002

Ion Ratio Lower Upper

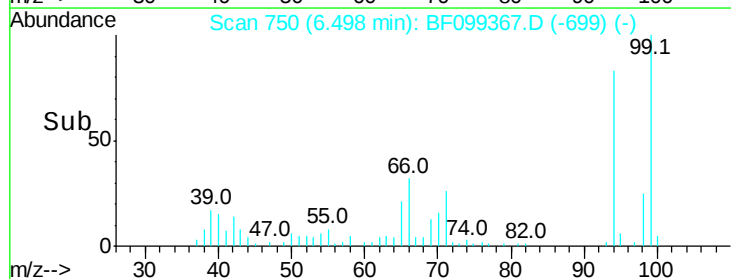
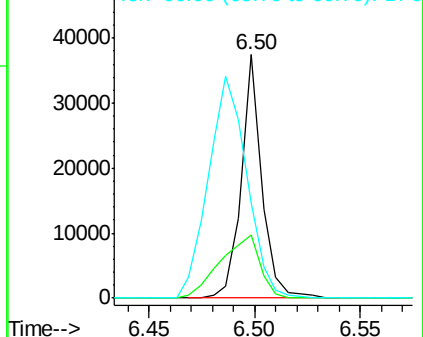
94 100

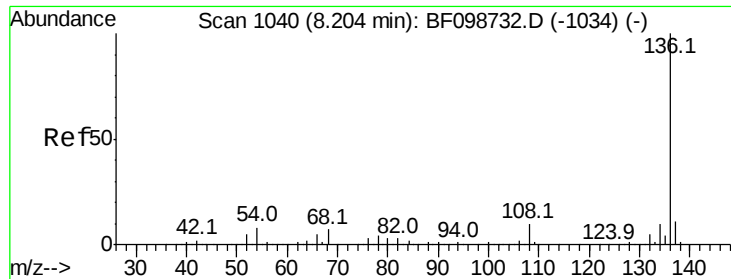
65 25.7 7.9 47.9

66 39.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0

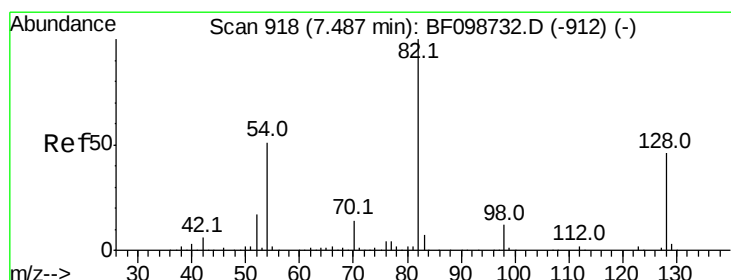
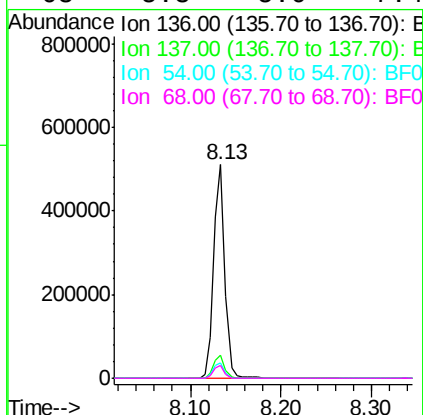
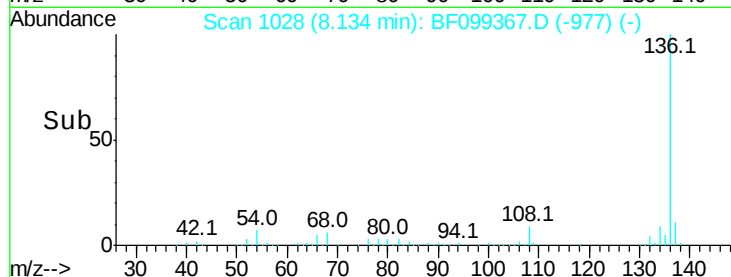
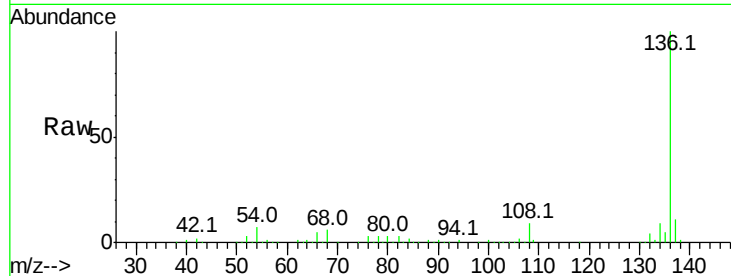




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

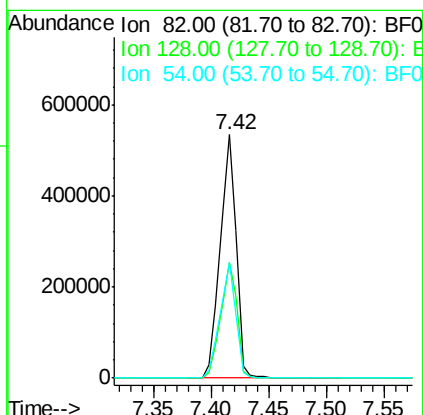
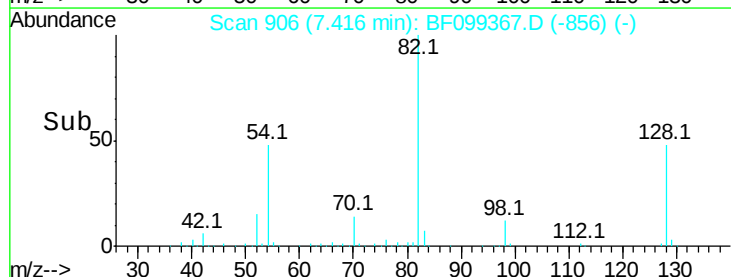
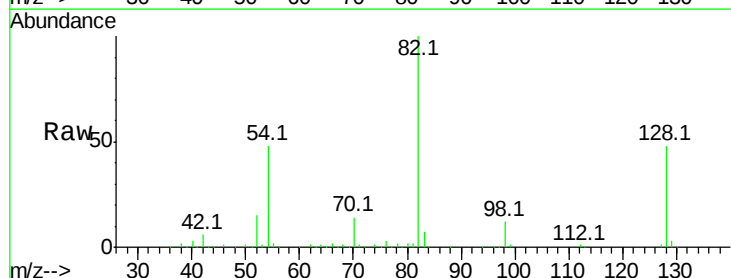
Instrument :  
BNA\_F  
ClientSampleId :  
B-2B

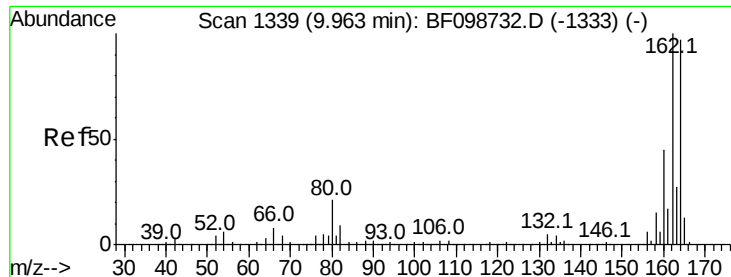
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 440983 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 7.0   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 75.380 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 518342 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.7  | 36.1  | 54.1   |
| 54       | 47.6  | 41.4  | 62.2   |

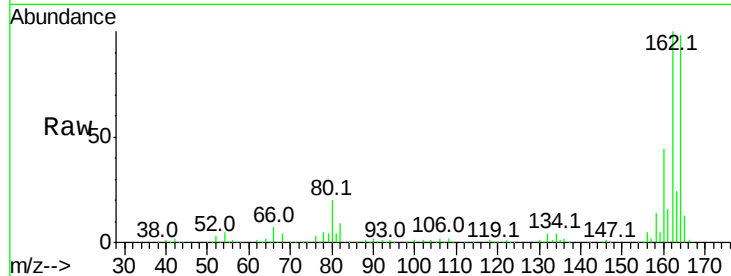




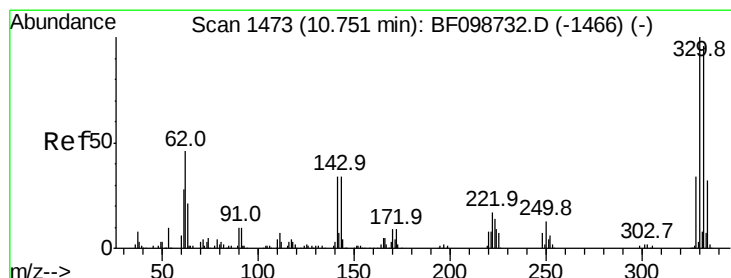
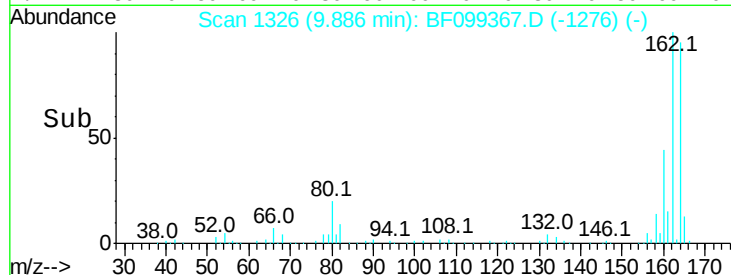
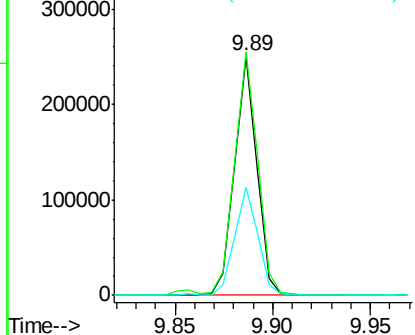
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.01 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

Instrument :  
BNA\_F  
ClientSampleId :  
B-2B

Tot Ion:164 Resp: 198519  
Ion Ratio Lower Upper  
164 100  
162 102.0 86.1 129.1  
160 45.2 38.3 57.5

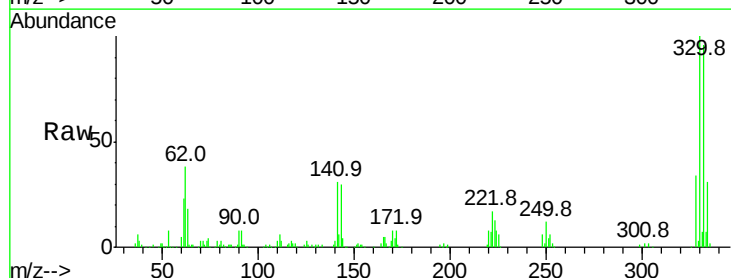


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

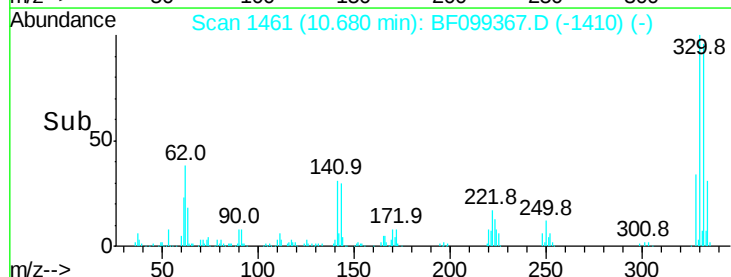
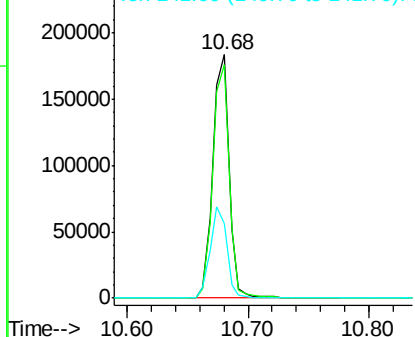


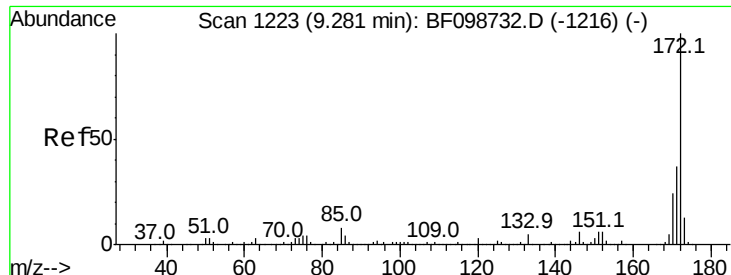
#41  
2,4,6-Tribromophenol  
Concen: 104.659 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. 0.00 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

Tgt Ion:330 Resp: 170010  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 38.4 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

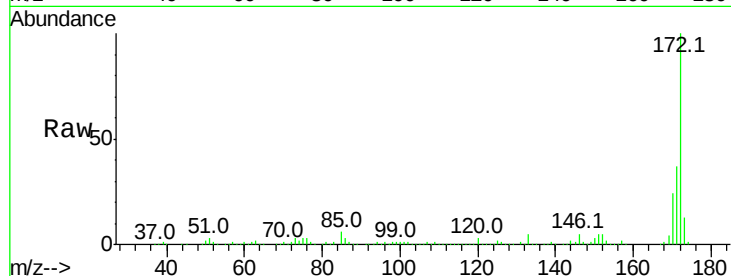




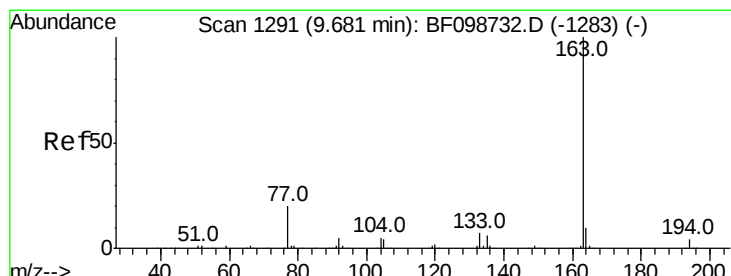
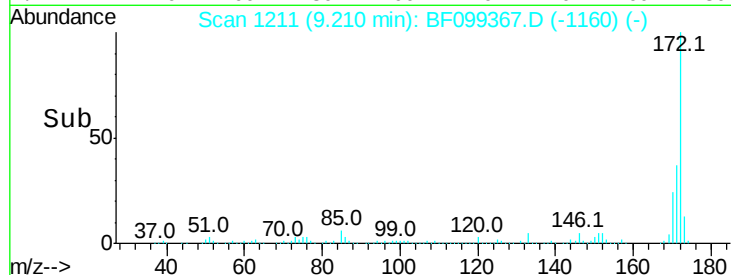
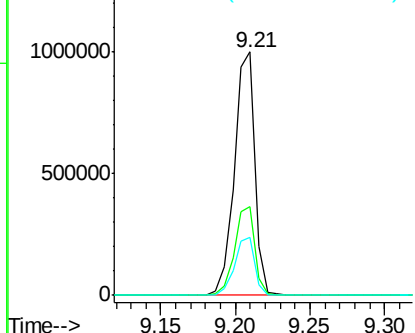
#44  
2-Fluorobiphenyl  
Concen: 81.307 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

Instrument :  
BNA\_F  
ClientSampleId :  
B-2B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 23.8  | 19.6  | 29.4  |

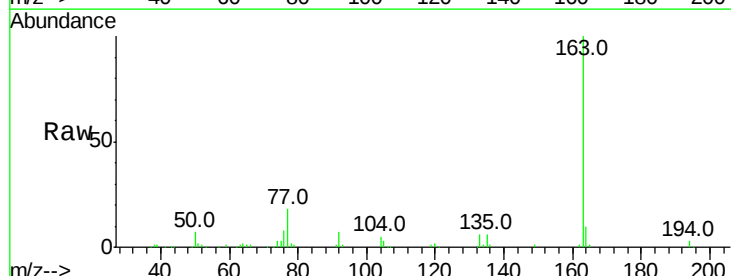


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

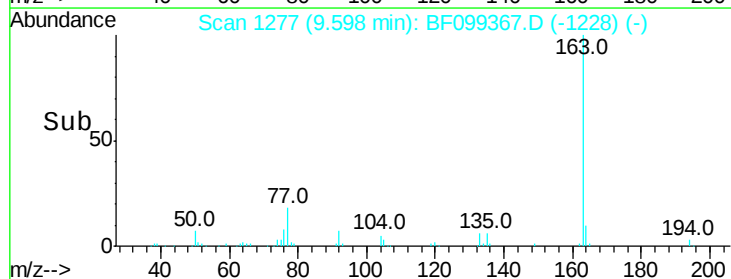
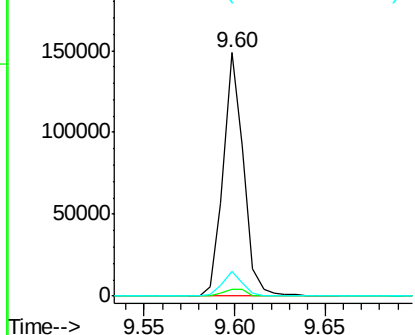


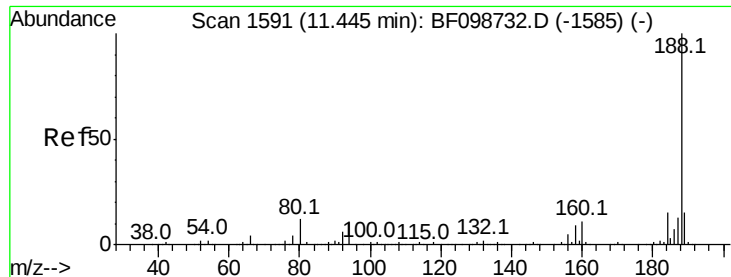
#49  
Dimethylphthalate  
Concen: 7.711 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 2.9   | 2.7   | 4.1   |
| 164     | 10.3  | 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

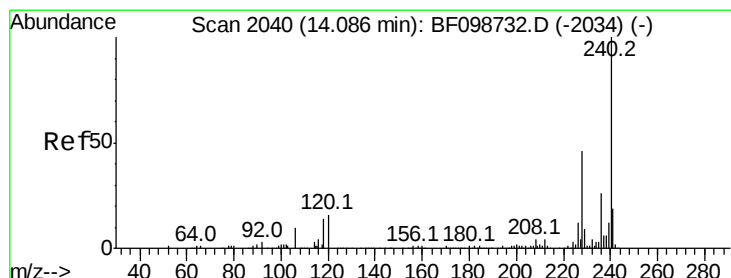
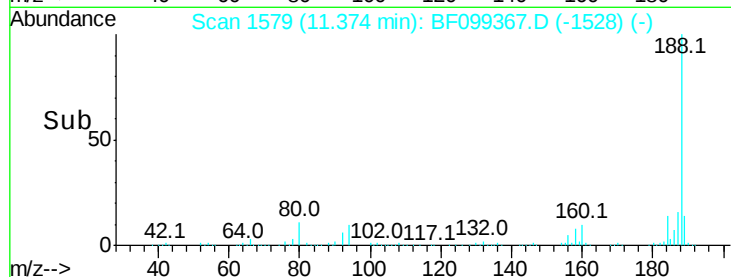
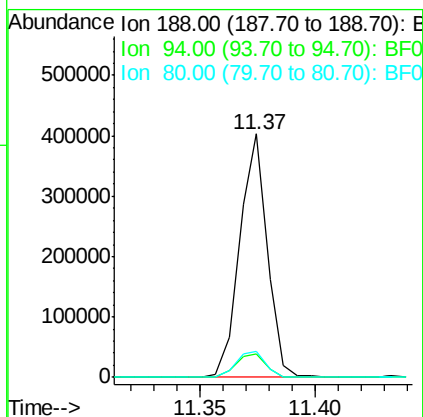
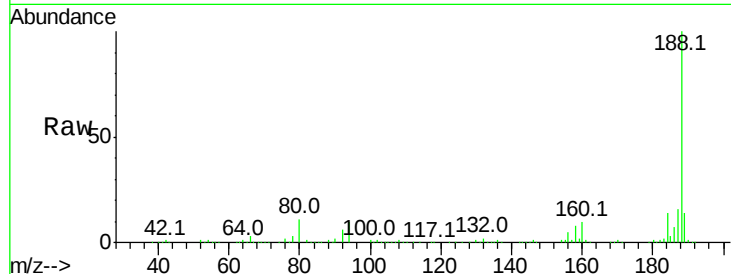




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

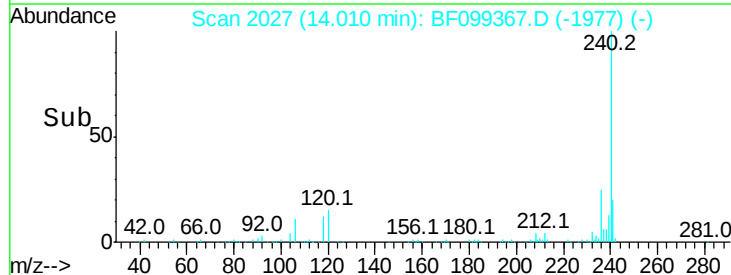
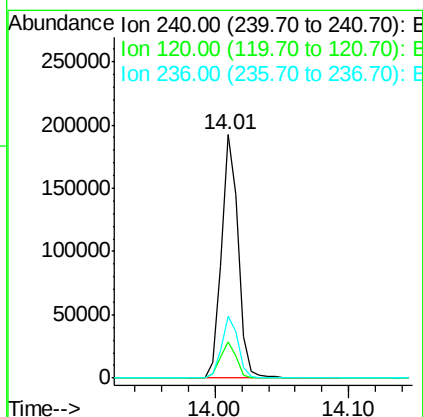
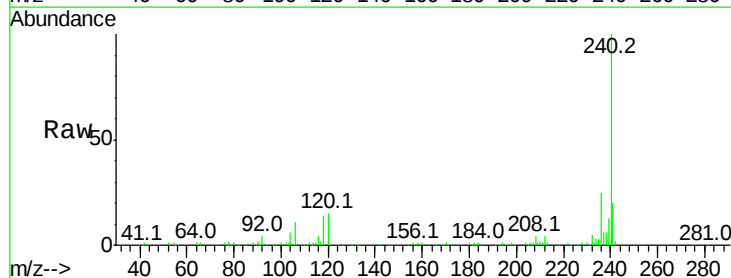
Instrument :  
BNA\_F  
ClientSampled :  
B-2B

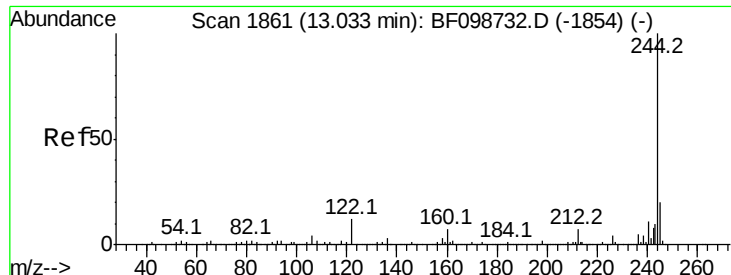
Tot Ion:188 Resp: 336017  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.5 12.7  
80 10.5 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF099367.D  
Acq: 12 Oct 2017 1:52

Tgt Ion:240 Resp: 170672  
Ion Ratio Lower Upper  
240 100  
120 14.9 9.5 14.3#  
236 25.5 20.7 31.1





#78

Terphenyl-d14

Concen: 94.303 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099367.D

Acq: 12 Oct 2017 1:52

Instrument :

BNA\_F

ClientSampled :

B-2B

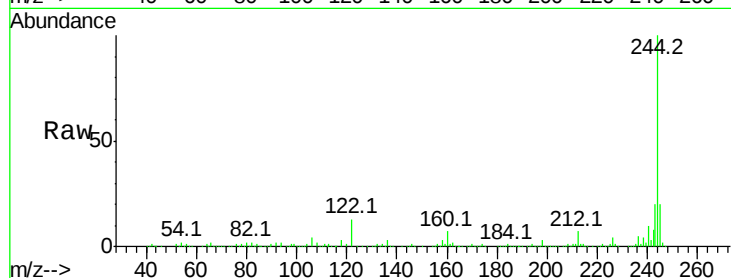
Tot Ion:244 Resp: 707712

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

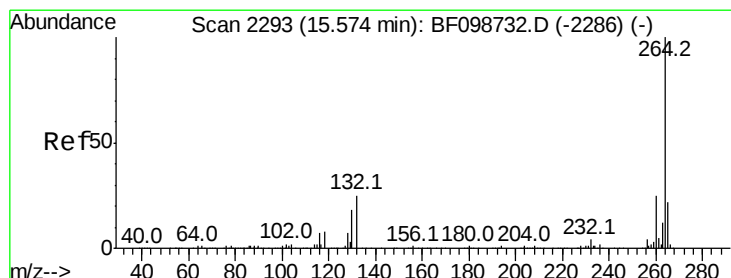
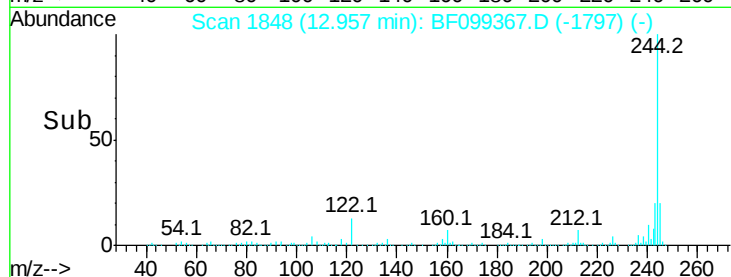
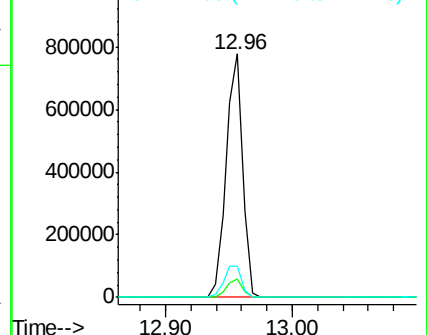
122 13.0 11.0 16.4



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: 15.48 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BF099367.D

Acq: 12 Oct 2017 1:52

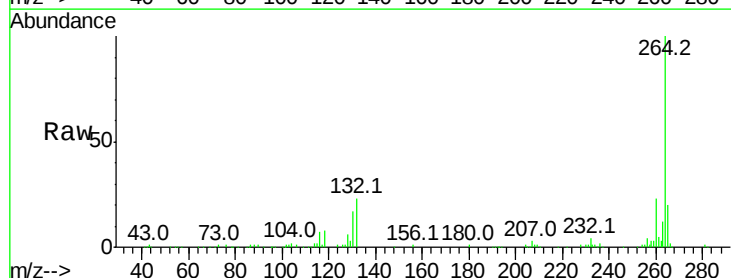
Tgt Ion:264 Resp: 169055

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.1 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

