

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091917\  
 Data File : BF098644.D  
 Acq On : 19 Sep 2017 16:37  
 Operator : SJ/JU  
 Sample : I5113-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RL-1-0-12.25-SPLP

Quant Time: Sep 20 01:19:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 18 13:37:24 2017  
 Response via : Initial Calibration

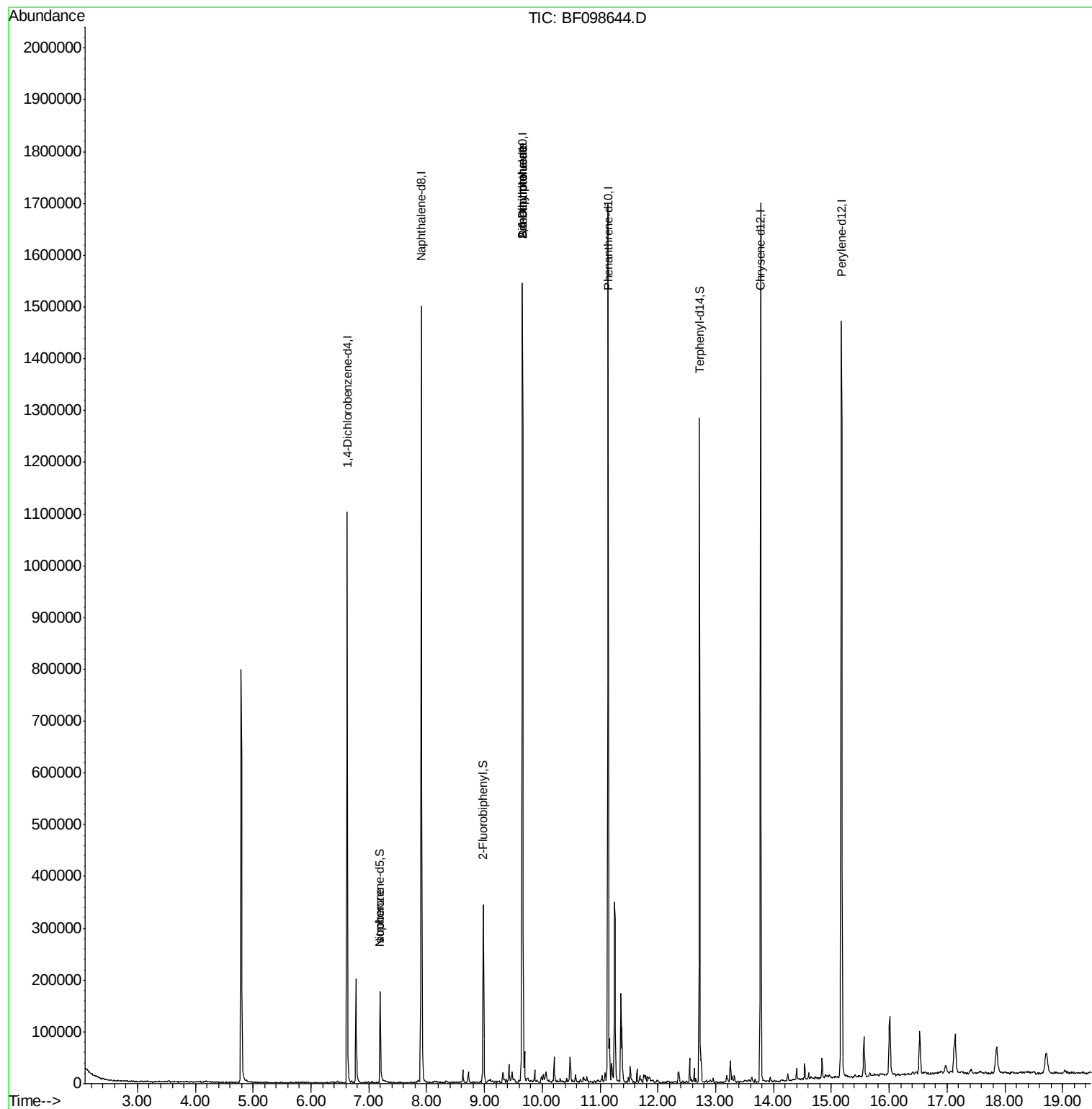
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 156808   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.91  | 136  | 697800   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.66  | 164  | 327074   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.14 | 188  | 658029   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.78 | 240  | 580366   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.17 | 264  | 612218   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 6.35  | 99   | 1220     | 0.09  | ng    | 0.05     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 70160    | 5.61  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 117415   | 6.08  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.72 | 244  | 367447   | 13.67 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.19  | 82   | 70160    | 2.77  | ng    | # 67     |
| 49) Dimethylphthalate       | 9.66  | 163  | 95304    | 3.76  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene      | 9.66  | 165  | 41660    | 8.01  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene      | 9.66  | 165  | 41660    | 6.59  | ng    | # 33     |

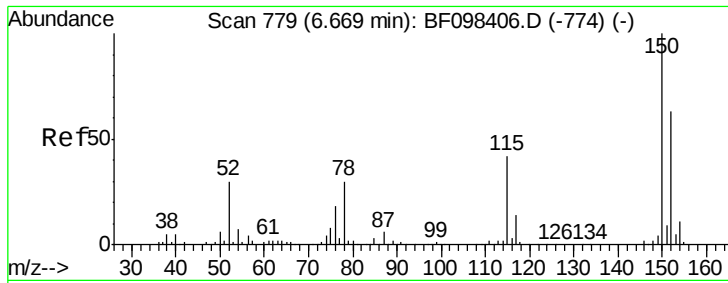
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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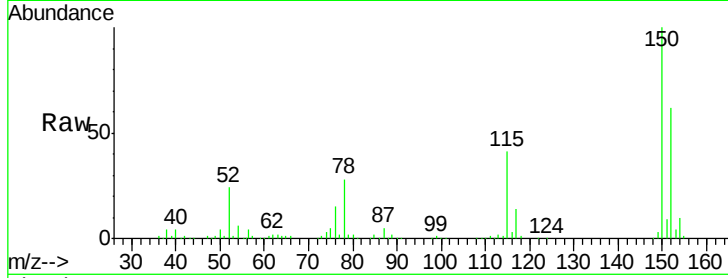


#1

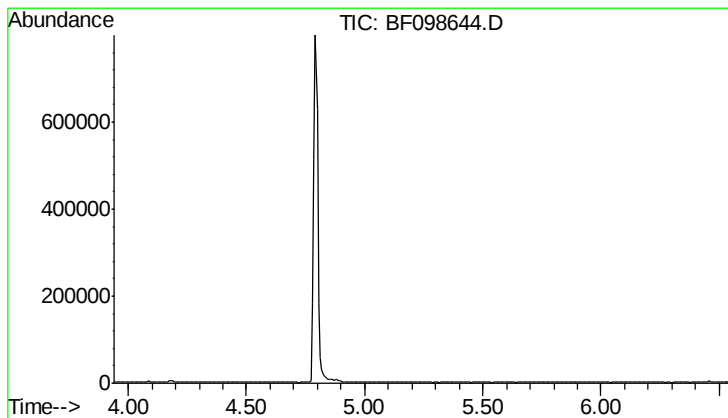
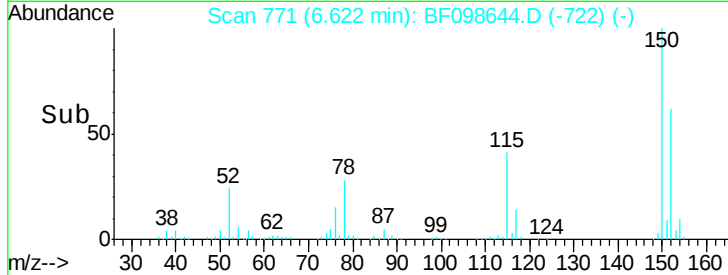
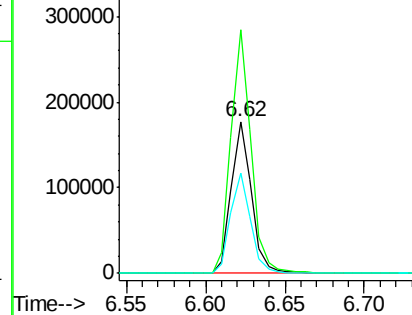
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.62 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
RL-1-0-12.25-SPLP

Tot Ion:152 Resp: 156808  
Ion Ratio Lower Upper  
152 100  
150 160.6 126.2 189.2  
115 66.2 52.2 78.2



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

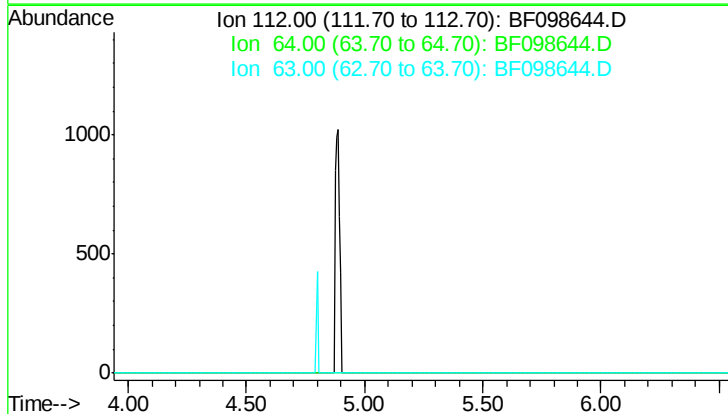


#5

2-Fluorophenol  
Concen: 0.00 ng  
Expected RT: 5.24 min

Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 57.5  
63 29.2





#7

Phenol-d6

Concen: 0.09 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.05 min

Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Instrument :

BNA\_F

ClientSampleId :

RL-1-0-12.25-SPLP

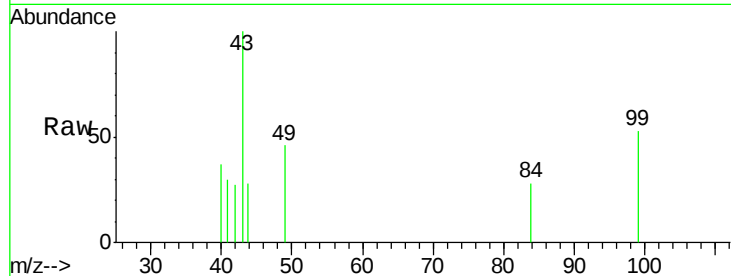
Tot Ion: 99 Resp: 1220

Ion Ratio Lower Upper

99 100

42 50.8 13.5 20.3#

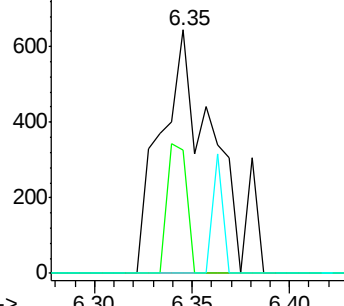
71 0.0 24.5 36.7#



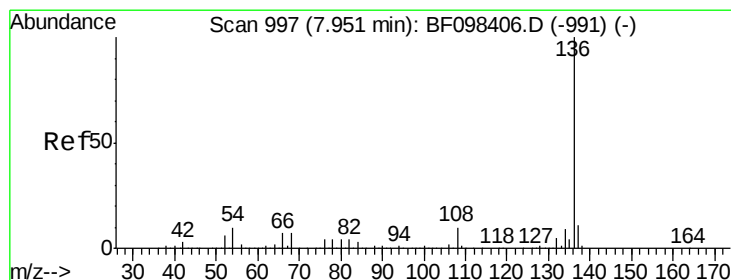
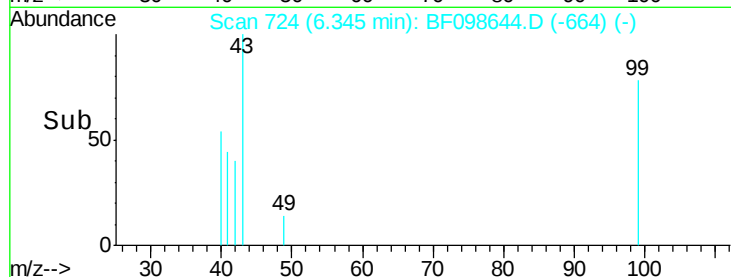
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Tgt Ion: 136 Resp: 697800

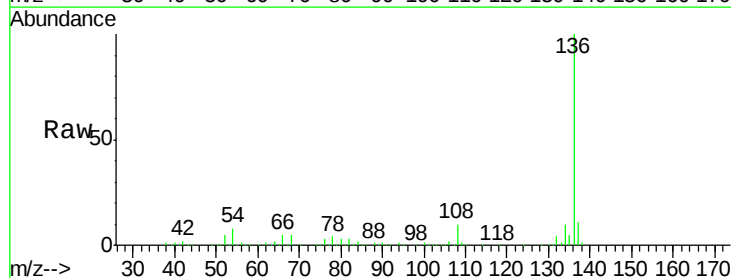
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.4 4.9 7.3#

68 5.5 4.1 6.1

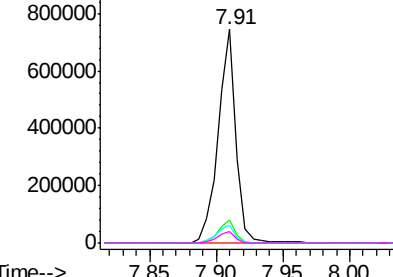


Abundance Ion 136.00 (135.70 to 136.70): E

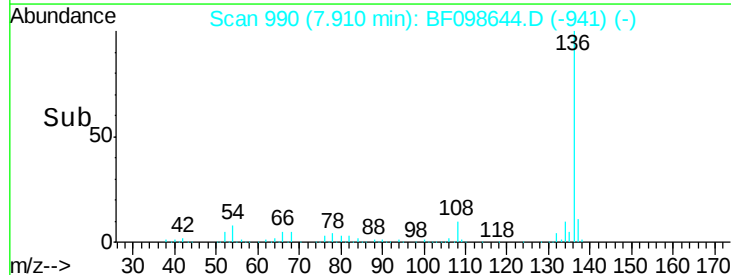
Ion 137.00 (136.70 to 137.70): E

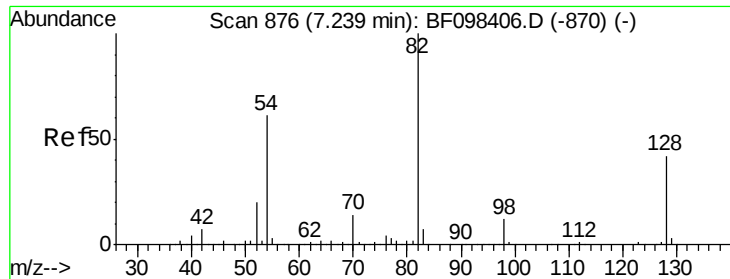
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

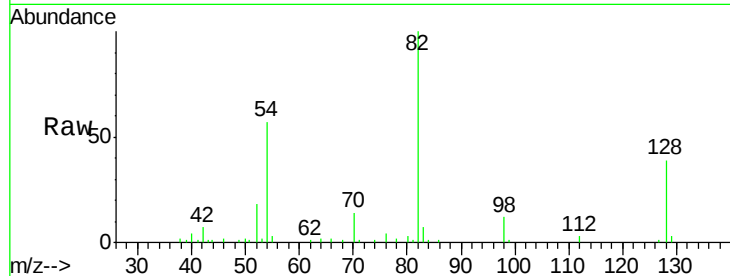




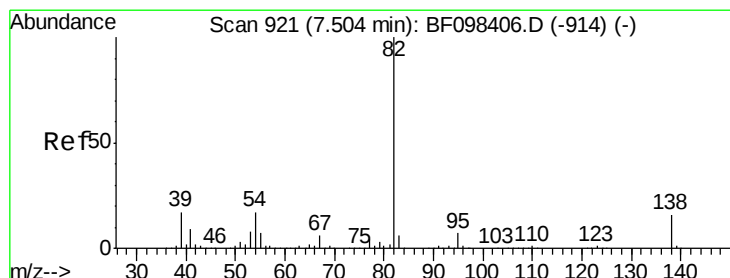
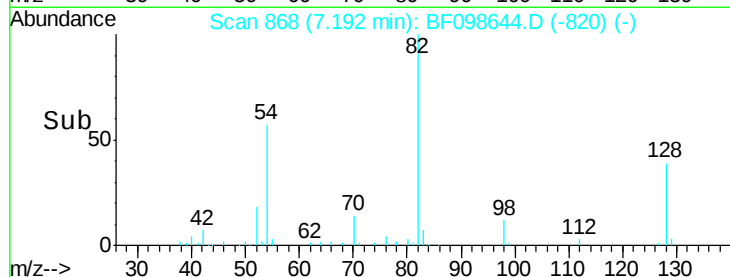
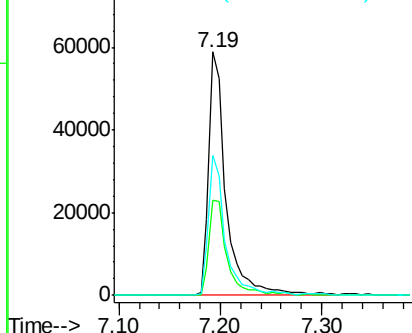
#23  
 Nitrobenzene-d5  
 Concen: 5.61 ng  
 RT: 7.19 min Scan# 868  
 Delta R.T. -0.02 min  
 Lab File: BF098644.D  
 Acq: 19 Sep 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RL-1-0-12.25-SPLP

Tot Ion: 82 Resp: 70160  
 Ion Ratio Lower Upper  
 82 100  
 128 38.9 34.0 51.0  
 54 57.4 42.2 63.2

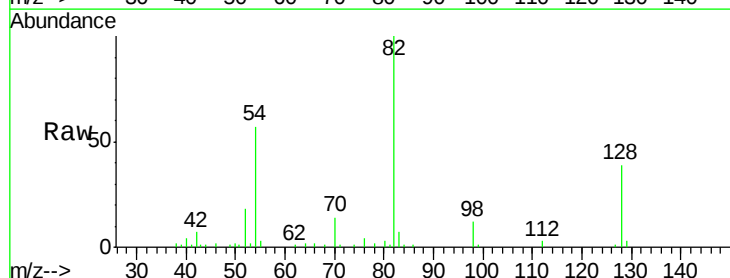


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

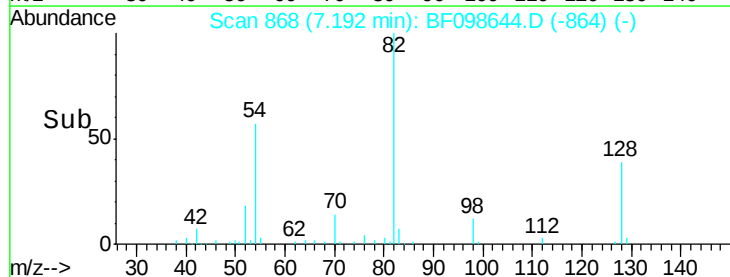
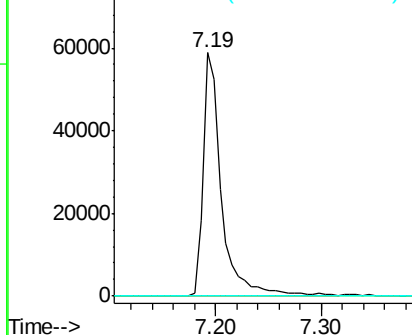


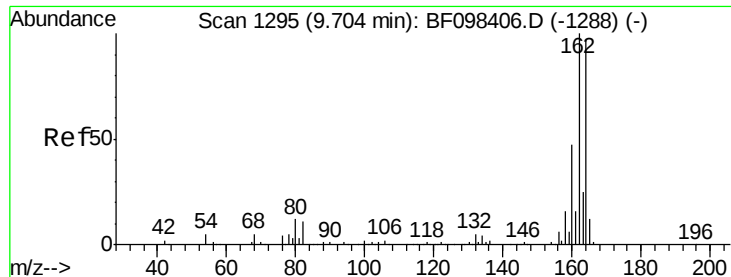
#25  
 Isophorone  
 Concen: 2.77 ng  
 RT: 7.19 min Scan# 868  
 Delta R.T. -0.28 min  
 Lab File: BF098644.D  
 Acq: 19 Sep 2017 16:37

Tgt Ion: 82 Resp: 70160  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Instrument :

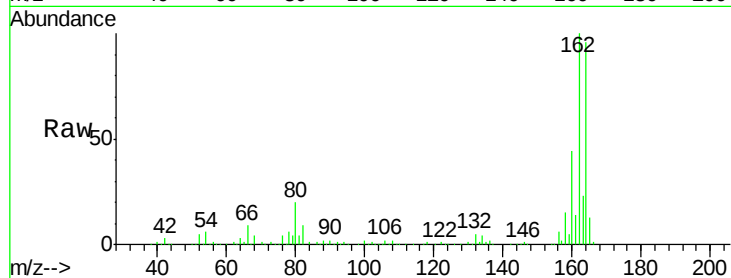
BNA\_F

ClientSampleId :

RL-1-0-12.25-SPLP

Tot Ion:164 Resp: 327074

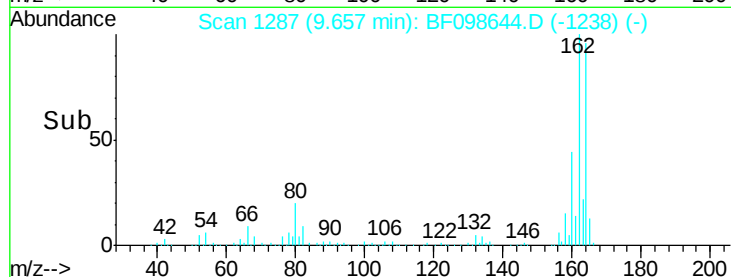
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.8 | 82.6  | 123.8 |
| 160 | 46.1  | 36.2  | 54.2  |



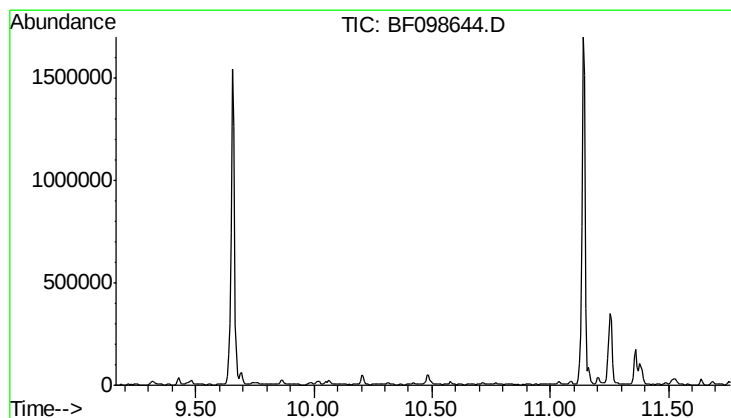
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

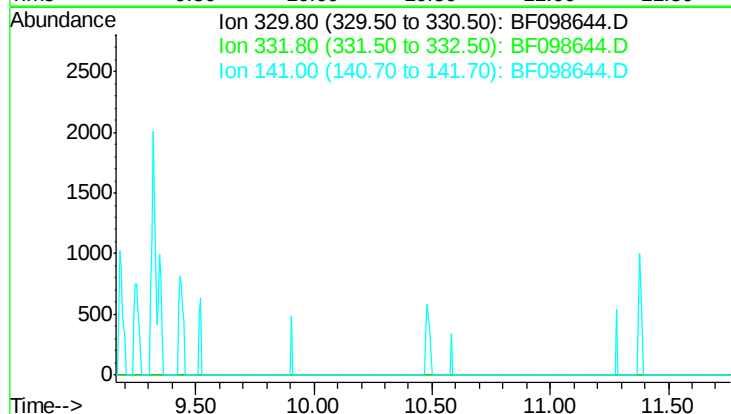
Expected RT: 10.46 min

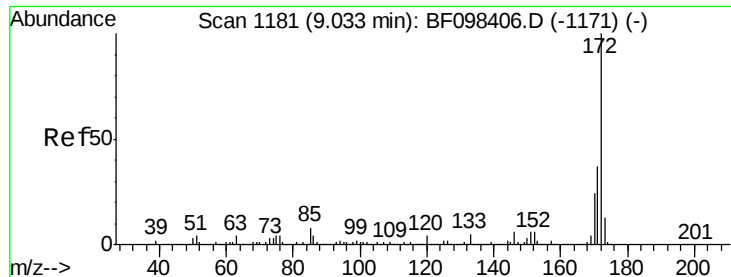
Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Tgt Ion: 330

| Sig | Exp Ratio |
|-----|-----------|
| 330 | 100       |
| 332 | 95.8      |
| 141 | 39.3      |

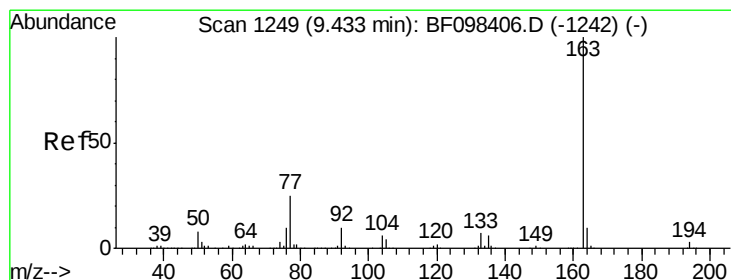
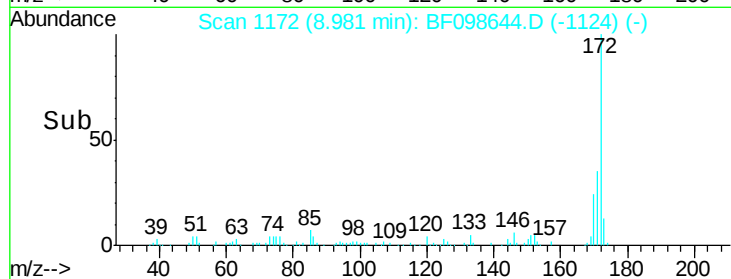
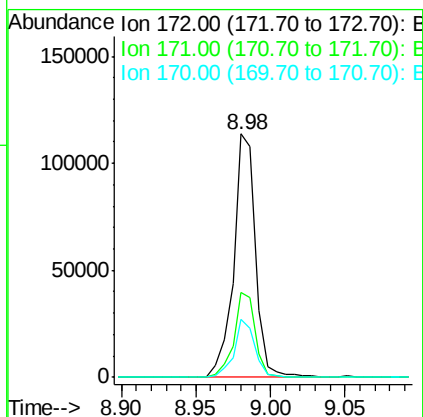
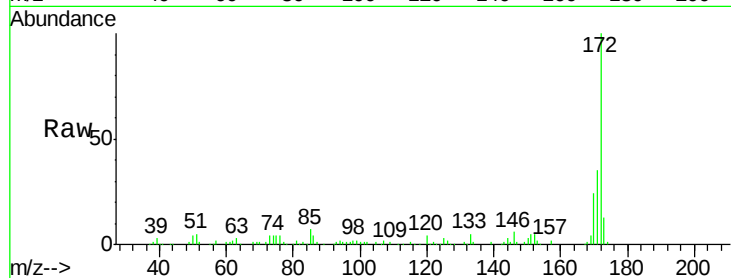




#44  
2-Fluorobiphenyl  
Concen: 6.08 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

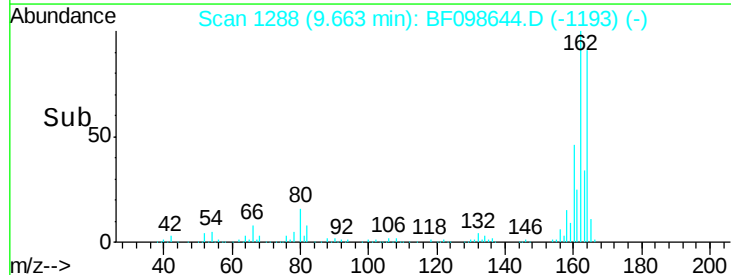
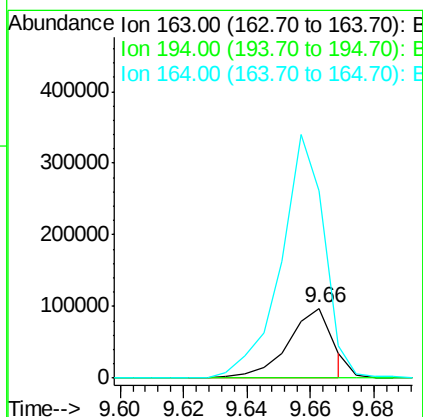
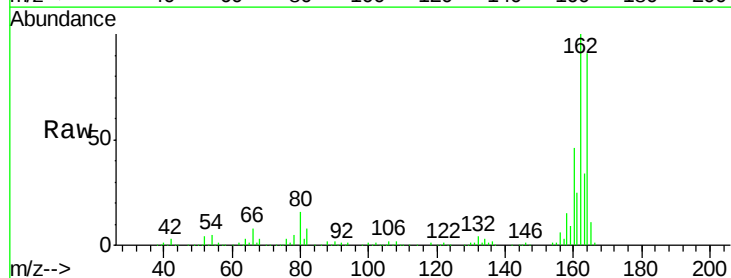
Instrument :  
BNA\_F  
ClientSampleId :  
RL-1-0-12.25-SPLP

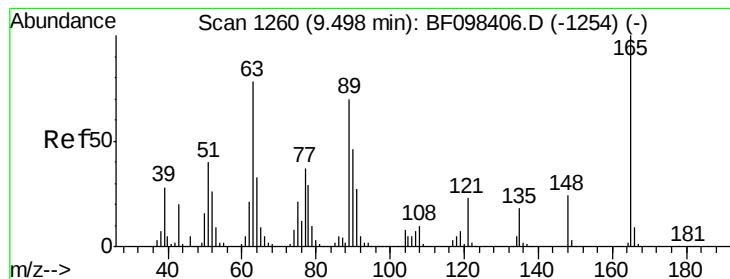
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |



#49  
Dimethylphthalate  
Concen: 3.76 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. 0.26 min  
Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 0.0   | 2.6   | 4.0#  |
| 164     | 267.6 | 8.4   | 12.6# |





#50

2,6-Dinitrotoluene

Concen: 8.01 ng

RT: 9.66 min Scan# 1287

Delta R.T. 0.19 min

Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Instrument :

BNA\_F

ClientSampleId :

RL-1-0-12.25-SPLP

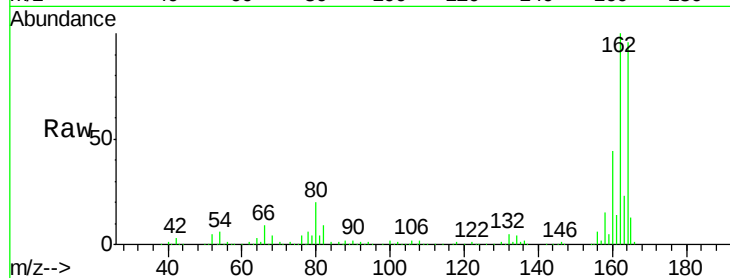
Tot Ion:165 Resp: 41660

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

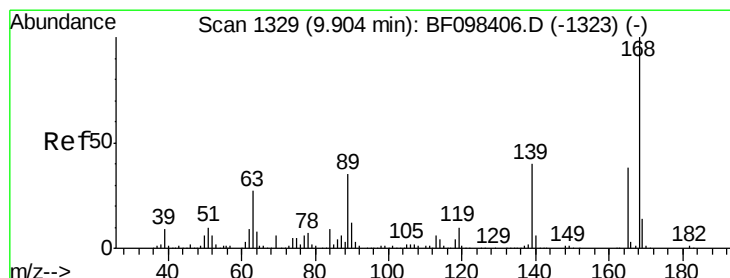
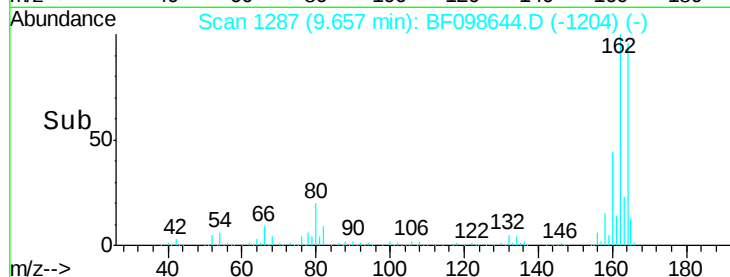
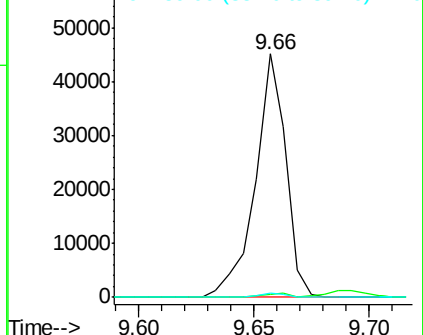
89 1.9 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.59 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.22 min

Lab File: BF098644.D

Acq: 19 Sep 2017 16:37

Tgt Ion:165 Resp: 41660

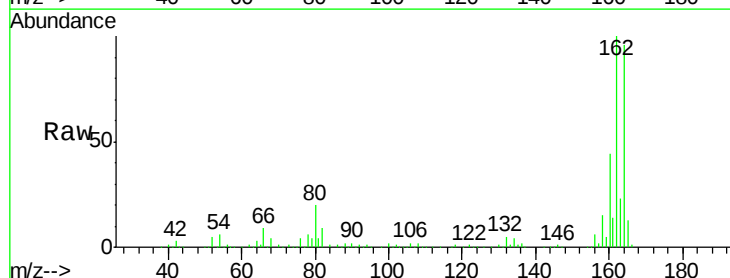
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

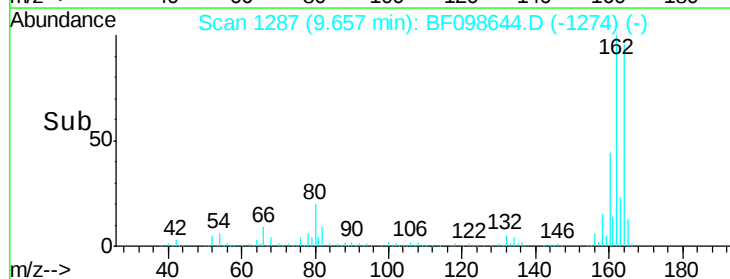
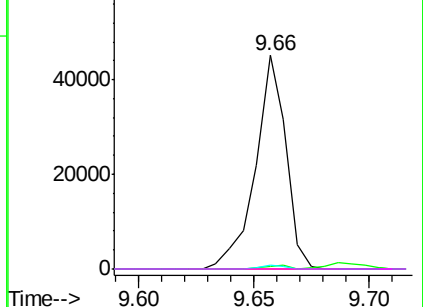


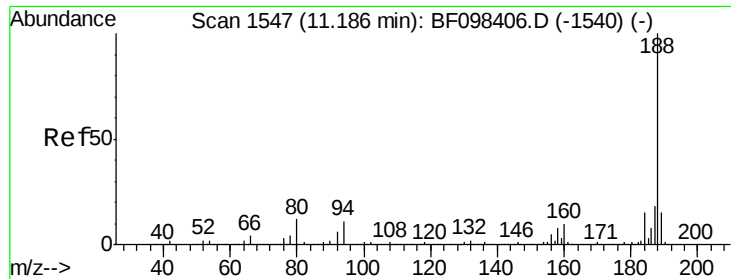
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

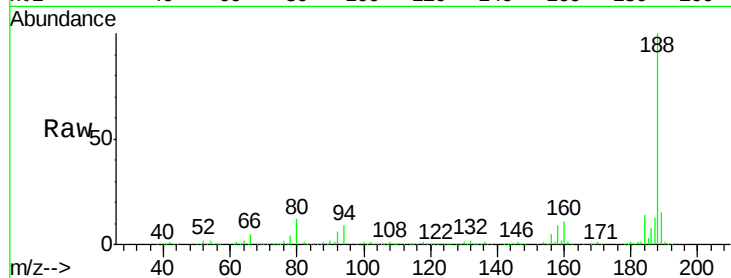




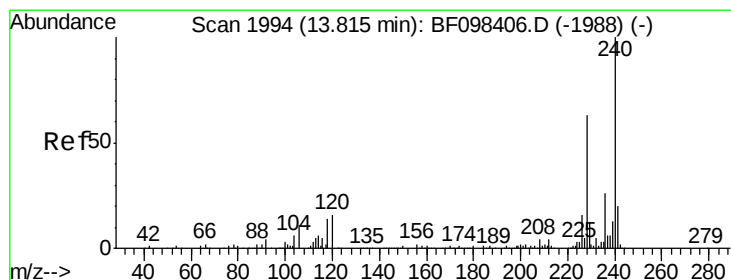
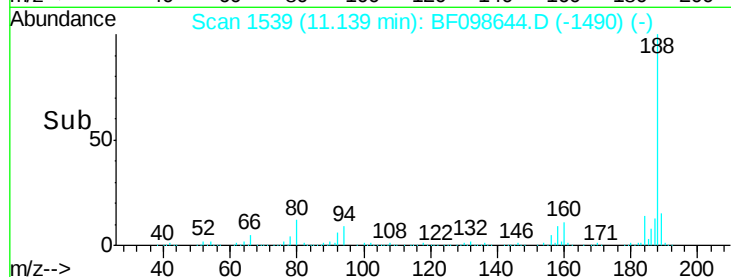
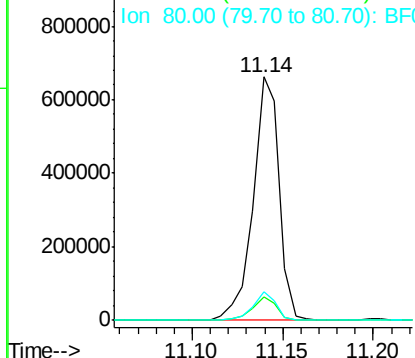
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.14 min Scan# 1539  
Delta R.T. -0.01 min  
Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
RL-1-0-12.25-SPLP

Tot Ion:188 Resp: 658029  
Ion Ratio Lower Upper  
188 100  
94 9.4 9.4 14.2#  
80 11.6 10.2 15.2

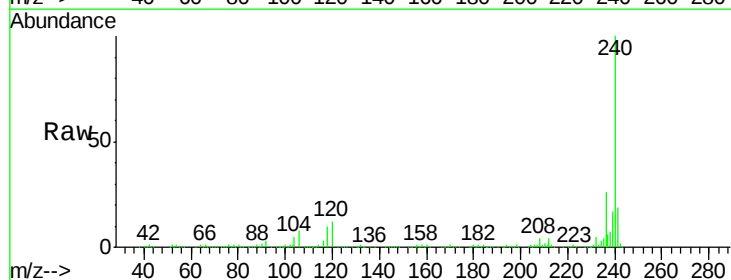


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

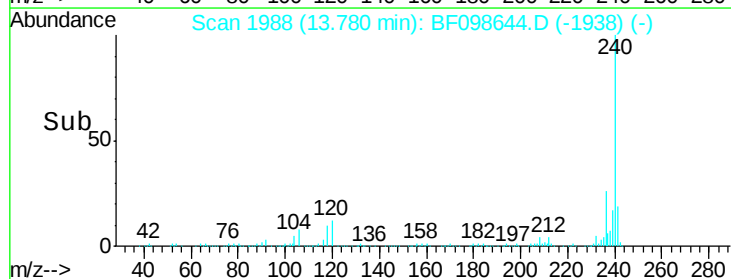
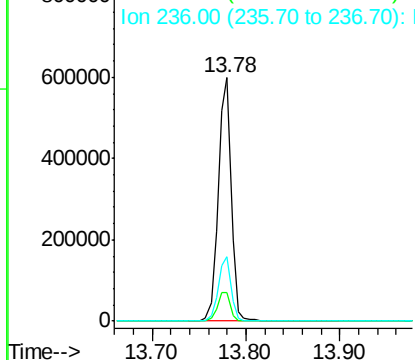


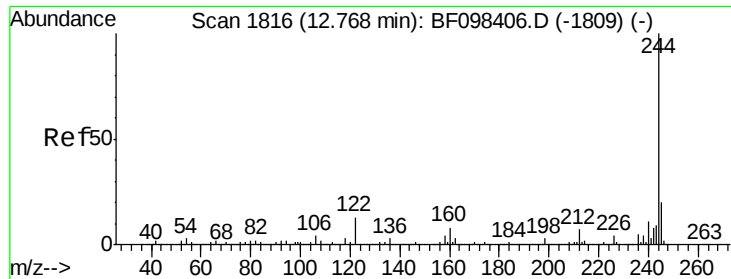
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.78 min Scan# 1988  
Delta R.T. -0.01 min  
Lab File: BF098644.D  
Acq: 19 Sep 2017 16:37

Tgt Ion:240 Resp: 580366  
Ion Ratio Lower Upper  
240 100  
120 11.5 5.8 8.8#  
236 26.4 20.5 30.7



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

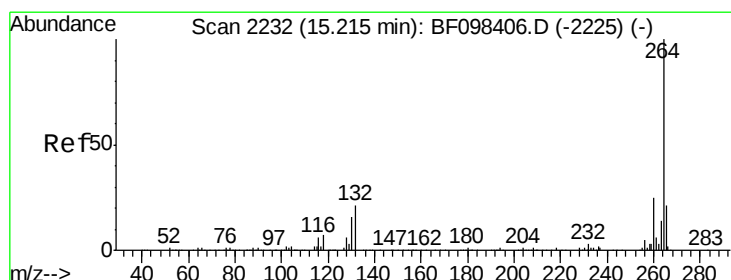
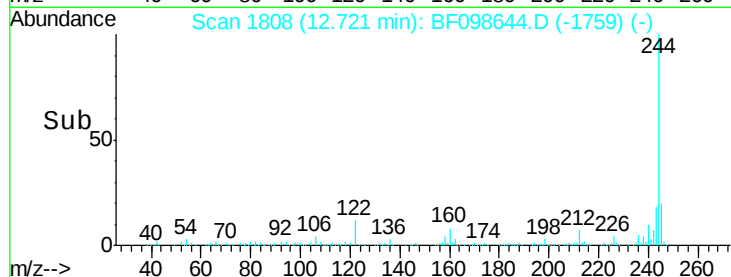
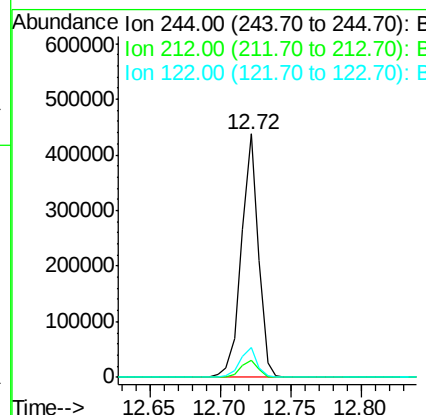
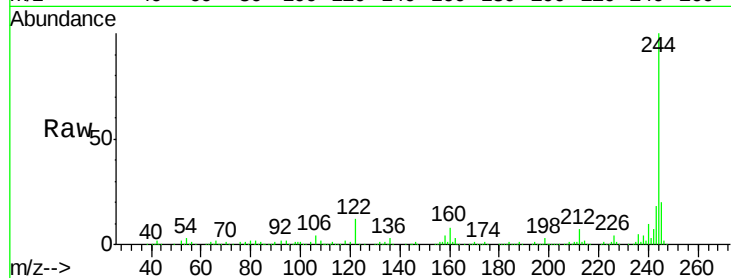




#78  
 Terphenyl-d14  
 Concen: 13.67 ng  
 RT: 12.72 min Scan# 1808  
 Delta R.T. -0.01 min  
 Lab File: BF098644.D  
 Acq: 19 Sep 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RL-1-0-12.25-SPLP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 6.0   | 9.0   |
| 122     | 12.1  | 10.3  | 15.5  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 2225  
 Delta R.T. -0.00 min  
 Lab File: BF098644.D  
 Acq: 19 Sep 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.5  | 29.3  |
| 265     | 21.5  | 17.2  | 25.8  |

