

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
 Data File : BF104375.D  
 Acq On : 9 Apr 2018 16:37  
 Operator : JU/SJ  
 Sample : J2155-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

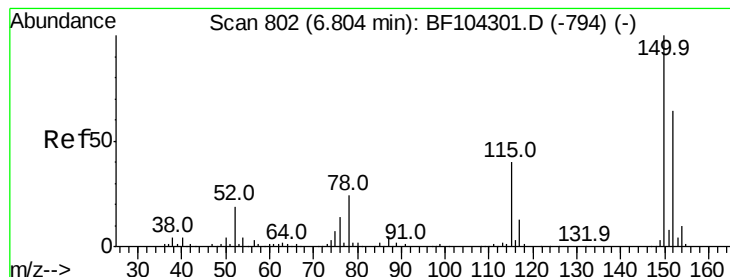
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 10 01:16:53 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 06 16:44:53 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 132990   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 534273   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.84  | 164  | 237599   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.33 | 188  | 380063   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.97 | 240  | 261467   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.43 | 264  | 280788   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 843493   | 96.98     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 1033477  | 96.71     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 623394   | 76.19     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.63 | 330  | 231569   | 93.96     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 1055150  | 70.15     | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.93 | 244  | 780526   | 68.06     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.43  | 77   | 1725     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 83330    | 11.933 ng | #     | 73       |
| 25) Isophorone                 | 7.37  | 82   | 621441   | 35.917 ng | #     | 64       |
| 49) Dimethylphthalate          | 9.56  | 163  | 132679   | 7.081 ng  | #     | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198  | 573      | 7.609 ng  | #     | 1        |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 14485    | 3.583 ng  | #     | 1        |
| 76) Benizidine                 | 12.64 | 184  | 396      | Below Cal | #     | 1        |

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



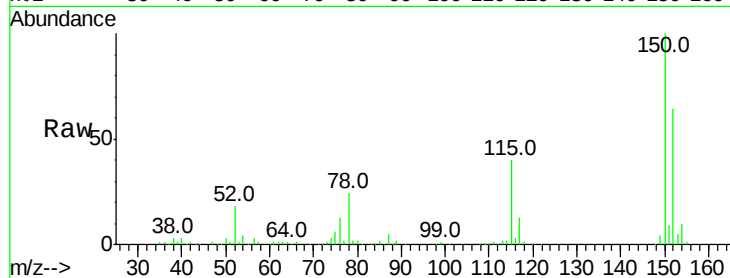


#1

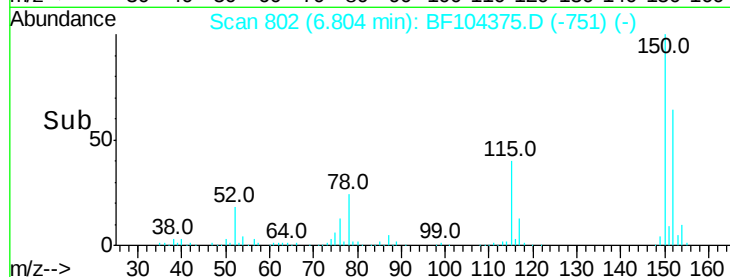
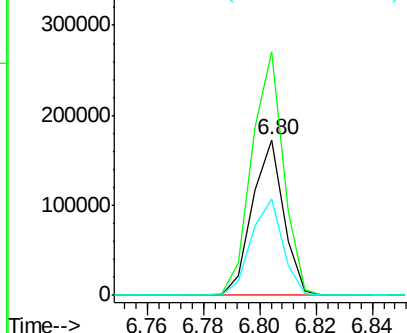
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: BF104375.D  
Acq: 9 Apr 2018 16:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 132990  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.6 186.8  
115 62.3 50.1 75.1



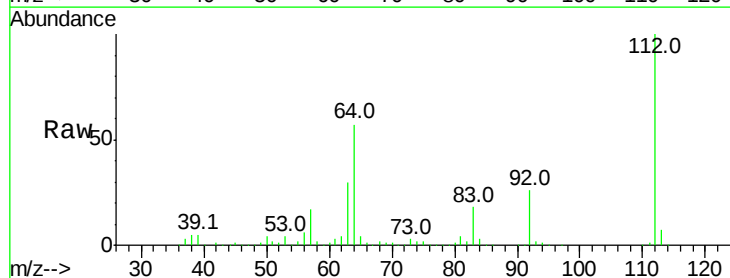
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



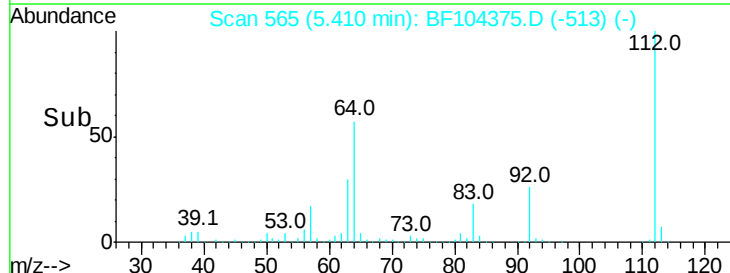
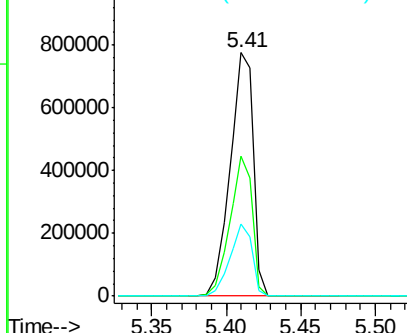
#5

2-Fluorophenol  
Concen: 96.981 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BF104375.D  
Acq: 9 Apr 2018 16:37

Tgt Ion:112 Resp: 843493  
Ion Ratio Lower Upper  
112 100  
64 57.3 47.9 71.9  
63 29.7 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: 96.709 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

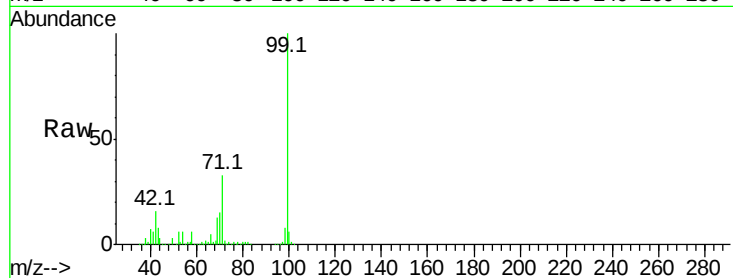
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1033477

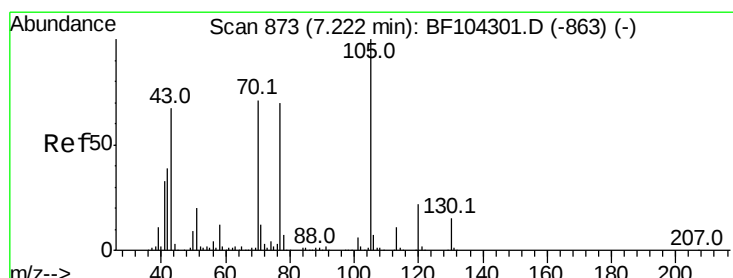
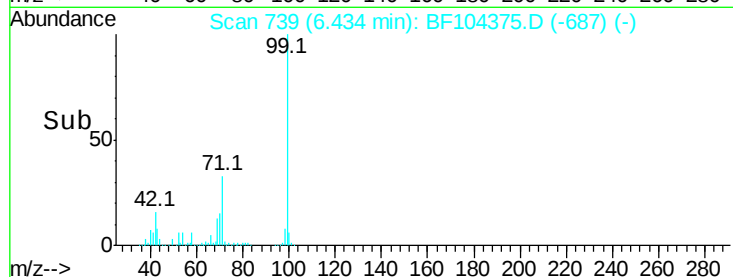
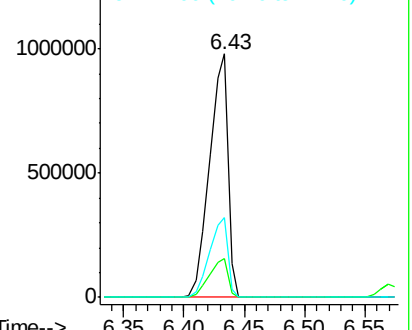
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.8  | 14.5  | 21.7  |
| 71  | 32.6  | 25.4  | 38.0  |



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.933 ng

RT: 7.37 min Scan# 898

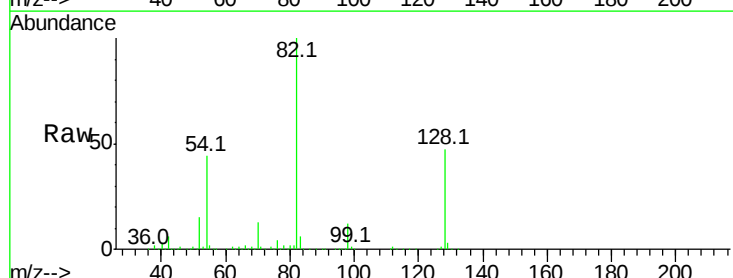
Delta R.T. 0.15 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Tgt Ion: 70 Resp: 83330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 42.7  | 47.5  | 71.3# |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 2.4   | 16.6  | 25.0# |

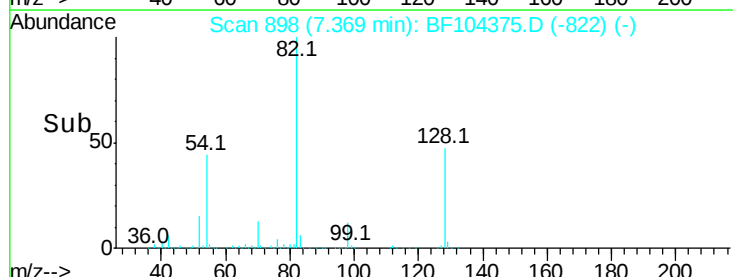
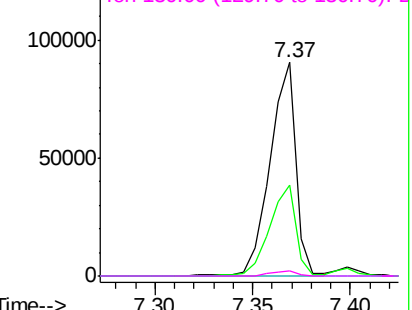


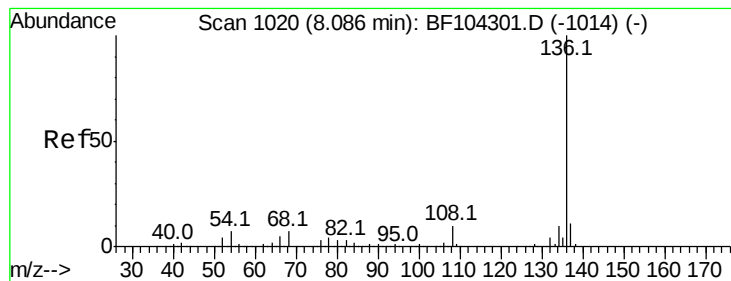
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 534273

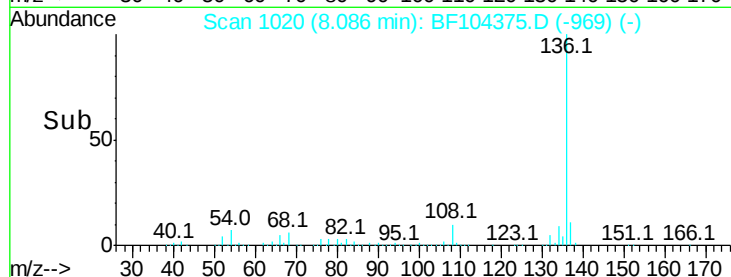
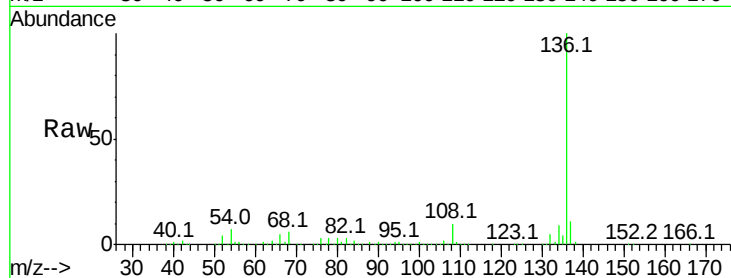
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.0 6.6 9.8

68 6.1 5.0 7.4

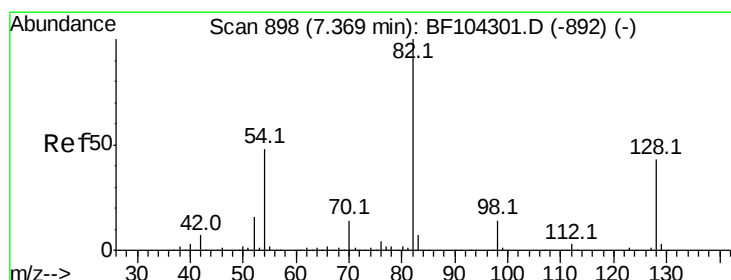
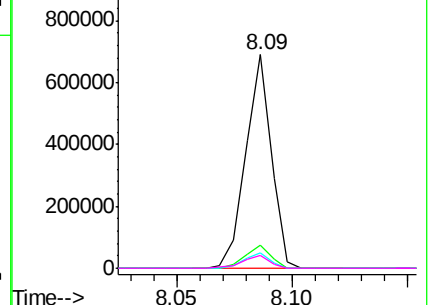


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.190 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

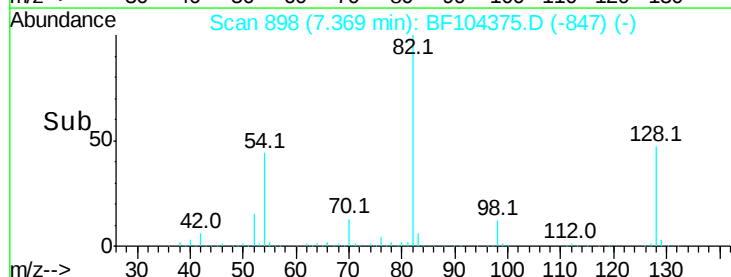
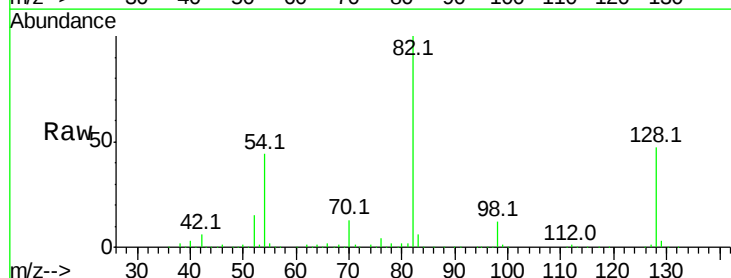
Tgt Ion: 82 Resp: 623394

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

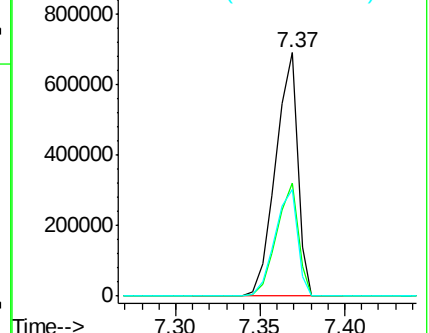
54 44.0 41.4 62.2

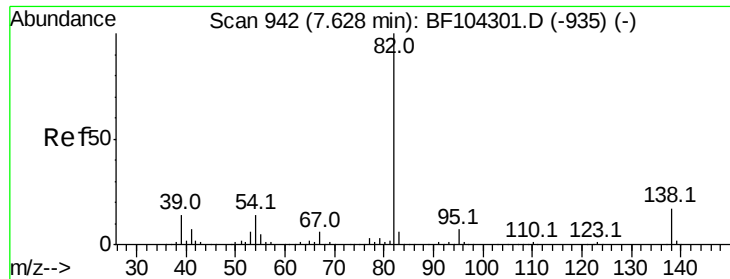


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.917 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Instrument :

BNA\_F

ClientSampled :

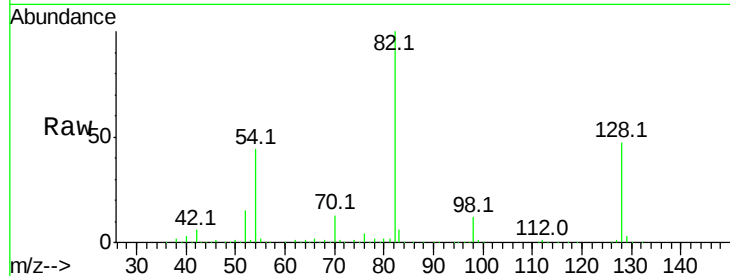
Tot Ion: 82 Resp: 621441

Ion Ratio Lower Upper

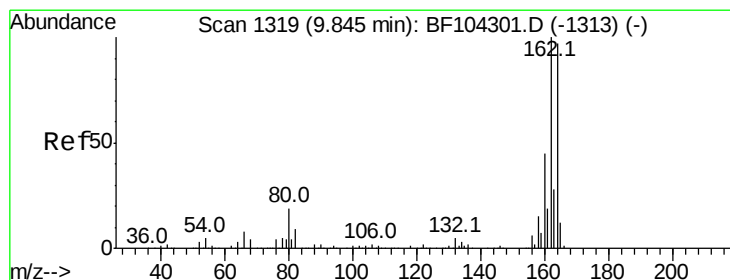
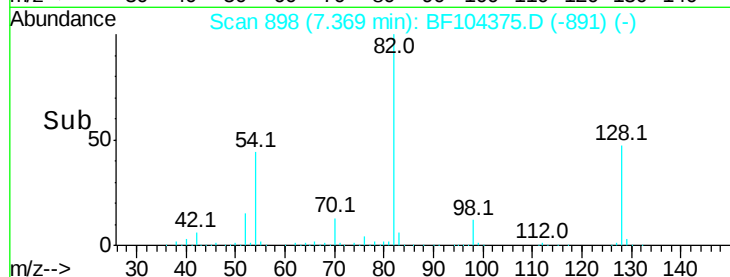
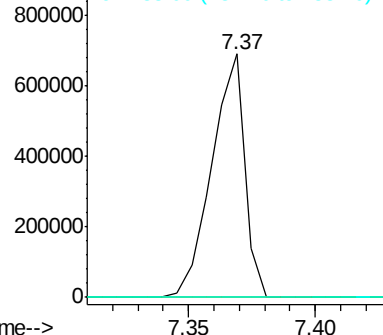
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

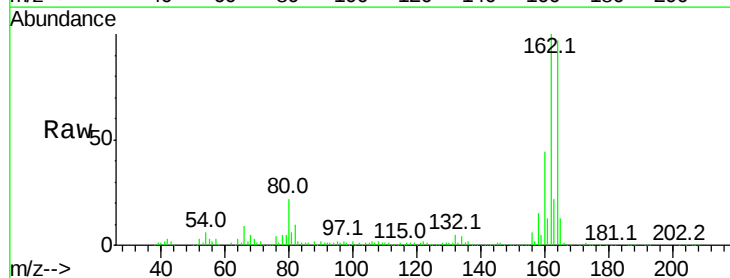
Tgt Ion:164 Resp: 237599

Ion Ratio Lower Upper

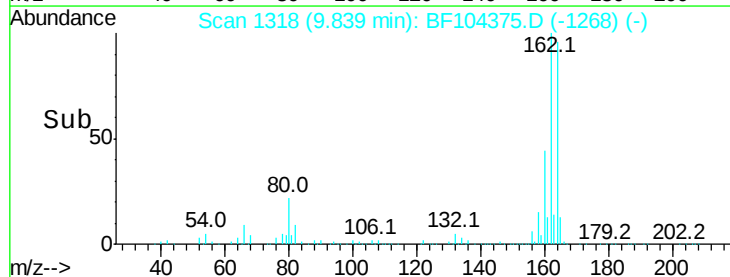
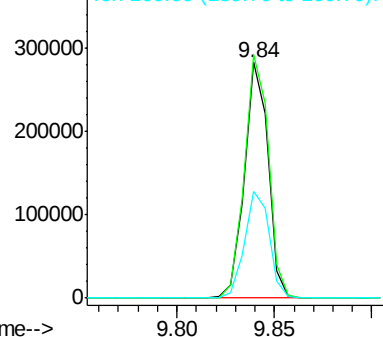
164 100

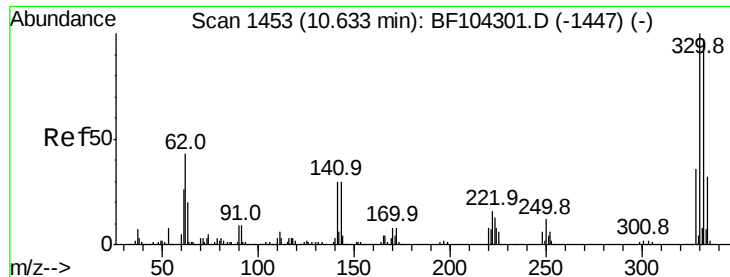
162 103.4 86.1 129.1

160 45.5 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

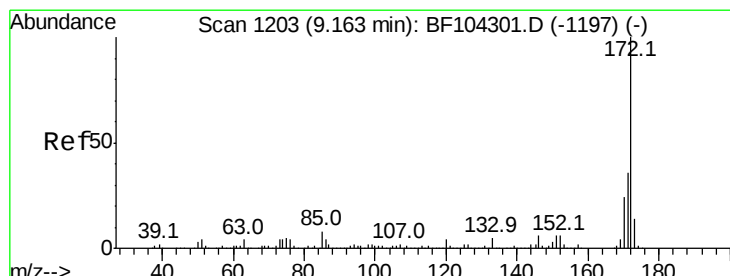
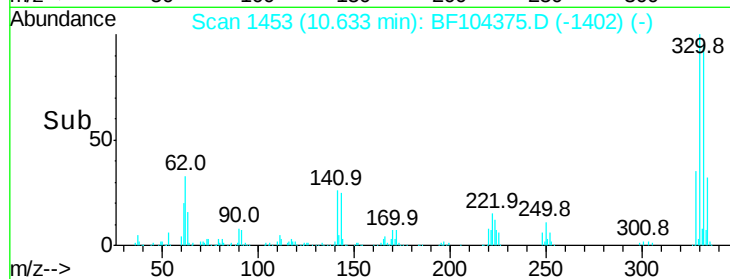
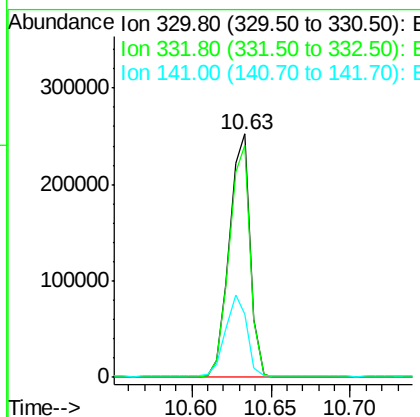
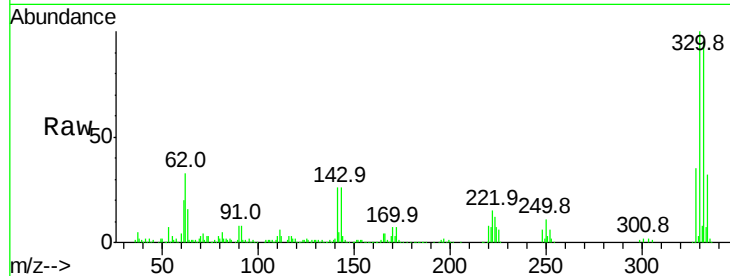




#41  
 2,4,6-Tribromophenol  
 Concen: 93.955 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF104375.D  
 Acq: 9 Apr 2018 16:37

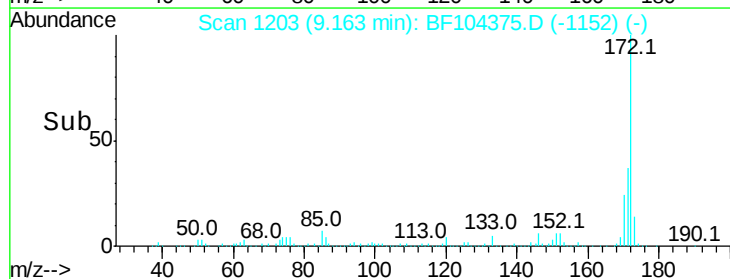
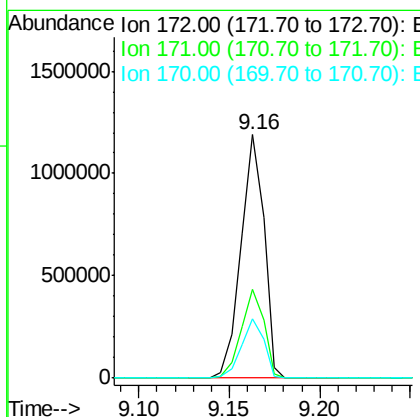
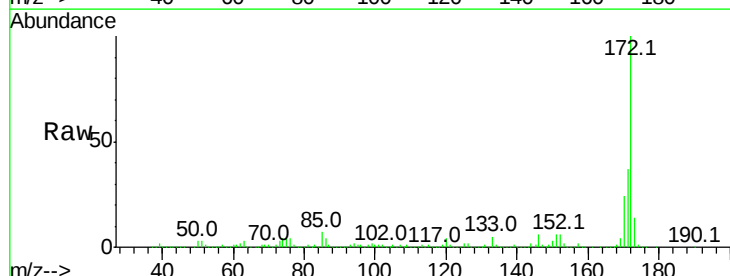
Instrument :  
 BNA\_F  
 ClientSampleId :

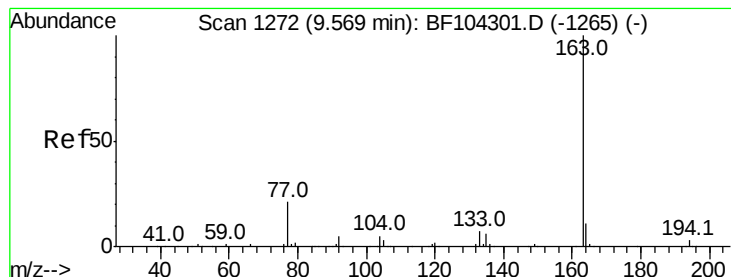
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 33.6  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 70.155 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BF104375.D  
 Acq: 9 Apr 2018 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 24.4  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 7.081 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

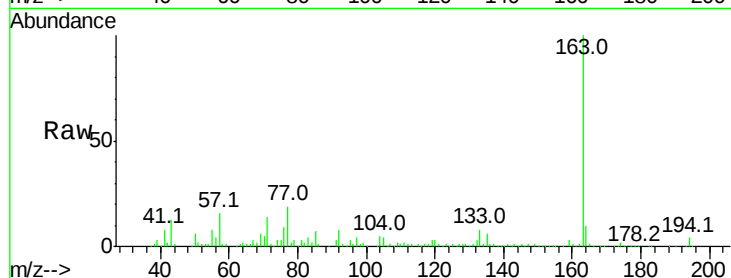
Tot Ion:163 Resp: 132679

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

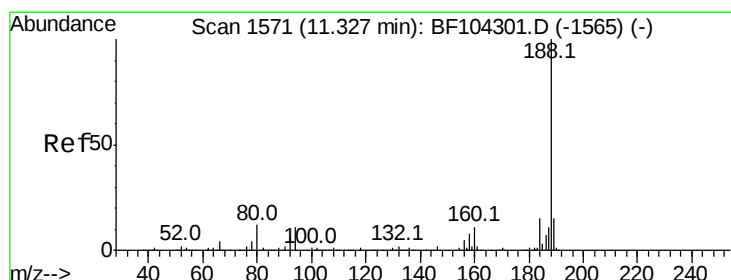
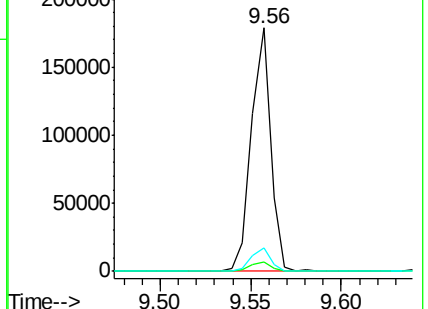
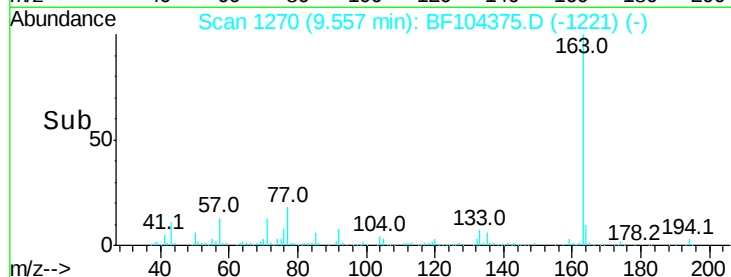
164 9.6 8.2 12.2



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: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

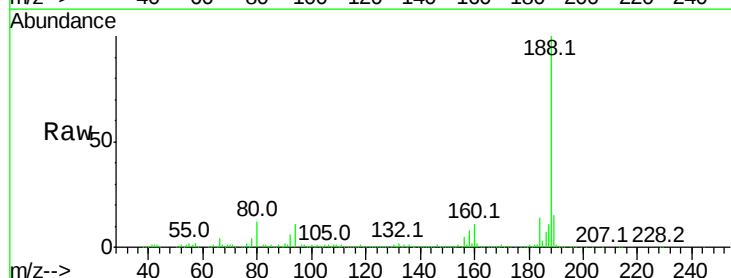
Tgt Ion:188 Resp: 380063

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

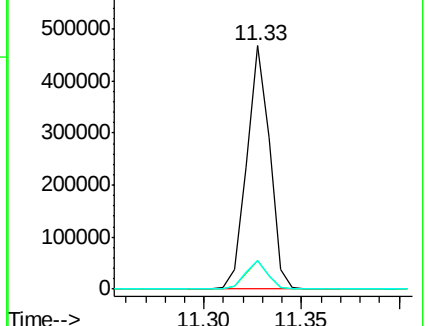
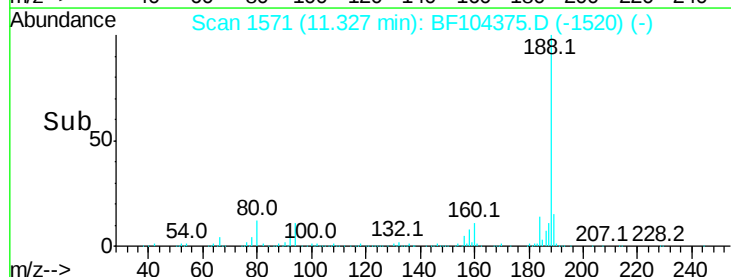
80 11.8 9.2 13.8

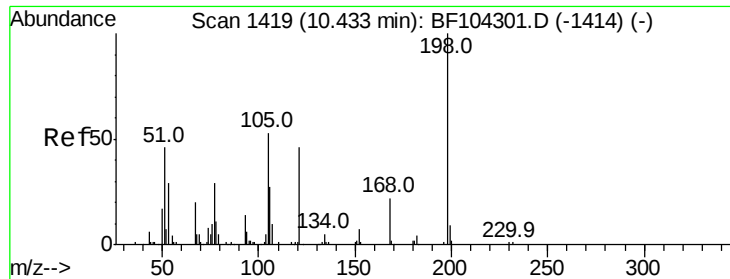


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.609 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

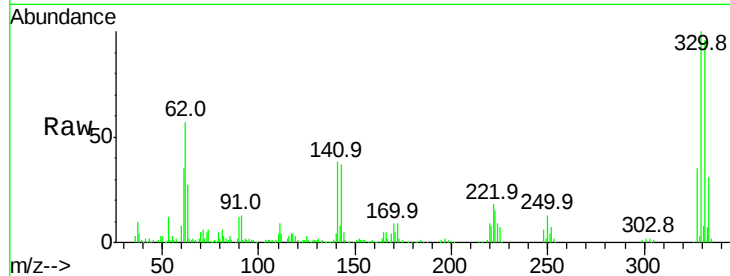
Tot Ion:198 Resp: 573

Ion Ratio Lower Upper

198 100

51 127.2 37.7 77.7#

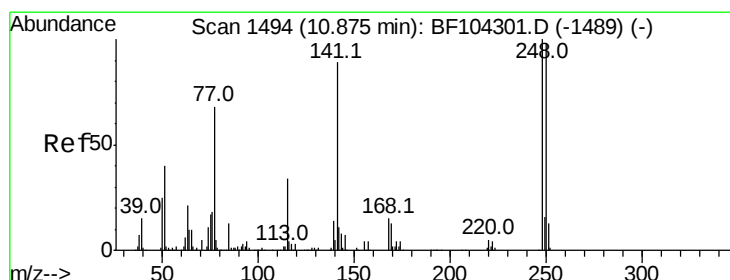
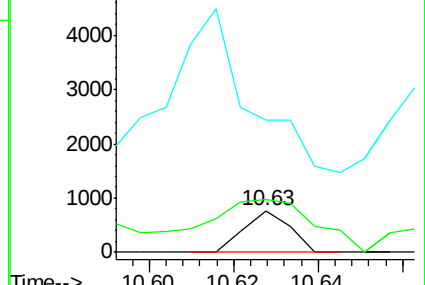
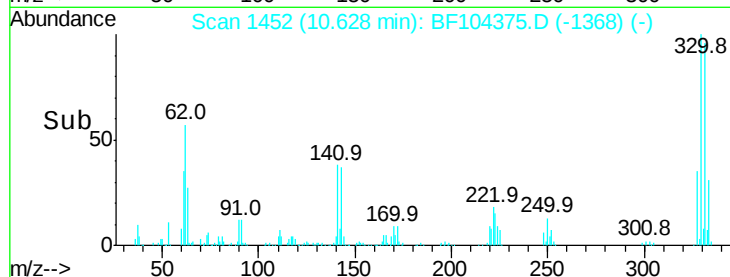
105 317.3 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.583 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

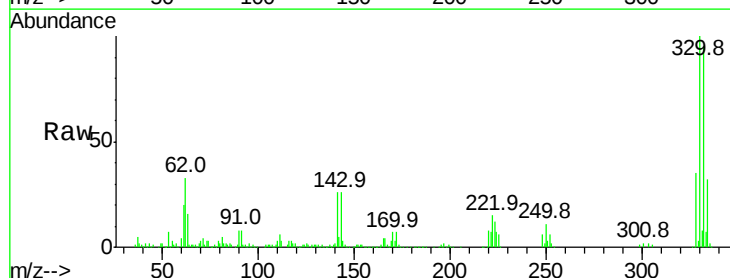
Tgt Ion:248 Resp: 14485

Ion Ratio Lower Upper

248 100

250 176.9 76.9 115.3#

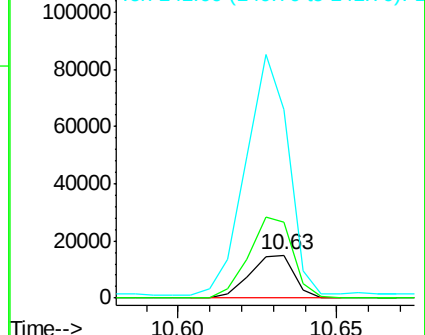
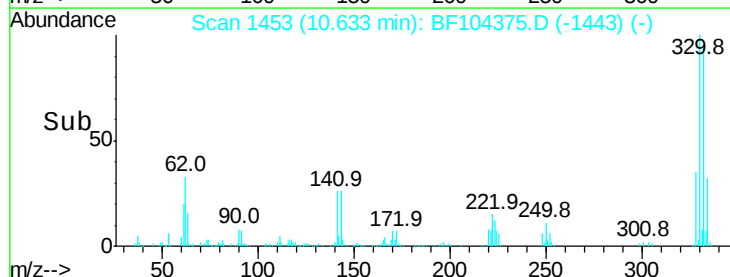
141 438.8 74.4 111.6#

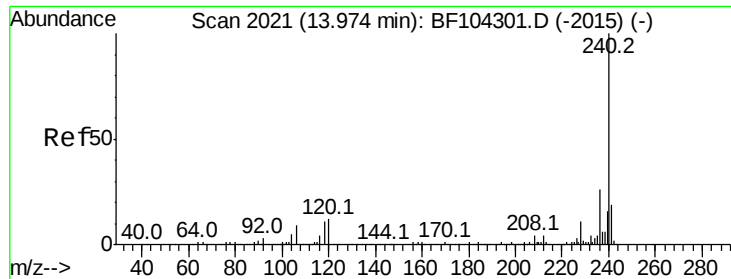


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

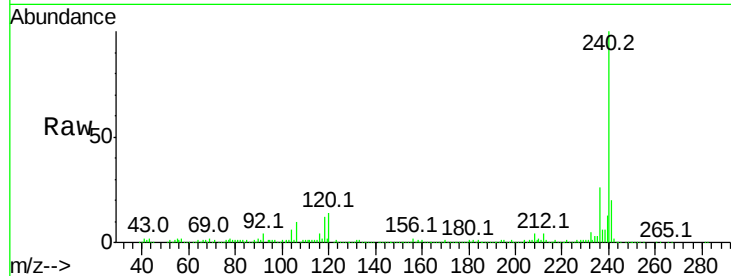
Tot Ion:240 Resp: 261467

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

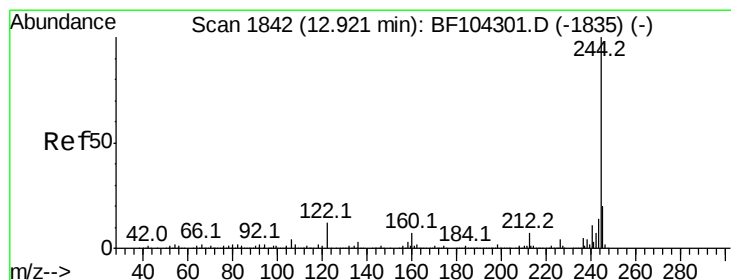
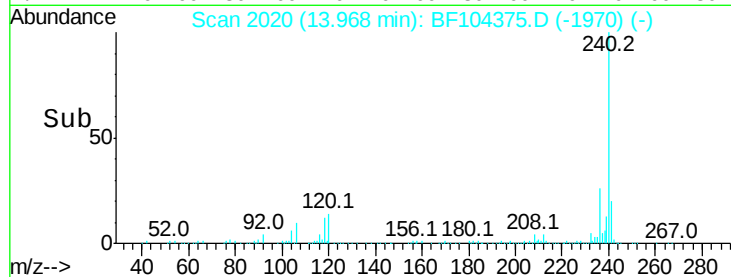
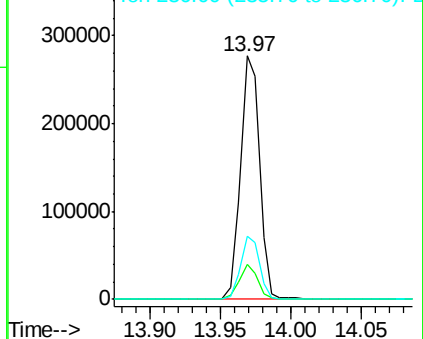
236 26.0 20.7 31.1



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: 68.057 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104375.D

Acq: 9 Apr 2018 16:37

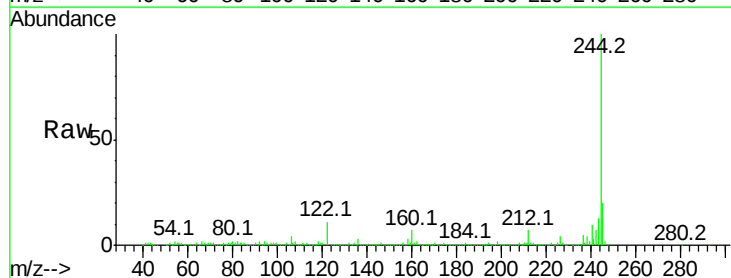
Tgt Ion:244 Resp: 780526

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

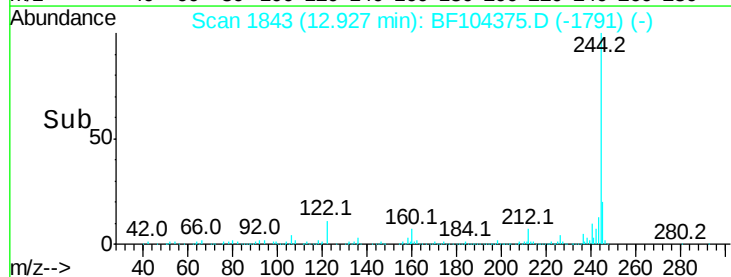
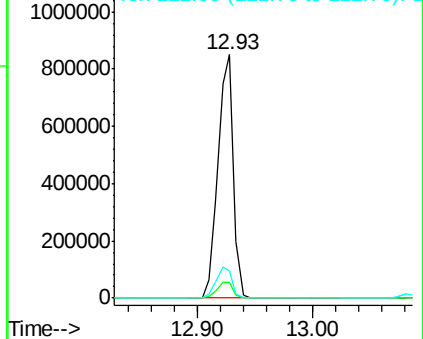
122 11.4 11.0 16.4

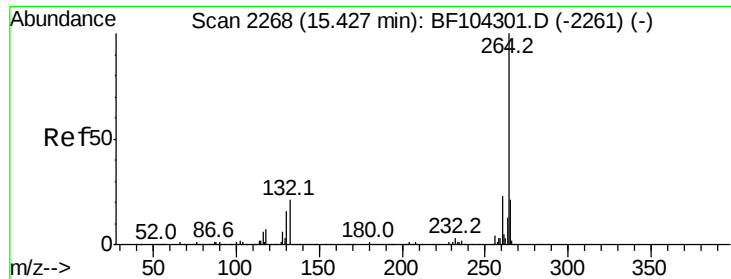


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. 0.01 min  
Lab File: BF104375.D  
Acq: 9 Apr 2018 16:37

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 21.4  | 17.5  | 26.3  |

