

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\  
 Data File : BF099930.D  
 Acq On : 28 Oct 2017 21:14  
 Operator : SJ/JU  
 Sample : I6146-07 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 30 02:02:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 27 15:58:57 2017  
 Response via : Initial Calibration

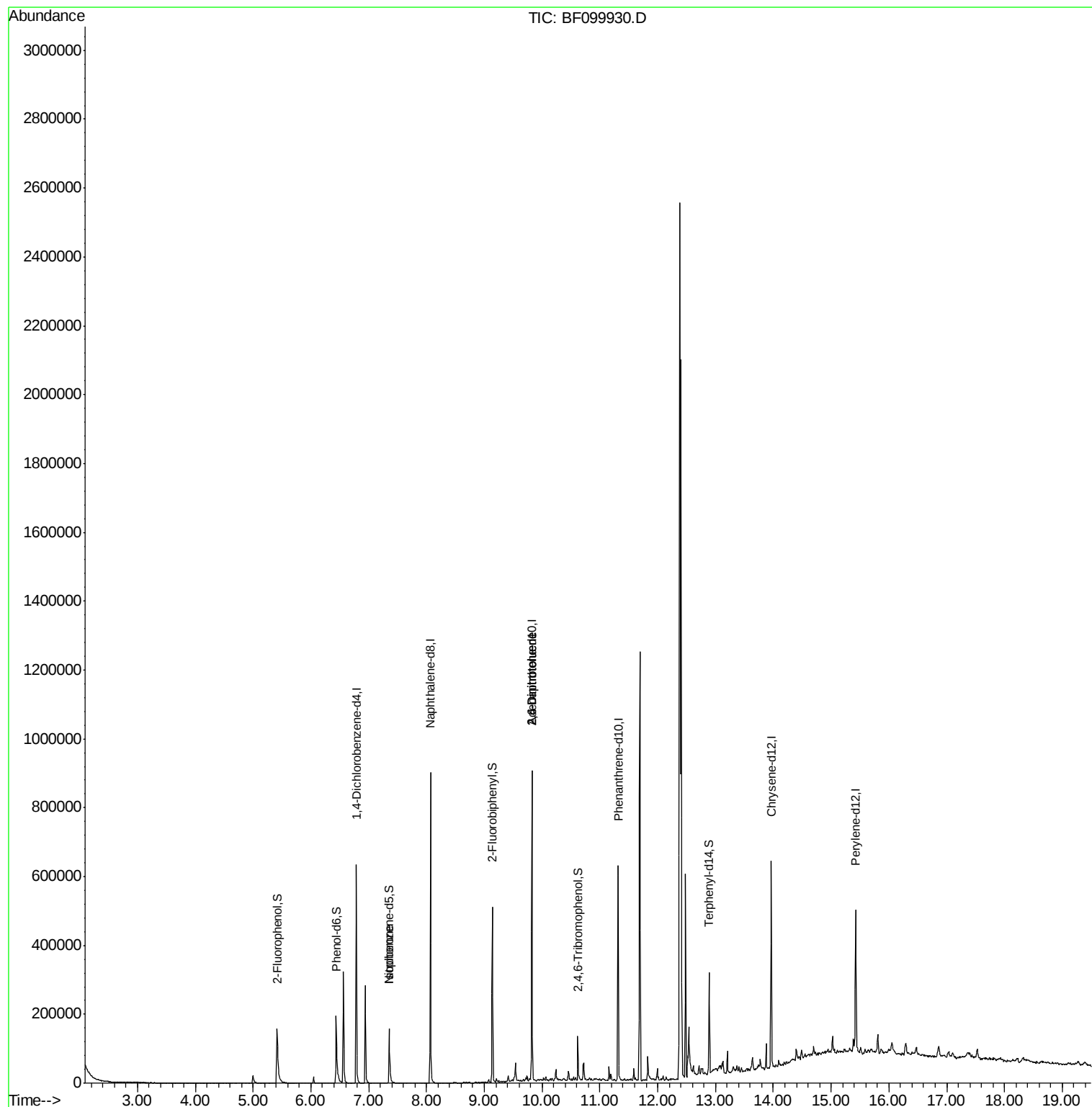
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 104134   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 406533   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 169446   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 238843   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 13.96 | 240  | 185538   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.43 | 264  | 184315   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 92029    | 13.87 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 116717   | 14.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 64902    | 10.28 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 16968    | 10.99 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 148356   | 13.51 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.89 | 244  | 82076    | 9.67  | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.36  | 82   | 64902    | 5.664 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene      | 9.82  | 165  | 21658    | 7.678 | ng    | # 24     |
| 56) 2,4-Dinitrotoluene      | 9.82  | 165  | 21658    | 6.375 | ng    | # 21     |

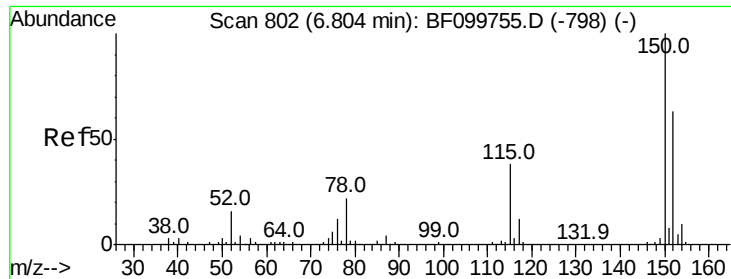
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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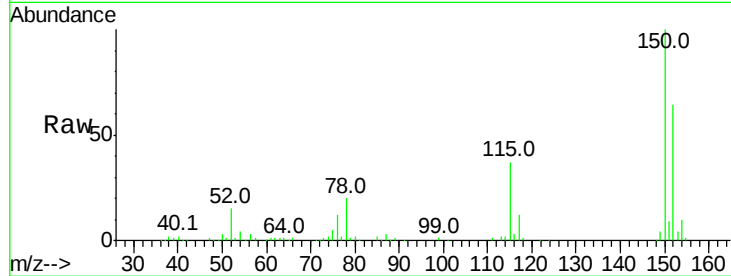


#1

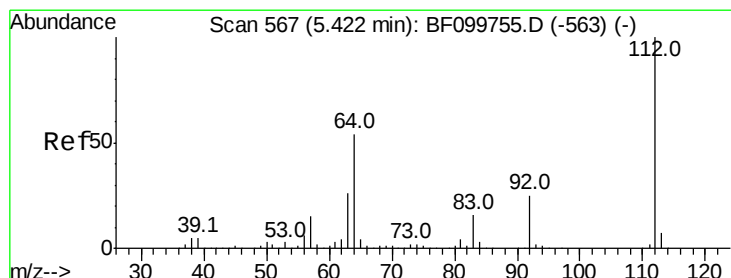
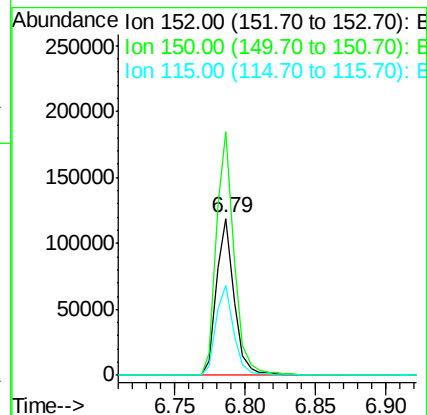
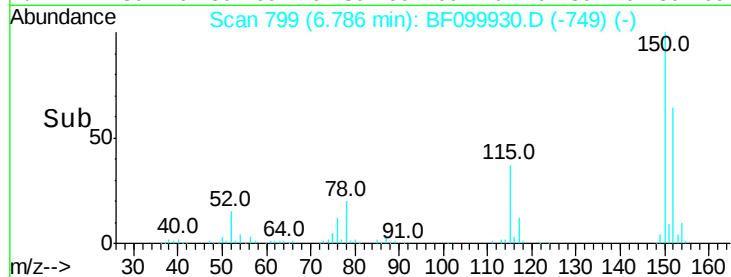
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BF099930.D  
Acq: 28 Oct 2017 21:14

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 104134  
Ion Ratio Lower Upper  
152 100  
150 155.1 124.6 186.8  
115 57.0 50.1 75.1



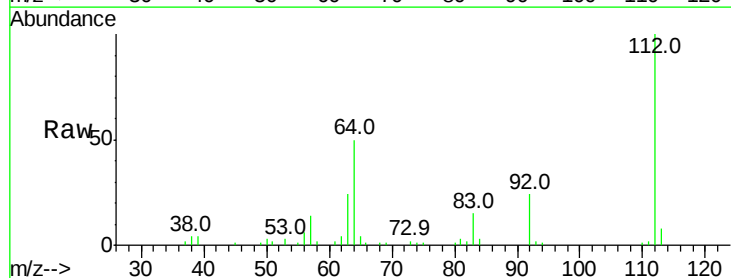
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



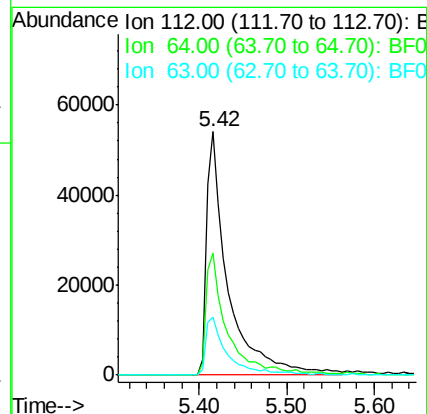
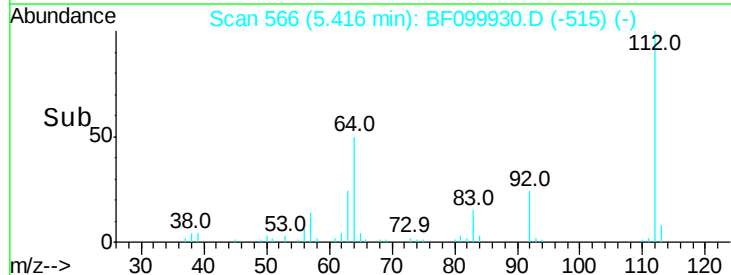
#5

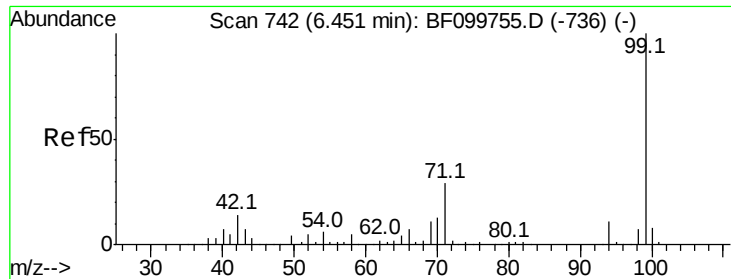
2-Fluorophenol  
Concen: 13.875 ng  
RT: 5.42 min Scan# 566  
Delta R.T. -0.00 min  
Lab File: BF099930.D  
Acq: 28 Oct 2017 21:14

Tgt Ion:112 Resp: 92029  
Ion Ratio Lower Upper  
112 100  
64 49.9 47.9 71.9  
63 23.8 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: 14.841 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

Instrument :

BNA\_F

ClientSampleId :

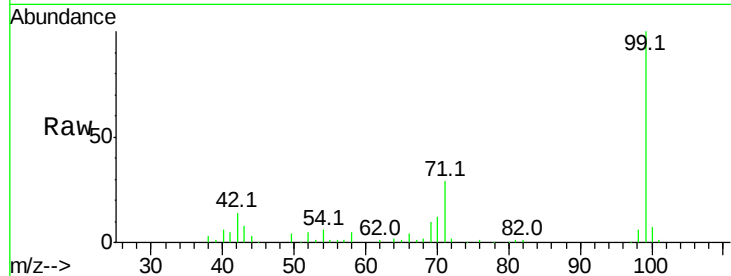
Tot Ion: 99 Resp: 116717

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

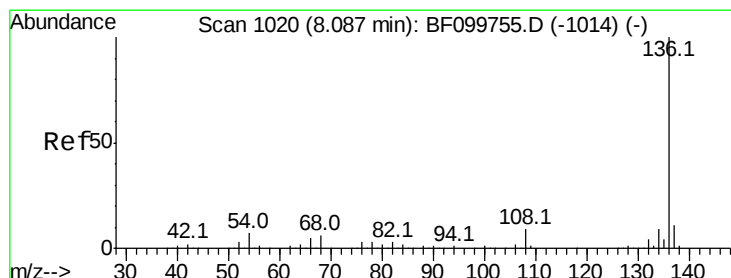
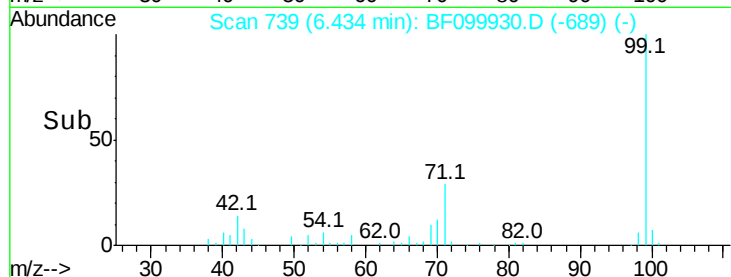
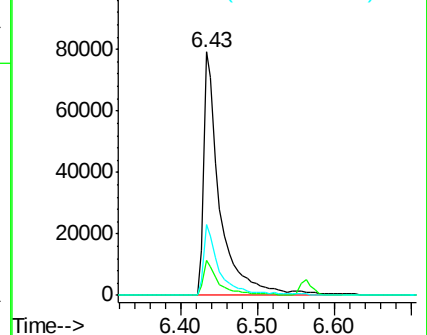
71 29.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

Tgt Ion: 136 Resp: 406533

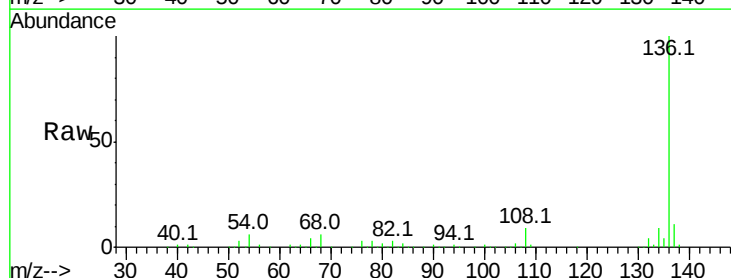
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.5 6.6 9.8#

68 5.5 5.0 7.4

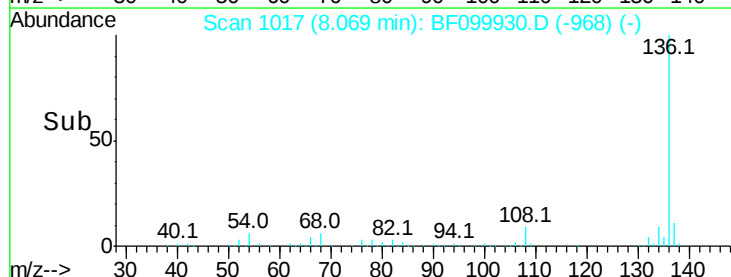
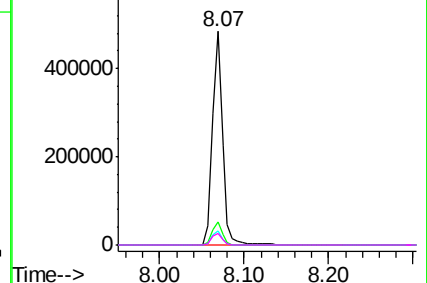


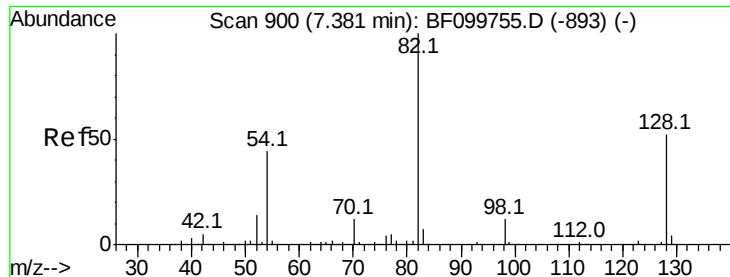
Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.278 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

Instrument :

BNA\_F

ClientSampled :

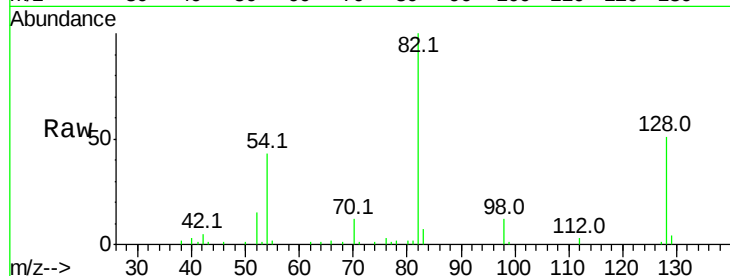
Tot Ion: 82 Resp: 64902

Ion Ratio Lower Upper

82 100

128 51.1 36.1 54.1

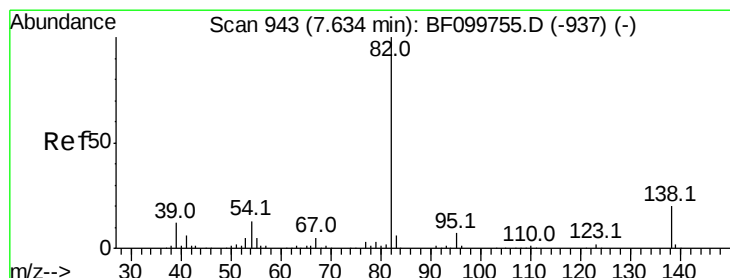
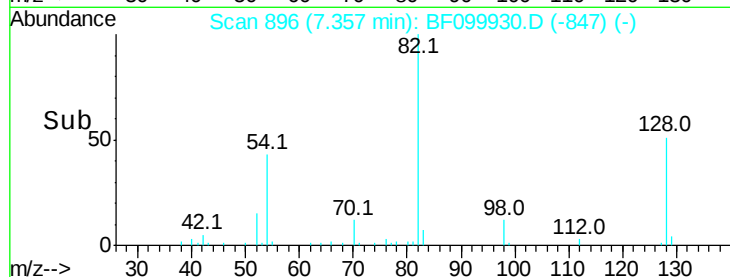
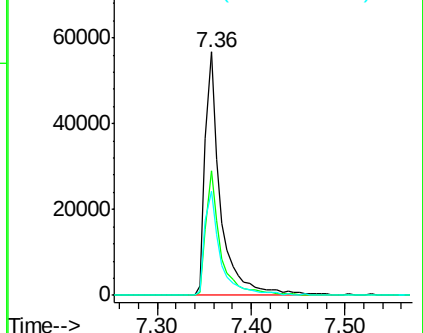
54 43.0 41.4 62.2



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: 5.664 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

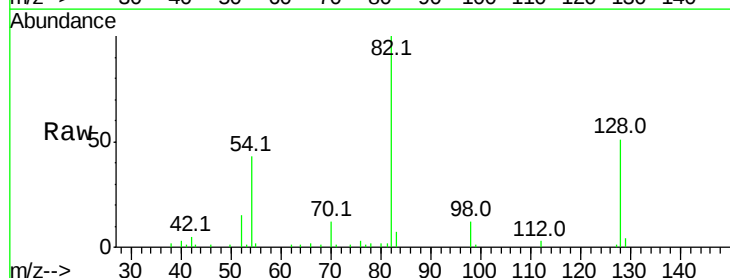
Tgt Ion: 82 Resp: 64902

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

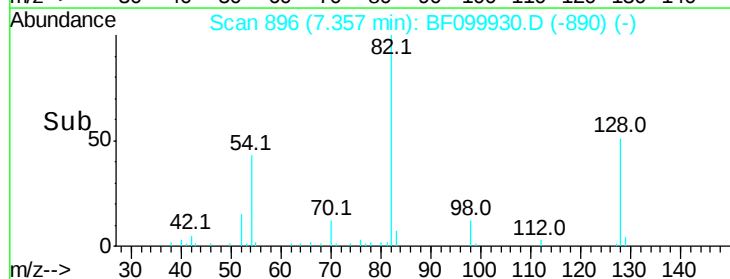
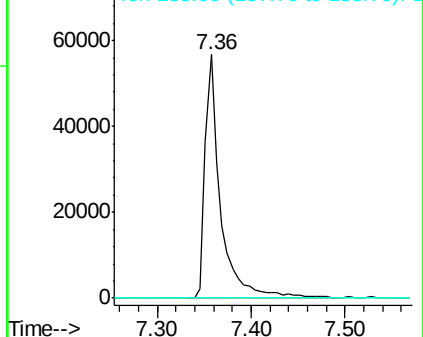
138 0.0 14.9 22.3#

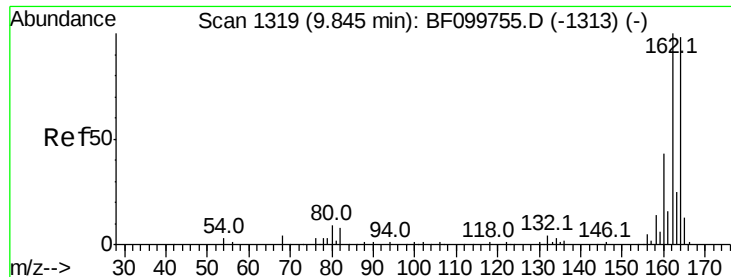


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

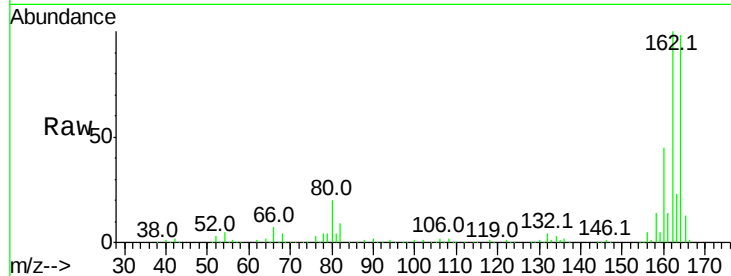




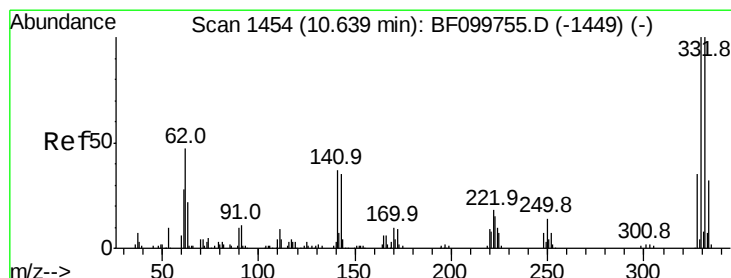
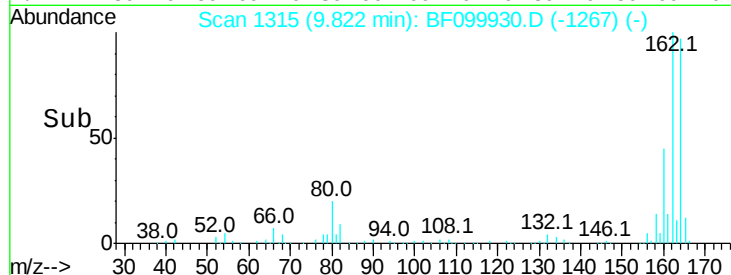
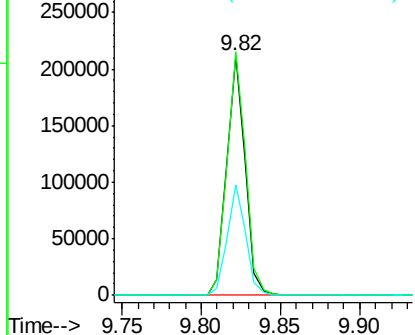
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.02 min  
Lab File: BF099930.D  
Acq: 28 Oct 2017 21:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 169446  
Ion Ratio Lower Upper  
164 100  
162 101.7 86.1 129.1  
160 46.2 38.3 57.5

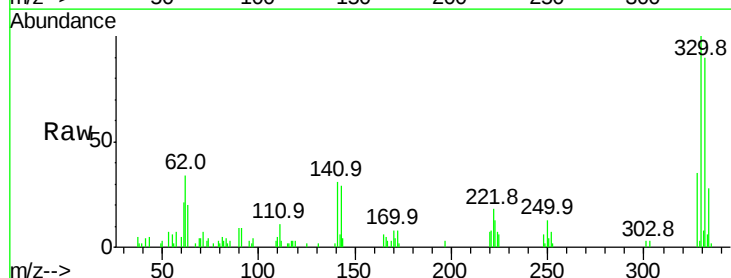


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

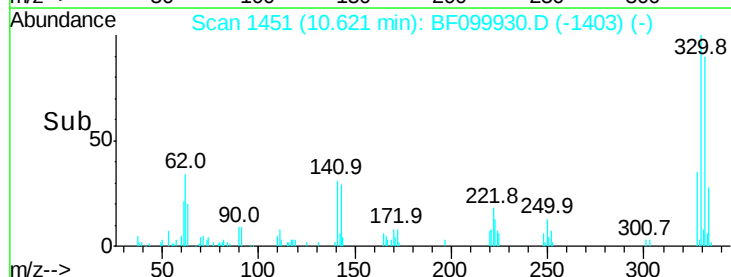
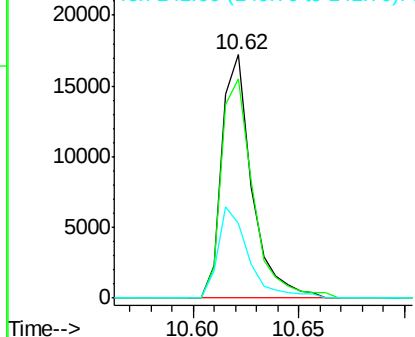


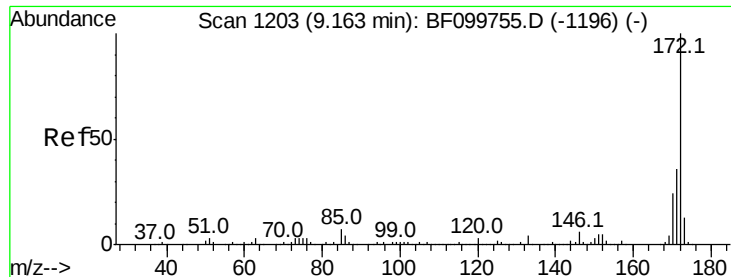
#41  
2,4,6-Tribromophenol  
Concen: 10.988 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.02 min  
Lab File: BF099930.D  
Acq: 28 Oct 2017 21:14

Tgt Ion:330 Resp: 16968  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.0 115.6  
141 38.6 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

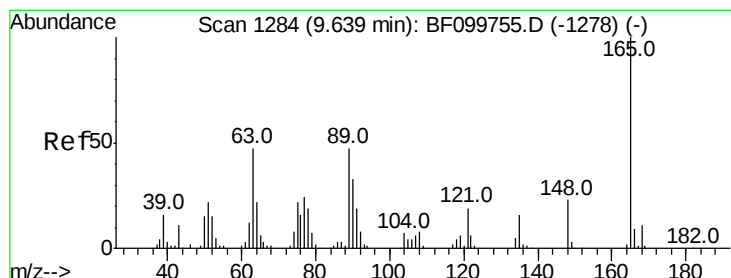
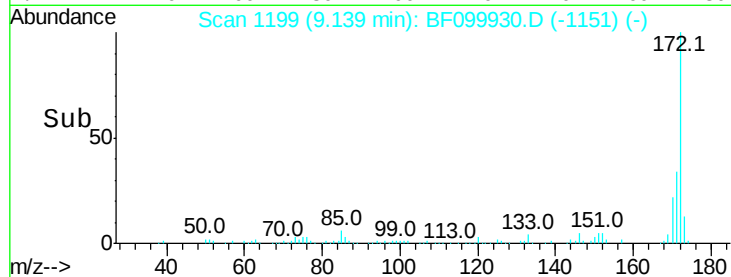
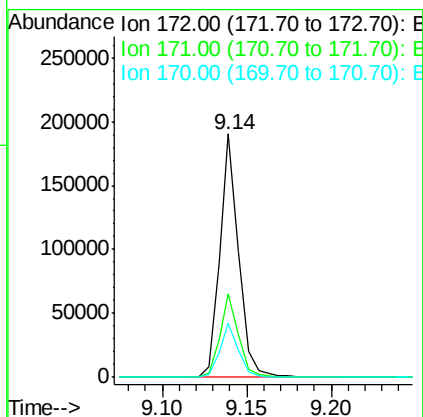
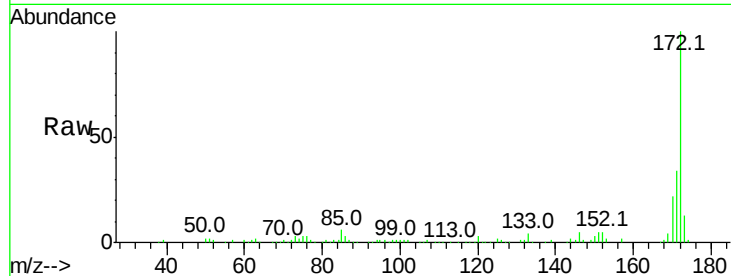




#44  
 2-Fluorobiphenyl  
 Concen: 13.508 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.02 min  
 Lab File: BF099930.D  
 Acq: 28 Oct 2017 21:14

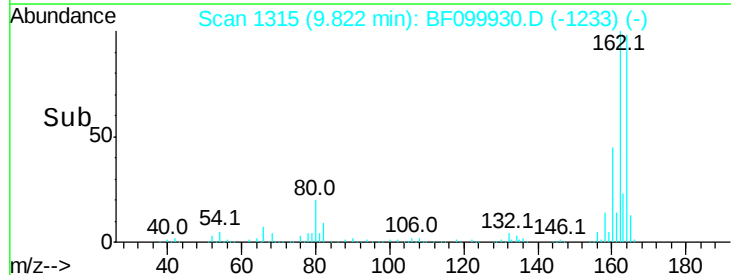
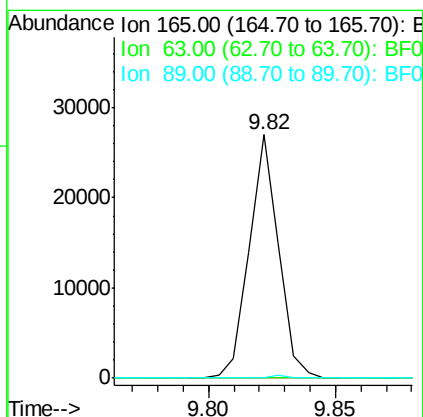
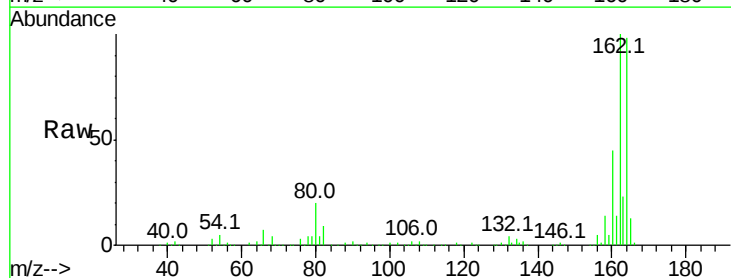
Instrument :  
 BNA\_F  
 ClientSampleId :

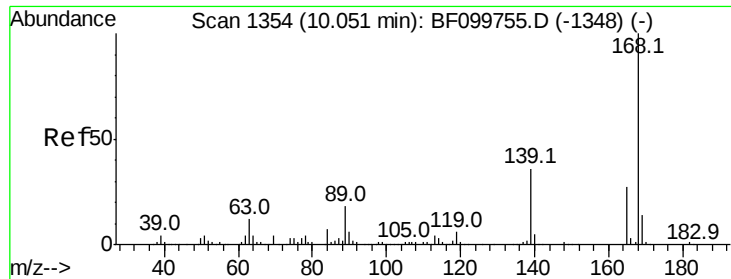
Tot Ion:172 Resp: 148356  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 29.7 44.5  
 170 22.2 19.6 29.4



#50  
 2,6-Dinitrotoluene  
 Concen: 7.678 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. 0.18 min  
 Lab File: BF099930.D  
 Acq: 28 Oct 2017 21:14

Tgt Ion:165 Resp: 21658  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 0.0 44.0 66.0#

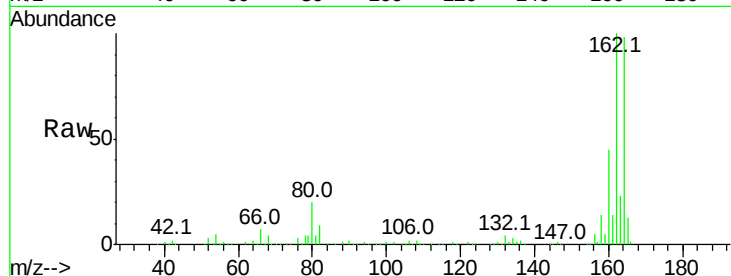




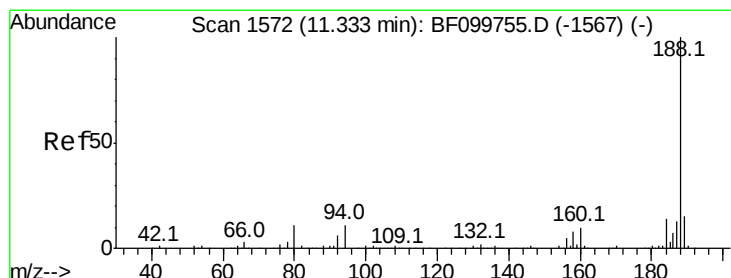
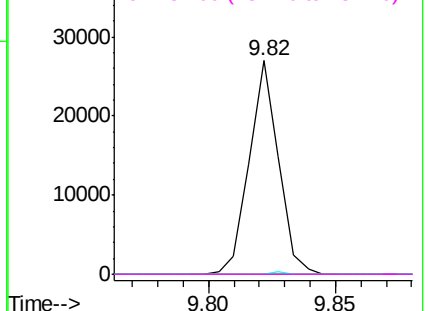
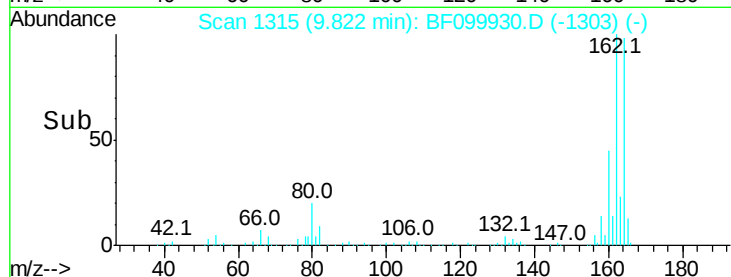
#56  
 2,4-Dinitrotoluene  
 Concen: 6.375 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.23 min  
 Lab File: BF099930.D  
 Acq: 28 Oct 2017 21:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 21658  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.4 54.6#  
 89 0.0 57.8 86.6#  
 182 0.0 1.6 2.4#

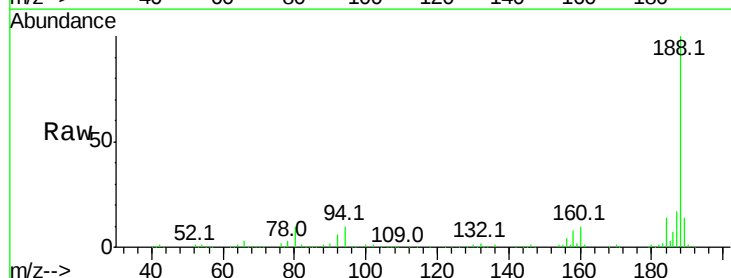


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

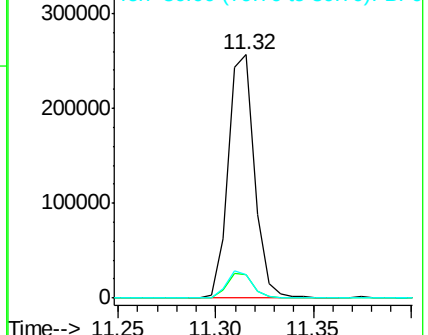
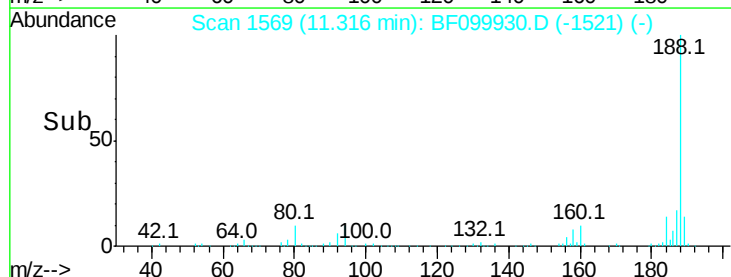


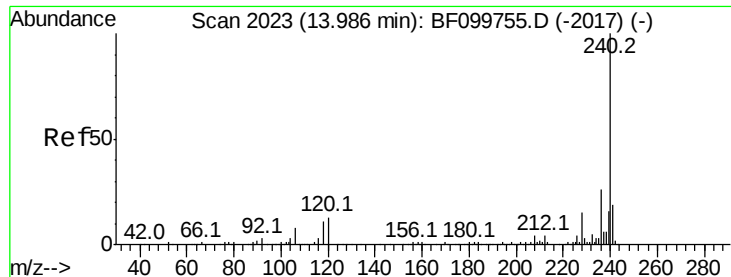
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1569  
 Delta R.T. -0.02 min  
 Lab File: BF099930.D  
 Acq: 28 Oct 2017 21:14

Tgt Ion:188 Resp: 238843  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.5 12.7  
 80 9.7 9.2 13.8



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: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

Instrument :

BNA\_F

ClientSampled :

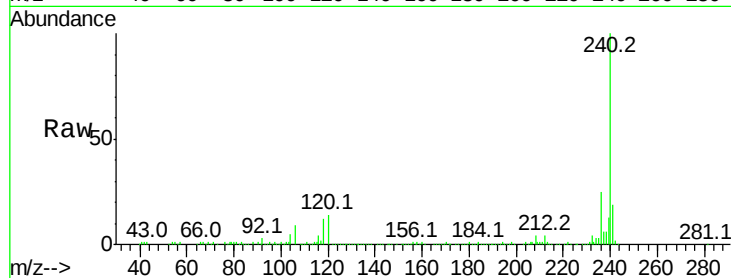
Tot Ion:240 Resp: 185538

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

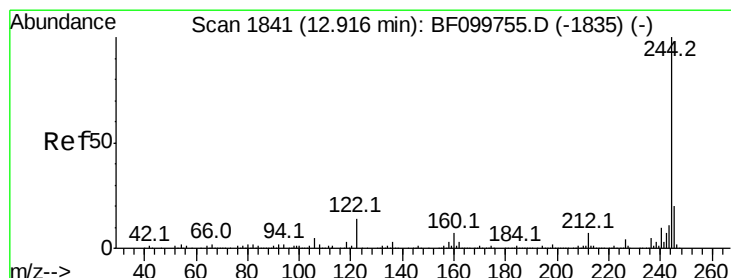
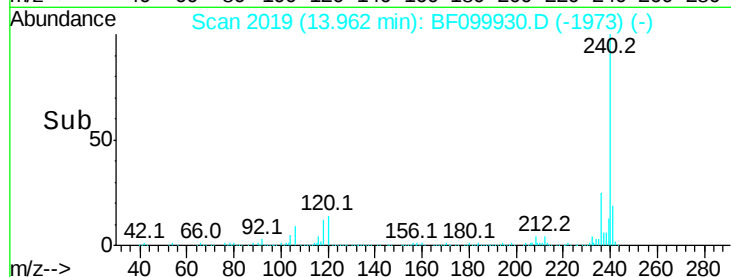
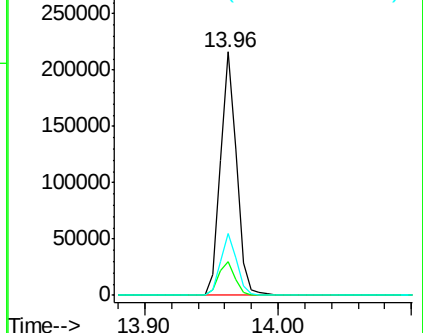
236 25.2 20.7 31.1



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: 9.667 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.03 min

Lab File: BF099930.D

Acq: 28 Oct 2017 21:14

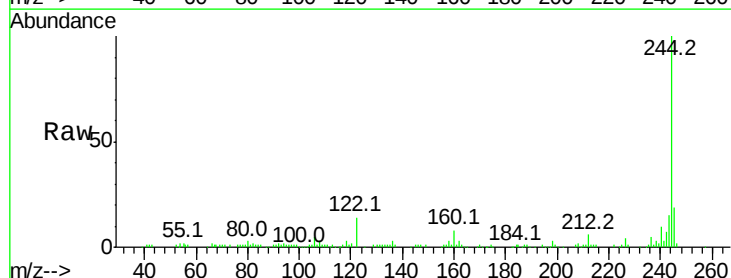
Tgt Ion:244 Resp: 82076

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

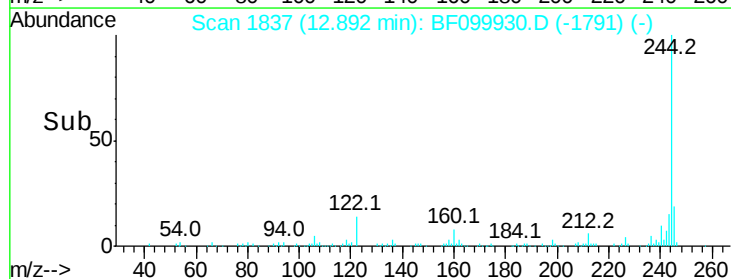
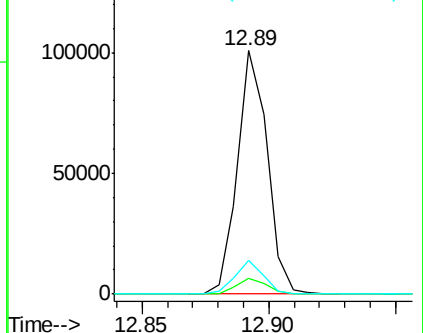
122 13.8 11.0 16.4

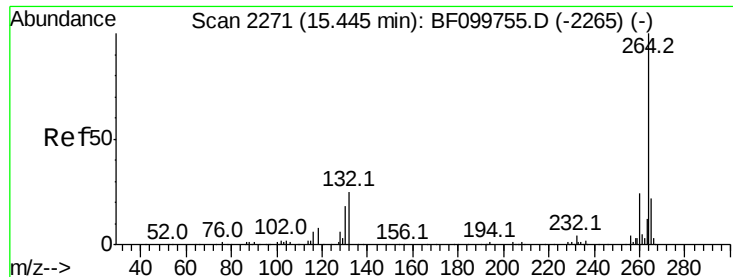


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2268  
Delta R.T. -0.03 min  
Lab File: BF099930.D  
Acq: 28 Oct 2017 21:14

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 184315 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.5  | 19.2  | 28.8   |
| 265      | 20.5  | 17.5  | 26.3   |

