

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\  
 Data File : BF111849.D  
 Acq On : 4 Jan 2019 17:19  
 Operator : JU/SJ  
 Sample : K1018-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 04 23:30:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

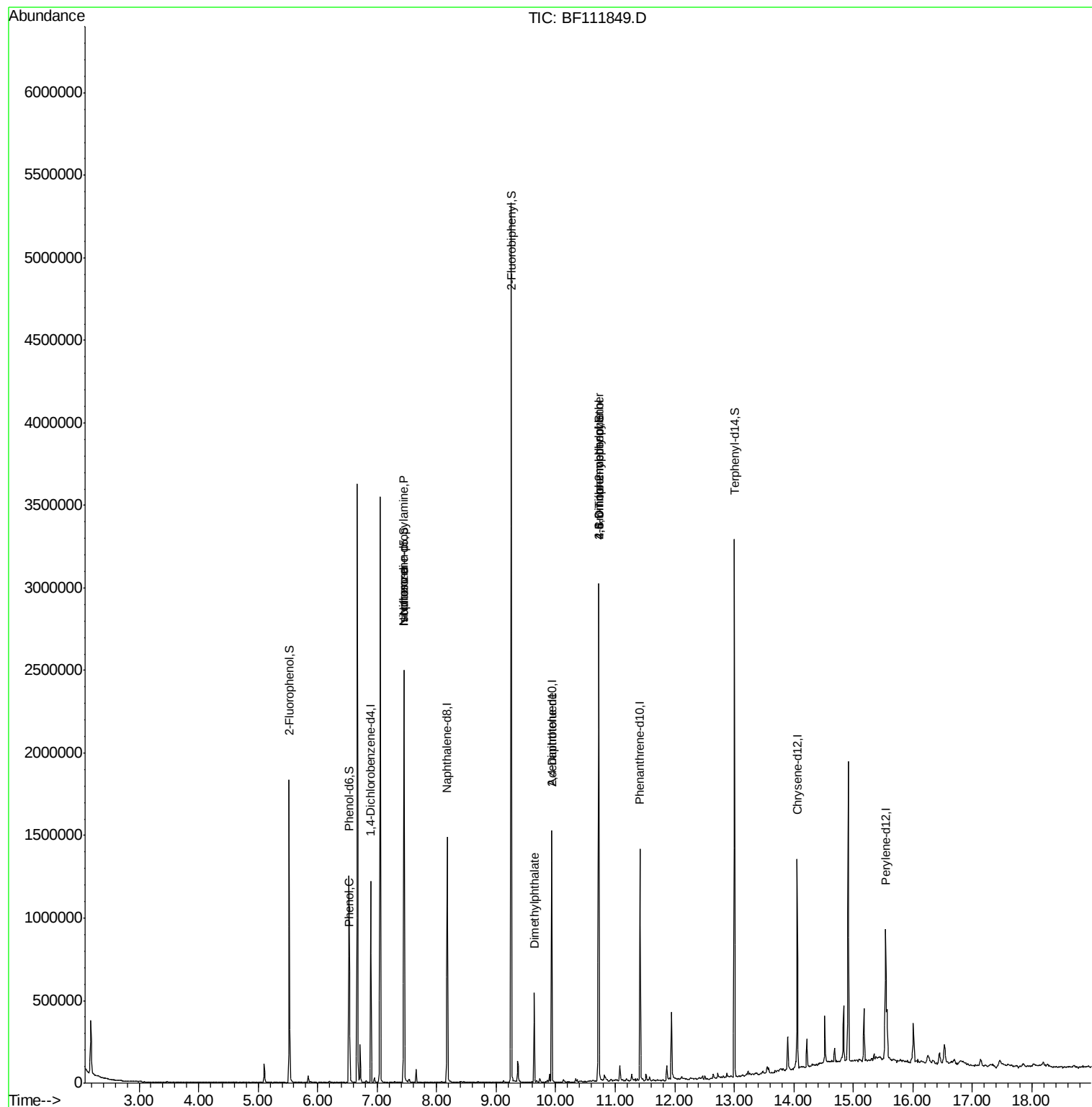
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 167360   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 631174   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 305539   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.42 | 188  | 474995   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.06 | 240  | 408251   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.54 | 264  | 390426   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 474601   | 48.34  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.53  | 99   | 358039   | 28.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 842787   | 77.72  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.72 | 330  | 369890   | 102.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 1604876  | 76.56  | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.00 | 244  | 1178155  | 54.73  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.54  | 94   | 44768    | 3.175  | ng    | 98       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 115677   | 13.940 | ng    | # 78     |
| 25) Isophorone                 | 7.45  | 82   | 842773   | 43.780 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.64  | 163  | 195807   | 8.764  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.93  | 165  | 38241    | 7.142  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 10.72 | 198  | 639      | 6.973  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.72 | 248  | 22456    | 3.812  | ng    | # 1      |

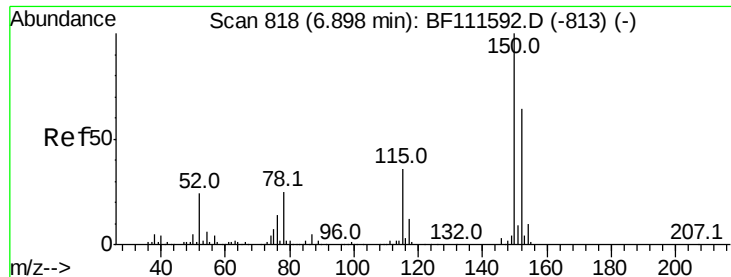
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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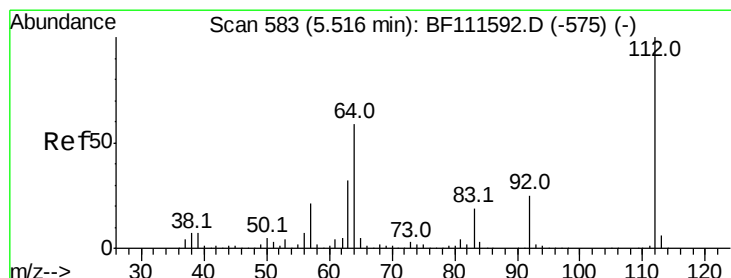
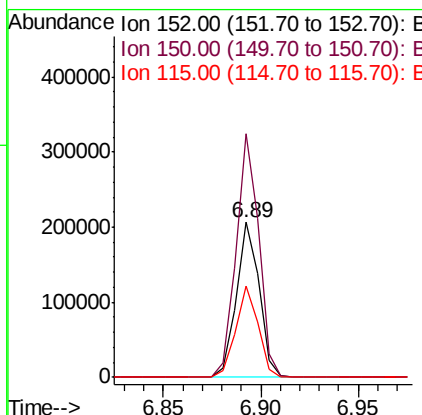
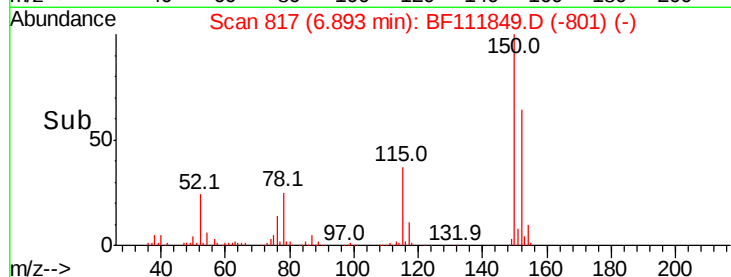
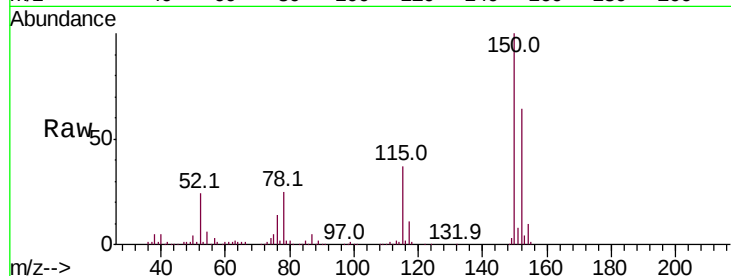


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Instrument :  
BNA\_G  
ClientSampleId :

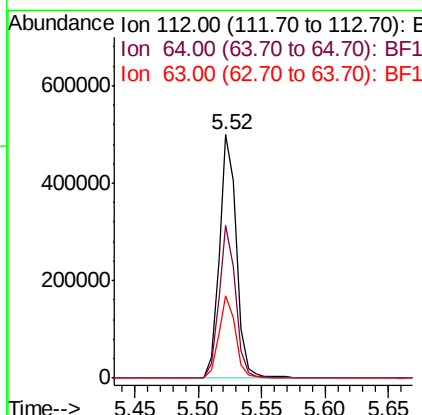
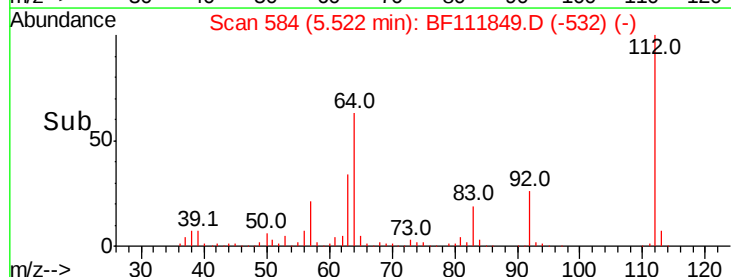
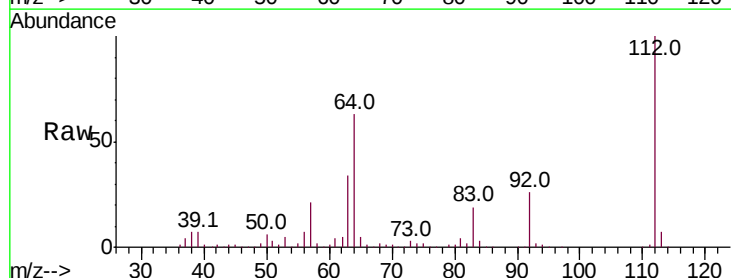
Tot Ion:152 Resp: 167360  
Ion Ratio Lower Upper  
152 100  
150 157.4 126.6 189.8  
115 58.9 50.7 76.1

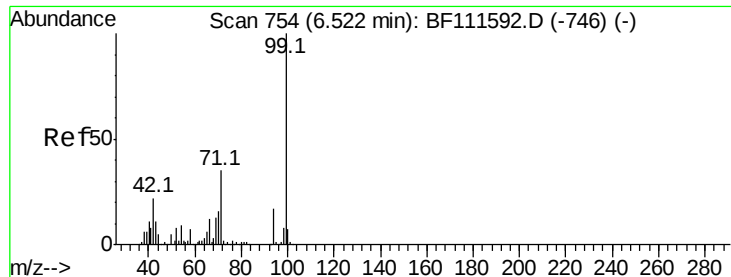


#5

2-Fluorophenol  
Concen: 48.337 ng  
RT: 5.52 min Scan# 584  
Delta R.T. 0.01 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Tgt Ion:112 Resp: 474601  
Ion Ratio Lower Upper  
112 100  
64 62.6 51.8 77.6  
63 33.6 26.8 40.2





#7

Phenol-d6

Concen: 28.653 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

Instrument :

BNA\_G

ClientSampleId :

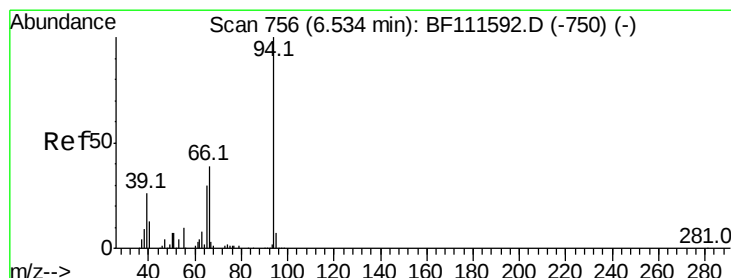
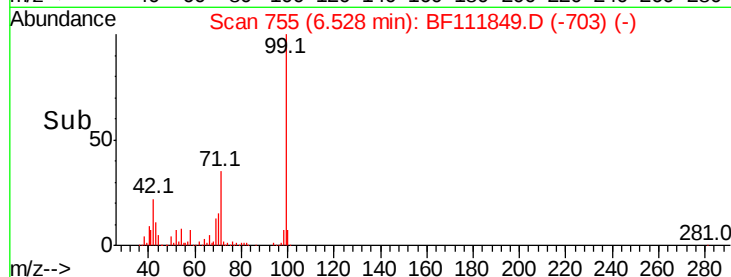
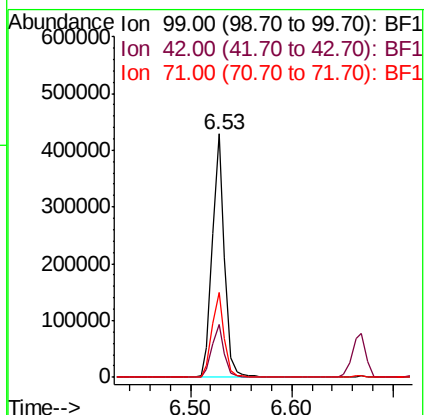
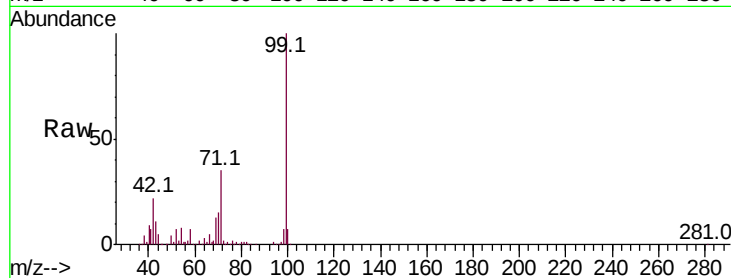
Tot Ion: 99 Resp: 358039

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

71 35.1 26.1 39.1



#10

Phenol

Concen: 3.175 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

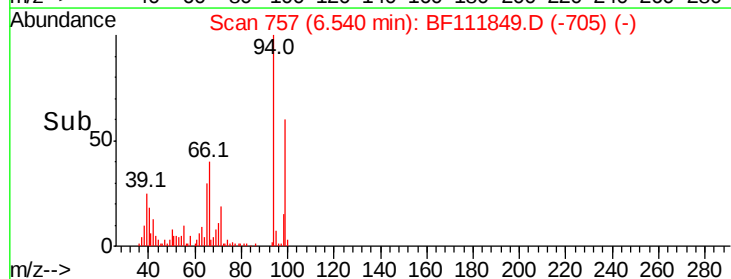
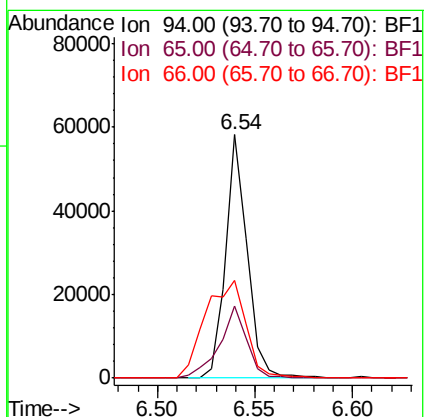
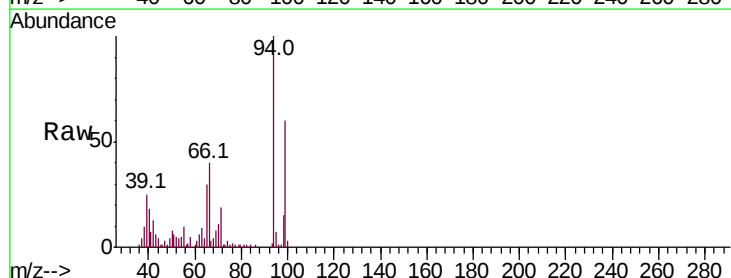
Tgt Ion: 94 Resp: 44768

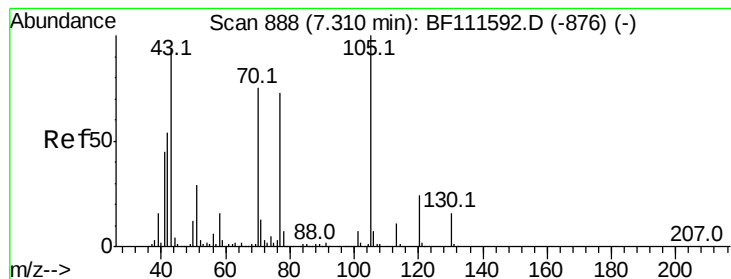
Ion Ratio Lower Upper

94 100

65 29.6 11.7 51.7

66 40.2 21.0 61.0





#19

n-Nitroso-di-n-propylamine

Concen: 13.940 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 115677

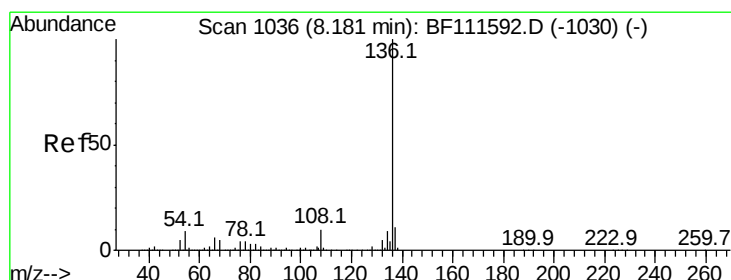
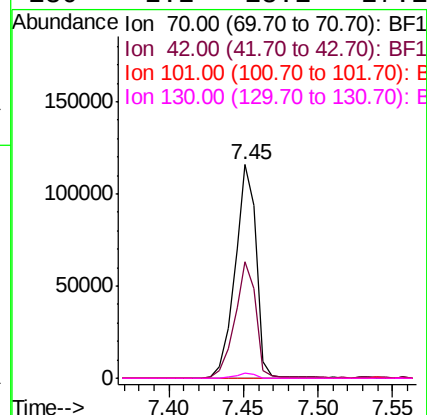
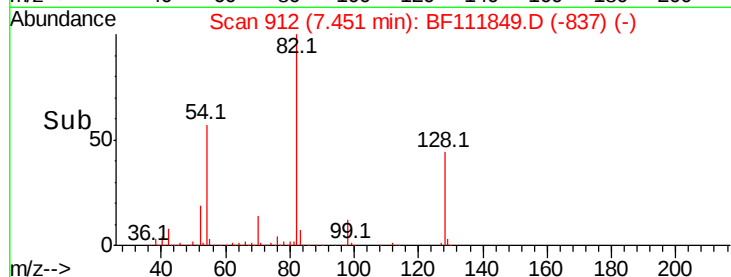
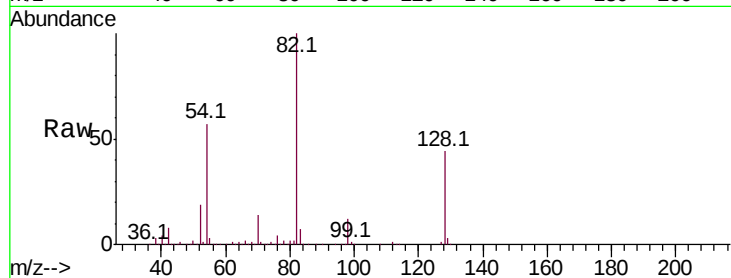
Ion Ratio Lower Upper

70 100

42 54.7 53.2 79.8

101 0.0 8.2 12.4#

130 2.2 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

Tgt Ion: 136 Resp: 631174

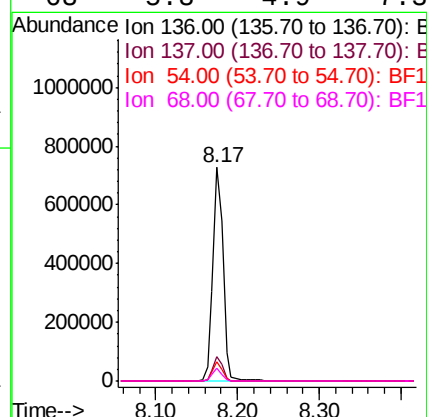
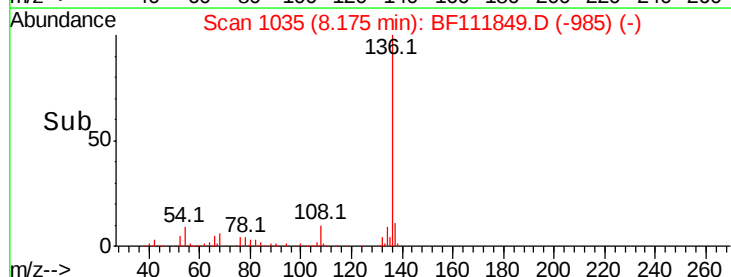
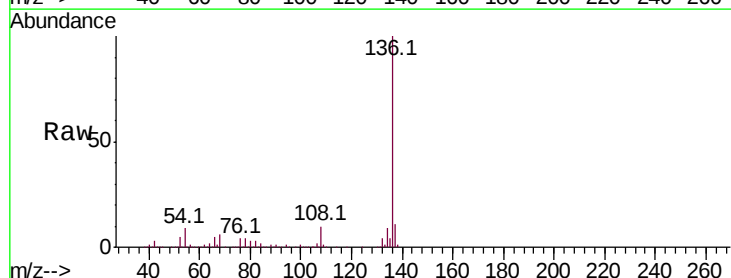
Ion Ratio Lower Upper

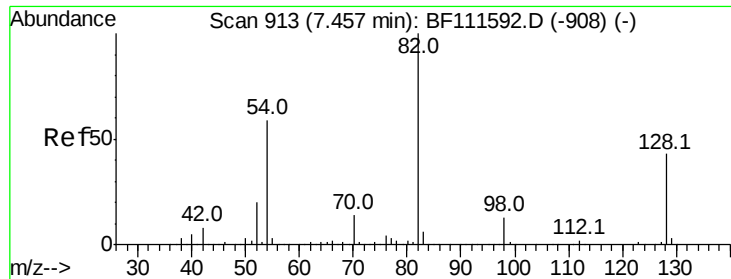
136 100

137 11.1 9.1 13.7

54 8.9 7.7 11.5

68 5.8 4.9 7.3

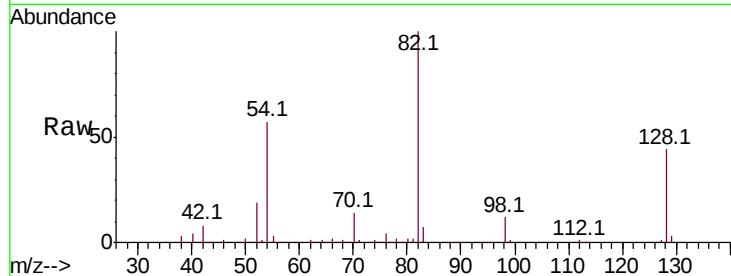




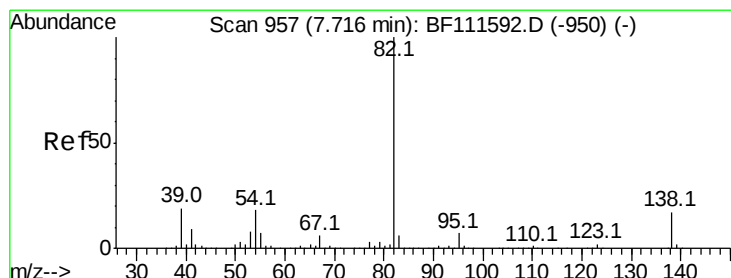
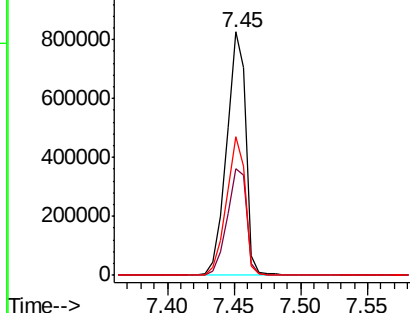
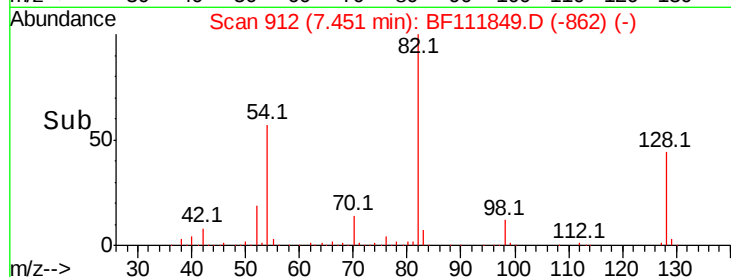
#23  
Nitrobenzene-d5  
Concen: 77.723 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 842787  
Ion Ratio Lower Upper  
82 100  
128 43.9 37.4 56.2  
54 56.9 47.6 71.4

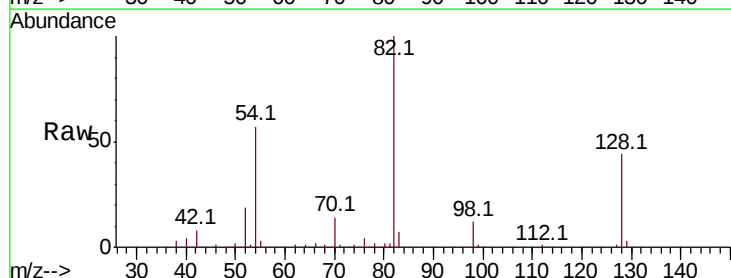


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

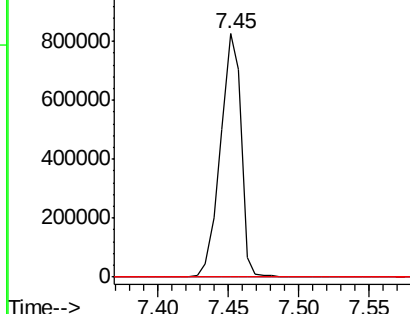
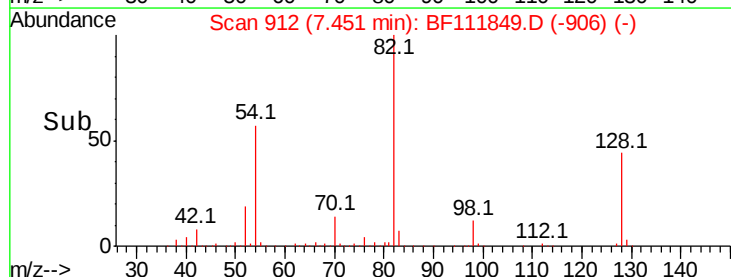


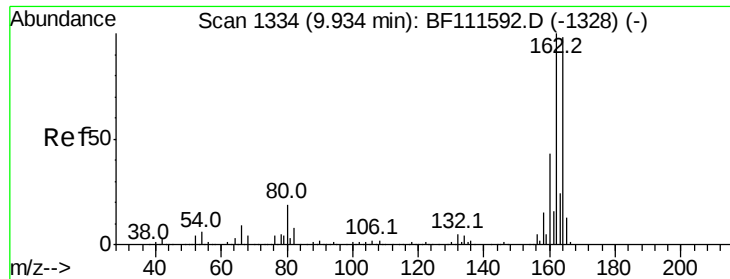
#25  
Isophorone  
Concen: 43.780 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.26 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Tgt Ion: 82 Resp: 842773  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 15.1 22.7#



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

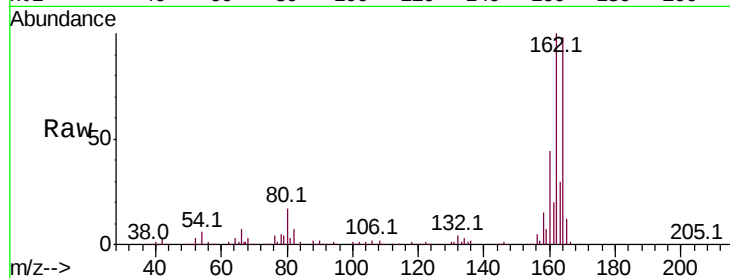




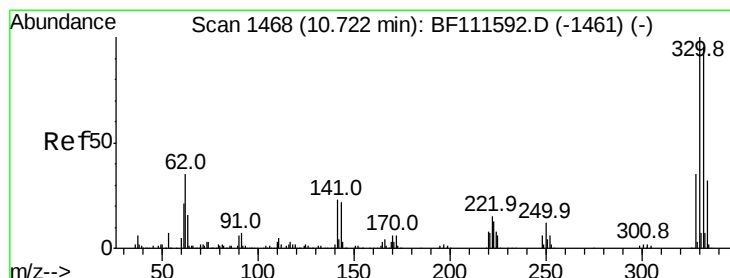
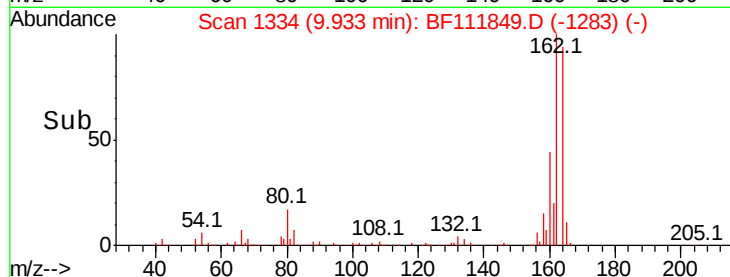
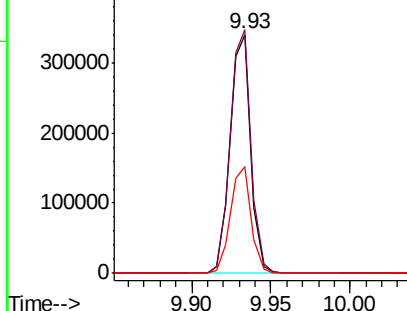
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: BF111849.D  
 Acq: 4 Jan 2019 17:19

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:164 Resp: 305539  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 81.4 122.0  
 160 44.9 35.7 53.5

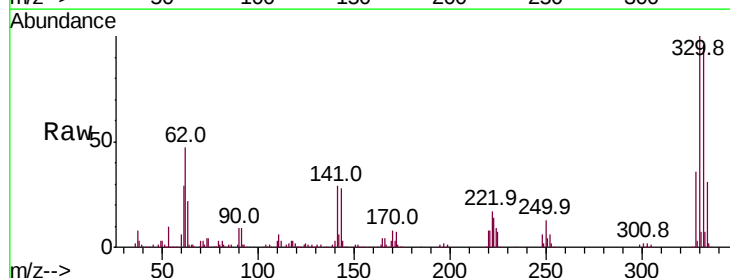


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

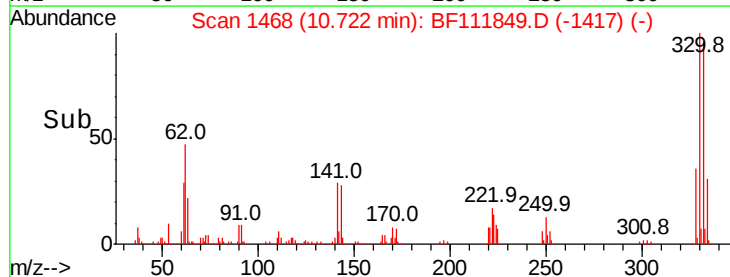
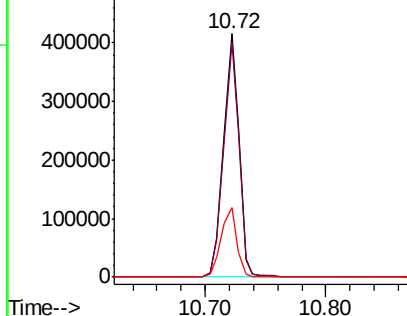


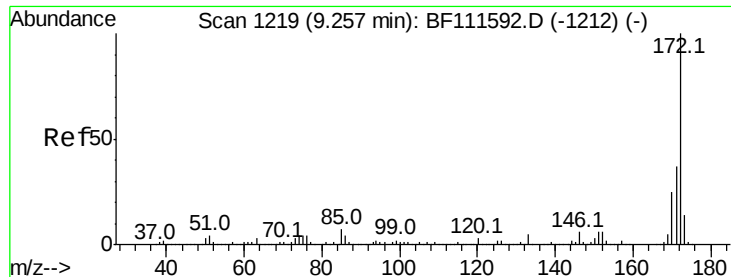
#42  
 2,4,6-Tribromophenol  
 Concen: 102.458 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. -0.00 min  
 Lab File: BF111849.D  
 Acq: 4 Jan 2019 17:19

Tgt Ion:330 Resp: 369890  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.0 114.0  
 141 28.7 31.0 46.6#



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

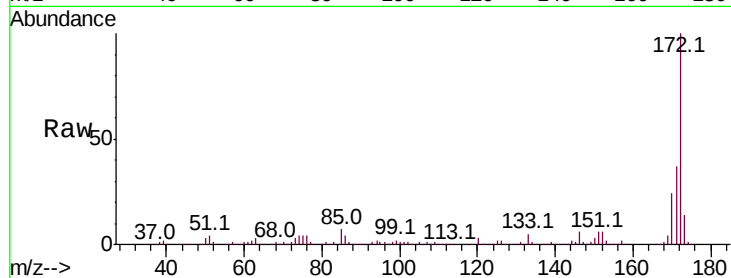




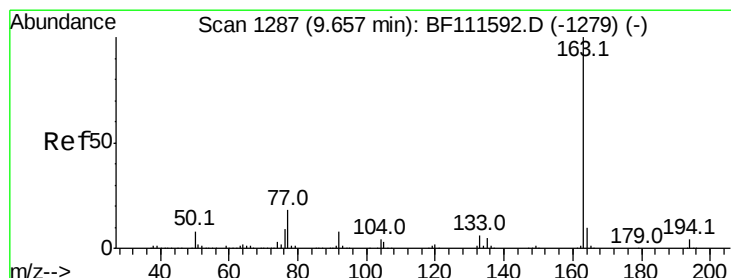
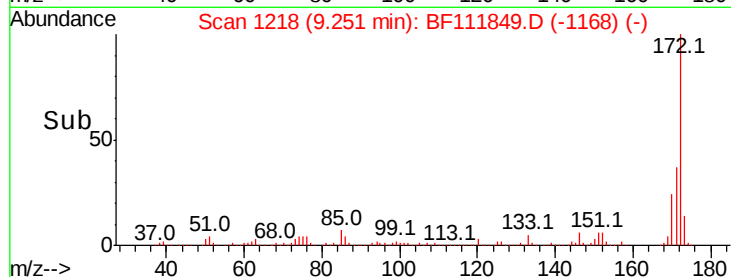
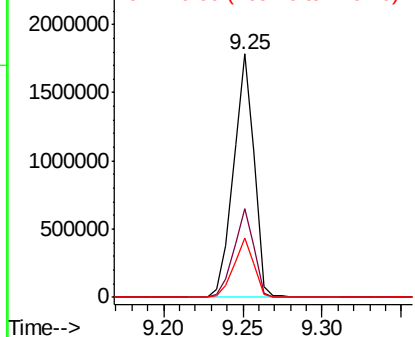
#45  
2-Fluorobiphenyl  
Concen: 76.561 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:172 Resp: 1604876  
Ion Ratio Lower Upper  
172 100  
171 36.7 33.0 49.4  
170 24.4 22.3 33.5

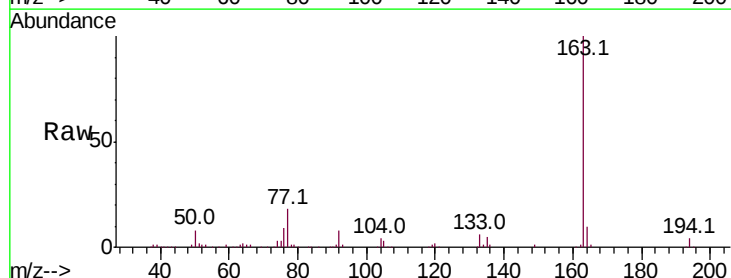


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

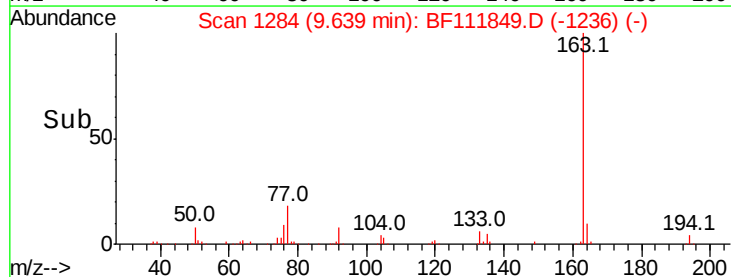
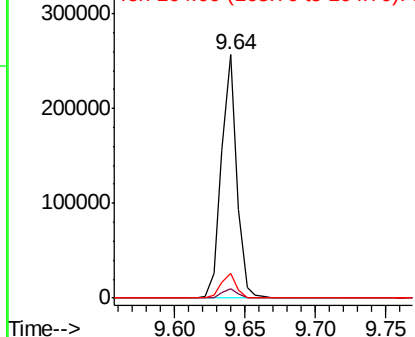


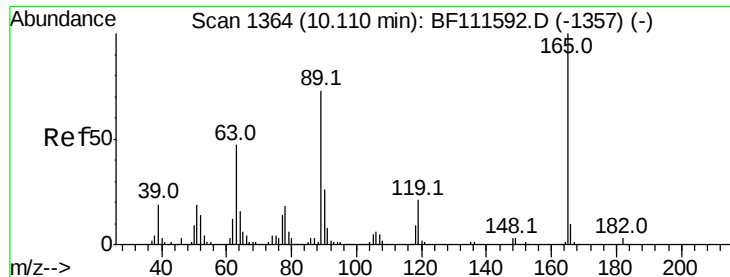
#50  
Dimethylphthalate  
Concen: 8.764 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Tgt Ion:163 Resp: 195807  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.6  
164 9.9 8.9 13.3



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

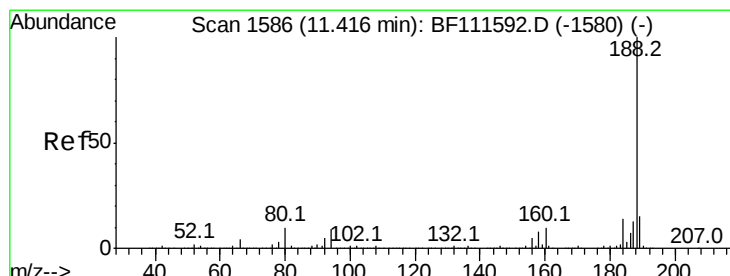
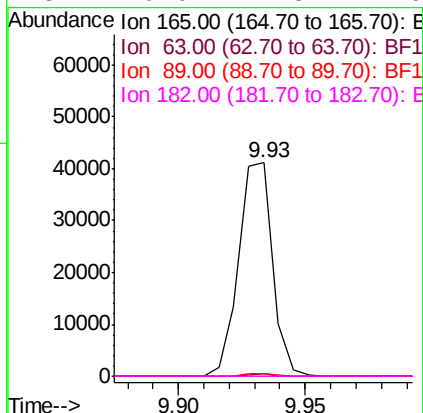
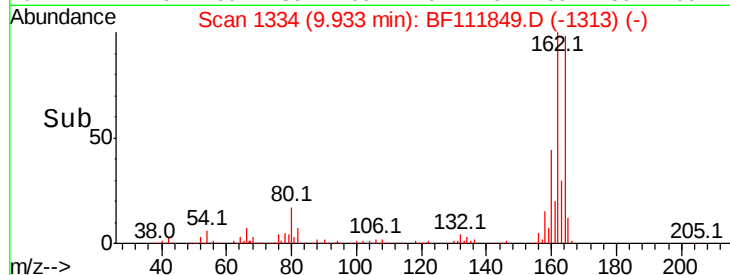
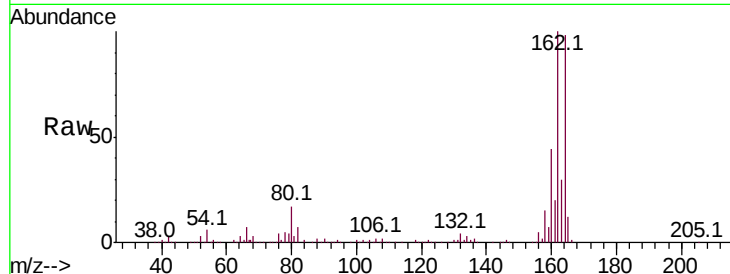




#57  
 2,4-Dinitrotoluene  
 Concen: 7.142 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.18 min  
 Lab File: BF111849.D  
 Acq: 4 Jan 2019 17:19

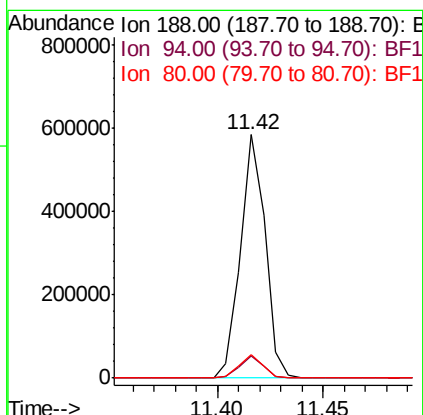
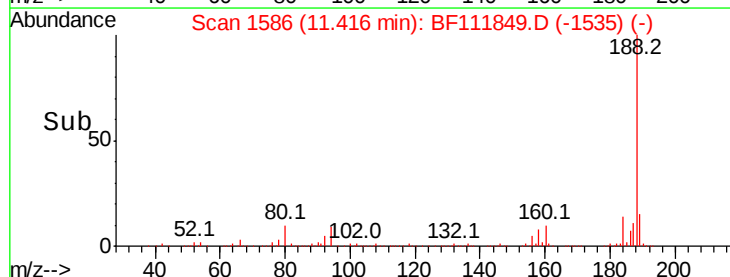
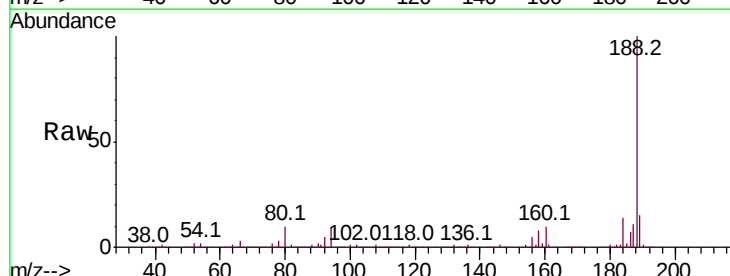
Instrument :  
 BNA\_G  
 ClientSampleId :

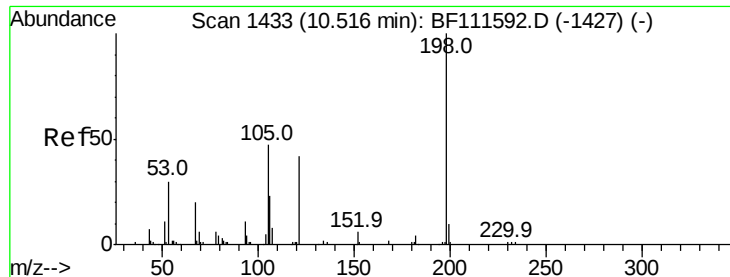
|             |       |       |  |
|-------------|-------|-------|--|
| Tot Ion:165 | Resp: | 38241 |  |
| Ion Ratio   | Lower | Upper |  |
| 165 100     |       |       |  |
| 63 1.4      | 34.6  | 52.0# |  |
| 89 1.1      | 56.2  | 84.4# |  |
| 182 0.0     | 1.8   | 2.6#  |  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: BF111849.D  
 Acq: 4 Jan 2019 17:19

|         |       |       |        |
|---------|-------|-------|--------|
| Tgt Ion | 188   | Resp: | 474995 |
| Ion     | Ratio | Lower | Upper  |
| 188     | 100   |       |        |
| 94      | 9.0   | 9.6   | 14.4#  |
| 80      | 9.6   | 9.8   | 14.6#  |

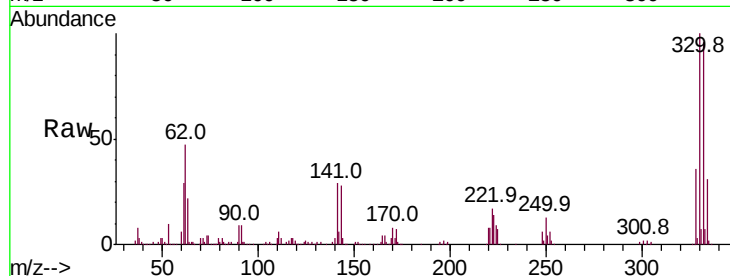




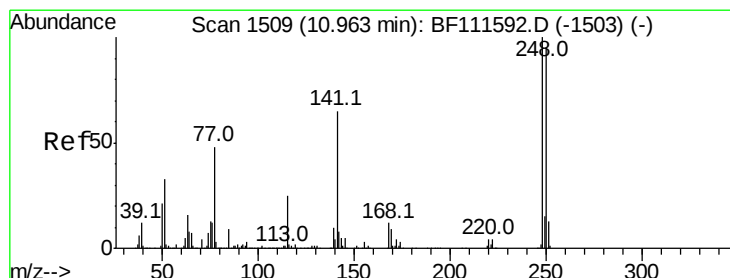
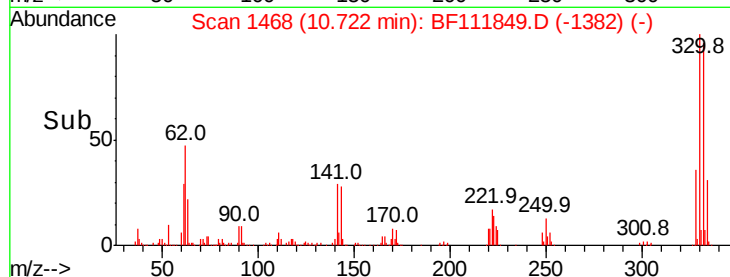
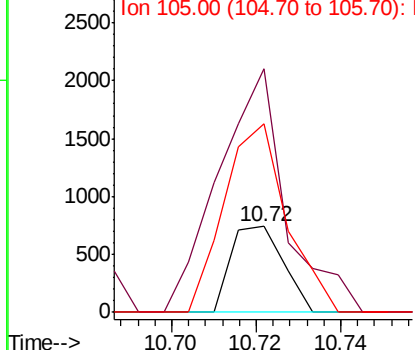
#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.973 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. 0.21 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:198 Resp: 639  
Ion Ratio Lower Upper  
198 100  
51 283.7 48.0 88.0#  
105 219.2 34.0 74.0#

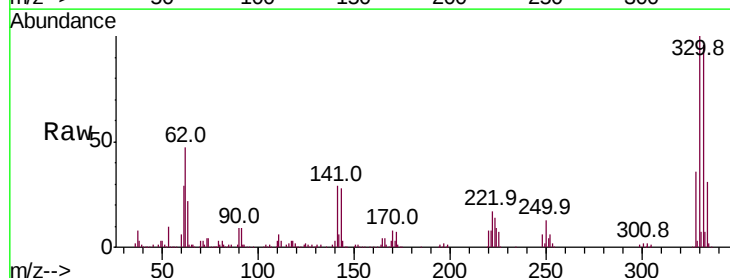


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

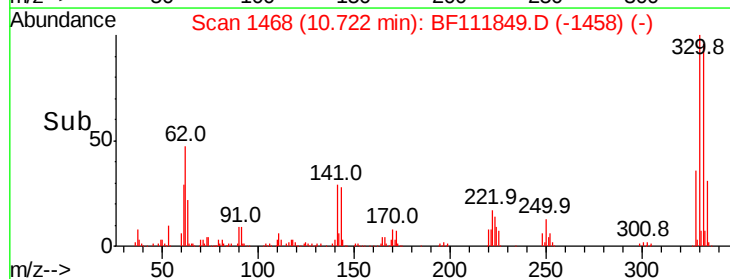
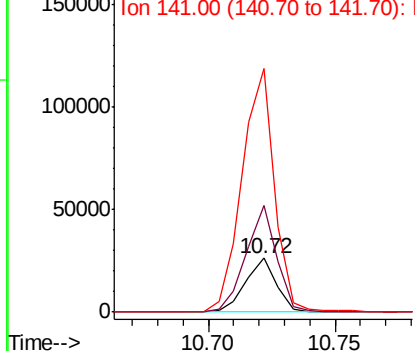


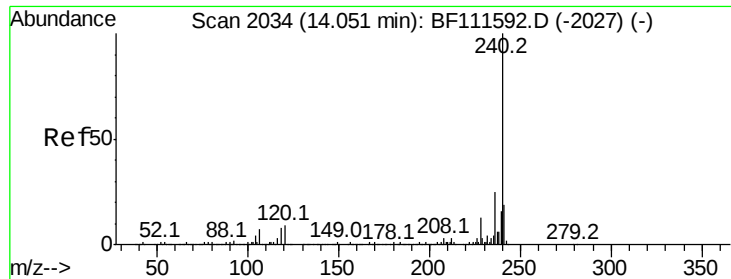
#67  
4-Bromophenyl-phenylether  
Concen: 3.812 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. -0.24 min  
Lab File: BF111849.D  
Acq: 4 Jan 2019 17:19

Tgt Ion:248 Resp: 22456  
Ion Ratio Lower Upper  
248 100  
250 198.1 77.0 115.4#  
141 450.7 63.0 94.6#



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





#76

Chrvsene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

Instrument :

BNA\_G

ClientSampleId :

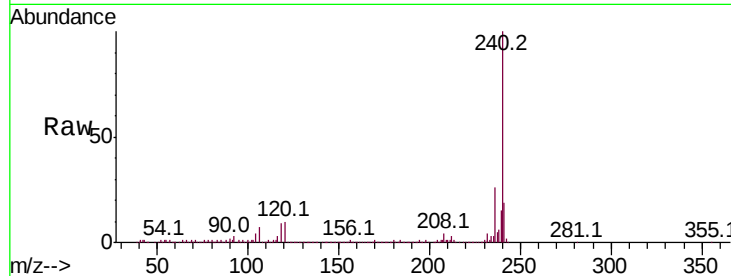
Tot Ion:240 Resp: 408251

Ion Ratio Lower Upper

240 100

120 9.6 12.2 18.2#

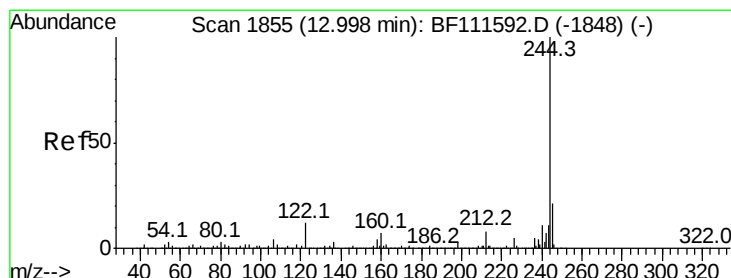
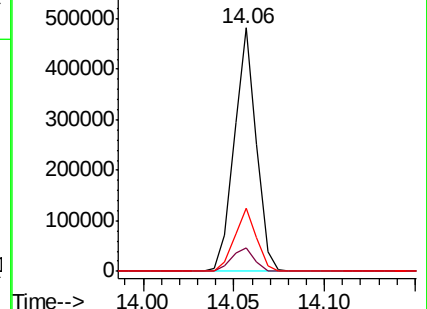
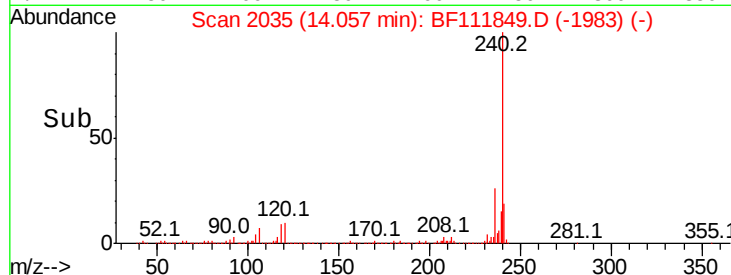
236 25.8 20.2 30.2



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



#79

Terphenyl-d14

Concen: 54.728 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111849.D

Acq: 4 Jan 2019 17:19

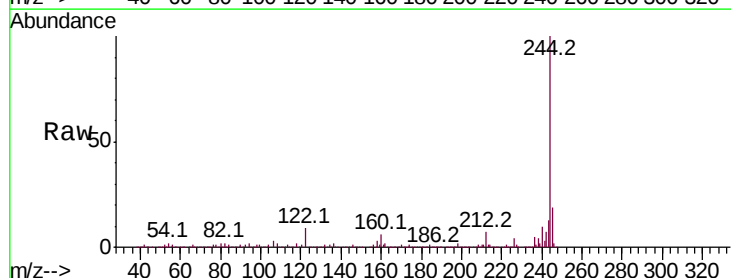
Tgt Ion:244 Resp: 1178155

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

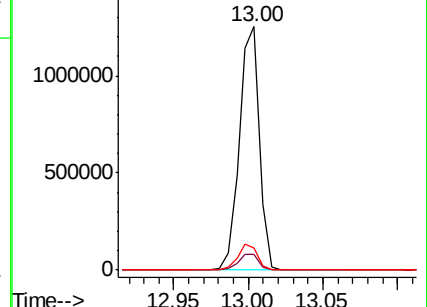
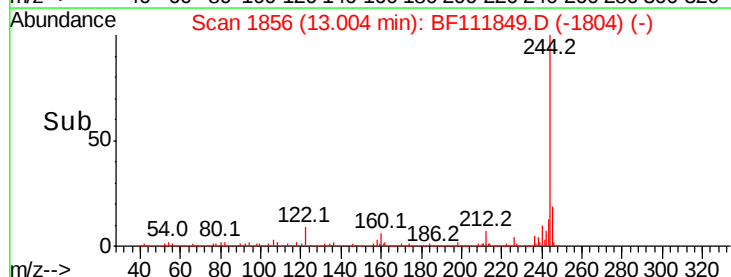
122 9.1 13.1 19.7#

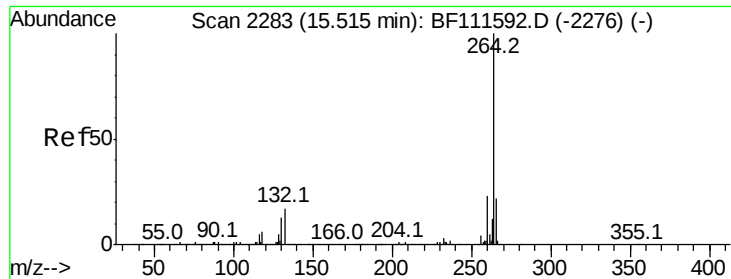


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

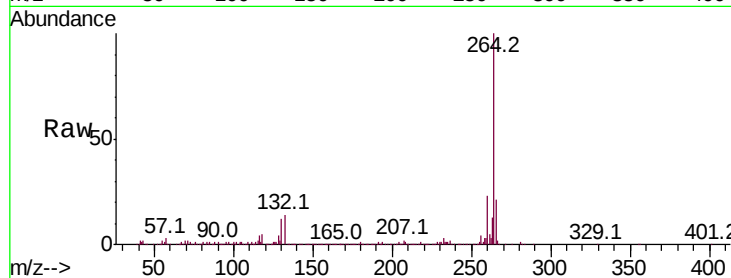




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2288  
 Delta R.T. 0.03 min  
 Lab File: BF111849.D  
 Acq: 4 Jan 2019 17:19

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.3  | 27.5  |
| 265     | 20.7  | 17.7  | 26.5  |



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

