

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082318\  
 Data File : BF108448.D  
 Acq On : 24 Aug 2018 4:37  
 Operator : JU/SJ  
 Sample : J4535-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-040

Quant Time: Aug 24 05:38:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

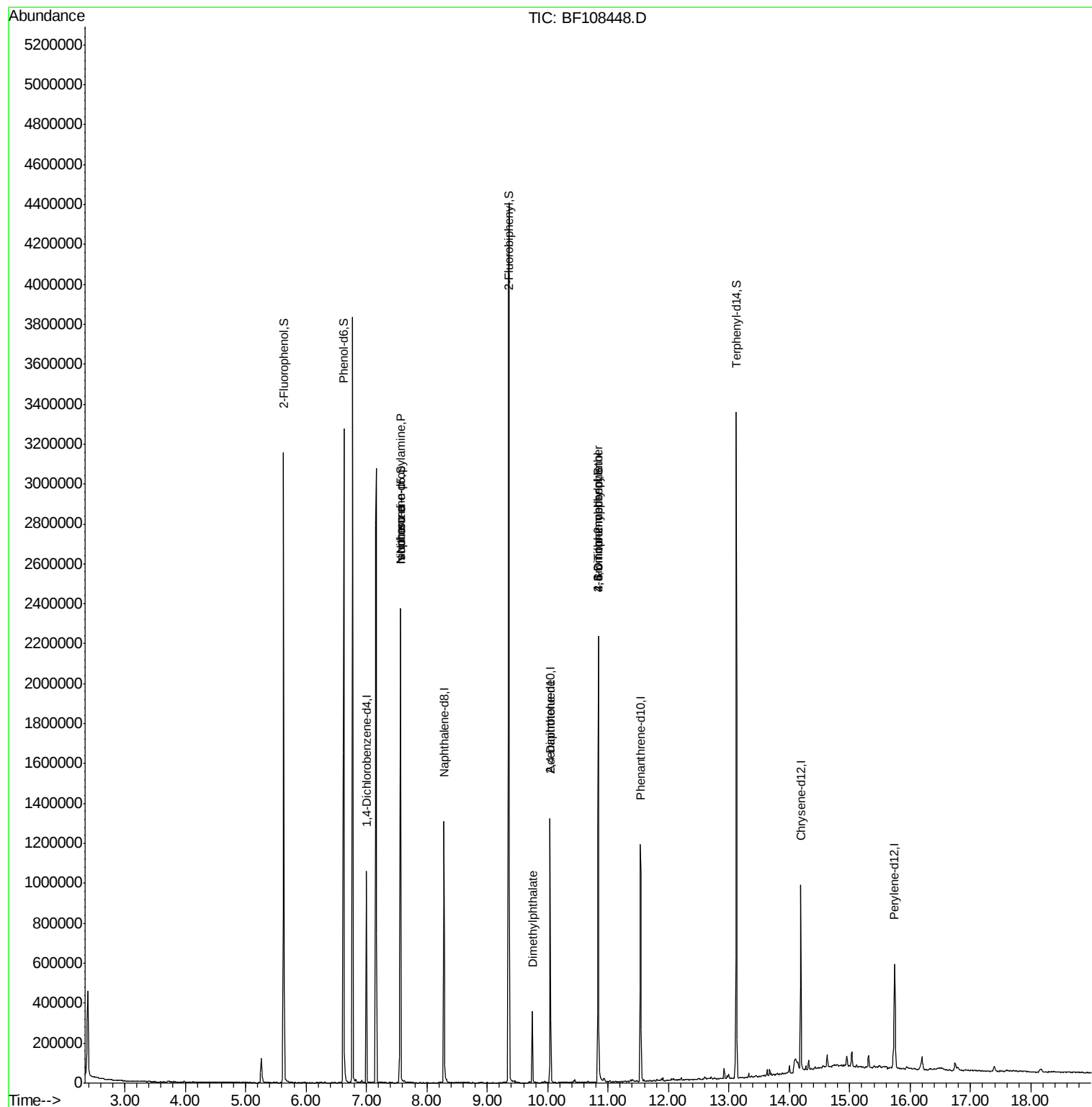
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 150596   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 560980   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.04 | 164  | 265898   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.54 | 188  | 439221   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.19 | 240  | 319378   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.74 | 264  | 271426   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 912068   | 109.65 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.62  | 99   | 1225231  | 110.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 814005   | 80.97  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 267695   | 100.93 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.36  | 172  | 1443134  | 87.14  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.12 | 244  | 1064723  | 84.76  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 110876   | 14.833 | ng    | # 81     |
| 25) Isophorone                 | 7.57  | 82   | 813999   | 42.481 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.75  | 163  | 159991   | 8.638  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 34423    | 6.901  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.84 | 198  | 587      | 5.675  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 17032    | 3.568  | ng    | # 1      |

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

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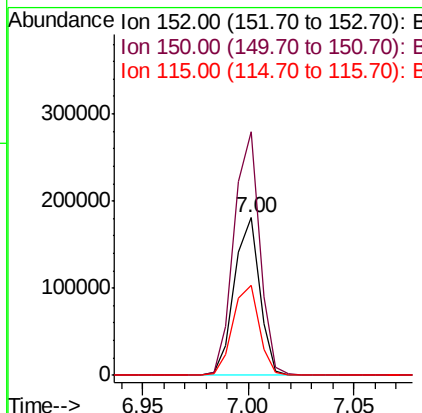
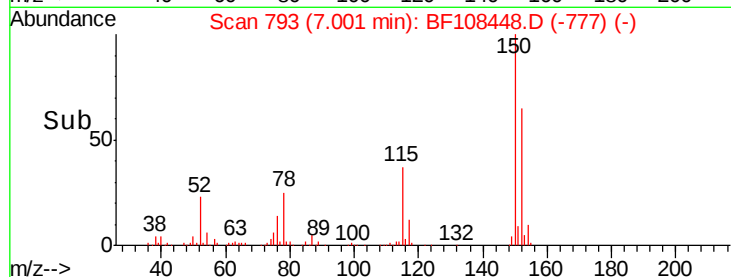
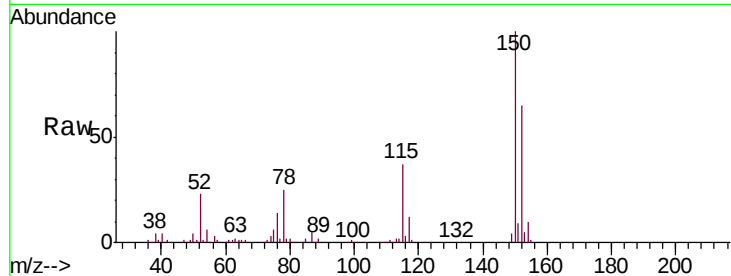


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108448.D  
Acq: 24 Aug 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-040

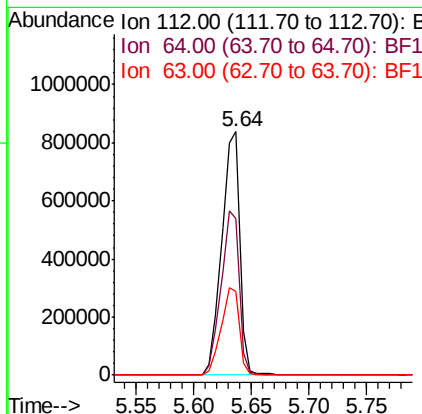
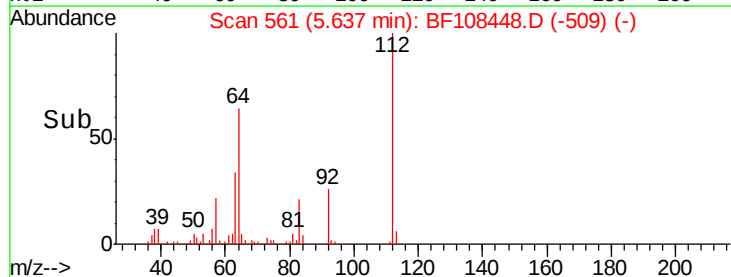
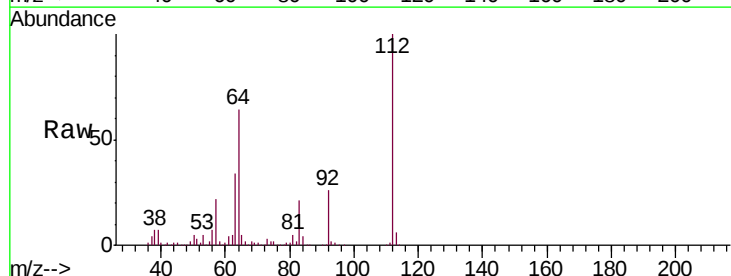
Tgt Ion:152 Resp: 150596  
Ion Ratio Lower Upper  
152 100  
150 154.4 124.6 186.8  
115 56.9 50.1 75.1



#5

2-Fluorophenol  
Concen: 109.648 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108448.D  
Acq: 24 Aug 2018 4:37

Tgt Ion:112 Resp: 912068  
Ion Ratio Lower Upper  
112 100  
64 64.3 47.9 71.9  
63 34.2 23.7 35.5





#7

Phenol-d6

Concen: 110.844 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-040

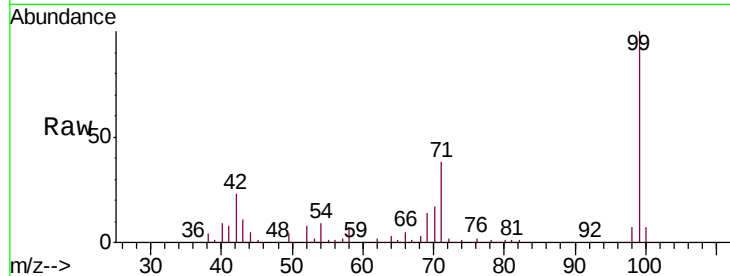
Tgt Ion: 99 Resp: 1225231

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

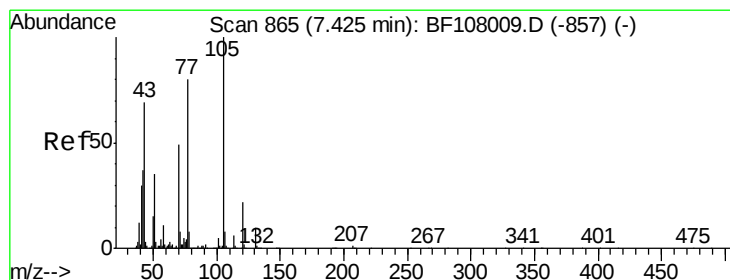
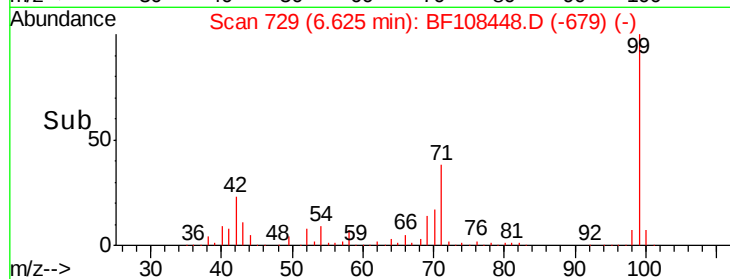
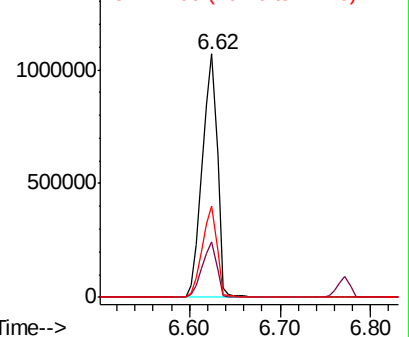
71 37.6 25.4 38.0



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: 14.833 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

Tgt Ion: 70 Resp: 110876

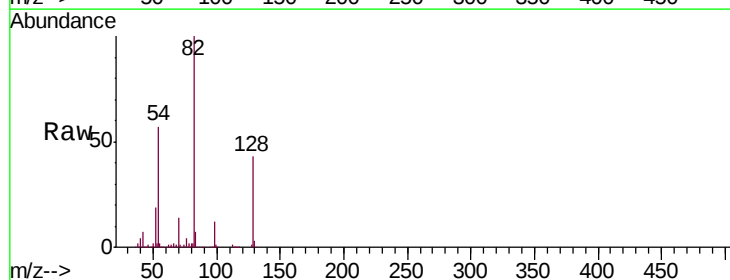
Ion Ratio Lower Upper

70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

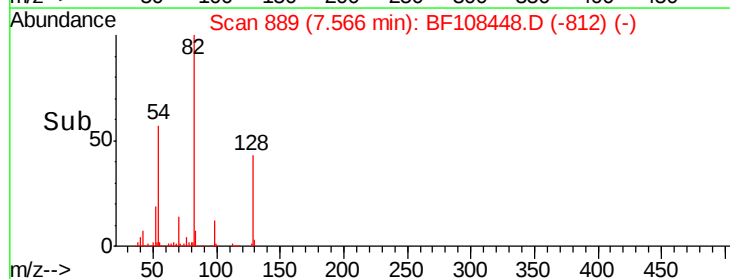
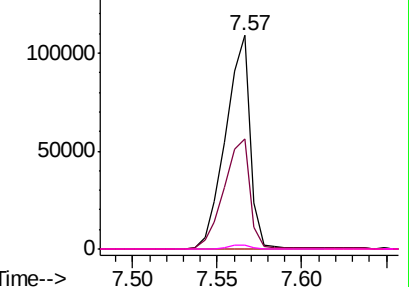


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-040

Tgt Ion: 136 Resp: 560980

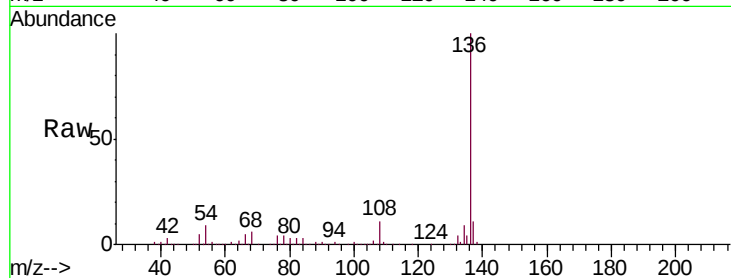
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 5.6 5.0 7.4

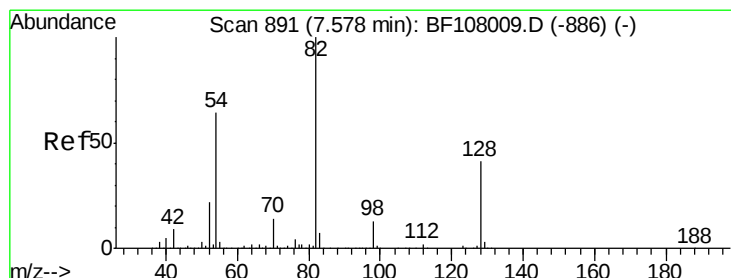
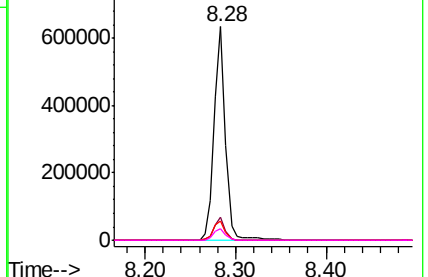
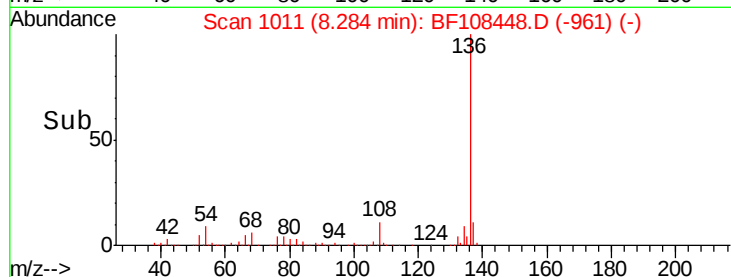


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.970 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

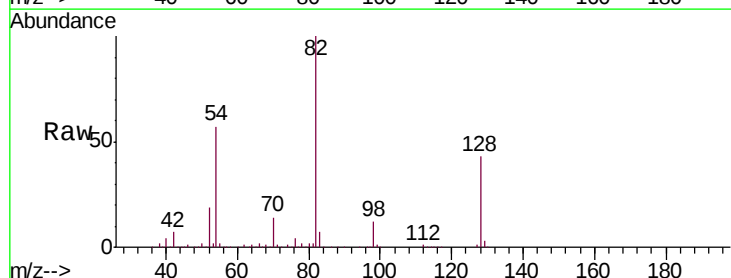
Tgt Ion: 82 Resp: 814005

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

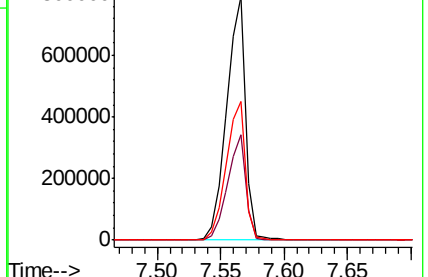
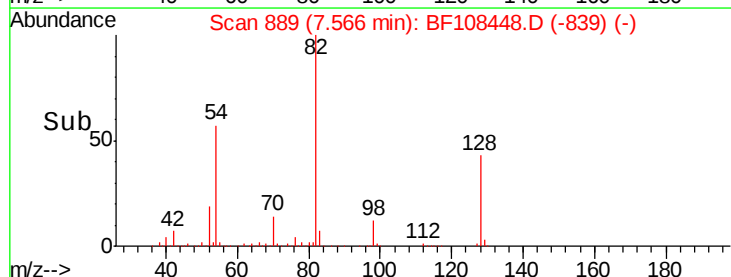
54 56.7 41.4 62.2



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: 42.481 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

Instrument :

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ClientSampleId :

RA-081618-FL-040

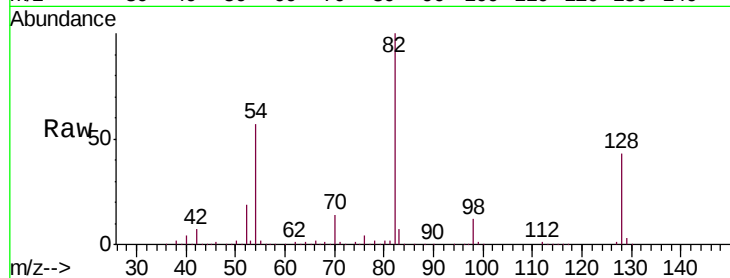
Tgt Ion: 82 Resp: 813999

Ion Ratio Lower Upper

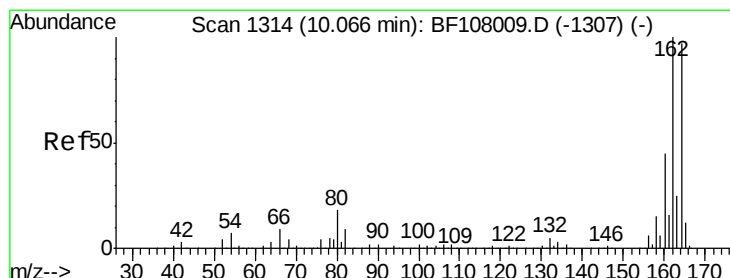
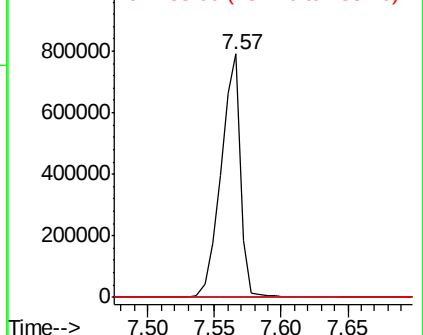
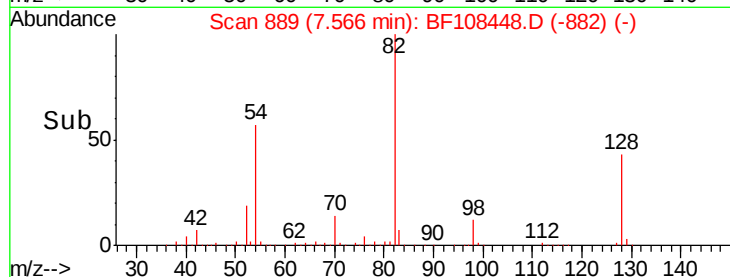
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): 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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108448.D

Acq: 24 Aug 2018 4:37

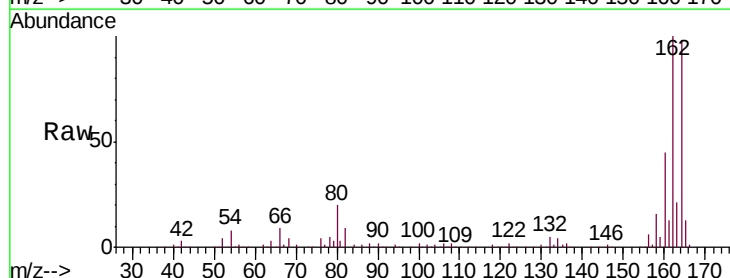
Tgt Ion: 164 Resp: 265898

Ion Ratio Lower Upper

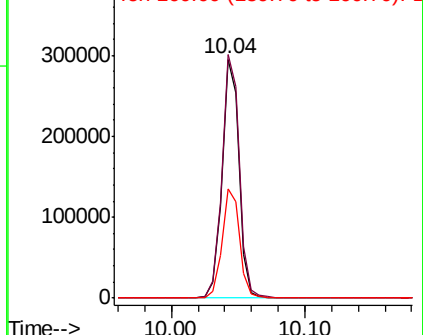
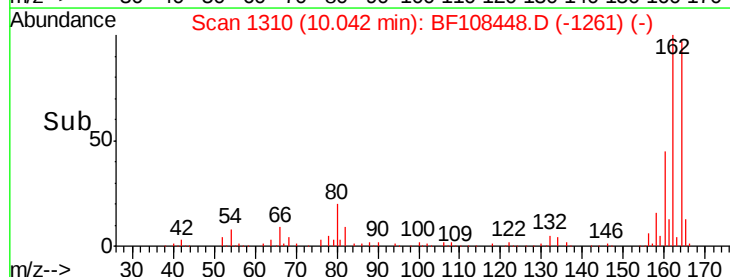
164 100

162 101.9 86.1 129.1

160 45.8 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

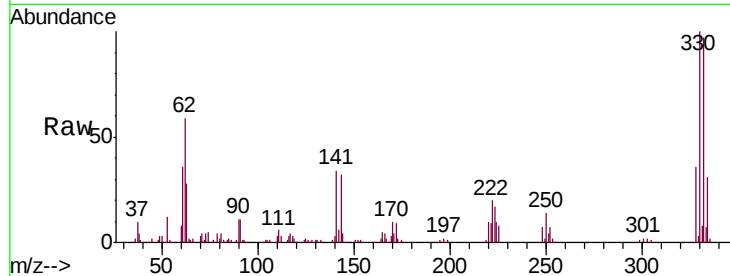




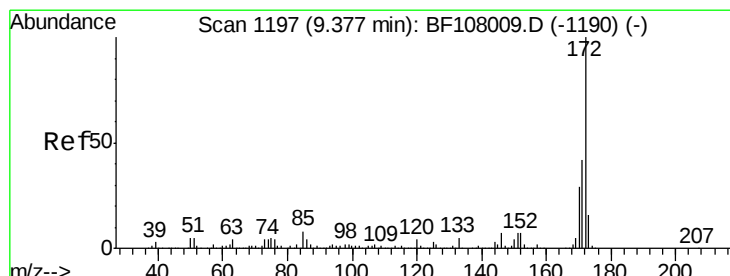
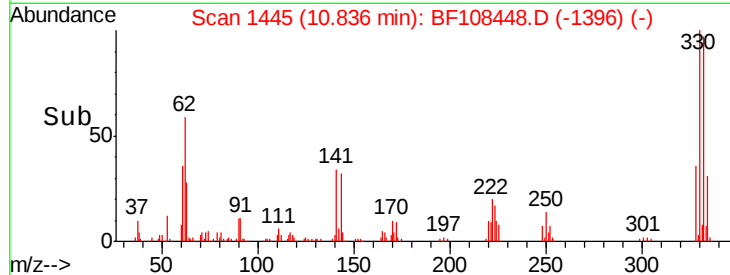
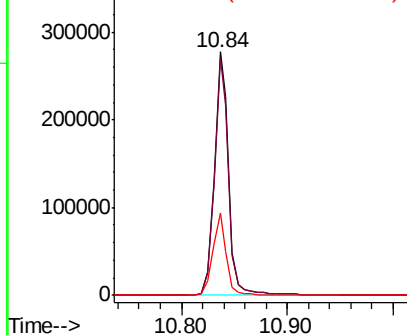
#41  
 2,4,6-Tribromophenol  
 Concen: 100.931 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 32.3  | 29.9  | 44.9  |

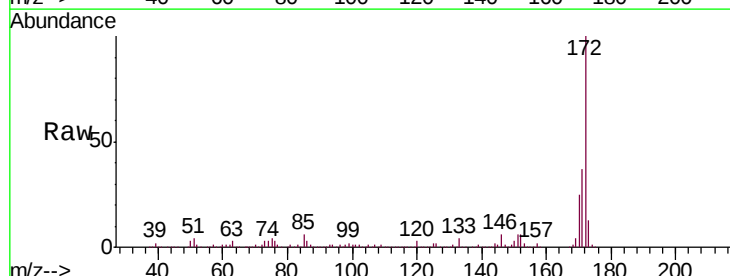


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

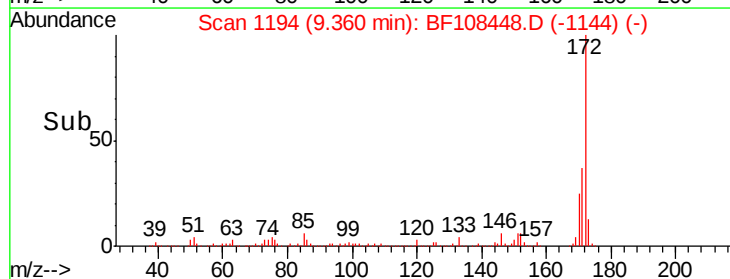
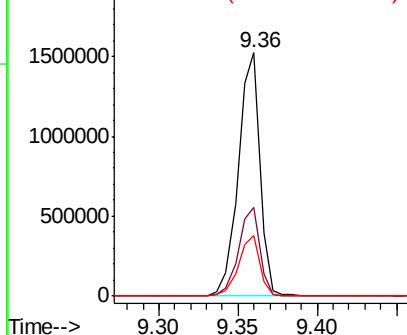


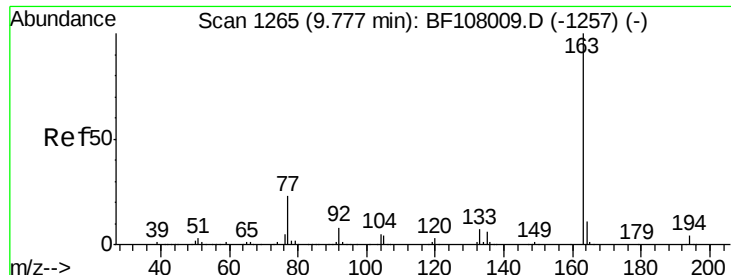
#44  
 2-Fluorobiphenyl  
 Concen: 87.135 ng  
 RT: 9.36 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 24.8  | 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

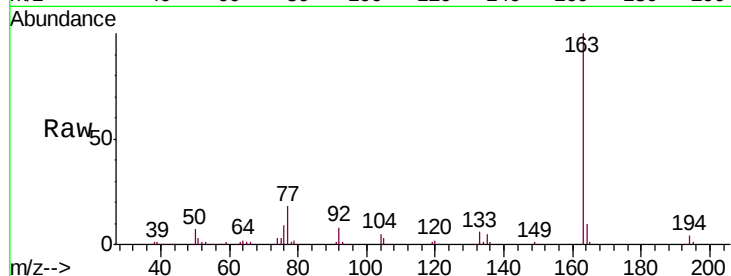




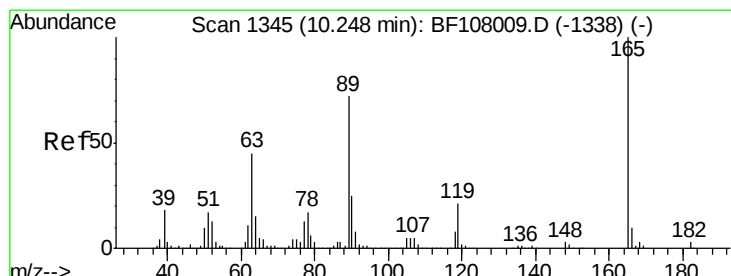
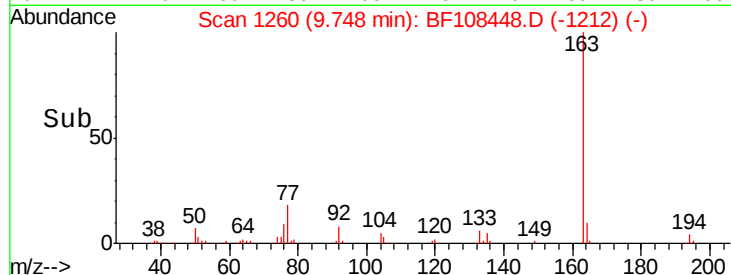
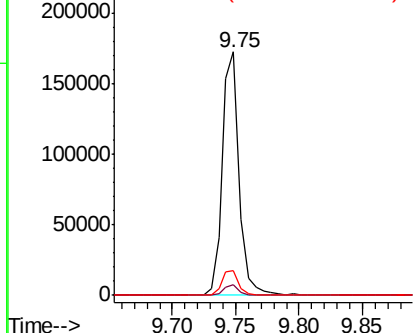
#49  
Dimethylphthalate  
Concen: 8.638 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108448.D  
Acq: 24 Aug 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-040

Tgt Ion:163 Resp: 159991  
Ion Ratio Lower Upper  
163 100  
194 4.2 2.7 4.1#  
164 9.9 8.2 12.2

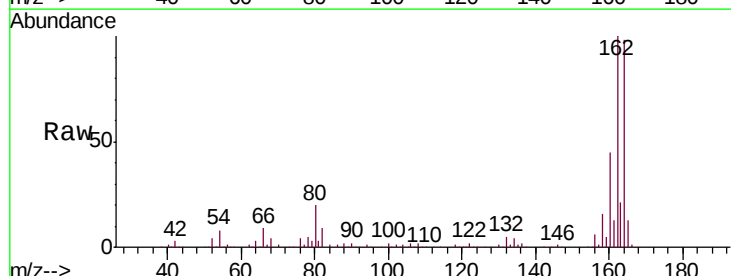


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

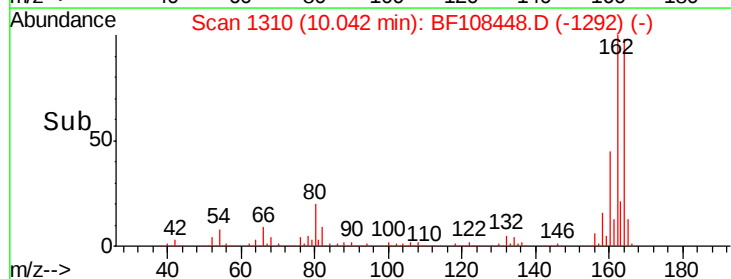
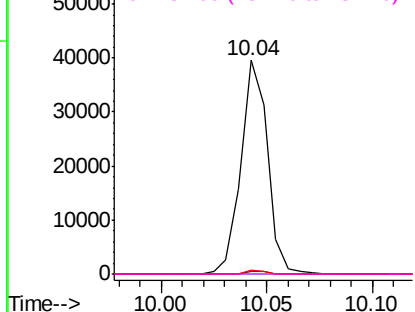


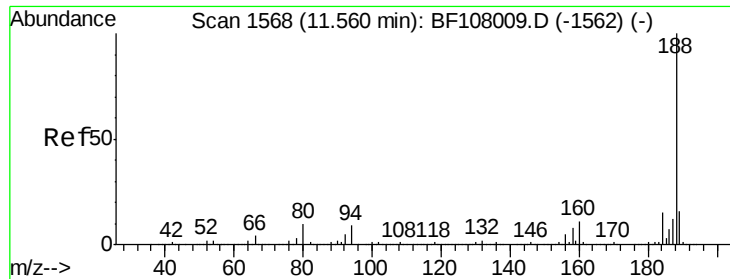
#56  
2,4-Dinitrotoluene  
Concen: 6.901 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.19 min  
Lab File: BF108448.D  
Acq: 24 Aug 2018 4:37

Tgt Ion:165 Resp: 34423  
Ion Ratio Lower Upper  
165 100  
63 1.1 36.4 54.6#  
89 1.7 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): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

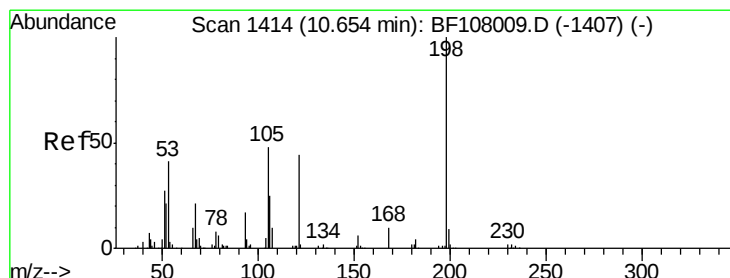
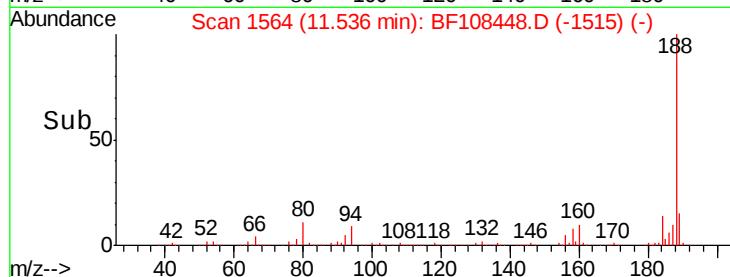
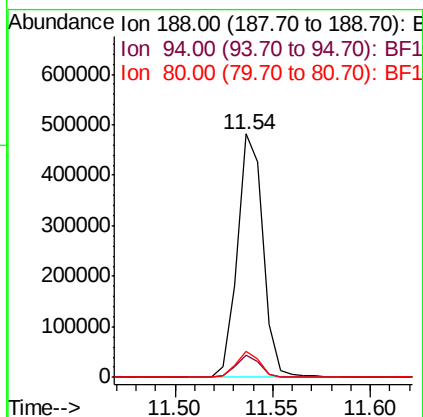
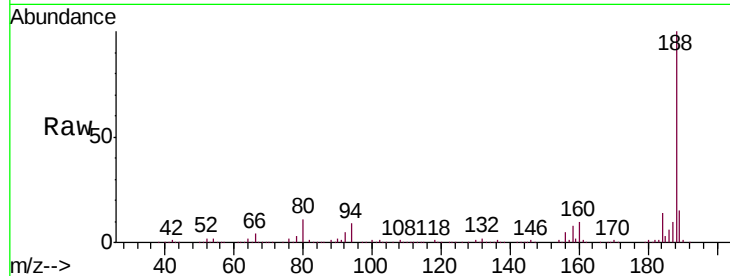




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

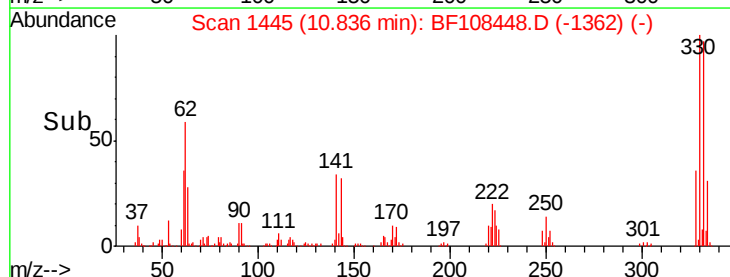
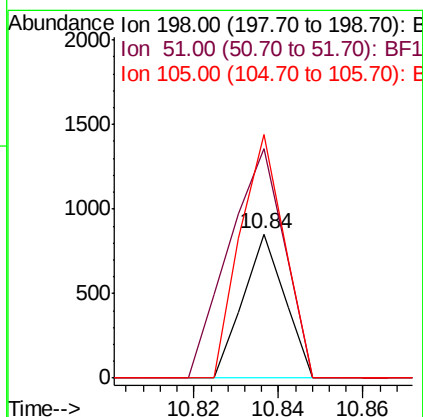
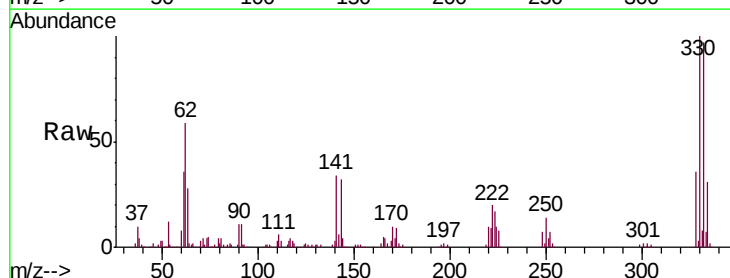
Instrument :  
 BNA\_F  
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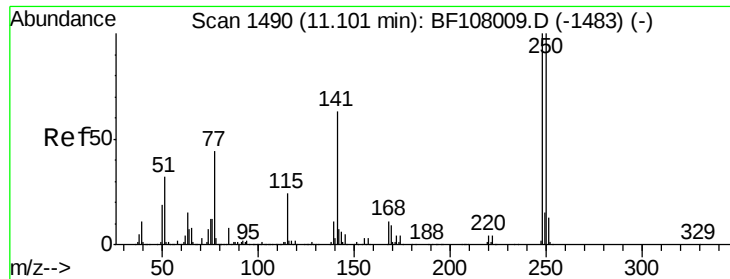
Tgt Ion:188 Resp: 439221  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 8.5 12.7  
 80 10.6 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.675 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. 0.19 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Tgt Ion:198 Resp: 587  
 Ion Ratio Lower Upper  
 198 100  
 51 159.7 37.7 77.7#  
 105 168.9 36.3 76.3#

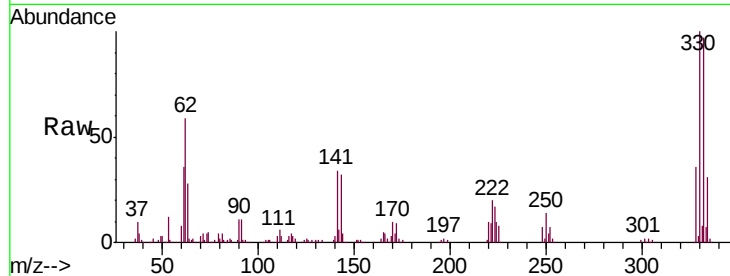




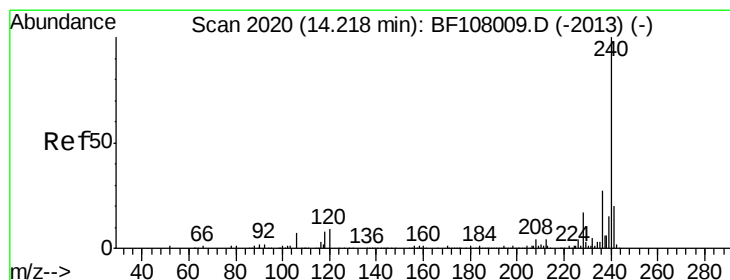
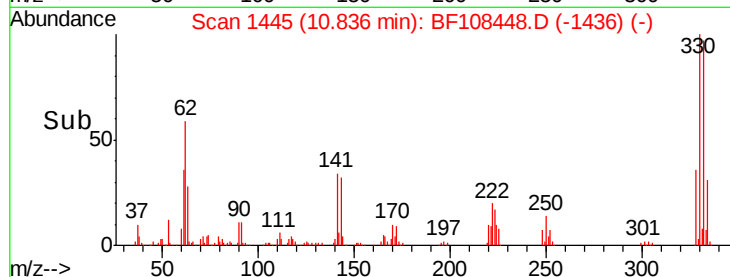
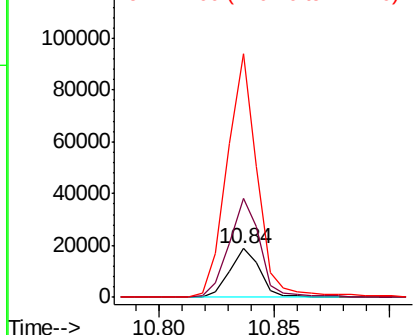
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.568 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.25 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-040

Tgt Ion: 248 Resp: 17032  
 Ion Ratio Lower Upper  
 248 100  
 250 205.2 76.9 115.3#  
 141 502.7 74.4 111.6#

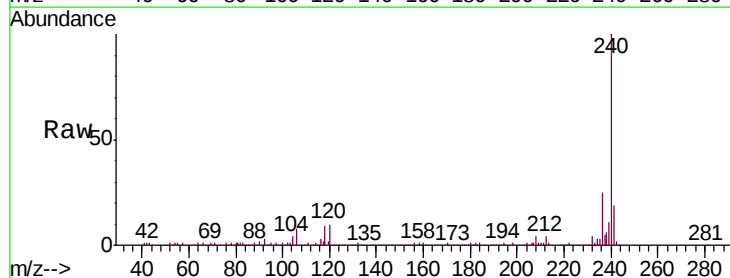


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

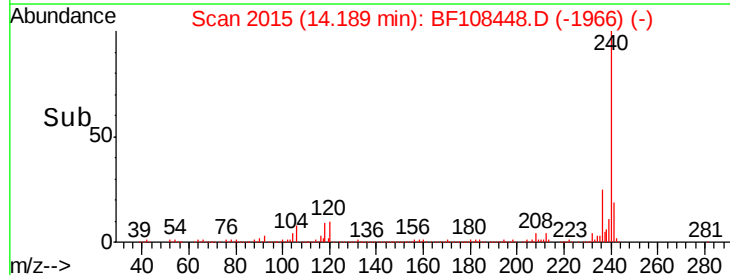
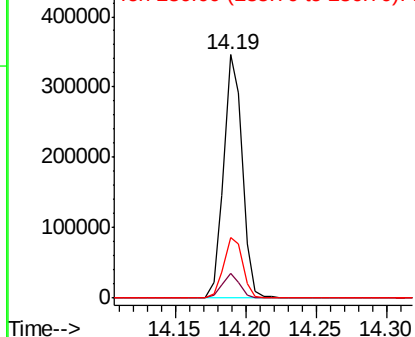


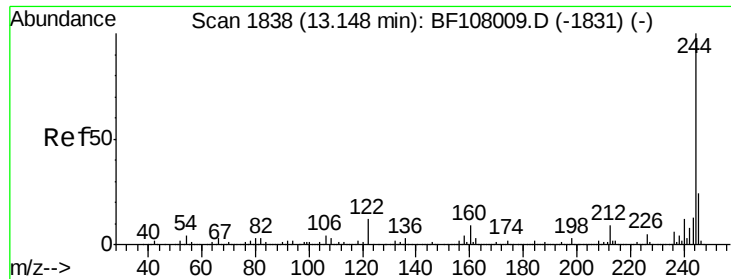
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.19 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Tgt Ion: 240 Resp: 319378  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 9.5 14.3  
 236 24.7 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

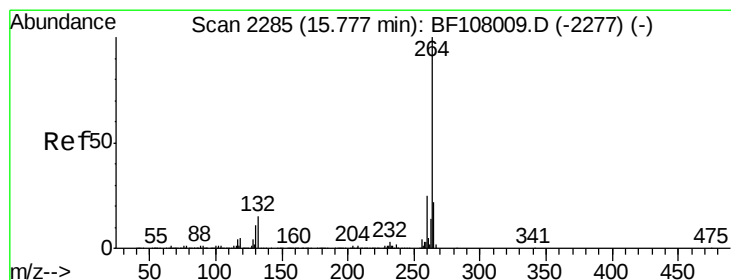
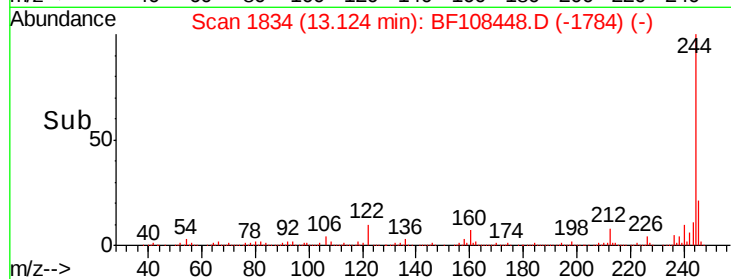
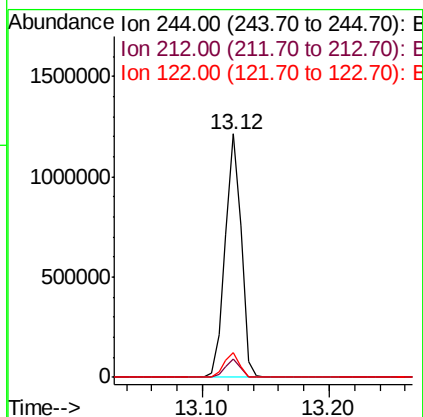
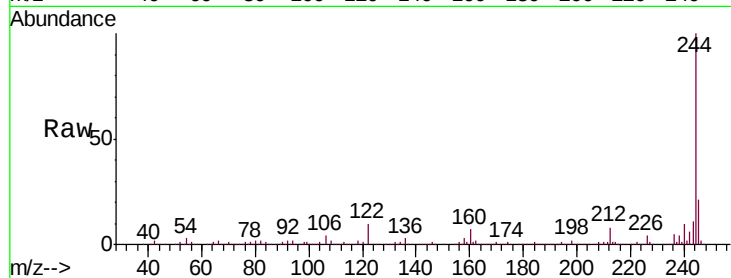




#78  
 Terphenyl-d14  
 Concen: 84.763 ng  
 RT: 13.12 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-040

Tgt Ion:244 Resp: 1064723  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.4 8.0  
 122 10.3 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.74 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BF108448.D  
 Acq: 24 Aug 2018 4:37

Tgt Ion:264 Resp: 271426  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 21.6 17.5 26.3

