

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\  
 Data File : BF104068.D  
 Acq On : 29 Mar 2018 22:52  
 Operator : JU/SJ  
 Sample : J2103-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 30 03:55:33 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 13:41:47 2018  
 Response via : Initial Calibration

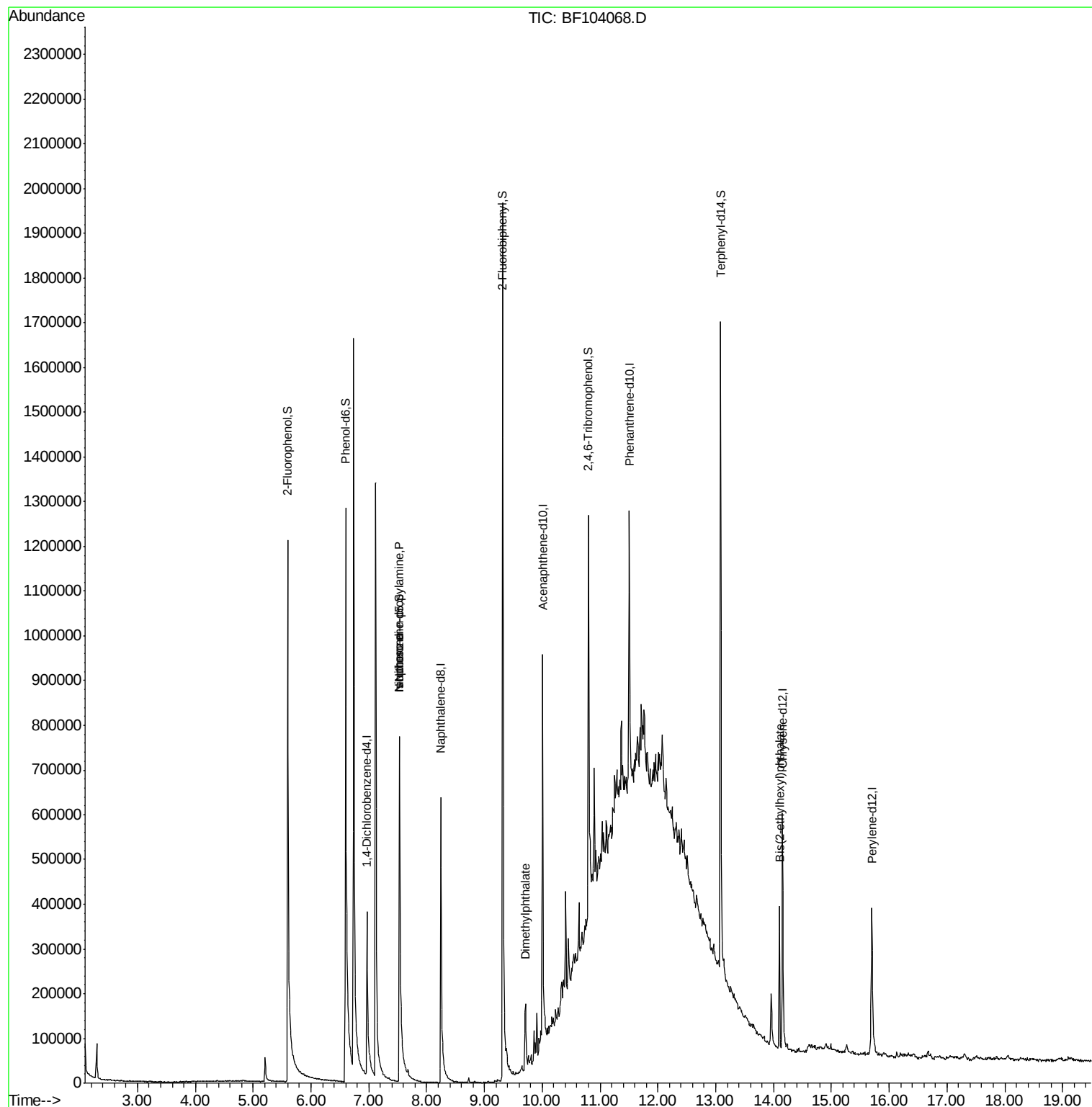
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 117083   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 493464   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 216716   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 312529   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.16 | 240  | 234584   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.70 | 264  | 217366   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 659842   | 89.87  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 887852   | 98.29  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 517099   | 64.08  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 180171   | 74.66  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 825028   | 60.03  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.09 | 244  | 620702   | 61.09  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 59210    | 11.046 | ng    | # 73     |
| 25) Isophorone                 | 7.53  | 82   | 517099   | 34.774 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 79165    | 4.627  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 92656    | 9.026  | ng    | 100      |

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

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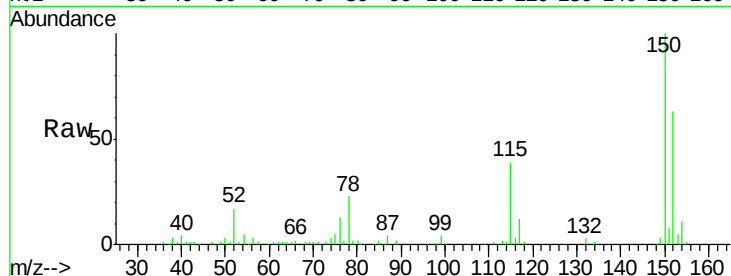


#1

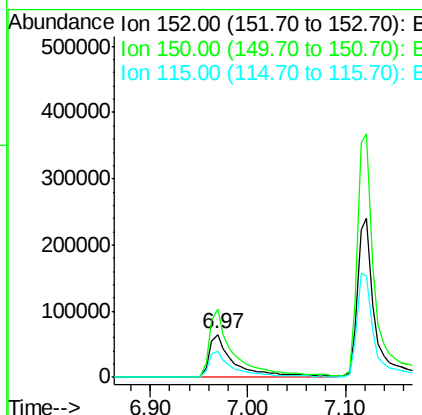
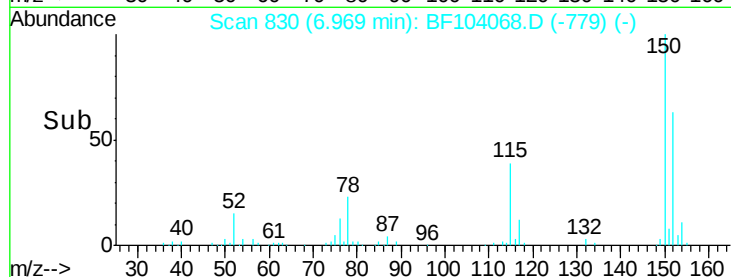
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. -0.00 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 117083  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 124.6 186.8  
 115 61.0 50.1 75.1



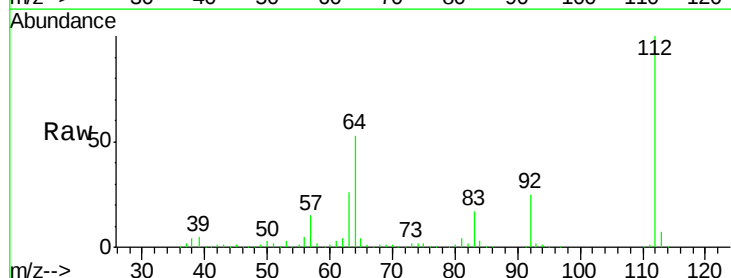
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



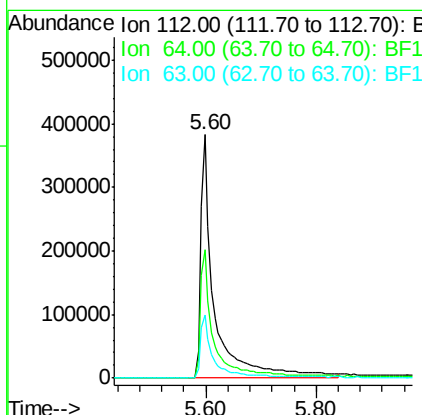
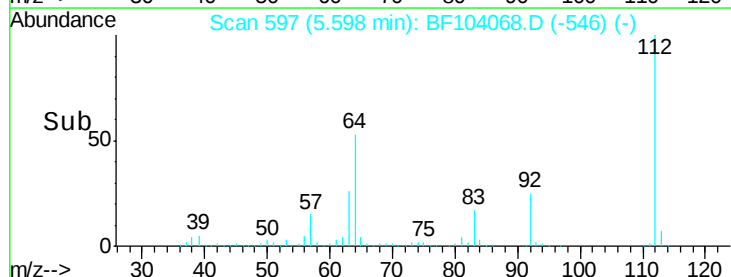
#5

2-Fluorophenol  
 Concen: 89.875 ng  
 RT: 5.60 min Scan# 597  
 Delta R.T. -0.00 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

Tgt Ion:112 Resp: 659842  
 Ion Ratio Lower Upper  
 112 100  
 64 53.0 47.9 71.9  
 63 26.1 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: 98.294 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Instrument :

BNA\_F

ClientSampleId :

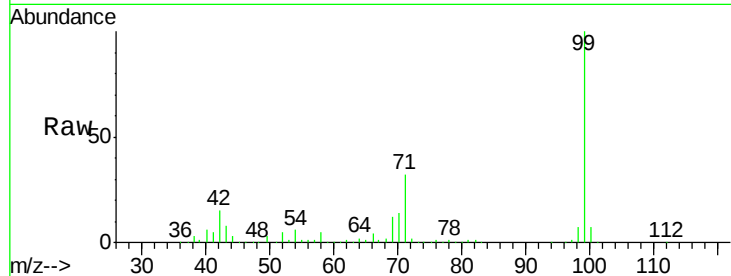
Tot Ion: 99 Resp: 887852

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

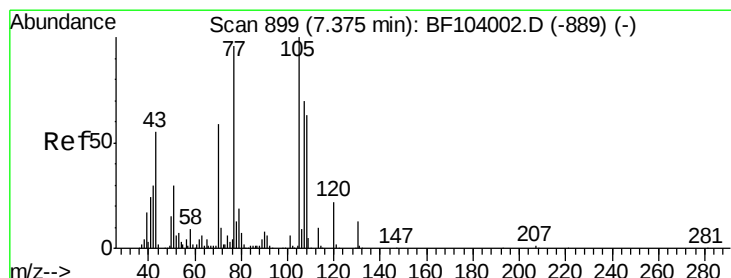
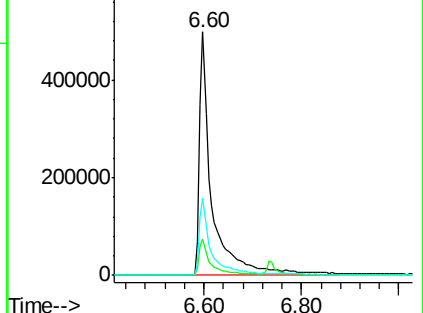
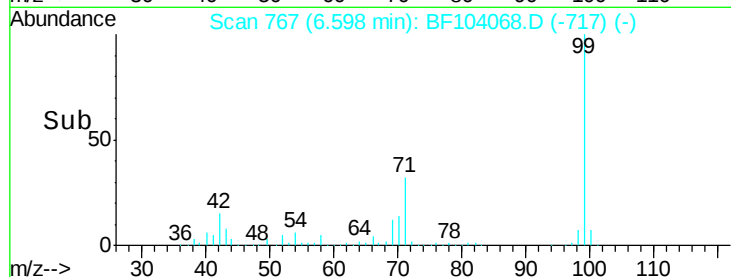
71 31.8 25.4 38.0



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: 11.046 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Tgt Ion: 70 Resp: 59210

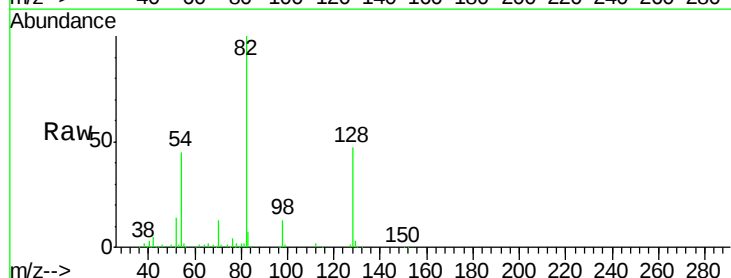
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

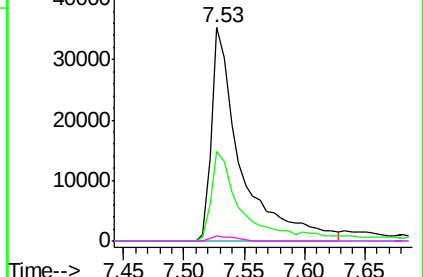
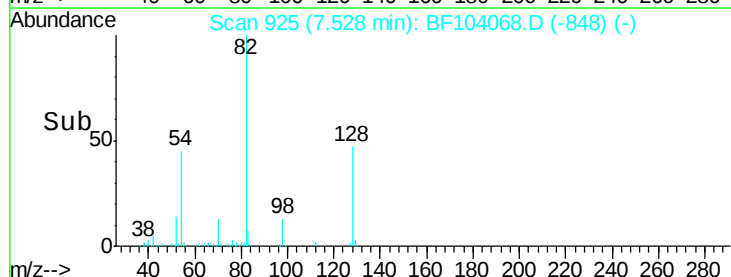


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 493464

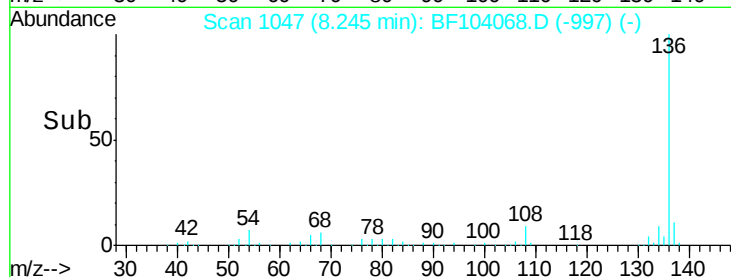
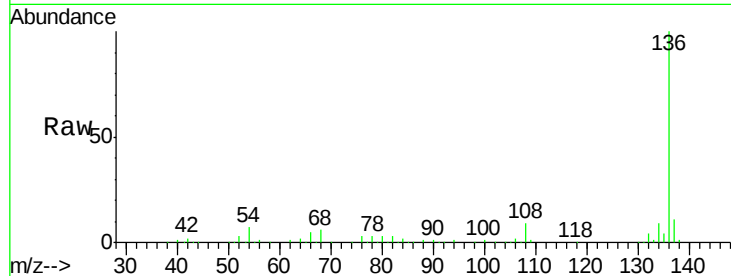
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 6.6 9.8

68 5.6 5.0 7.4

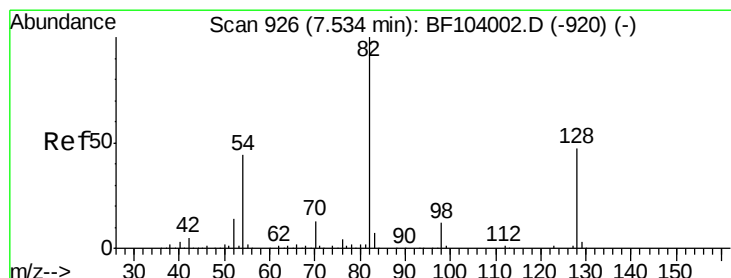
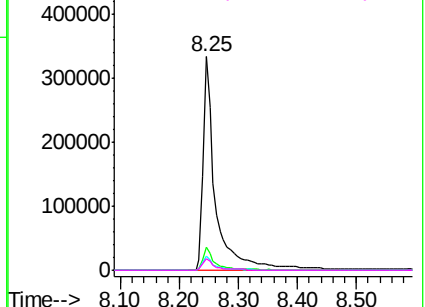


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.085 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

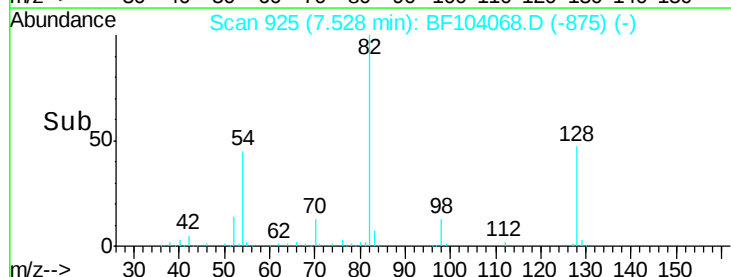
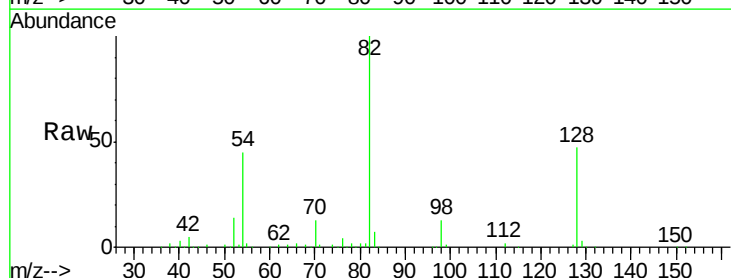
Tgt Ion: 82 Resp: 517099

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

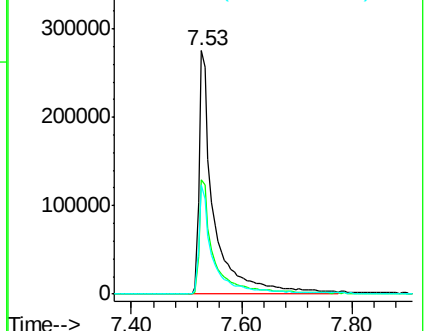
54 44.9 41.4 62.2

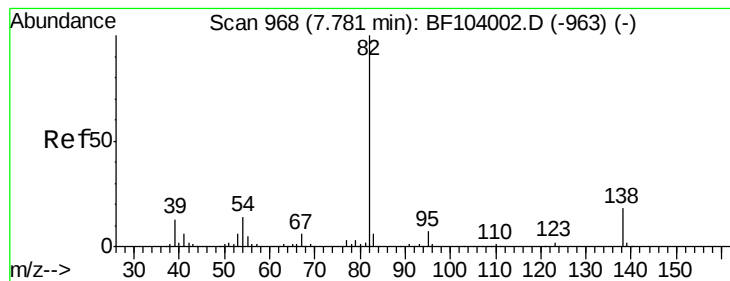


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.774 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Instrument :

BNA\_F

ClientSampleId :

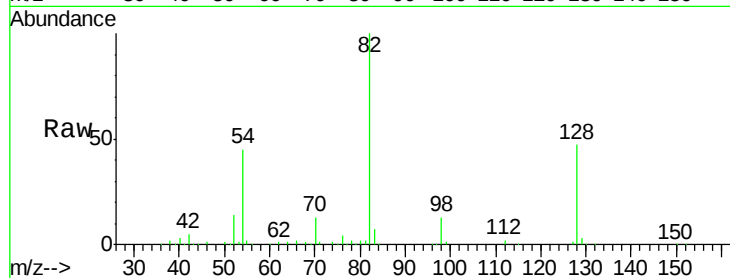
Tot Ion: 82 Resp: 517099

Ion Ratio Lower Upper

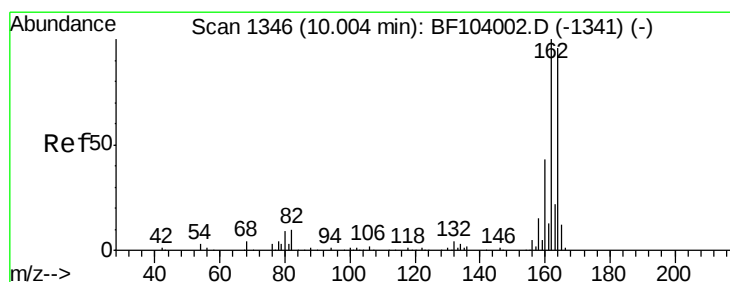
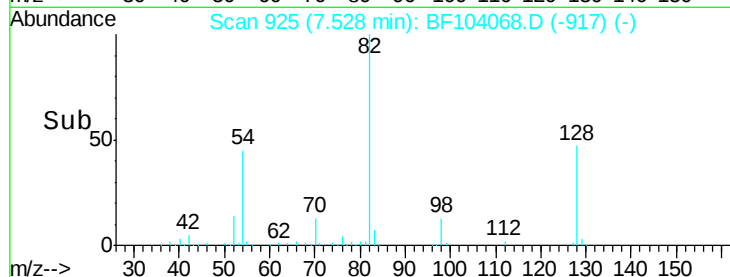
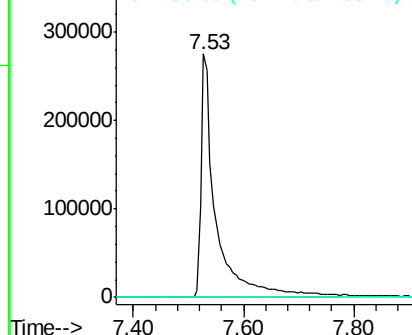
82 100

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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

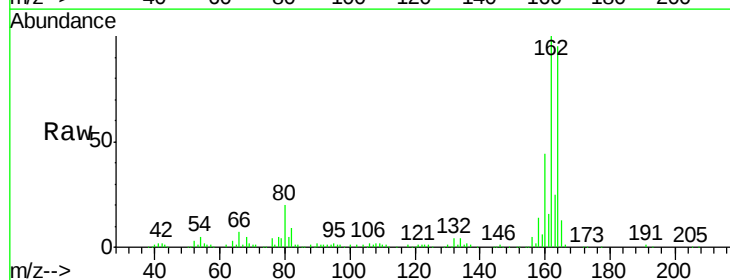
Tgt Ion:164 Resp: 216716

Ion Ratio Lower Upper

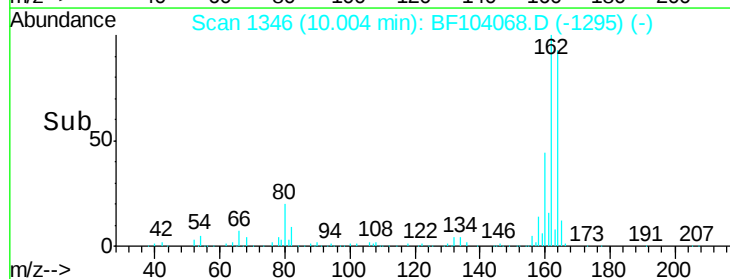
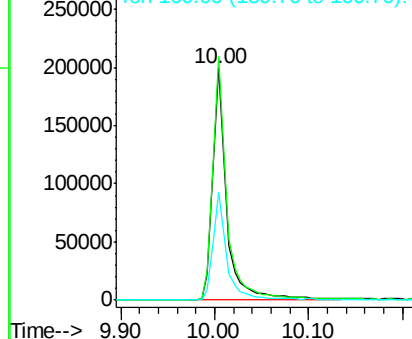
164 100

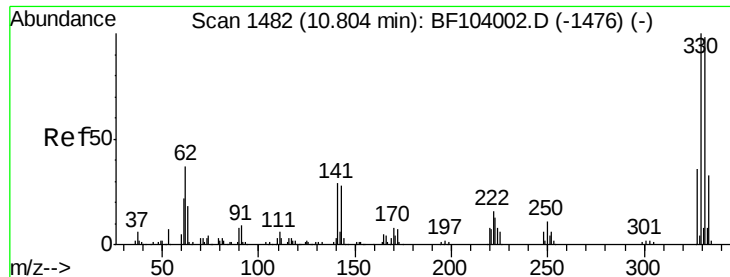
162 105.0 86.1 129.1

160 46.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

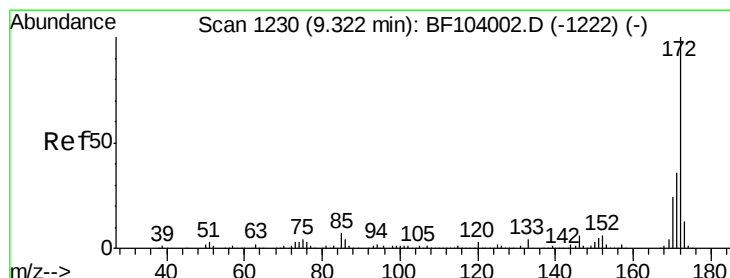
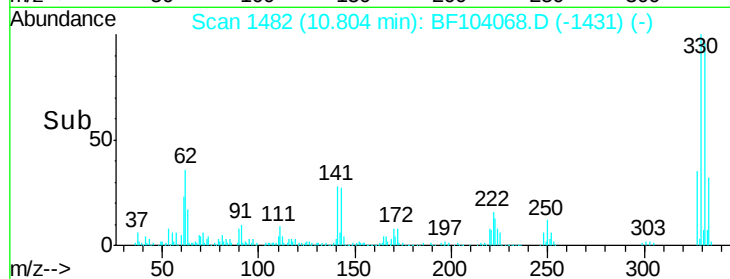
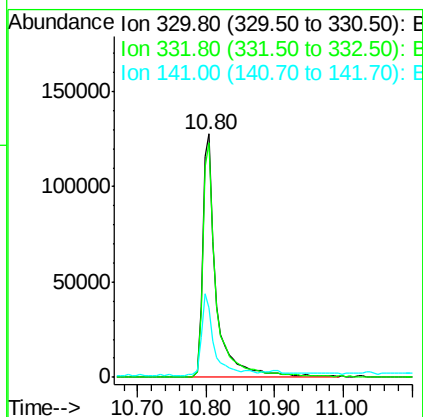
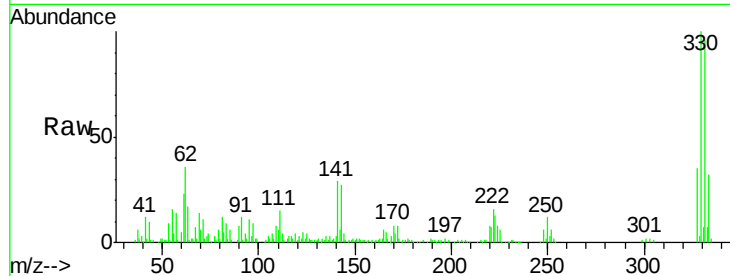




#41  
 2,4,6-Tribromophenol  
 Concen: 74.663 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.00 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

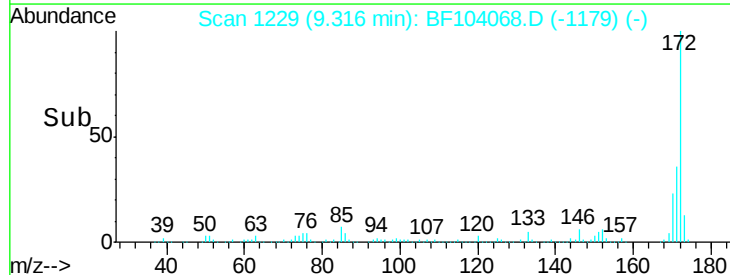
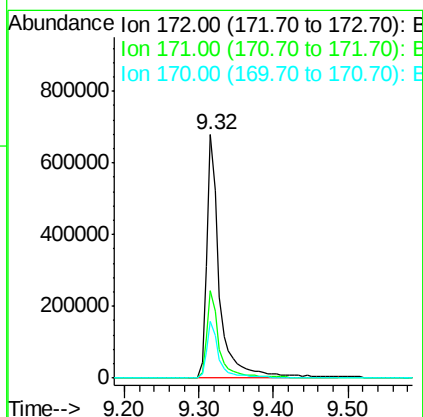
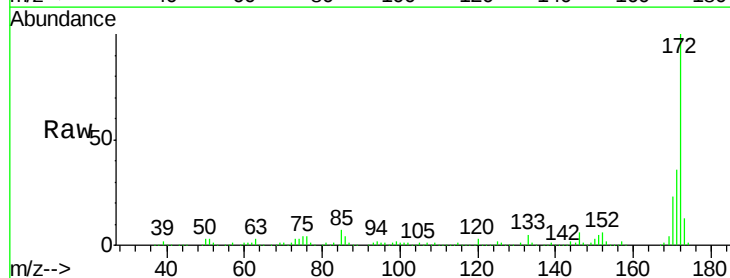
Instrument :  
 BNA\_F  
 ClientSampleId :

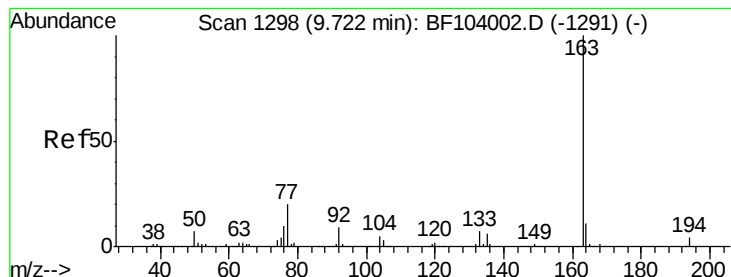
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 31.8  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 60.032 ng  
 RT: 9.32 min Scan# 1229  
 Delta R.T. -0.01 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 23.3  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 4.627 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Instrument :

BNA\_F

ClientSampleId :

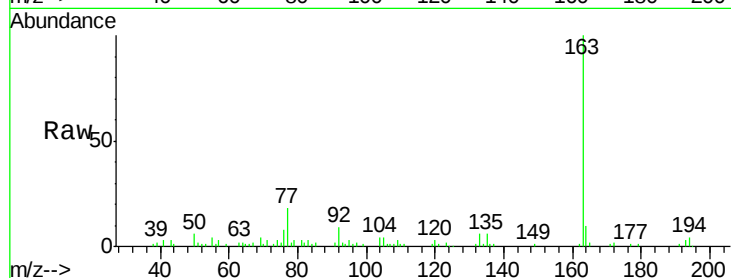
Tot Ion:163 Resp: 79165

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

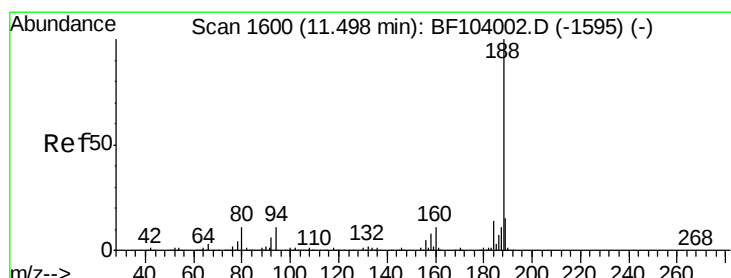
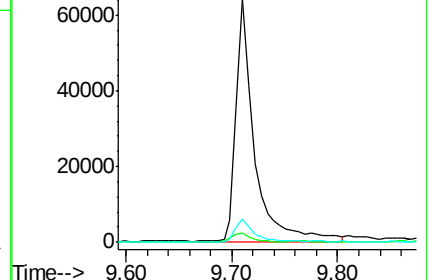
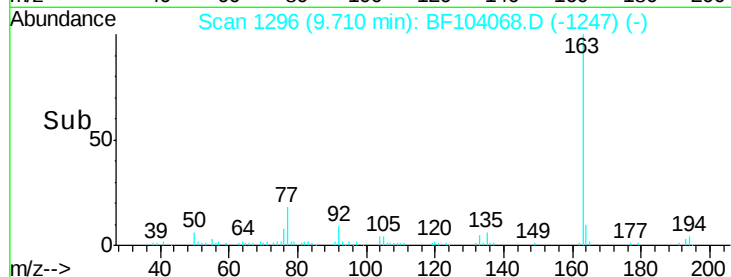
164 9.8 8.2 12.2



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: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

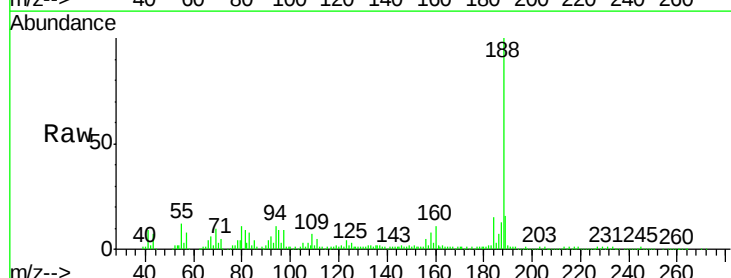
Tgt Ion:188 Resp: 312529

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

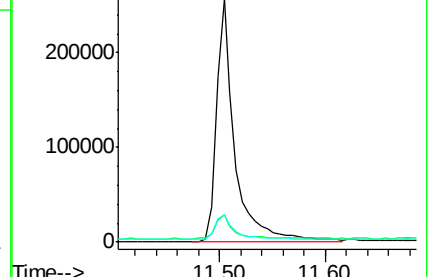
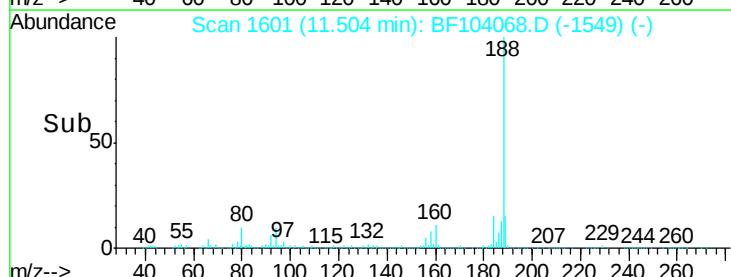
80 11.3 9.2 13.8

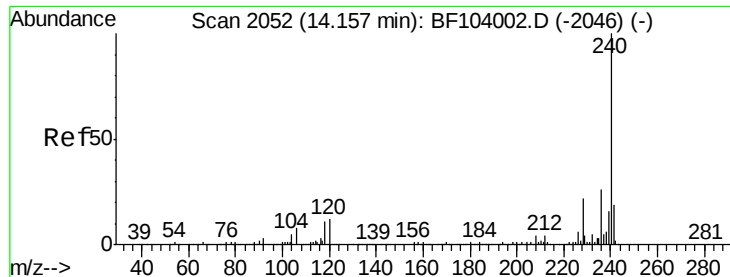


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

Instrument :

BNA\_F

ClientSampleId :

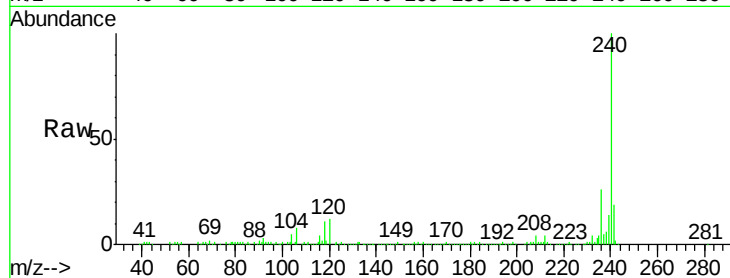
Tot Ion:240 Resp: 234584

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

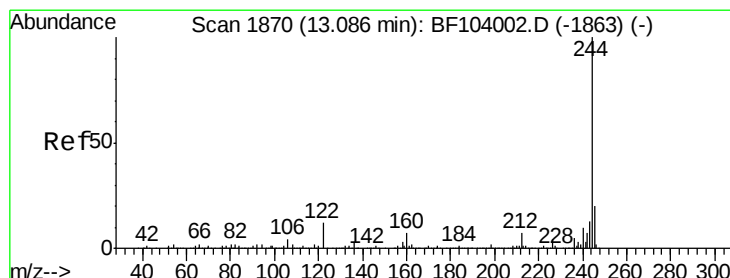
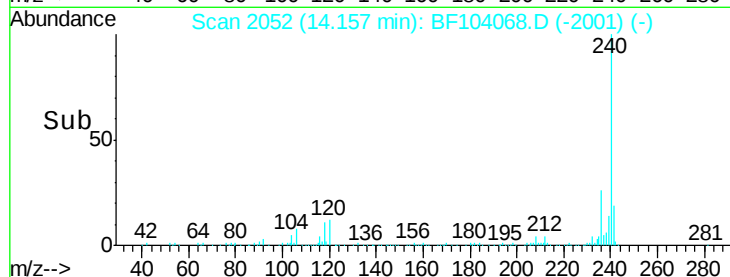
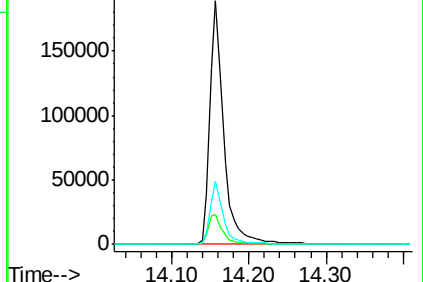
236 25.7 20.7 31.1



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: 61.094 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104068.D

Acq: 29 Mar 2018 22:52

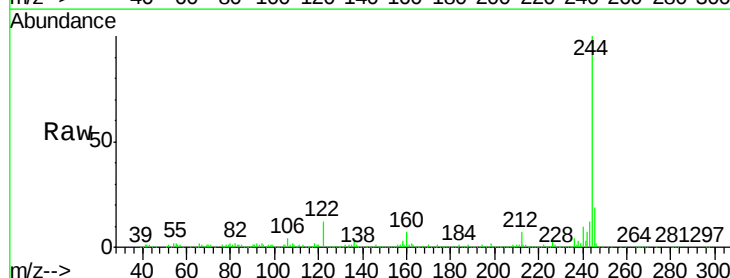
Tgt Ion:244 Resp: 620702

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

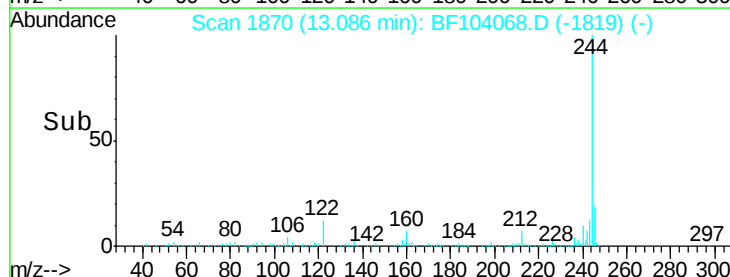
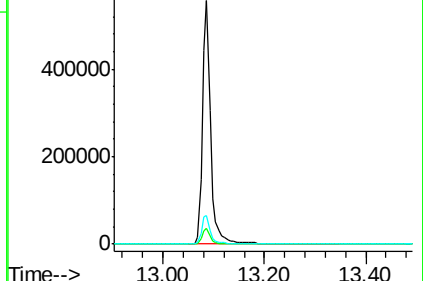
122 11.9 11.0 16.4

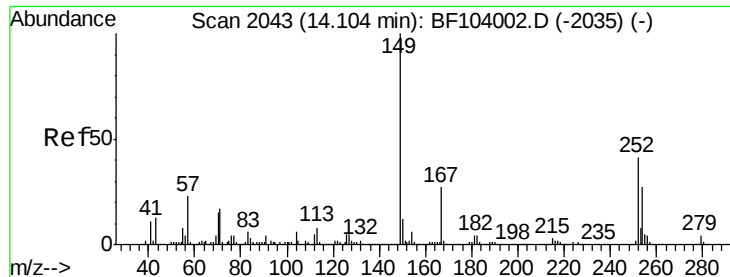


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

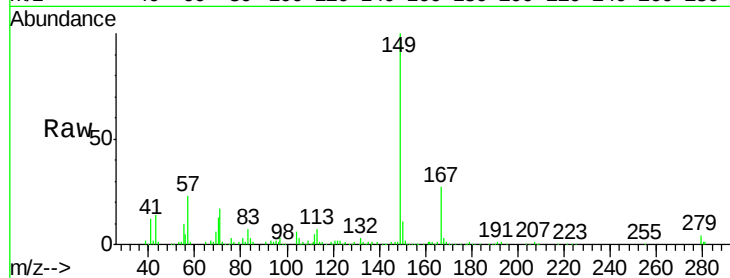




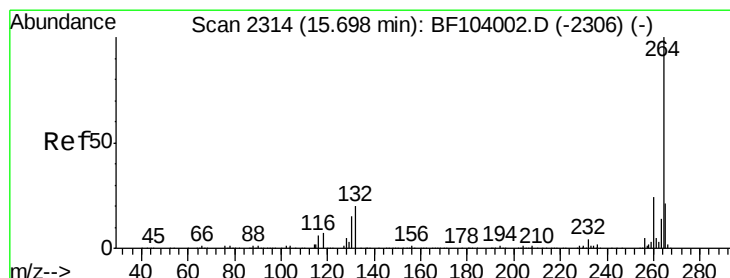
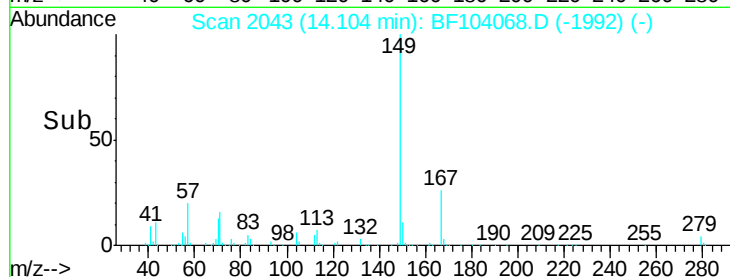
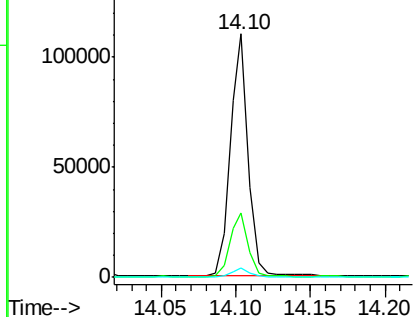
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 9.026 ng  
 RT: 14.10 min Scan# 2043  
 Delta R.T. -0.00 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 92656  
 Ion Ratio Lower Upper  
 149 100  
 167 26.5 21.3 31.9  
 279 3.8 3.0 4.4

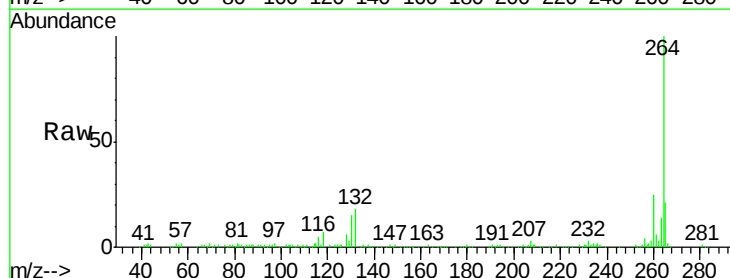


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.70 min Scan# 2315  
 Delta R.T. 0.01 min  
 Lab File: BF104068.D  
 Acq: 29 Mar 2018 22:52

Tgt Ion:264 Resp: 217366  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.2 28.8  
 265 21.3 17.5 26.3



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

