

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\  
 Data File : BF113824.D  
 Acq On : 18 Apr 2019 18:35  
 Operator : JU/SJ  
 Sample : K2422-11RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 19 02:07:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 13:55:51 2019  
 Response via : Initial Calibration

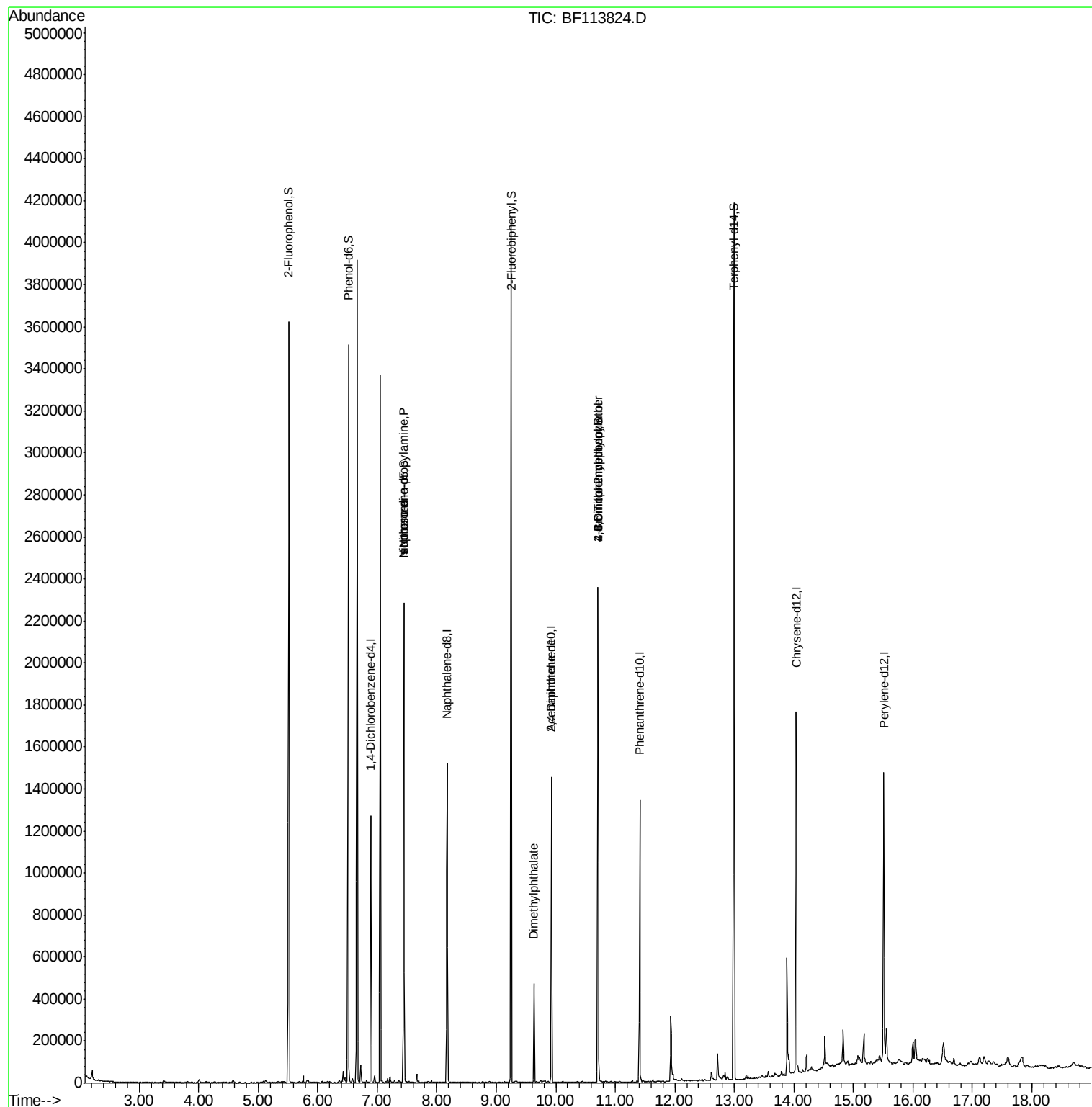
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 179163   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 623494   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 272874   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.41 | 188  | 467325   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.04 | 240  | 530997   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.51 | 264  | 656808   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 1030680  | 95.66     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 1269790  | 94.50     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 748363   | 73.09     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.71 | 330  | 287215   | 95.27     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 1284707  | 71.80     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.99 | 244  | 1385124  | 54.70     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.43  | 77   | 2078     | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 100917   | 11.252 ng | #     | 1        |
| 25) Isophorone                 | 7.45  | 82   | 748201   | 35.294 ng | #     | 77       |
| 50) Dimethylphthalate          | 9.64  | 163  | 194011   | 10.160 ng | #     | 65       |
| 57) 2,4-Dinitrotoluene         | 9.93  | 165  | 34562    | 6.610 ng  | #     | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 478      | 7.139 ng  | #     | 29       |
| 67) 4-Bromophenyl-phenylether  | 10.71 | 248  | 17584    | 3.204 ng  | #     | 1        |

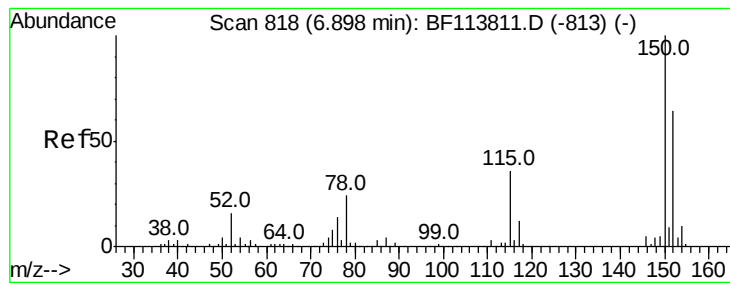
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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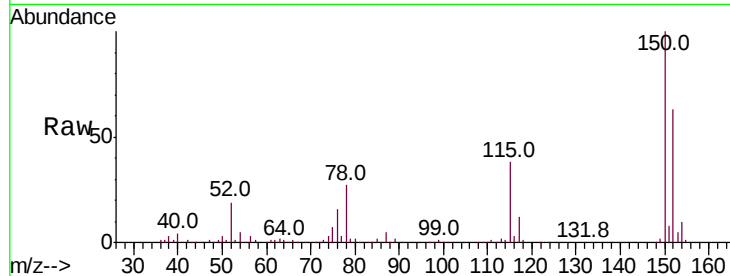


#1

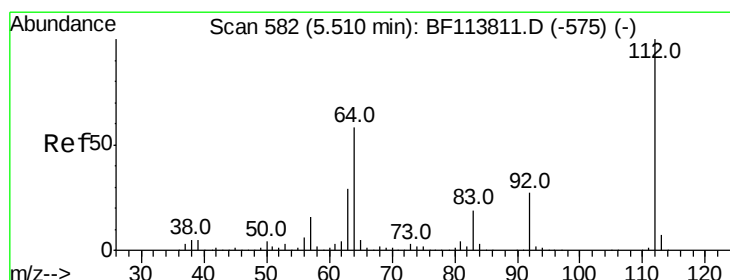
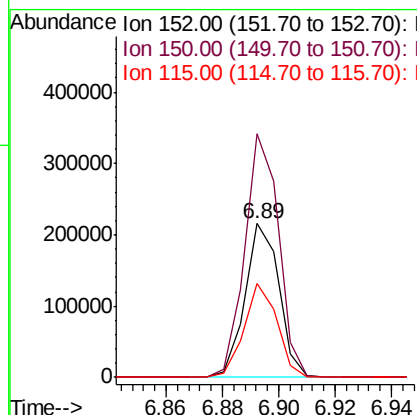
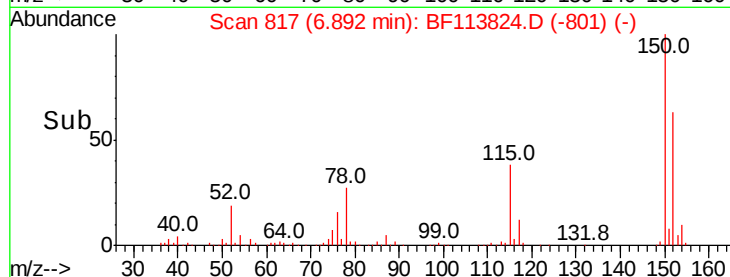
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 179163  
Ion Ratio Lower Upper  
152 100  
150 158.4 125.9 188.9  
115 60.9 45.9 68.9



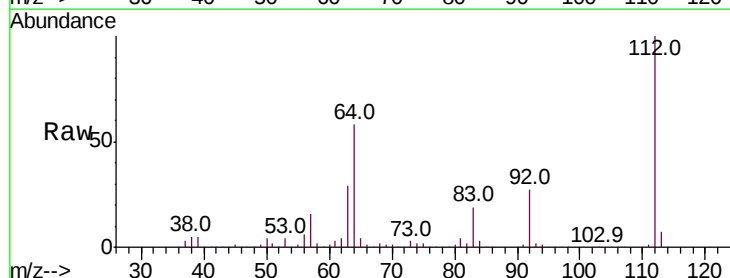
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



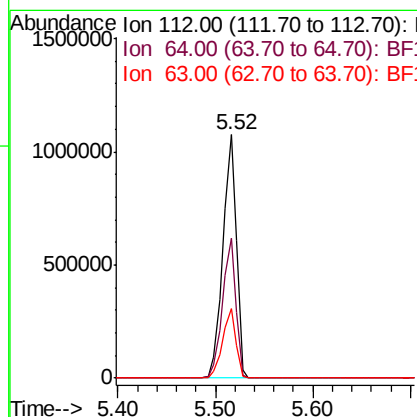
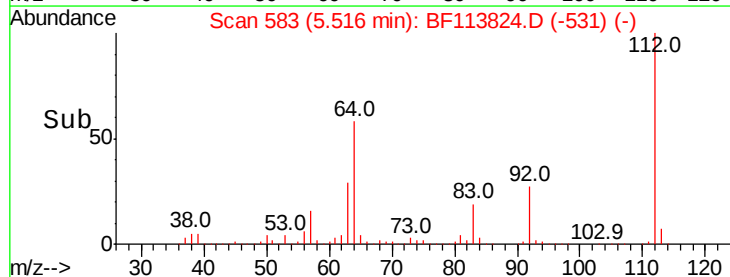
#5

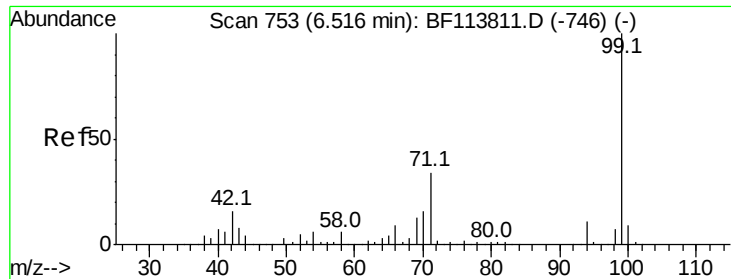
2-Fluorophenol  
Concen: 95.655 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Tgt Ion:112 Resp: 1030680  
Ion Ratio Lower Upper  
112 100  
64 57.6 46.6 69.8  
63 28.6 23.1 34.7



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: 94.498 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Instrument :

BNA\_F

ClientSampleId :

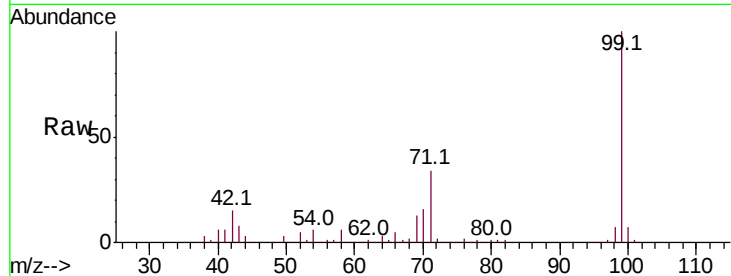
Tot Ion: 99 Resp: 1269790

Ion Ratio Lower Upper

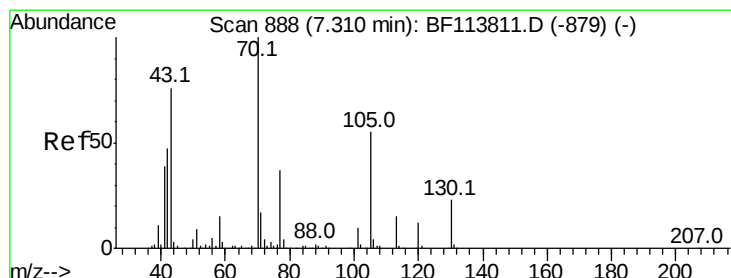
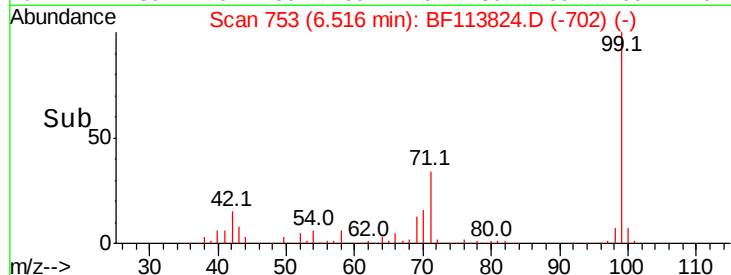
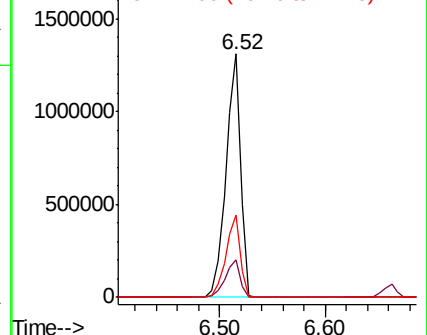
99 100

42 15.4 12.5 18.7

71 33.9 26.9 40.3



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: 11.252 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Tgt Ion: 70 Resp: 100917

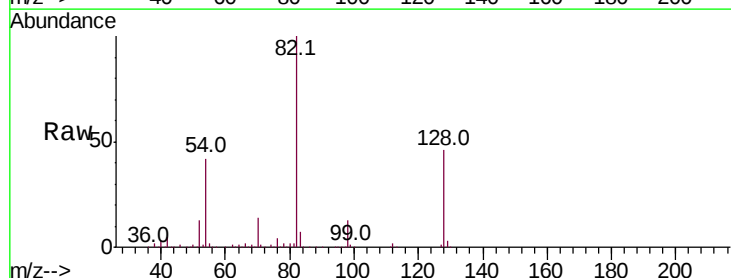
Ion Ratio Lower Upper

70 100

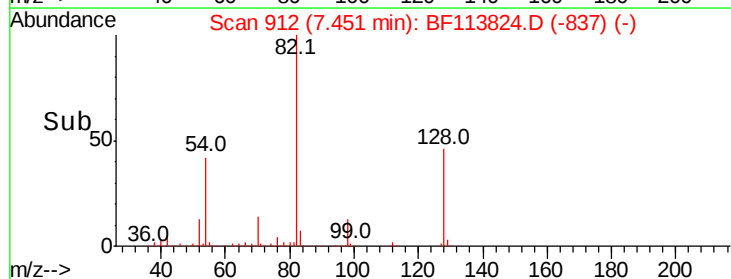
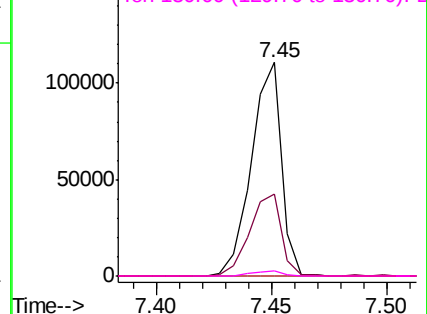
42 38.3 37.3 55.9

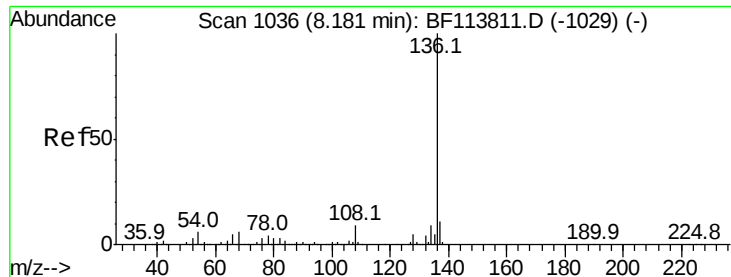
101 0.0 7.8 11.8#

130 2.3 18.2 27.2#



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 623494

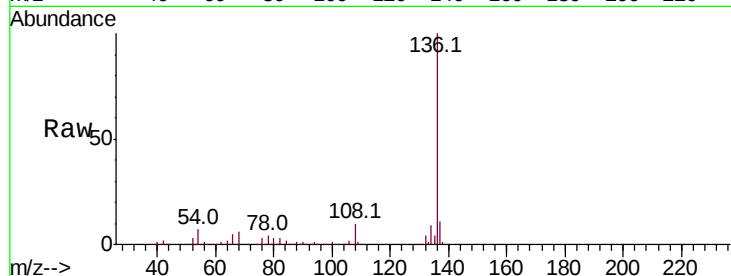
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.8 5.0 7.6

68 6.2 4.9 7.3

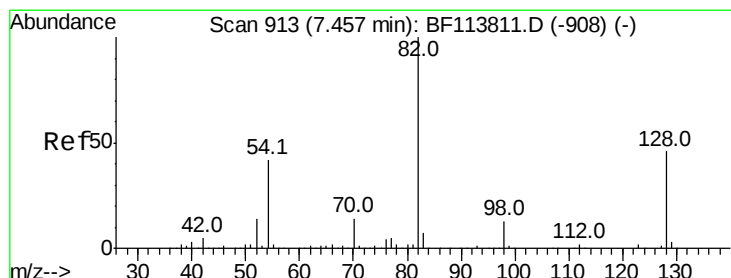
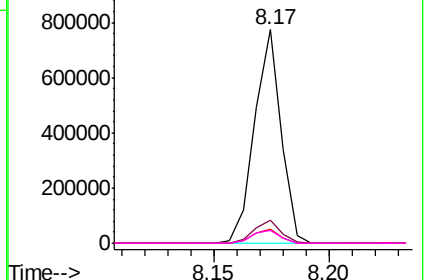
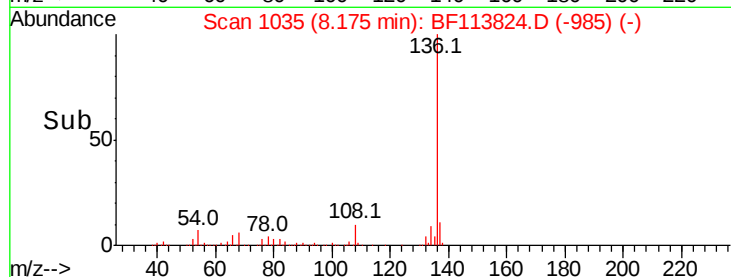


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.092 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

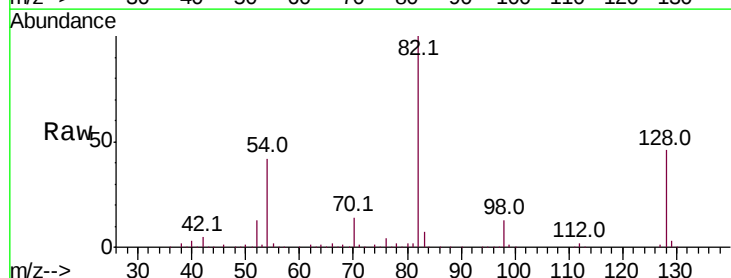
Tgt Ion: 82 Resp: 748363

Ion Ratio Lower Upper

82 100

128 46.1 36.8 55.2

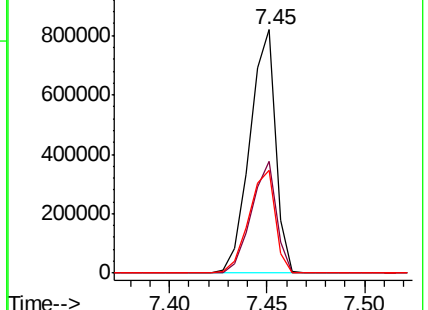
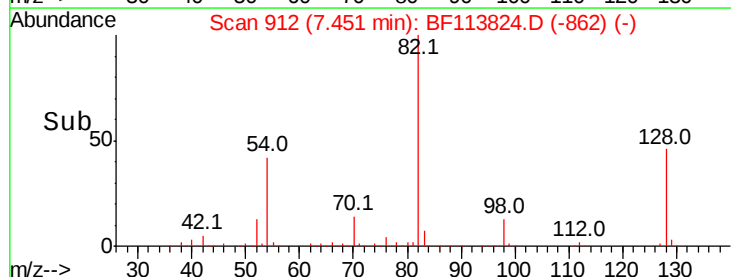
54 42.0 33.8 50.6

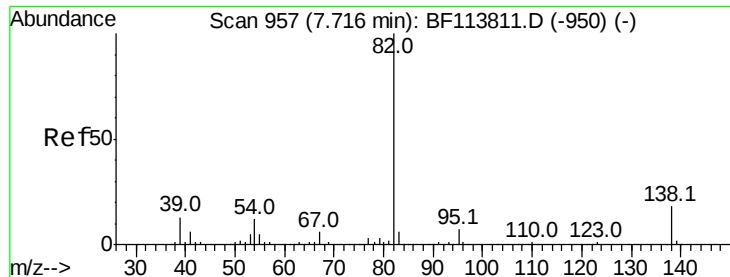


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.294 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Instrument :

BNA\_F

ClientSampleId :

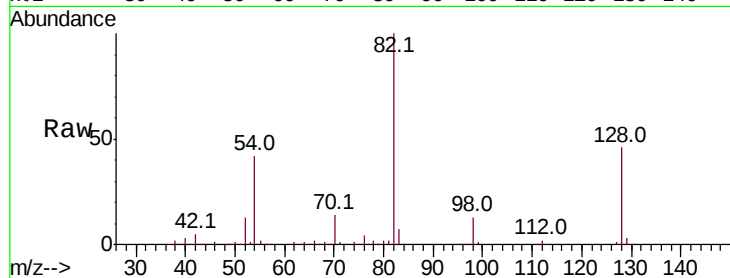
Tot Ion: 82 Resp: 748201

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

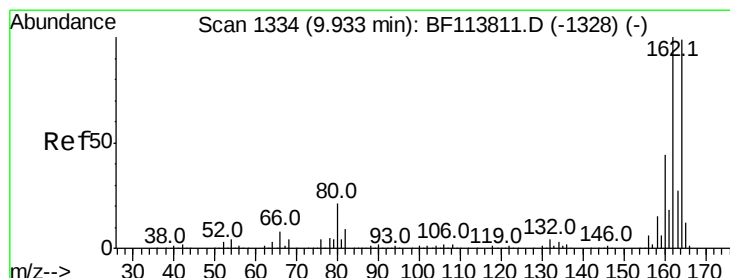
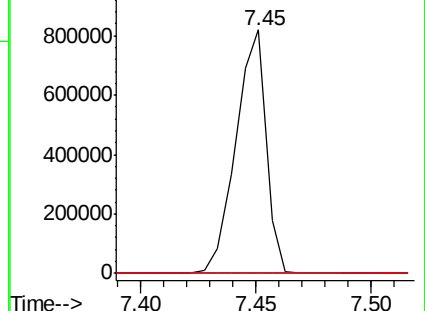
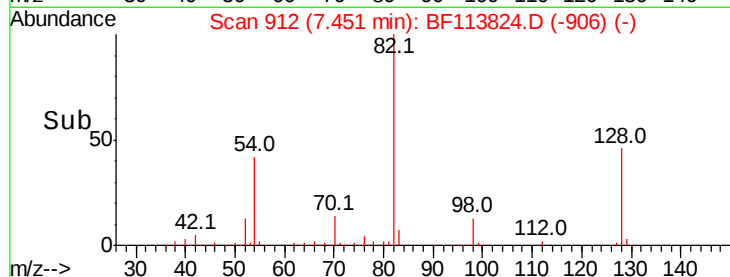
138 0.0 14.6 22.0#



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# 1333

Delta R.T. -0.01 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

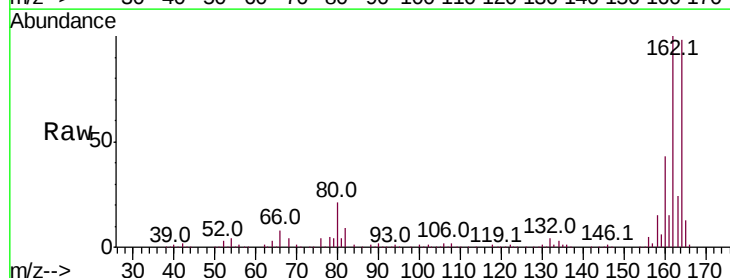
Tgt Ion:164 Resp: 272874

Ion Ratio Lower Upper

164 100

162 102.0 81.1 121.7

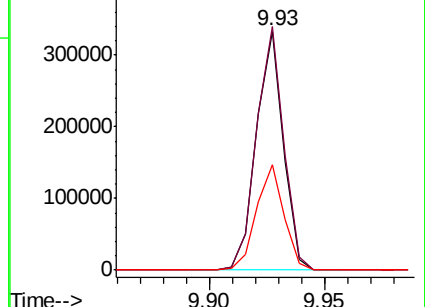
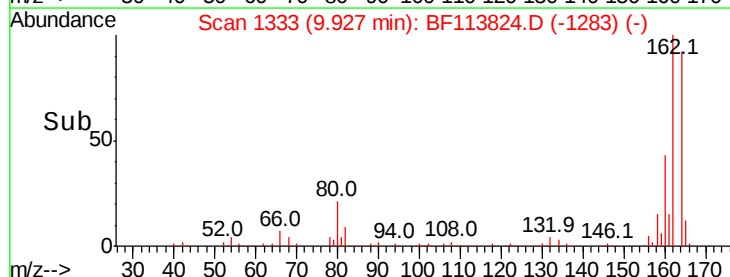
160 44.2 35.8 53.6

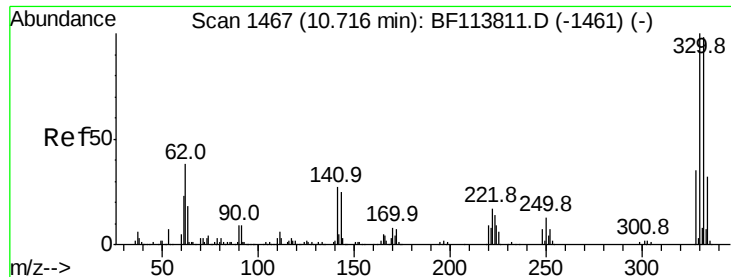


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 95.270 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Instrument :

BNA\_F

ClientSampleId :

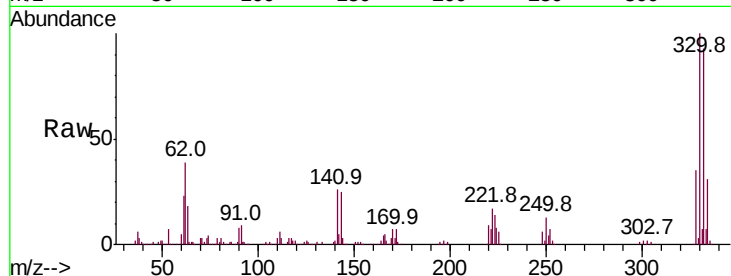
Tot Ion:330 Resp: 287215

Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

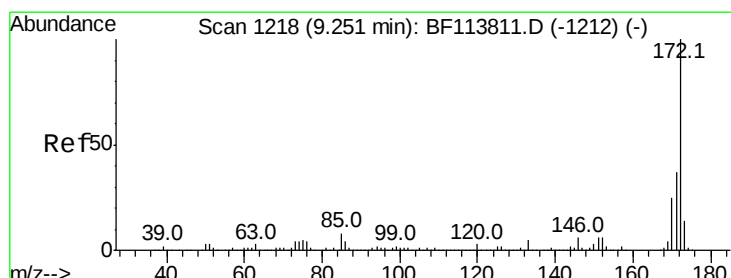
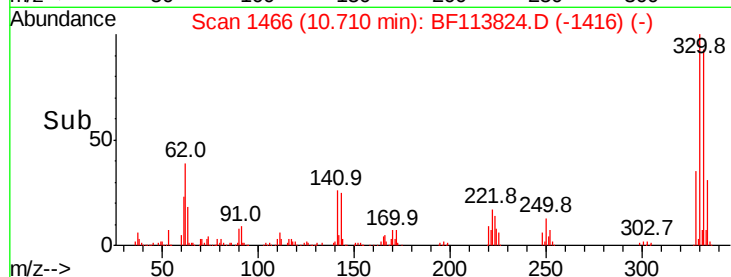
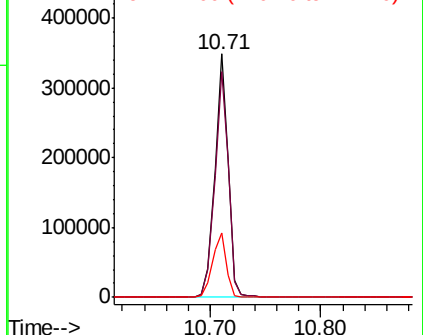
141 27.3 22.2 33.2



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: 71.800 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

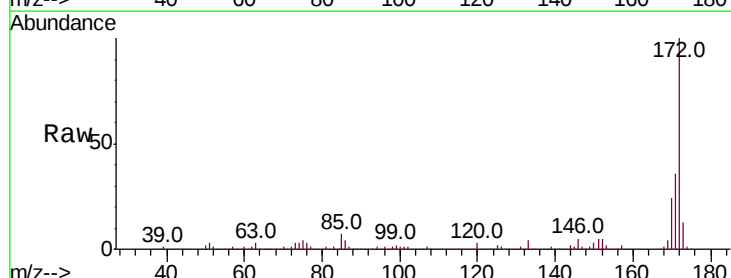
Tgt Ion:172 Resp: 1284707

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

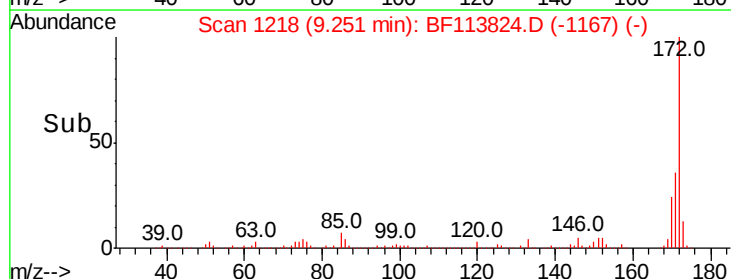
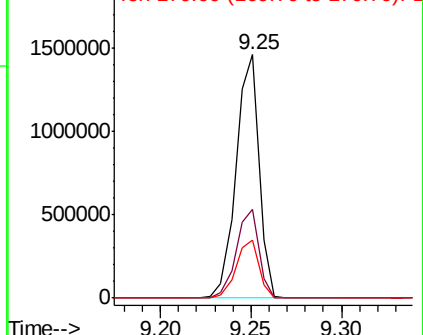
170 23.9 19.9 29.9

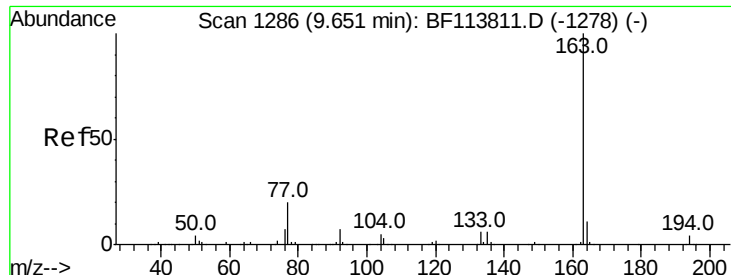


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.160 ng

RT: 9.64 min Scan# 1284

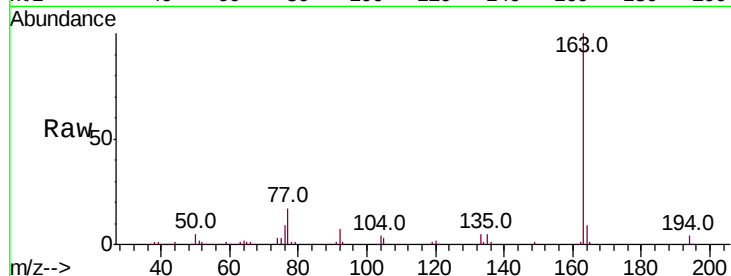
Delta R.T. -0.01 min

Lab File: BF113824.D

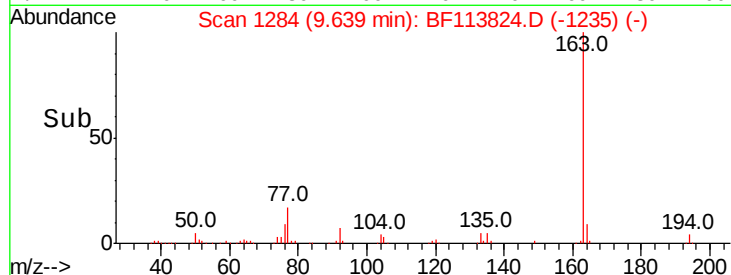
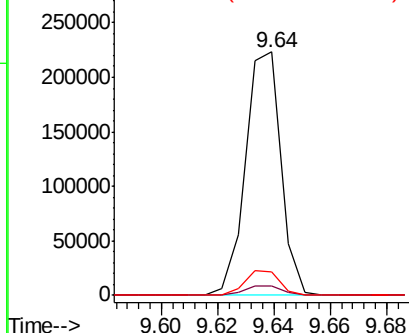
Acq: 18 Apr 2019 18:35

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:163 | Resp: | 194011   |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.1   | 3.4 5.2  |
| 164         | 9.4   | 8.5 12.7 |



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: 6.610 ng

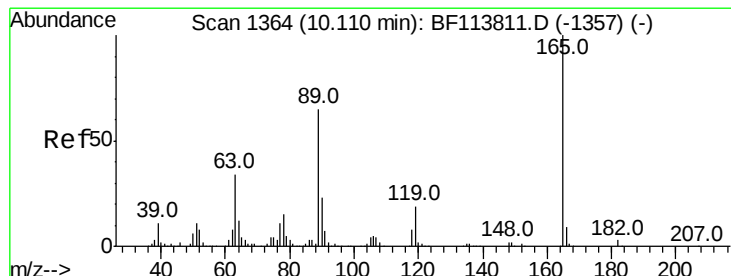
RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

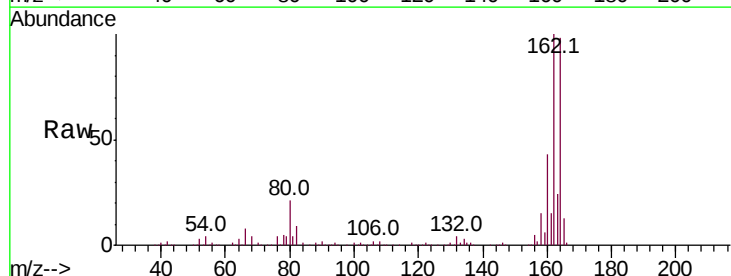
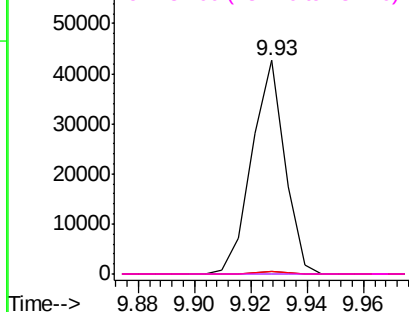
Lab File: BF113824.D

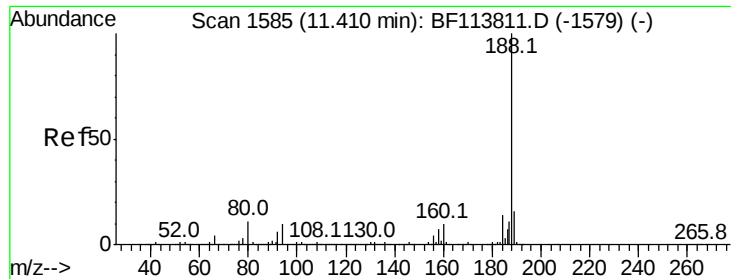
Acq: 18 Apr 2019 18:35

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 34562      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.3   | 27.4 41.0# |
| 89          | 1.3   | 51.8 77.6# |
| 182         | 0.0   | 2.2 3.2#   |



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

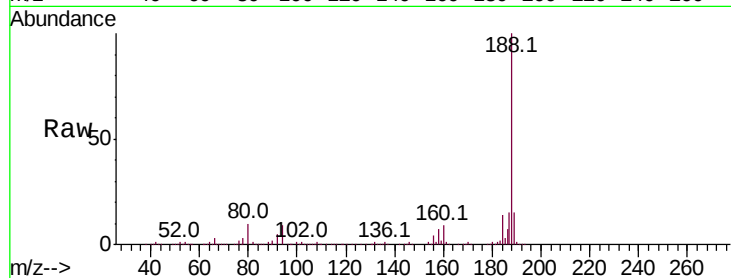




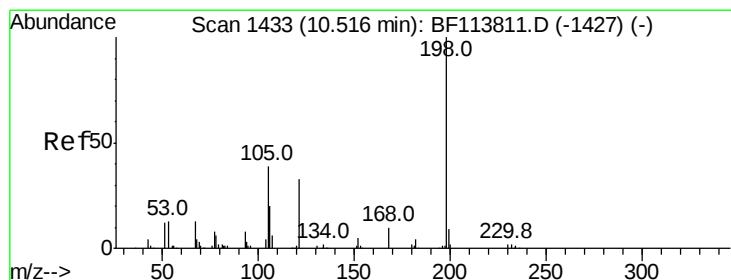
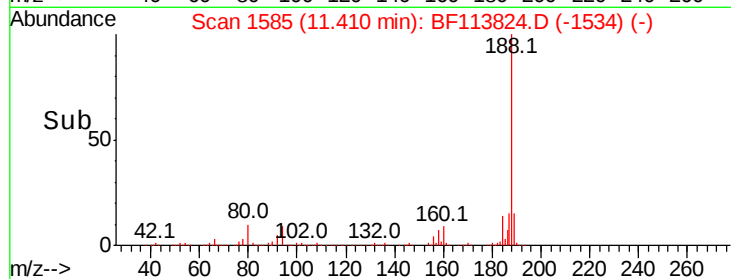
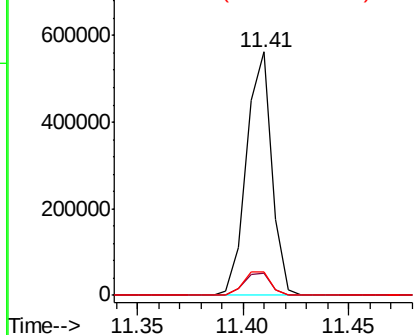
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 467325  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.2 12.4  
80 9.5 9.0 13.6

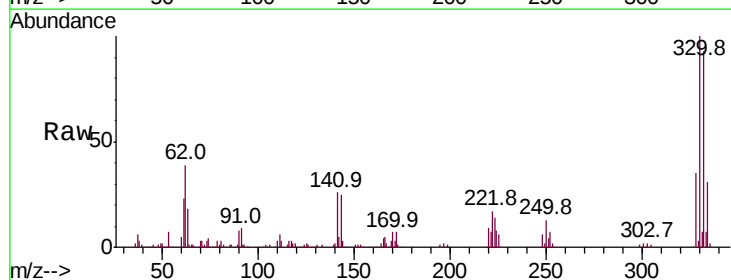


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

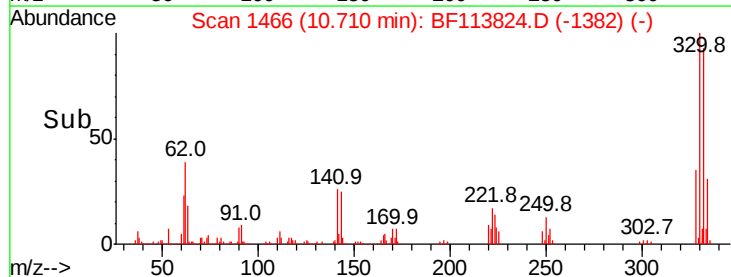
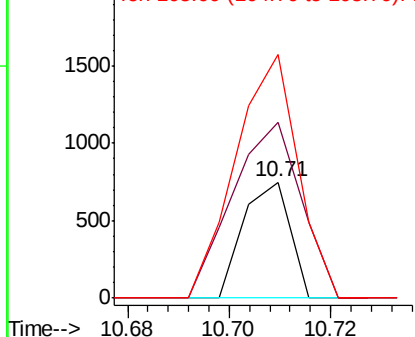


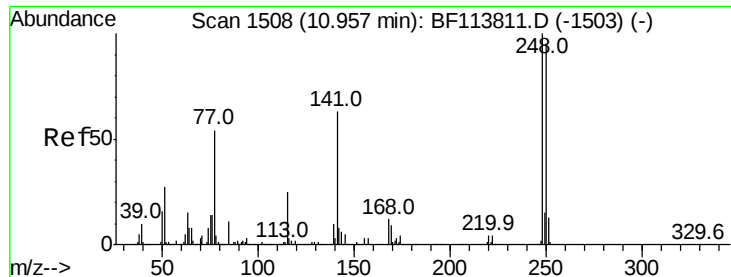
#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.139 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.19 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Tgt Ion:198 Resp: 478  
Ion Ratio Lower Upper  
198 100  
51 151.6 11.1 51.1#  
105 209.7 20.7 60.7#



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

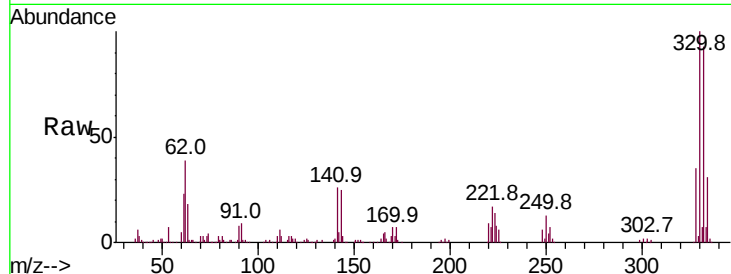




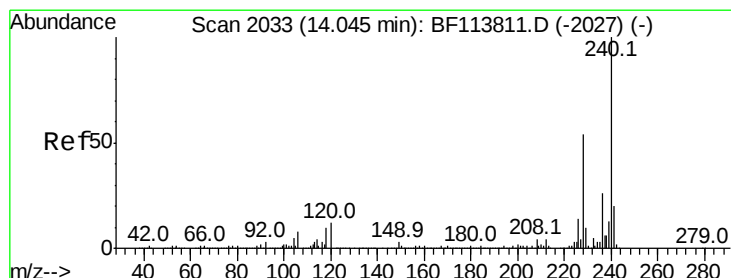
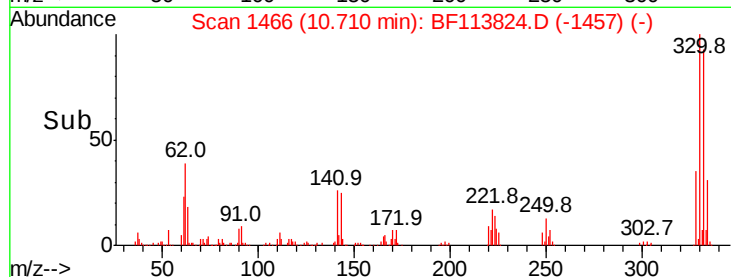
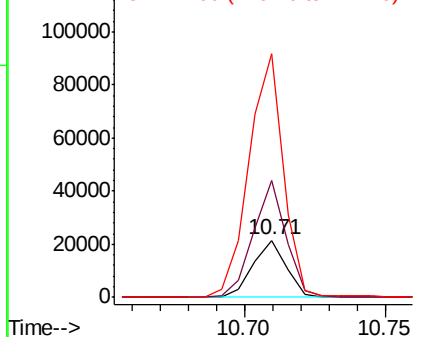
#67  
4-Bromophenyl-phenylether  
Concen: 3.204 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.25 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 17584  
Ion Ratio Lower Upper  
248 100  
250 204.1 75.8 113.6#  
141 424.4 50.2 75.4#

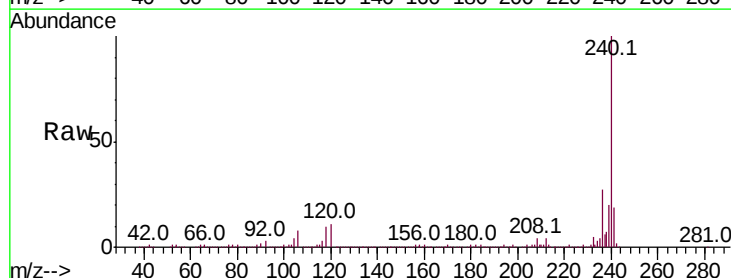


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

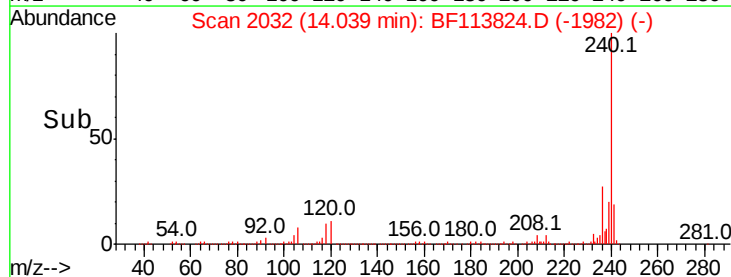
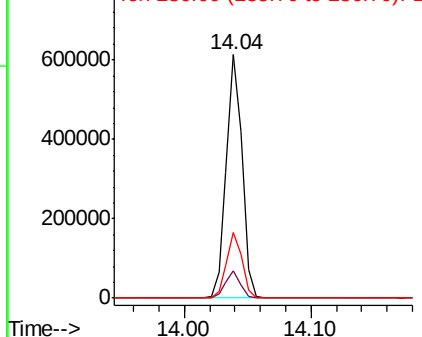


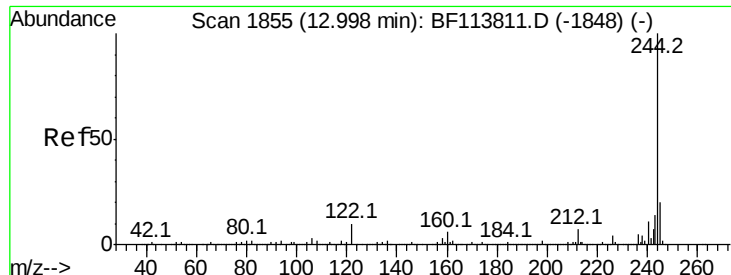
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF113824.D  
Acq: 18 Apr 2019 18:35

Tgt Ion:240 Resp: 530997  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.3 13.9  
236 26.7 21.2 31.8



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: 54.700 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

Instrument :

BNA\_F

ClientSampleId :

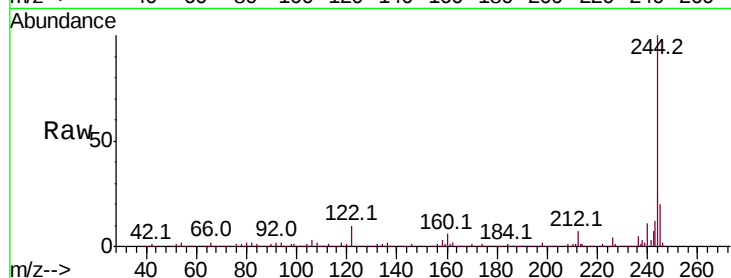
Tot Ion:244 Resp: 1385124

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

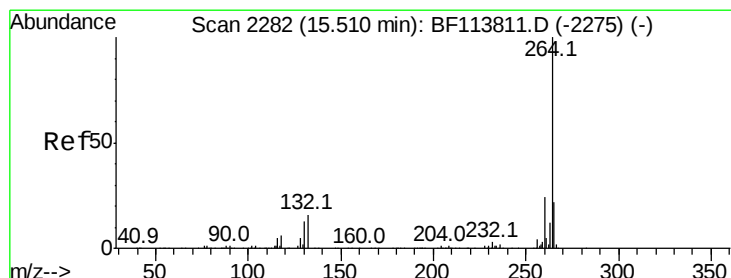
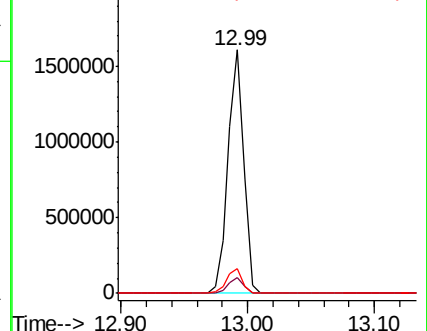
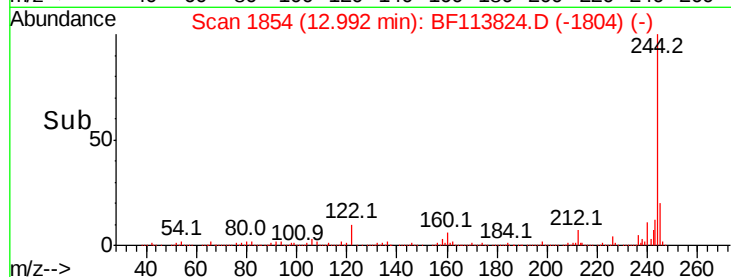
122 10.0 7.6 11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF113824.D

Acq: 18 Apr 2019 18:35

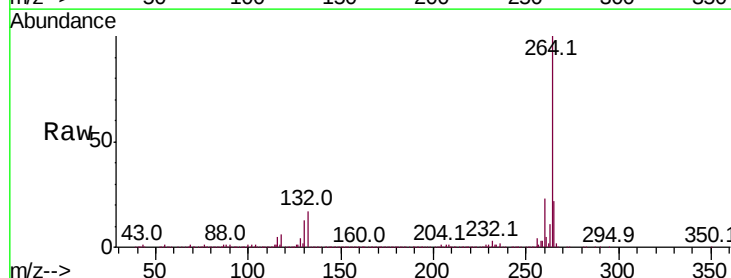
Tgt Ion:264 Resp: 656808

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.8 17.3 25.9



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

