

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\  
 Data File : BF113788.D  
 Acq On : 16 Apr 2019 12:33  
 Operator : JU/SJ  
 Sample : K2423-13  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 16 17:29:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 16 17:22:45 2019  
 Response via : Initial Calibration

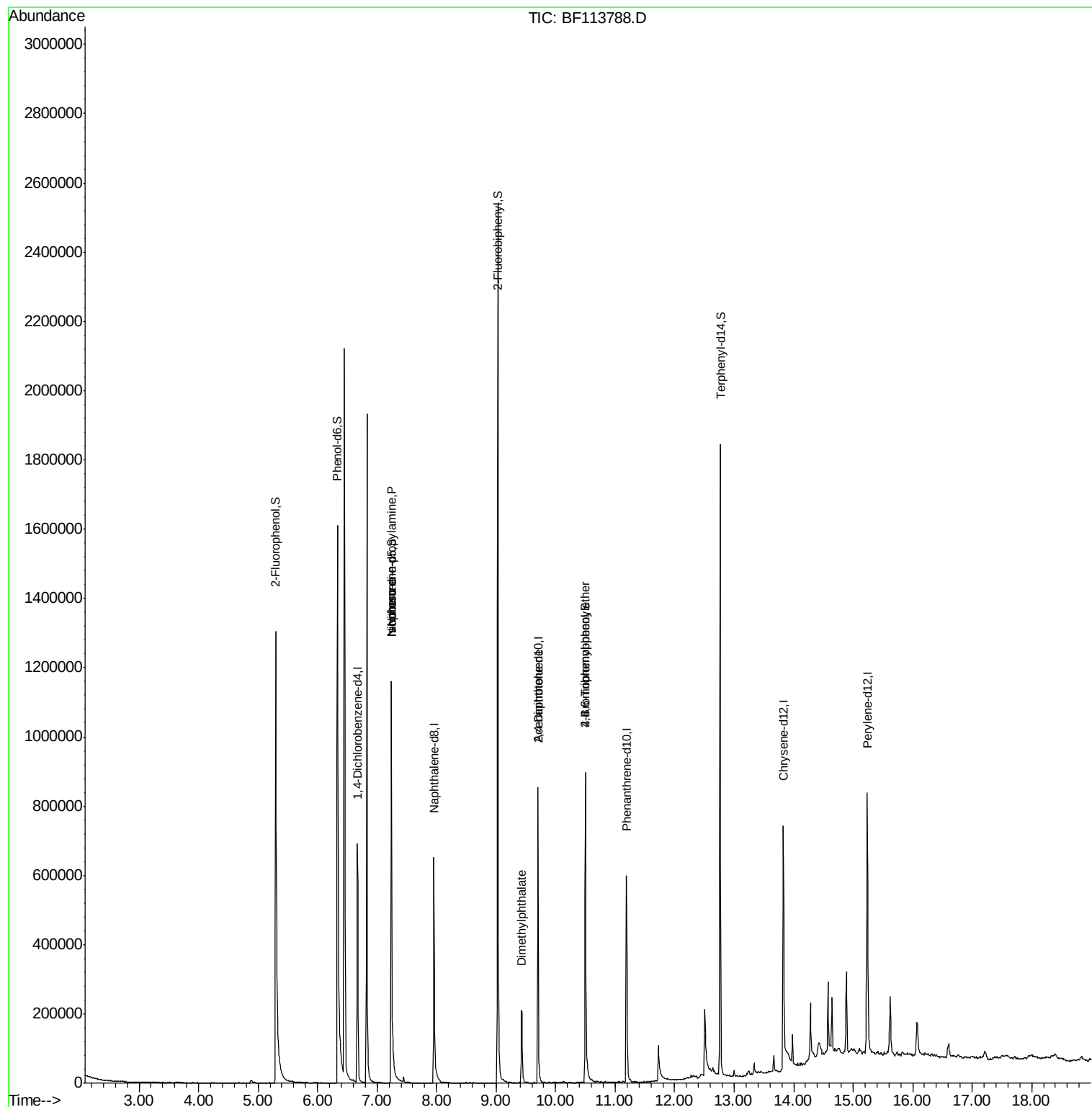
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.67  | 152  | 116892   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.96  | 136  | 427080   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.70  | 164  | 181747   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.19 | 188  | 312136   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.83 | 240  | 268237   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.24 | 264  | 334530   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 638988   | 93.22  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 839834   | 99.40  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.24  | 82   | 477314   | 65.46  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.50 | 330  | 161733   | 74.08  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.03  | 172  | 860520   | 76.22  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.77 | 244  | 672902   | 51.08  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.24  | 70   | 60953    | 11.700 | ng    | # 77     |
| 25) Isophorone                 | 7.24  | 82   | 468270   | 33.340 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.43  | 163  | 122932   | 9.176  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.70  | 165  | 22810    | 6.387  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248  | 8744     | 2.498  | ng    | # 1      |

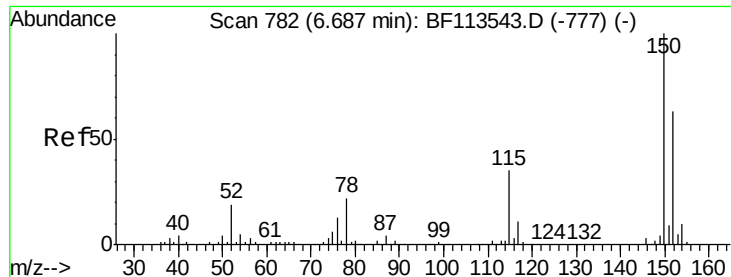
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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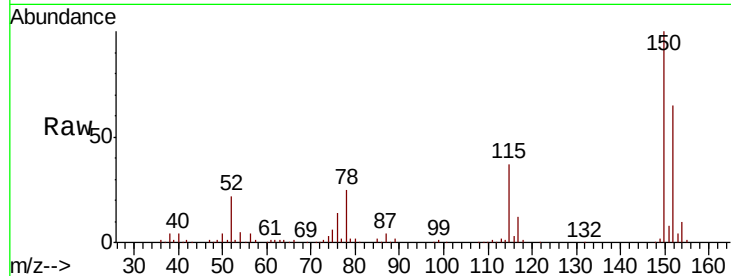


#1

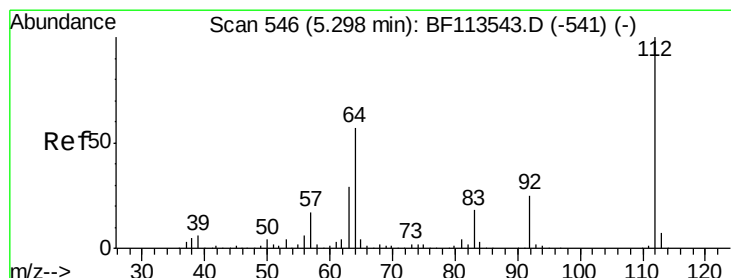
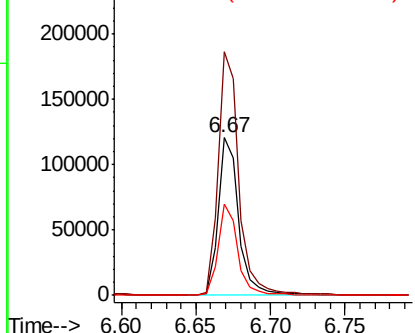
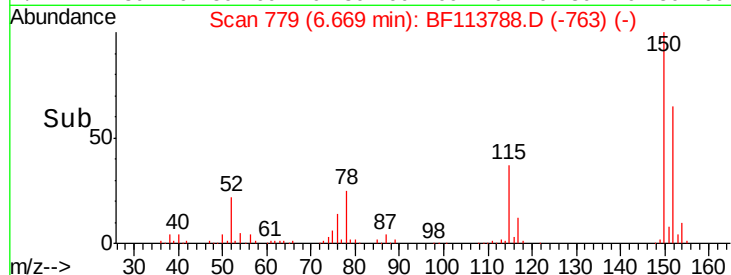
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.67 min Scan# 779  
 Delta R.T. -0.01 min  
 Lab File: BF113788.D  
 Acq: 16 Apr 2019 12:33

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 116892  
 Ion Ratio Lower Upper  
 152 100  
 150 154.7 125.1 187.7  
 115 57.9 43.9 65.9



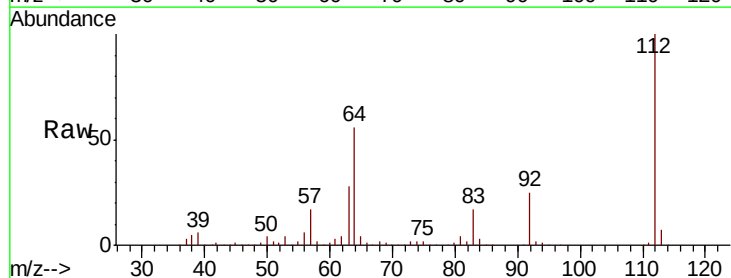
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



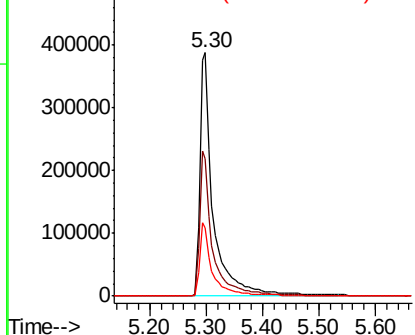
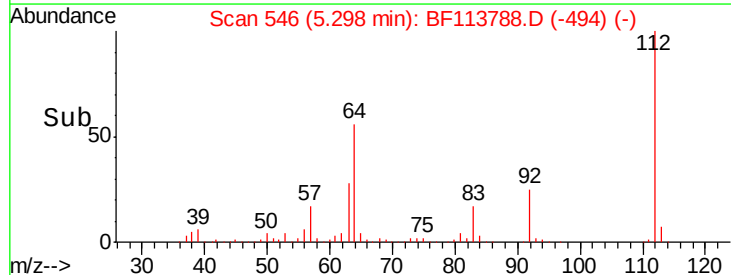
#5

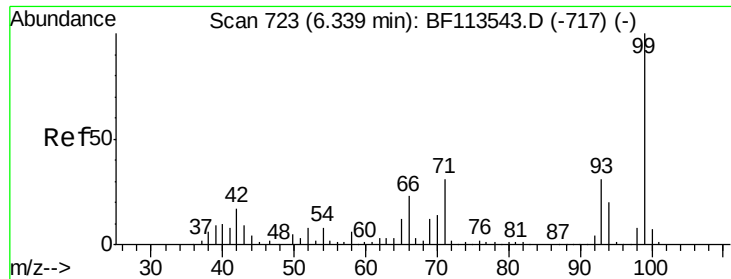
2-Fluorophenol  
 Concen: 93.216 ng  
 RT: 5.30 min Scan# 546  
 Delta R.T. 0.01 min  
 Lab File: BF113788.D  
 Acq: 16 Apr 2019 12:33

Tgt Ion:112 Resp: 638988  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 49.0 73.4  
 63 28.2 24.2 36.4



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: 99.404 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Instrument :

BNA\_F

ClientSampleId :

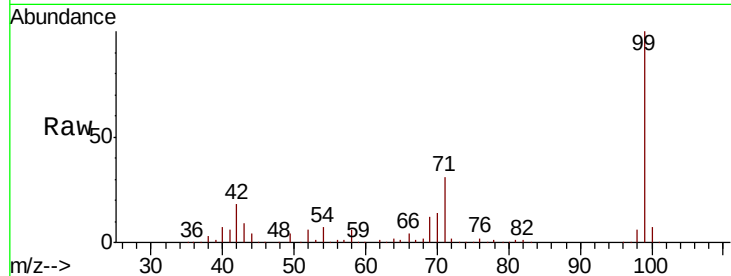
Tot Ion: 99 Resp: 839834

Ion Ratio Lower Upper

99 100

42 17.8 15.2 22.8

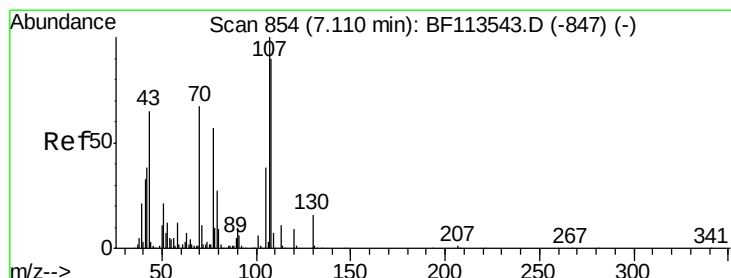
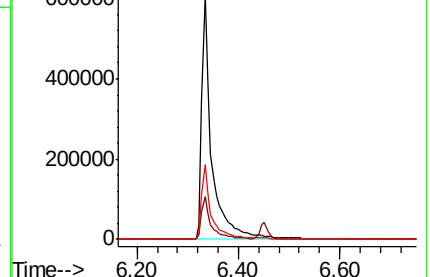
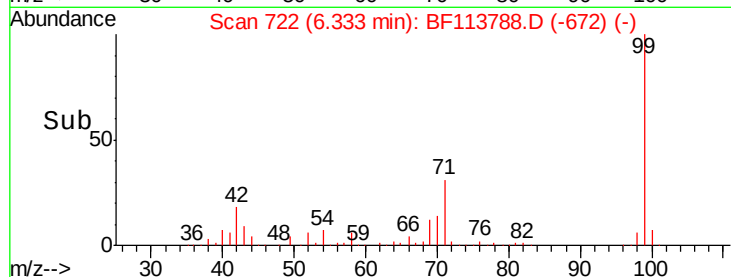
71 30.5 25.4 38.2



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: 11.700 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.14 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Tgt Ion: 70 Resp: 60953

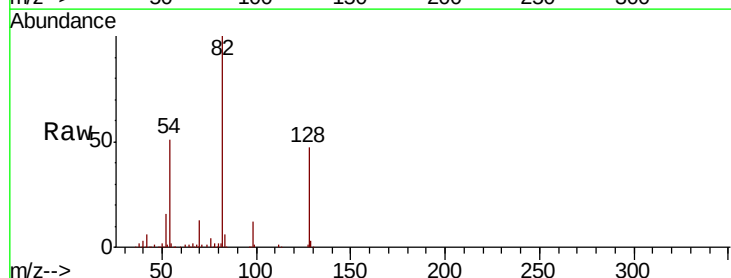
Ion Ratio Lower Upper

70 100

42 49.0 49.0 73.6

101 0.0 7.8 11.6#

130 2.4 17.8 26.6#

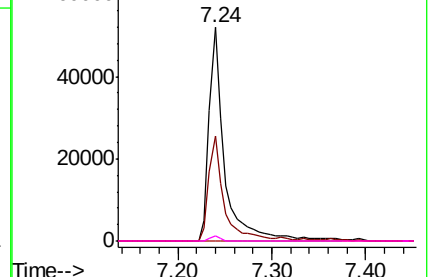
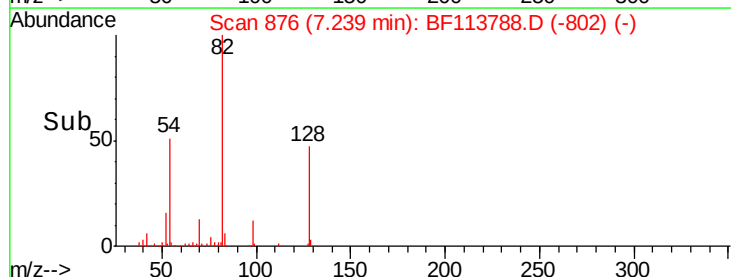


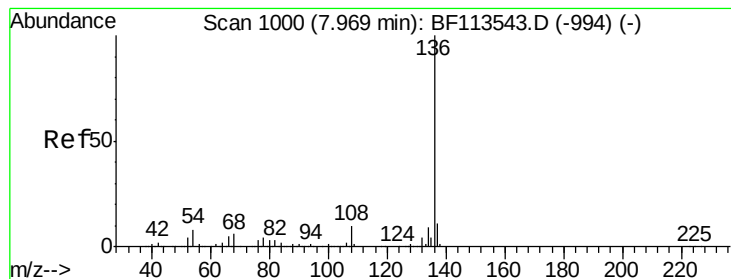
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.96 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 427080

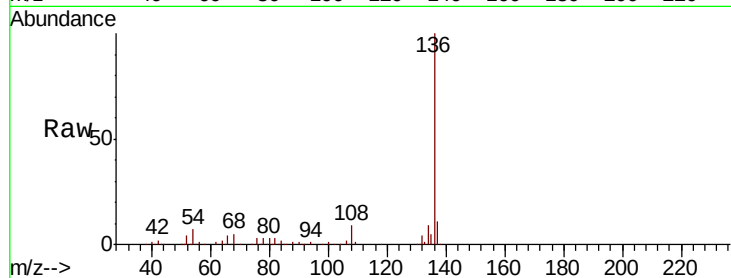
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.4 6.4 9.6

68 5.2 4.6 7.0

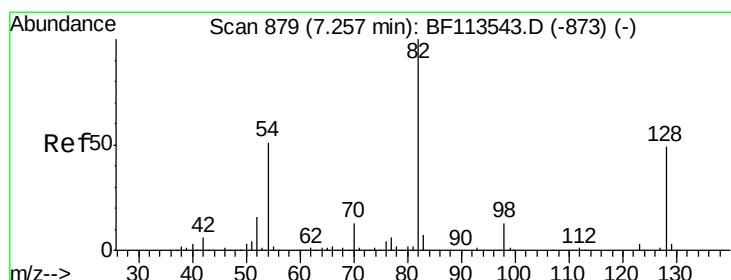
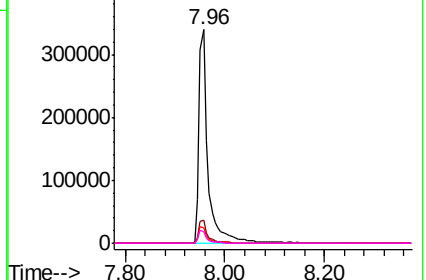
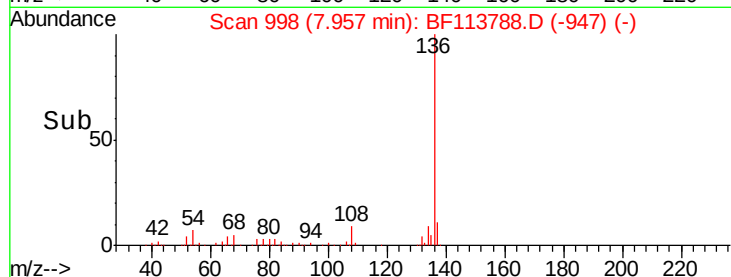


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.465 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

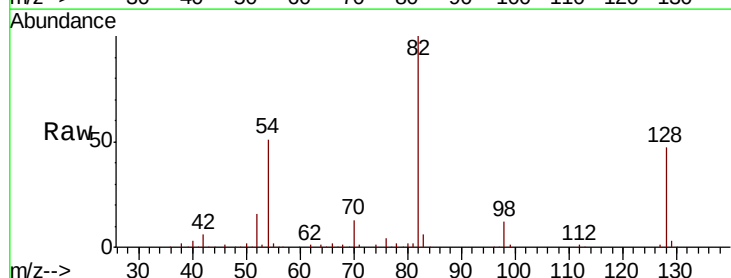
Tgt Ion: 82 Resp: 477314

Ion Ratio Lower Upper

82 100

128 47.2 38.2 57.2

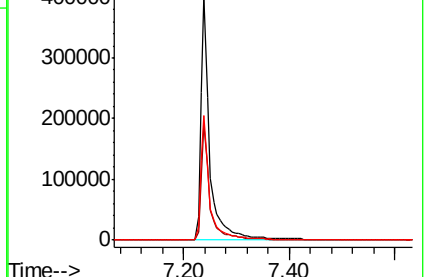
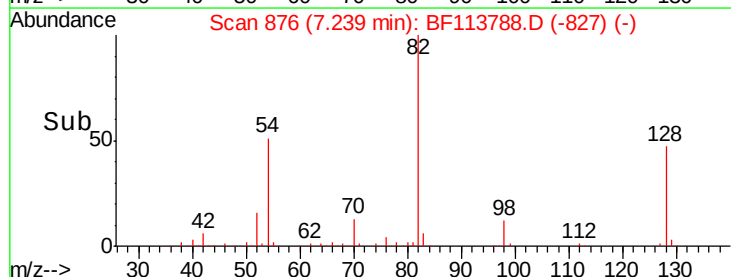
54 51.2 41.0 61.4

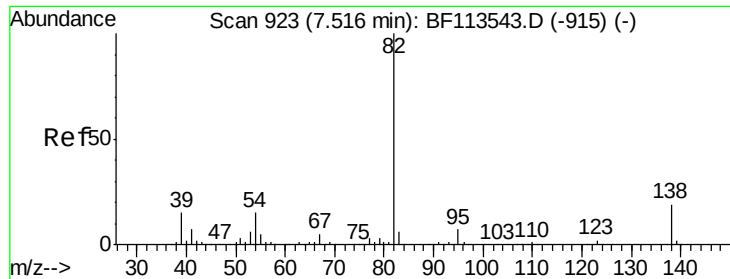


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

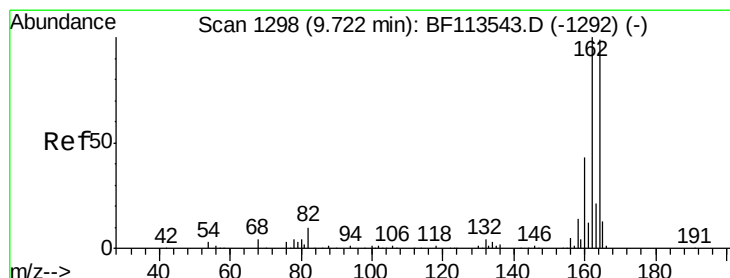
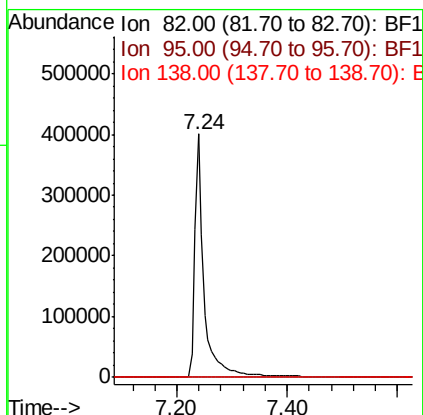
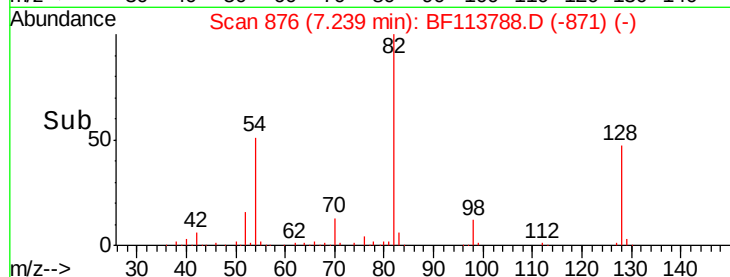
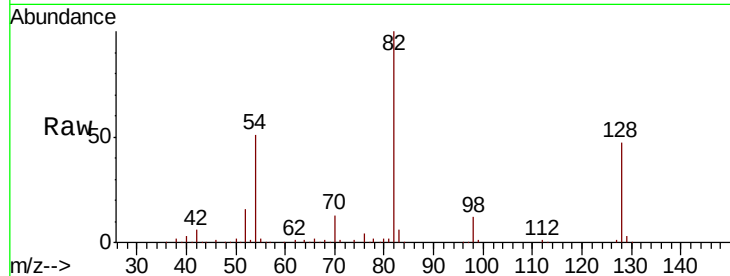




#25  
Isophorone  
Concen: 33.340 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.27 min  
Lab File: BF113788.D  
Acq: 16 Apr 2019 12:33

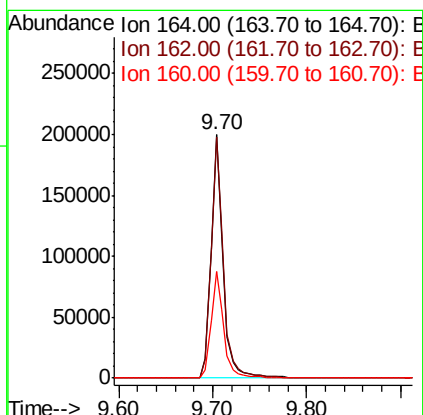
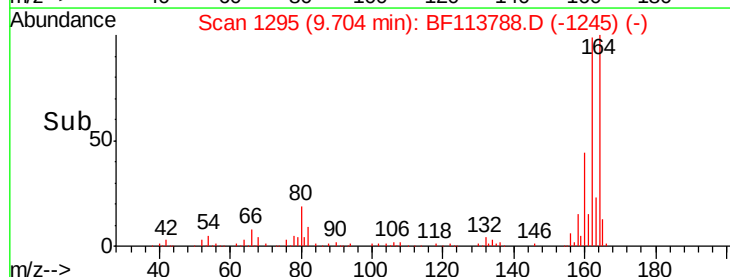
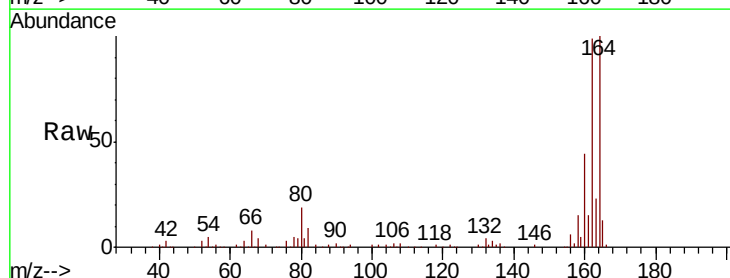
Instrument :  
BNA\_F  
ClientSampleId :

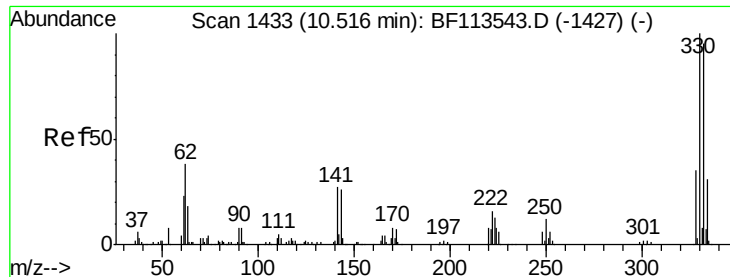
Tot Ion: 82 Resp: 468270  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 15.1 22.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BF113788.D  
Acq: 16 Apr 2019 12:33

Tgt Ion:164 Resp: 181747  
Ion Ratio Lower Upper  
164 100  
162 99.1 80.2 120.2  
160 43.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 74.080 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Instrument :

BNA\_F

ClientSampleId :

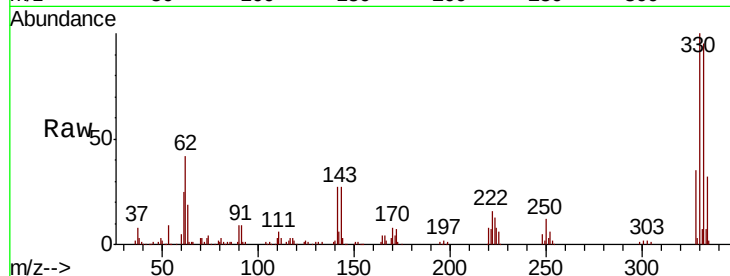
Tot Ion:330 Resp: 161733

Ion Ratio Lower Upper

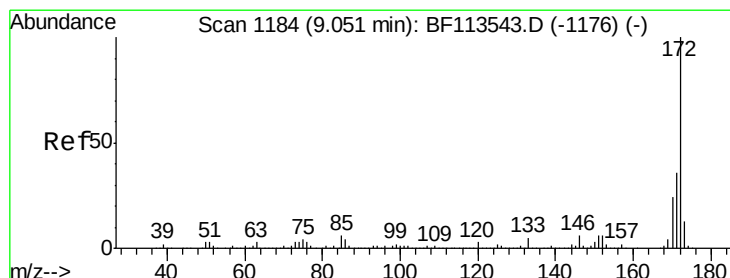
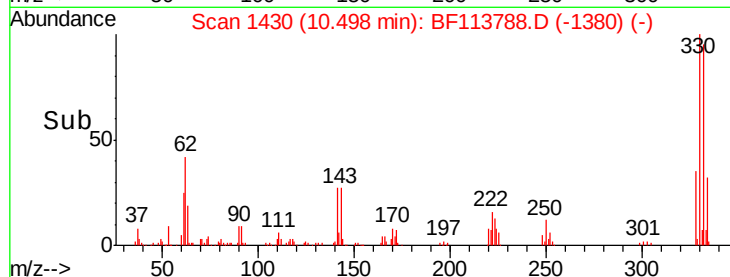
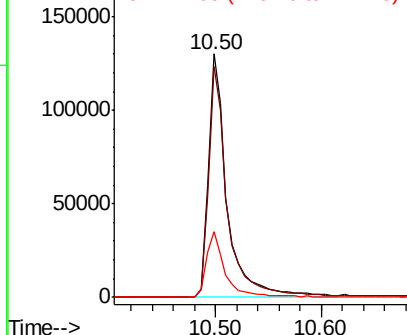
330 100

332 97.1 76.8 115.2

141 27.7 21.0 31.4



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: 76.224 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

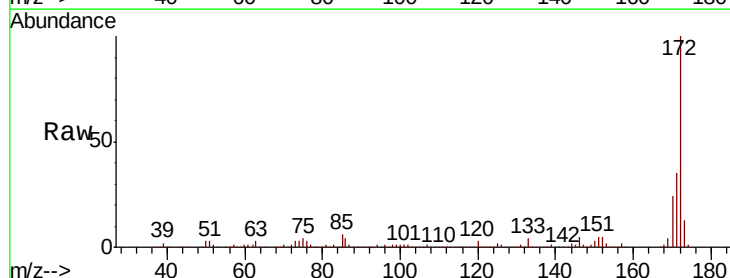
Tgt Ion:172 Resp: 860520

Ion Ratio Lower Upper

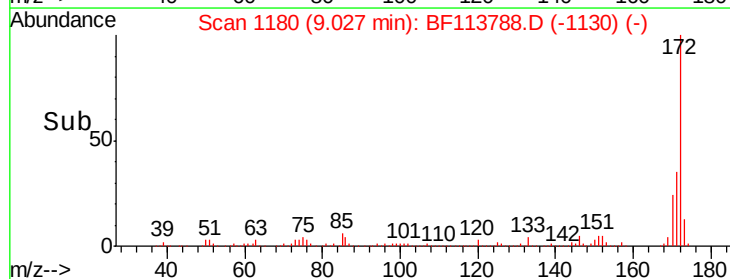
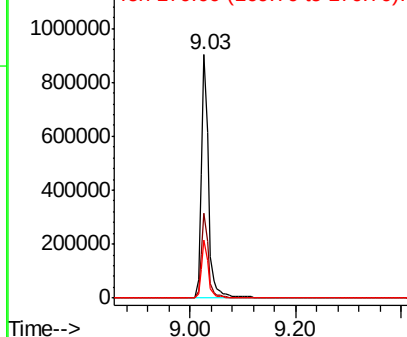
172 100

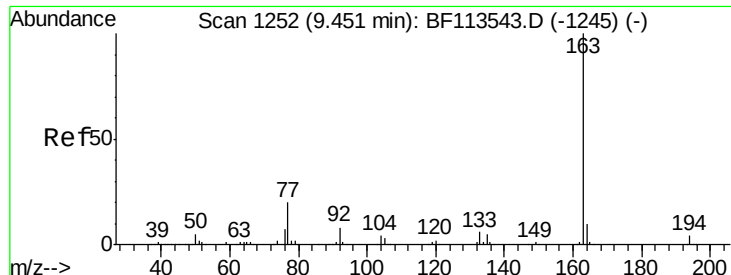
171 34.9 29.3 43.9

170 23.7 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





#50

Dimethylphthalate

Concen: 9.176 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Instrument :

BNA\_F

ClientSampled :

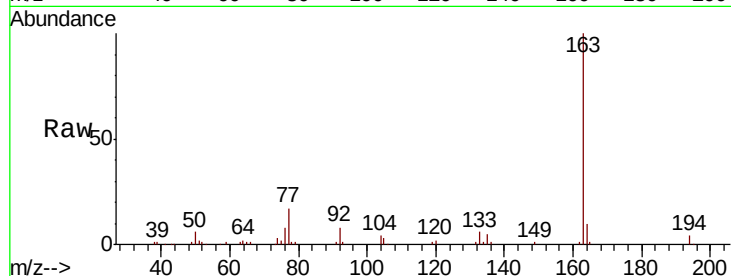
Tot Ion:163 Resp: 122932

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

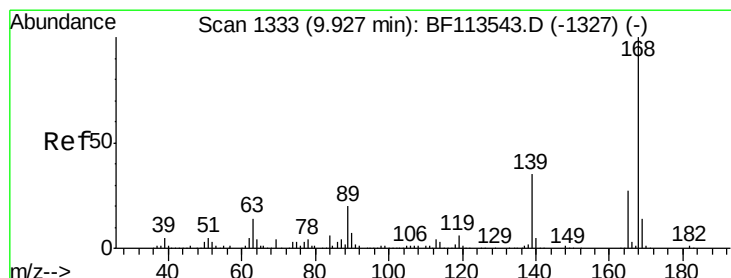
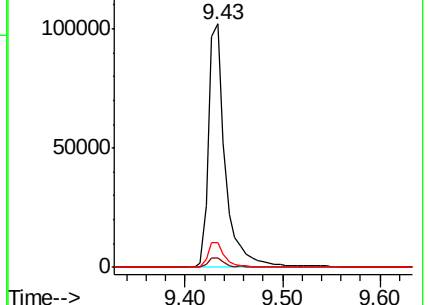
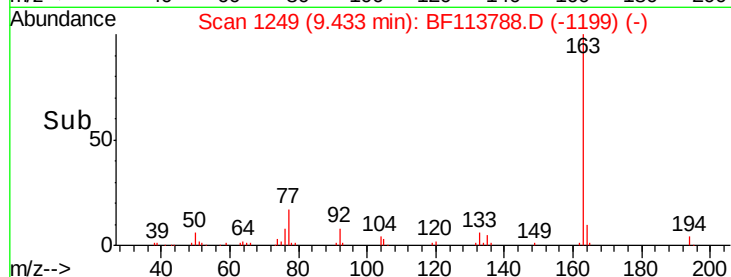
164 10.0 8.3 12.5



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: 6.387 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Tgt Ion:165 Resp: 22810

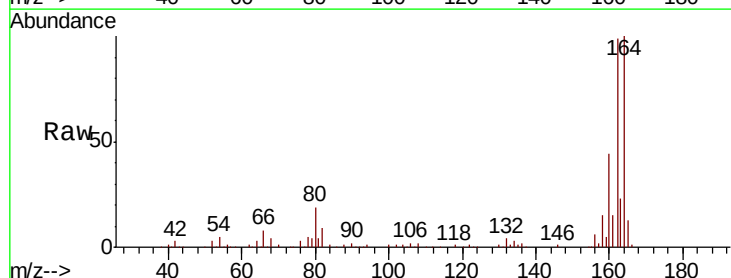
Ion Ratio Lower Upper

165 100

63 1.2 32.2 48.2#

89 0.0 51.3 76.9#

182 0.0 2.0 3.0#

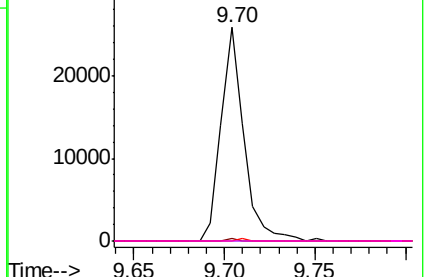
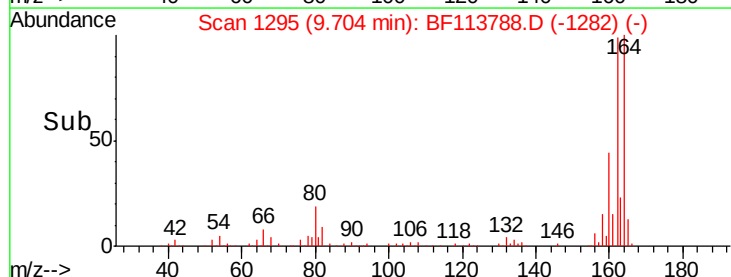


Abundance Ion 165.00 (164.70 to 165.70): E

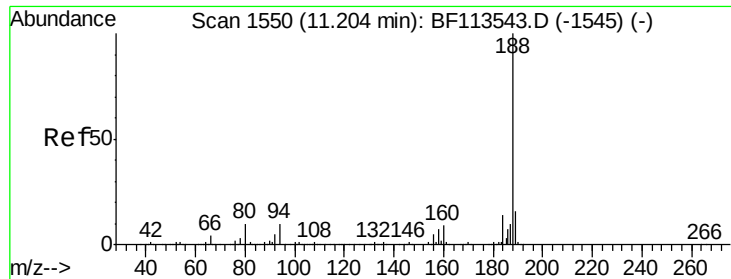
Ion 63.00 (62.70 to 63.70): BF1

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: 11.19 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

Instrument :

BNA\_F

ClientSampleId :

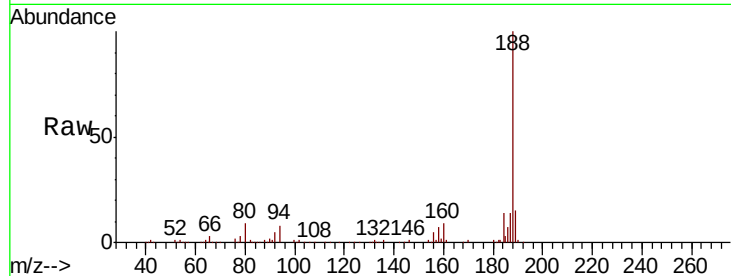
Tot Ion:188 Resp: 312136

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

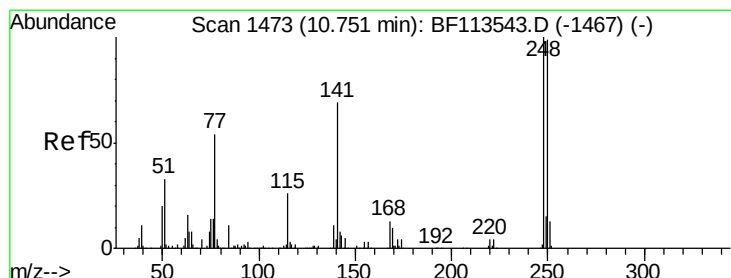
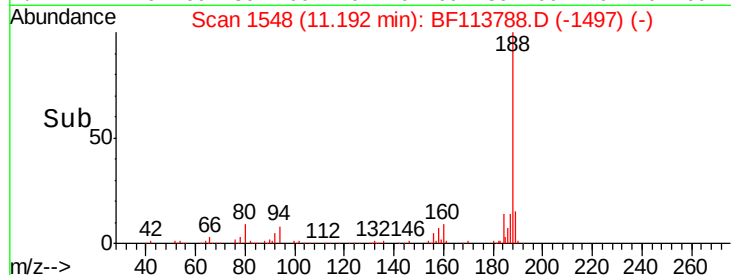
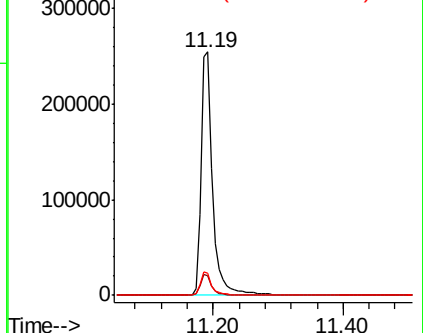
80 8.9 7.4 11.2



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



#67

4-Bromophenyl-phenylether

Concen: 2.498 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.24 min

Lab File: BF113788.D

Acq: 16 Apr 2019 12:33

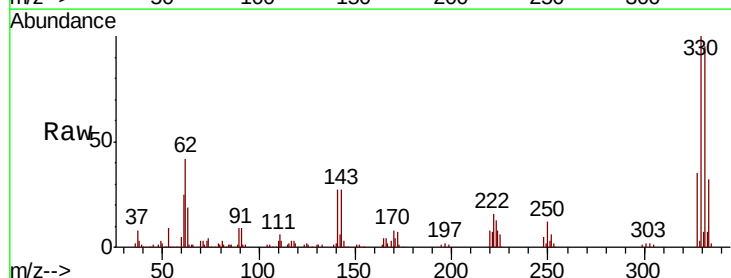
Tgt Ion:248 Resp: 8744

Ion Ratio Lower Upper

248 100

250 212.1 77.8 116.6#

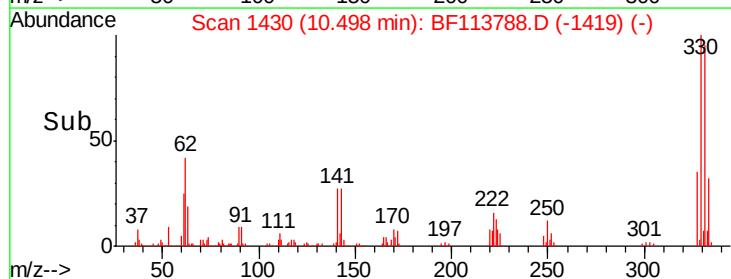
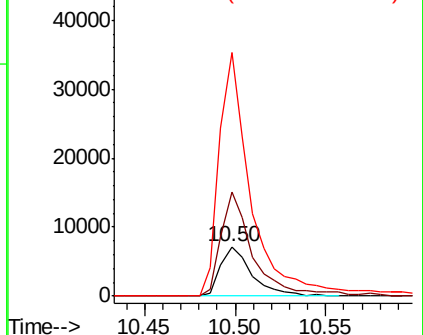
141 494.0 55.3 82.9#

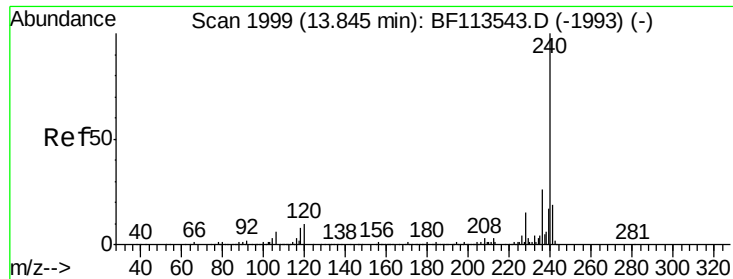


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

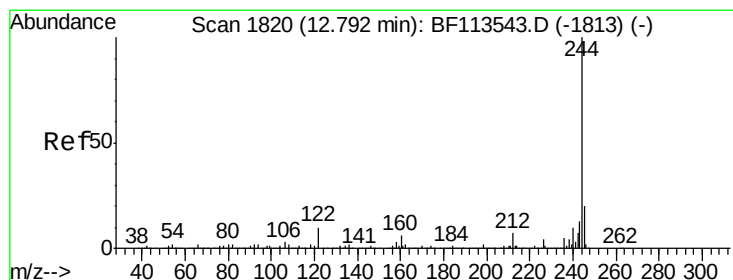
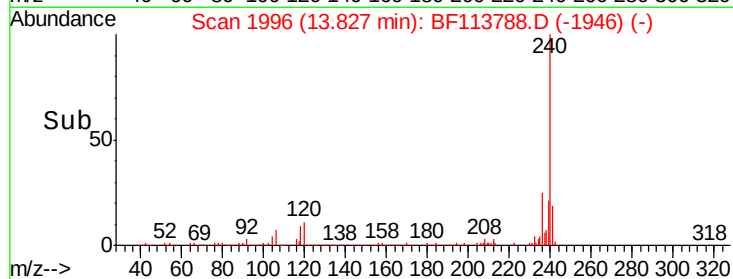
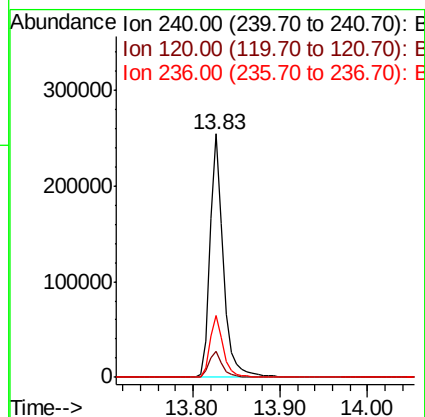
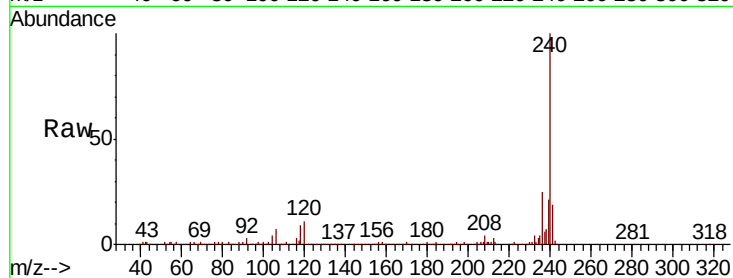




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BF113788.D  
 Acq: 16 Apr 2019 12:33

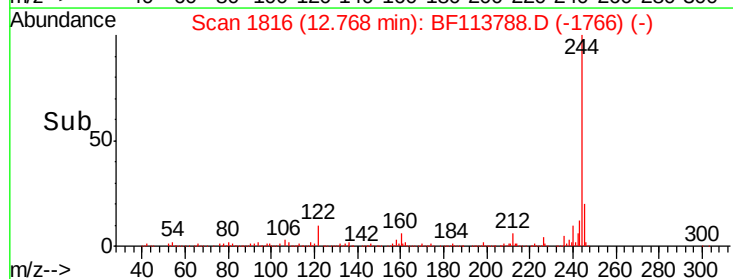
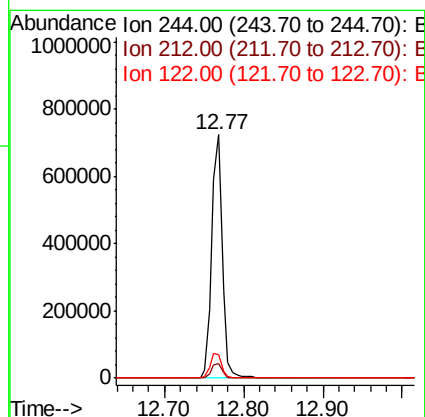
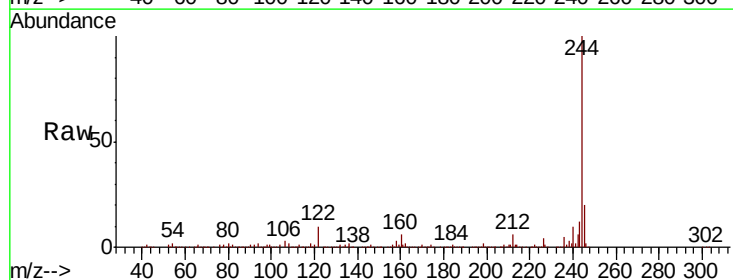
Instrument :  
 BNA\_F  
 ClientSampleId :

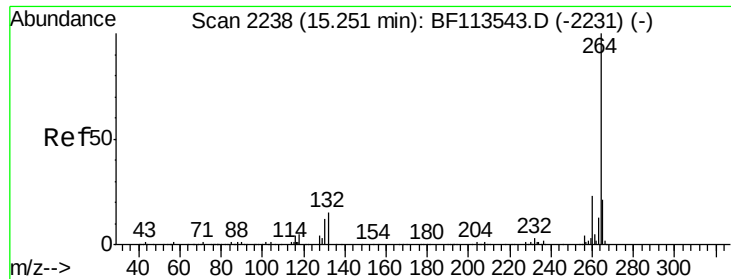
Tot Ion:240 Resp: 268237  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.5 12.7  
 236 25.2 21.0 31.6



#79  
 Terphenyl-d14  
 Concen: 51.076 ng  
 RT: 12.77 min Scan# 1816  
 Delta R.T. -0.01 min  
 Lab File: BF113788.D  
 Acq: 16 Apr 2019 12:33

Tgt Ion:244 Resp: 672902  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.4 8.2  
 122 9.6 9.0 13.6

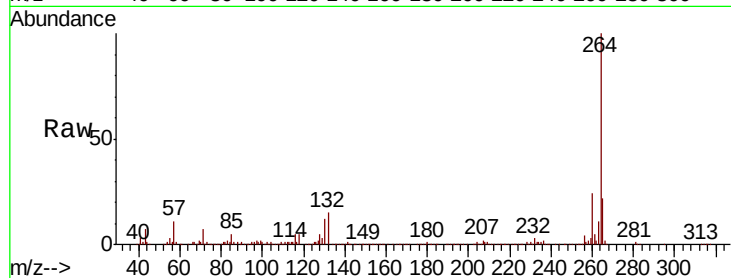




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.00 min  
 Lab File: BF113788.D  
 Acq: 16 Apr 2019 12:33

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.0  | 28.6  |
| 265     | 21.6  | 17.4  | 26.0  |



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

