

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031919\  
 Data File : BF113130.D  
 Acq On : 19 Mar 2019 17:23  
 Operator : JU/SJ  
 Sample : K1974-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC4

Quant Time: Mar 20 01:47:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 2019  
 Response via : Initial Calibration

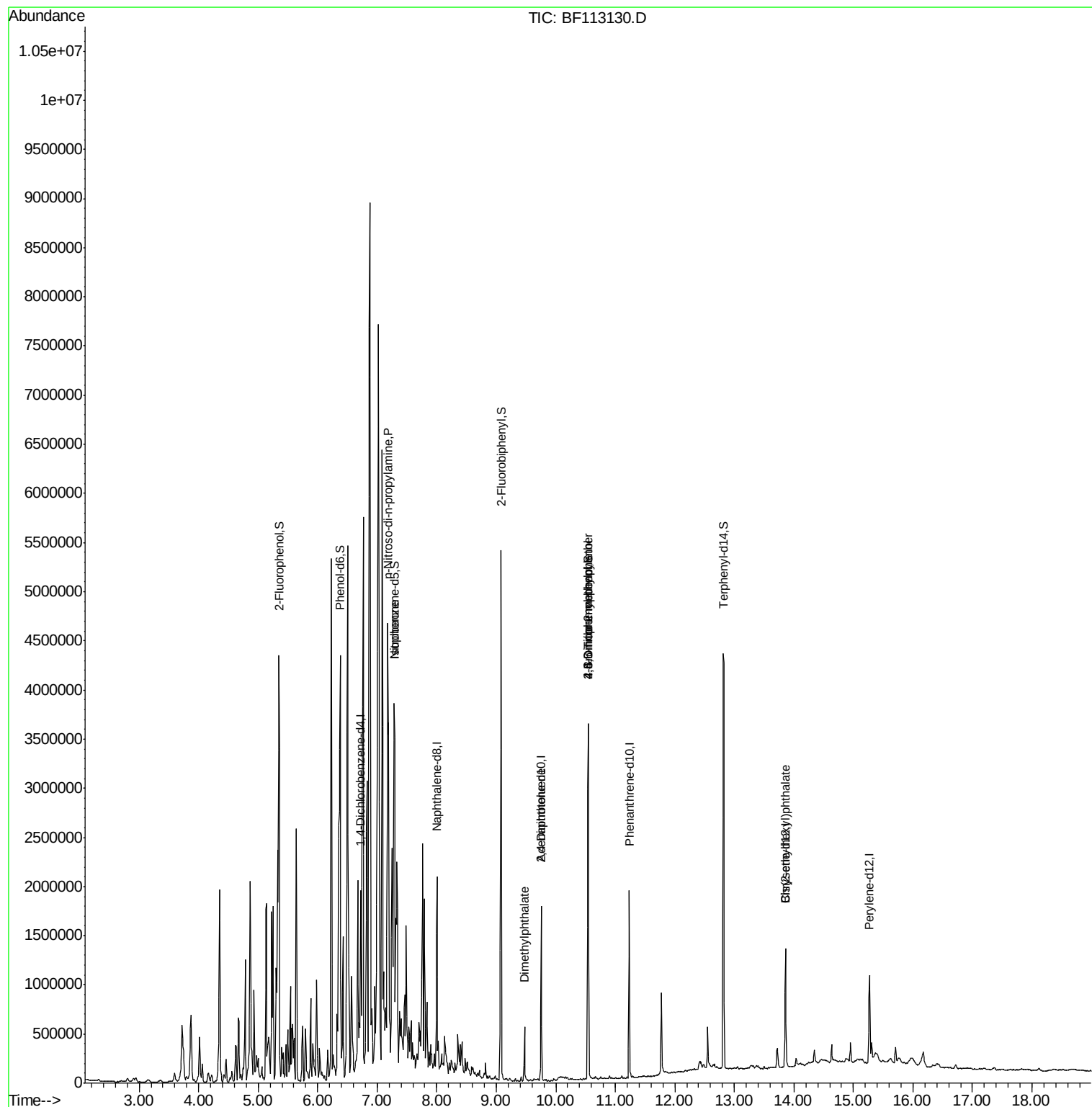
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 224955   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 824884   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.75  | 164  | 388327   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.23 | 188  | 697138   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.86 | 240  | 425534   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.27 | 264  | 446466   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 1428138  | 98.75  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 1978387  | 108.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 1206970  | 87.55  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.55 | 330  | 545899   | 132.42 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.08  | 172  | 1992554  | 85.02  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.82 | 244  | 1718319  | 78.28  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.17  | 70   | 334761   | 29.096 | ng    | # 49     |
| 25) Isophorone                 | 7.29  | 82   | 1188247  | 40.011 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.47  | 163  | 246540   | 8.610  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 9.75  | 165  | 49395    | 6.664  | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylphenol | 10.55 | 198  | 928      | 4.906  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 31422    | 4.279  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 94811    | 5.105  | ng    | 100      |

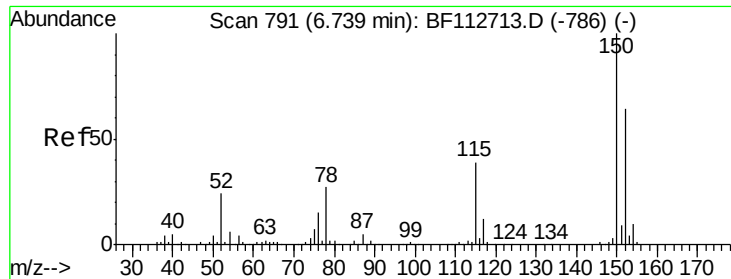
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031919\  
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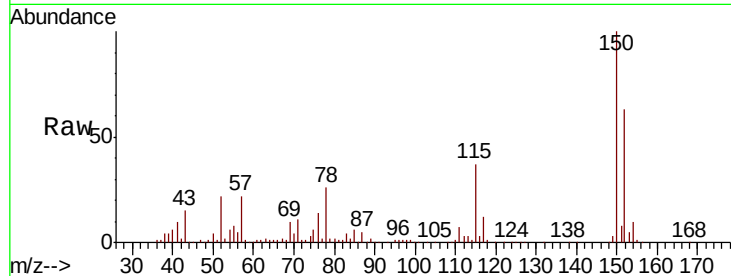


#1

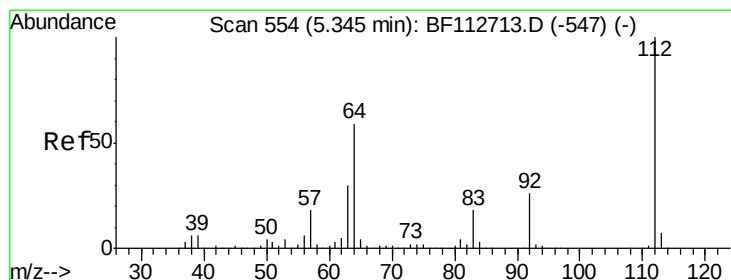
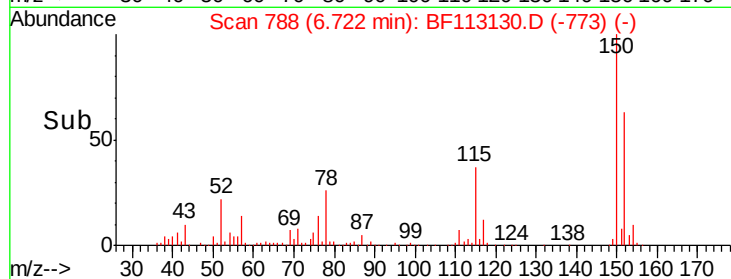
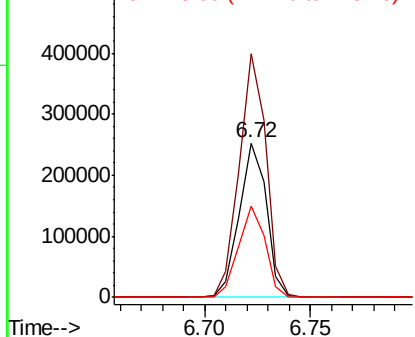
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

Instrument :  
BNA\_F  
ClientSampleId :  
WC4

Tgt Ion:152 Resp: 224955  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.2 186.2  
115 59.0 48.2 72.4



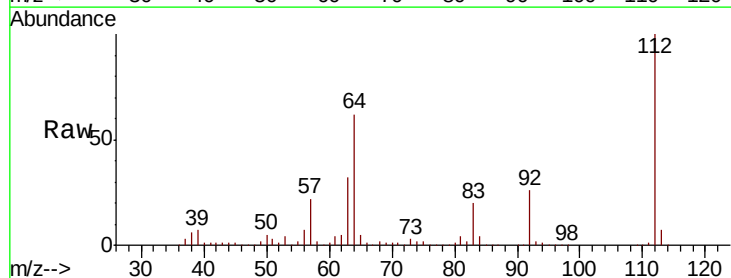
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



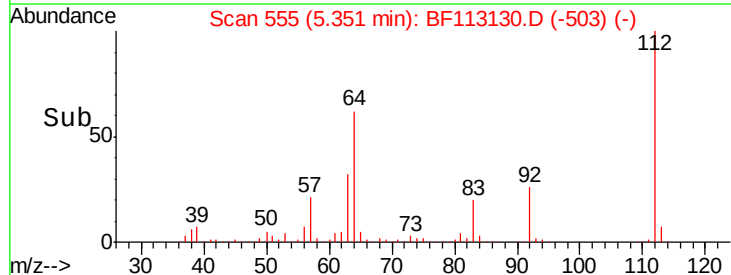
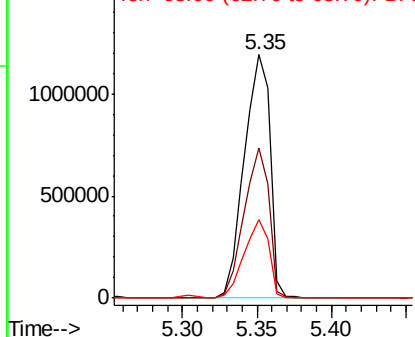
#5

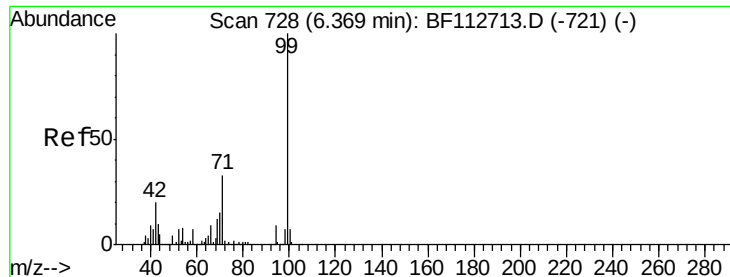
2-Fluorophenol  
Concen: 98.754 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

Tgt Ion:112 Resp: 1428138  
Ion Ratio Lower Upper  
112 100  
64 61.9 47.6 71.4  
63 32.4 24.4 36.6



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: 108.906 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

Instrument :

BNA\_F

ClientSampleId :

WC4

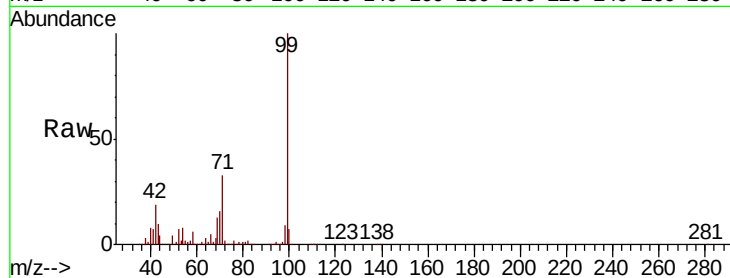
Tgt Ion: 99 Resp: 1978387

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

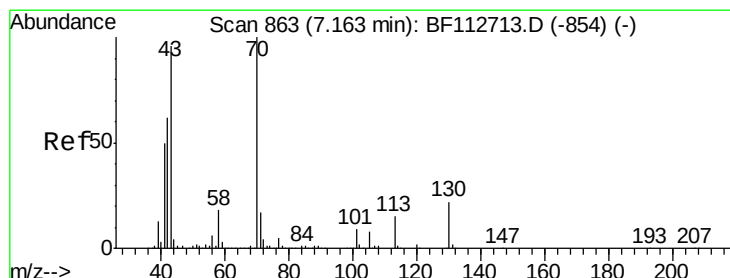
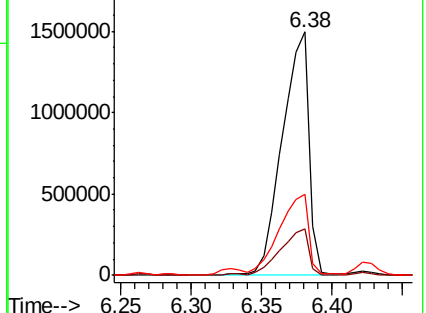
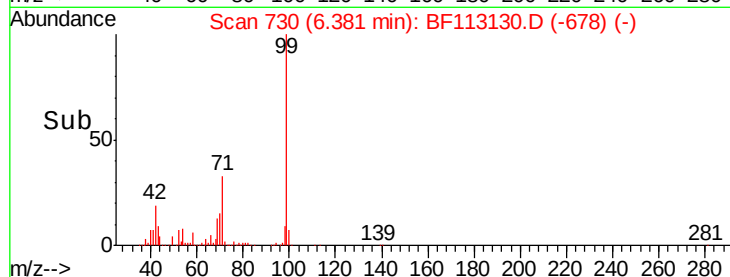
71 33.3 26.2 39.4



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: 29.096 ng

RT: 7.17 min Scan# 865

Delta R.T. 0.02 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

Tgt Ion: 70 Resp: 334761

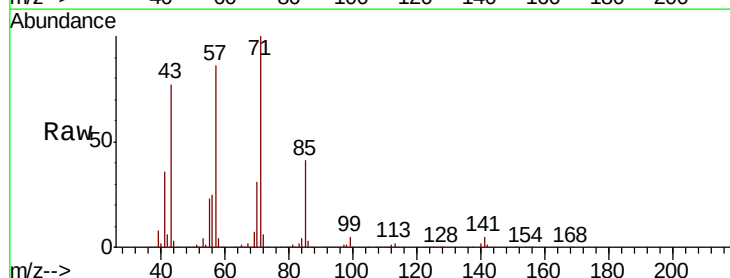
Ion Ratio Lower Upper

70 100

42 18.2 49.9 74.9#

101 0.0 7.4 11.2#

130 0.0 17.4 26.2#

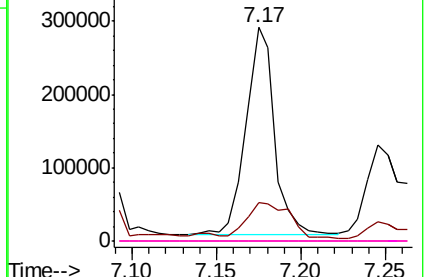
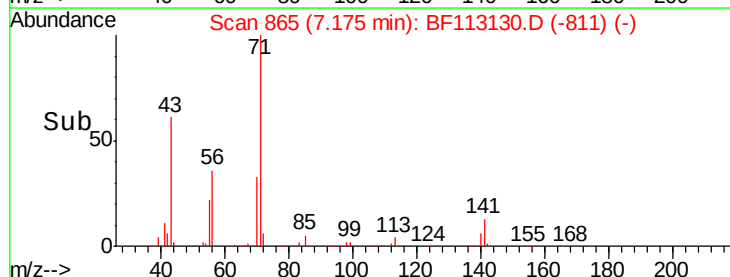


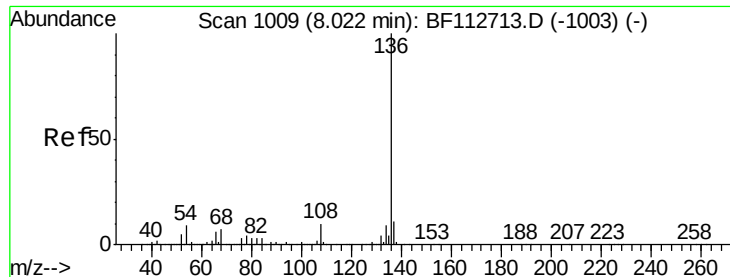
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

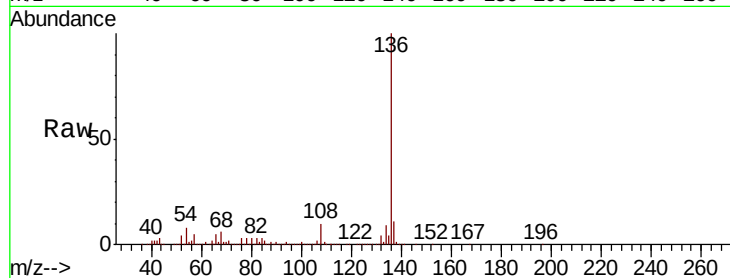




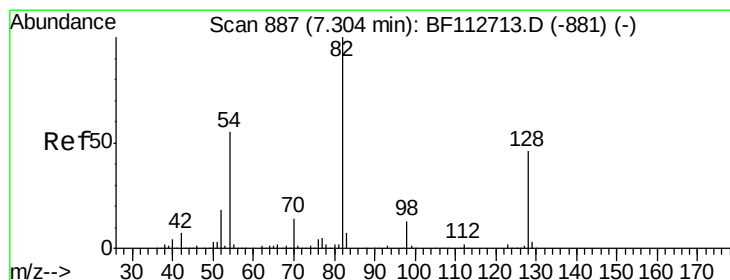
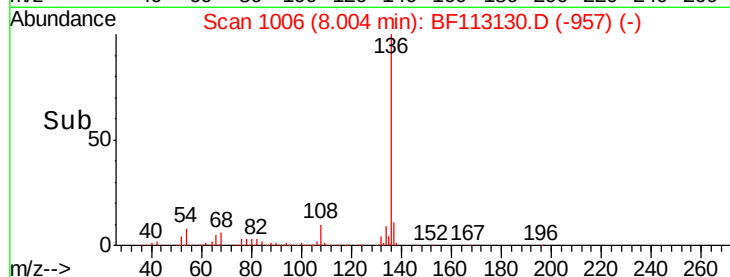
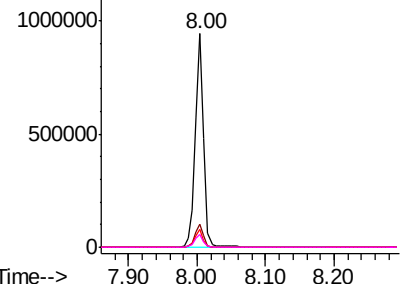
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

Instrument :  
BNA\_F  
ClientSampled :  
WC4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 824884 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 8.1   | 7.3   | 10.9   |
| 68       | 6.0   | 5.4   | 8.2    |

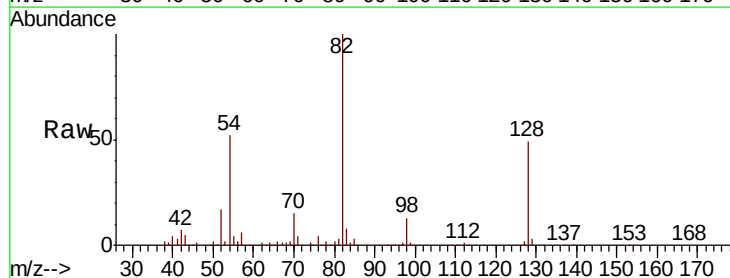


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

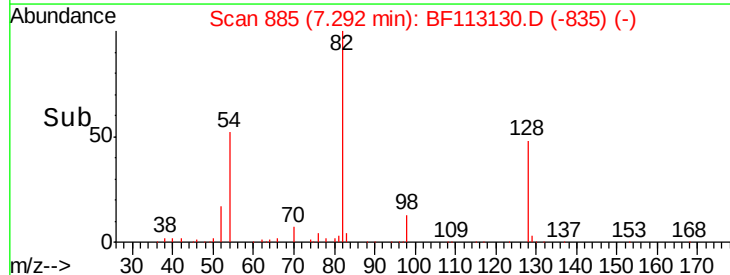
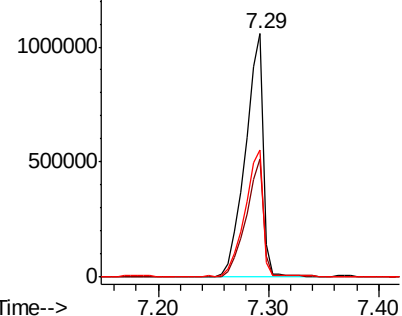


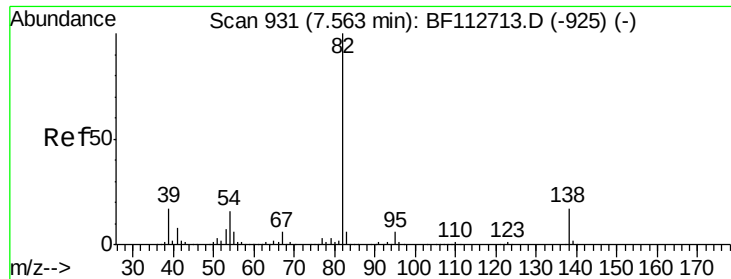
#23  
Nitrobenzene-d5  
Concen: 87.555 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1206970 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 48.6  | 36.3  | 54.5    |
| 54       | 52.0  | 43.7  | 65.5    |



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: 40.011 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

Instrument :

BNA\_F

ClientSampleId :

WC4

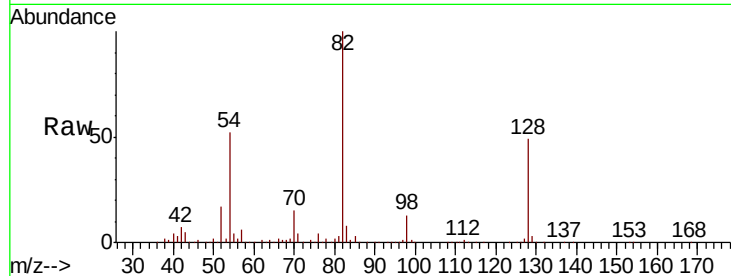
Tgt Ion: 82 Resp: 1188247

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

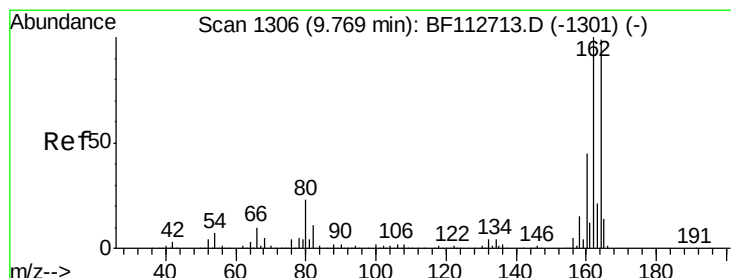
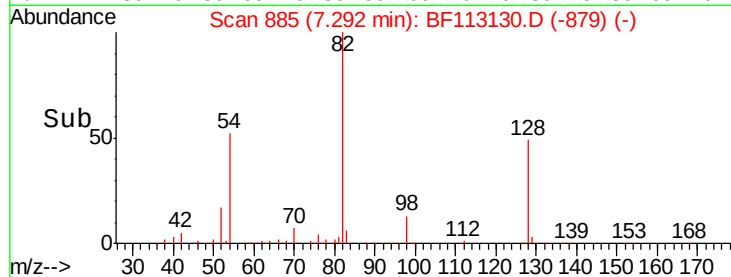
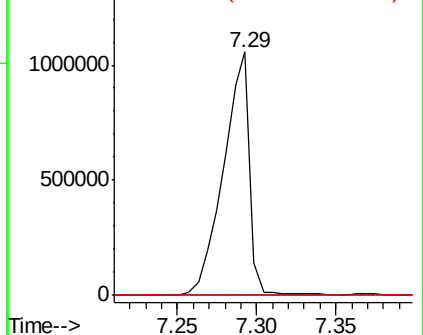
138 0.0 13.8 20.8#



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: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

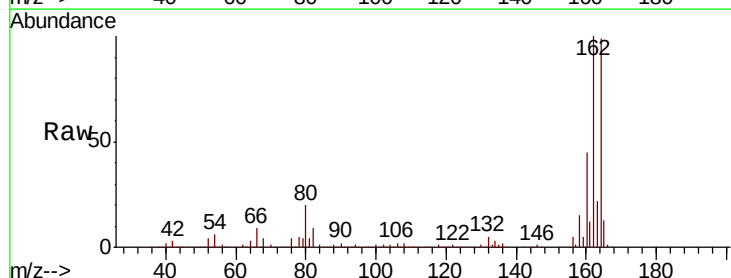
Tgt Ion: 164 Resp: 388327

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

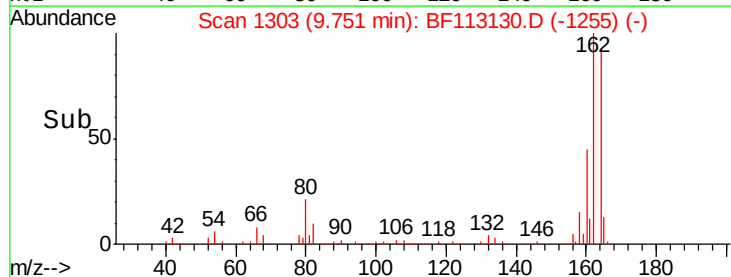
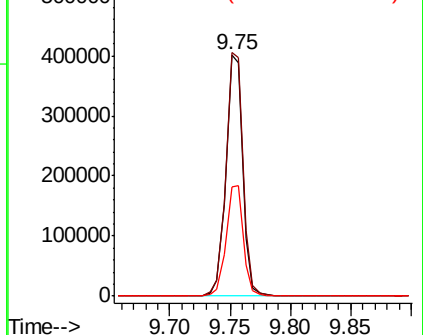
160 45.1 36.0 54.0

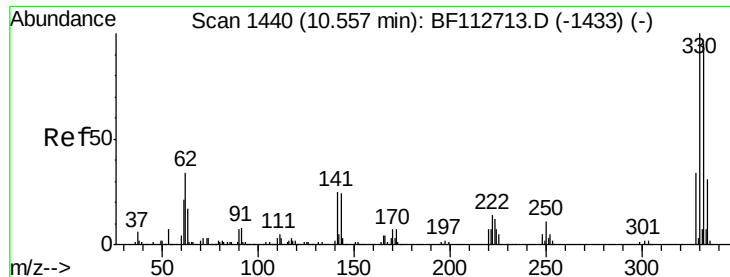


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

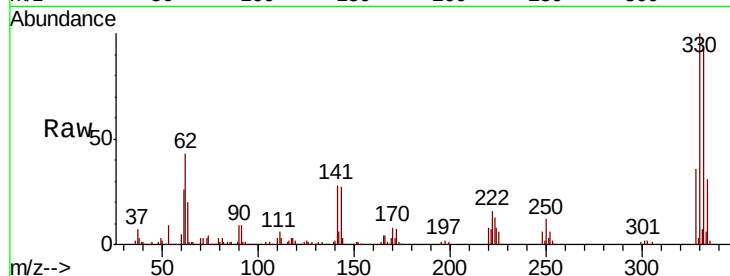




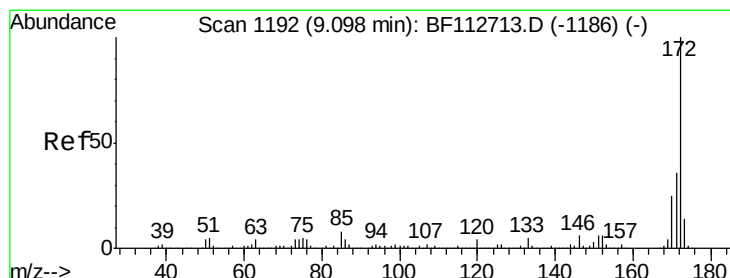
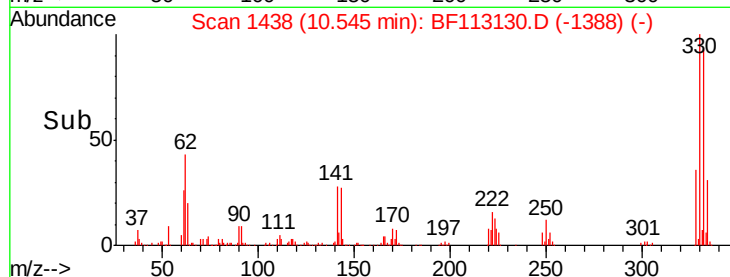
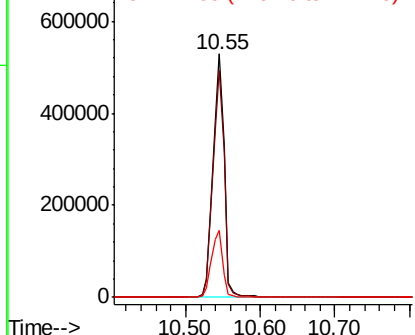
#42  
 2,4,6-Tribromophenol  
 Concen: 132.417 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF113130.D  
 Acq: 19 Mar 2019 17:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC4

Tgt Ion:330 Resp: 545899  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 76.2 114.4  
 141 28.1 27.0 40.6

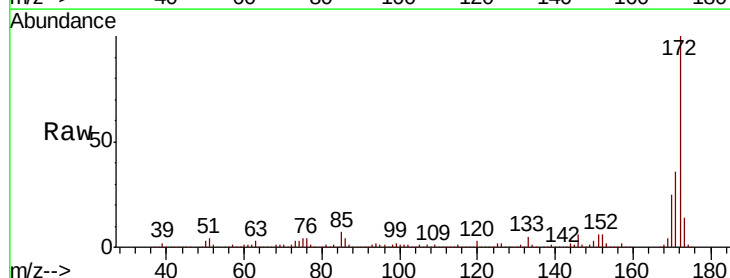


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

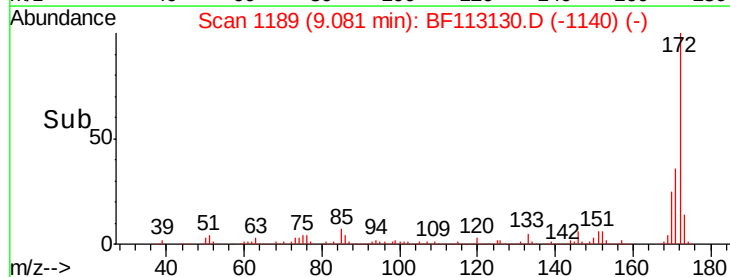
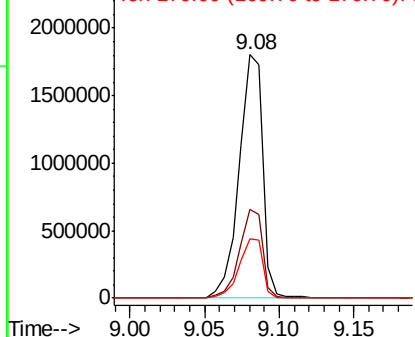


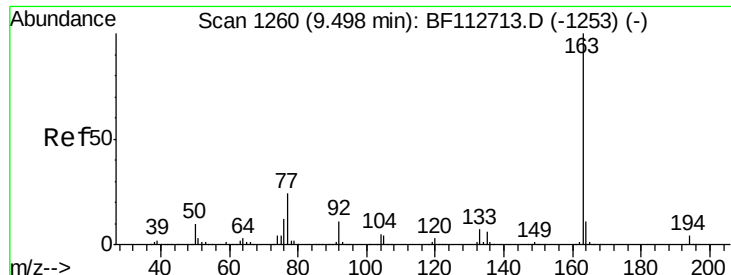
#45  
 2-Fluorobiphenyl  
 Concen: 85.020 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF113130.D  
 Acq: 19 Mar 2019 17:23

Tgt Ion:172 Resp: 1992554  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.0 43.4  
 170 24.6 20.0 30.0



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

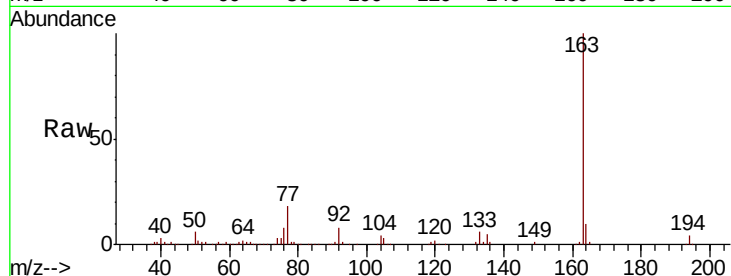




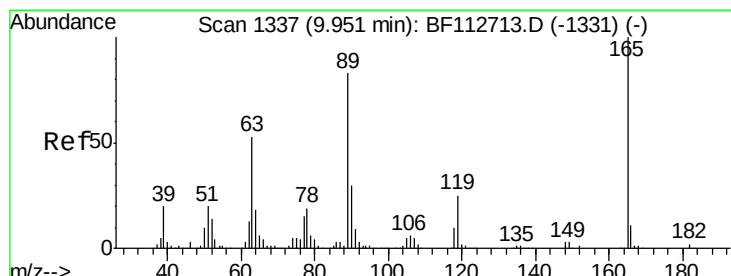
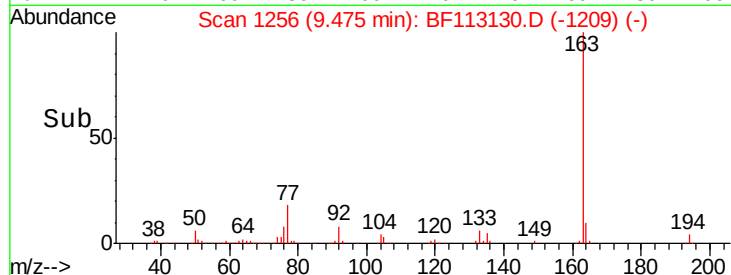
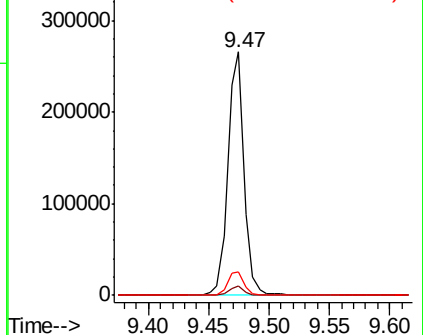
#50  
Dimethylphthalate  
Concen: 8.610 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.02 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

Instrument :  
BNA\_F  
ClientSampleId :  
WC4

Tgt Ion:163 Resp: 246540  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.4  
164 9.7 8.4 12.6

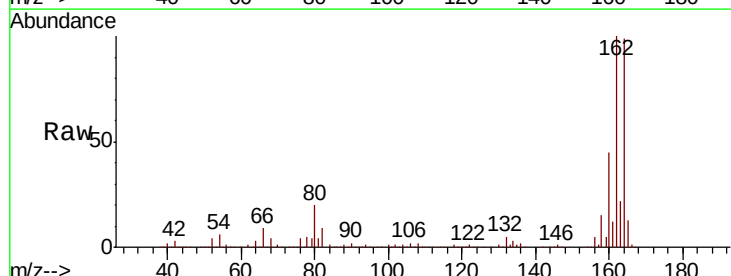


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

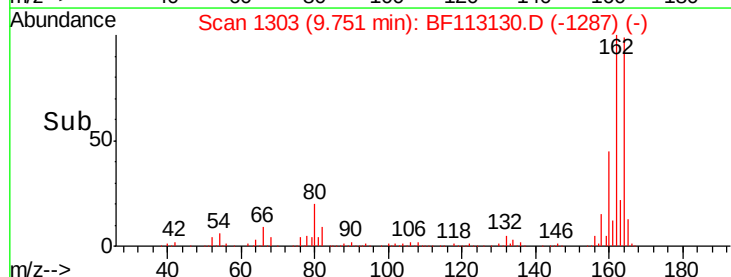
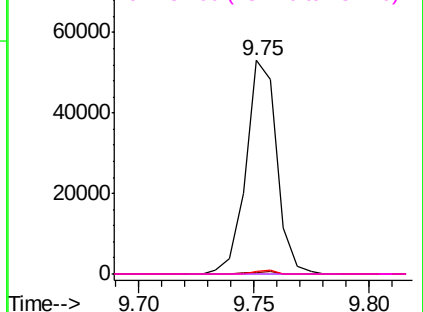


#57  
2,4-Dinitrotoluene  
Concen: 6.664 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.21 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

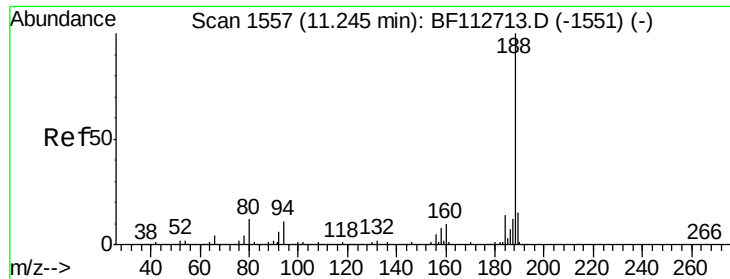
Tgt Ion:165 Resp: 49395  
Ion Ratio Lower Upper  
165 100  
63 0.9 42.2 63.2#  
89 1.2 66.2 99.4#  
182 0.0 1.8 2.6#



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



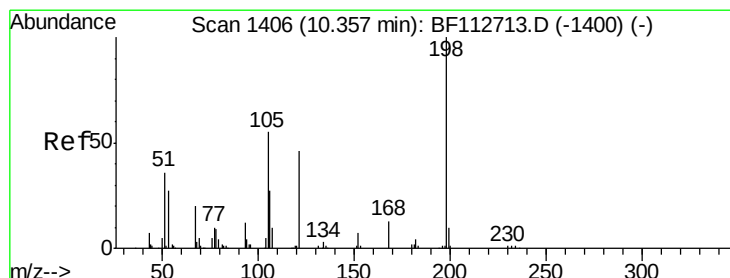
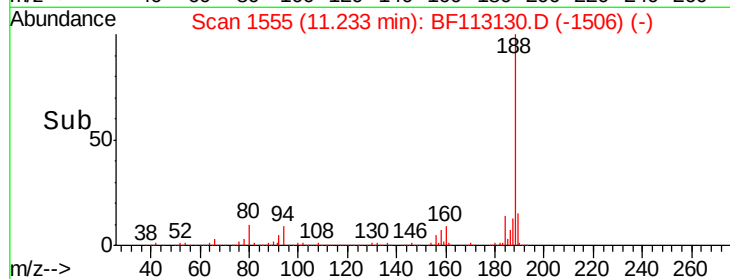
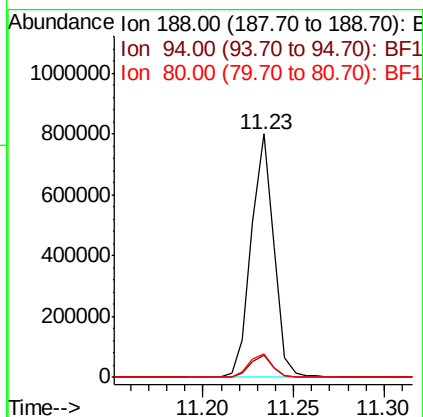
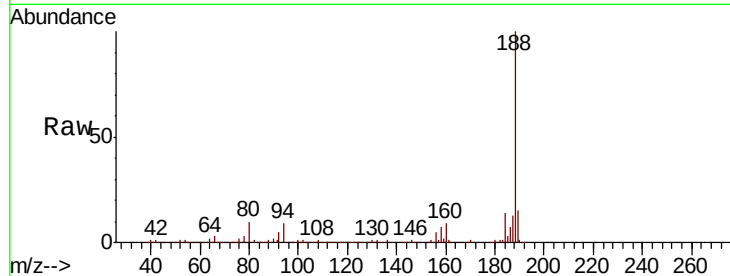




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.01 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

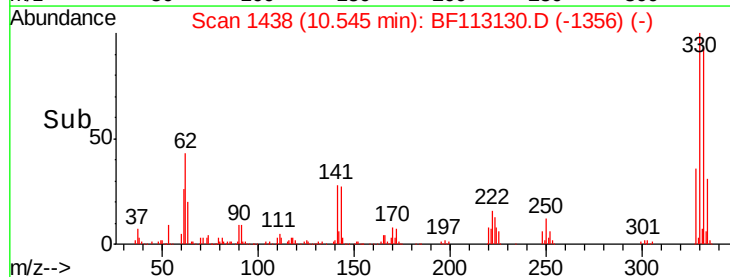
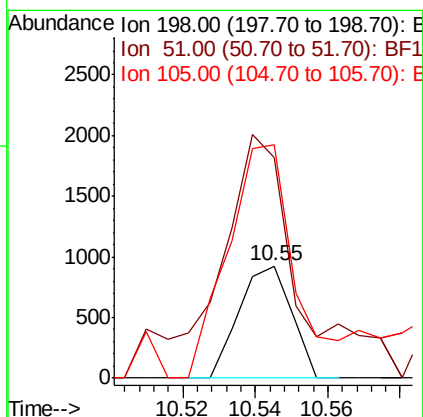
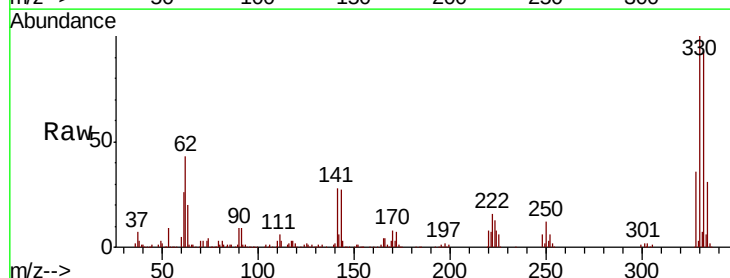
Instrument :  
BNA\_F  
ClientSampleId :  
WC4

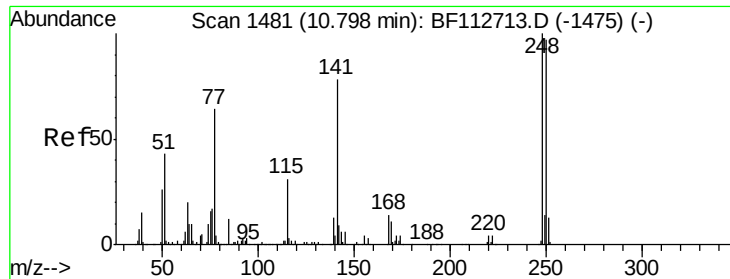
Tgt Ion:188 Resp: 697138  
Ion Ratio Lower Upper  
188 100  
94 9.2 9.0 13.4  
80 9.8 9.2 13.8



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.906 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.18 min  
Lab File: BF113130.D  
Acq: 19 Mar 2019 17:23

Tgt Ion:198 Resp: 928  
Ion Ratio Lower Upper  
198 100  
51 197.4 43.8 83.8#  
105 208.7 36.5 76.5#

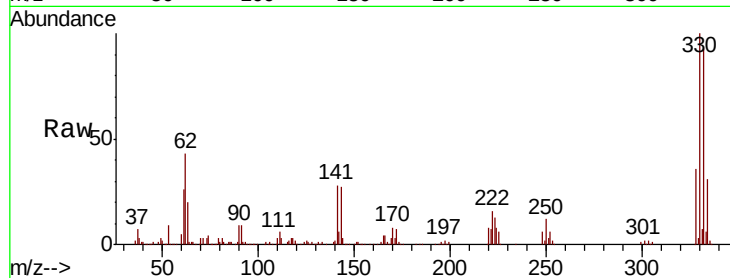




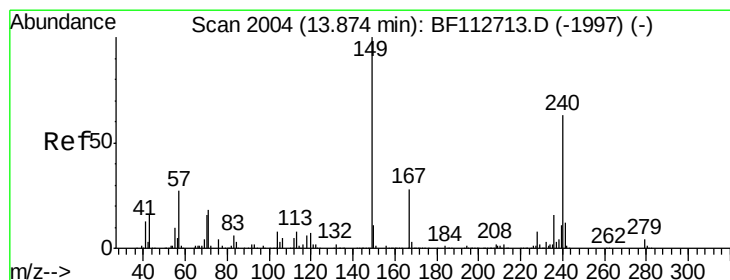
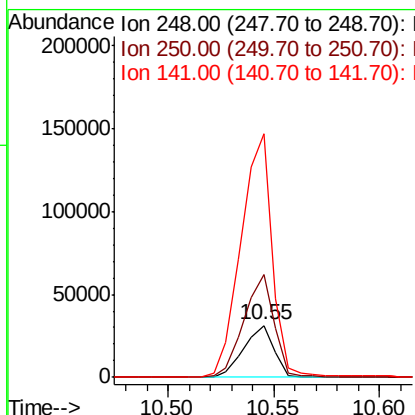
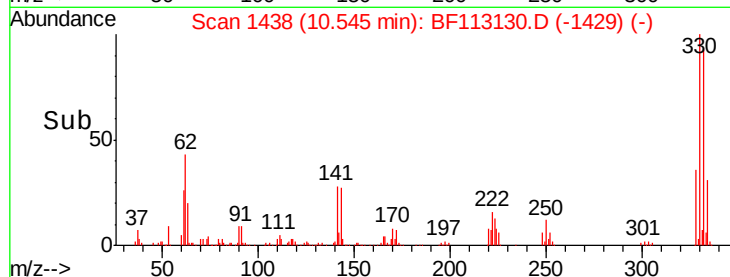
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.279 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.25 min  
 Lab File: BF113130.D  
 Acq: 19 Mar 2019 17:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC4

Tgt Ion:248 Resp: 31422  
 Ion Ratio Lower Upper  
 248 100  
 250 198.0 77.5 116.3#  
 141 470.6 62.4 93.6#

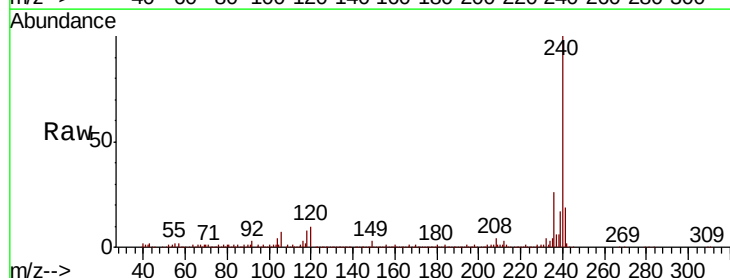


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

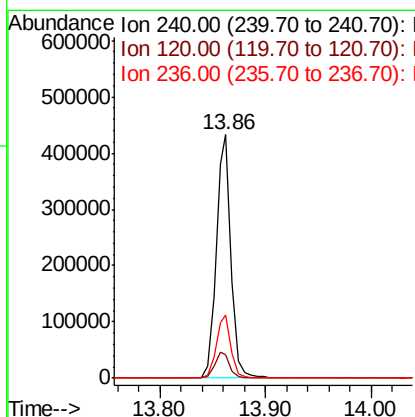
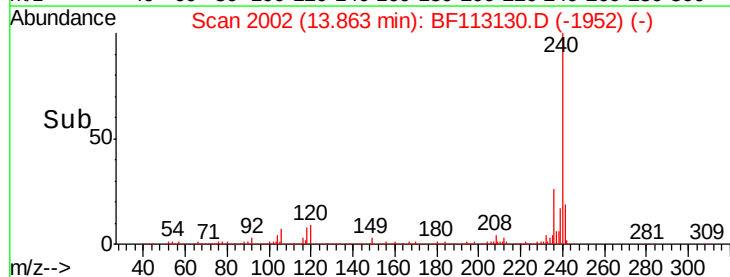


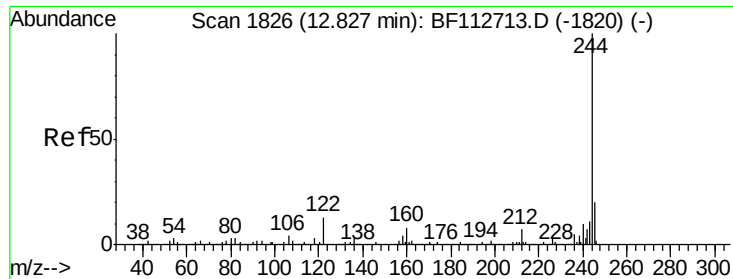
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.86 min Scan# 2002  
 Delta R.T. -0.01 min  
 Lab File: BF113130.D  
 Acq: 19 Mar 2019 17:23

Tgt Ion:240 Resp: 425534  
 Ion Ratio Lower Upper  
 240 100  
 120 9.6 8.9 13.3  
 236 25.9 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





#79

Terphenyl-d14

Concen: 78.277 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

Instrument :

BNA\_F

ClientSampleId :

WC4

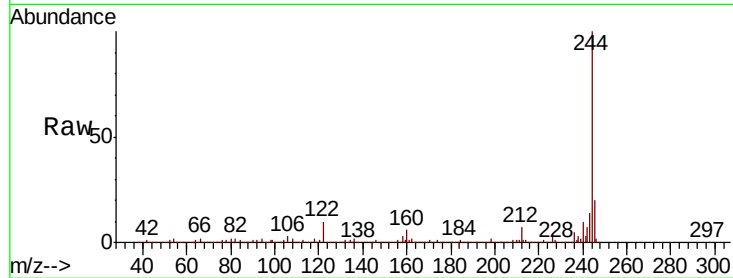
Tgt Ion:244 Resp: 1718319

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

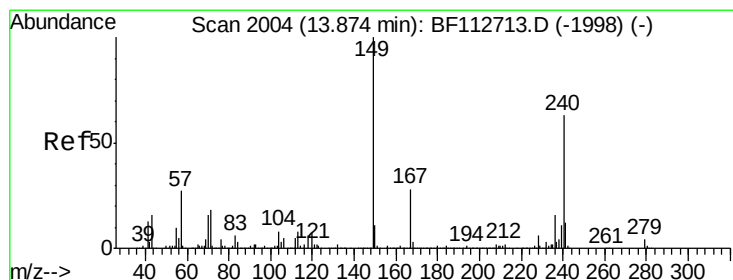
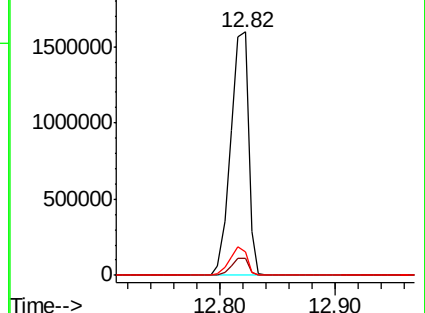
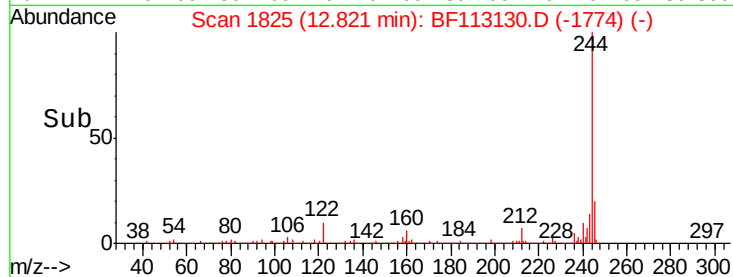
122 9.6 10.5 15.7#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.105 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113130.D

Acq: 19 Mar 2019 17:23

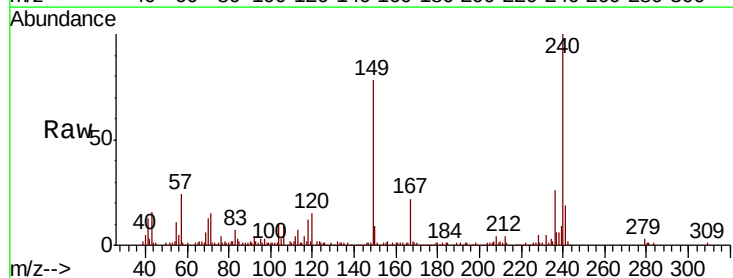
Tgt Ion:149 Resp: 94811

Ion Ratio Lower Upper

149 100

167 28.0 22.4 33.6

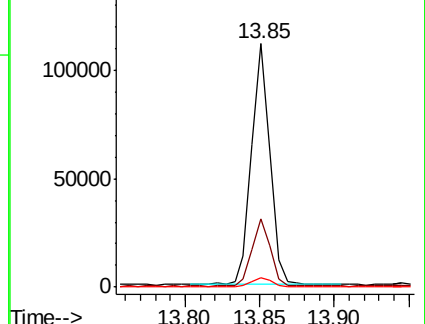
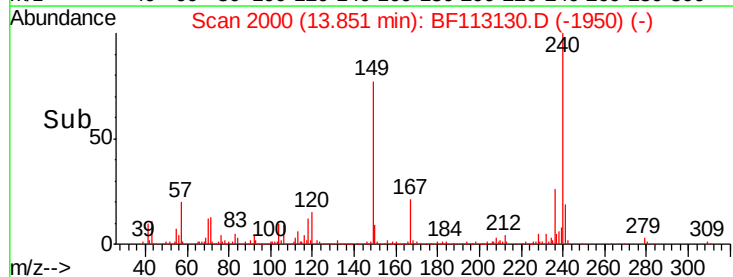
279 4.0 3.3 4.9

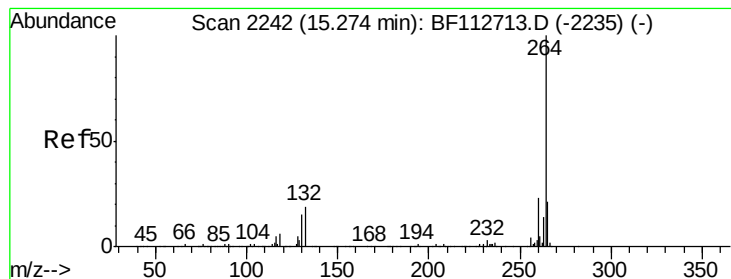


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113130.D

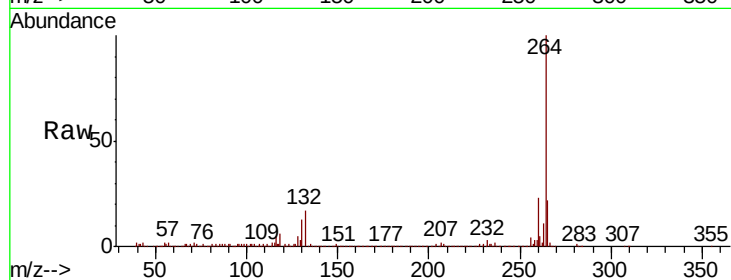
Acq: 19 Mar 2019 17:23

Instrument :

BNA\_F

ClientSampleId :

WC4



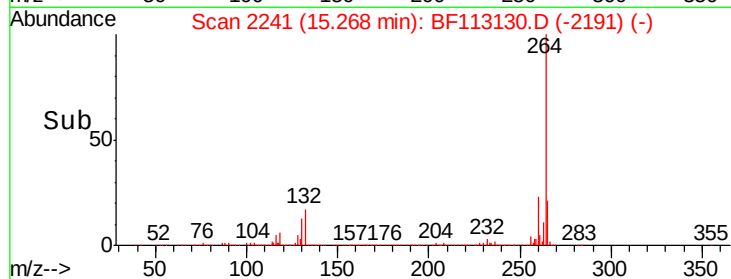
Tgt Ion: 264 Resp: 446466

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.6 17.2 25.8



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

