

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\  
 Data File : BF119718.D  
 Acq On : 3 Apr 2020 14:47  
 Operator : MA/SJ  
 Sample : L2104-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OIL-WATER-SEPARATOR

Quant Time: Apr 03 15:23:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 01 11:59:45 2020  
 Response via : Initial Calibration

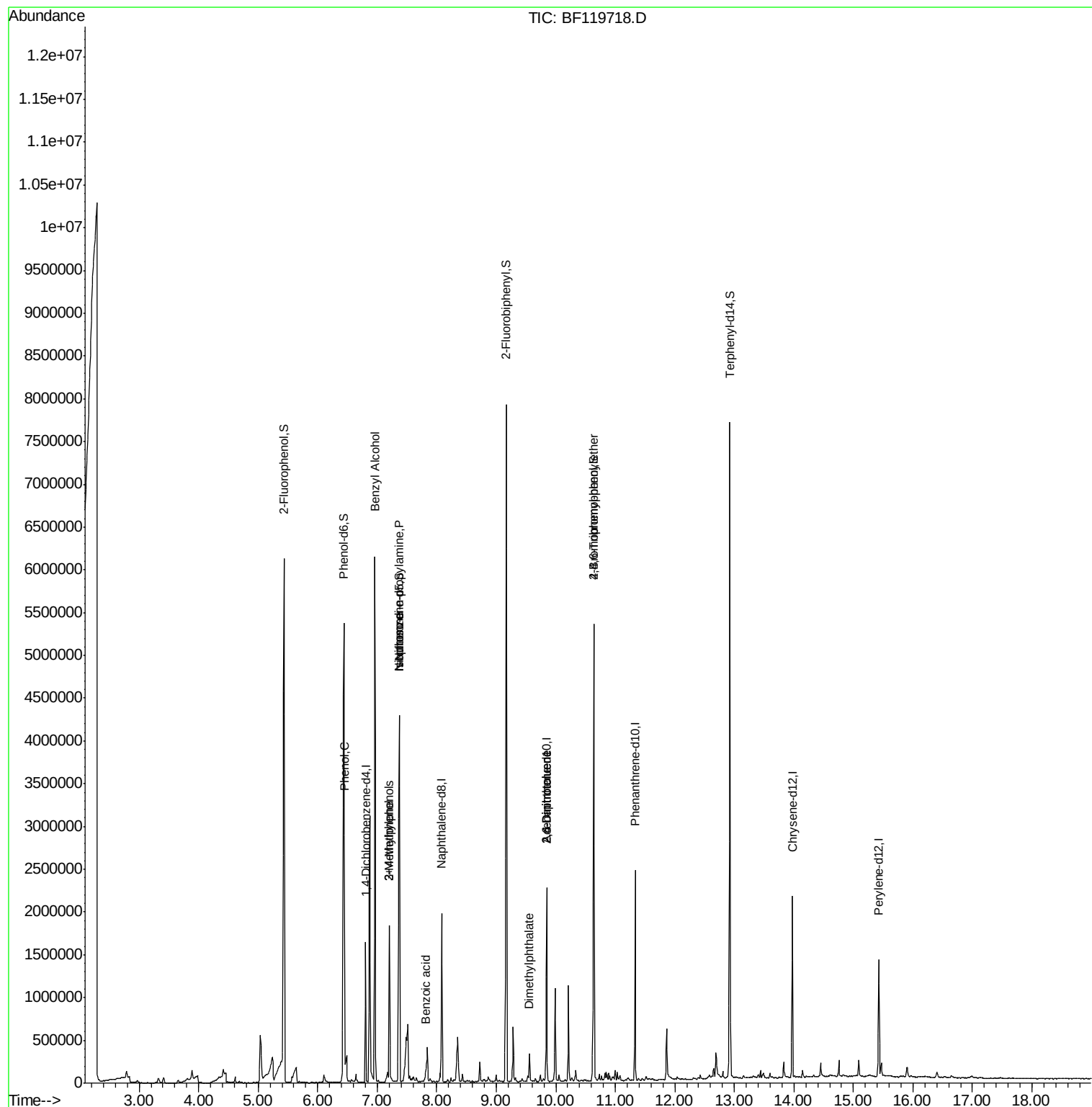
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 226030   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.09  | 136  | 860379   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.85  | 164  | 445575   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.33 | 188  | 850730   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.97 | 240  | 676556   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.43 | 264  | 620072   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 1849397  | 130.25 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.44  | 99   | 2174453  | 119.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 1614793  | 102.00 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 741982   | 161.41 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 2887655  | 96.01  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.93 | 244  | 3268871  | 94.66  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.45  | 94   | 128199   | 6.624  | ng    | 90       |
| 15) Benzyl Alcohol             | 6.96  | 79   | 27478    | 2.014  | ng    | # 54     |
| 17) 2-Methylphenol             | 7.21  | 107  | 490416   | 35.893 | ng    | # 68     |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 214917   | 19.658 | ng    | # 73     |
| 20) 3+4-Methylphenols          | 7.21  | 107  | 490416   | 29.287 | ng    | # 74     |
| 25) Isophorone                 | 7.37  | 82   | 1612212  | 50.203 | ng    | # 65     |
| 32) Benzoic acid               | 7.82  | 122  | 28273    | 3.191  | ng    | 96       |
| 50) Dimethylphthalate          | 9.56  | 163  | 128723   | 4.067  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 58188    | 8.577  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 58188    | 6.809  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 45241    | 4.669  | ng    | # 1      |

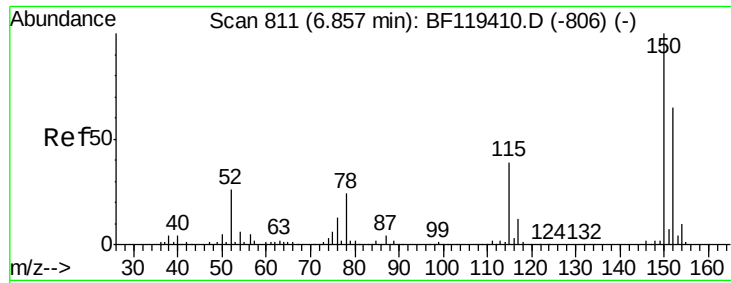
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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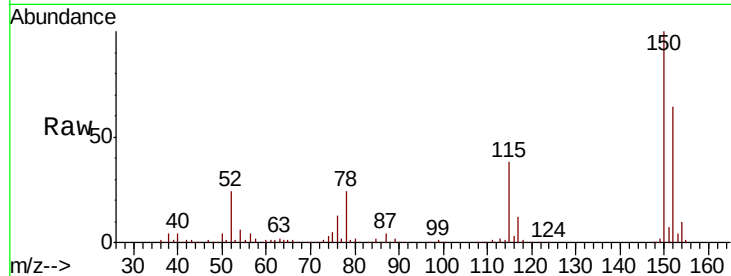


#1

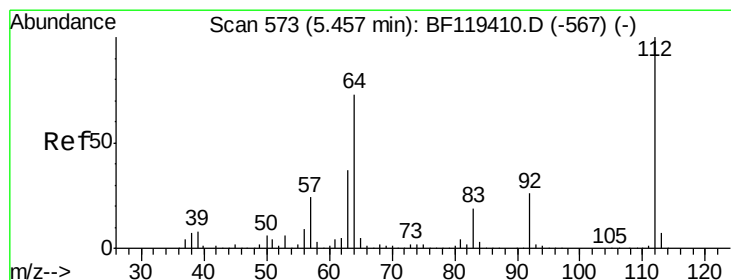
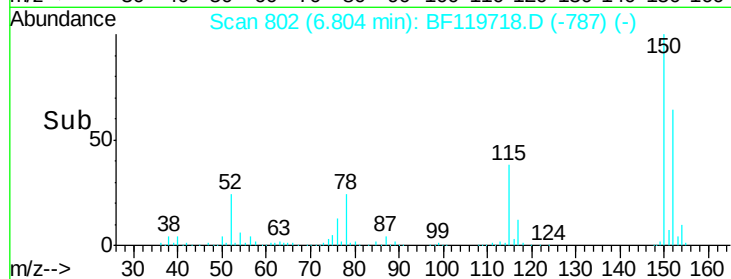
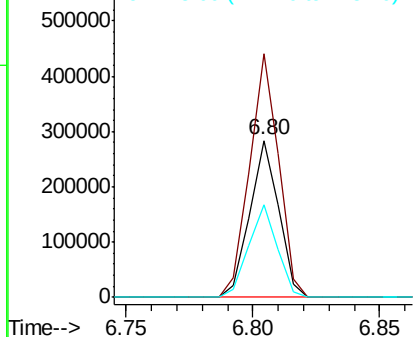
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

Tot Ion:152 Resp: 226030  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.5 186.7  
115 59.2 49.6 74.4



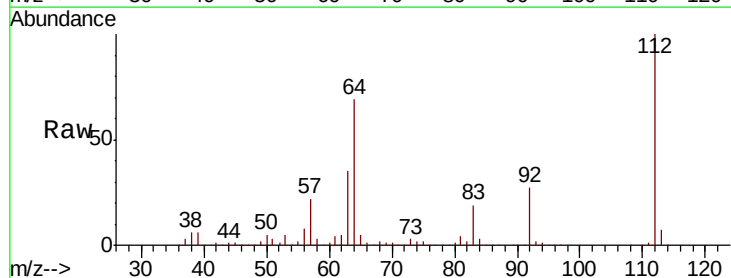
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



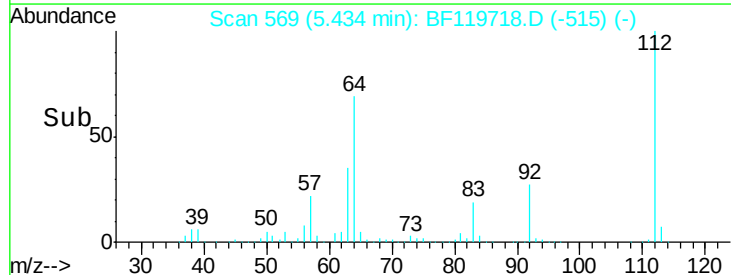
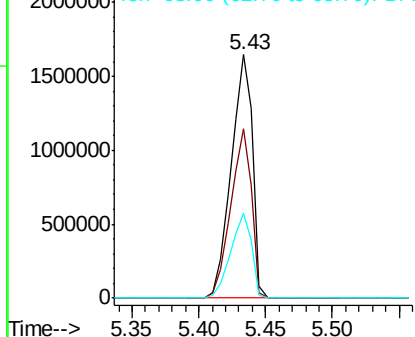
#5

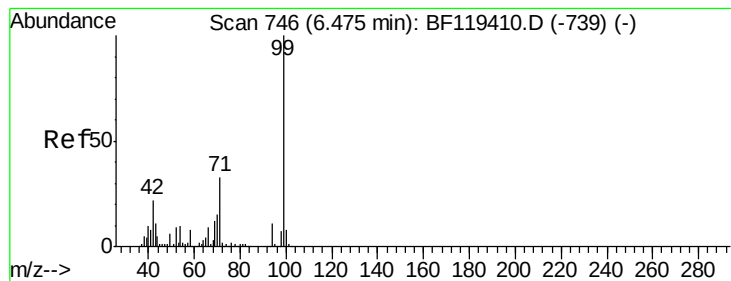
2-Fluorophenol  
Concen: 130.251 ng  
RT: 5.43 min Scan# 569  
Delta R.T. 0.02 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:112 Resp: 1849397  
Ion Ratio Lower Upper  
112 100  
64 69.5 56.7 85.1  
63 35.1 29.5 44.3



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: 119.885 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Instrument :

BNA\_F

ClientSampleId :

OIL-WATER-SEPARATOR

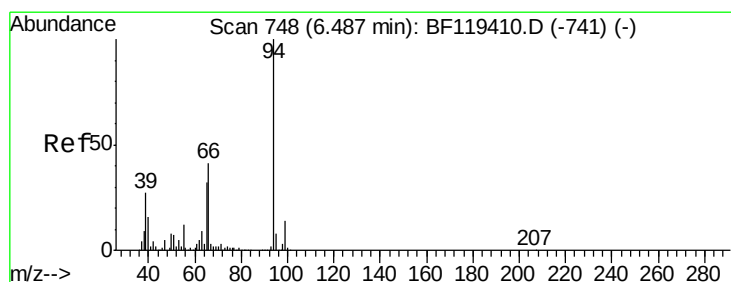
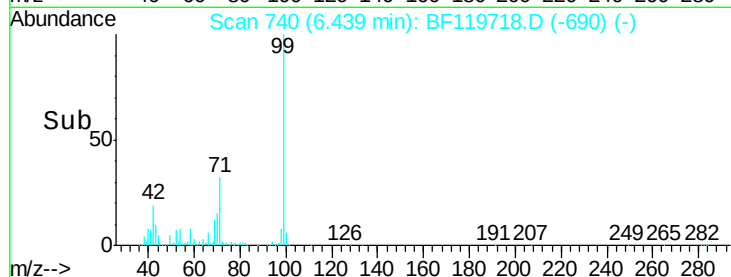
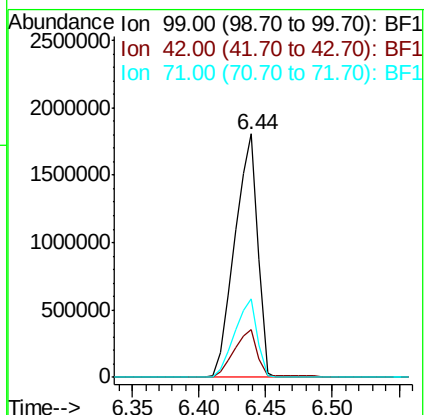
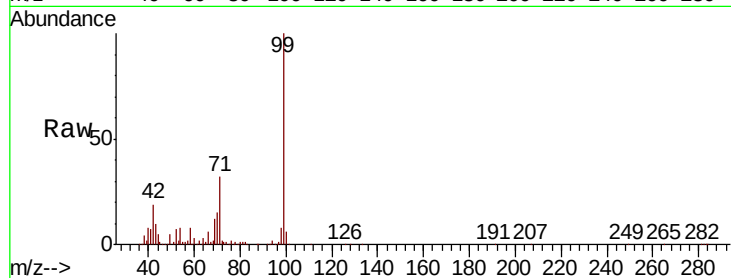
Tot Ion: 99 Resp: 2174453

Ion Ratio Lower Upper

99 100

42 19.4 16.6 24.8

71 32.1 26.4 39.6



#10

Phenol

Concen: 6.624 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

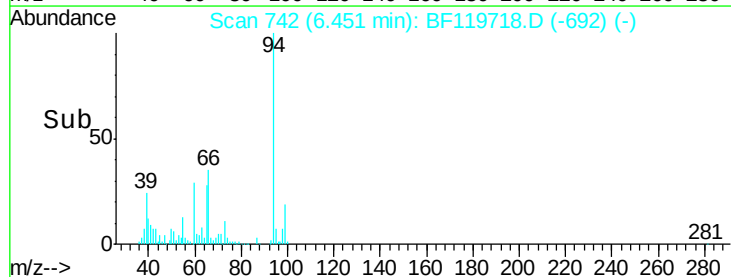
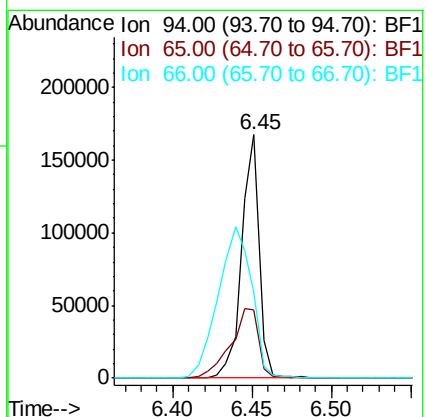
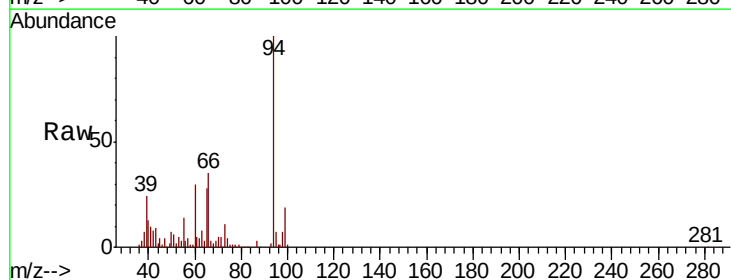
Tgt Ion: 94 Resp: 128199

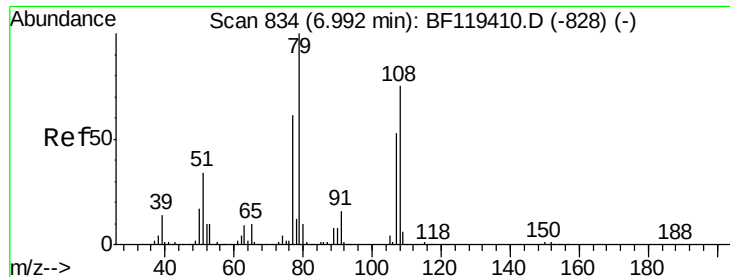
Ion Ratio Lower Upper

94 100

65 28.0 13.2 53.2

66 35.2 22.3 62.3





#15

Benzyl Alcohol

Concen: 2.014 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Instrument :

BNA\_F

ClientSampleId :

OIL-WATER-SEPARATOR

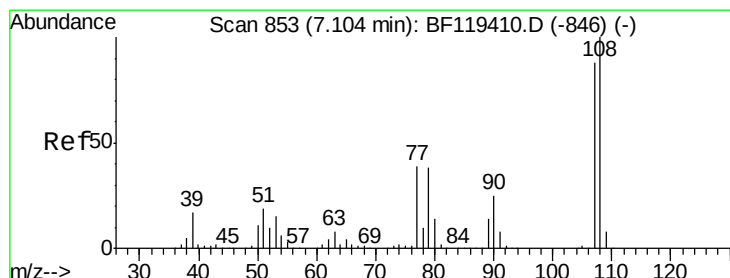
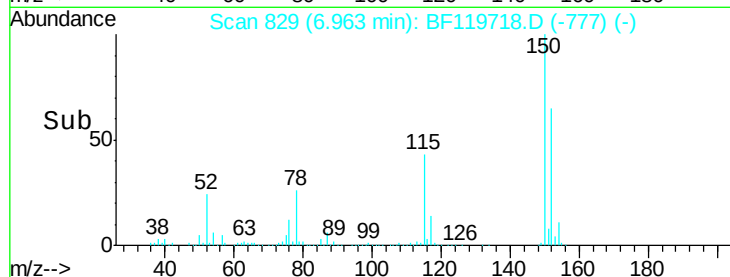
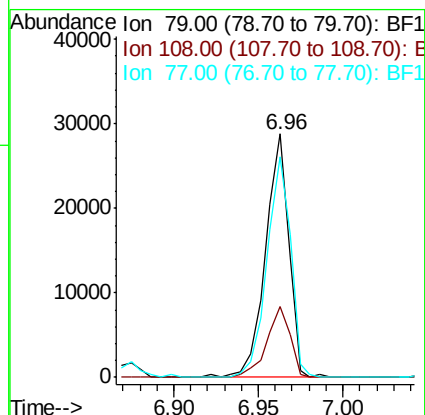
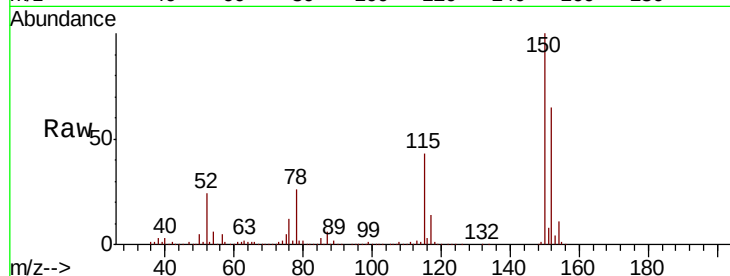
Tot Ion: 79 Resp: 27478

Ion Ratio Lower Upper

79 100

108 29.0 60.6 90.8#

77 90.4 50.2 75.2#



#17

2-Methylphenol

Concen: 35.893 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.14 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Tgt Ion: 107 Resp: 490416

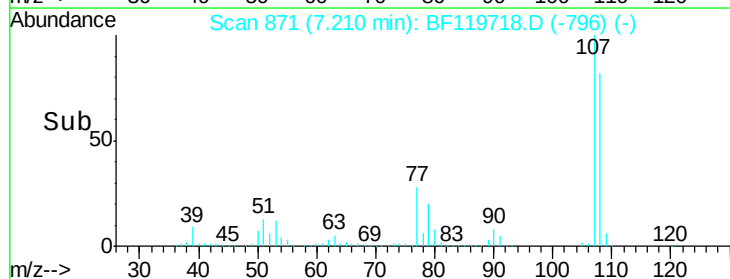
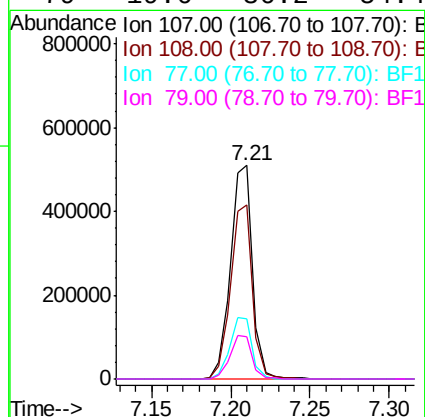
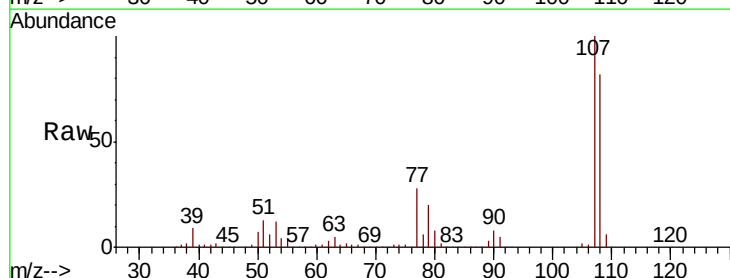
Ion Ratio Lower Upper

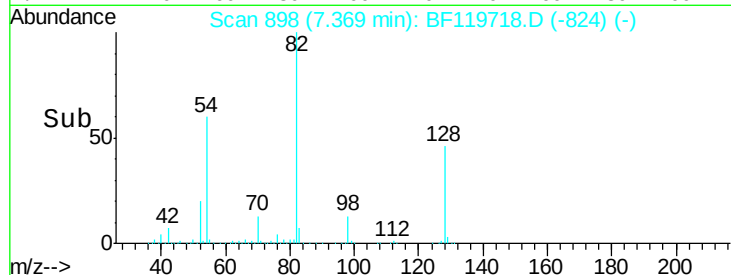
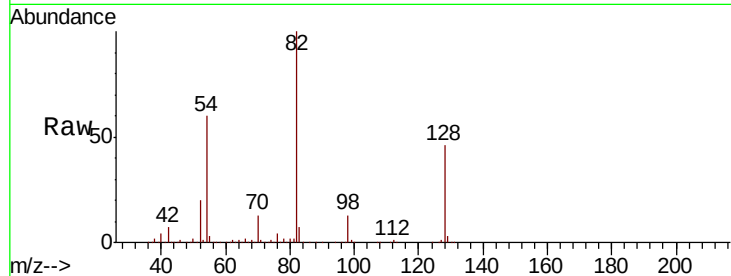
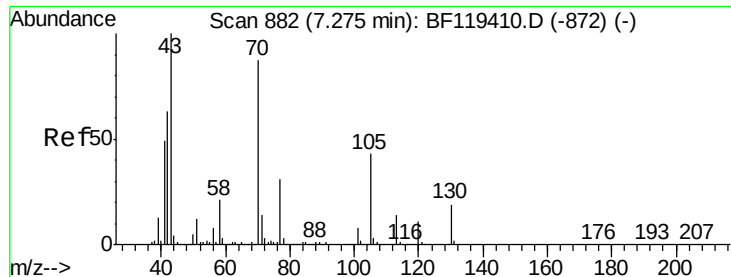
107 100

108 81.6 92.2 138.4#

77 27.9 36.6 54.8#

79 19.6 36.2 54.4#

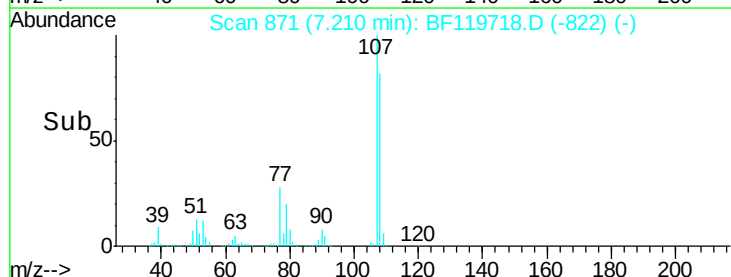
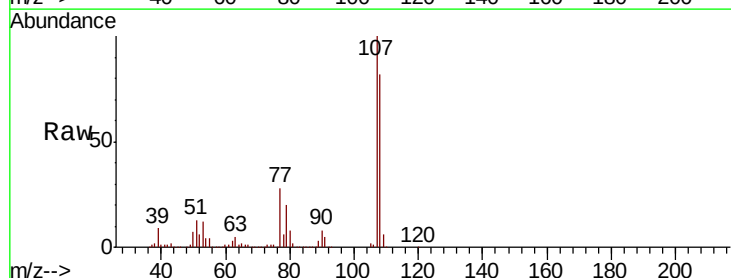
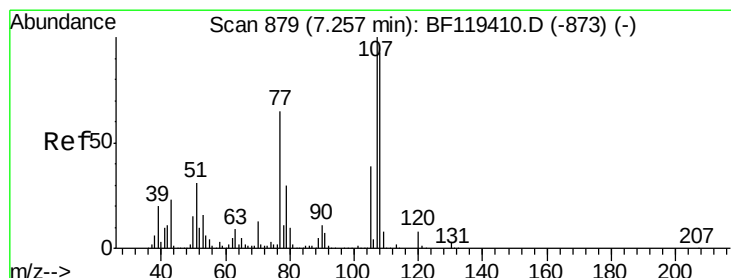
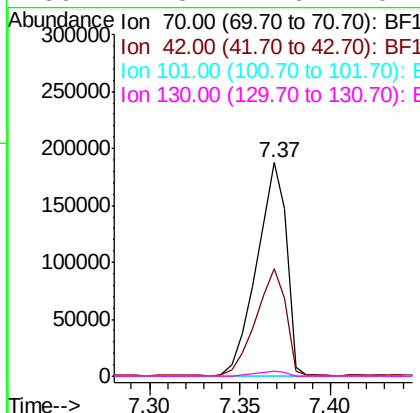




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.658 ng  
RT: 7.37 min Scan# 898  
Delta R.T. 0.14 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

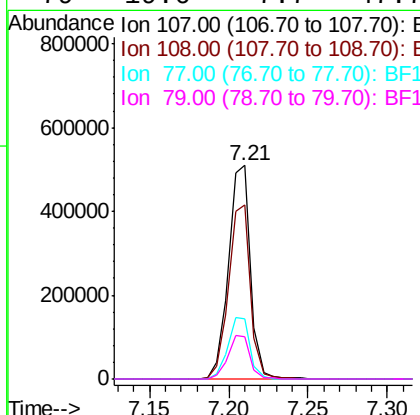
Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

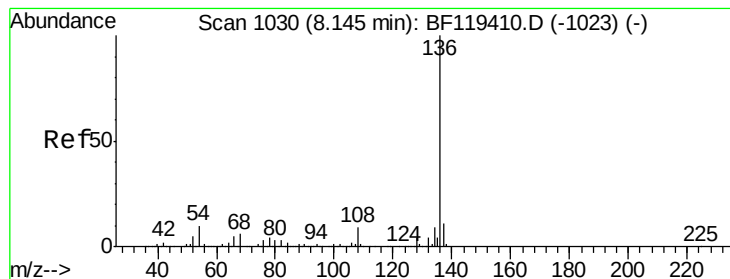
Tot Ion: 70 Resp: 214917  
Ion Ratio Lower Upper  
70 100  
42 50.5 54.5 81.7#  
101 0.0 7.6 11.4#  
130 2.3 17.6 26.4#



#20  
3+4-Methylphenols  
Concen: 29.287 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:107 Resp: 490416  
Ion Ratio Lower Upper  
107 100  
108 81.6 67.9 107.9  
77 27.9 52.9 92.9#  
79 19.6 7.7 47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Instrument :

BNA\_F

ClientSampleId :

OIL-WATER-SEPARATOR

Tot Ion:136 Resp: 860379

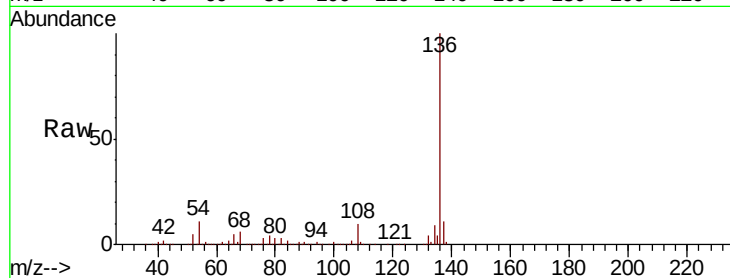
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.7 9.1 13.7

68 5.8 4.6 6.8

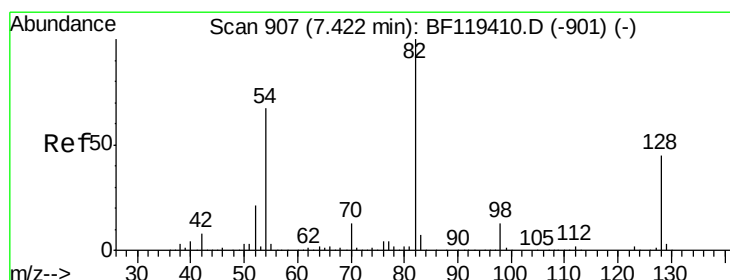
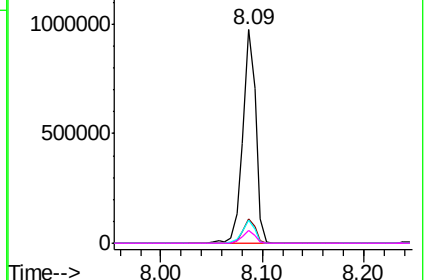
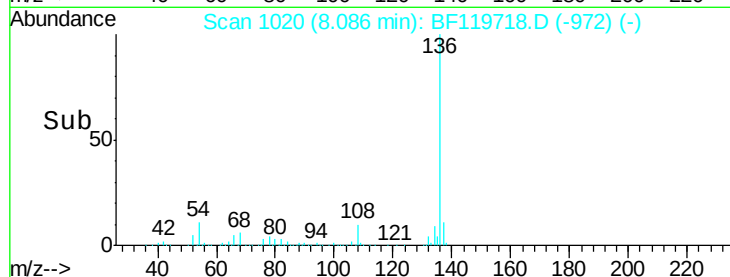


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.002 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

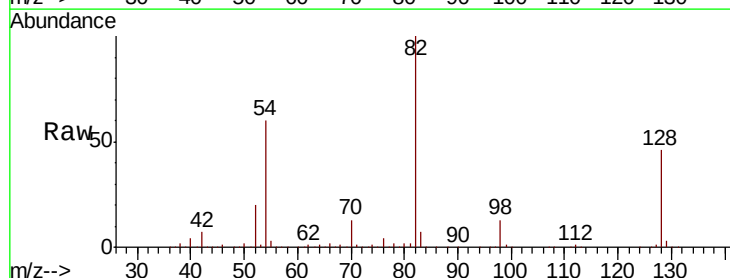
Tgt Ion: 82 Resp: 1614793

Ion Ratio Lower Upper

82 100

128 46.5 36.3 54.5

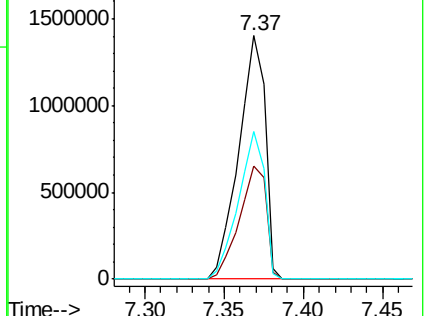
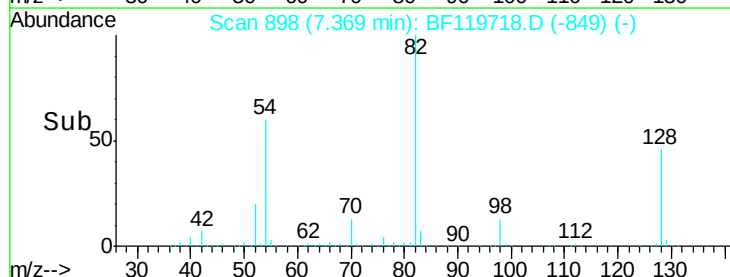
54 60.5 50.6 75.8

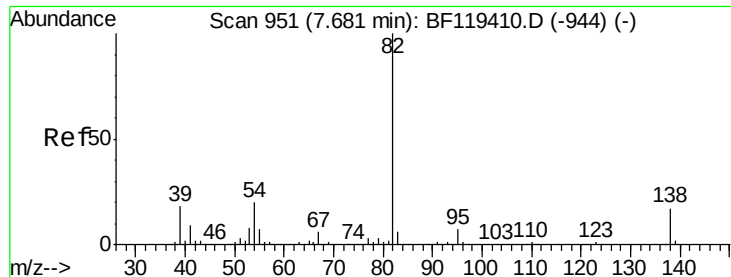


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.203 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Instrument :

BNA\_F

ClientSampleId :

OIL-WATER-SEPARATOR

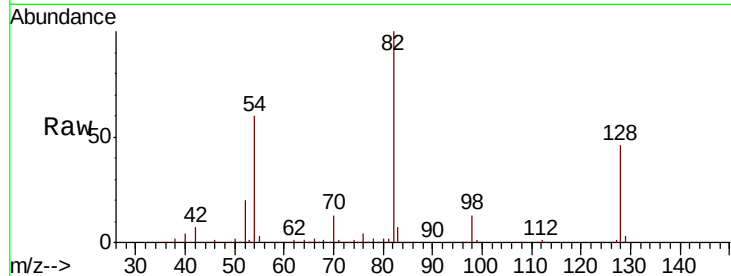
Tot Ion: 82 Resp: 1612212

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

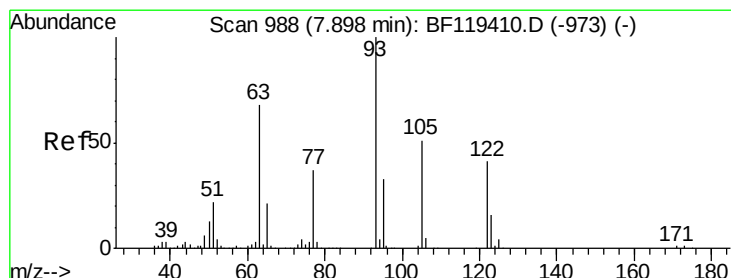
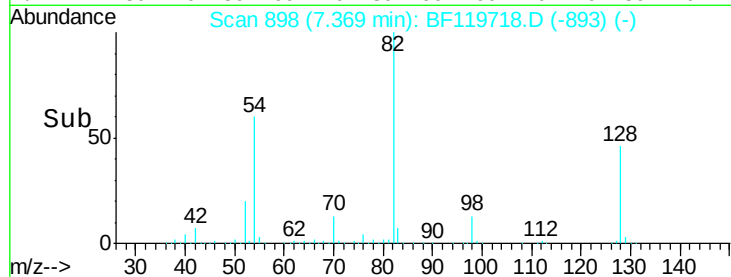
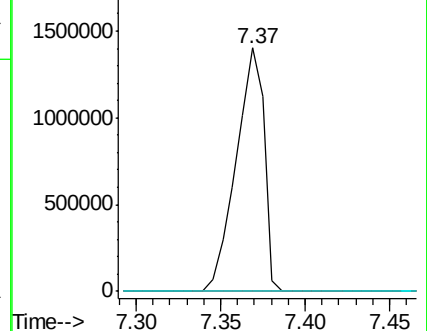
138 0.0 14.6 21.8#



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



#32

Benzoic acid

Concen: 3.191 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.06 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

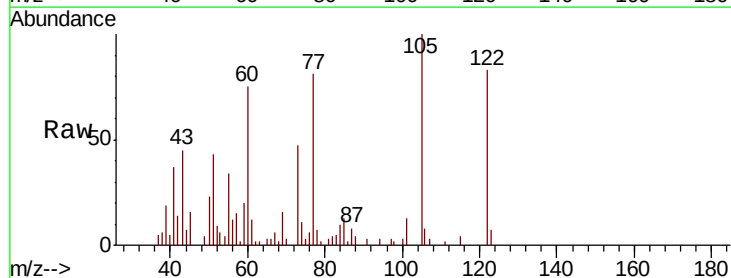
Tgt Ion: 122 Resp: 28273

Ion Ratio Lower Upper

122 100

105 120.4 104.9 144.9

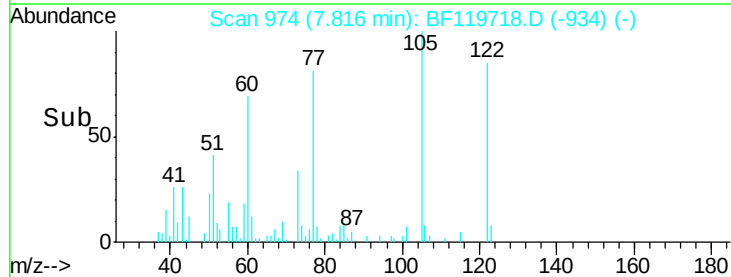
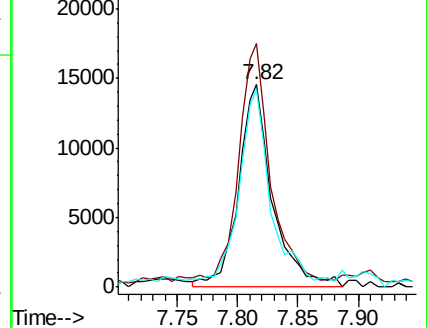
77 98.0 74.4 114.4



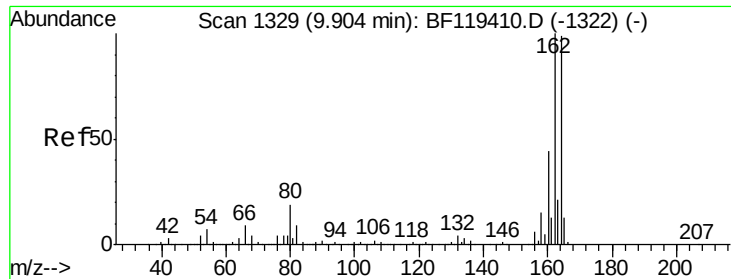
Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



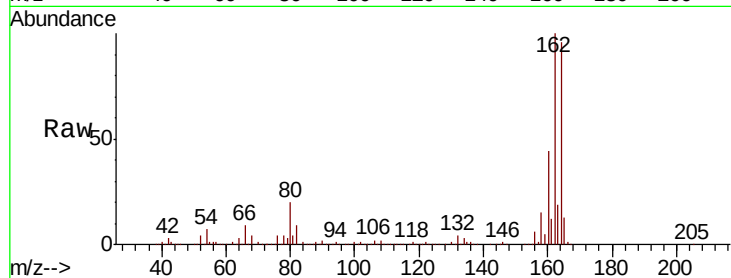




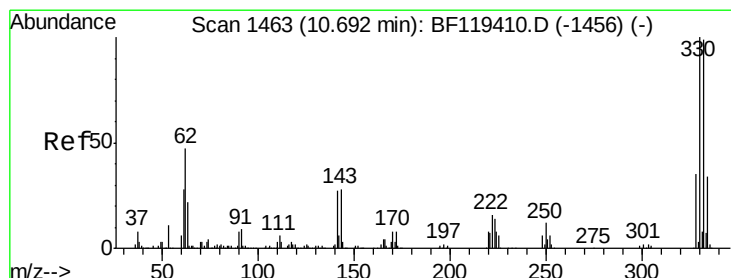
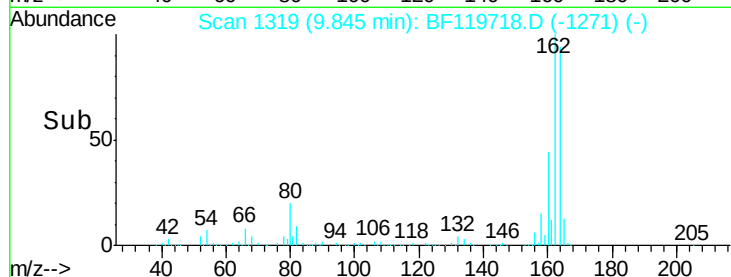
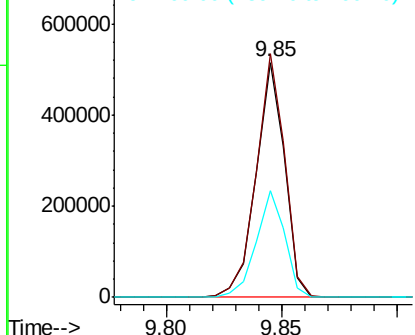
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.02 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

Tot Ion:164 Resp: 445575  
Ion Ratio Lower Upper  
164 100  
162 103.7 80.6 121.0  
160 45.5 35.7 53.5

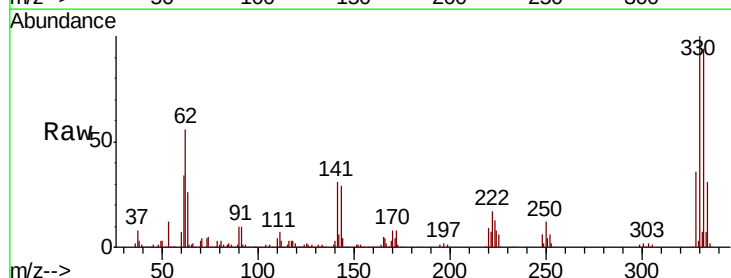


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

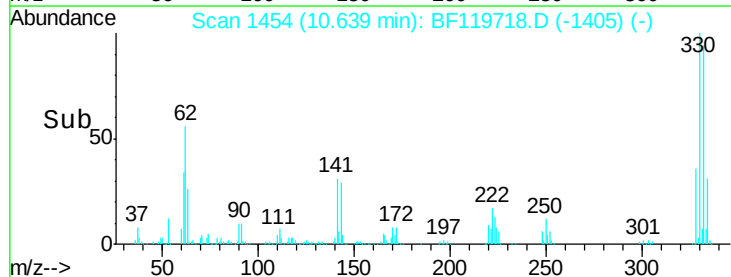
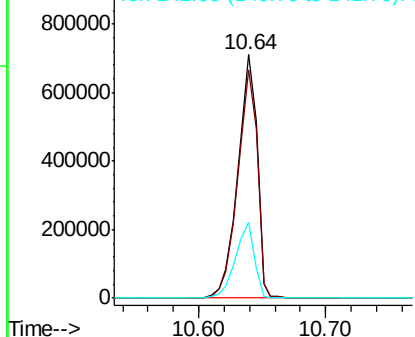


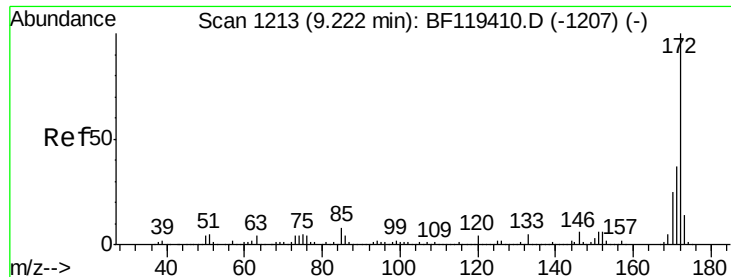
#42  
2,4,6-Tribromophenol  
Concen: 161.411 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:330 Resp: 741982  
Ion Ratio Lower Upper  
330 100  
332 95.3 75.7 113.5  
141 30.4 25.4 38.0



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

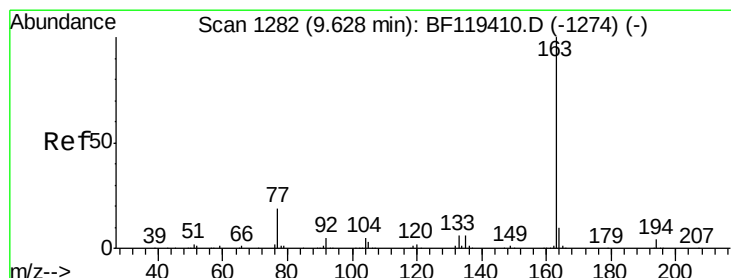
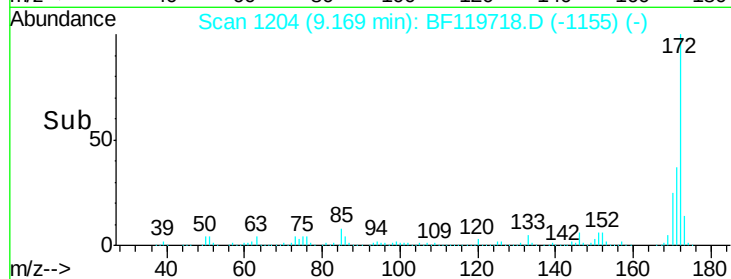
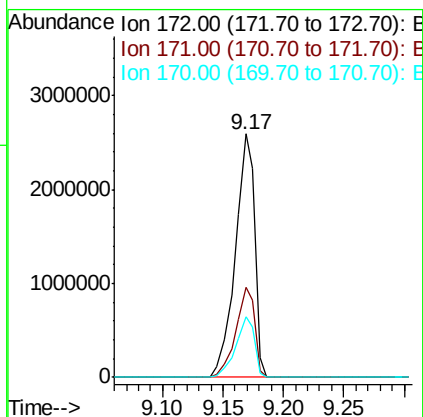
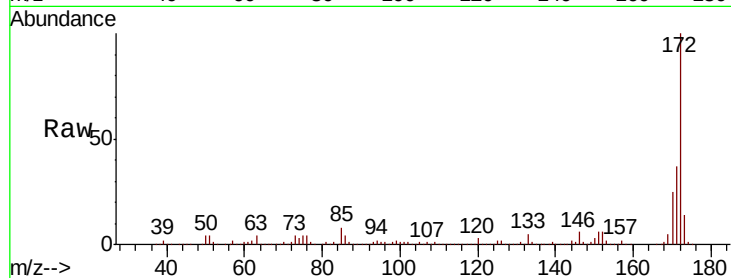




#45  
2-Fluorobiphenyl  
Concen: 96.010 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

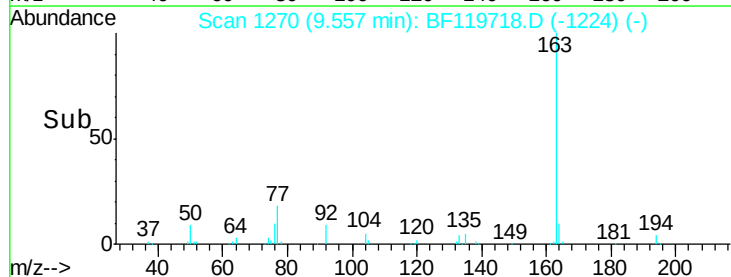
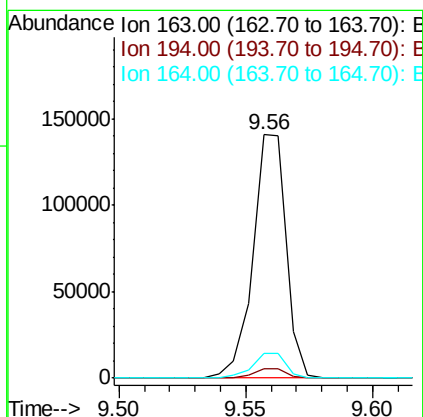
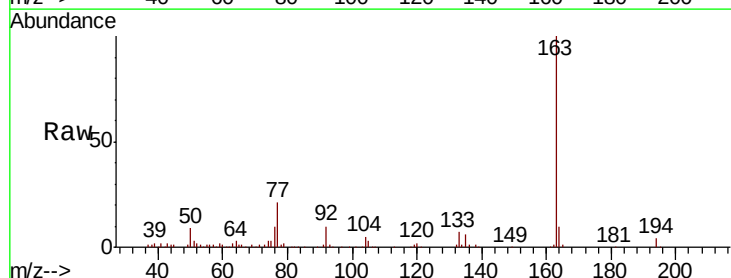
Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

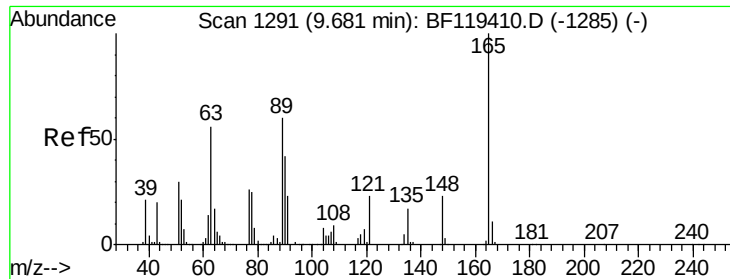
Tot Ion:172 Resp: 2887655  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.6 44.4  
170 24.9 20.2 30.2



#50  
Dimethylphthalate  
Concen: 4.067 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.03 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:163 Resp: 128723  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.1 4.7  
164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 8.577 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Instrument :

BNA\_F

ClientSampleId :

OIL-WATER-SEPARATOR

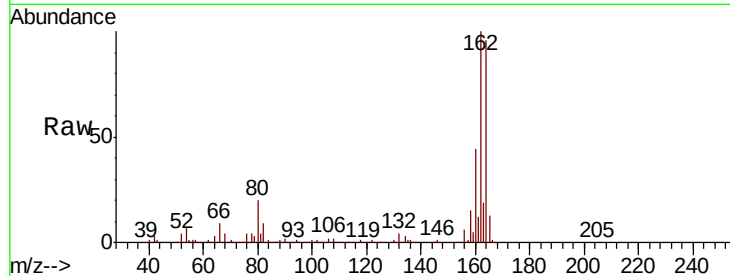
Tot Ion:165 Resp: 58188

Ion Ratio Lower Upper

165 100

63 1.5 45.0 67.4#

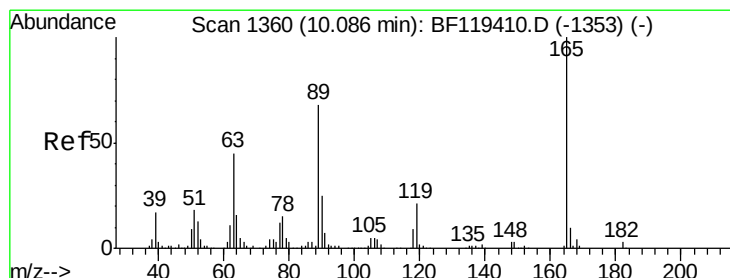
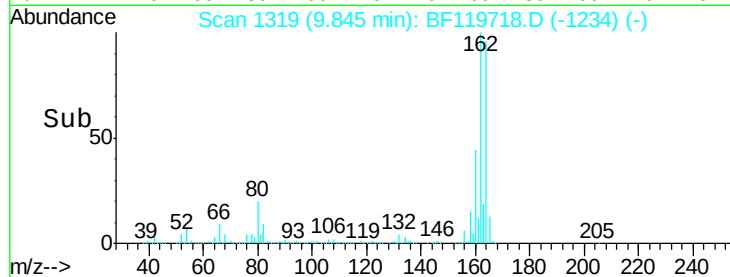
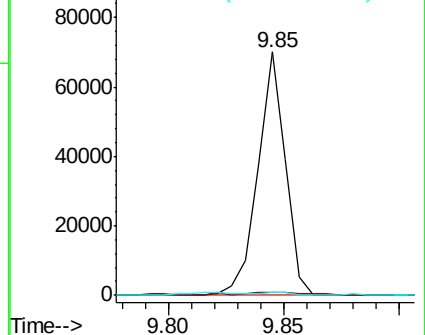
89 1.2 41.5 62.3#



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



#57

2,4-Dinitrotoluene

Concen: 6.809 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119718.D

Acq: 3 Apr 2020 14:47

Tgt Ion:165 Resp: 58188

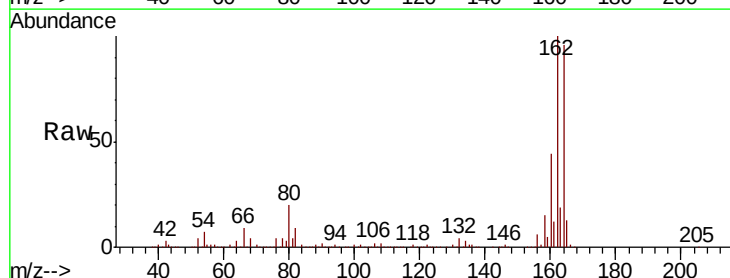
Ion Ratio Lower Upper

165 100

63 1.5 42.6 64.0#

89 1.2 61.0 91.4#

182 0.0 2.2 3.2#

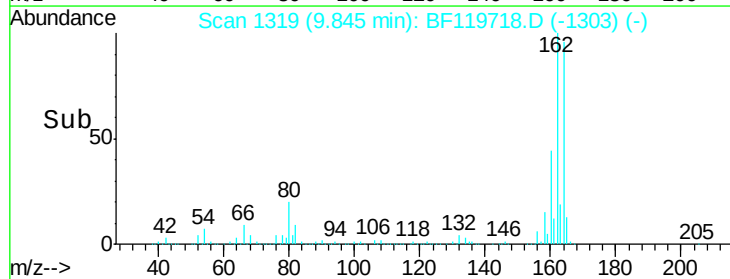
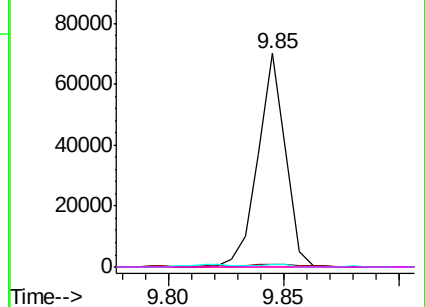


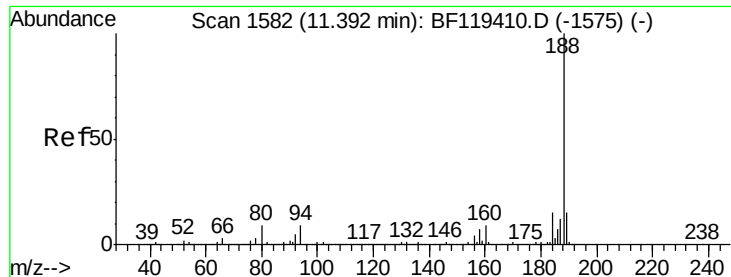
Abundance Ion 165.00 (164.70 to 165.70): E

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

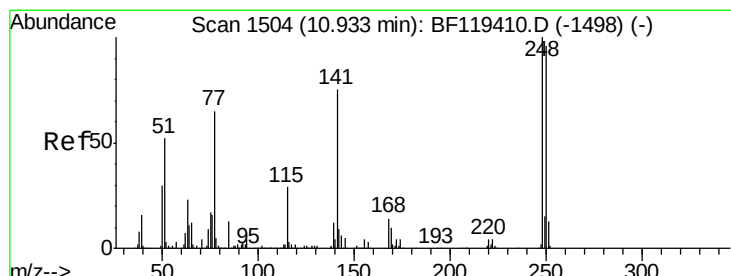
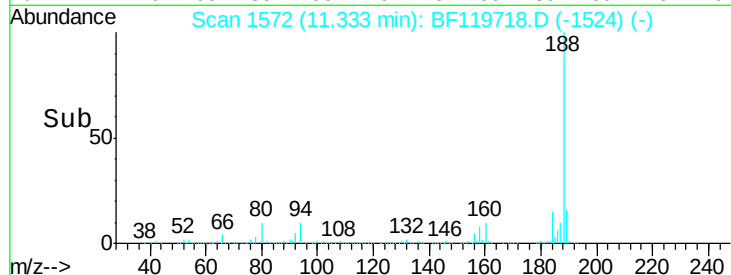
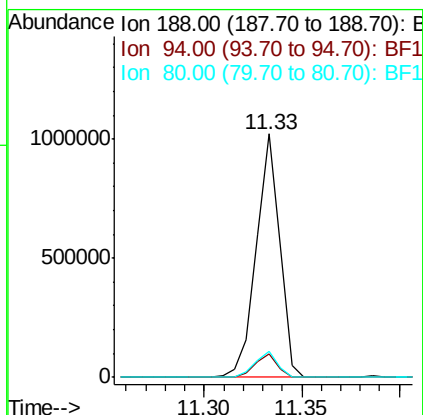
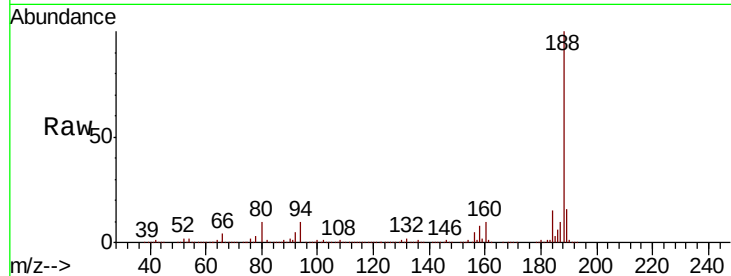




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.02 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

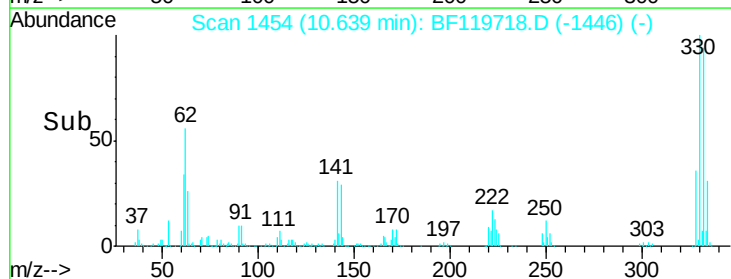
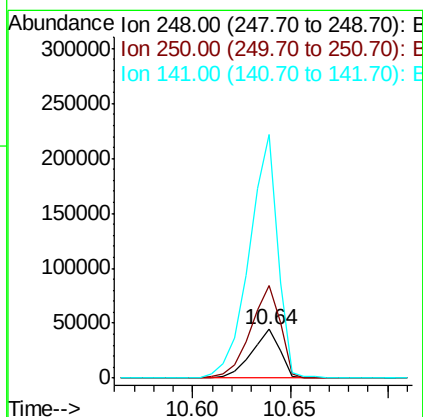
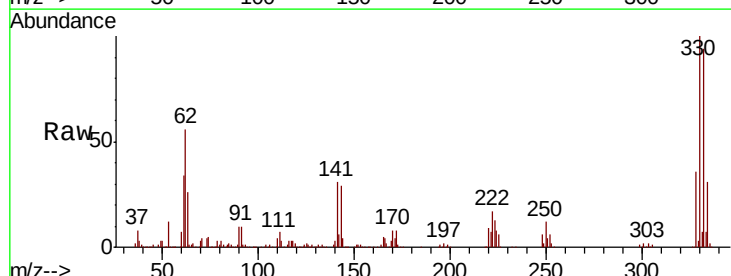
Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

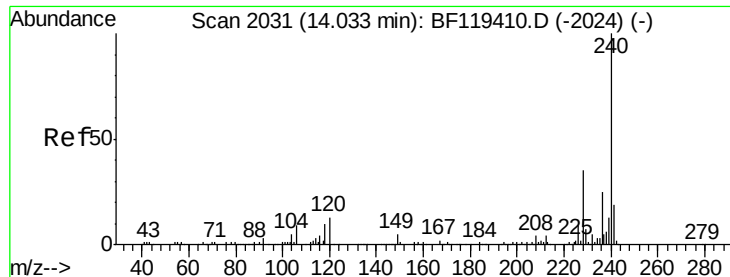
Tot Ion:188 Resp: 850730  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.5 11.3  
80 10.4 9.0 13.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.669 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.25 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:248 Resp: 45241  
Ion Ratio Lower Upper  
248 100  
250 188.4 77.3 115.9#  
141 497.6 58.6 87.8#

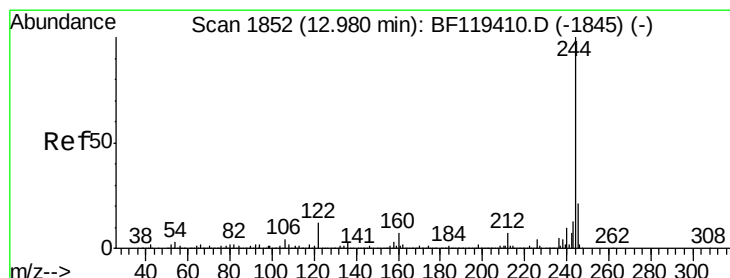
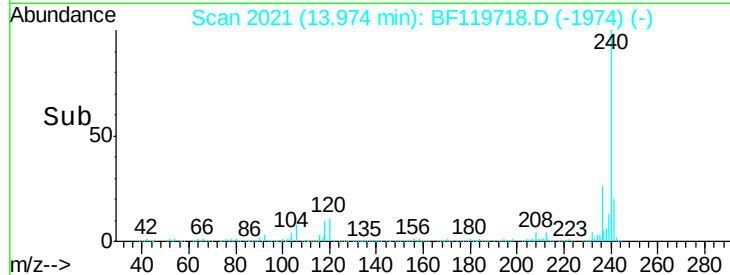
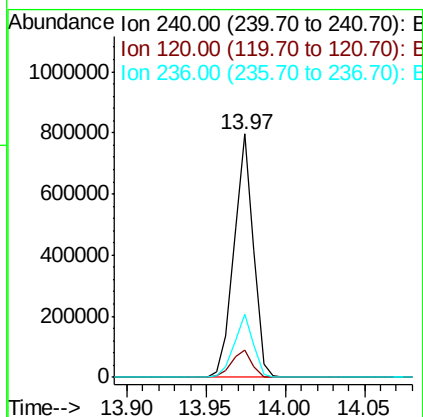
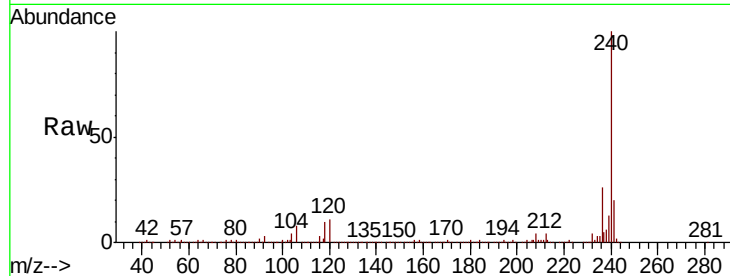




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.02 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

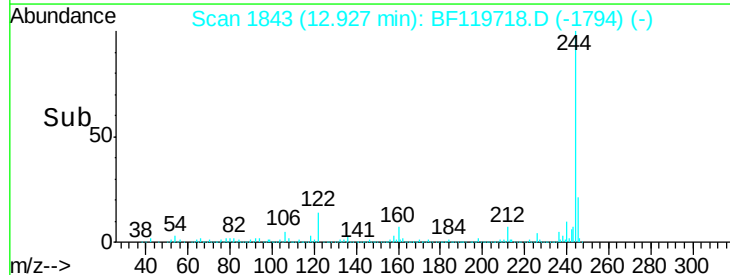
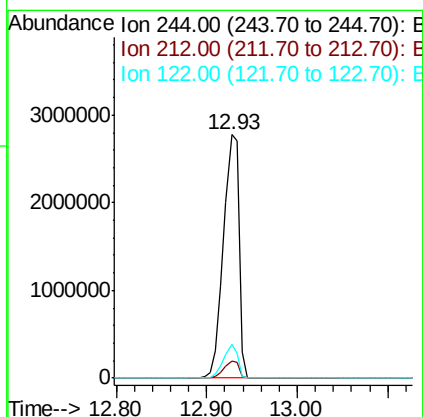
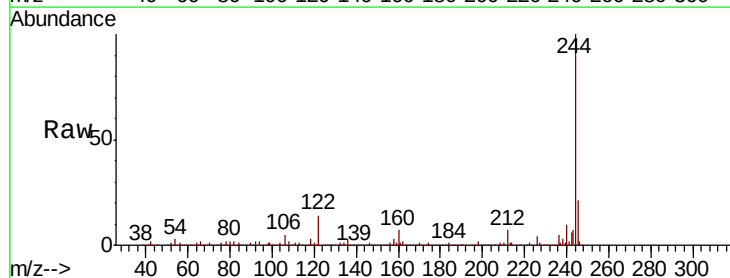
Instrument :  
BNA\_F  
ClientSampleId :  
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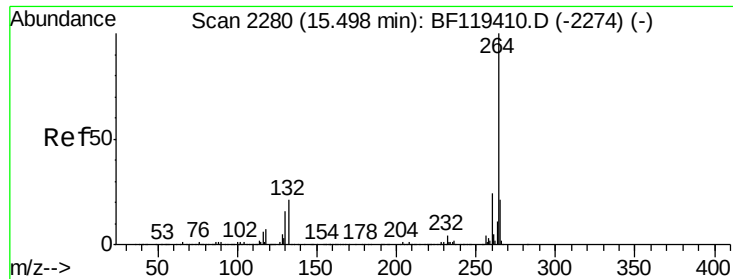
Tot Ion:240 Resp: 676556  
Ion Ratio Lower Upper  
240 100  
120 11.4 10.6 15.8  
236 25.7 20.2 30.2



#79  
Terphenyl-d14  
Concen: 94.662 ng  
RT: 12.93 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Tgt Ion:244 Resp: 3268871  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 13.6 10.3 15.5





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. -0.02 min  
Lab File: BF119718.D  
Acq: 3 Apr 2020 14:47

Instrument :  
BNA\_F  
ClientSampleId :  
OIL-WATER-SEPARATOR

Tot Ion: 264 Resp: 620072  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 18.7  | 28.1  |
| 265 | 22.1  | 17.7  | 26.5  |

