

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044950.D
 Acq On : 25 Mar 2020 5:18
 Operator : CG/JU
 Sample : L2006-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATOR

Quant Time: Mar 25 08:09:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

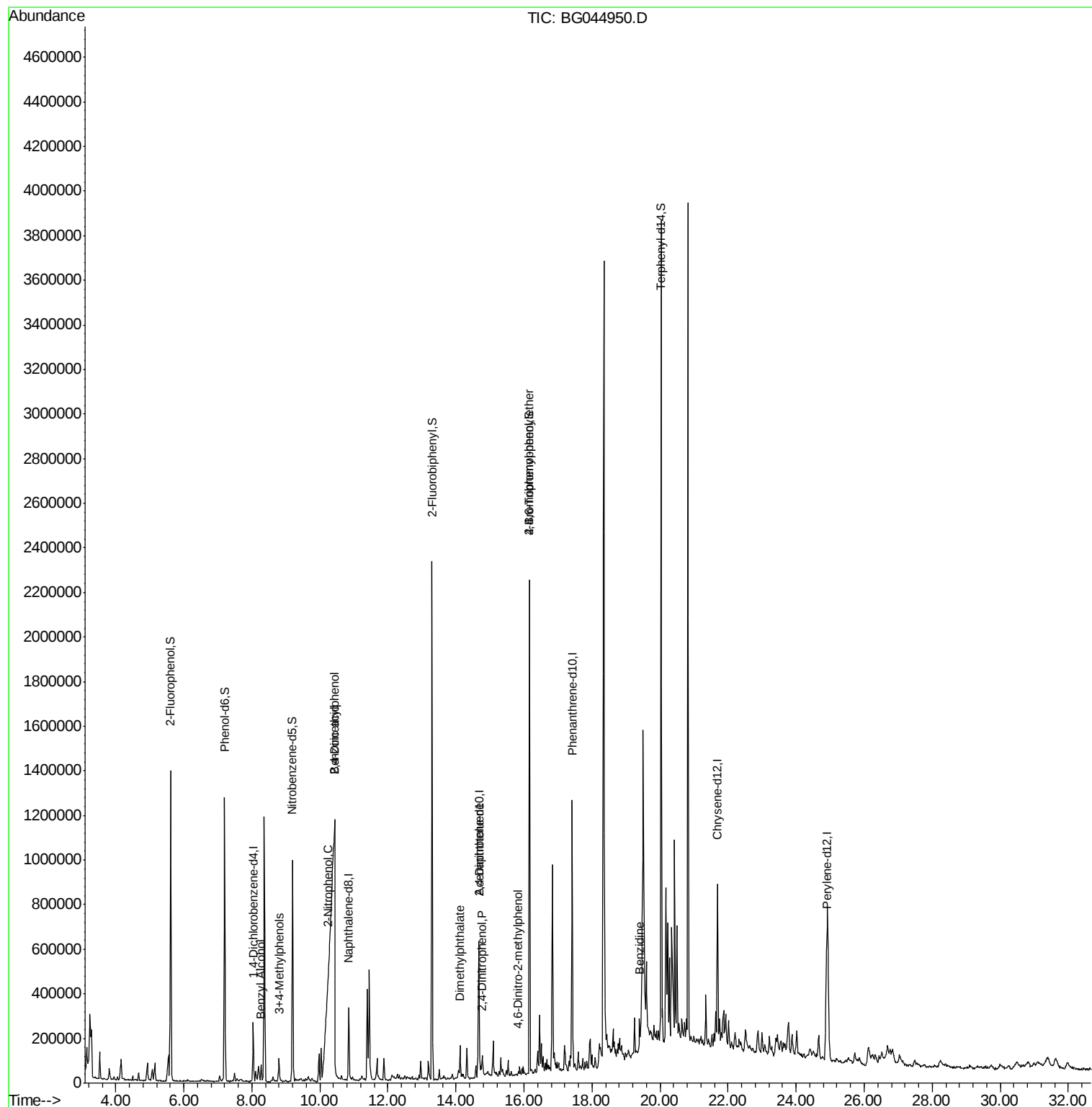
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	75717	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	280691	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	184255	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	406907	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	412913	20.00	ng	-0.01
87) Perylene-d12	24.89	264	455163	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	621653	127.81	ng	0.00
7) Phenol-d6	7.20	99	796188	112.66	ng	0.00
23) Nitrobenzene-d5	9.20	82	636843	99.56	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	420793	174.42	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1206954	93.80	ng	0.00
79) Terphenyl-d14	20.03	244	1680233	76.12	ng	0.00
Target Compounds						
9) Benzaldehyde	7.18	77	1811	Below Cal		Qvalue
15) Benzyl Alcohol	8.27	79	17170	3.03	ng	# 55
20) 3+4-Methylphenols	8.80	107	44992	6.89	ng	# 91
26) 2-Nitrophenol	10.24	139	88	5.55	ng	# 85
27) 2,4-Dimethylphenol	10.44	122	2187112	537.96	ng	# 1
32) Benzoic acid	10.44	122	2192872	562.57	ng	# 1
50) Dimethylphthalate	14.12	163	96141	6.55	ng	# 97
54) 2,4-Dinitrophenol	14.77	184	879	8.83	ng	# 98
57) 2,4-Dinitrotoluene	14.67	165	25208	6.21	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.82	198	65	7.76	ng	# 22
67) 4-Bromophenyl-phenylether	16.16	248	29105	5.72	ng	# 1
77) Benzidine	19.40	184	125404	9.36	ng	# 1

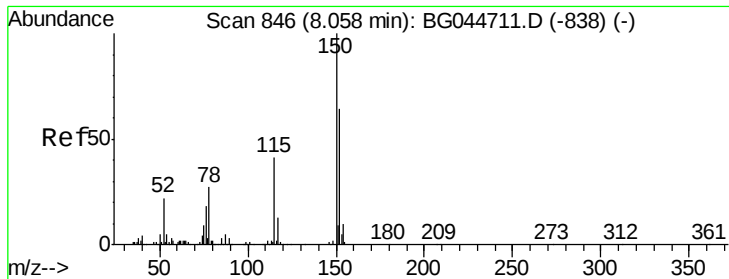
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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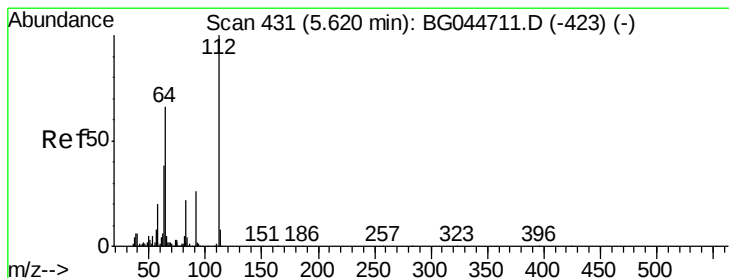
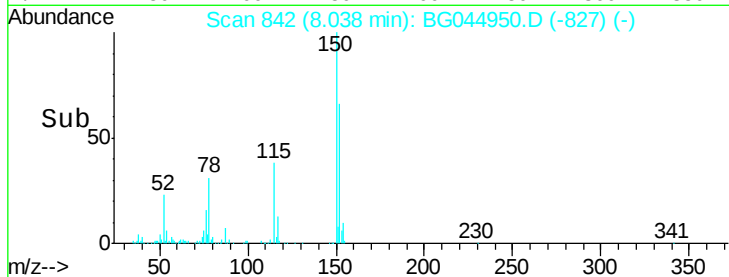
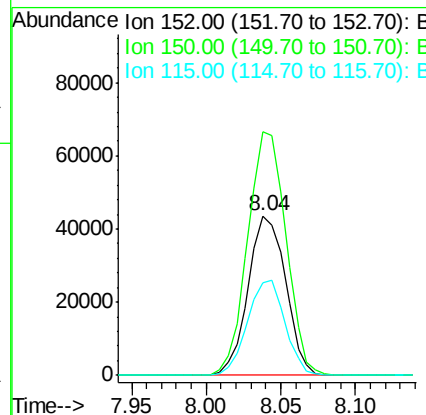
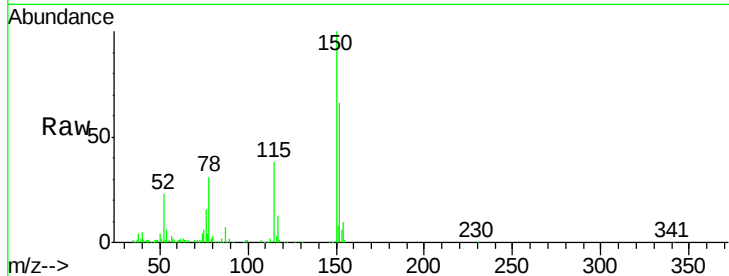


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR

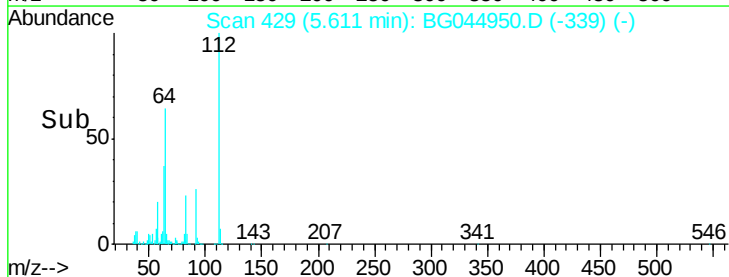
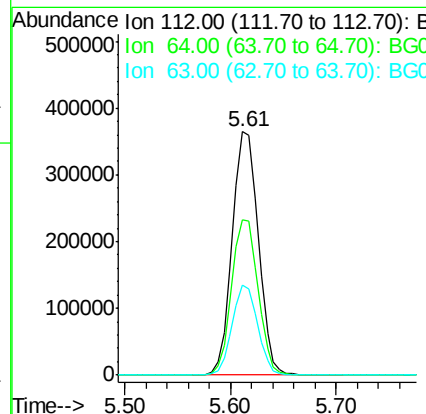
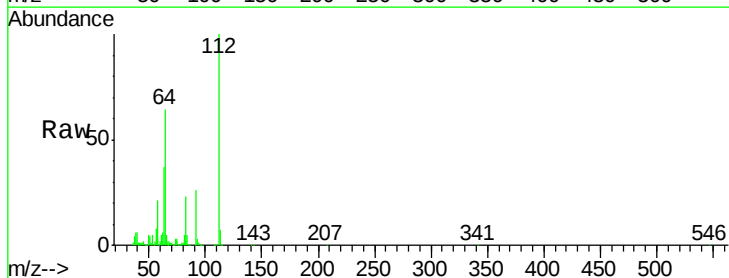
Tgt Ion:152 Resp: 75717
Ion Ratio Lower Upper
152 100
150 152.4 128.8 193.2
115 58.0 52.6 79.0

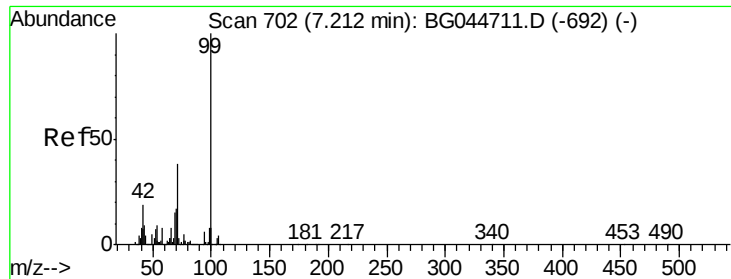


#5

2-Fluorophenol
Concen: 127.81 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion:112 Resp: 621653
Ion Ratio Lower Upper
112 100
64 63.7 53.4 80.2
63 36.7 29.4 44.2





#7

Phenol-d6

Concen: 112.66 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

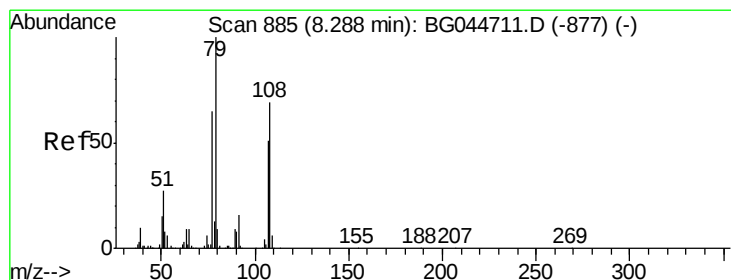
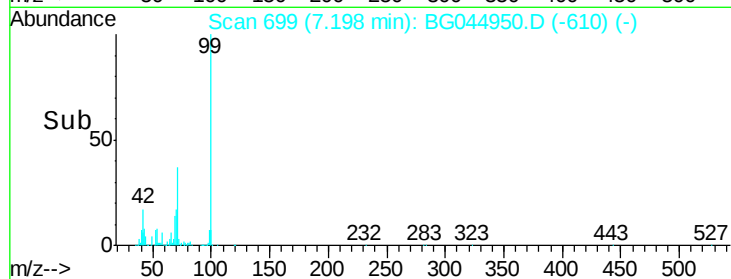
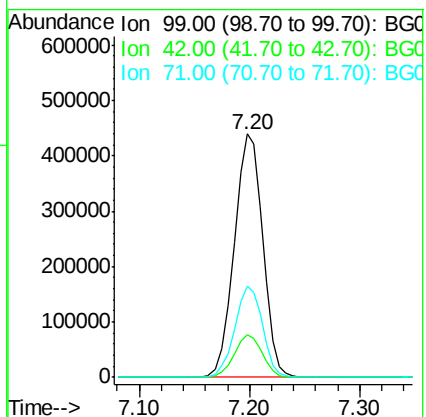
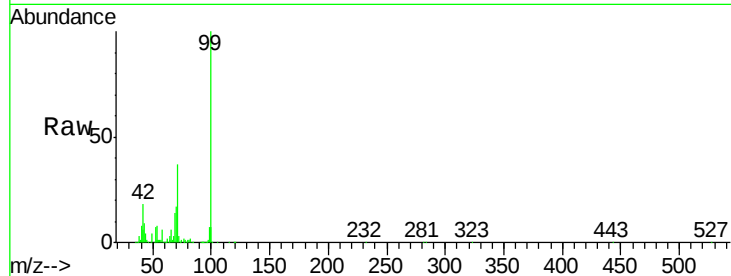
Tgt Ion: 99 Resp: 796188

Ion Ratio Lower Upper

99 100

42 17.5 12.6 19.0

71 37.4 29.0 43.4



#15

Benzyl Alcohol

Concen: 3.03 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

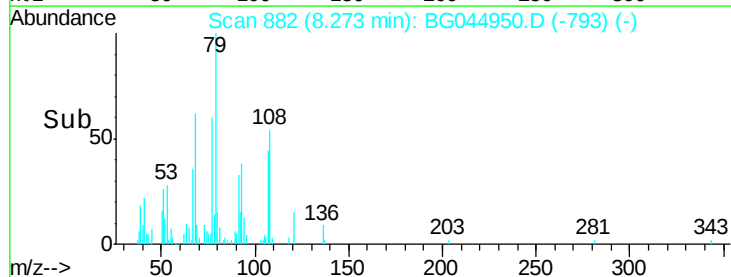
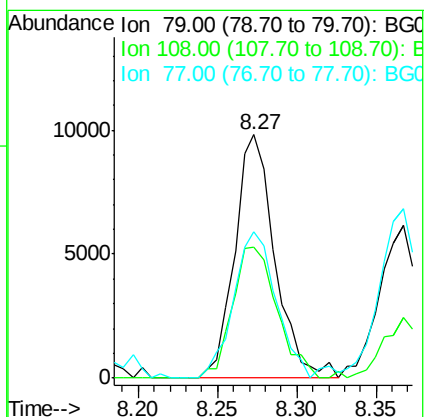
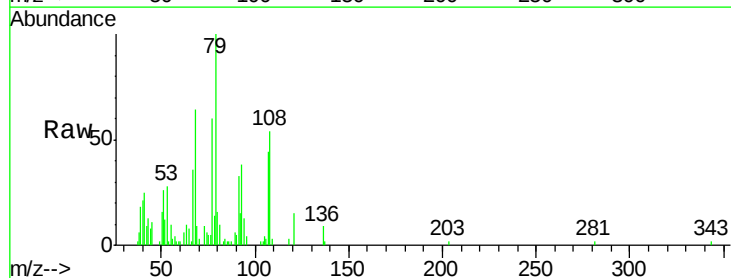
Tgt Ion: 79 Resp: 17170

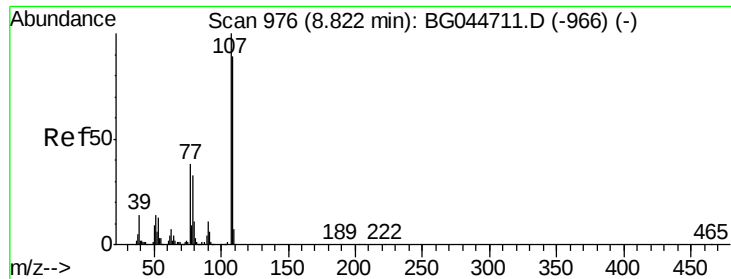
Ion Ratio Lower Upper

79 100

108 53.9 53.8 80.8

77 59.9 47.8 71.8

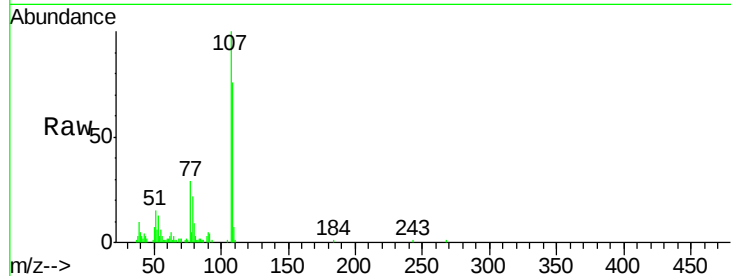




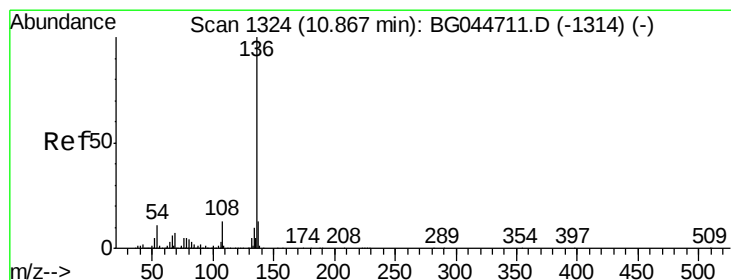
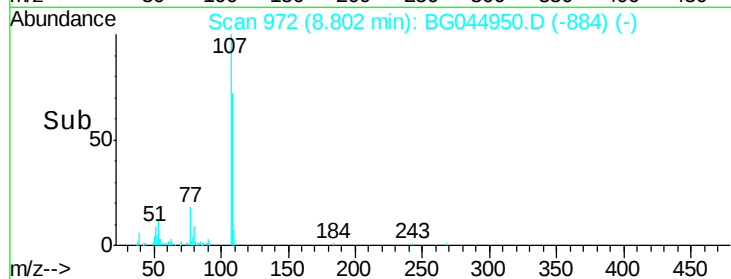
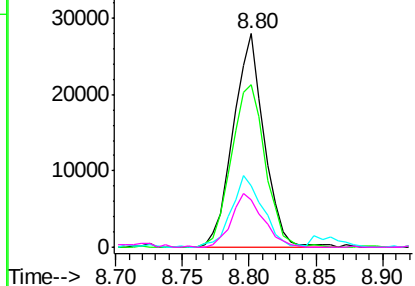
#20
3+4-Methylphenols
Concen: 6.89 ng
RT: 8.80 min Scan# 972
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR

Tgt Ion:	107	Resp:	44992
Ion	Ratio	Lower	Upper
107	100		
108	75.9	71.3	111.3
77	28.9	16.9	56.9
79	22.0	9.7	49.7

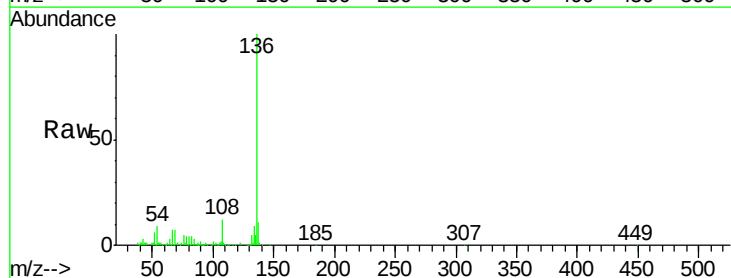


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

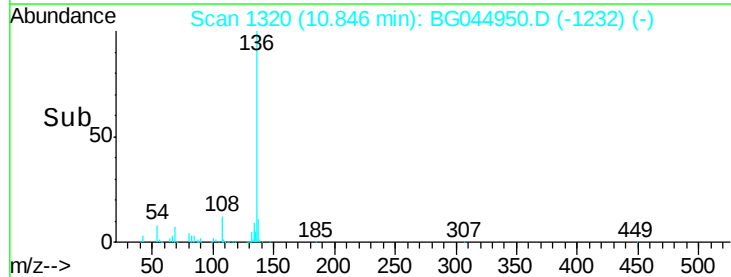
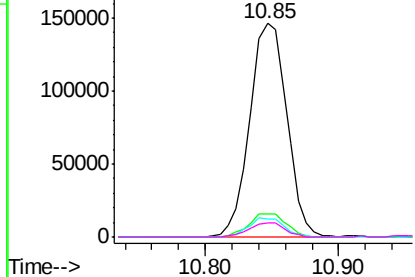


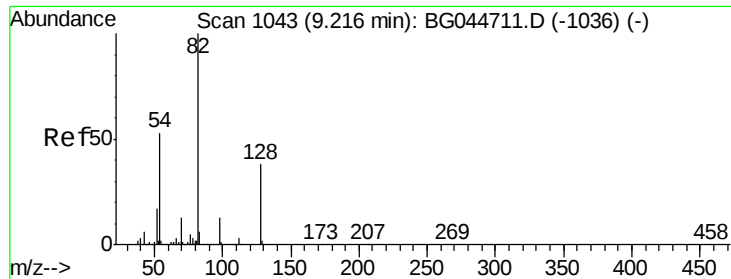
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion:	136	Resp:	280691
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	8.6	7.9	11.9
68	6.8	5.4	8.0



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): BGC
Ion 68.00 (67.70 to 68.70): BGC

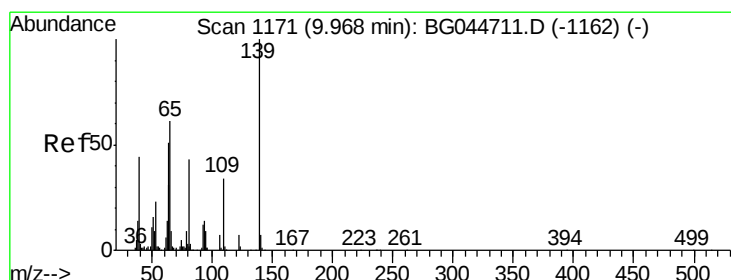
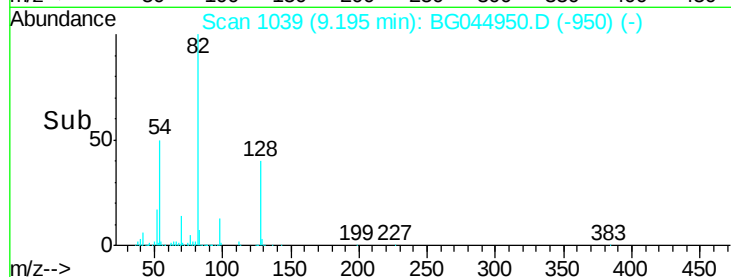
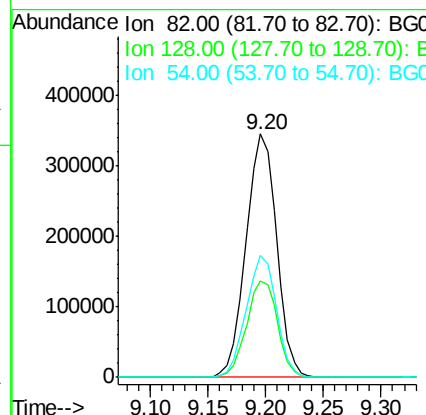
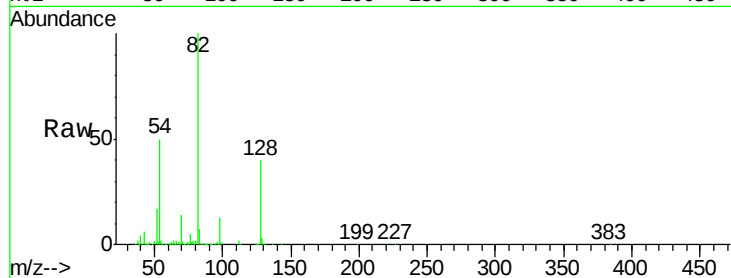




#23
Nitrobenzene-d5
Concen: 99.56 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

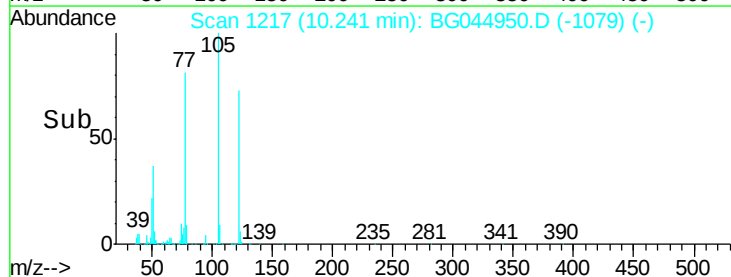
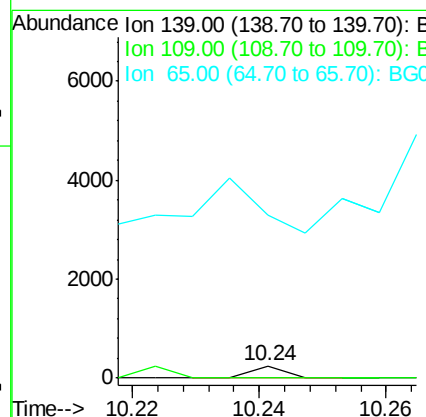
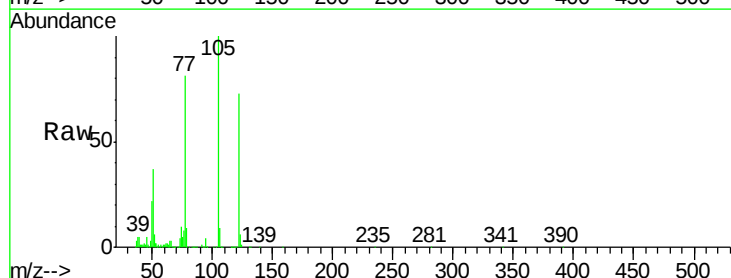
Instrument :
BNA_G
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OIL-WATER-SEPARATOR

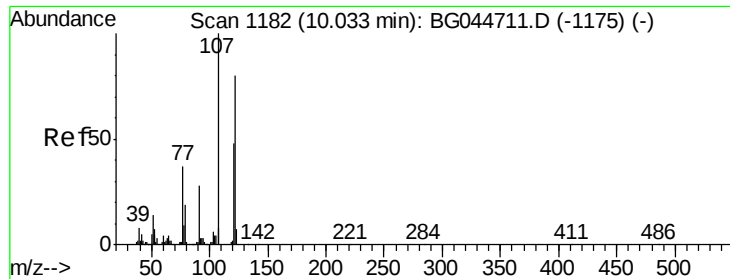
Tgt Ion: 82 Resp: 636843
Ion Ratio Lower Upper
82 100
128 39.8 30.6 46.0
54 50.3 37.1 55.7



#26
2-Nitrophenol
Concen: 5.55 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.28 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion: 139 Resp: 88
Ion Ratio Lower Upper
139 100
109 0.0 30.2 45.4#
65 1321.7 46.3 69.5#





#27

2,4-Dimethylphenol

Concen: 537.96 ng

RT: 10.44 min Scan# 1250

Delta R.T. 0.42 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

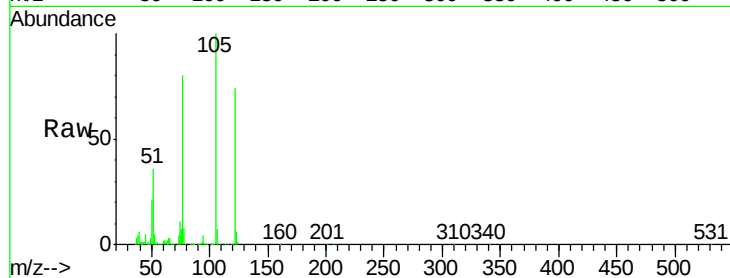
Tgt Ion:122 Resp: 2187112

Ion Ratio Lower Upper

122 100

107 0.6 107.1 160.7#

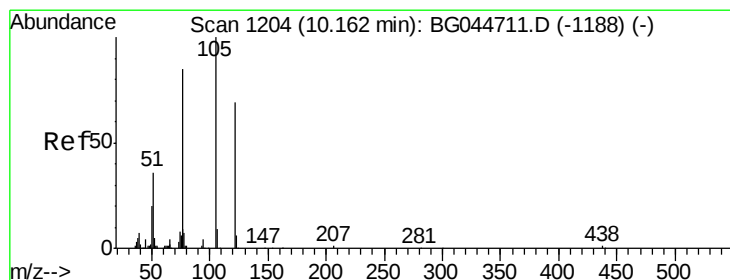
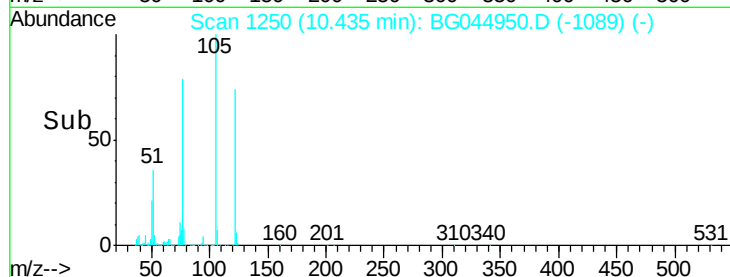
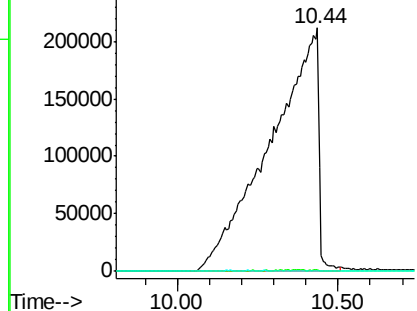
121 0.0 46.8 70.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 562.57 ng

RT: 10.44 min Scan# 1250

Delta R.T. 0.29 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

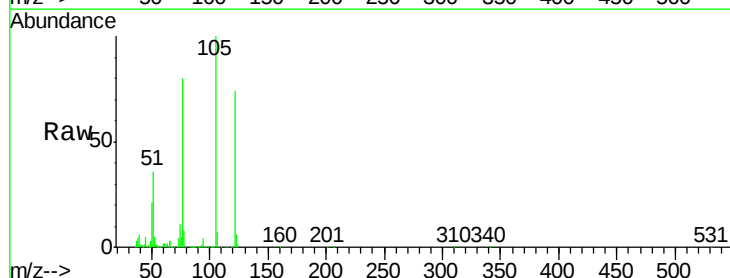
Tgt Ion:122 Resp: 2192872

Ion Ratio Lower Upper

122 100

105 134.3 109.1 149.1

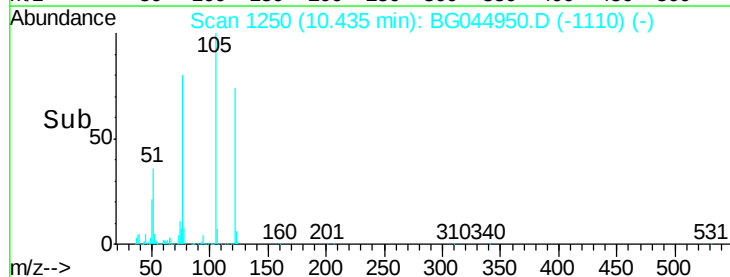
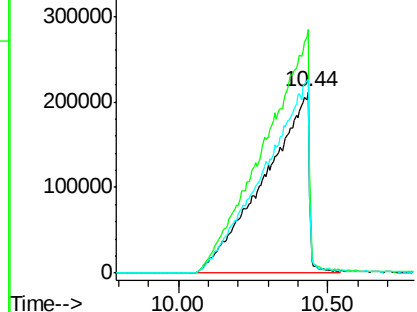
77 106.8 85.3 125.3

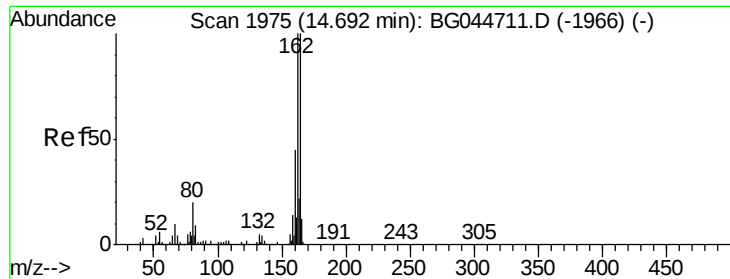


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

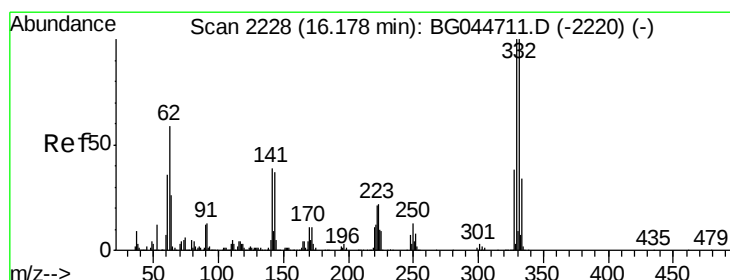
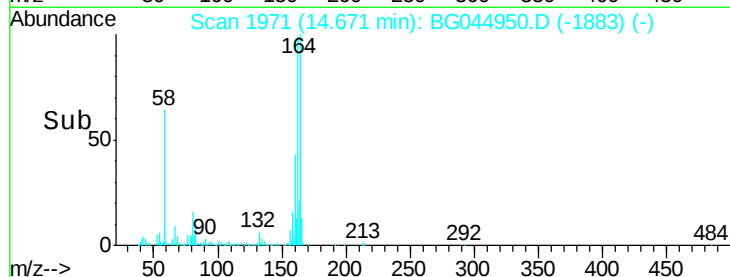
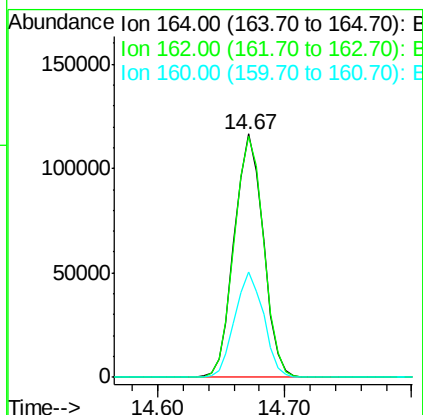
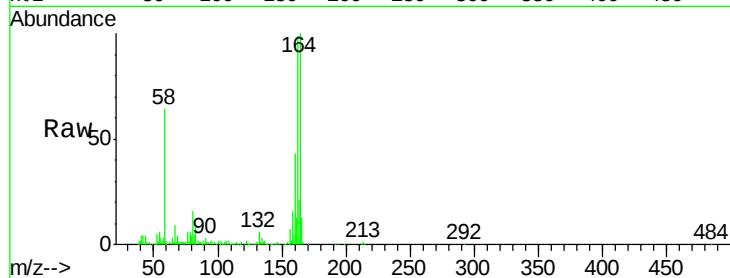




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

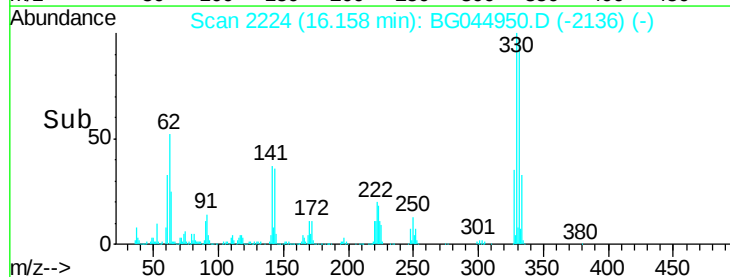
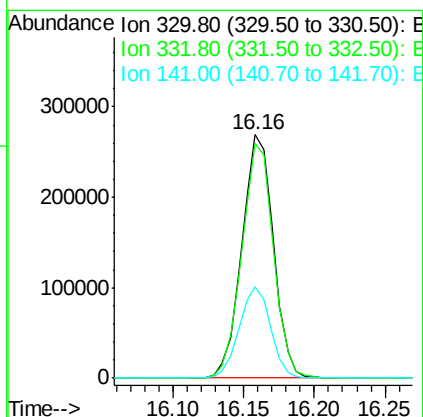
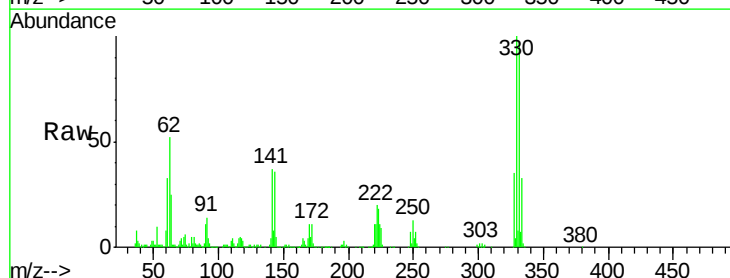
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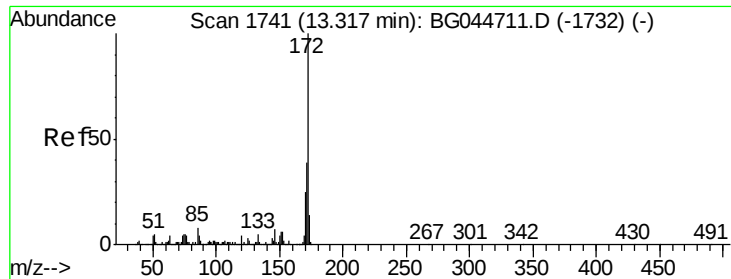
Tgt Ion:164 Resp: 184255
Ion Ratio Lower Upper
164 100
162 99.2 76.7 115.1
160 43.2 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 174.42 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion:330 Resp: 420793
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 37.6 29.5 44.3

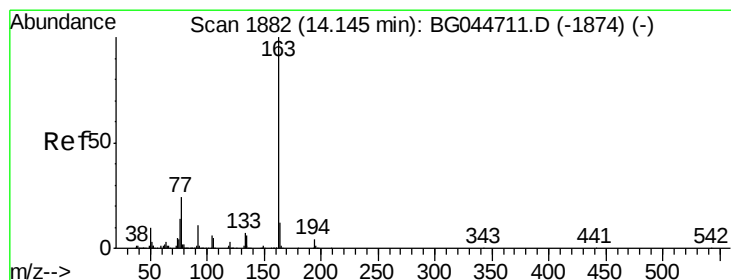
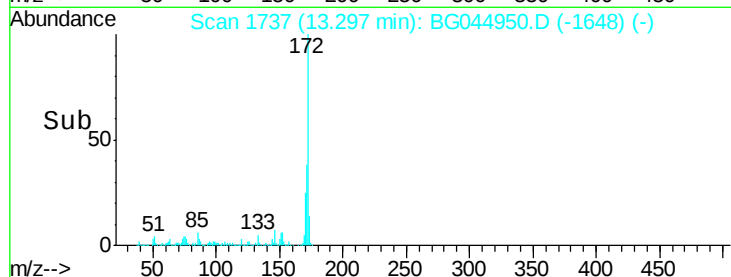
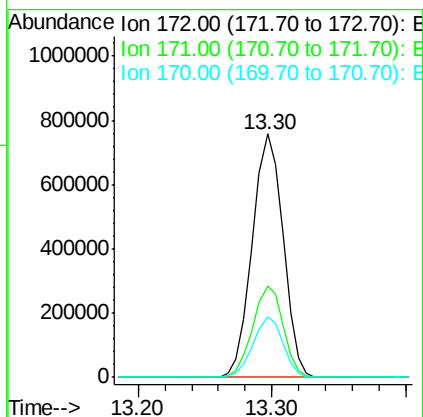
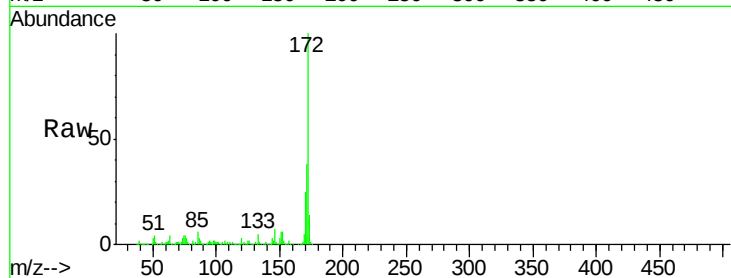




#45
2-Fluorobiphenyl
Concen: 93.80 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

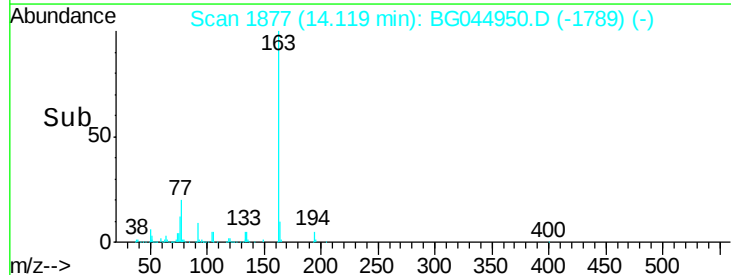
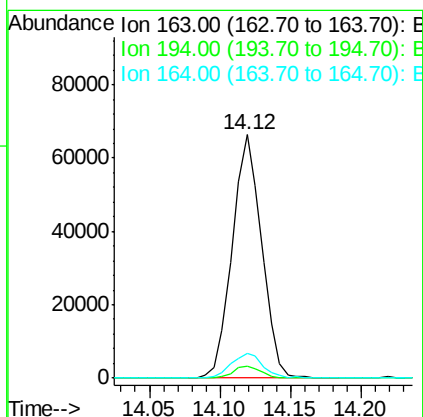
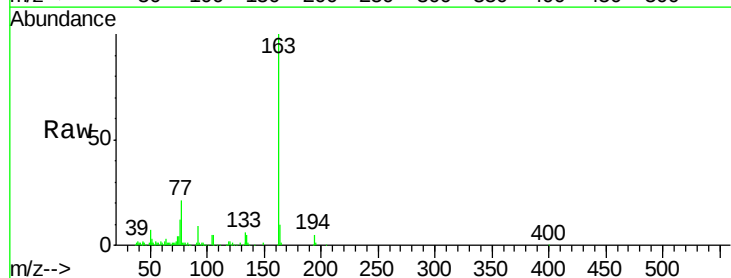
Instrument :
BNA_G
ClientSampleId :
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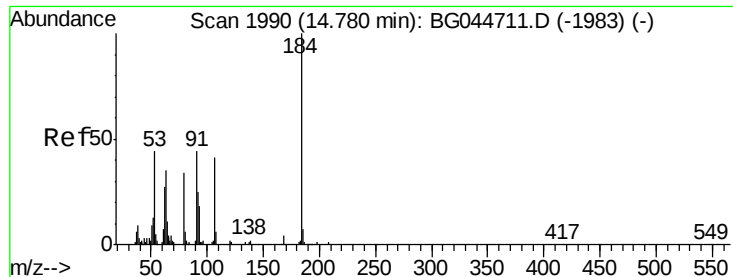
Tgt Ion:172 Resp: 1206954
Ion Ratio Lower Upper
172 100
171 37.8 28.7 43.1
170 24.9 19.0 28.6



#50
Dimethylphthalate
Concen: 6.55 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion:163 Resp: 96141
Ion Ratio Lower Upper
163 100
194 4.8 3.7 5.5
164 10.4 9.1 13.7

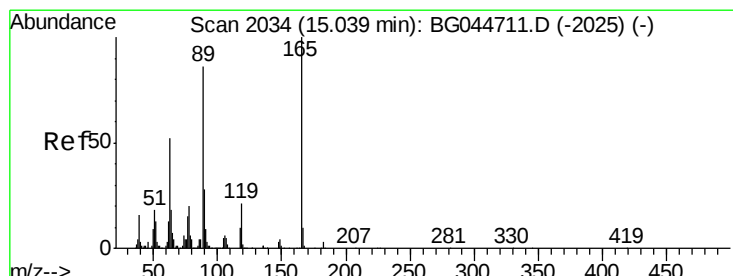
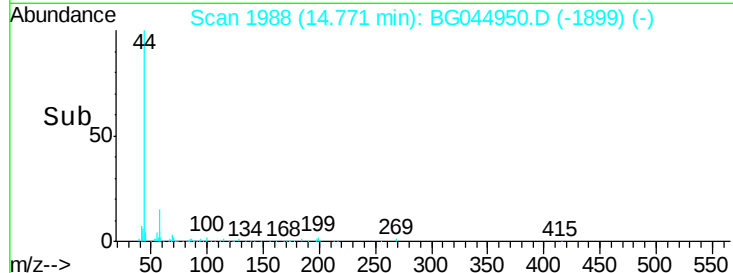
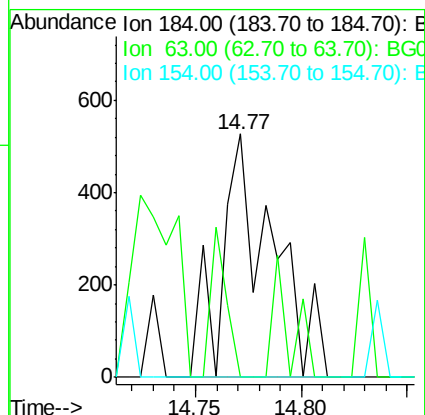
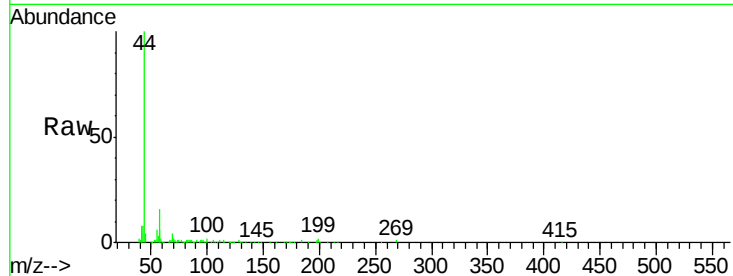




#54
2,4-Dinitrophenol
Concen: 8.83 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

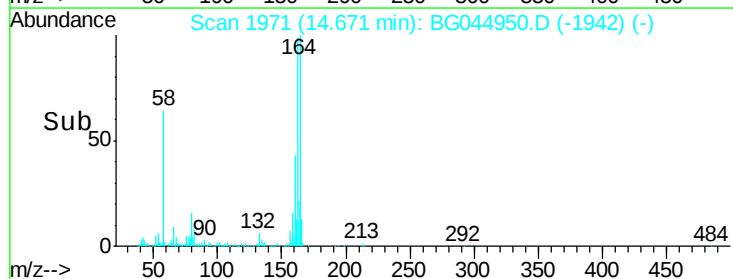
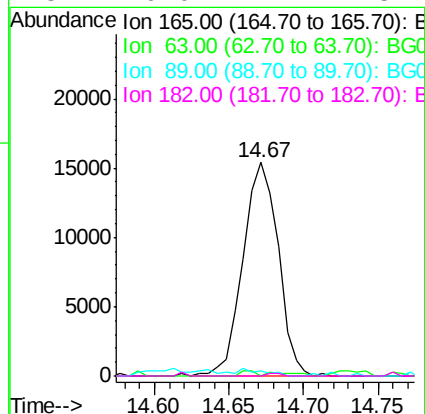
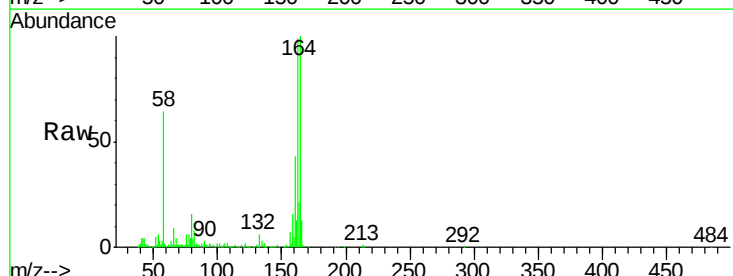
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR

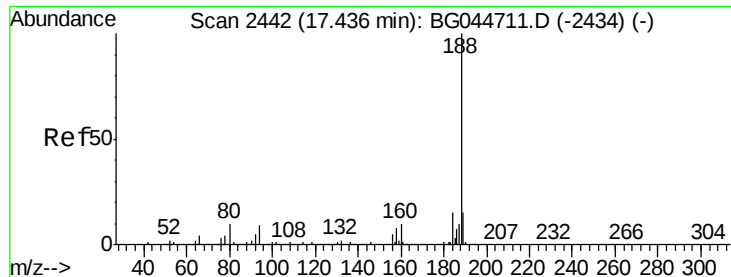
Tgt Ion:184 Resp: 879
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.21 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Tgt Ion:165 Resp: 25208
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.3 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

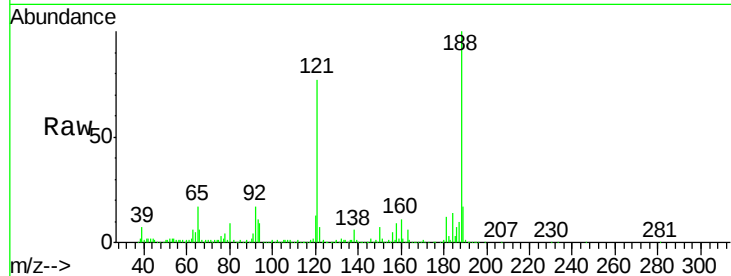
Tgt Ion:188 Resp: 406907

Ion Ratio Lower Upper

188 100

94 8.9 7.3 10.9

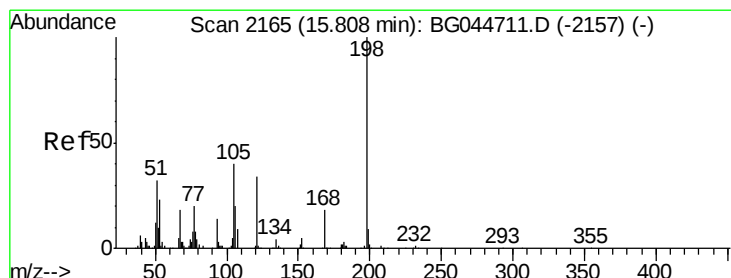
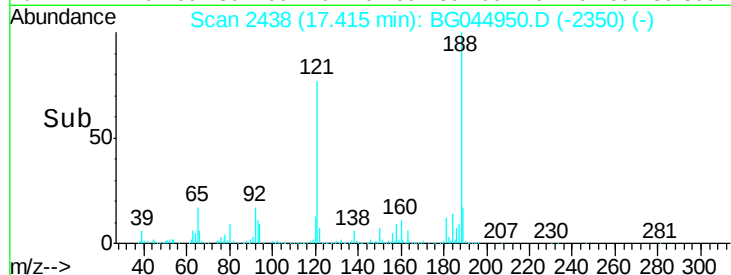
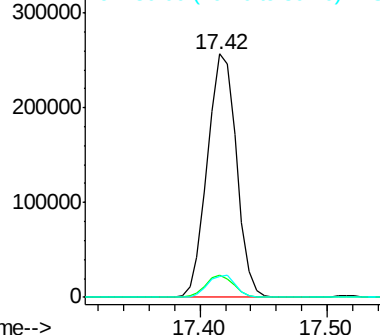
80 8.8 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 7.76 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.03 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

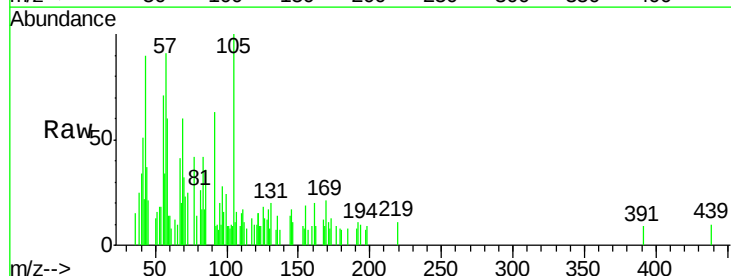
Tgt Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 189.2 21.1 61.1#

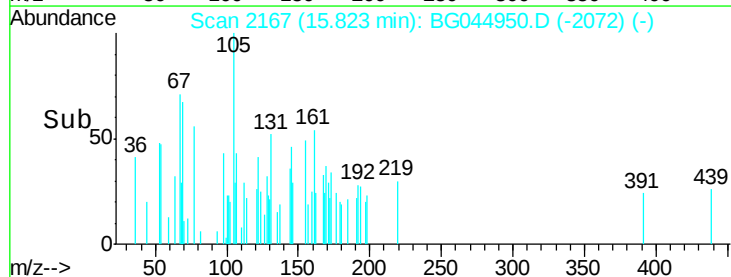
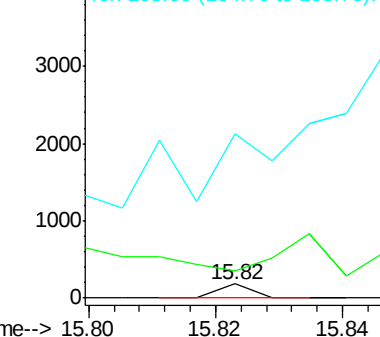
105 1147.6 24.5 64.5#

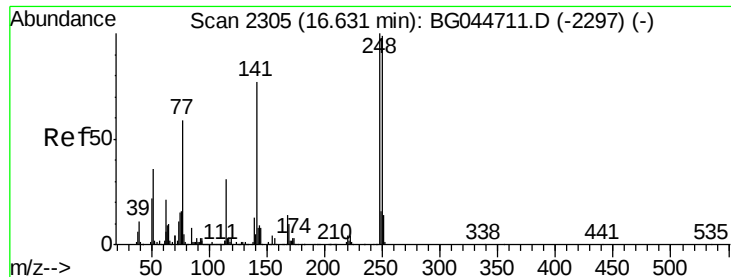


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

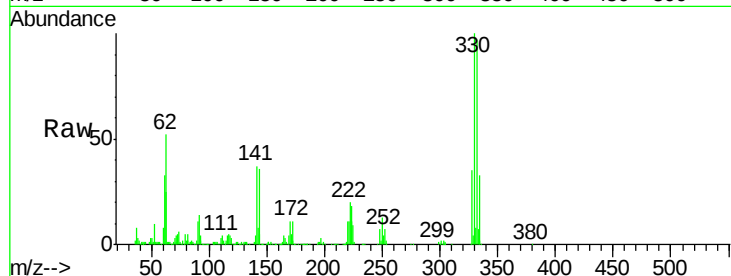




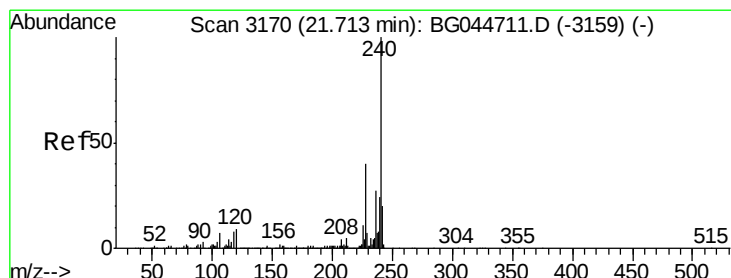
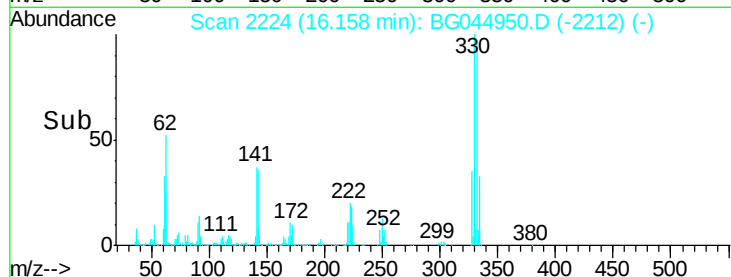
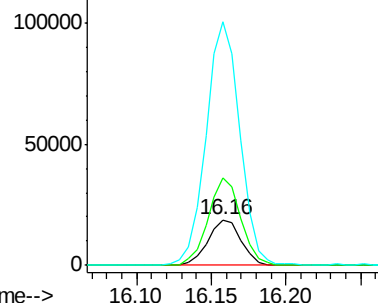
#67
 4-Bromophenyl-phenylether
 Concen: 5.72 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044950.D
 Acq: 25 Mar 2020 5:18

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPARATOR

Tgt Ion:248 Resp: 29105
 Ion Ratio Lower Upper
 248 100
 250 190.7 77.9 116.9#
 141 531.4 57.5 86.3#

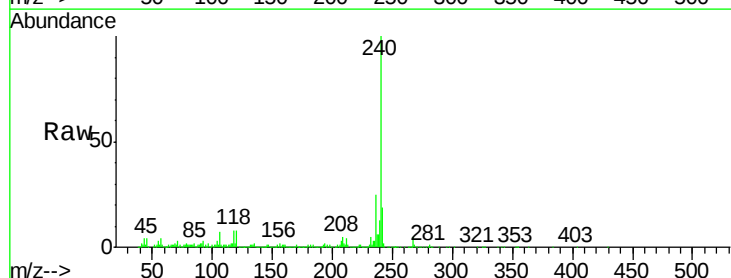


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

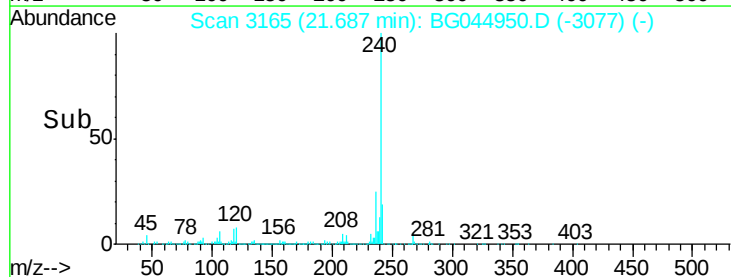
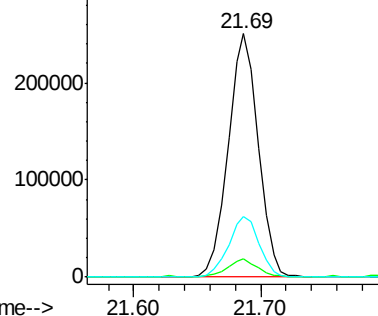


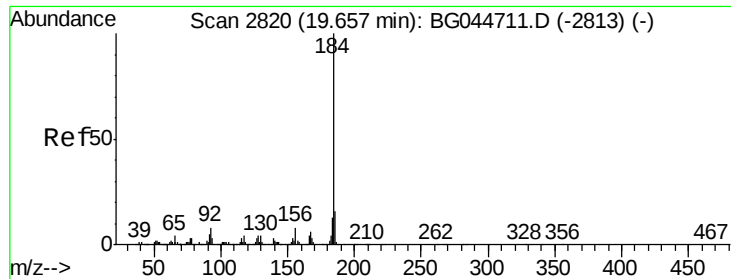
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG044950.D
 Acq: 25 Mar 2020 5:18

Tgt Ion:240 Resp: 412913
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.7 10.1
 236 25.0 21.5 32.3



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





#77

Benzidine

Concen: 9.36 ng

RT: 19.40 min Scan# 2775

Delta R.T. -0.25 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

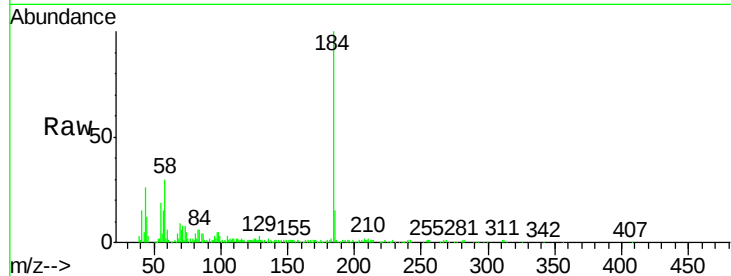
Tgt Ion:184 Resp: 125404

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.4

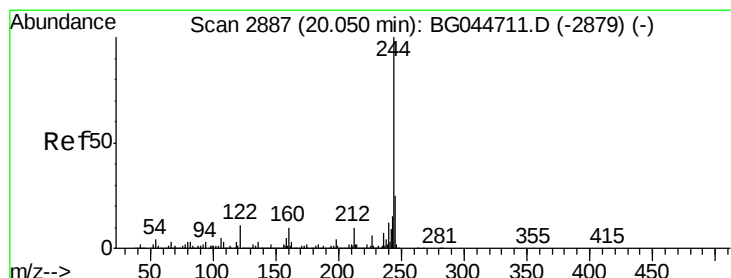
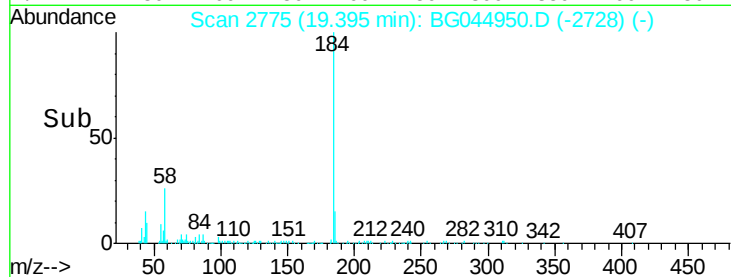
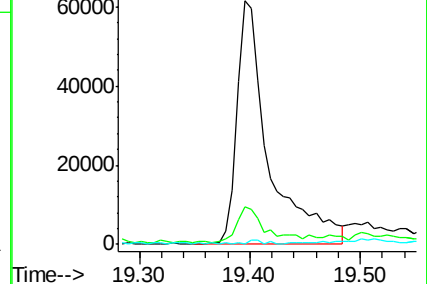
183 0.0 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 76.12 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044950.D

Acq: 25 Mar 2020 5:18

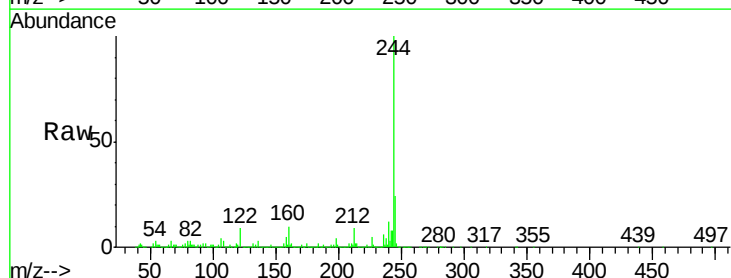
Tgt Ion:244 Resp: 1680233

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

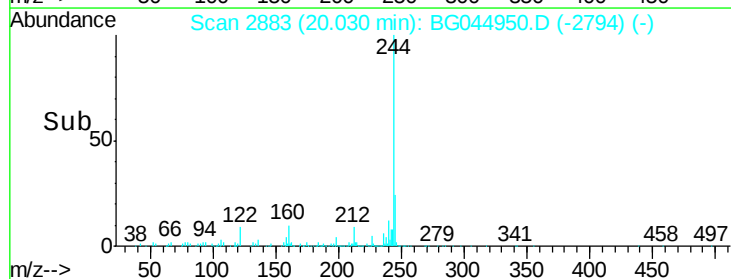
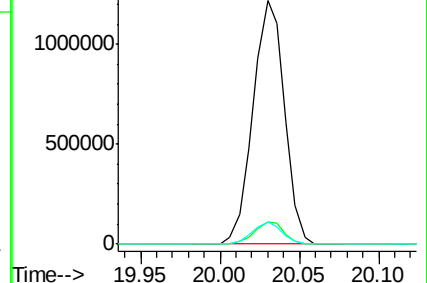
122 9.1 8.6 12.8

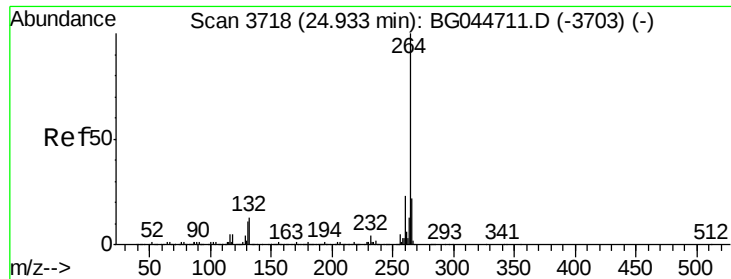


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044950.D
Acq: 25 Mar 2020 5:18

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATOR

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.1	27.1
265	23.4	17.1	25.7

