

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG044998.D
 Acq On : 16 Apr 2020 1:35
 Operator : CG/JU
 Sample : L2259-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPARATOR-2

Quant Time: Apr 16 05:04:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

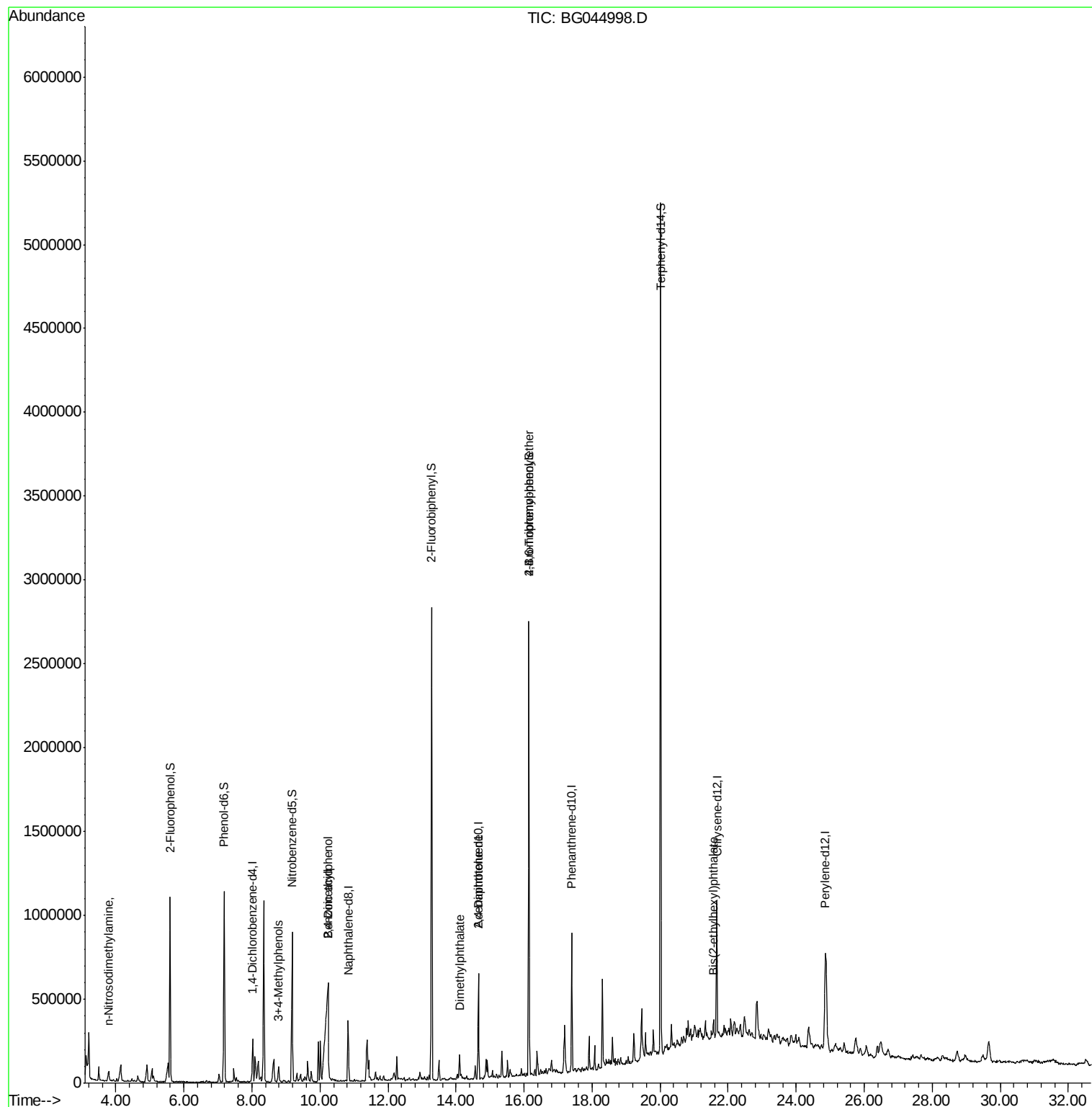
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	74625	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	306302	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	231317	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	543522	20.00	ng	0.00
76) Chrysene-d12	21.66	240	485403	20.00	ng	0.00
87) Perylene-d12	24.85	264	516345	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	527010	116.59	ng	0.00
7) Phenol-d6	7.18	99	745601	111.02	ng	0.00
23) Nitrobenzene-d5	9.18	82	607018	90.43	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	543605	152.12	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1504883	95.39	ng	0.00
79) Terphenyl-d14	20.01	244	2382475	106.98	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.79	42	7359	3.884	ng	# 1
9) Benzaldehyde	7.16	77	2052	Below Cal		# 56
20) 3+4-Methylphenols	8.79	107	35877	4.943	ng	# 92
27) 2,4-Dimethylphenol	10.23	122	625411	132.982	ng	# 2
32) Benzoic acid	10.23	122	625411	149.130	ng	# 97
50) Dimethylphthalate	14.10	163	92393	4.905	ng	# 98
57) 2,4-Dinitrotoluene	14.65	165	31250	5.076	ng	# 21
67) 4-Bromophenyl-phenylether	16.14	248	37716	5.379	ng	# 1
69) Atrazine	16.86	200	97	Below Cal		# 20
74) Di-n-butylphthalate	18.37	149	5444	Below Cal		# 89
75) Fluoranthene	19.45	202	1838	Below Cal		# 1
77) Benzidine	20.01	184	49292	Below Cal		# 85
84) Bis(2-ethylhexyl)phthalate	21.56	149	48137	2.523	ng	# 93

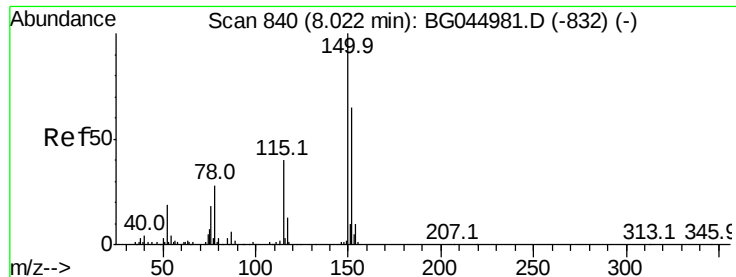
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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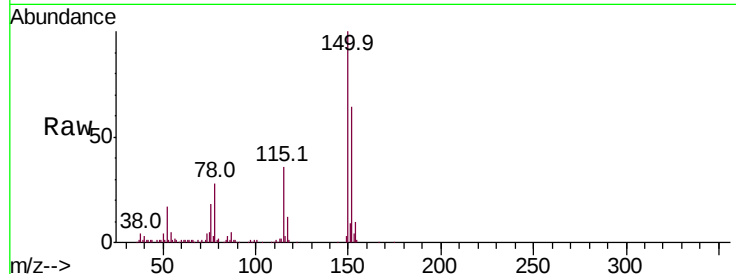


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG044998.D
Acq: 16 Apr 2020 1:35

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.6	185.4
115	56.2	49.1	73.7

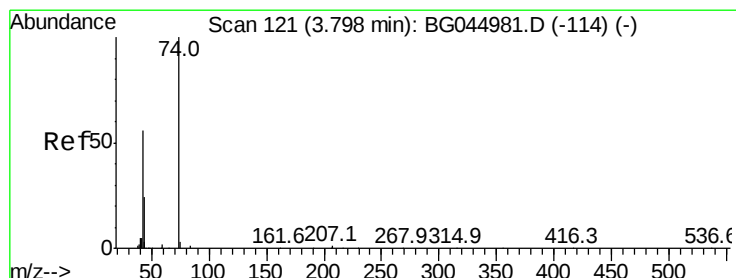
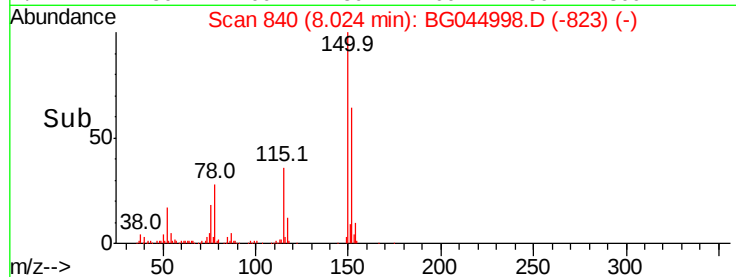
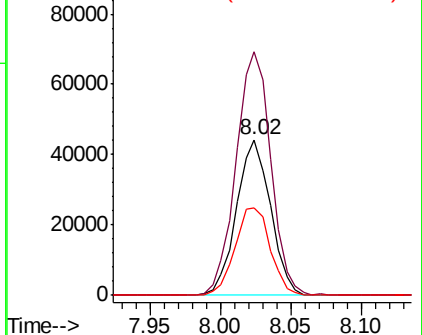


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

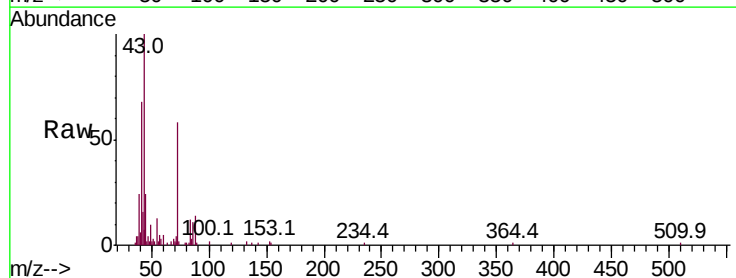
Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine
Concen: 3.884 ng
RT: 3.79 min Scan# 119
Delta R.T. -0.01 min
Lab File: BG044998.D
Acq: 16 Apr 2020 1:35

Tgt Ion	Ratio	Lower	Upper
42	100		
74	12.8	143.0	214.6#
44	40.8	4.6	6.8#

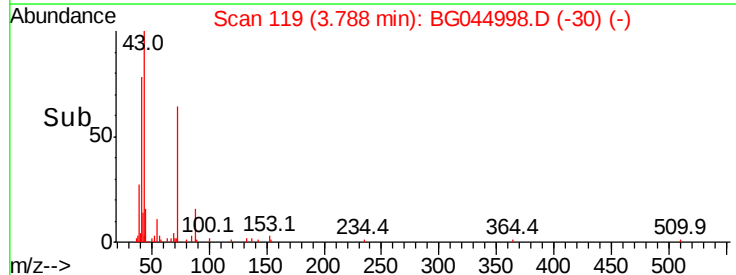
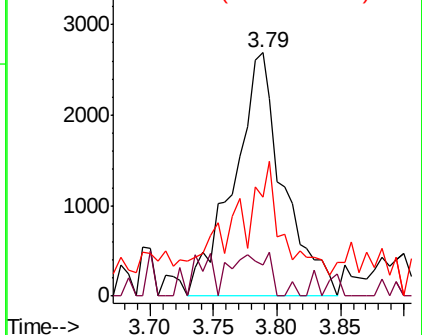


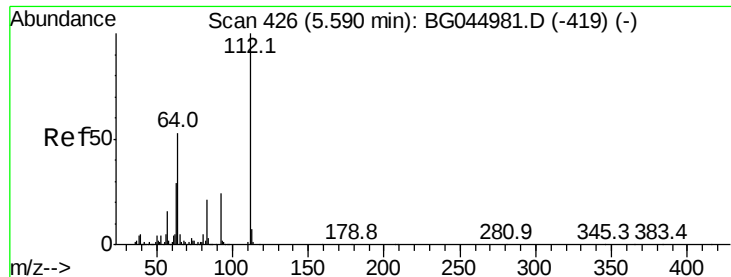
Abundance

Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 116.592 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

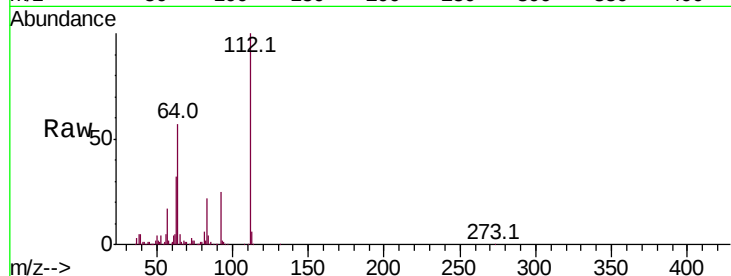
Tot Ion:112 Resp: 527010

Ion Ratio Lower Upper

112 100

64 57.1 42.4 63.6

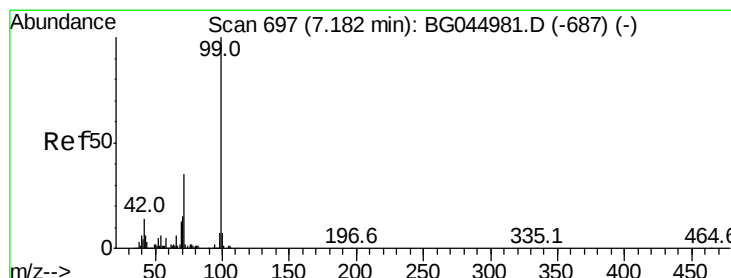
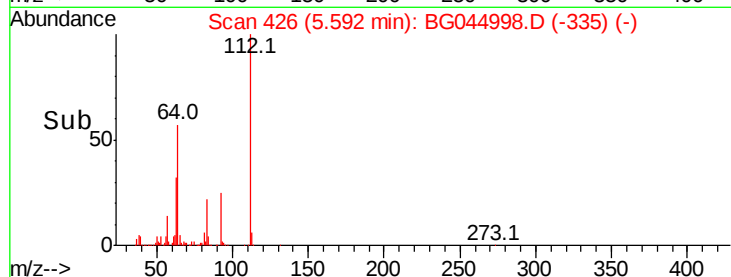
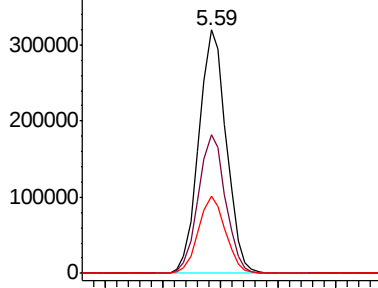
63 31.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 111.022 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

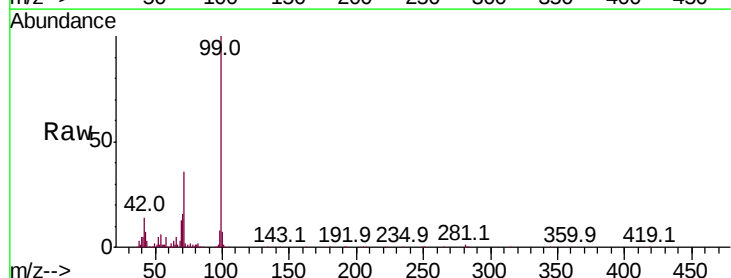
Tgt Ion: 99 Resp: 745601

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

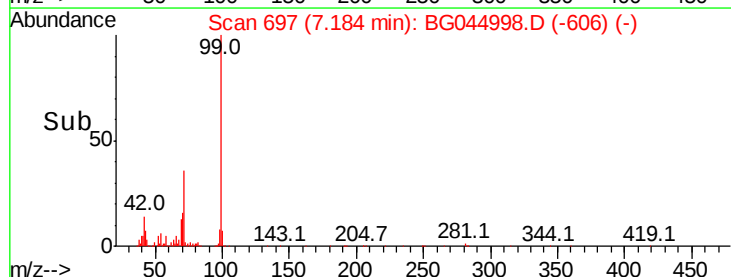
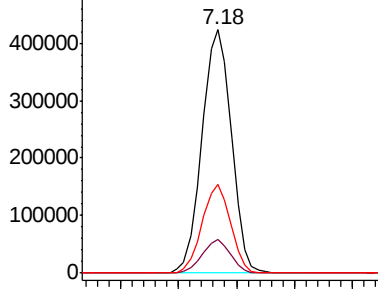
71 36.4 28.3 42.5

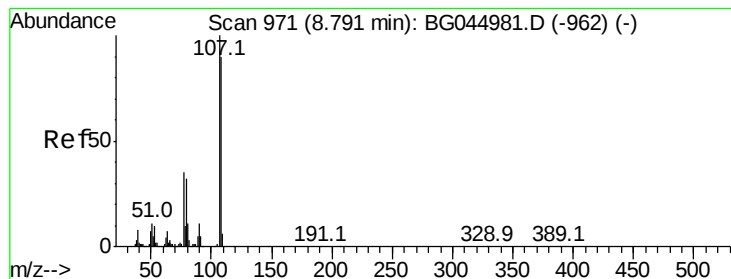


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#20

3+4-Methylphenols

Concen: 4.943 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

Tot Ion:107 Resp: 35877

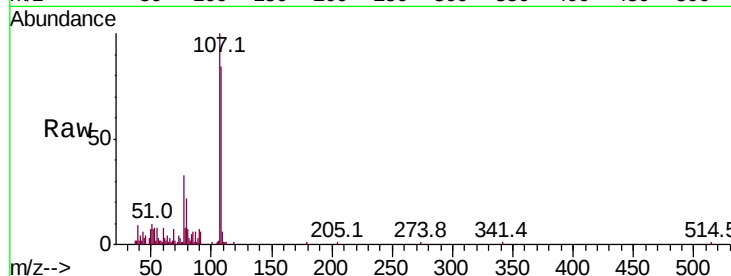
Ion Ratio Lower Upper

107 100

108 83.7 69.9 109.9

77 32.7 15.2 55.2

79 22.4 11.6 51.6

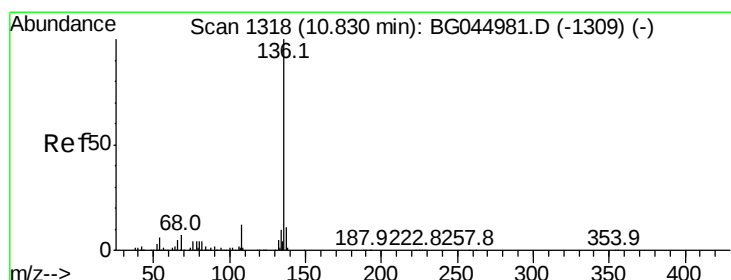
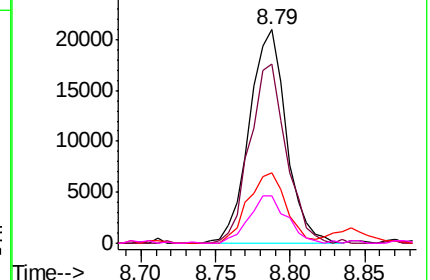
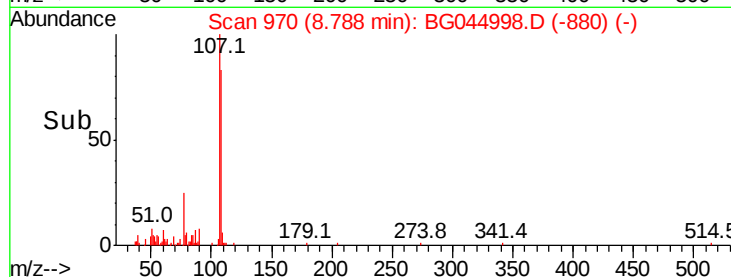


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Tgt Ion:136 Resp: 306302

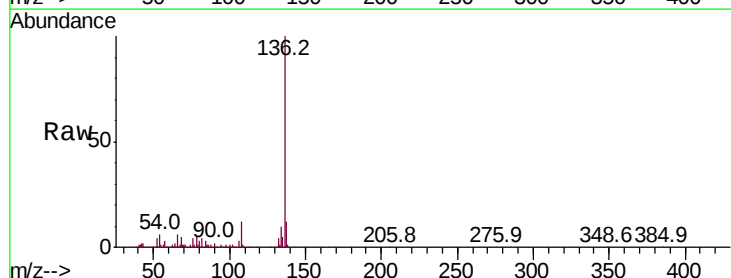
Ion Ratio Lower Upper

136 100

137 11.8 8.6 13.0

54 5.8 4.8 7.2

68 5.4 5.2 7.8

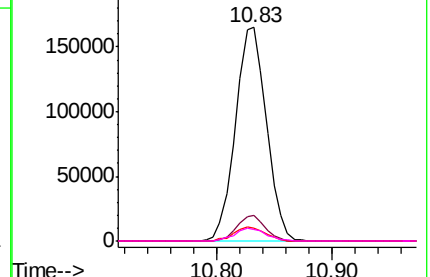
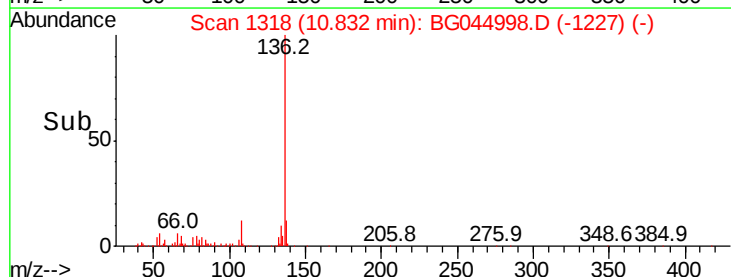


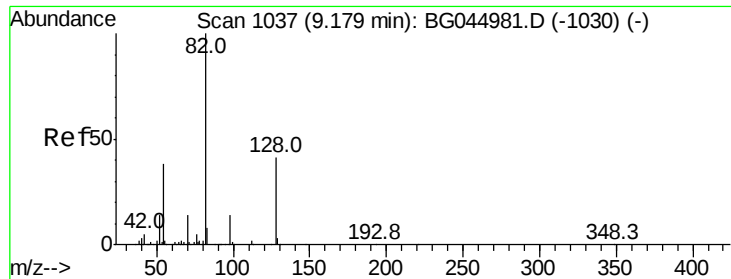
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

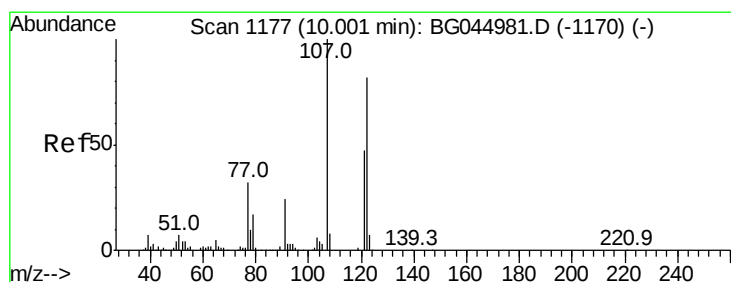
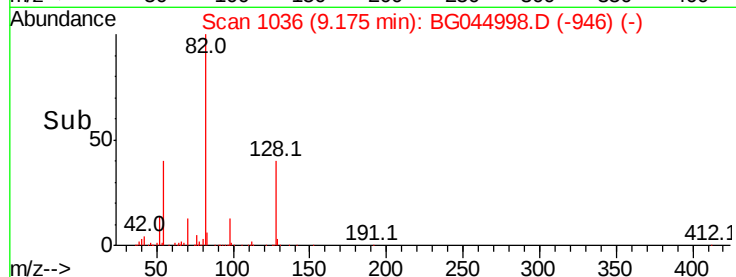
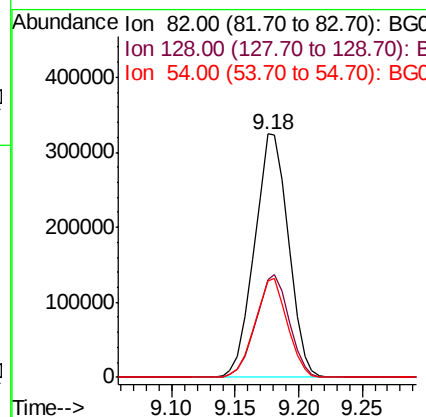
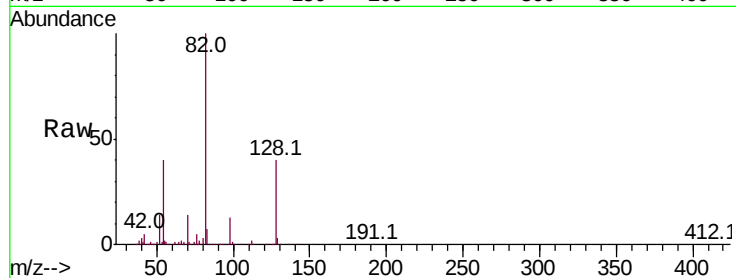




#23
 Nitrobenzene-d5
 Concen: 90.426 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG044998.D
 Acq: 16 Apr 2020 1:35

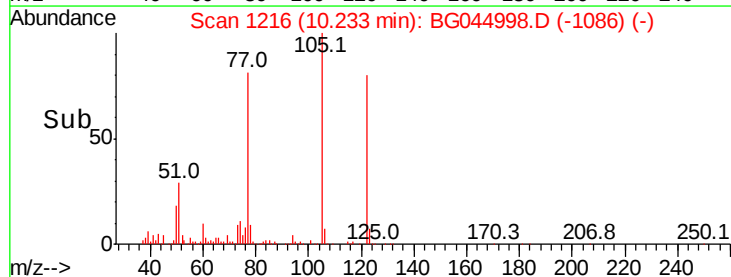
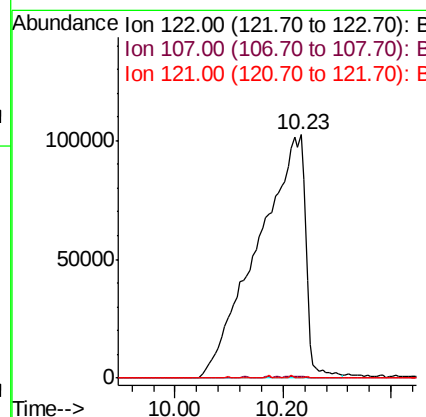
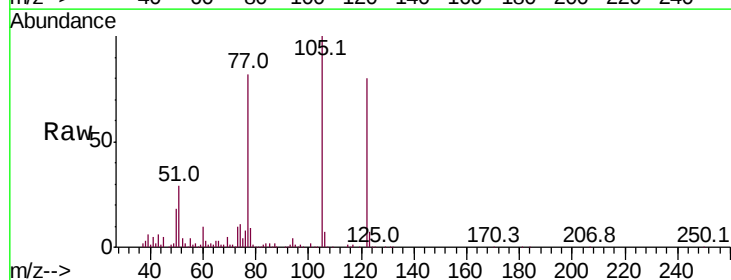
Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPARATOR-2

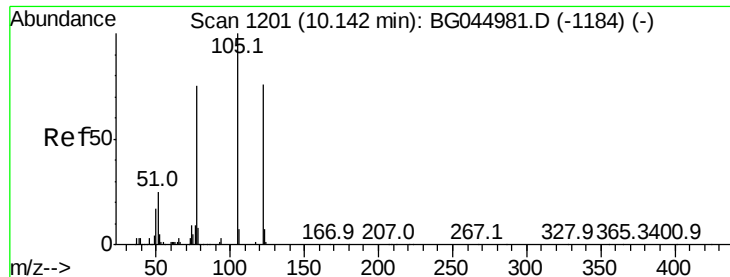
Tot Ion: 82 Resp: 607018
 Ion Ratio Lower Upper
 82 100
 128 40.3 33.0 49.4
 54 39.8 30.4 45.6



#27
 2,4-Dimethylphenol
 Concen: 132.982 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. 0.23 min
 Lab File: BG044998.D
 Acq: 16 Apr 2020 1:35

Tgt Ion:122 Resp: 625411
 Ion Ratio Lower Upper
 122 100
 107 0.5 96.8 145.2#
 121 0.0 45.6 68.4#





#32

Benzoic acid

Concen: 149.130 ng

RT: 10.23 min Scan# 1216

Delta R.T. 0.09 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

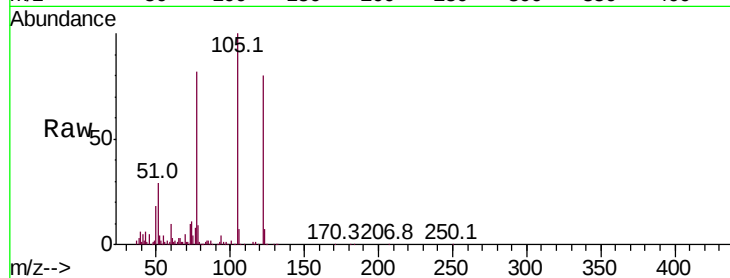
Tot Ion:122 Resp: 625411

Ion Ratio Lower Upper

122 100

105 124.5 108.4 148.4

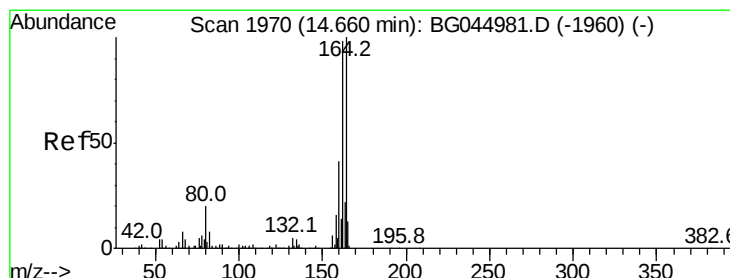
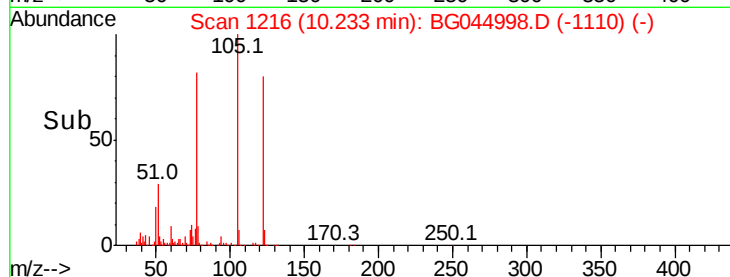
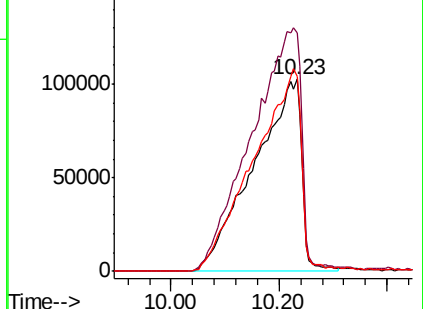
77 101.6 78.8 118.8



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

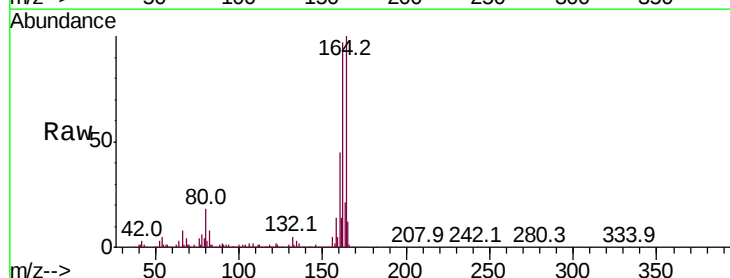
Tgt Ion:164 Resp: 231317

Ion Ratio Lower Upper

164 100

162 97.1 78.7 118.1

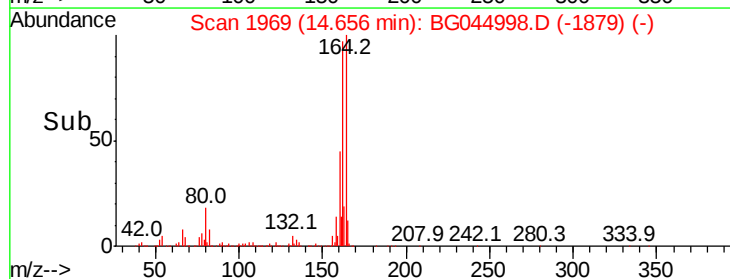
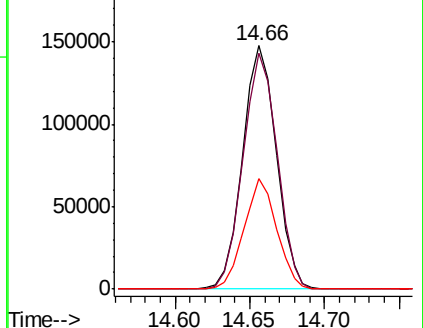
160 45.2 32.8 49.2

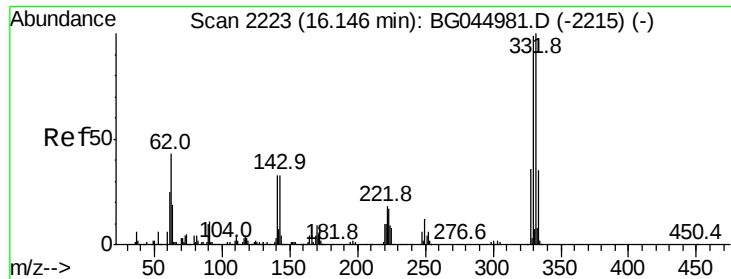


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

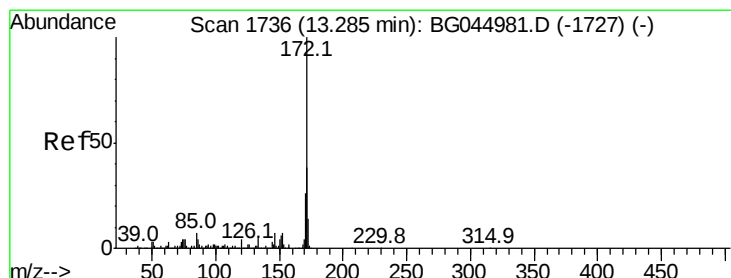
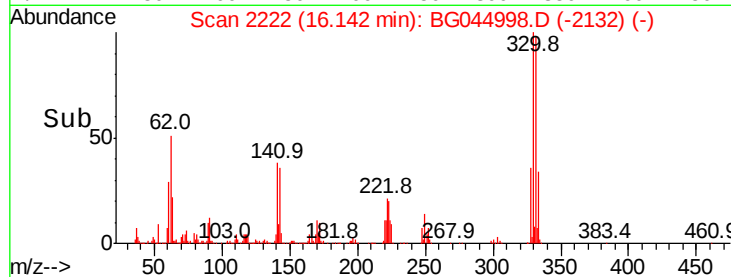
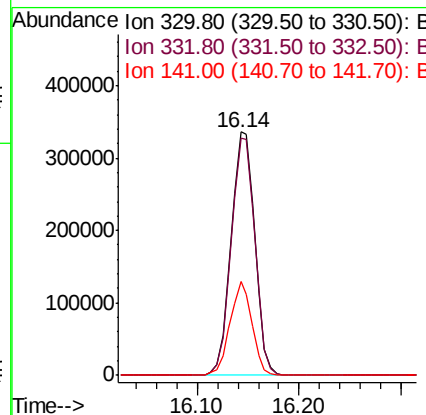
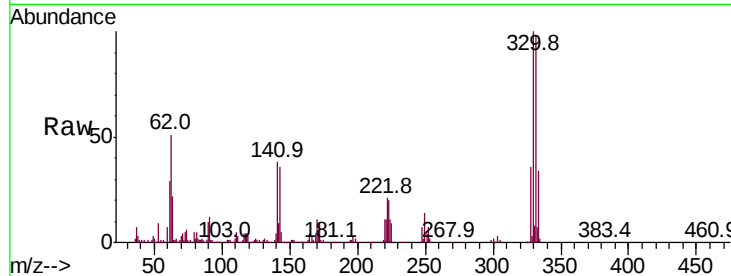




#42
 2,4,6-Tribromophenol
 Concen: 152.119 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG044998.D
 Acq: 16 Apr 2020 1:35

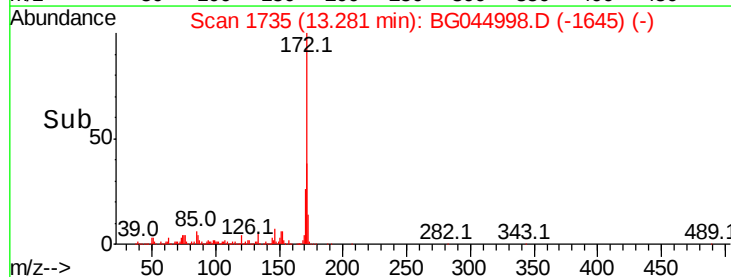
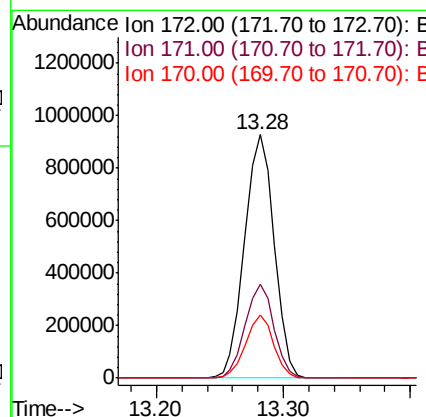
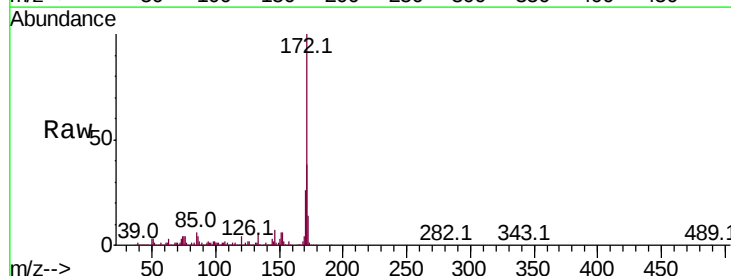
Instrument :
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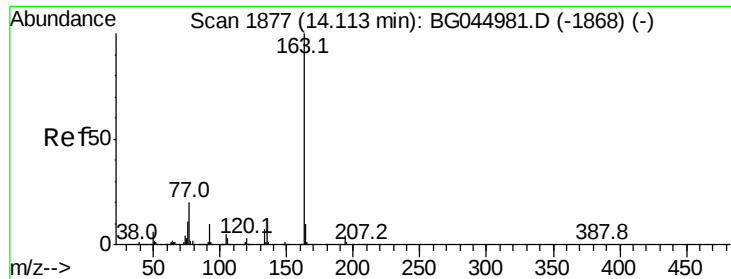
Tot Ion:330 Resp: 543605
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.1 118.7
 141 35.6 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 95.395 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG044998.D
 Acq: 16 Apr 2020 1:35

Tgt Ion:172 Resp: 1504883
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.6 46.0
 170 25.7 20.5 30.7

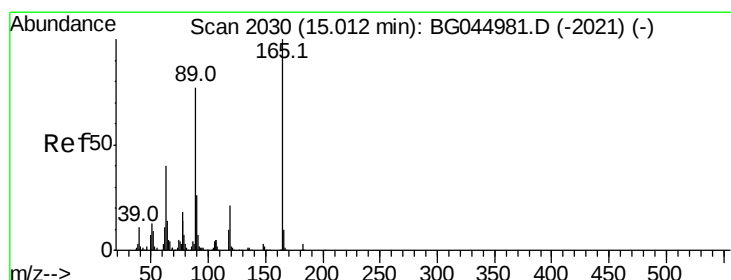
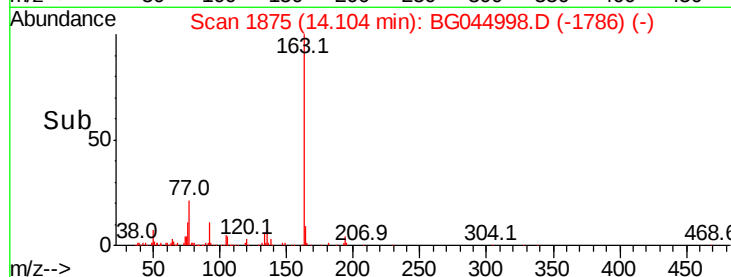
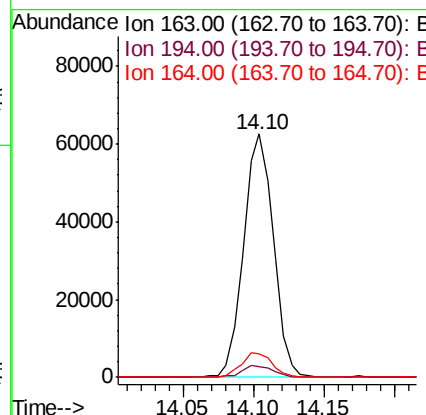
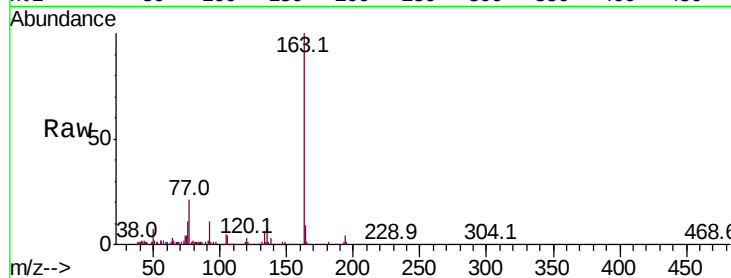




#50
Dimethylphthalate
Concen: 4.905 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG044998.D
Acq: 16 Apr 2020 1:35

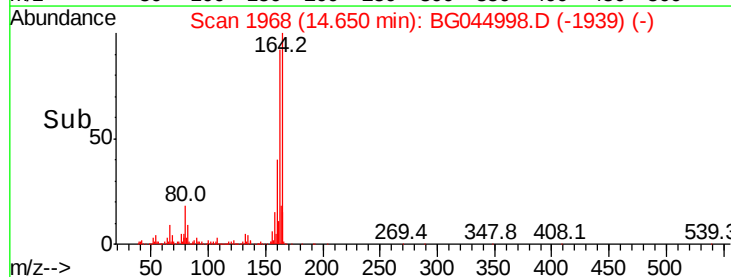
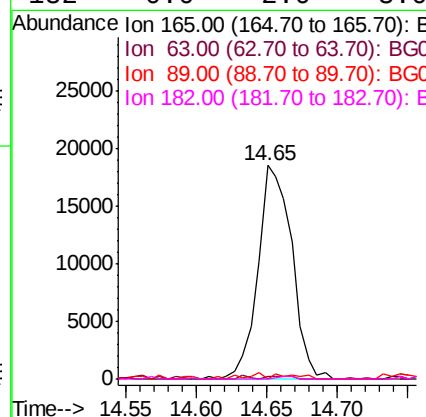
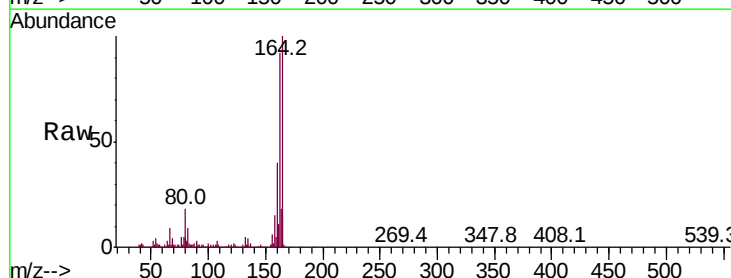
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR-2

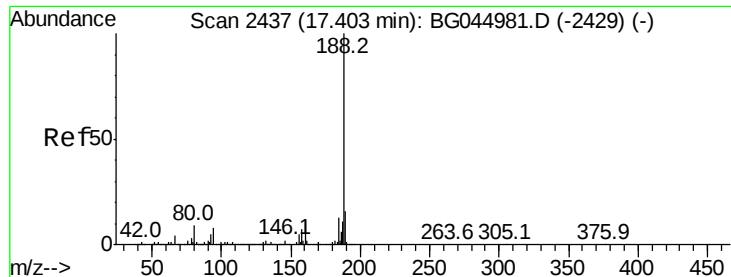
Tot Ion:163 Resp: 92393
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 9.4 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 5.076 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG044998.D
Acq: 16 Apr 2020 1:35

Tgt Ion:165 Resp: 31250
Ion Ratio Lower Upper
165 100
63 1.2 32.2 48.2#
89 0.0 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

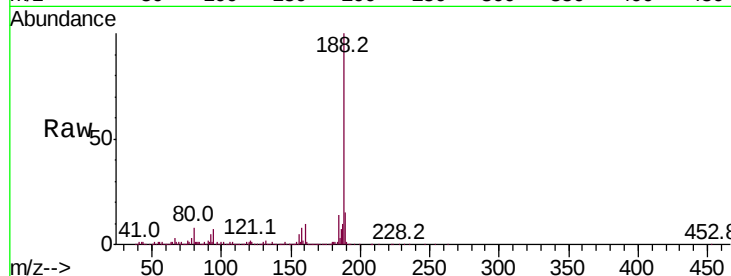
Tot Ion:188 Resp: 543522

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

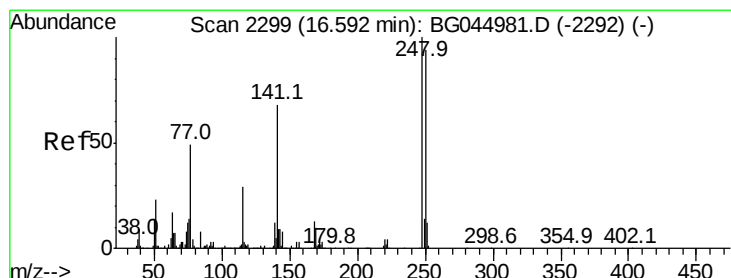
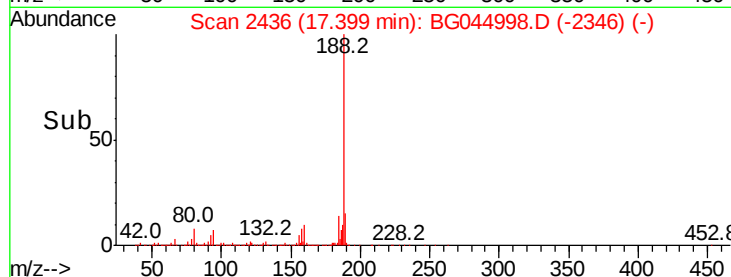
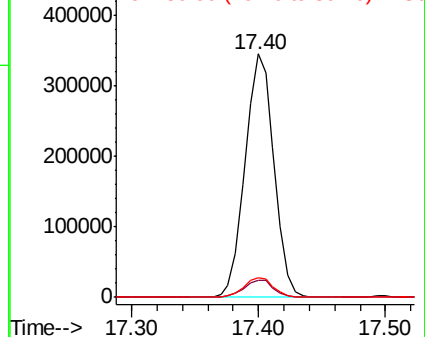
80 8.1 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.379 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

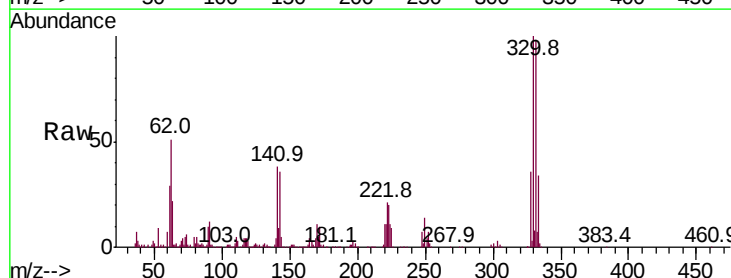
Tgt Ion:248 Resp: 37716

Ion Ratio Lower Upper

248 100

250 195.9 75.4 113.2#

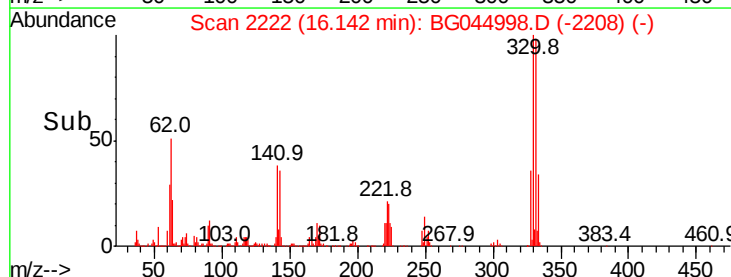
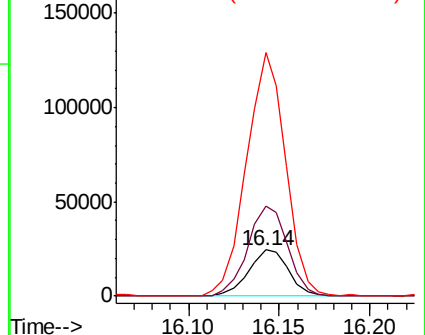
141 529.1 54.4 81.6#

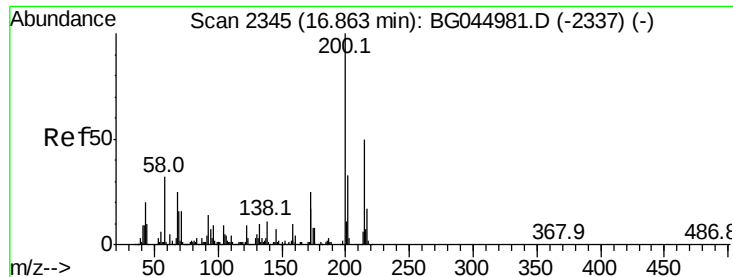


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

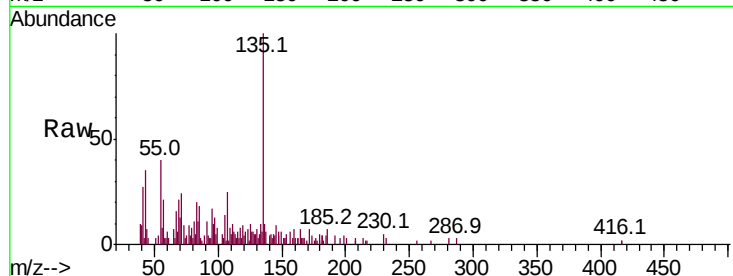
Tot Ion:200 Resp: 97

Ion Ratio Lower Upper

200 100

173 117.5 4.5 44.5#

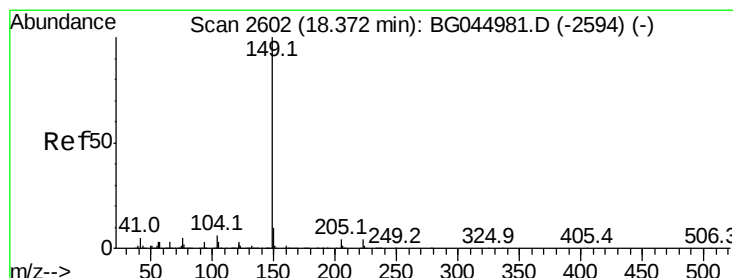
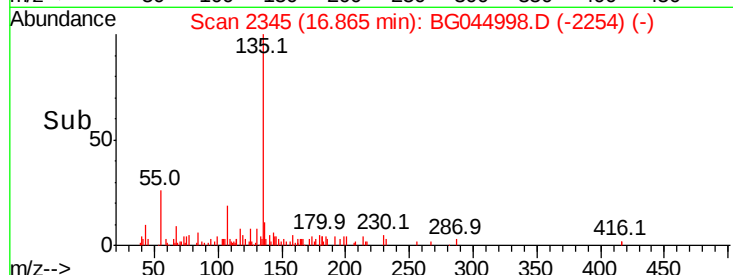
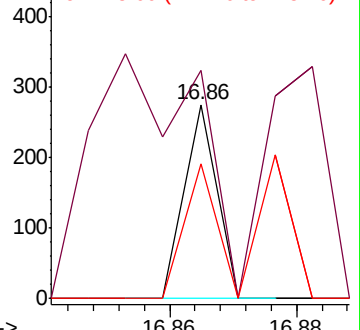
215 69.1 30.0 70.0



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

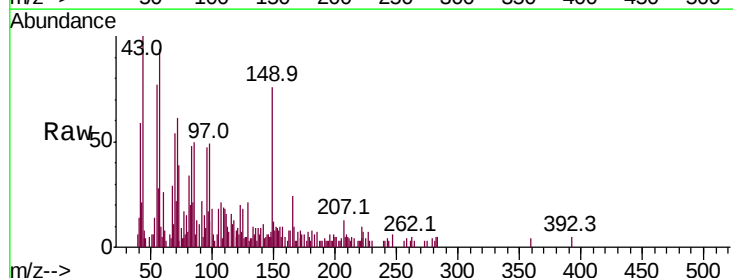
Tgt Ion:149 Resp: 5444

Ion Ratio Lower Upper

149 100

150 15.3 8.2 12.2#

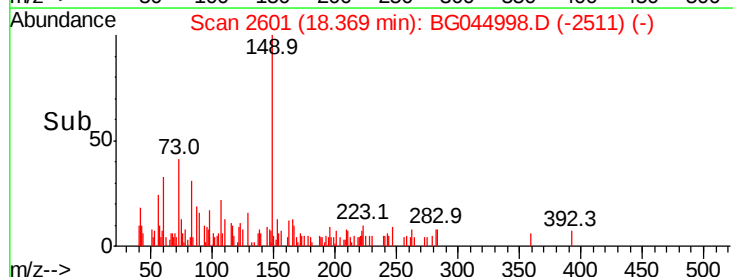
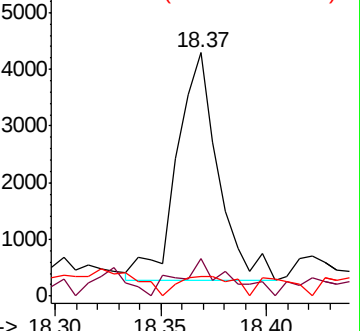
104 8.3 4.8 7.2#

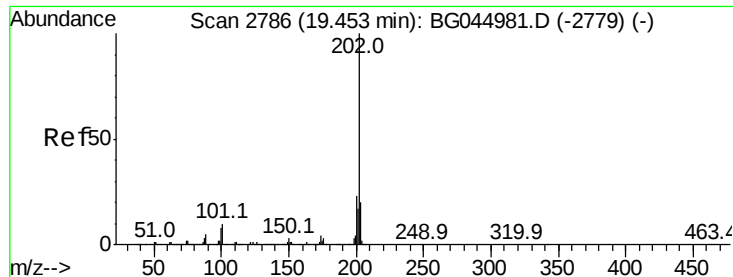


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

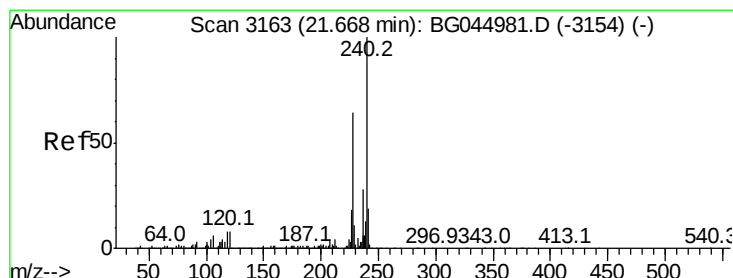
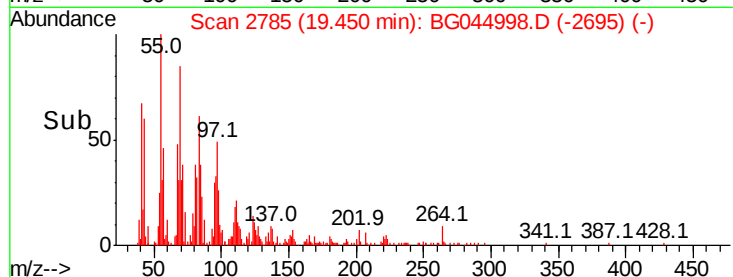
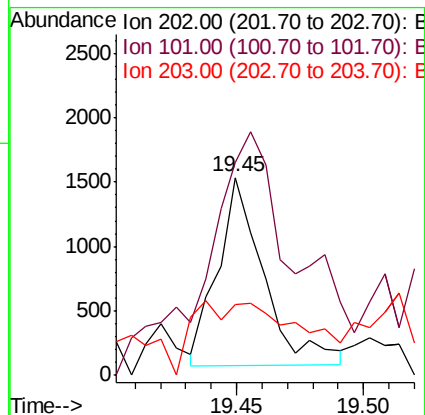
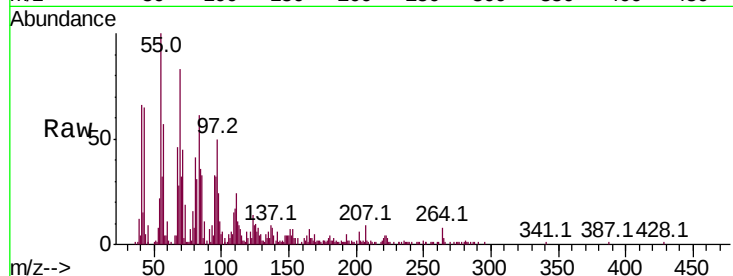
Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

Tot Ion:	202	Resp:	1838
Ion Ratio	Lower	Upper	
202	100		
101	107.7	0.0	29.6#
203	36.0	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

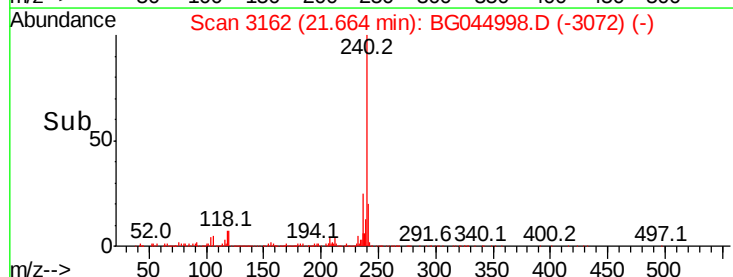
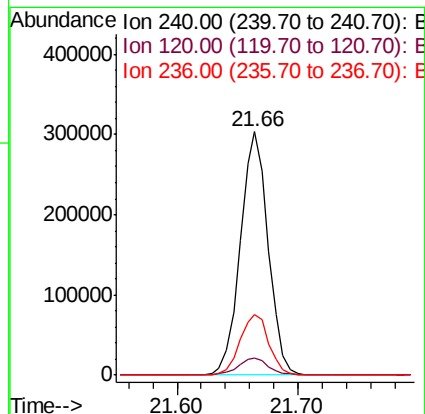
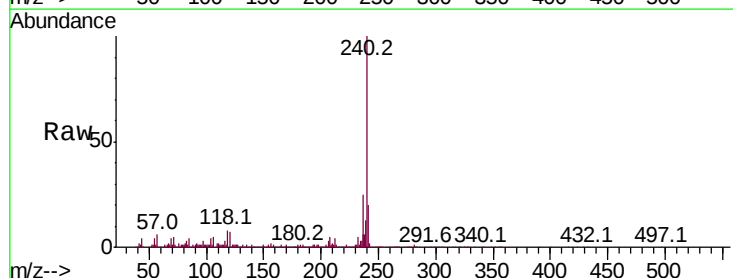
RT: 21.66 min Scan# 3162

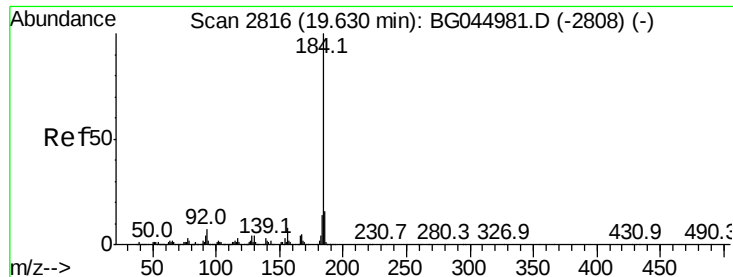
Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Tgt Ion:	240	Resp:	485403
Ion Ratio	Lower	Upper	
240	100		
120	6.9	6.6	10.0
236	24.9	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

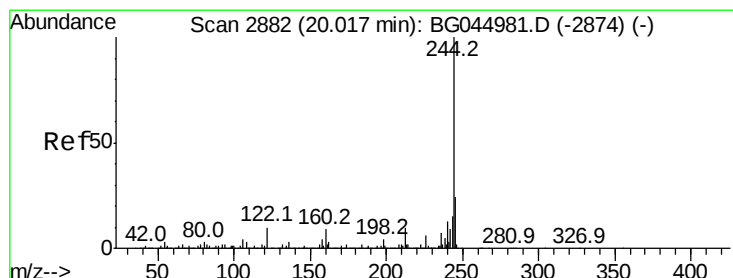
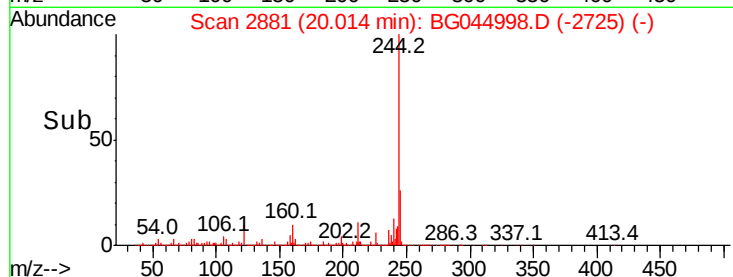
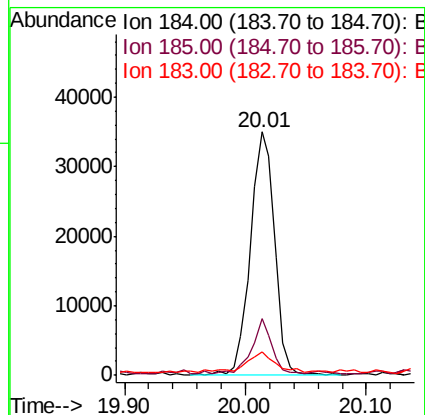
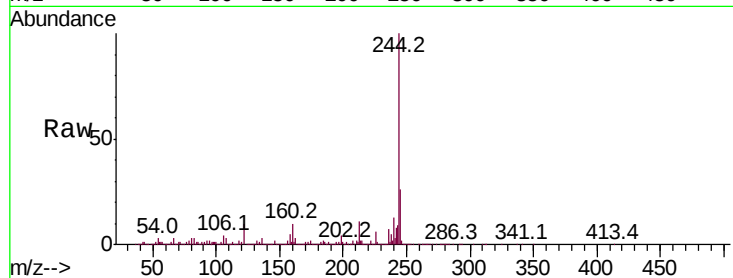
Tot Ion:184 Resp: 49292

Ion Ratio Lower Upper

184 100

185 23.5 12.6 19.0#

183 9.4 11.3 16.9#



#79

Terphenyl-d14

Concen: 106.978 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

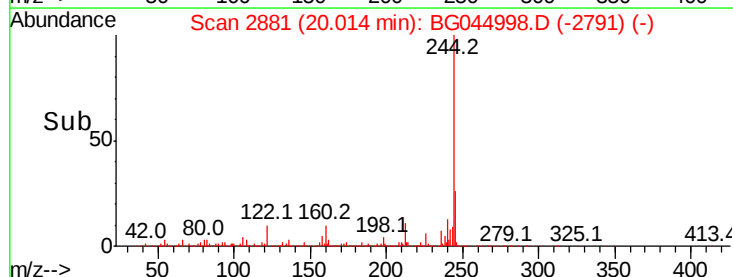
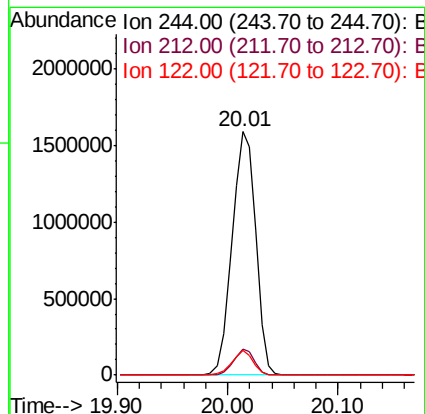
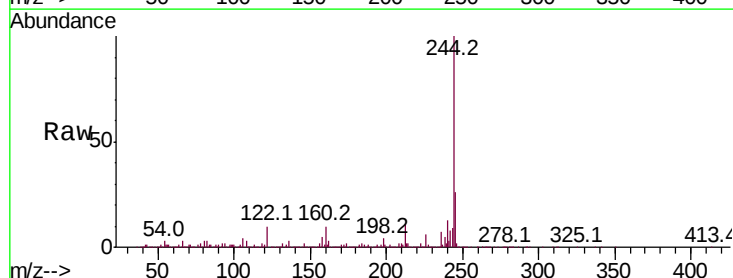
Tgt Ion:244 Resp: 2382475

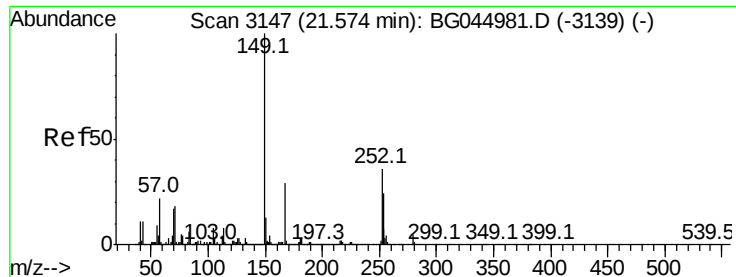
Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

122 9.9 7.7 11.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.523 ng

RT: 21.56 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Instrument :

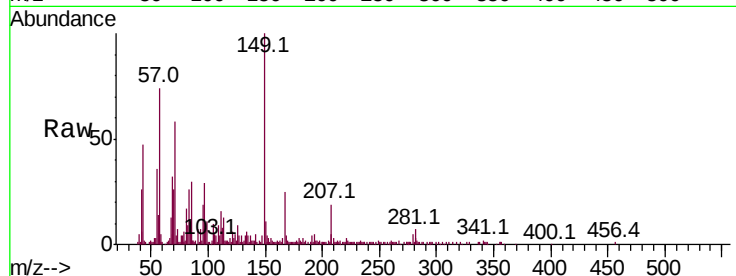
BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-2

Tot Ion:149 Resp: 48137

Ion	Ratio	Lower	Upper
149	100		
167	24.8	23.4	35.0
279	5.1	4.3	6.5

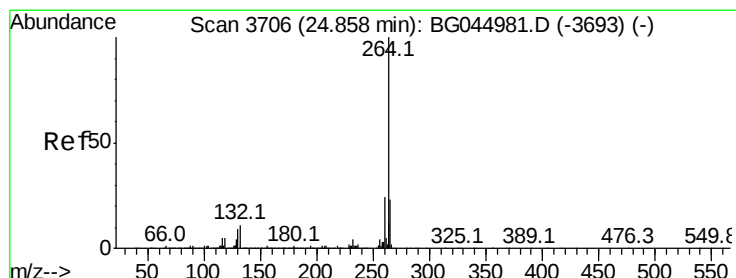
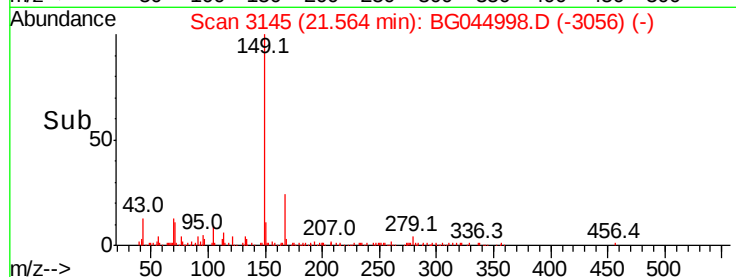
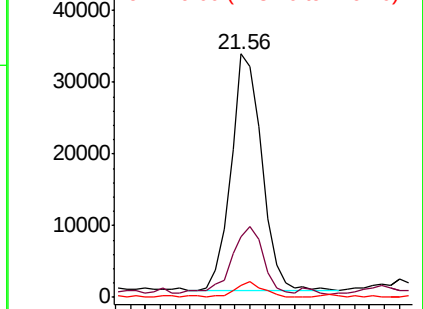


Abundance

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: 24.85 min Scan# 3705

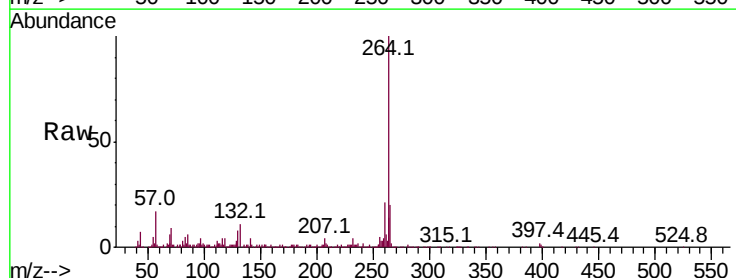
Delta R.T. -0.00 min

Lab File: BG044998.D

Acq: 16 Apr 2020 1:35

Tgt Ion:264 Resp: 516345

Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.2	28.8
265	19.7	19.0	28.4



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

