

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044933.D
 Acq On : 24 Mar 2020 16:49
 Operator : CG/JU
 Sample : L2012-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-GW-03-17

Quant Time: Mar 25 02:33:15 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

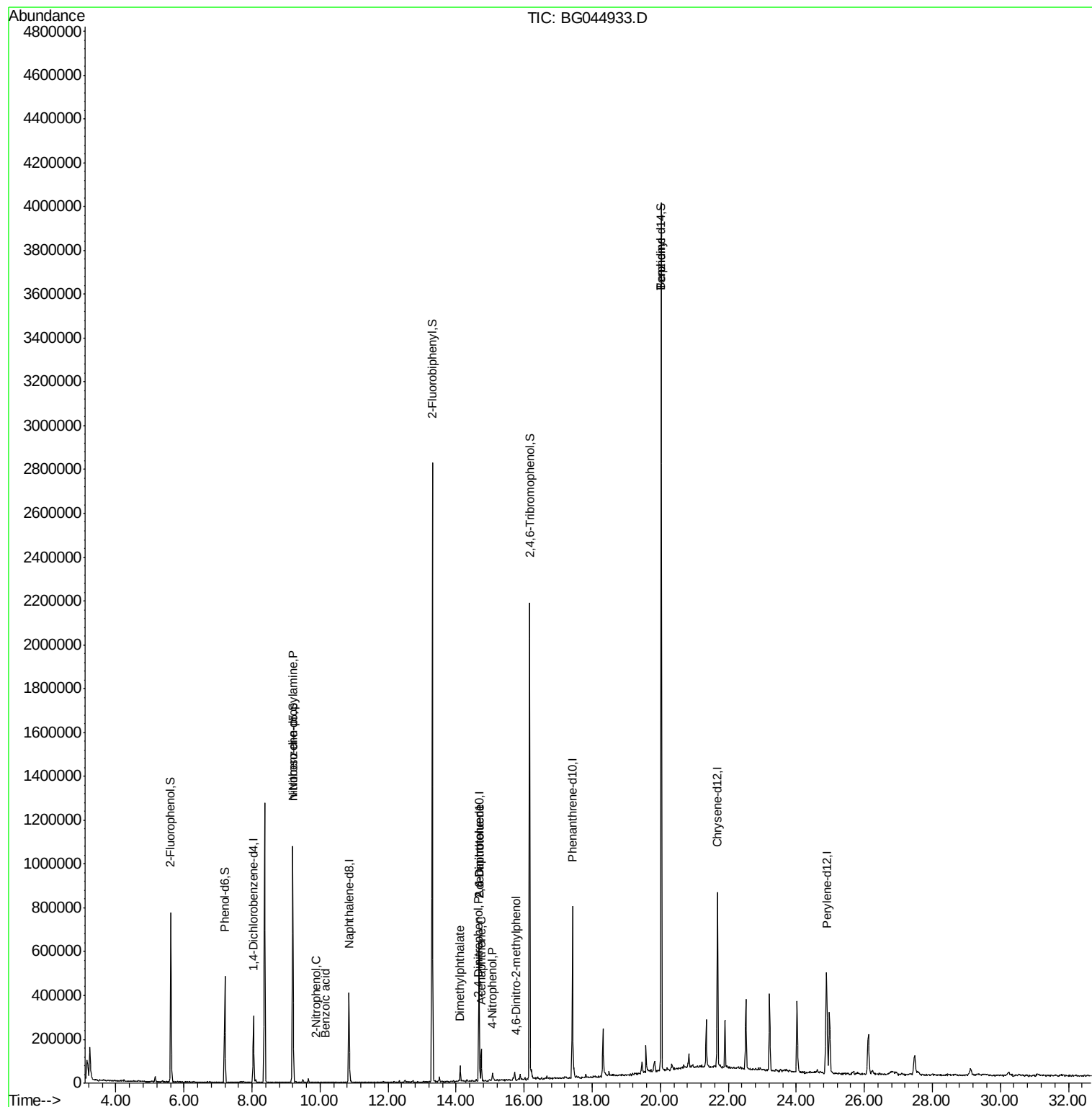
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	90061	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	345454	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	225732	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	494250	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	474675	20.00	ng	-0.02
87) Perylene-d12	24.89	264	513582	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	353948	61.18	ng	0.00
7) Phenol-d6	7.20	99	307470	36.58	ng	0.00
23) Nitrobenzene-d5	9.20	82	694585	88.23	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	436723	147.76	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1477163	93.71	ng	0.00
79) Terphenyl-d14	20.03	244	1988103	78.35	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	57	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	91725	15.45	ng	# 77
26) 2-Nitrophenol	9.90	139	56	5.53	ng	# 28
32) Benzoic acid	10.14	122	63	9.68	ng	# 1
50) Dimethylphthalate	14.12	163	45492	2.53	ng	99
51) 2,6-Dinitrotoluene	14.67	165	29812	8.23	ng	# 22
52) Acenaphthene	14.73	154	55089	3.90	ng	95
54) 2,4-Dinitrophenol	14.65	184	54	8.35	ng	# 21
56) 4-Nitrophenol	15.07	139	8186	2.57	ng	# 4
57) 2,4-Dinitrotoluene	14.67	165	29812	6.00	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.75	198	89	7.76	ng	# 1
77) Benzidine	20.03	184	40036	2.60	ng	# 92

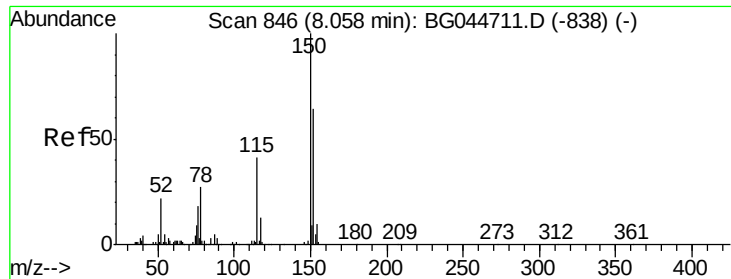
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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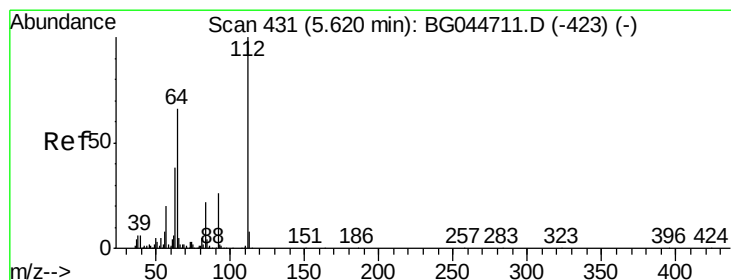
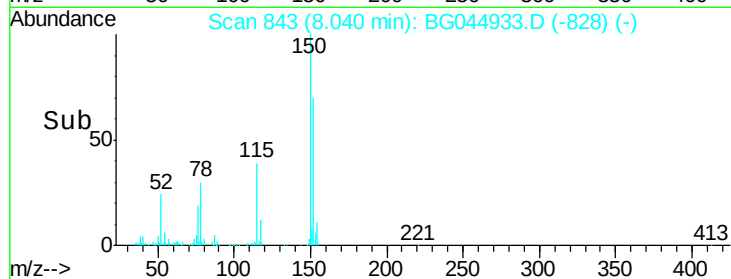
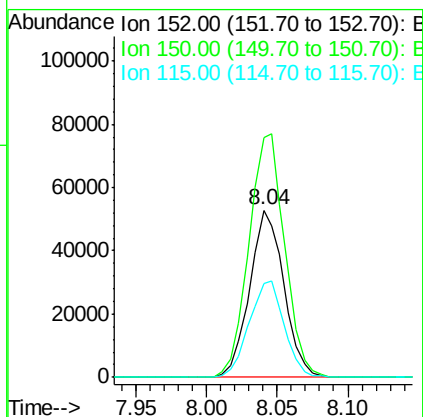
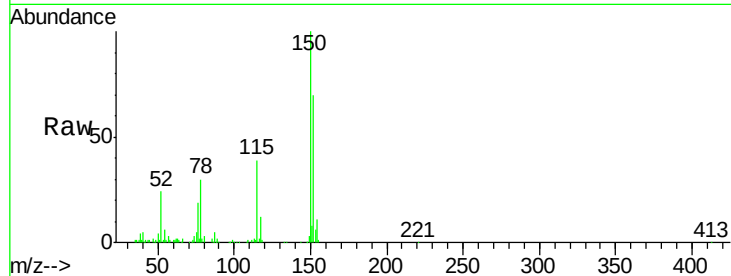


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-GW-03-17

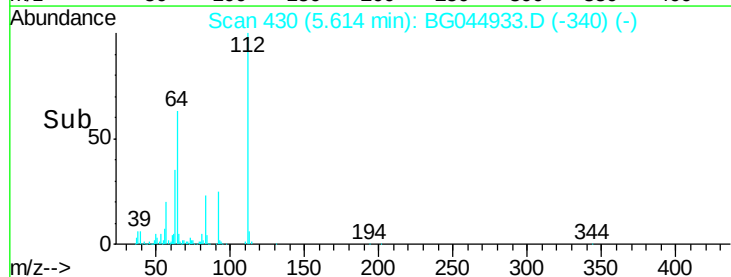
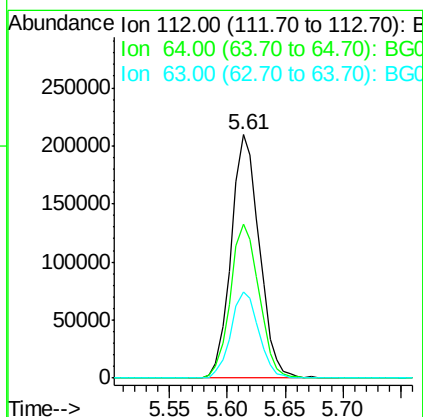
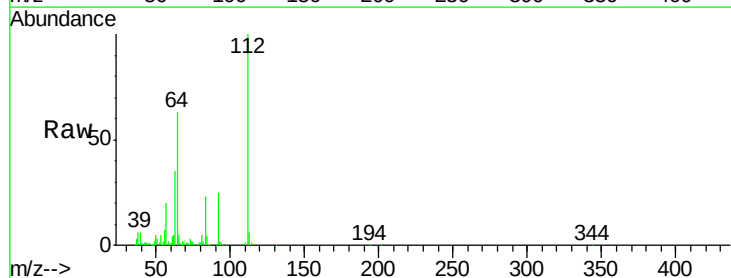
Tgt Ion:152 Resp: 90061
 Ion Ratio Lower Upper
 152 100
 150 143.7 128.8 193.2
 115 55.8 52.6 79.0

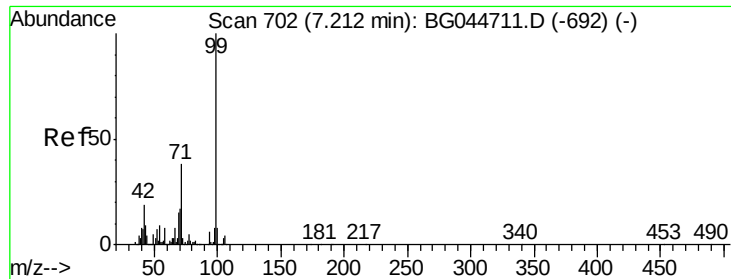


#5

2-Fluorophenol
 Concen: 61.18 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

Tgt Ion:112 Resp: 353948
 Ion Ratio Lower Upper
 112 100
 64 63.0 53.4 80.2
 63 35.3 29.4 44.2





#7

Phenol-d6

Concen: 36.58 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

Instrument :

BNA_G

ClientSampleId :

GHD1-GW-03-17

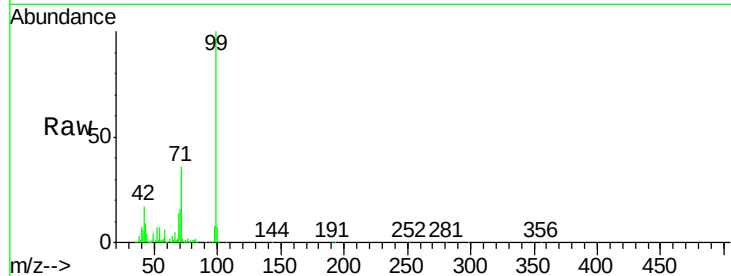
Tgt Ion: 99 Resp: 307470

Ion Ratio Lower Upper

99 100

42 16.7 12.6 19.0

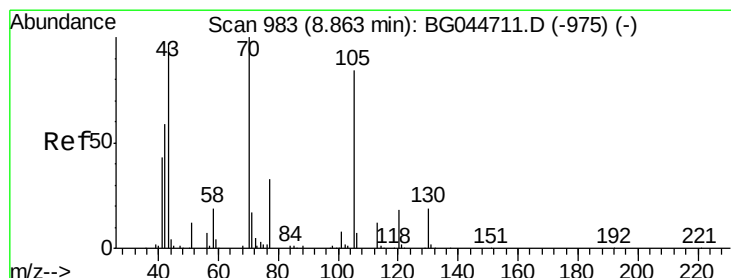
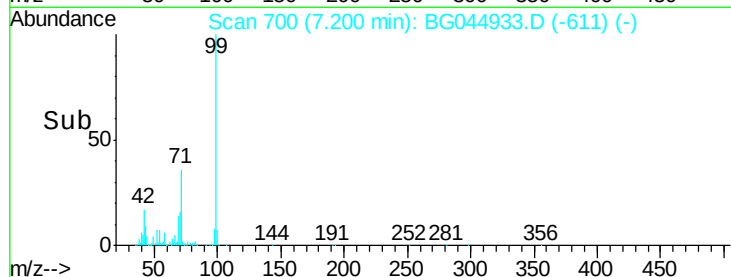
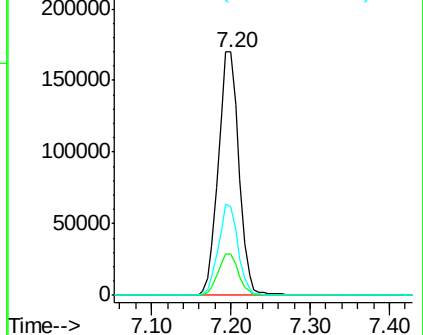
71 36.5 29.0 43.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.45 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

Tgt Ion: 70 Resp: 91725

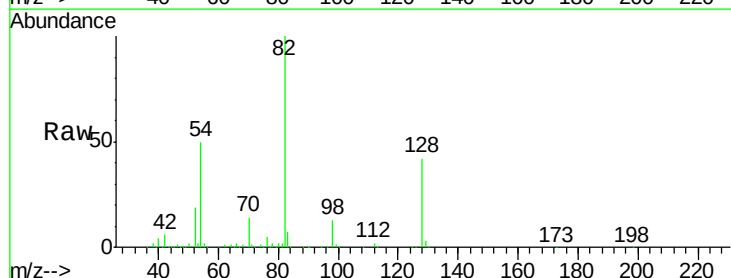
Ion Ratio Lower Upper

70 100

42 43.7 45.7 68.5#

101 0.0 7.4 11.2#

130 2.7 15.9 23.9#

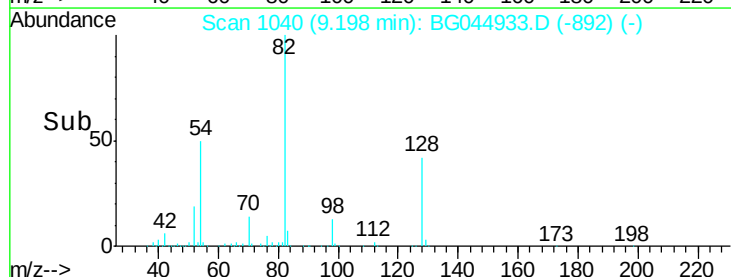
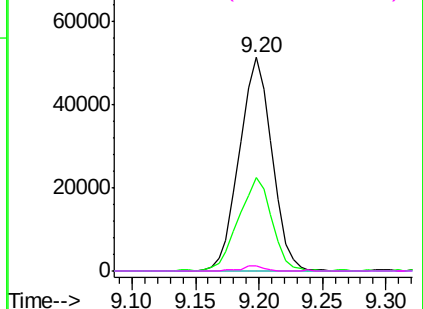


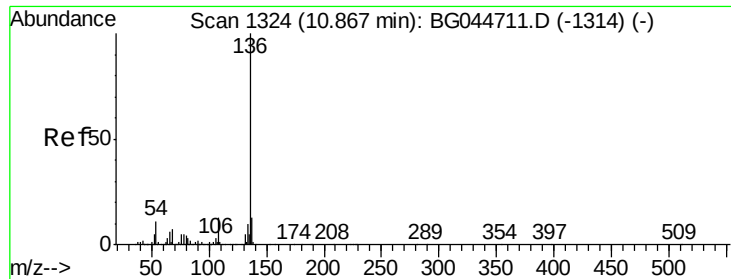
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

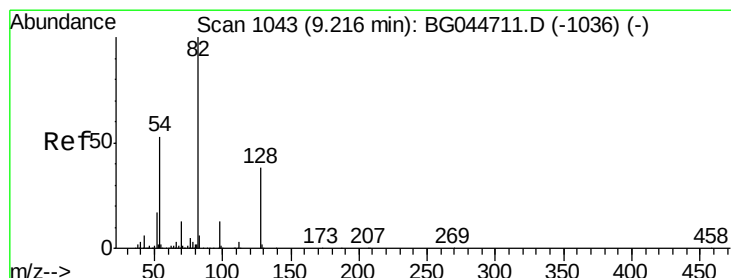
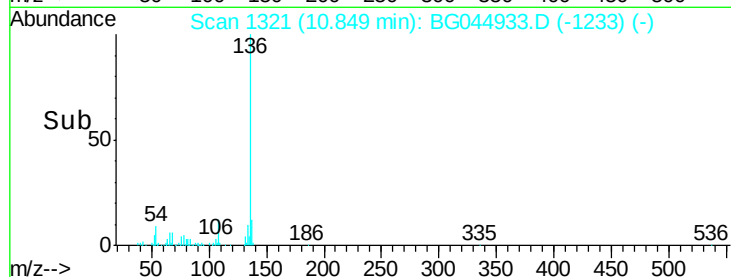
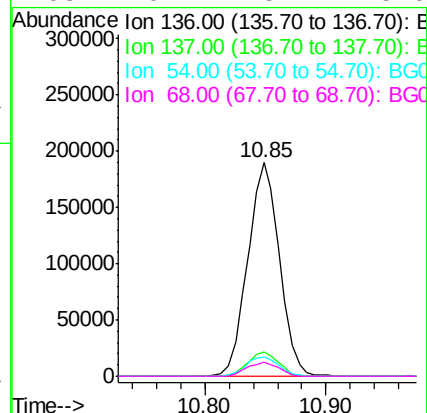
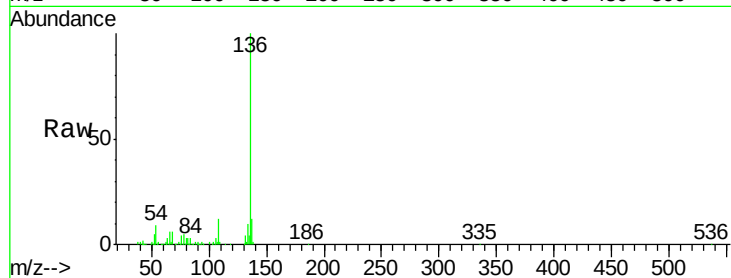




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

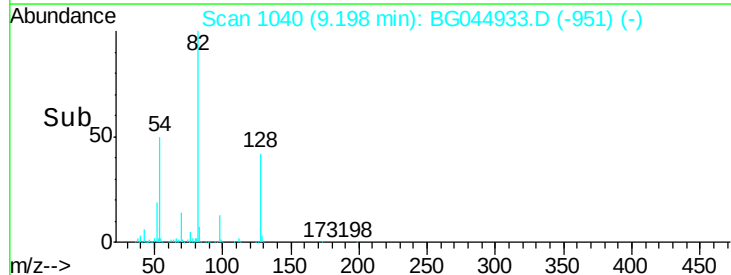
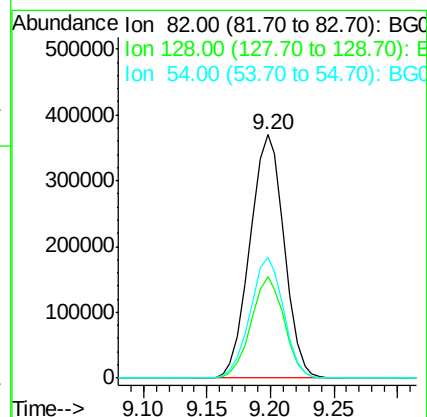
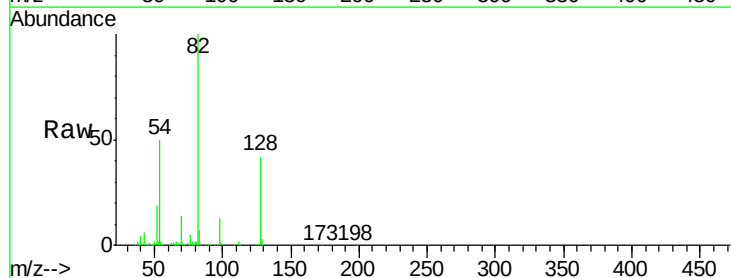
Instrument :
BNA_G
ClientSampleId :
GHD1-GW-03-17

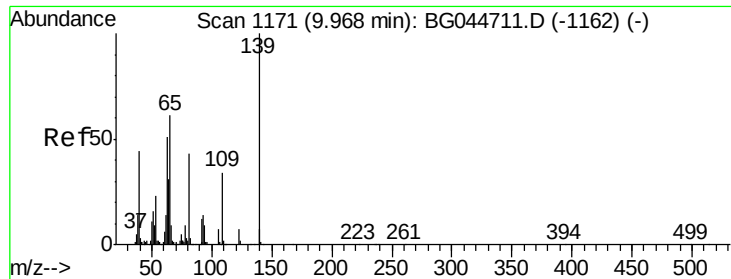
Tgt Ion:	136	Resp:	345454
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.6
54	8.7	7.9	11.9
68	6.4	5.4	8.0



#23
Nitrobenzene-d5
Concen: 88.23 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

Tgt Ion:	82	Resp:	694585
Ion	Ratio	Lower	Upper
82	100		
128	41.7	30.6	46.0
54	49.8	37.1	55.7

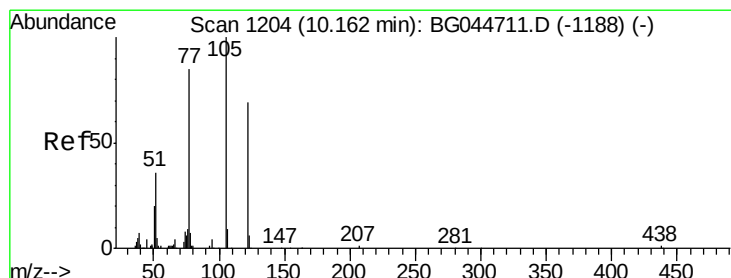
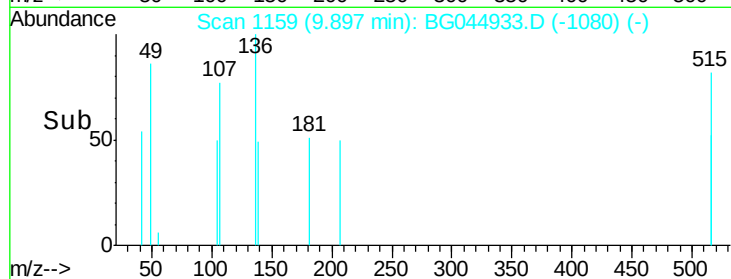
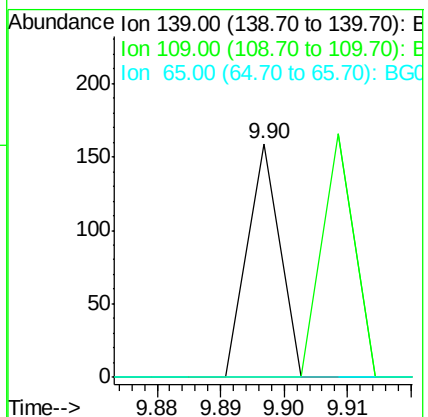
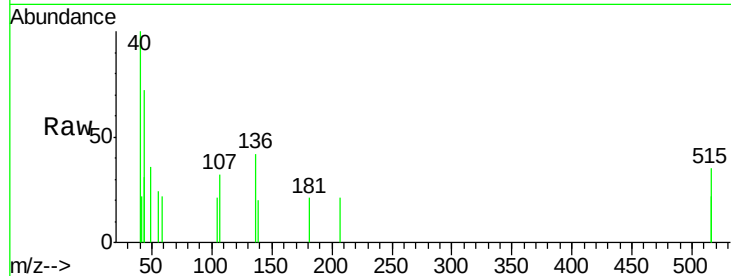




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.90 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

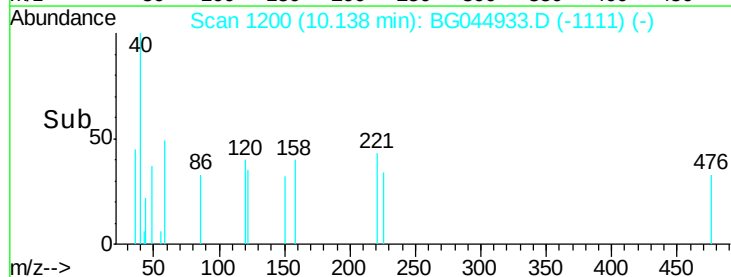
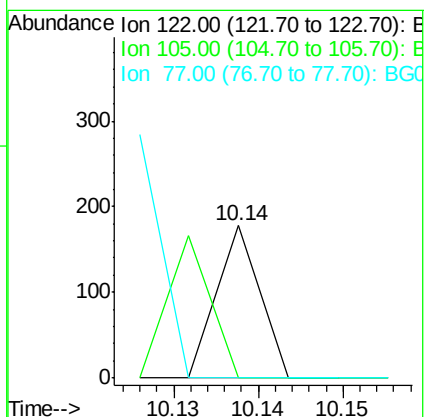
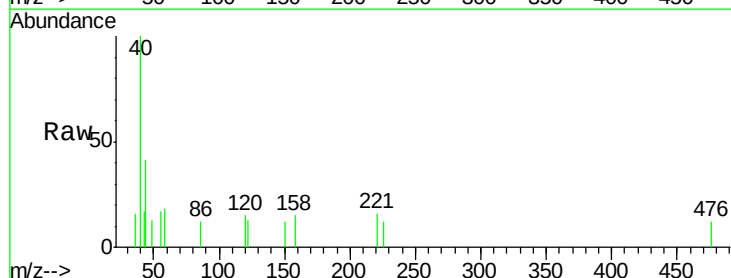
Instrument :
BNA_G
ClientSampleId :
GHD1-GW-03-17

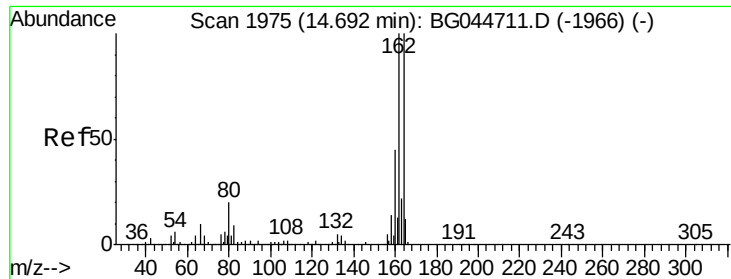
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.68 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

Instrument :

BNA_G

ClientSampleId :

GHD1-GW-03-17

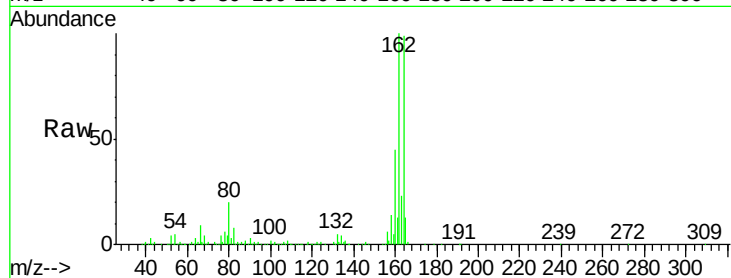
Tgt Ion:164 Resp: 225732

Ion Ratio Lower Upper

164 100

162 100.6 76.7 115.1

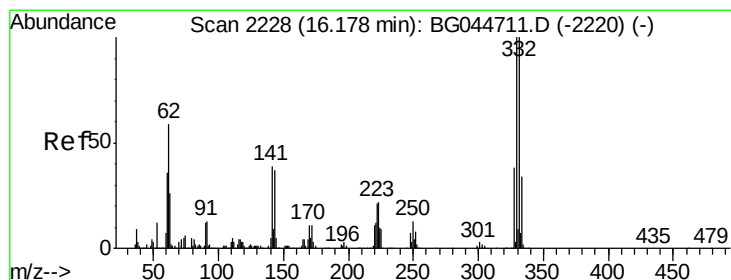
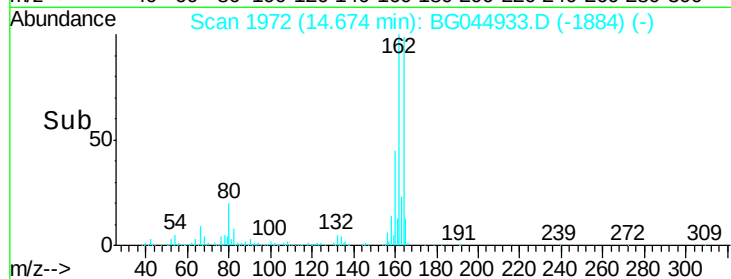
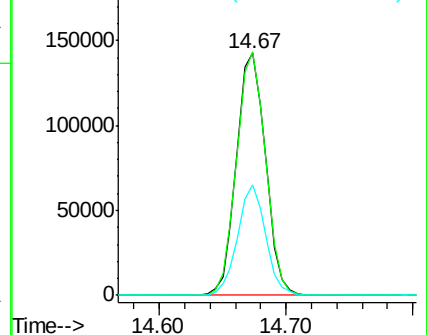
160 45.6 35.0 52.4



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: 147.76 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

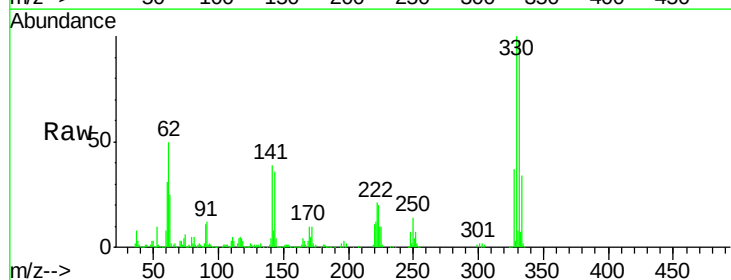
Tgt Ion:330 Resp: 436723

Ion Ratio Lower Upper

330 100

332 98.4 77.8 116.6

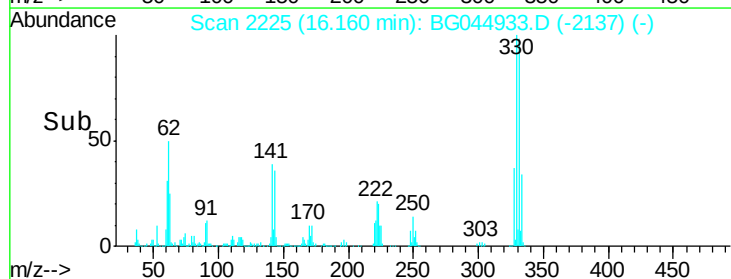
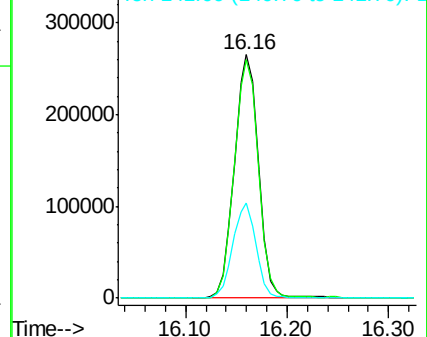
141 37.5 29.5 44.3

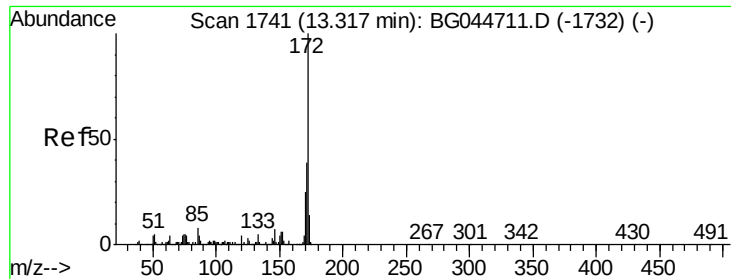


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

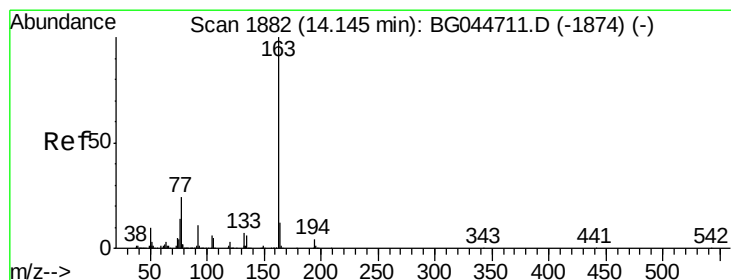
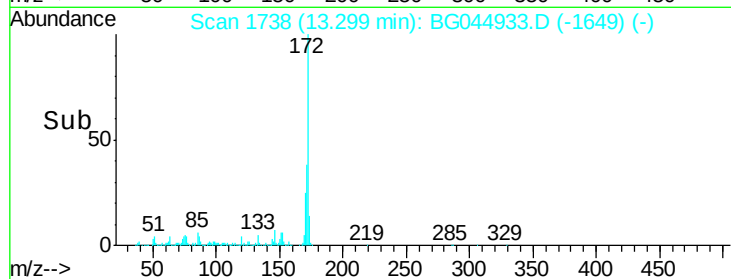
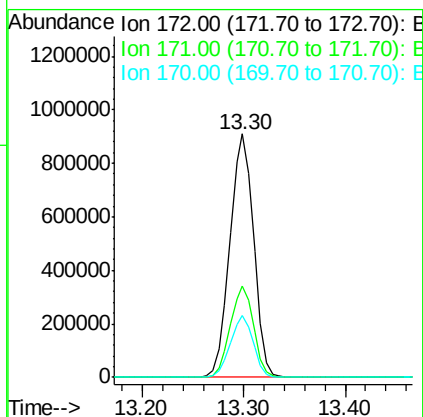
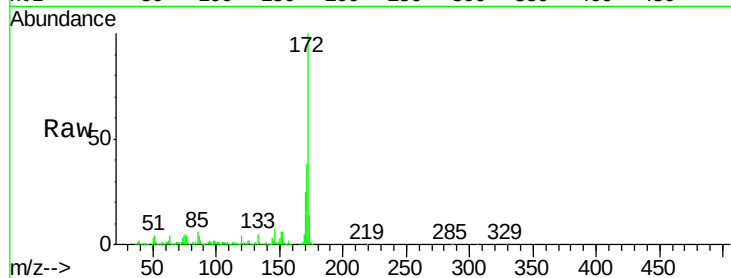




#45
2-Fluorobiphenyl
Concen: 93.71 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

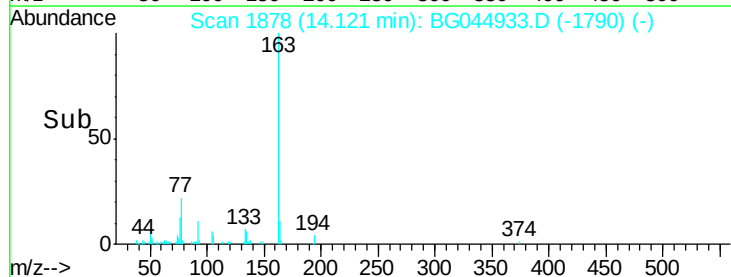
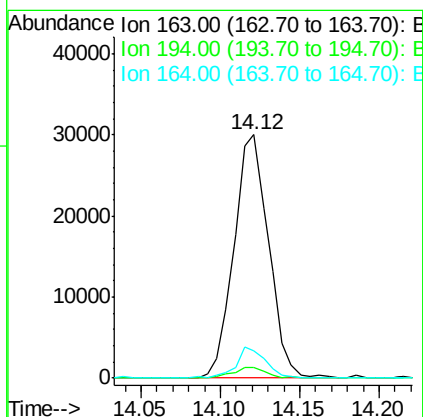
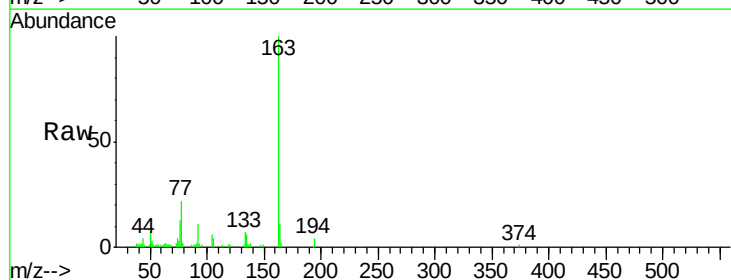
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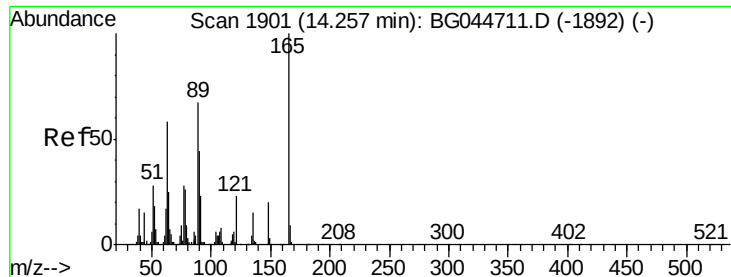
Tgt Ion:172 Resp: 1477163
Ion Ratio Lower Upper
172 100
171 37.7 28.7 43.1
170 25.3 19.0 28.6



#50
Dimethylphthalate
Concen: 2.53 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

Tgt Ion:163 Resp: 45492
Ion Ratio Lower Upper
163 100
194 4.2 3.7 5.5
164 11.1 9.1 13.7

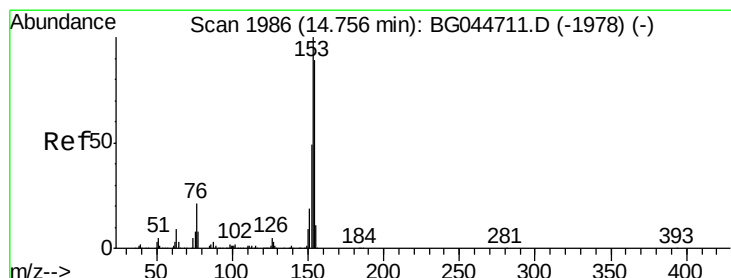
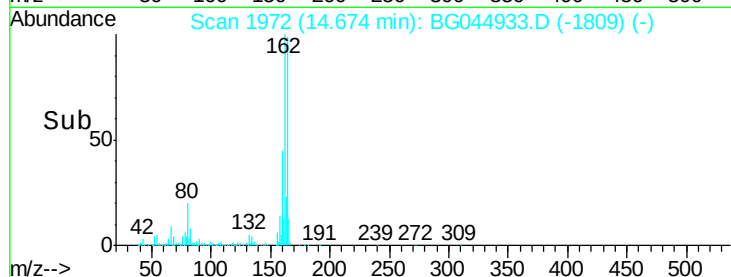
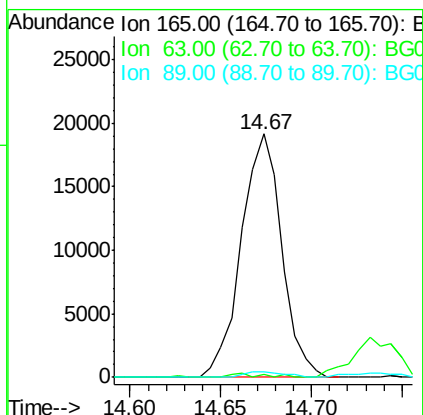
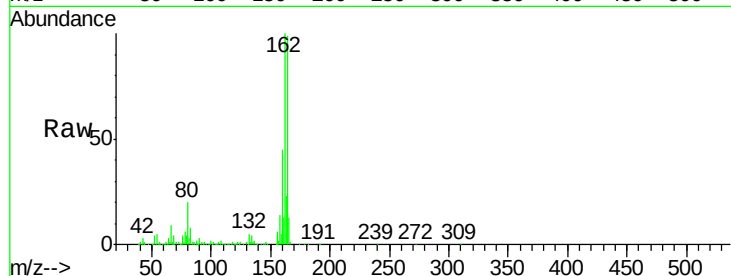




#51
 2,6-Dinitrotoluene
 Concen: 8.23 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

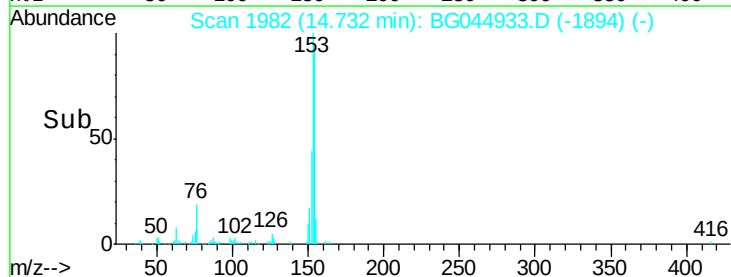
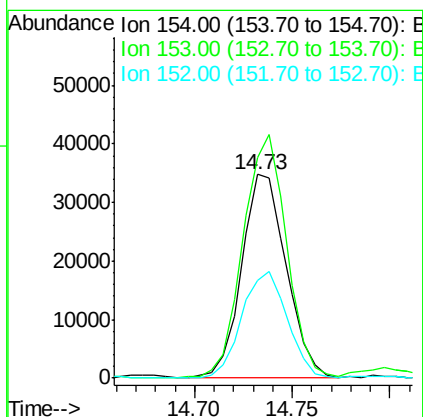
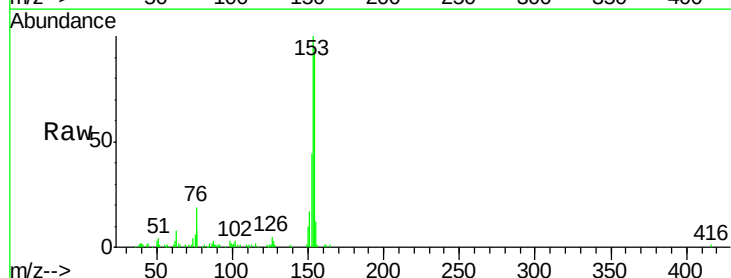
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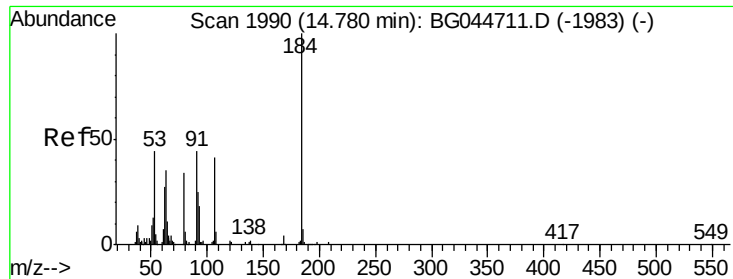
Tgt Ion:165 Resp: 29812
 Ion Ratio Lower Upper
 165 100
 63 1.4 45.8 68.8#
 89 2.1 51.8 77.6#



#52
 Acenaphthene
 Concen: 3.90 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

Tgt Ion:154 Resp: 55089
 Ion Ratio Lower Upper
 154 100
 153 108.1 89.0 133.6
 152 47.8 43.0 64.6

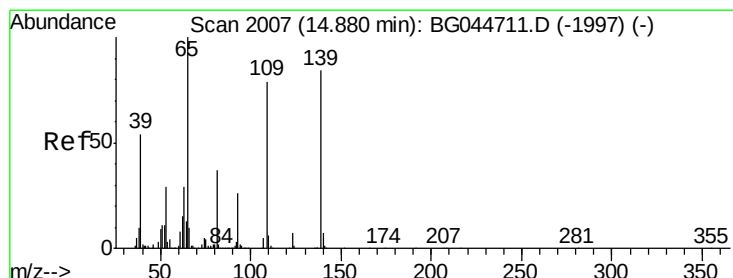
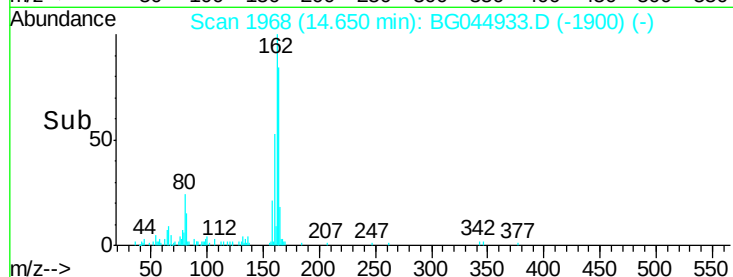
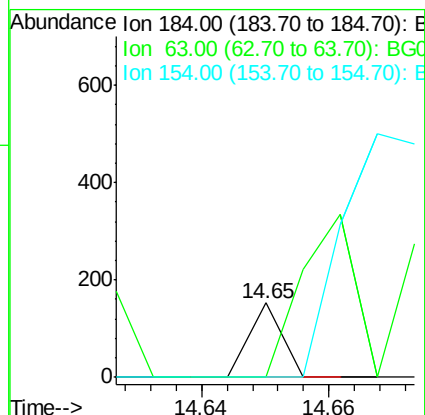
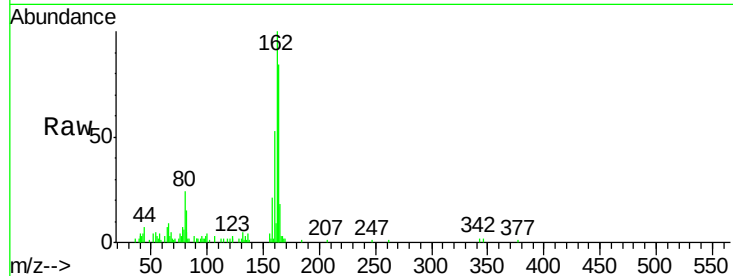




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.13 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

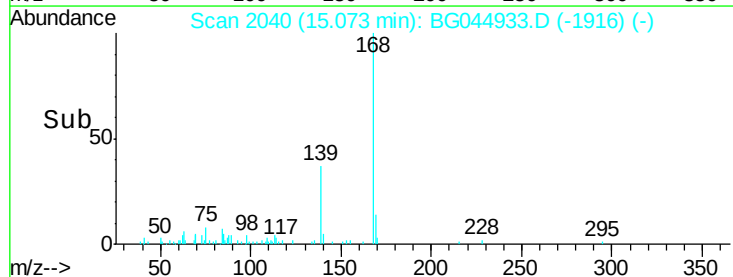
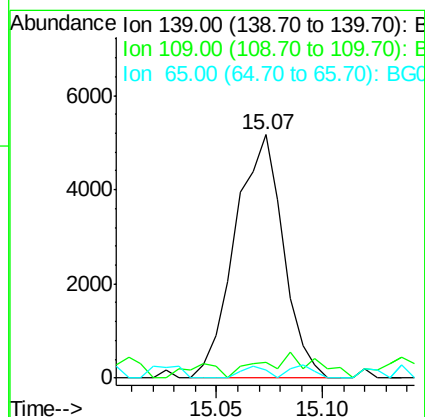
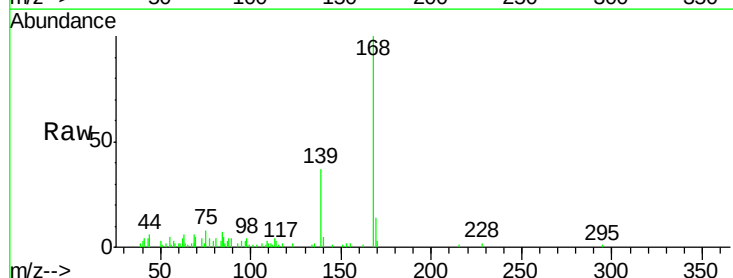
Instrument :
BNA_G
ClientSampleId :
GHD1-GW-03-17

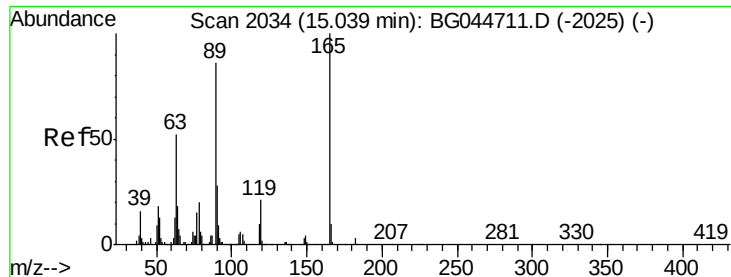
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#56
4-Nitrophenol
Concen: 2.57 ng
RT: 15.07 min Scan# 2040
Delta R.T. 0.20 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

Tgt Ion:139 Resp: 8186
Ion Ratio Lower Upper
139 100
109 6.7 68.8 108.8#
65 3.1 92.5 132.5#





#57

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

Instrument :

BNA_G

ClientSampleId :

GHD1-GW-03-17

Tgt Ion:165 Resp: 29812

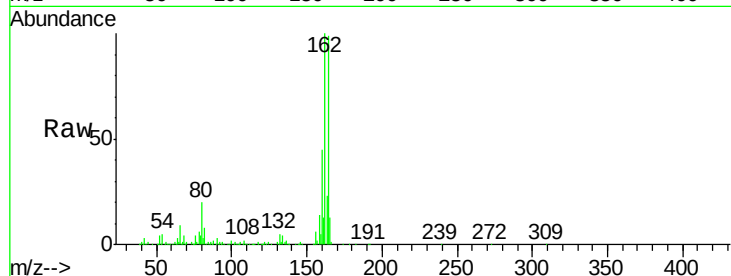
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 2.1 61.3 91.9#

182 0.8 2.2 3.2#

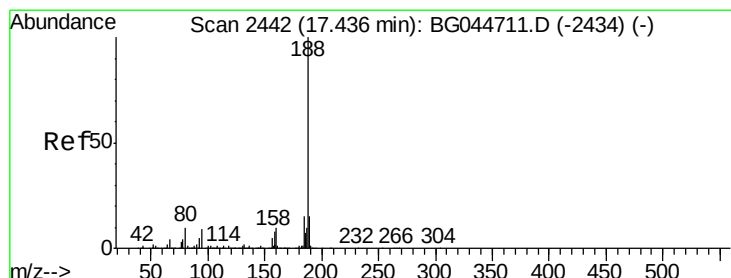
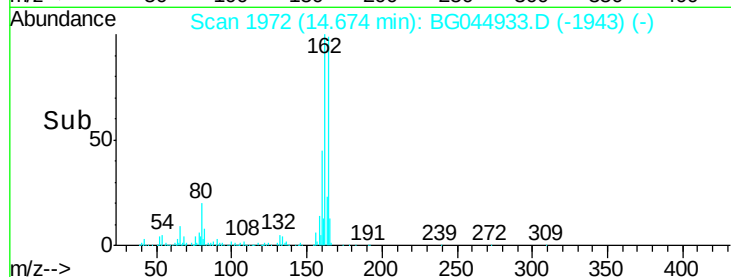
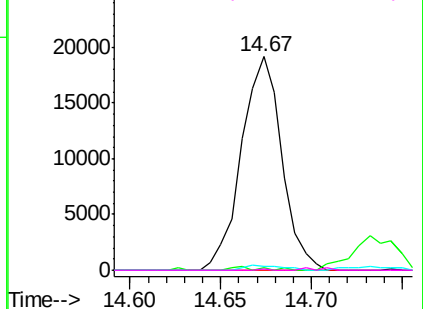


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

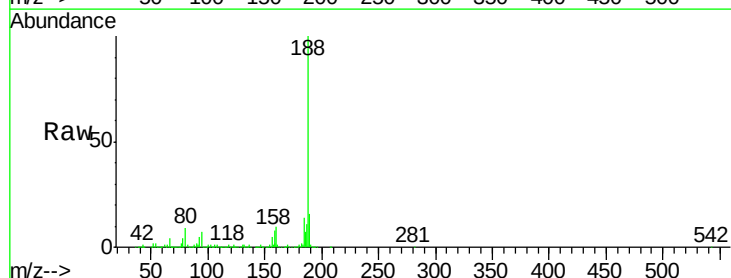
Tgt Ion:188 Resp: 494250

Ion Ratio Lower Upper

188 100

94 7.3 7.3 10.9

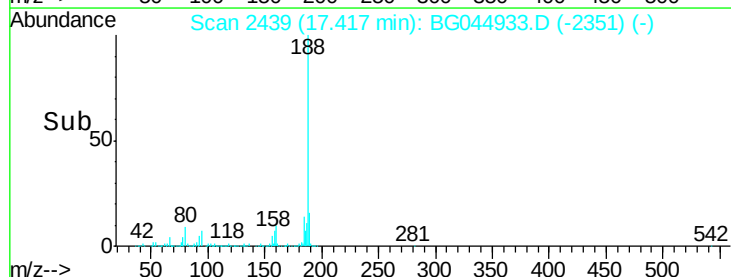
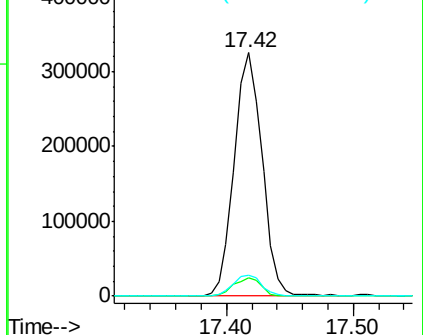
80 8.7 8.0 12.0

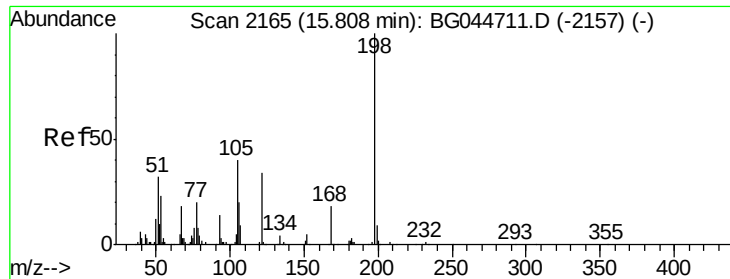


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

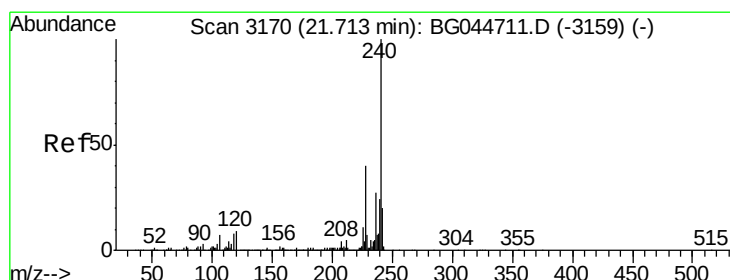
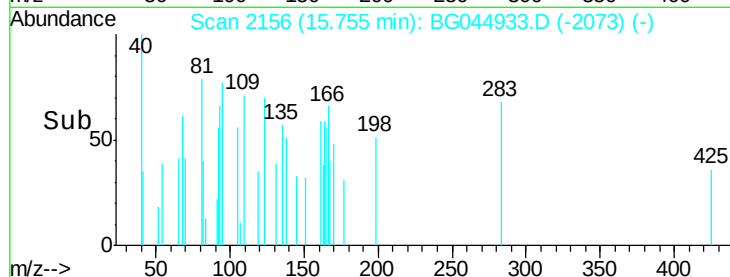
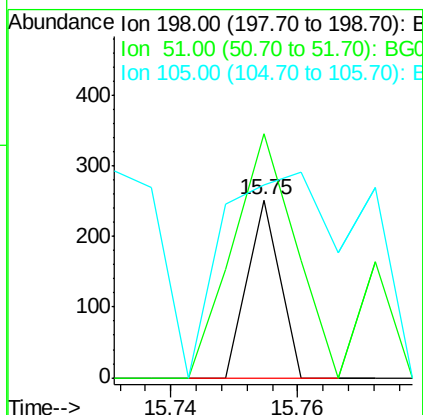
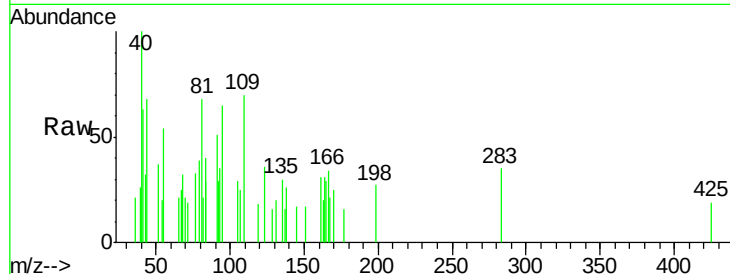




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.76 ng
 RT: 15.75 min Scan# 2156
 Delta R.T. -0.04 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

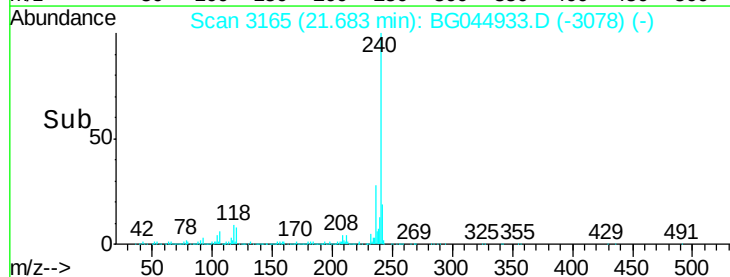
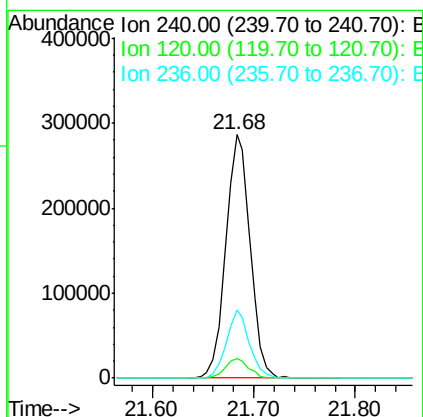
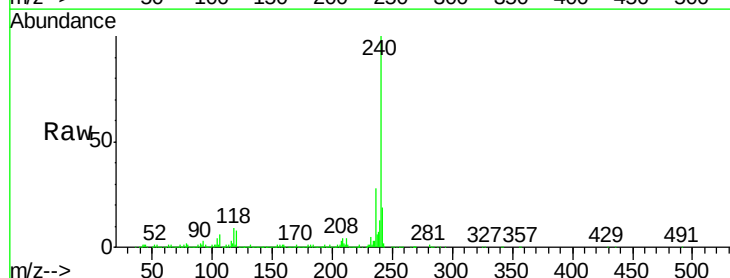
Instrument :
 BNA_G
 ClientSampleId :
 GHD1-GW-03-17

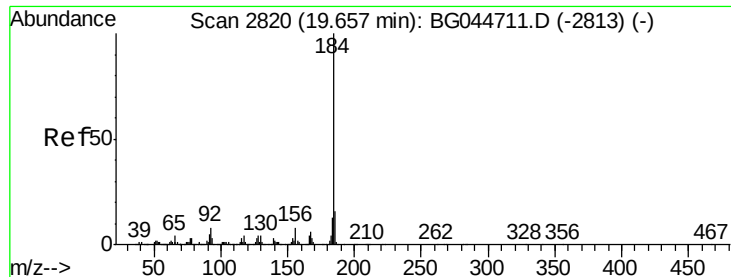
Tgt Ion:198 Resp: 89
 Ion Ratio Lower Upper
 198 100
 51 137.3 21.1 61.1#
 105 108.3 24.5 64.5#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044933.D
 Acq: 24 Mar 2020 16:49

Tgt Ion:240 Resp: 474675
 Ion Ratio Lower Upper
 240 100
 120 7.8 6.7 10.1
 236 28.1 21.5 32.3





#77

Benzidine

Concen: 2.60 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

Instrument :

BNA_G

ClientSampleId :

GHD1-GW-03-17

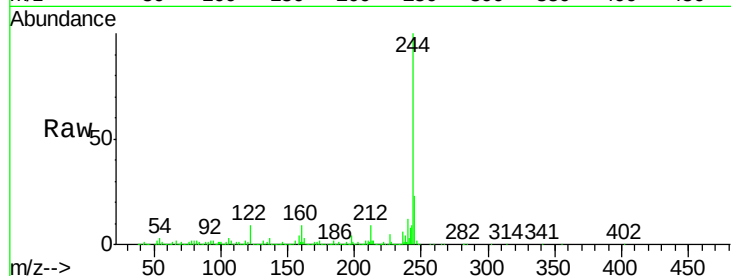
Tgt Ion:184 Resp: 40036

Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.4

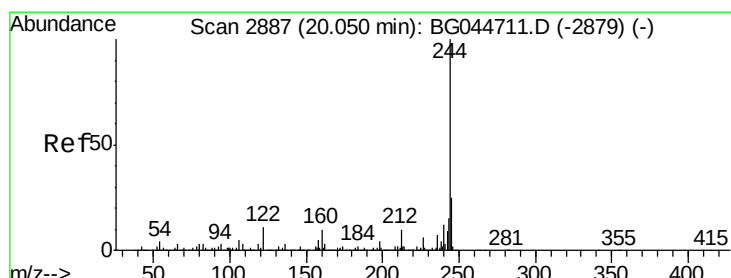
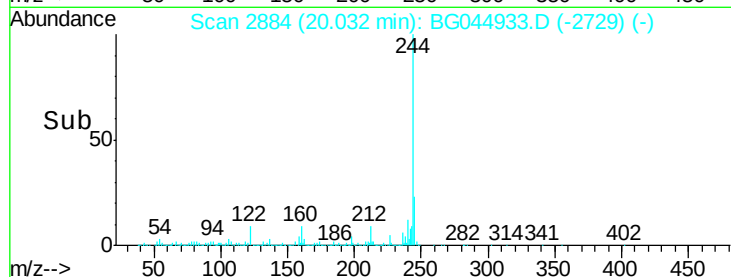
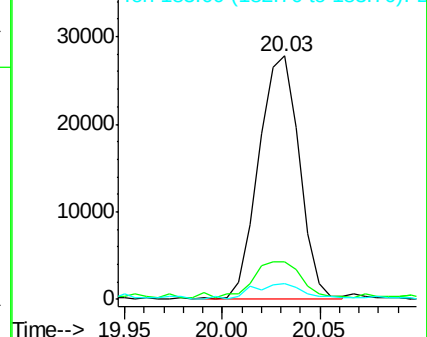
183 6.7 10.7 16.1#



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: 78.35 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044933.D

Acq: 24 Mar 2020 16:49

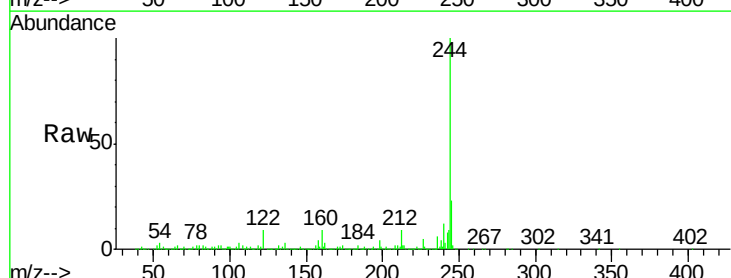
Tgt Ion:244 Resp: 1988103

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

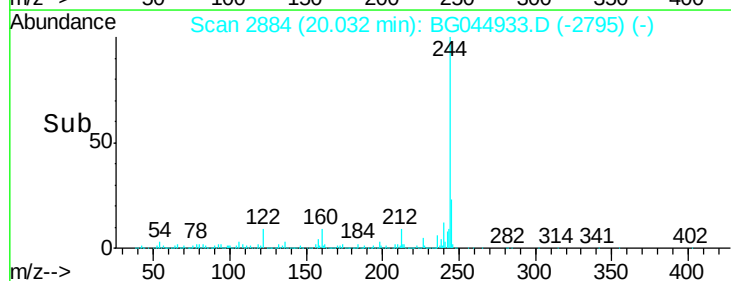
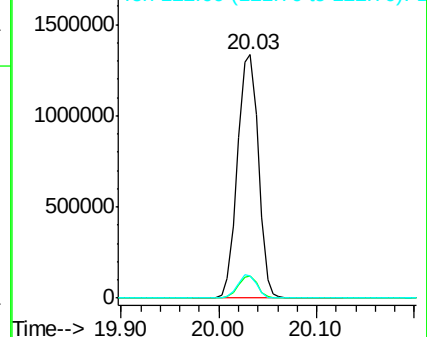
122 9.2 8.6 12.8

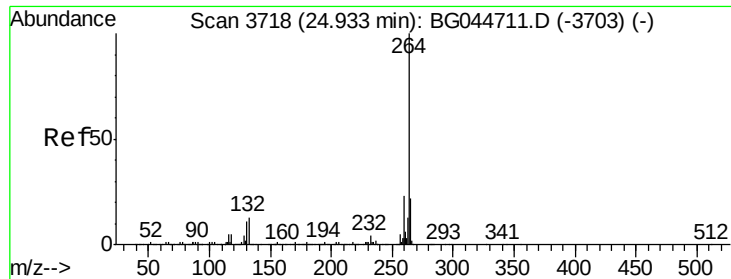


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

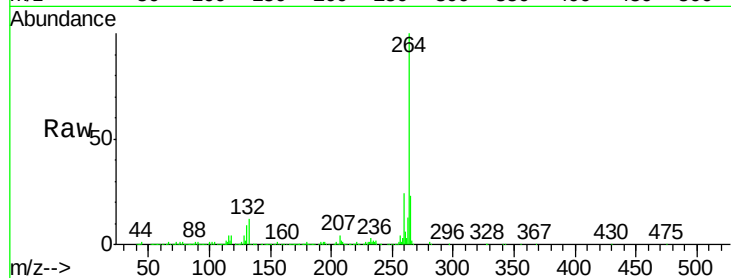




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044933.D
Acq: 24 Mar 2020 16:49

Instrument :
BNA_G
ClientSampleId :
GHD1-GW-03-17

Tgt Ion:	264	Resp:	513582
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	23.4	17.1	25.7



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

