

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044952.D
 Acq On : 25 Mar 2020 6:36
 Operator : CG/JU
 Sample : L2011-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-SB-01

Quant Time: Mar 25 08:10:15 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	85110	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	328579	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	219996	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	502170	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	492908	20.00	ng	-0.02
87) Perylene-d12	24.88	264	524267	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	648158	118.55	ng	0.00
7) Phenol-d6	7.20	99	826081	103.99	ng	0.00
23) Nitrobenzene-d5	9.20	82	650040	86.81	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	414900	144.04	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1360664	88.57	ng	0.00
79) Terphenyl-d14	20.03	244	2231201	84.67	ng	0.00

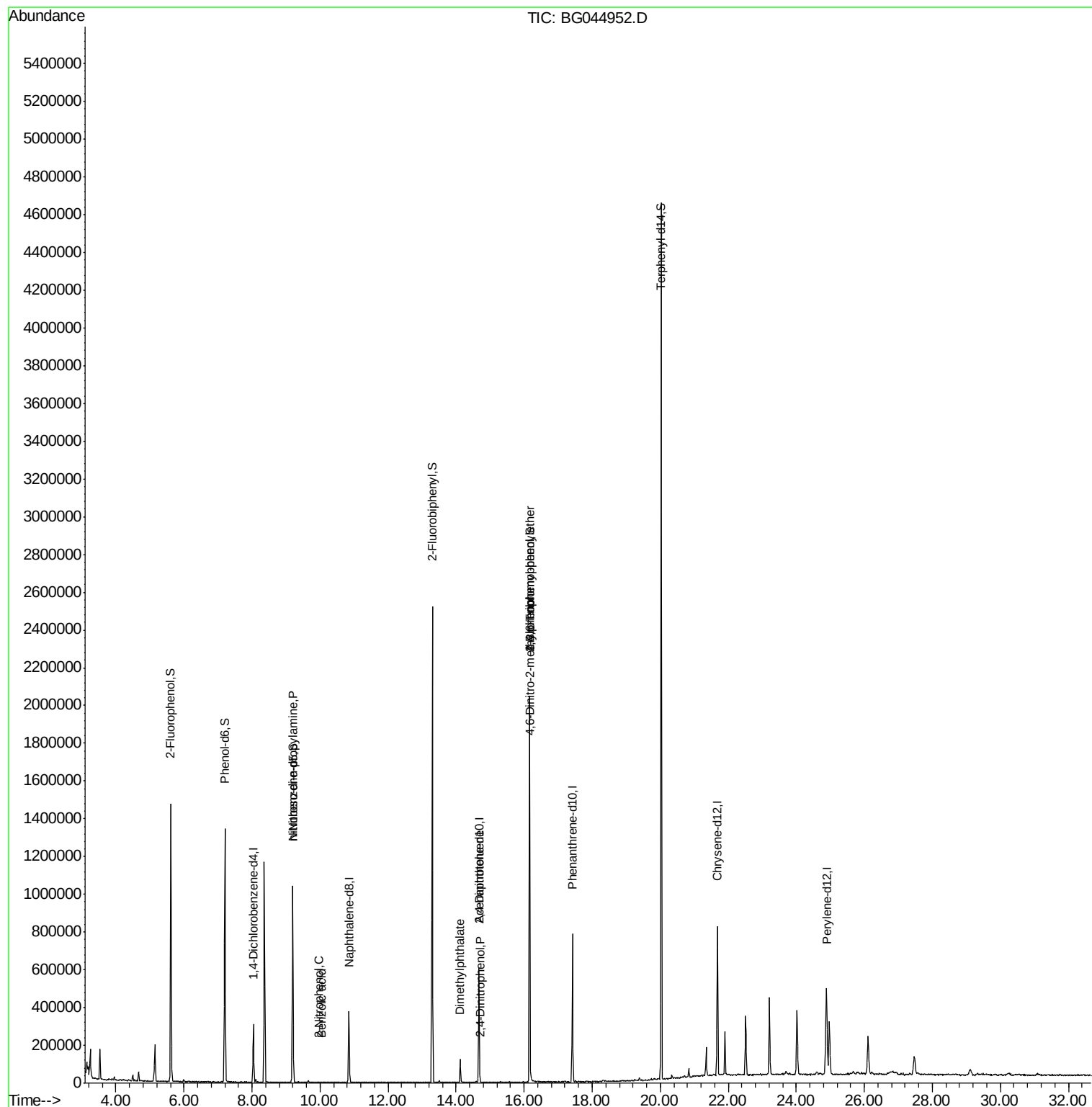
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	74	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	88902	15.85	ng	78
26) 2-Nitrophenol	9.97	139	59	5.53	ng	28
32) Benzoic acid	10.04	122	56	9.68	ng	1
50) Dimethylphthalate	14.12	163	82317	4.70	ng	99
54) 2,4-Dinitrophenol	14.72	184	54	8.35	ng	31
57) 2,4-Dinitrotoluene	14.67	165	27941	5.77	ng	23
65) 4,6-Dinitro-2-methylphenol	16.17	198	1135	8.13	ng	85
67) 4-Bromophenyl-phenylether	16.16	248	29959	4.77	ng	1

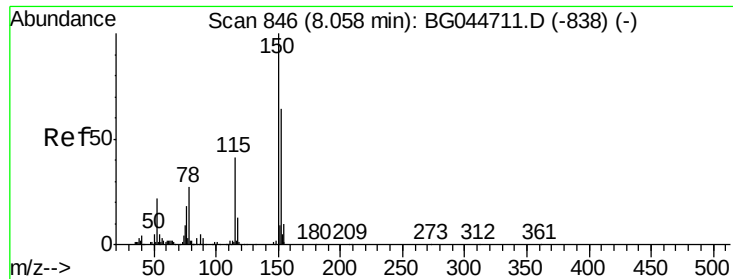
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-01

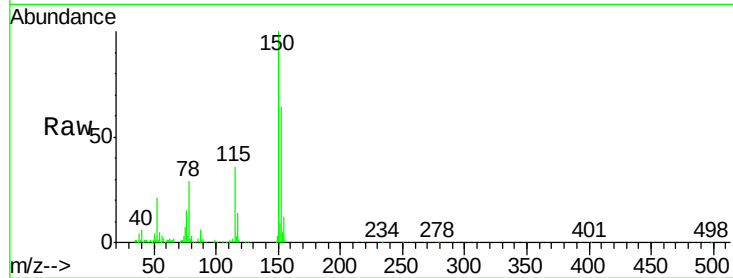
Tgt Ion:152 Resp: 85110

Ion Ratio Lower Upper

152 100

150 157.2 128.8 193.2

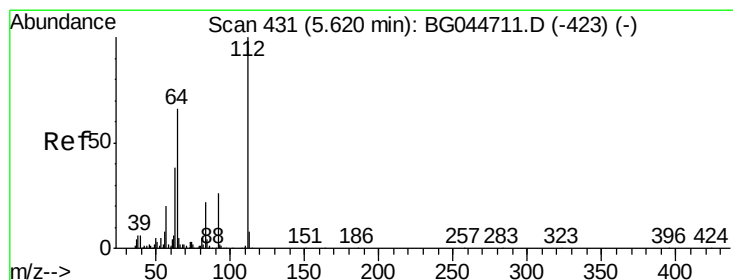
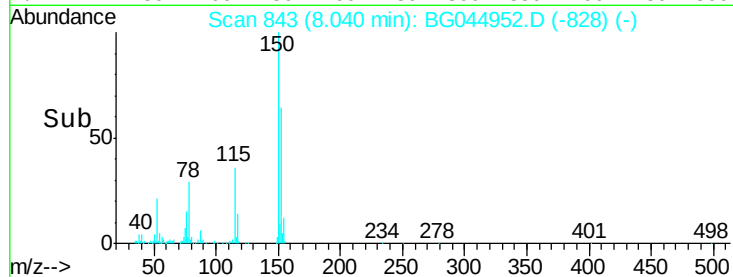
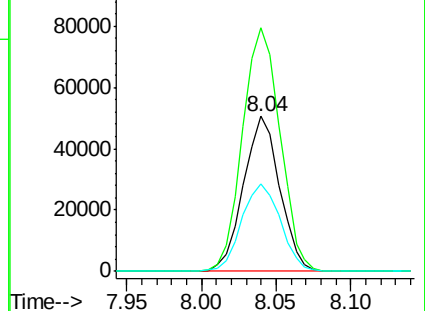
115 56.5 52.6 79.0



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: 118.55 ng

RT: 5.61 min Scan# 430

Delta R.T. -0.00 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

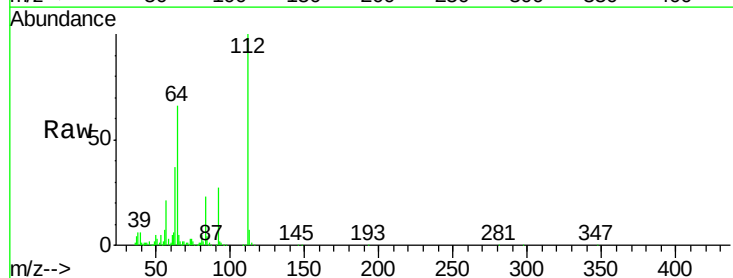
Tgt Ion:112 Resp: 648158

Ion Ratio Lower Upper

112 100

64 65.6 53.4 80.2

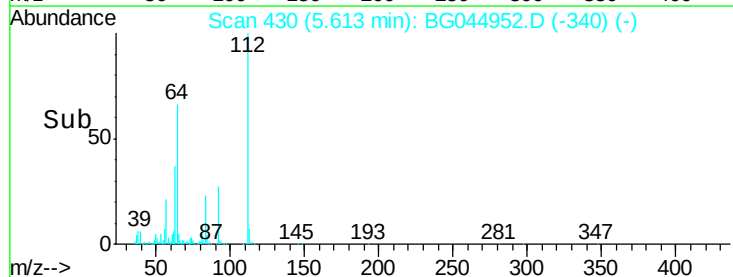
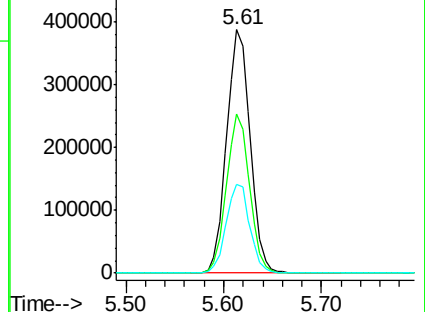
63 36.6 29.4 44.2

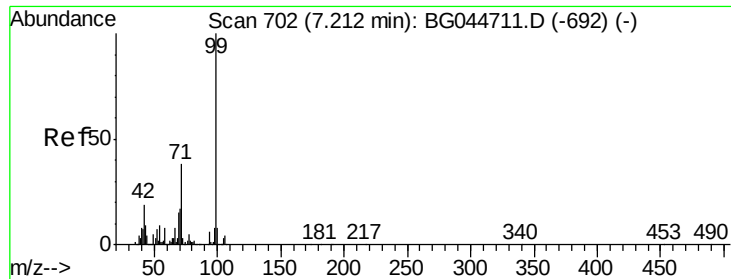


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 103.99 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-01

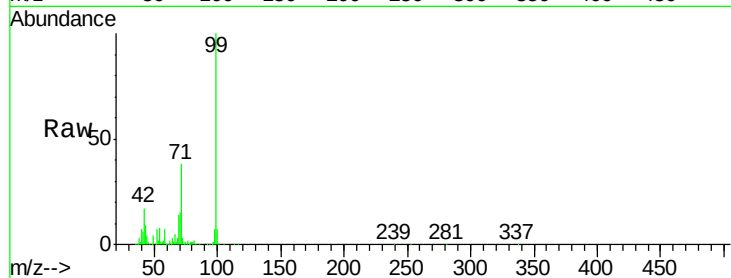
Tgt Ion: 99 Resp: 826081

Ion Ratio Lower Upper

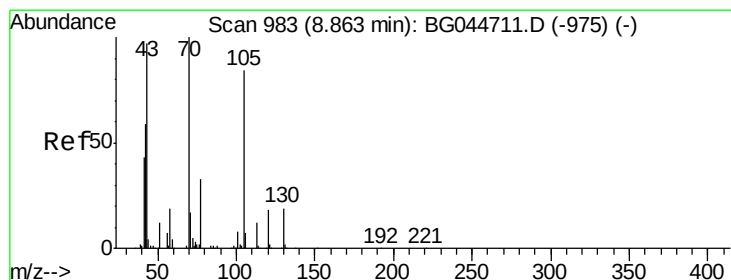
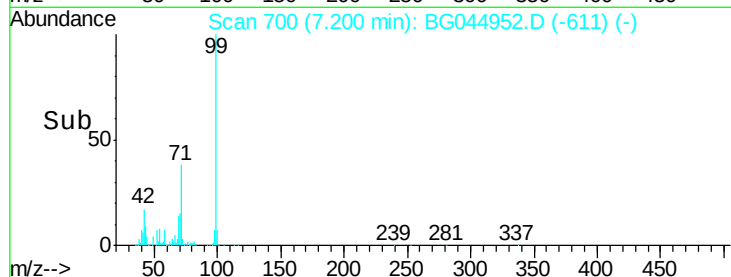
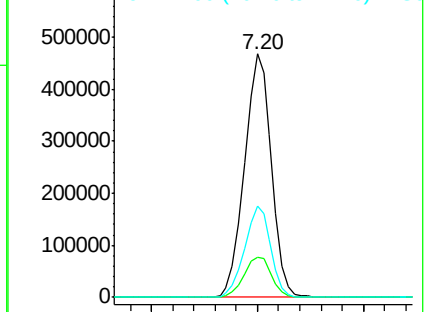
99 100

42 16.7 12.6 19.0

71 37.6 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: 15.85 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

Tgt Ion: 70 Resp: 88902

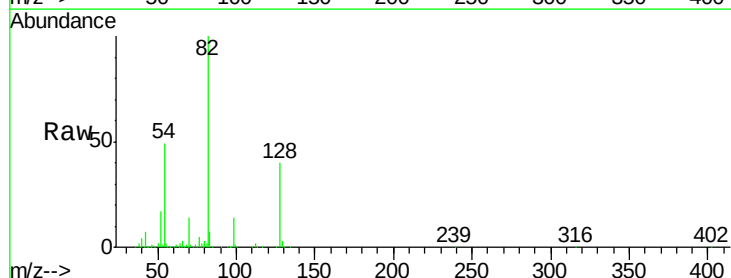
Ion Ratio Lower Upper

70 100

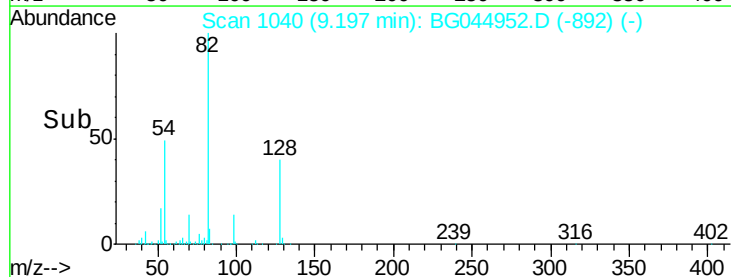
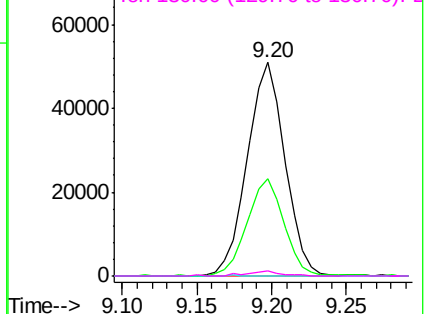
42 45.8 45.7 68.5

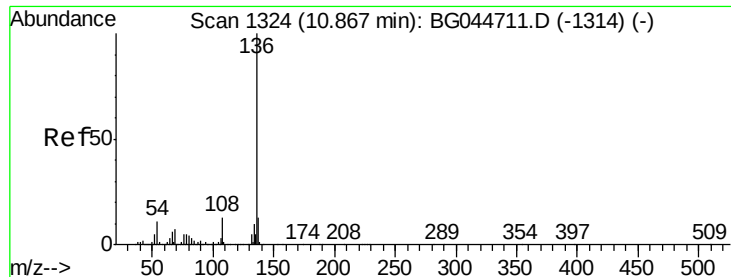
101 0.0 7.4 11.2#

130 2.3 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

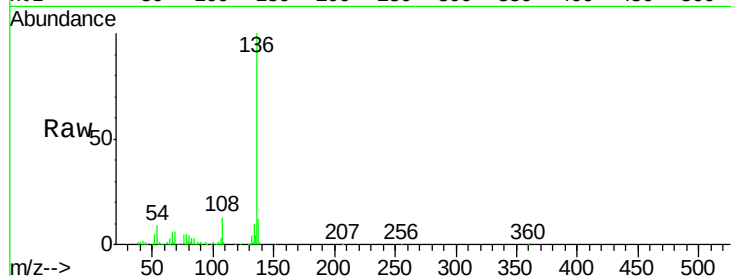




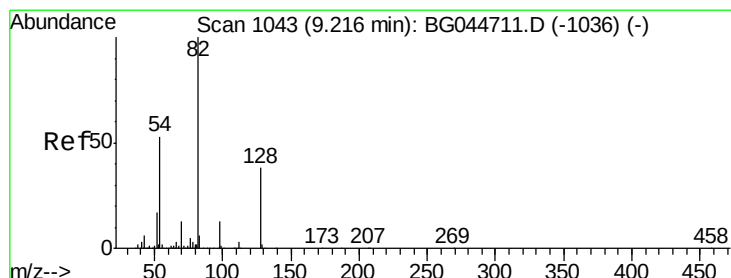
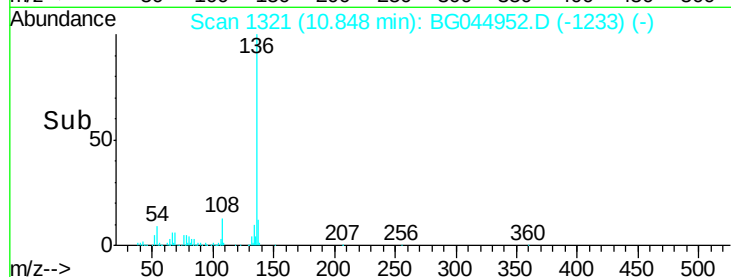
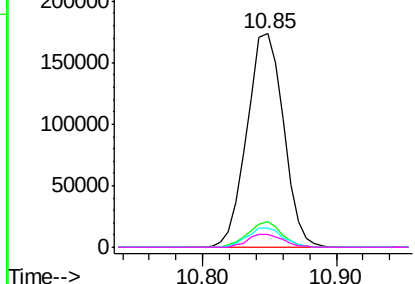
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-01

Tgt Ion:	136	Resp:	328579
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.6
54	9.0	7.9	11.9
68	6.2	5.4	8.0

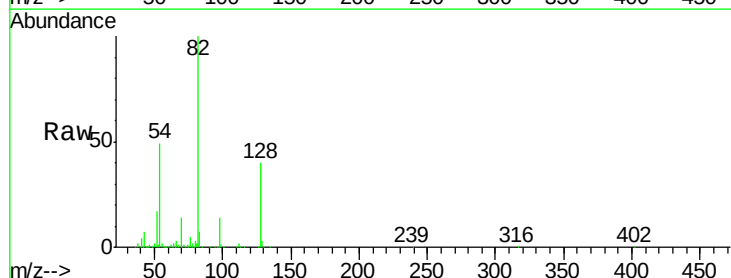


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

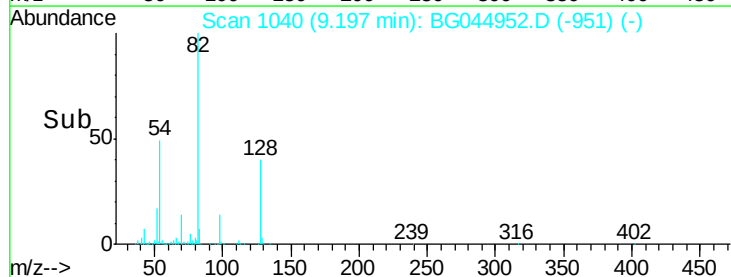
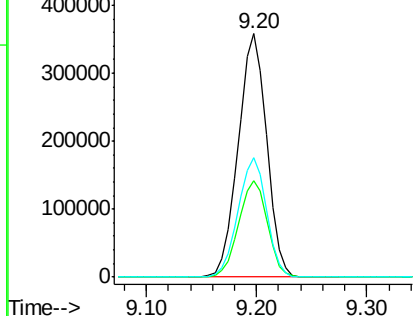


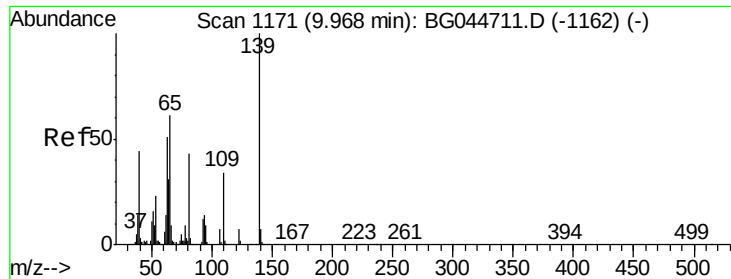
#23
Nitrobenzene-d5
Concen: 86.81 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

Tgt Ion:	82	Resp:	650040
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.6	46.0
54	49.0	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

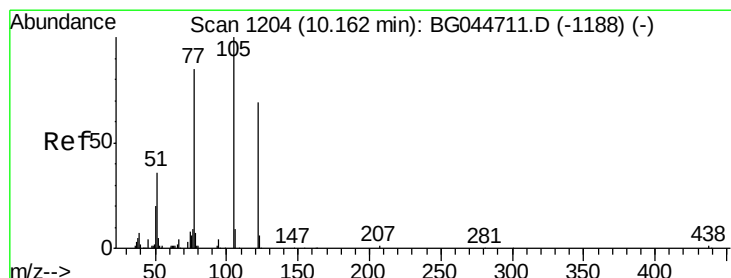
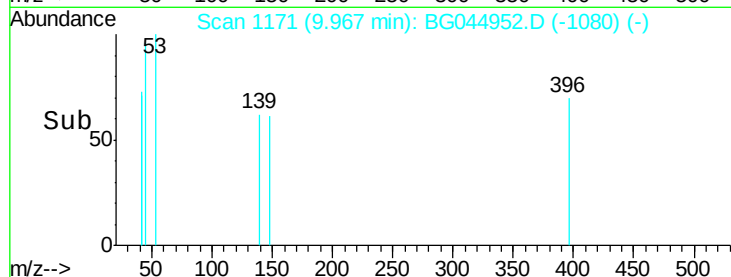
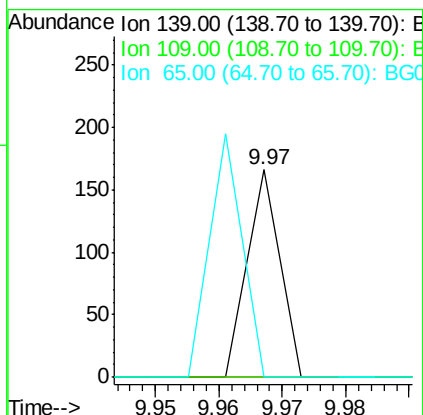
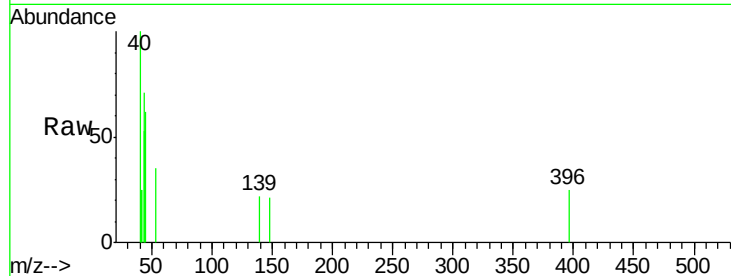




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

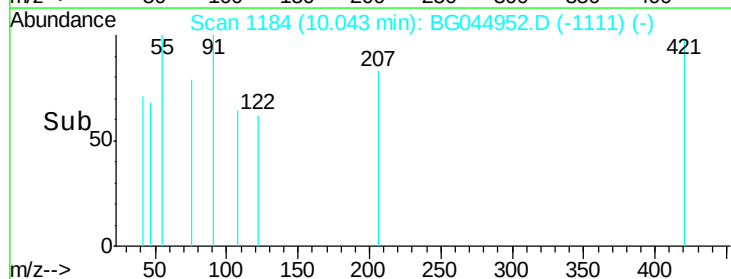
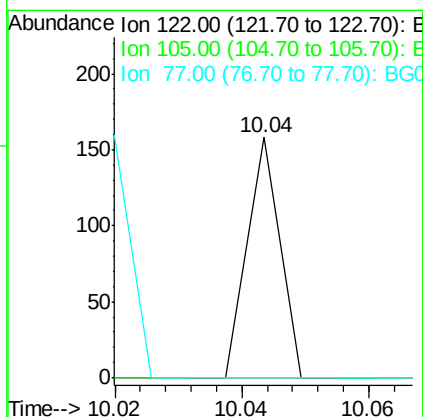
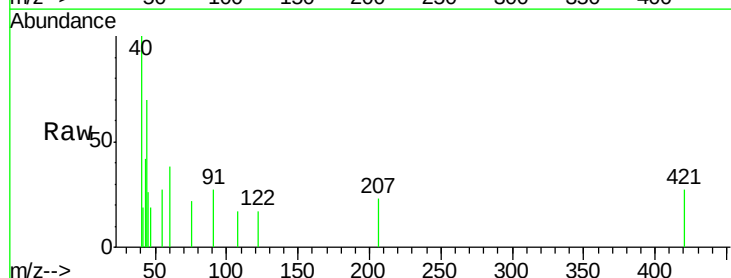
Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-01

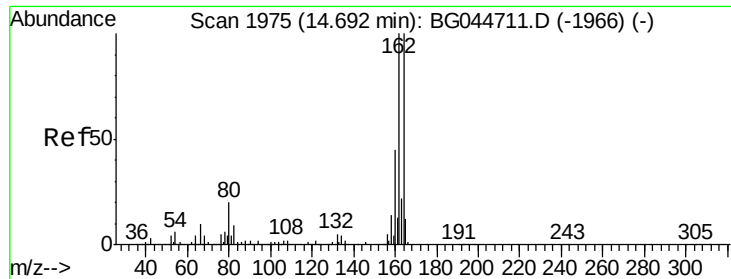
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.68 ng
RT: 10.04 min Scan# 1184
Delta R.T. -0.10 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

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: BG044952.D

Acq: 25 Mar 2020 6:36

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-01

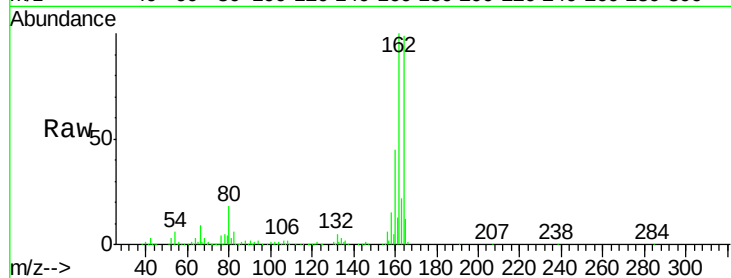
Tgt Ion:164 Resp: 219996

Ion Ratio Lower Upper

164 100

162 100.9 76.7 115.1

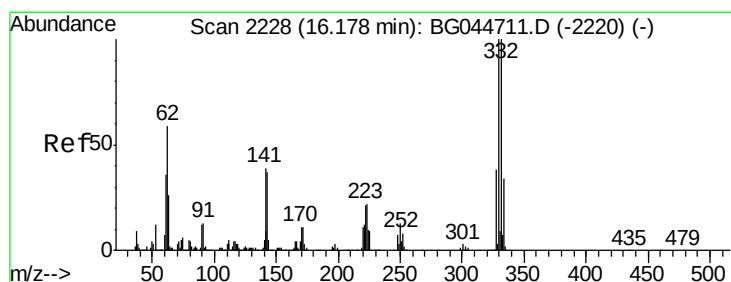
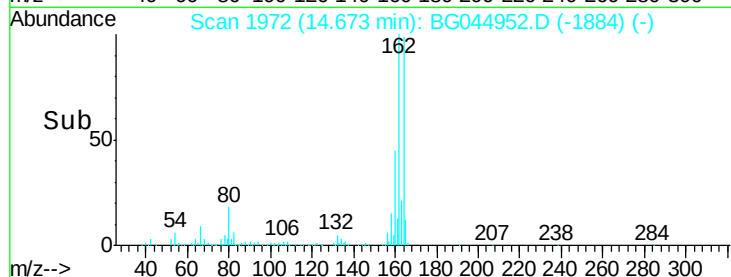
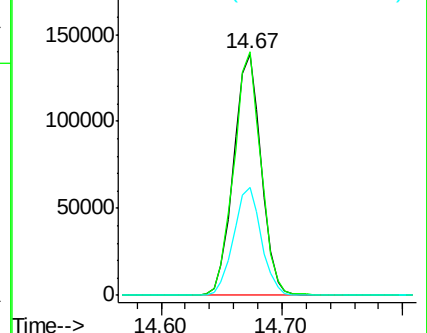
160 44.9 35.0 52.4



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: 144.04 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

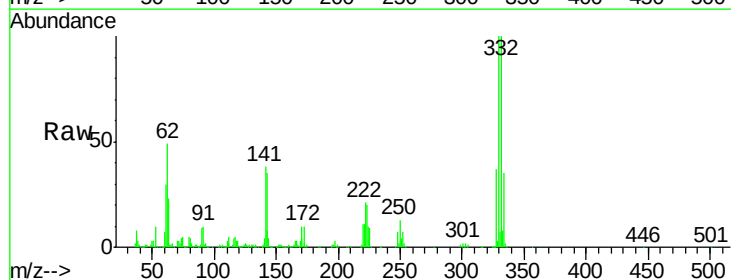
Tgt Ion:330 Resp: 414900

Ion Ratio Lower Upper

330 100

332 97.7 77.8 116.6

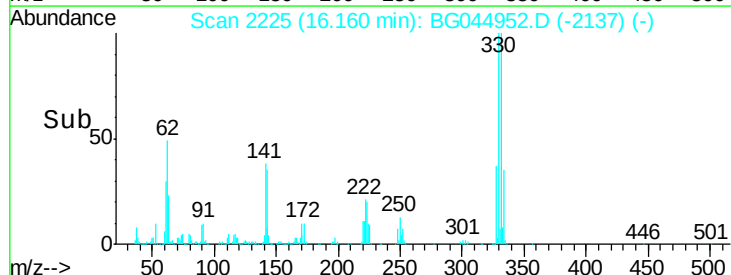
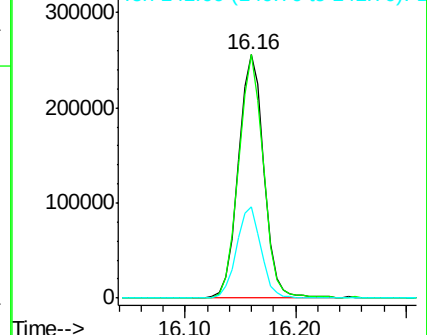
141 36.3 29.5 44.3

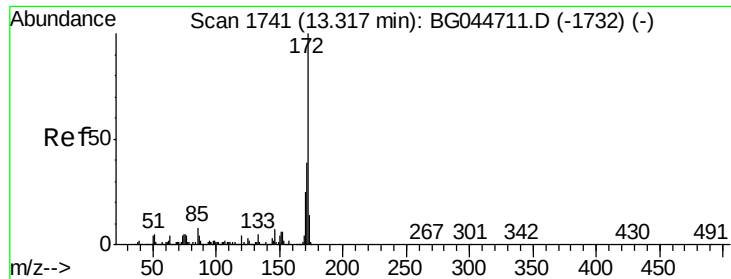


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

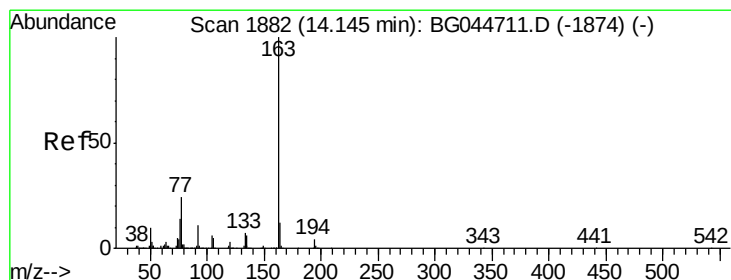
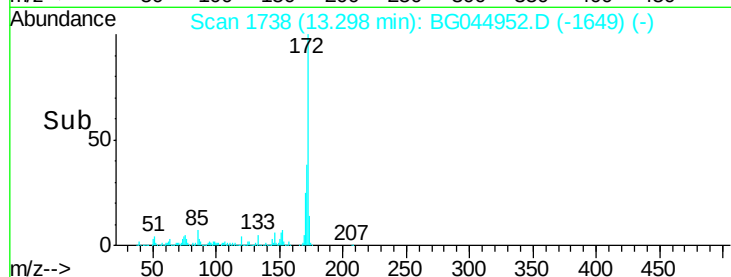
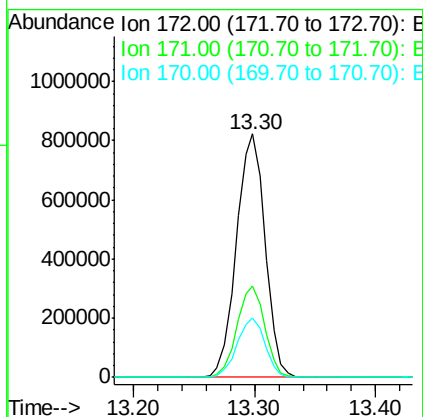
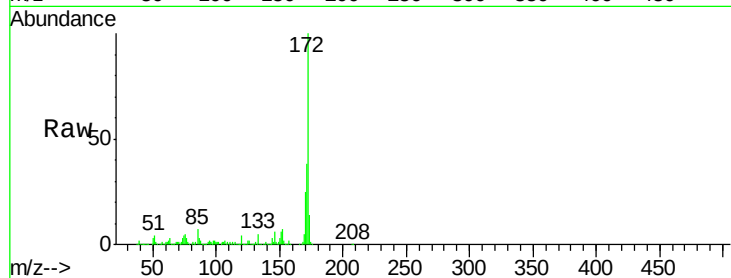




#45
2-Fluorobiphenyl
Concen: 88.57 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

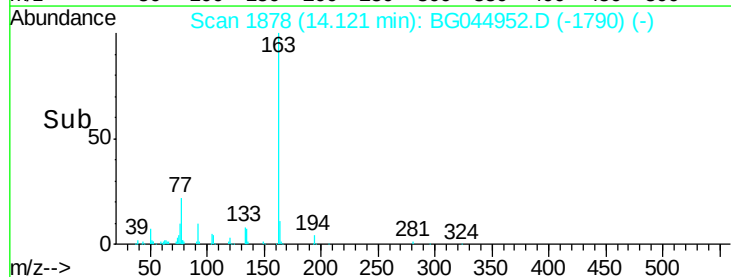
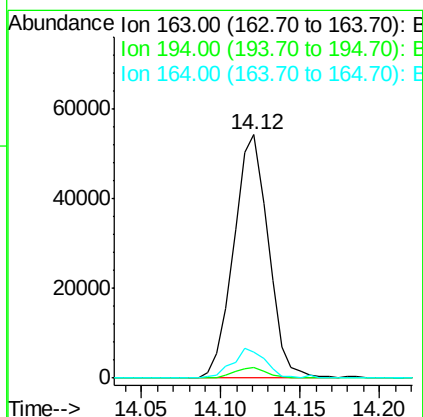
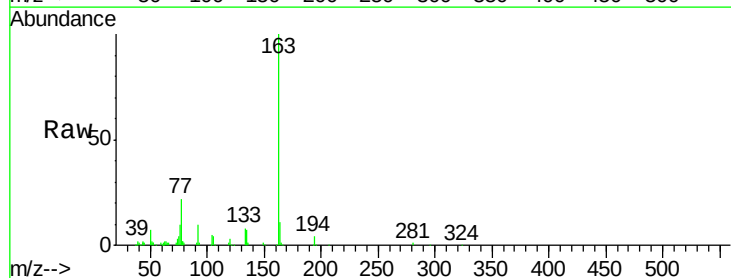
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GHD1-WC-S-SB-01

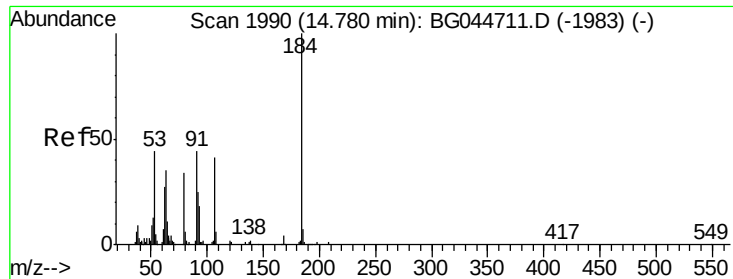
Tgt Ion:172 Resp: 1360664
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 24.5 19.0 28.6



#50
Dimethylphthalate
Concen: 4.70 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

Tgt Ion:163 Resp: 82317
Ion Ratio Lower Upper
163 100
194 4.4 3.7 5.5
164 10.9 9.1 13.7

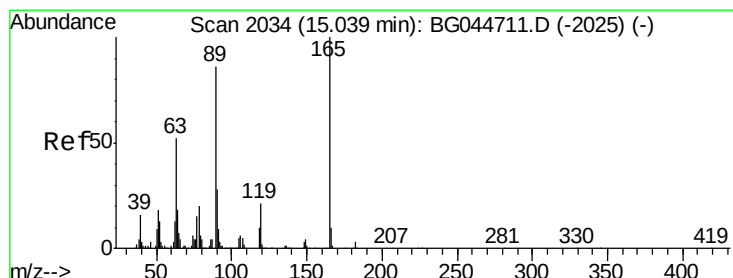
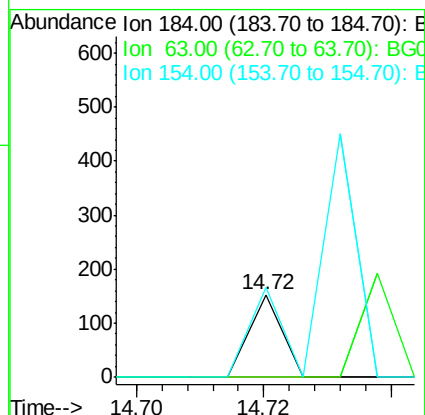
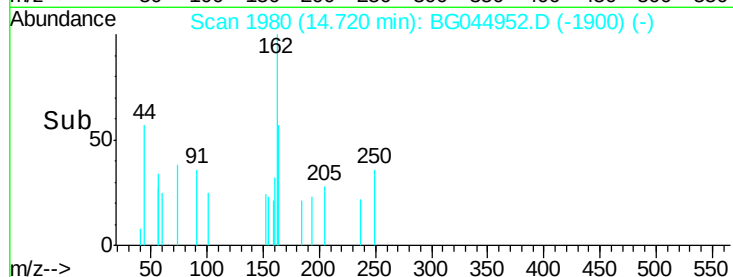
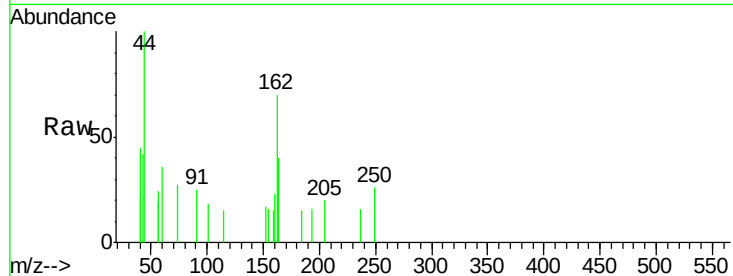




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.06 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

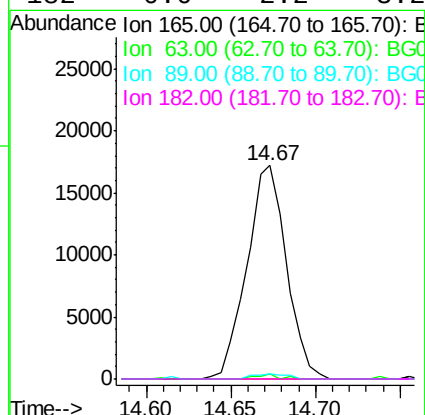
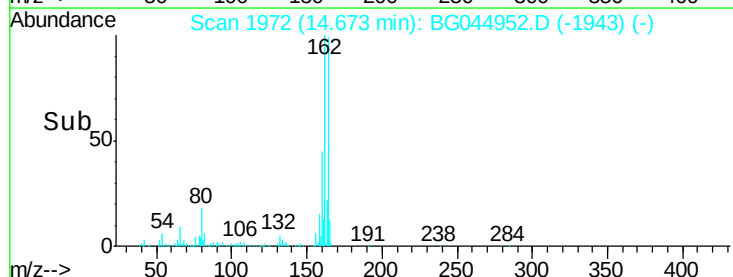
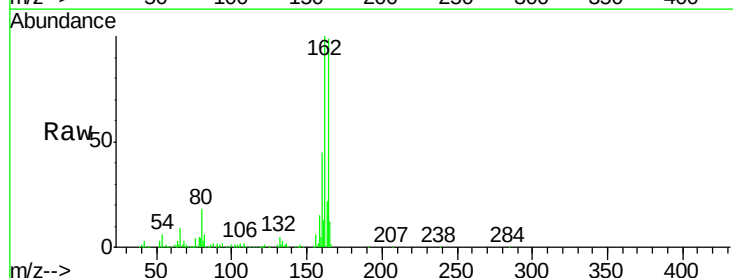
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BNA_G
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GHD1-WC-S-SB-01

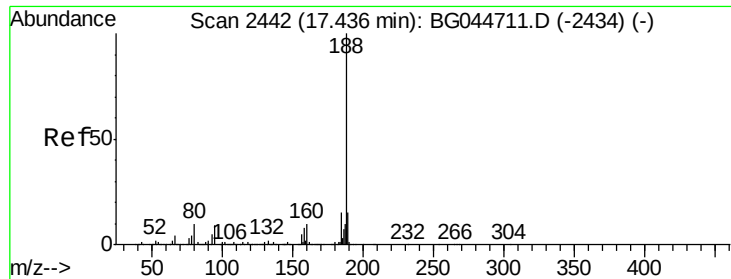
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 108.5 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.77 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044952.D
Acq: 25 Mar 2020 6:36

Tgt Ion:165 Resp: 27941
Ion Ratio Lower Upper
165 100
63 2.1 34.6 52.0#
89 2.2 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-01

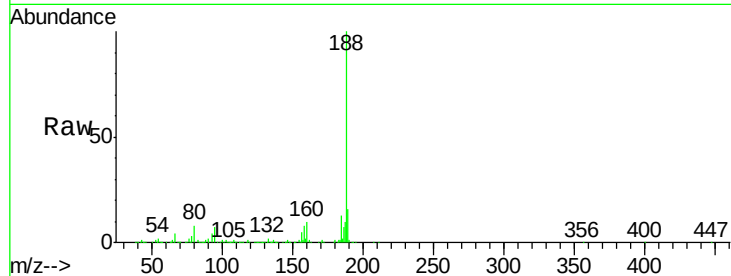
Tgt Ion:188 Resp: 502170

Ion Ratio Lower Upper

188 100

94 6.7 7.3 10.9#

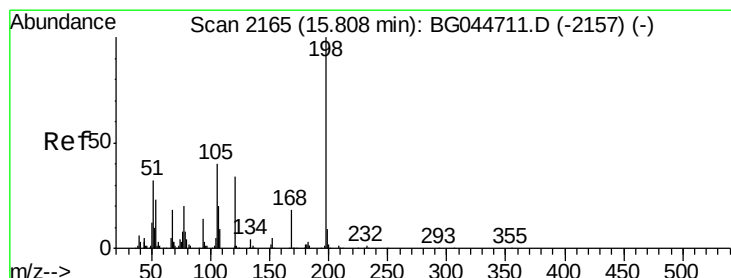
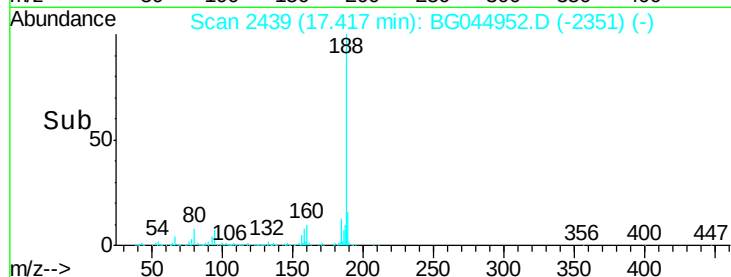
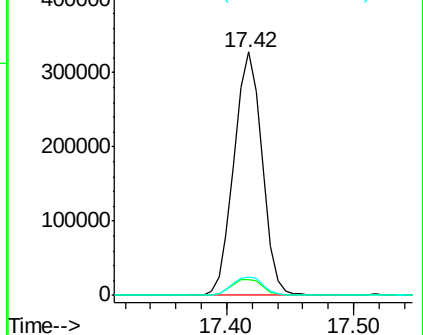
80 7.6 8.0 12.0#



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: 8.13 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.38 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

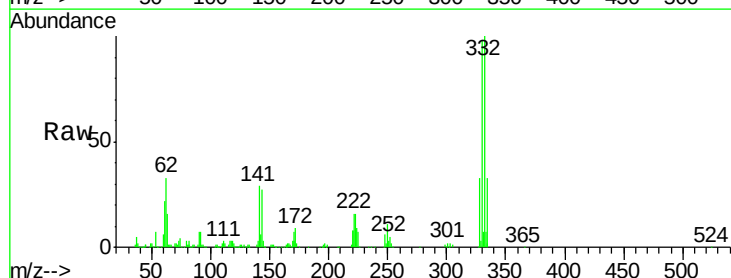
Tgt Ion:198 Resp: 1135

Ion Ratio Lower Upper

198 100

51 46.4 21.1 61.1

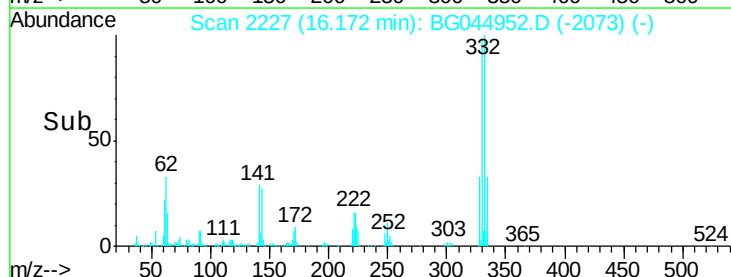
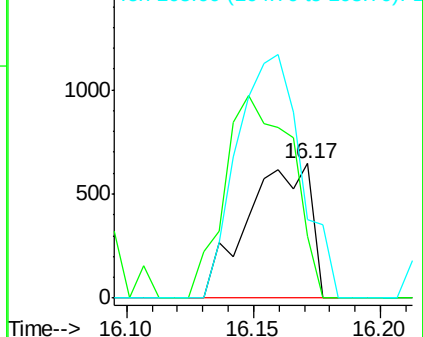
105 57.8 24.5 64.5

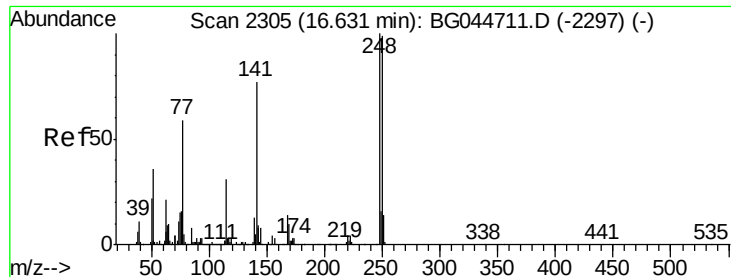


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

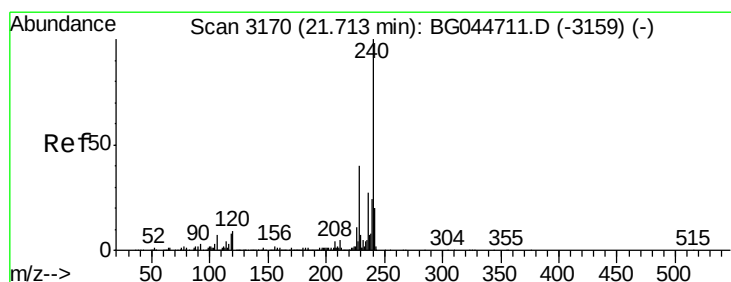
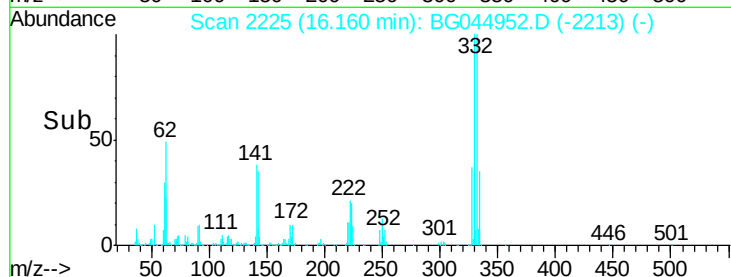
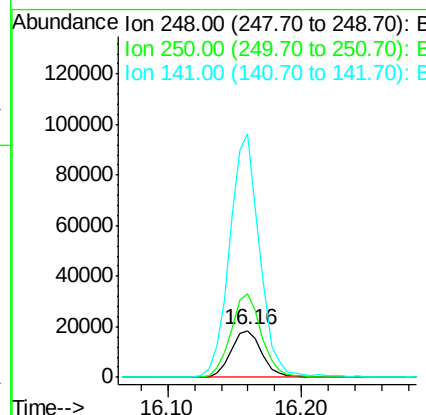
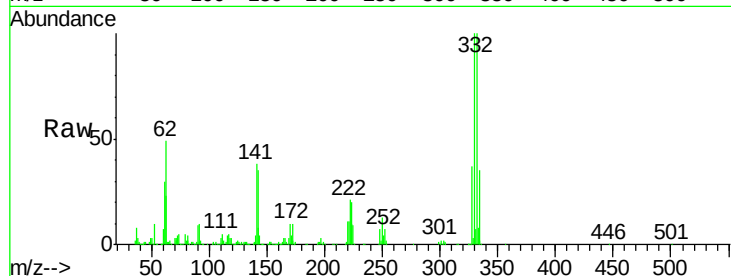




#67
 4-Bromophenyl-phenylether
 Concen: 4.77 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044952.D
 Acq: 25 Mar 2020 6:36

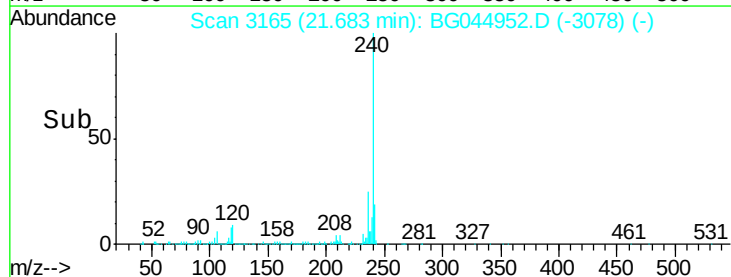
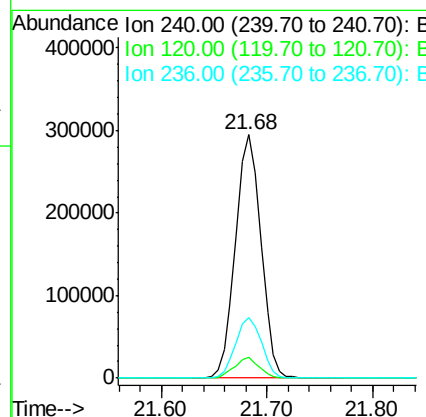
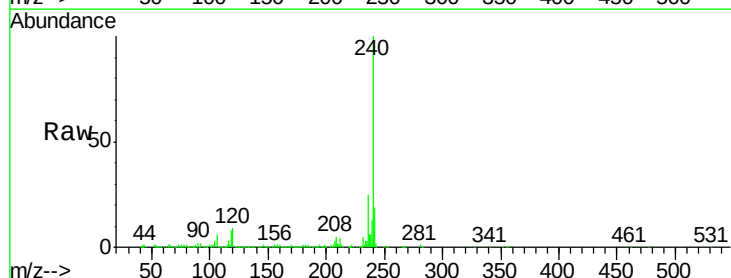
Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-SB-01

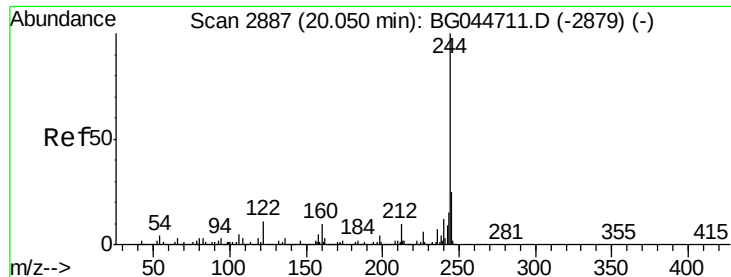
Tgt Ion:248 Resp: 29959
 Ion Ratio Lower Upper
 248 100
 250 179.6 77.9 116.9#
 141 521.5 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044952.D
 Acq: 25 Mar 2020 6:36

Tgt Ion:240 Resp: 492908
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.7 10.1
 236 24.9 21.5 32.3





#79

Terphenyl-d14

Concen: 84.67 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-01

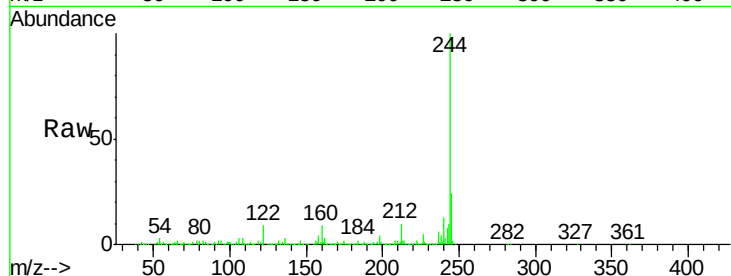
Tgt Ion:244 Resp: 2231201

Ion Ratio Lower Upper

244 100

212 10.1 7.7 11.5

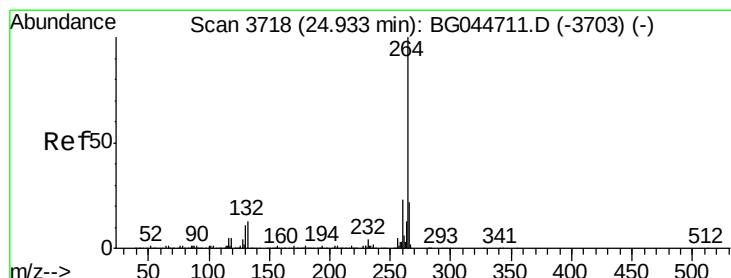
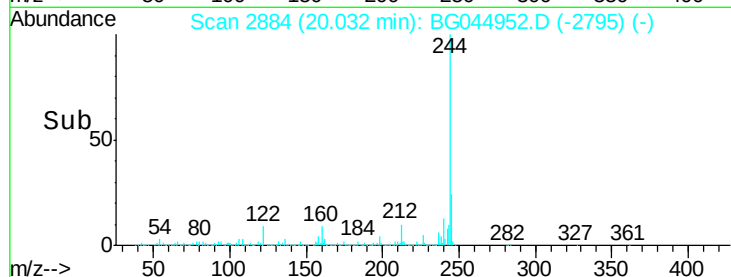
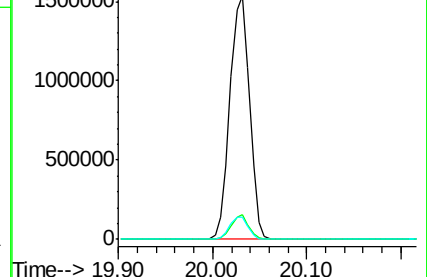
122 8.9 8.6 12.8



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: 24.88 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044952.D

Acq: 25 Mar 2020 6:36

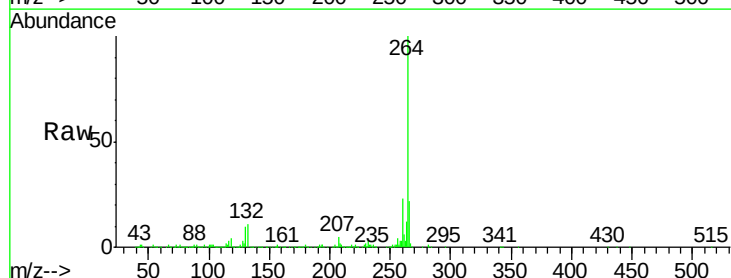
Tgt Ion:264 Resp: 524267

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 22.4 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

