

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044944.D
 Acq On : 25 Mar 2020 1:22
 Operator : CG/JU
 Sample : L2011-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-SB-0203

Quant Time: Mar 25 08:08:29 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	74261	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	288756	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	185705	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	430429	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	463679	20.00	ng	-0.02
87) Perylene-d12	24.89	264	482257	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	646779	135.58	ng	0.00
7) Phenol-d6	7.20	99	794635	114.65	ng	0.00
23) Nitrobenzene-d5	9.20	82	657149	99.86	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	411498	169.23	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1356192	104.58	ng	0.00
79) Terphenyl-d14	20.03	244	2325188	93.80	ng	0.00

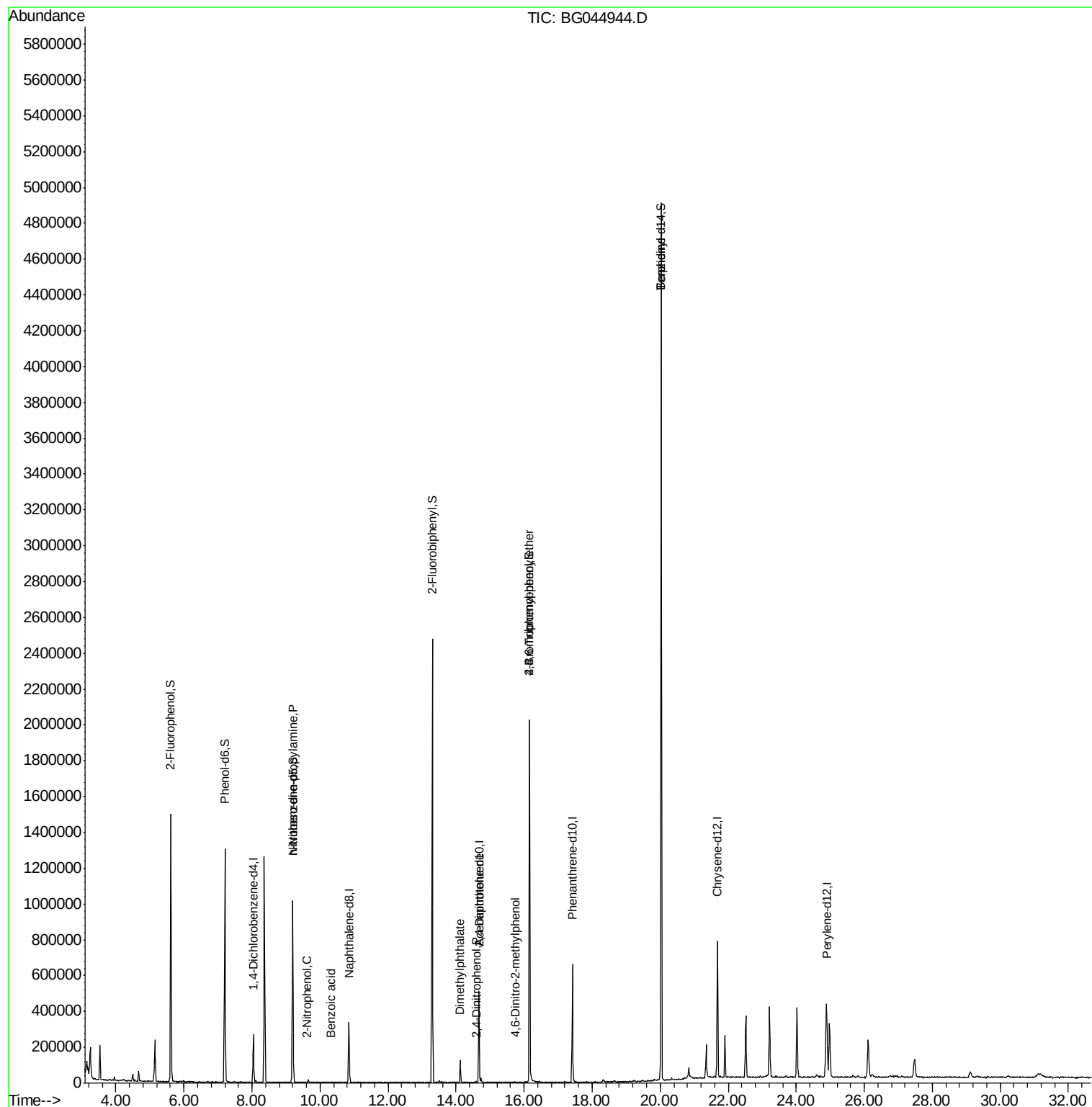
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1671	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	89028	18.19	ng	75
26) 2-Nitrophenol	9.63	139	53	5.53	ng	28
32) Benzoic acid	10.31	122	76	9.69	ng	1
50) Dimethylphthalate	14.12	163	90791	6.14	ng	98
54) 2,4-Dinitrophenol	14.60	184	84	8.37	ng	21
57) 2,4-Dinitrotoluene	14.67	165	25421	6.22	ng	23
65) 4,6-Dinitro-2-methylphenol	15.73	198	84	7.76	ng	33
67) 4-Bromophenyl-phenylether	16.15	248	27863	5.18	ng	1
77) Benzidine	20.03	184	47774	3.17	ng	89

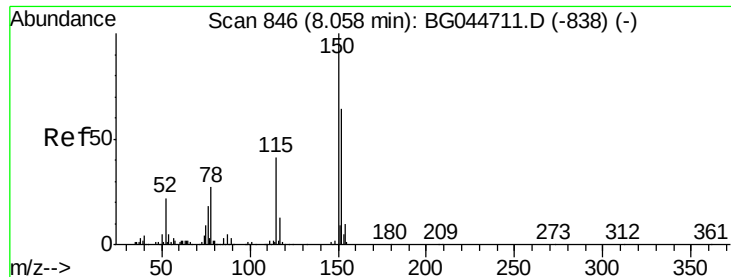
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 23 07:18:46 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

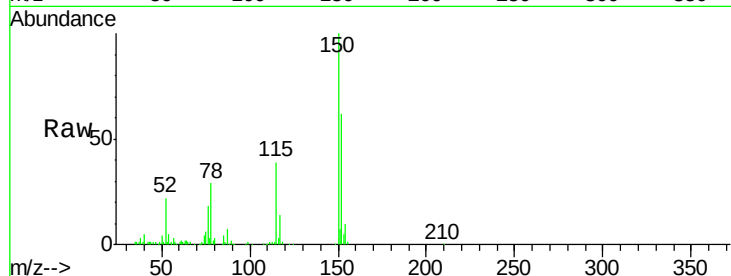
Tgt Ion:152 Resp: 74261

Ion Ratio Lower Upper

152 100

150 160.9 128.8 193.2

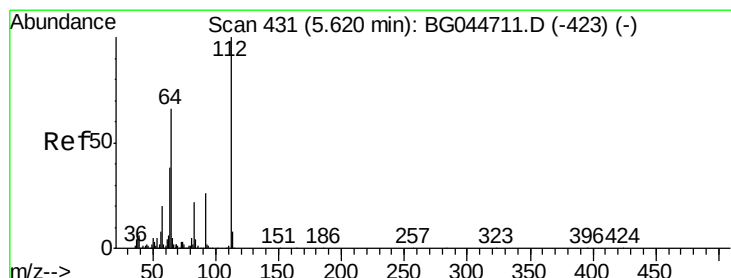
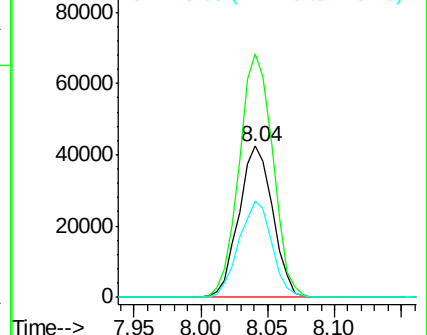
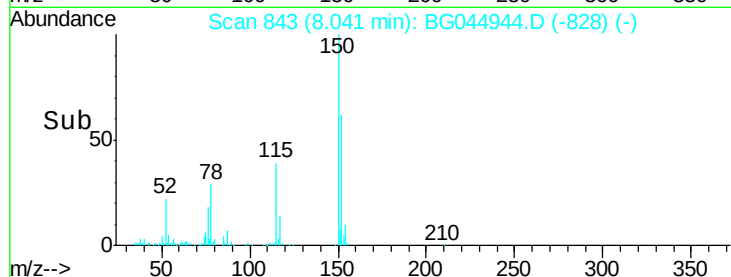
115 63.3 52.6 79.0



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: 135.58 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

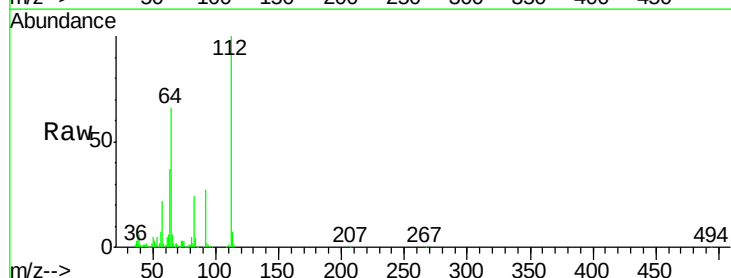
Tgt Ion:112 Resp: 646779

Ion Ratio Lower Upper

112 100

64 66.2 53.4 80.2

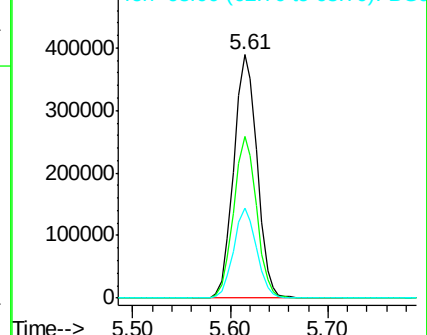
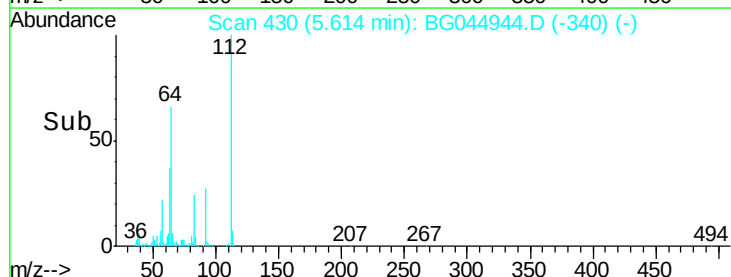
63 37.0 29.4 44.2

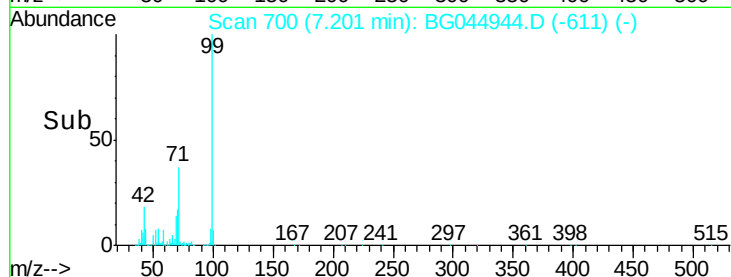
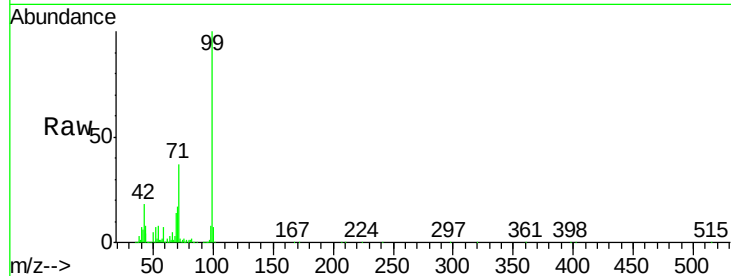
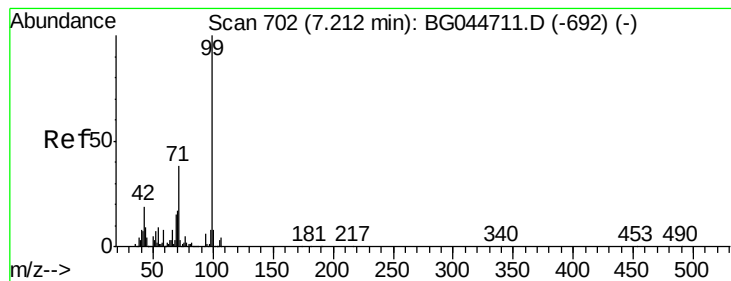


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 114.65 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

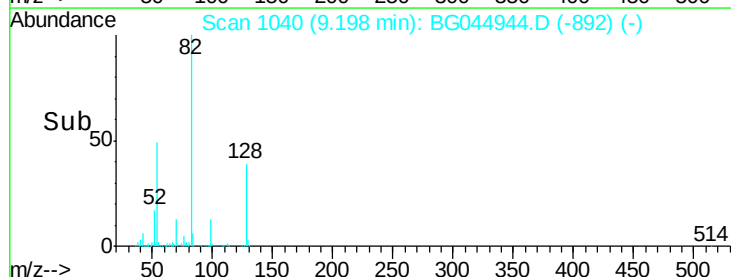
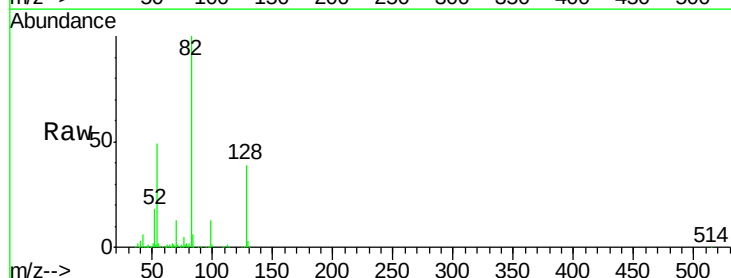
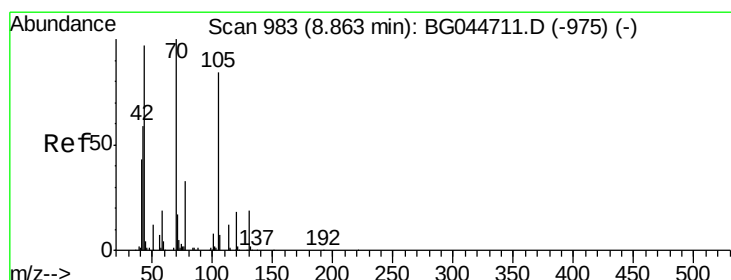
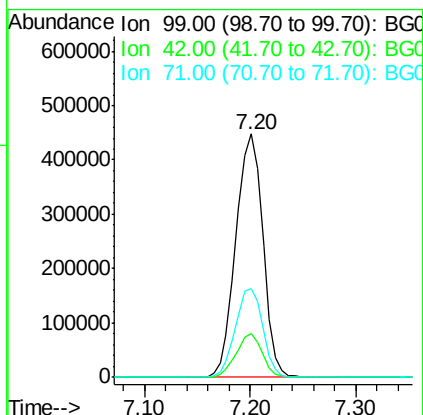
Tgt Ion: 99 Resp: 794635

Ion Ratio Lower Upper

99 100

42 18.0 12.6 19.0

71 36.7 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.19 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Tgt Ion: 70 Resp: 89028

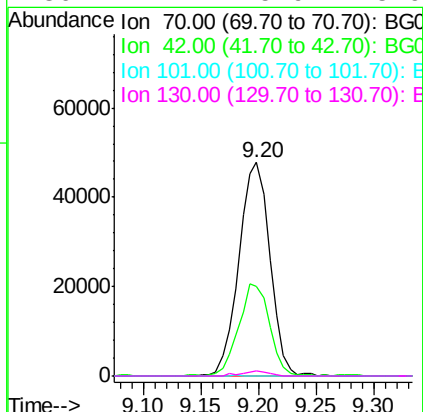
Ion Ratio Lower Upper

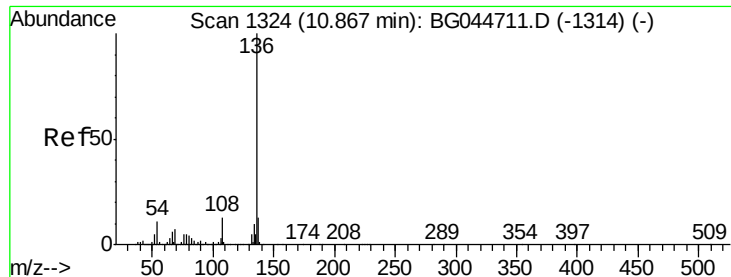
70 100

42 42.2 45.7 68.5#

101 0.0 7.4 11.2#

130 2.2 15.9 23.9#

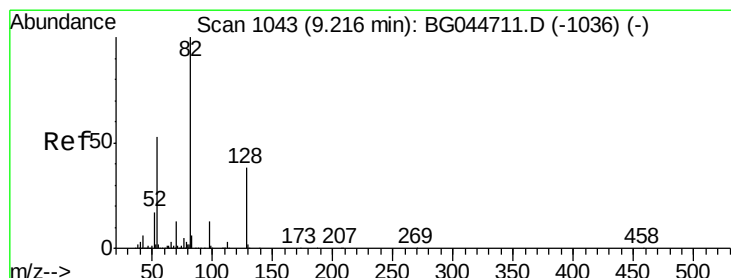
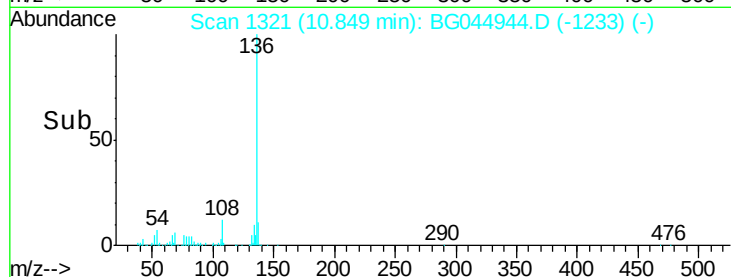
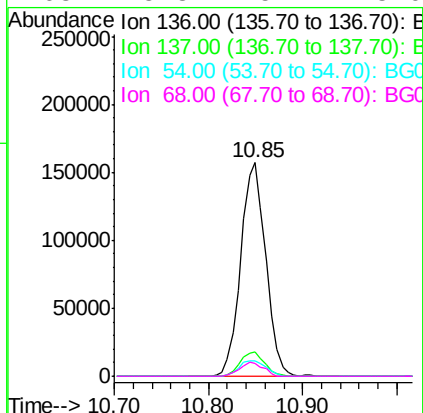
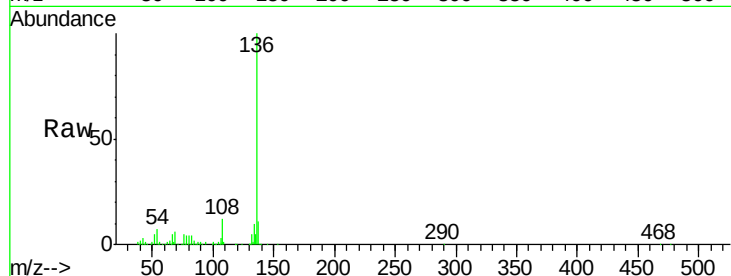




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

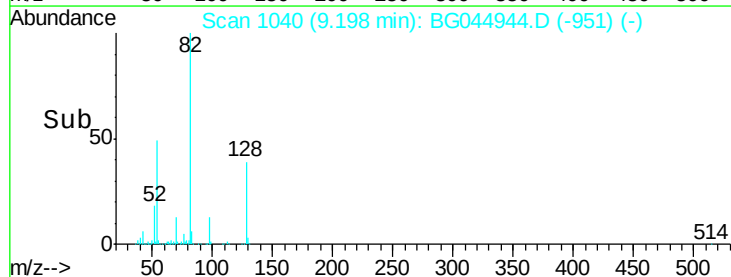
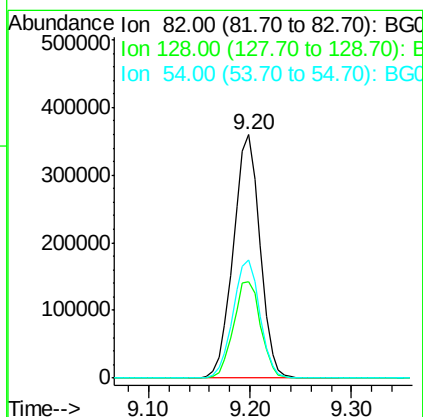
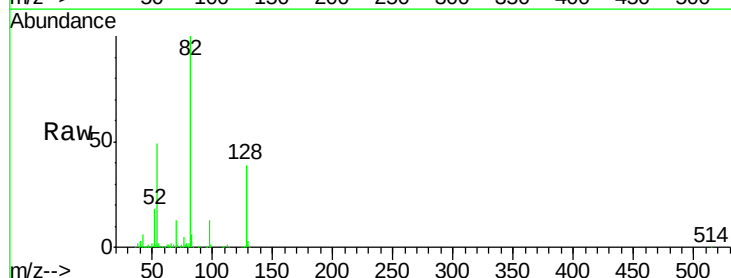
Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-0203

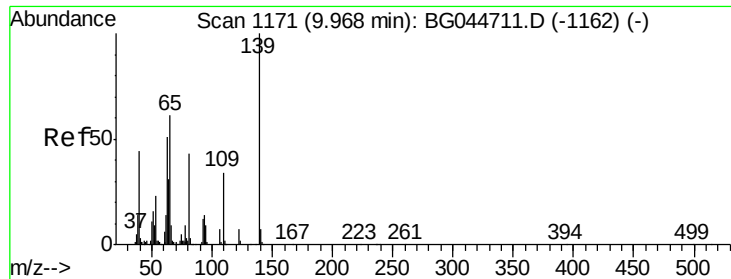
Tgt Ion:	136	Resp:	288756
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	7.5	7.9	11.9#
68	5.8	5.4	8.0



#23
Nitrobenzene-d5
Concen: 99.86 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

Tgt Ion:	82	Resp:	657149
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.6	46.0
54	48.7	37.1	55.7

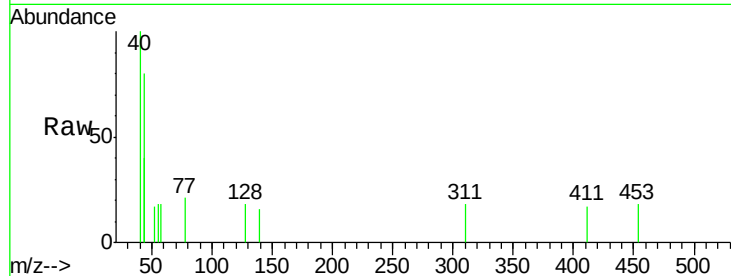




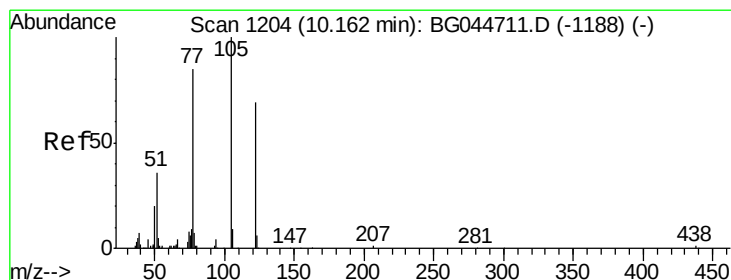
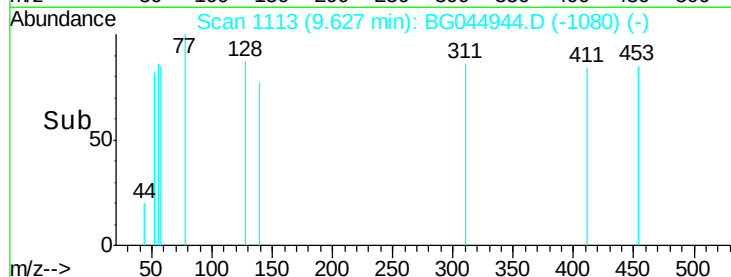
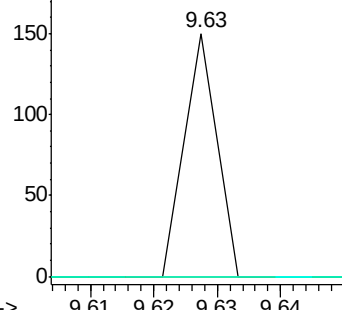
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.63 min Scan# 1113
Delta R.T. -0.33 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-0203

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

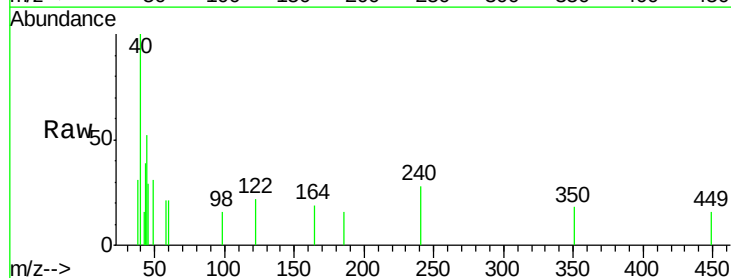


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

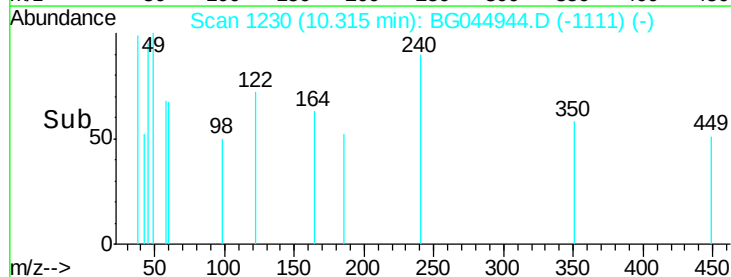
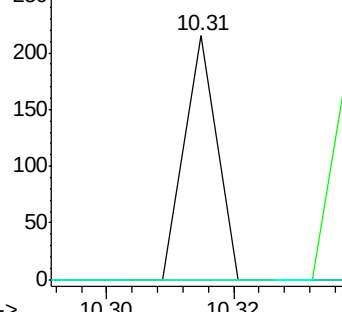


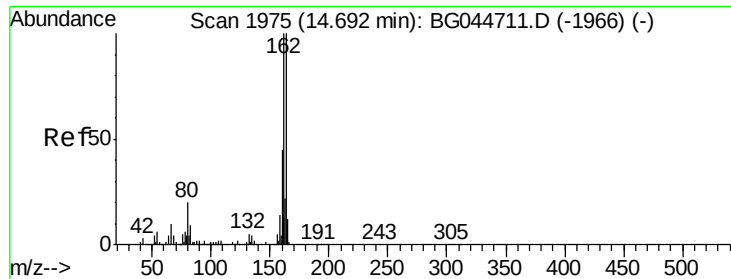
#32
Benzoic acid
Concen: 9.69 ng
RT: 10.31 min Scan# 1230
Delta R.T. 0.17 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	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): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.02 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

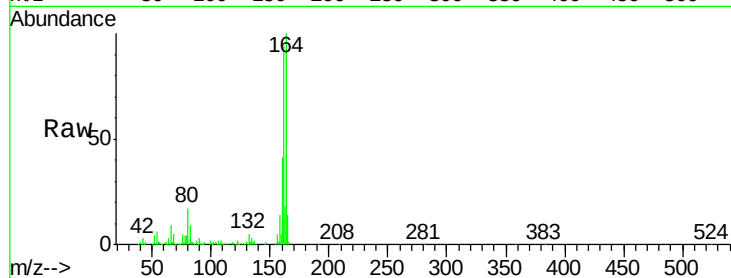
Tgt Ion:164 Resp: 185705

Ion Ratio Lower Upper

164 100

162 93.9 76.7 115.1

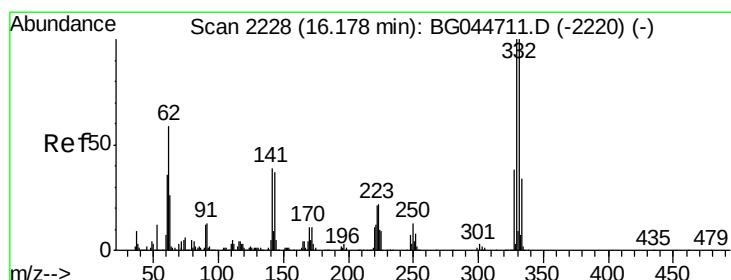
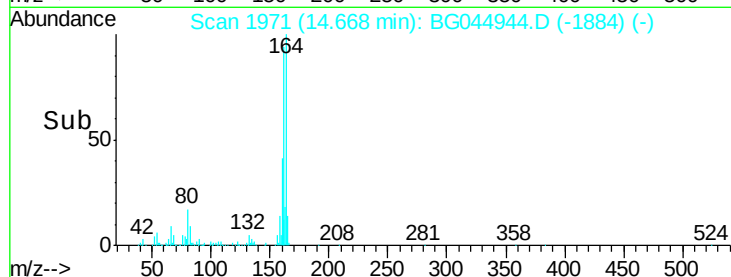
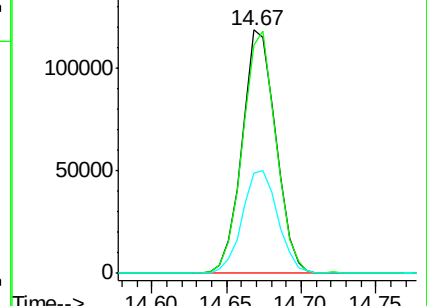
160 41.4 35.0 52.4



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: 169.23 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

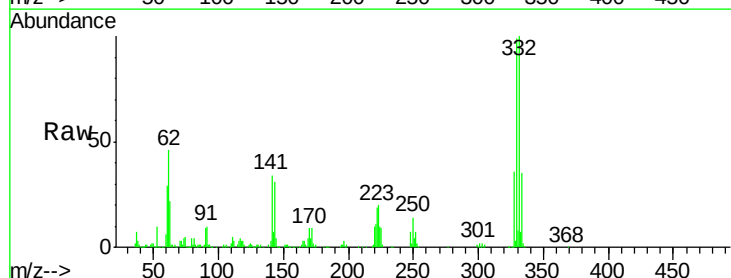
Tgt Ion:330 Resp: 411498

Ion Ratio Lower Upper

330 100

332 99.0 77.8 116.6

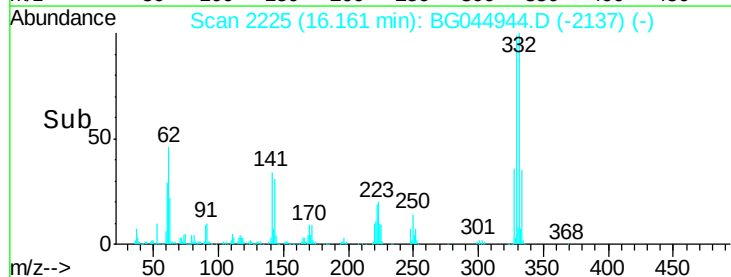
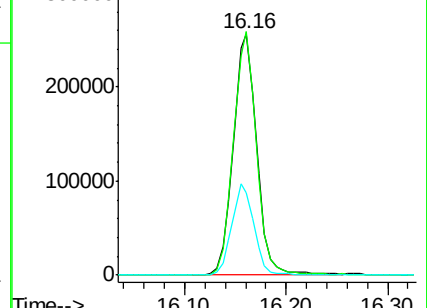
141 36.1 29.5 44.3

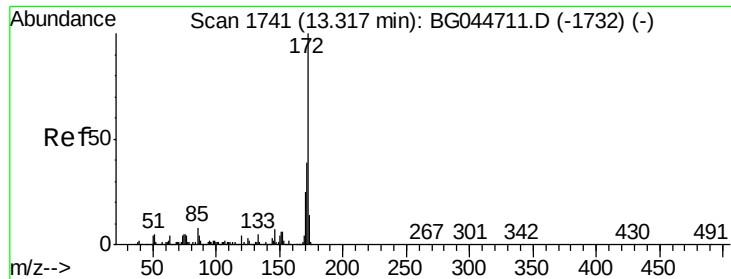


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 104.58 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

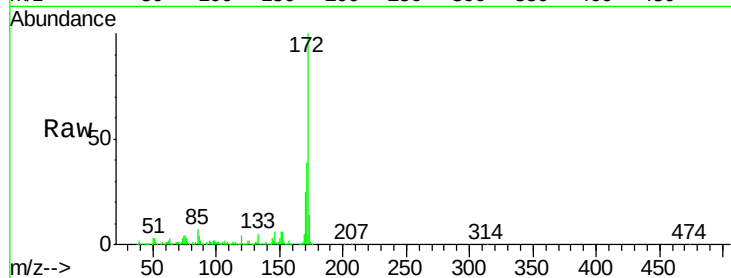
Tgt Ion:172 Resp: 1356192

Ion Ratio Lower Upper

172 100

171 38.8 28.7 43.1

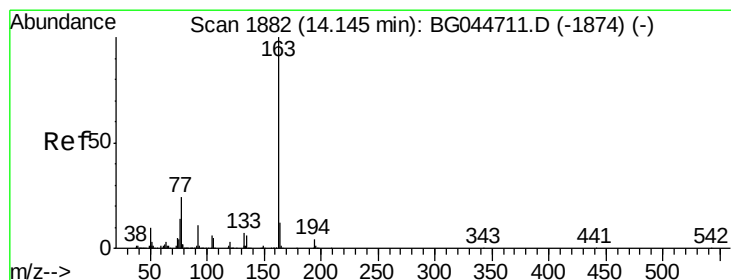
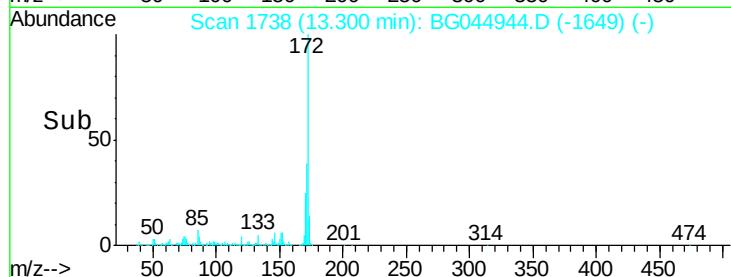
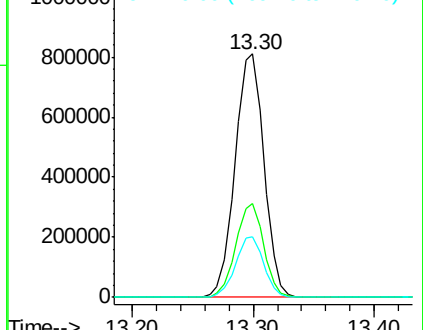
170 24.7 19.0 28.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 6.14 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

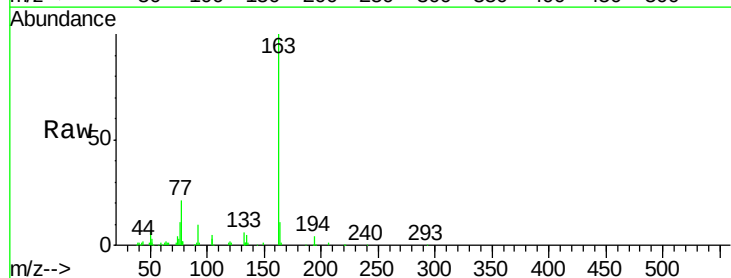
Tgt Ion:163 Resp: 90791

Ion Ratio Lower Upper

163 100

194 3.7 3.7 5.5

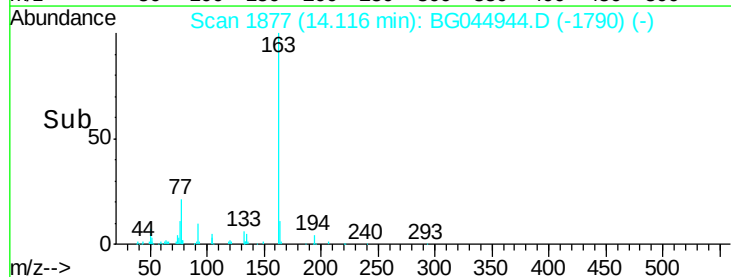
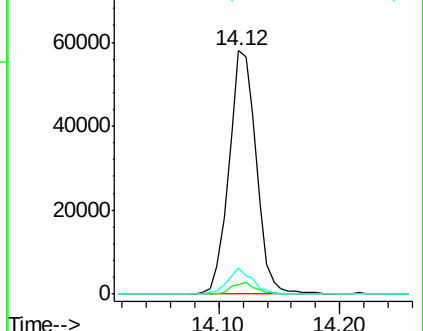
164 10.7 9.1 13.7

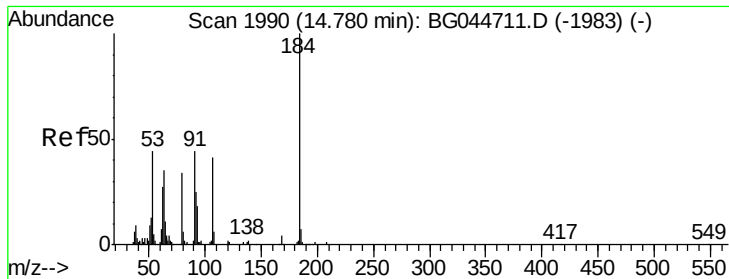


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

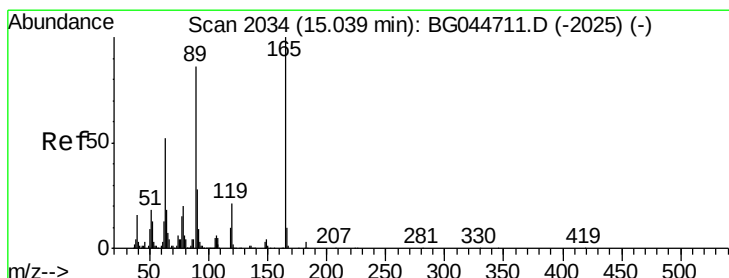
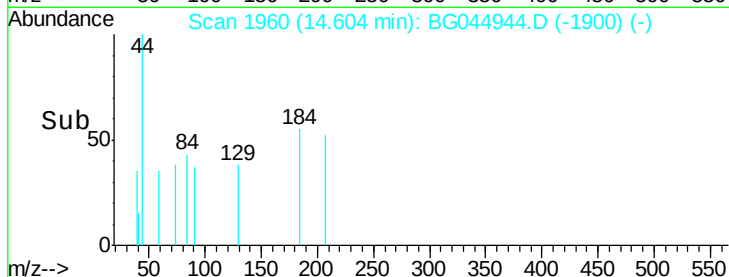
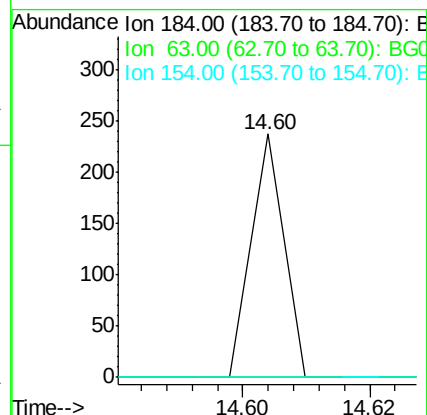
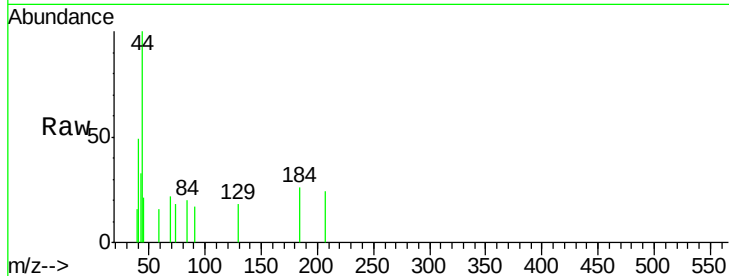




#54
2,4-Dinitrophenol
Concen: 8.37 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.18 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

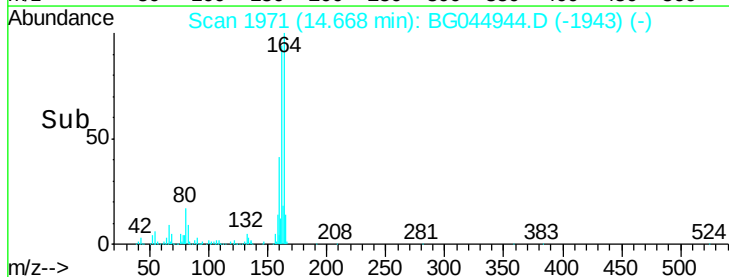
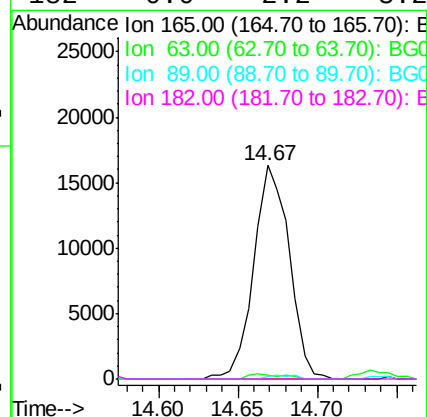
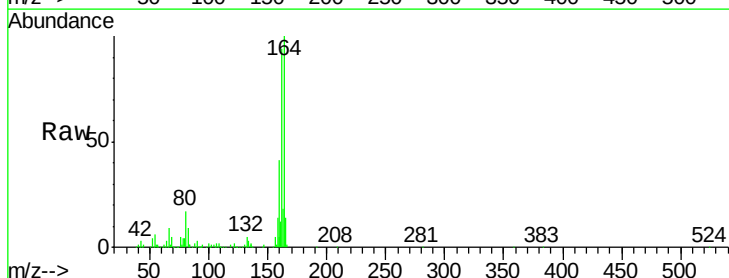
Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-0203

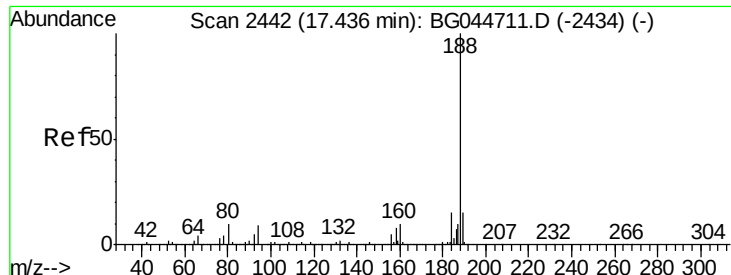
Tgt Ion:184 Resp: 84
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

Tgt Ion:165 Resp: 25421
Ion Ratio Lower Upper
165 100
63 2.1 34.6 52.0#
89 1.3 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: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

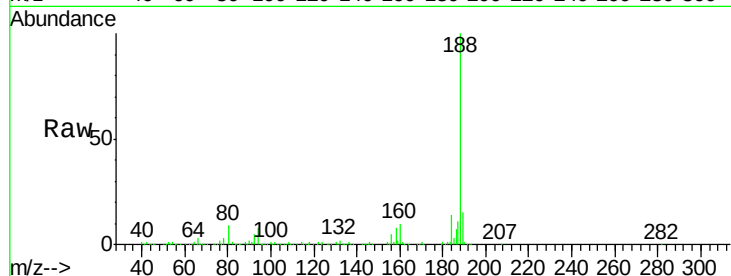
Tgt Ion:188 Resp: 430429

Ion Ratio Lower Upper

188 100

94 7.5 7.3 10.9

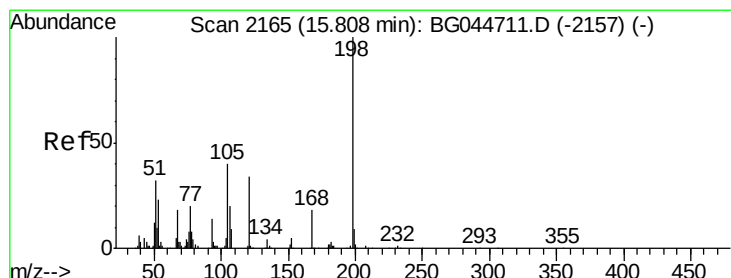
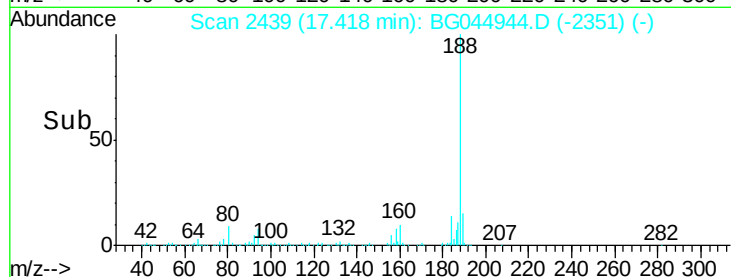
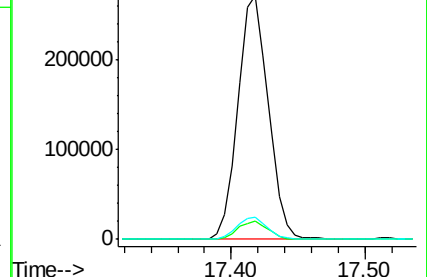
80 9.3 8.0 12.0



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: 15.73 min Scan# 2152

Delta R.T. -0.06 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

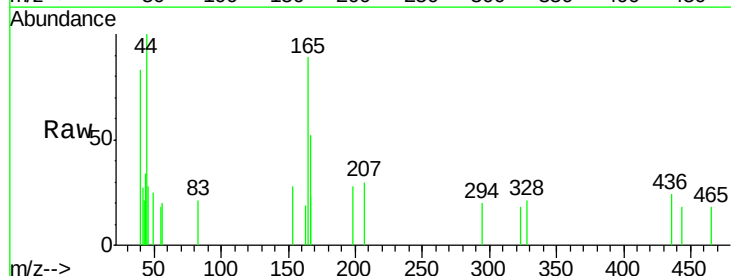
Tgt Ion:198 Resp: 84

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

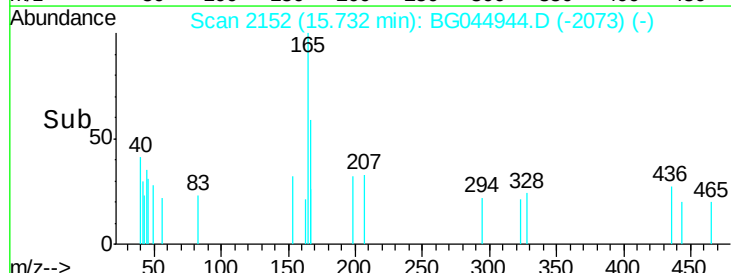
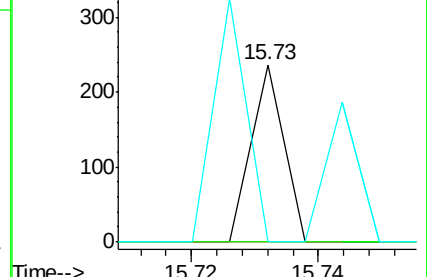
105 0.0 24.5 64.5#

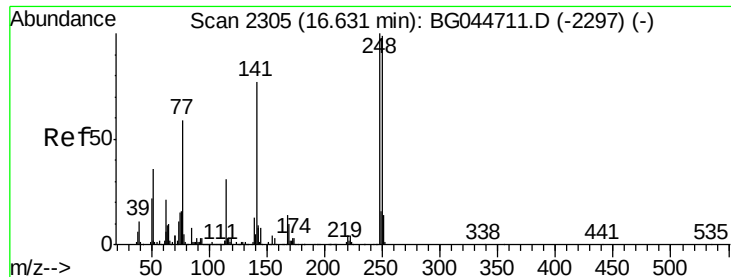


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

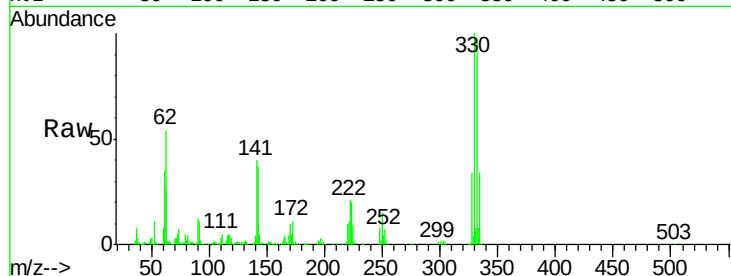




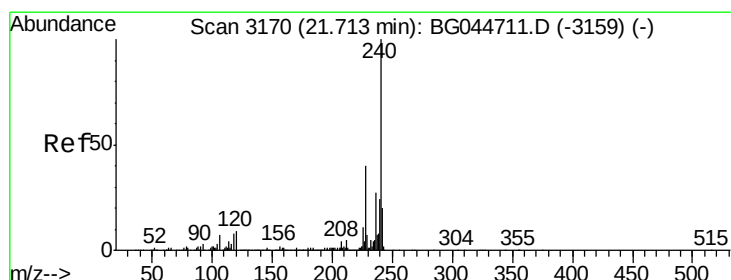
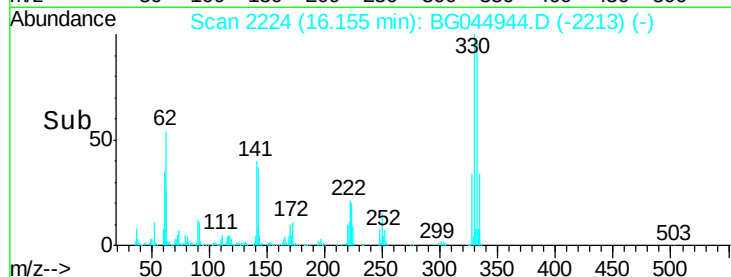
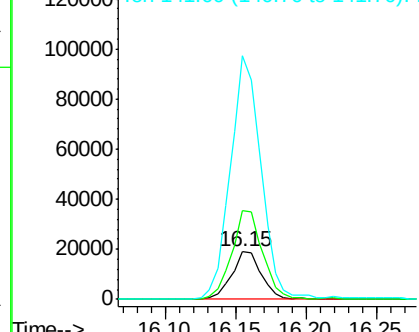
#67
 4-Bromophenyl-phenylether
 Concen: 5.18 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044944.D
 Acq: 25 Mar 2020 1:22

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-SB-0203

Tgt Ion:248 Resp: 27863
 Ion Ratio Lower Upper
 248 100
 250 185.8 77.9 116.9#
 141 512.1 57.5 86.3#

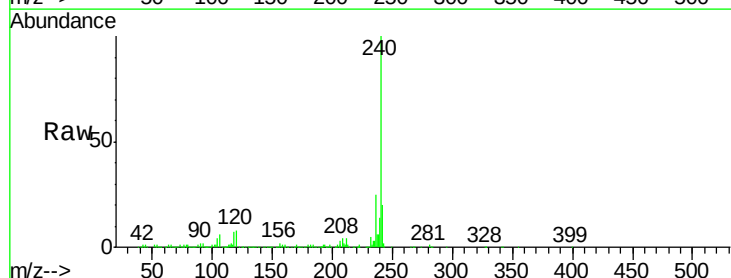


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

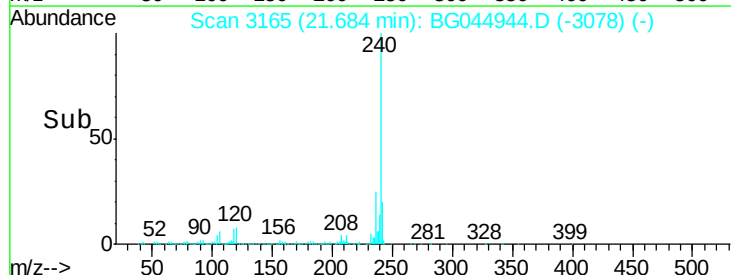
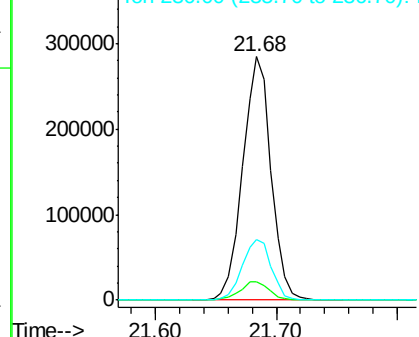


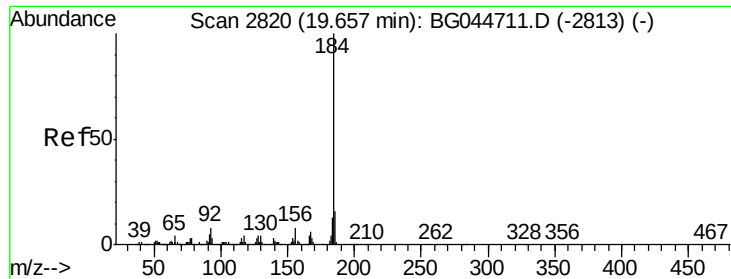
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044944.D
 Acq: 25 Mar 2020 1:22

Tgt Ion:240 Resp: 463679
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.7 10.1
 236 24.6 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: 3.17 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-SB-0203

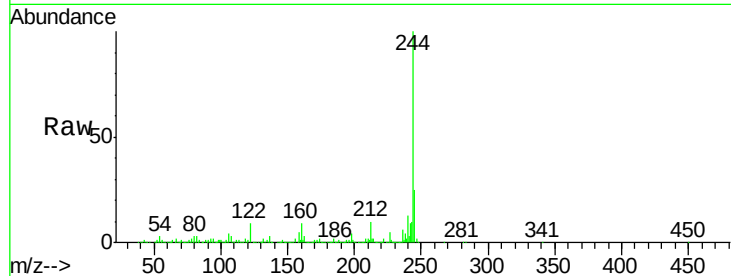
Tgt Ion:184 Resp: 47774

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.4

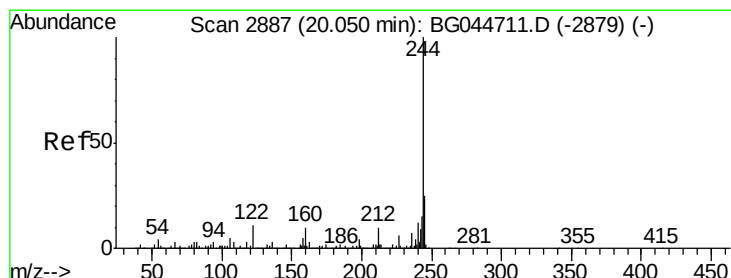
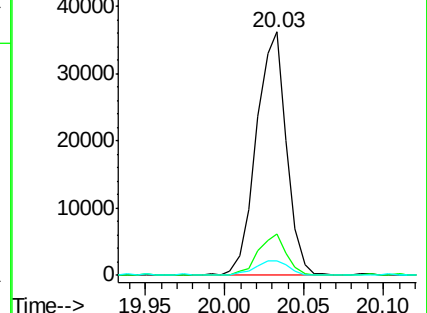
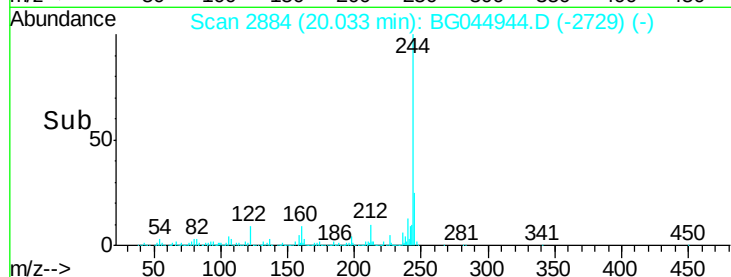
183 5.9 10.7 16.1#



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: 93.80 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044944.D

Acq: 25 Mar 2020 1:22

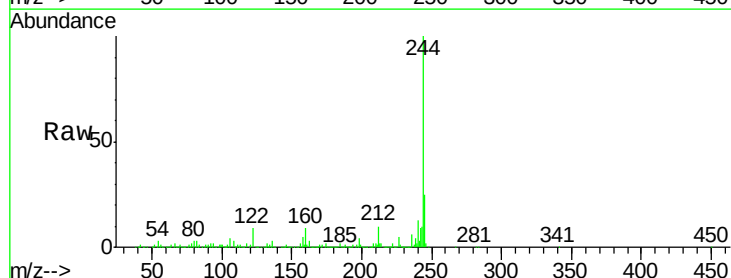
Tgt Ion:244 Resp: 2325188

Ion Ratio Lower Upper

244 100

212 10.4 7.7 11.5

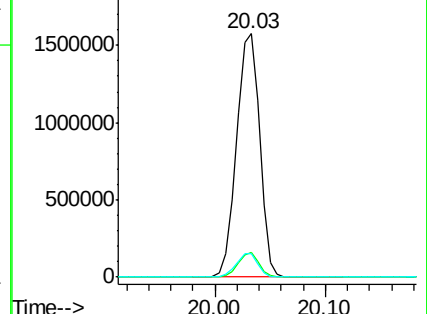
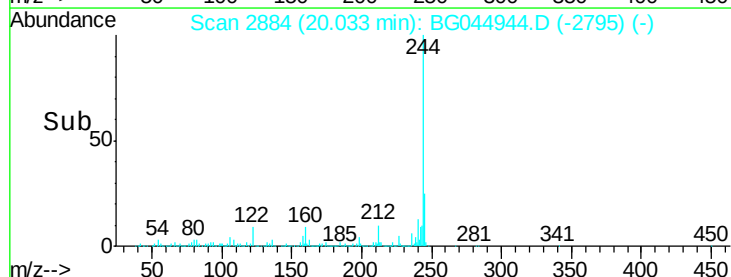
122 9.4 8.6 12.8

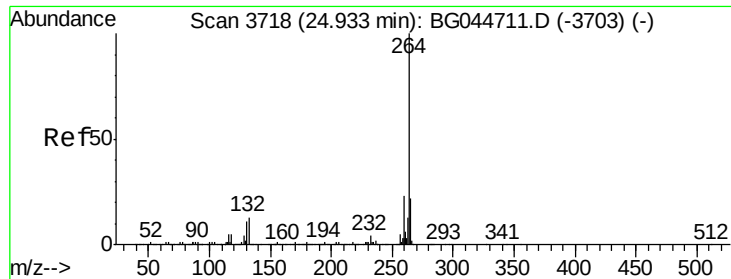


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

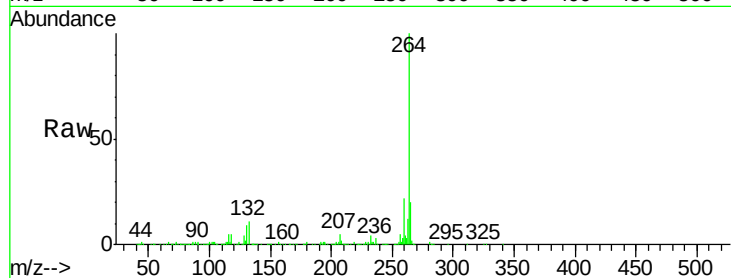




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044944.D
Acq: 25 Mar 2020 1:22

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-SB-0203

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.1	27.1
265	20.3	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

