

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044875.D
 Acq On : 18 Mar 2020 22:28
 Operator : CG/JU
 Sample : L1942-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-TP-10

Quant Time: Mar 19 01:43:47 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 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	77810	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	307785	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	214108	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	473670	20.00	ng	0.00
76) Chrysene-d12	21.69	240	461544	20.00	ng	-0.02
87) Perylene-d12	24.89	264	497875	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	331162	66.25	ng	0.00
7) Phenol-d6	7.20	99	310238	42.72	ng	0.00
23) Nitrobenzene-d5	9.20	82	620682	88.49	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	426373	152.09	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1349279	90.24	ng	0.00
79) Terphenyl-d14	20.03	244	2028736	82.22	ng	0.00

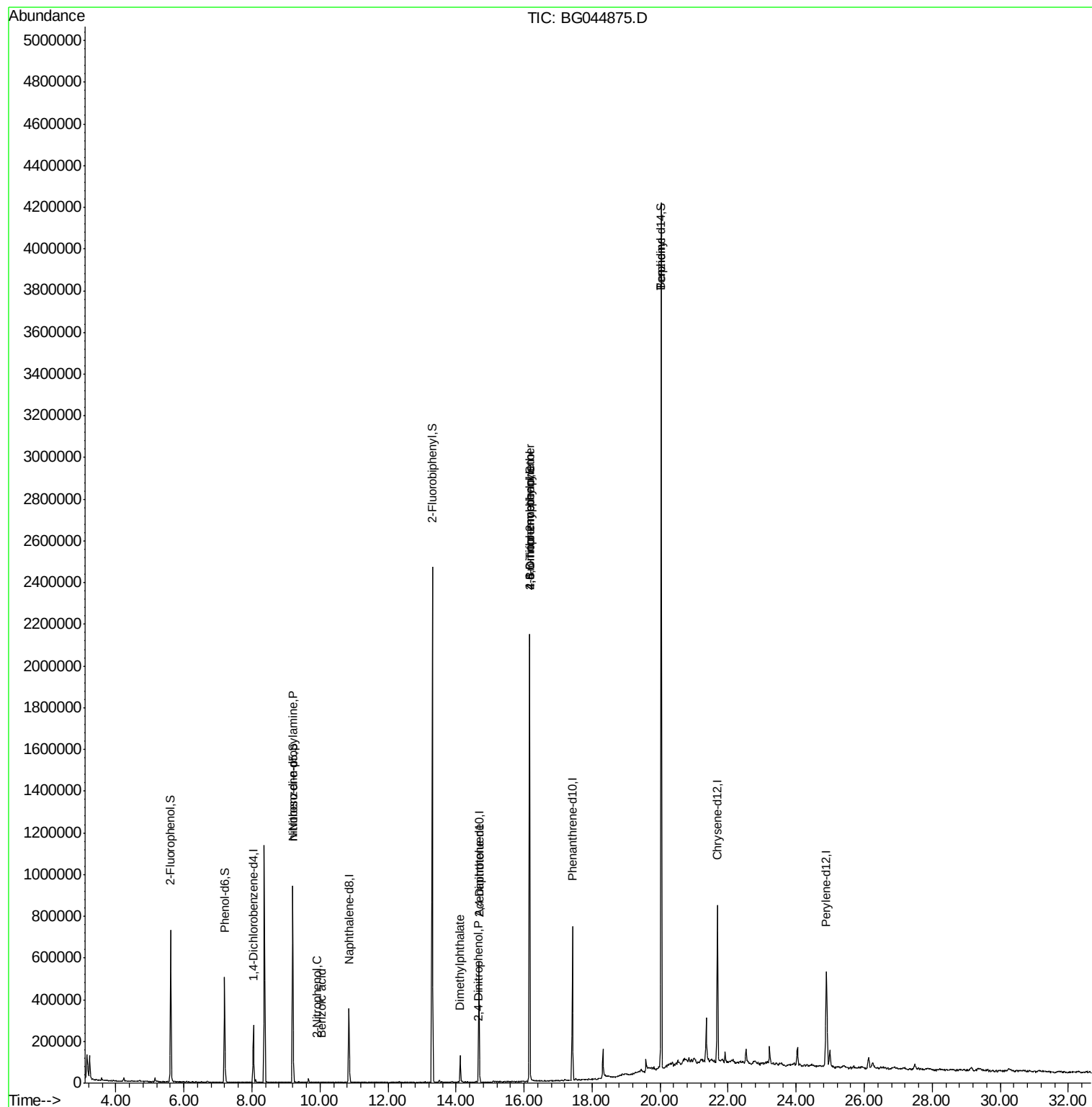
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	819	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	82301	16.05	ng	75
26) 2-Nitrophenol	9.90	139	56	5.53	ng	28
32) Benzoic acid	10.04	122	67	9.69	ng	1
50) Dimethylphthalate	14.12	163	91218	5.35	ng	94
54) 2,4-Dinitrophenol	14.65	184	64	8.35	ng	21
57) 2,4-Dinitrotoluene	14.68	165	27778	5.89	ng	21
65) 4,6-Dinitro-2-methylphenol	16.16	198	1627	8.34	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	29939	5.06	ng	1
77) Benzidine	20.03	184	38396	2.56	ng	95

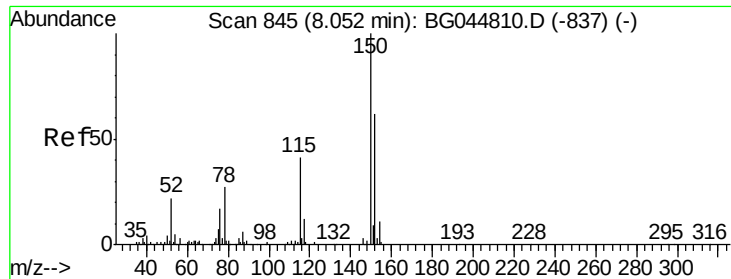
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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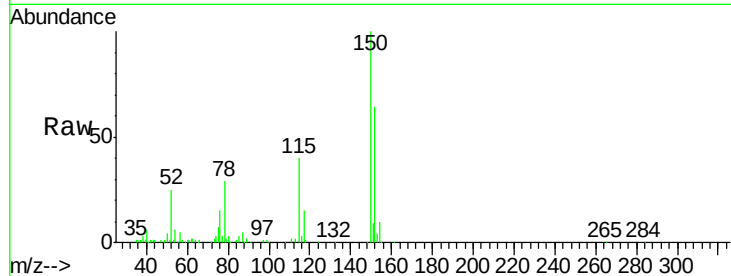


#1

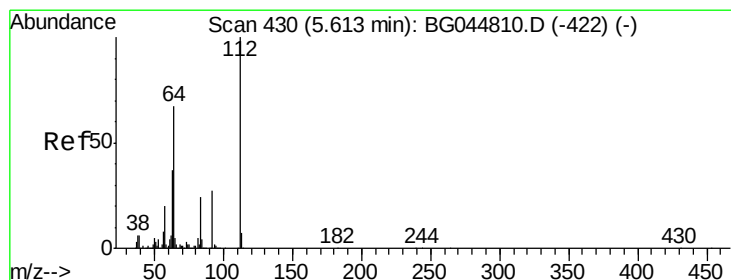
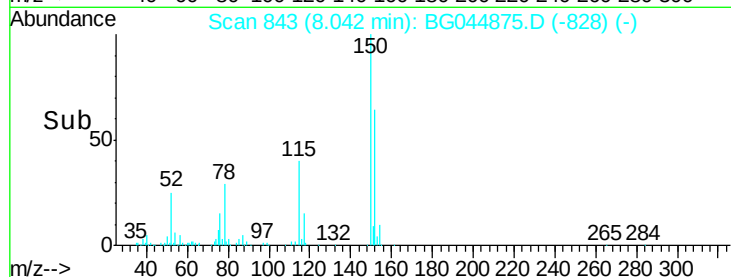
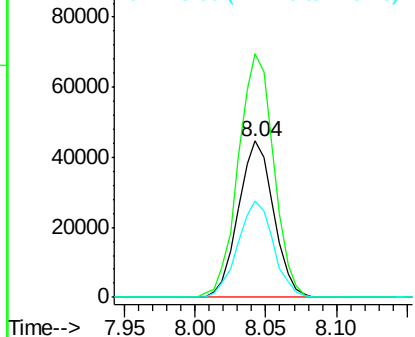
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Instrument :
BNA_G
ClientSampleId :
GW-TP-10

Tgt Ion:152 Resp: 77810
Ion Ratio Lower Upper
152 100
150 155.6 128.8 193.2
115 61.6 52.6 79.0



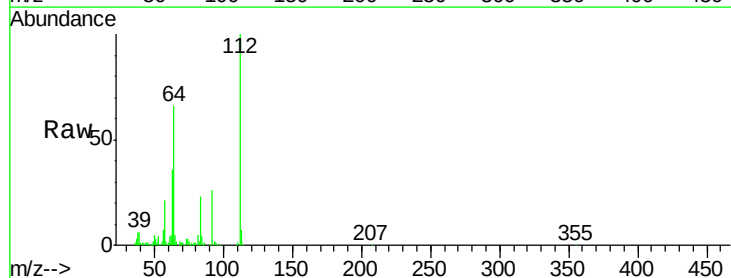
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



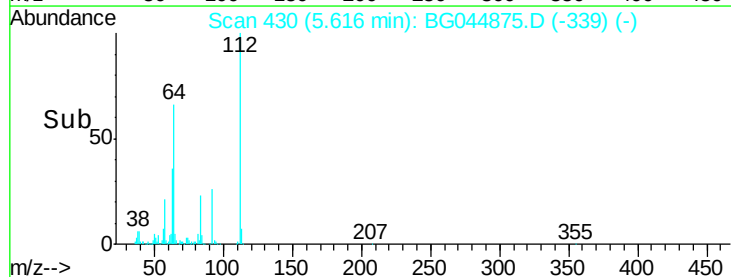
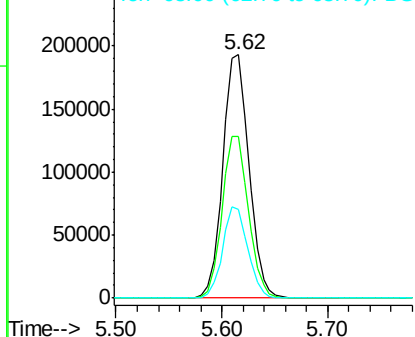
#5

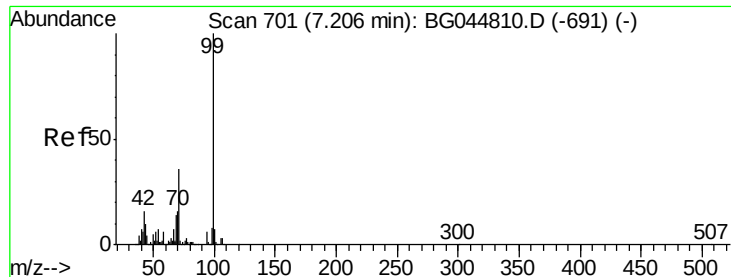
2-Fluorophenol
Concen: 66.25 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Tgt Ion:112 Resp: 331162
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 36.4 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 42.72 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Instrument :

BNA_G

ClientSampleId :

GW-TP-10

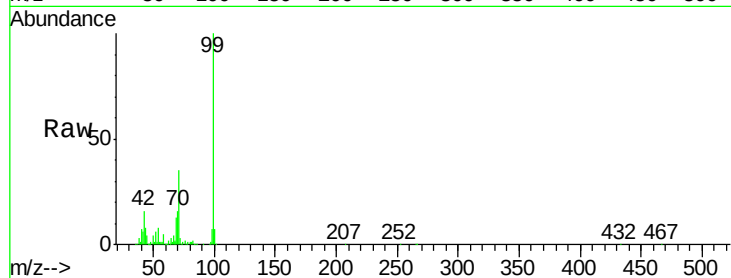
Tgt Ion: 99 Resp: 310238

Ion Ratio Lower Upper

99 100

42 16.5 12.6 19.0

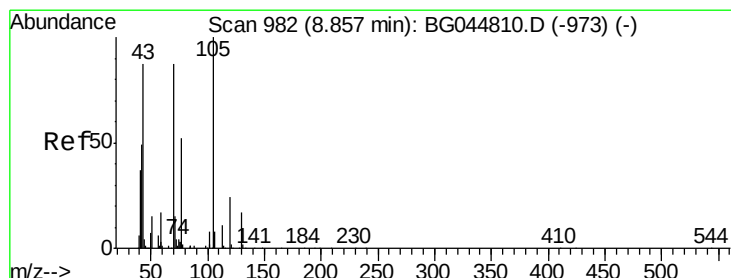
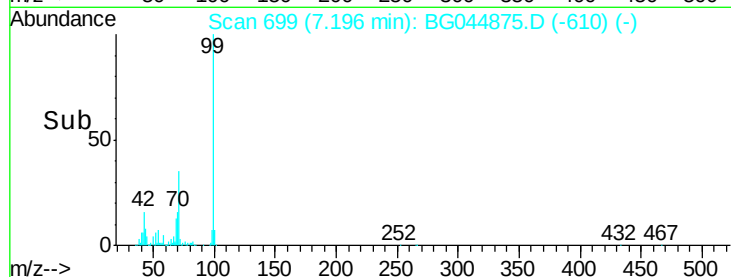
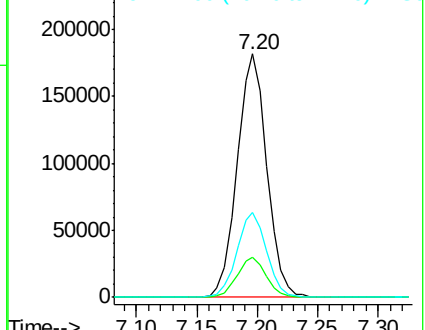
71 34.6 29.0 43.4



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: 16.05 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Tgt Ion: 70 Resp: 82301

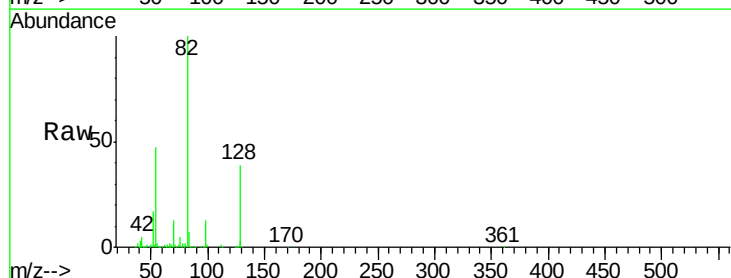
Ion Ratio Lower Upper

70 100

42 42.6 45.7 68.5#

101 0.0 7.4 11.2#

130 2.2 15.9 23.9#

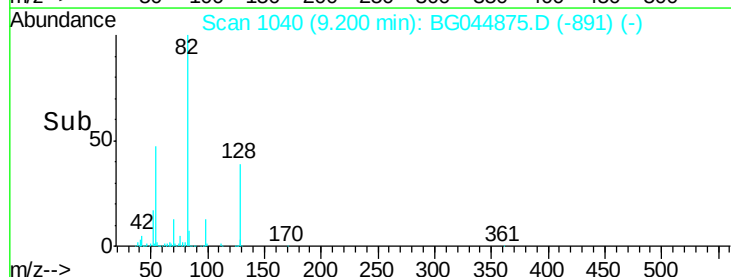
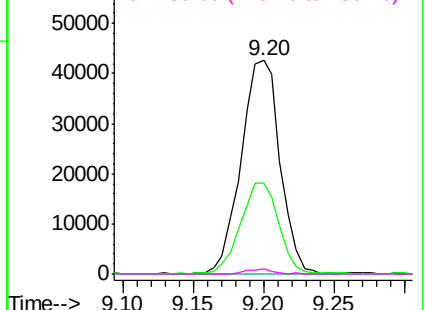


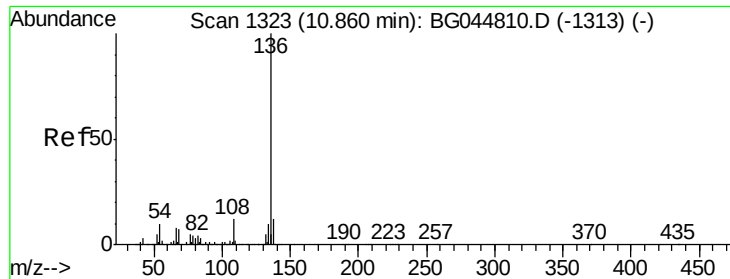
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

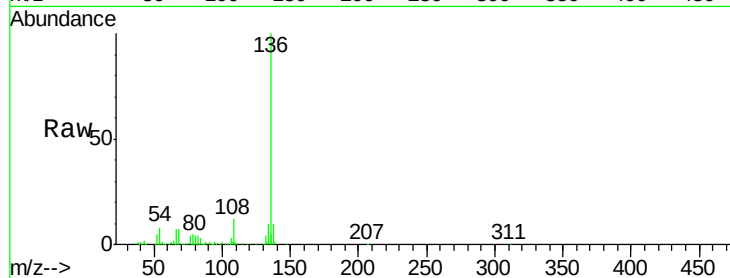




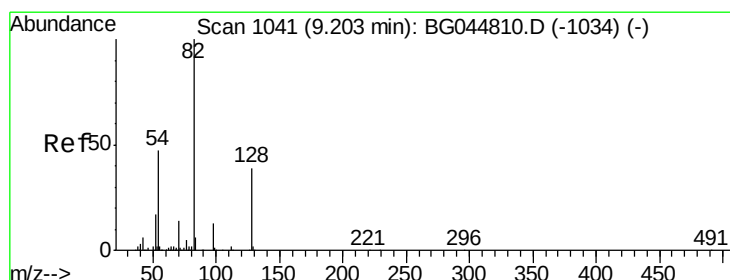
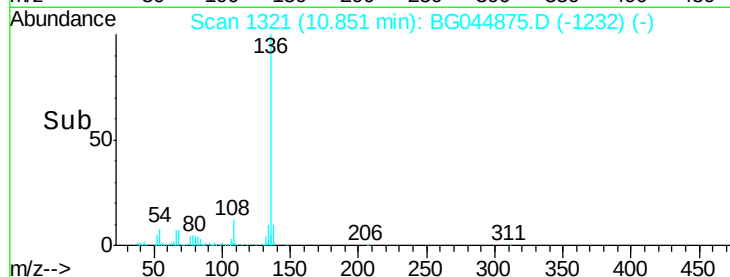
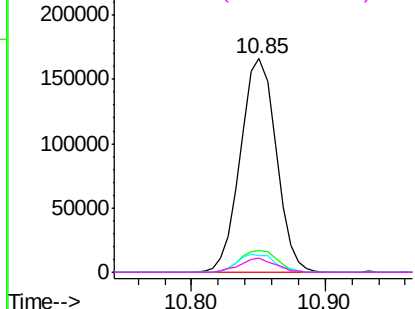
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Instrument :
BNA_G
ClientSampleId :
GW-TP-10

Tgt Ion:	136	Resp:	307785
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.8	14.6
54	7.9	7.9	11.9#
68	6.6	5.4	8.0

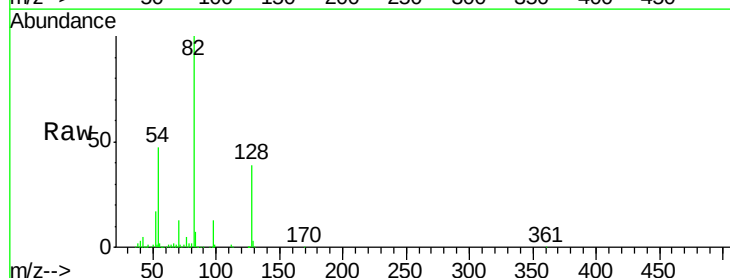


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

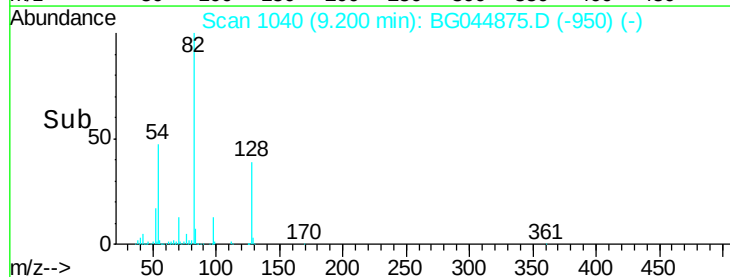
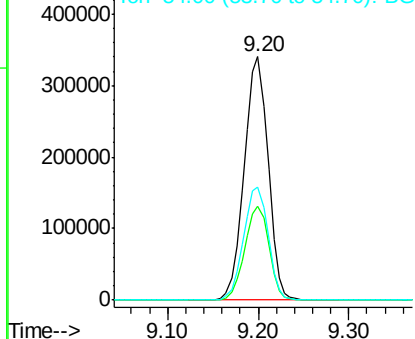


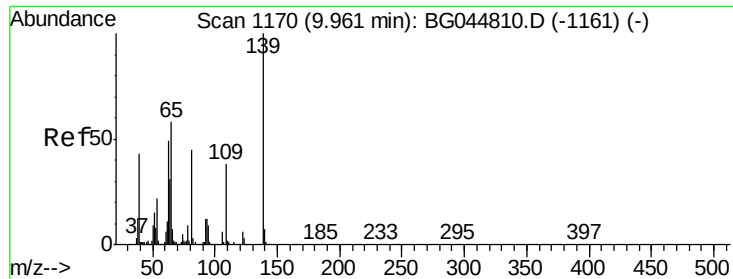
#23
Nitrobenzene-d5
Concen: 88.49 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Tgt Ion:	82	Resp:	620682
Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.6	46.0
54	46.6	37.1	55.7



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

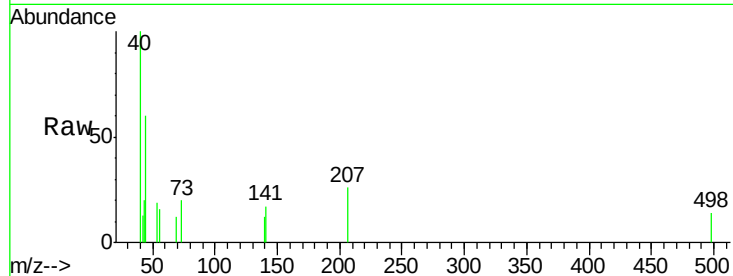




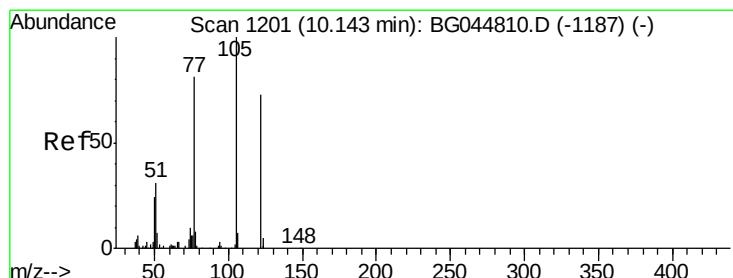
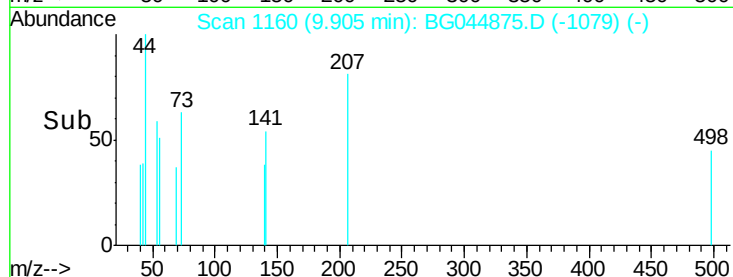
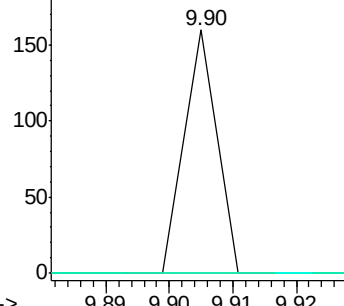
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.90 min Scan# 1160
Delta R.T. -0.06 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Instrument :
BNA_G
ClientSampleId :
GW-TP-10

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

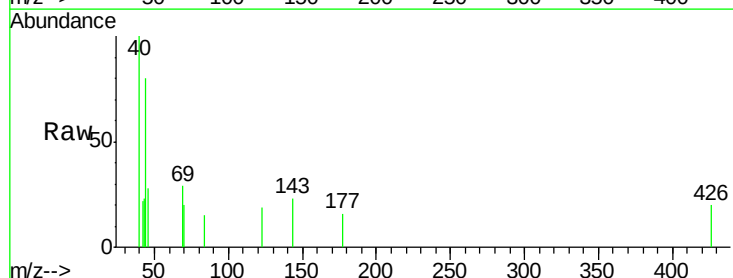


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

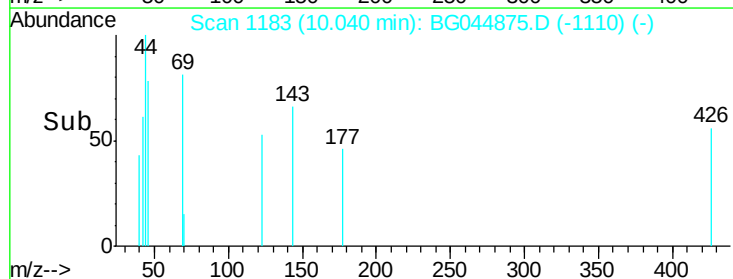
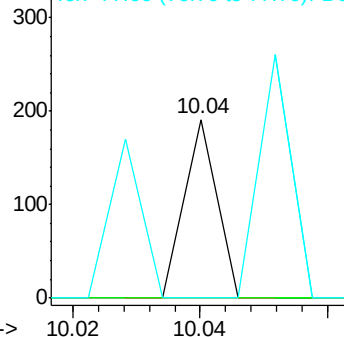


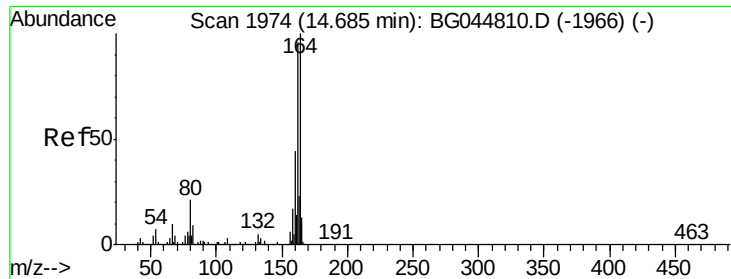
#32
Benzoic acid
Concen: 9.69 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

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: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Instrument :

BNA_G

ClientSampleId :

GW-TP-10

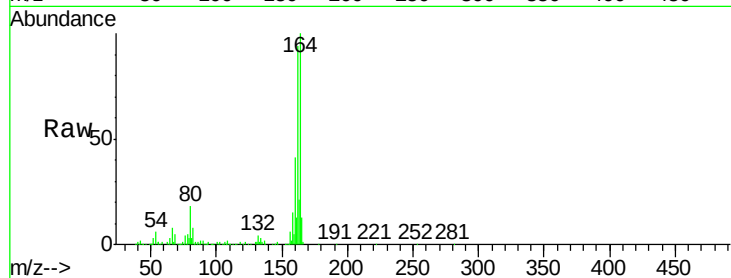
Tgt Ion:164 Resp: 214108

Ion Ratio Lower Upper

164 100

162 94.3 76.7 115.1

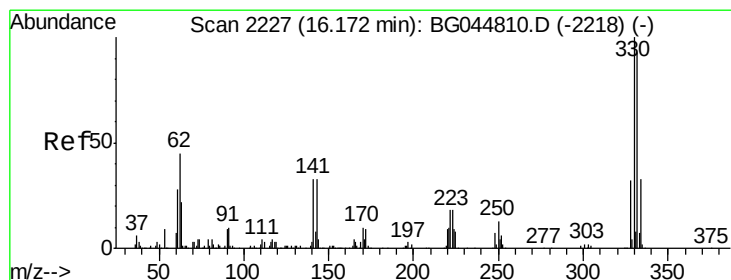
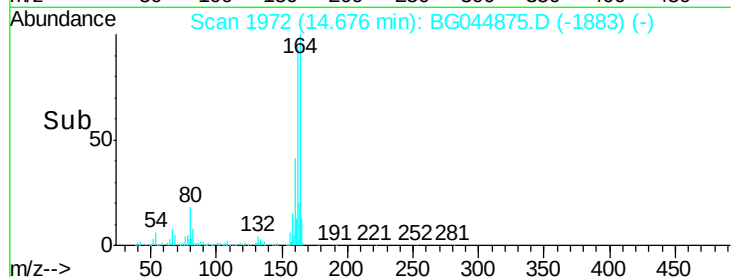
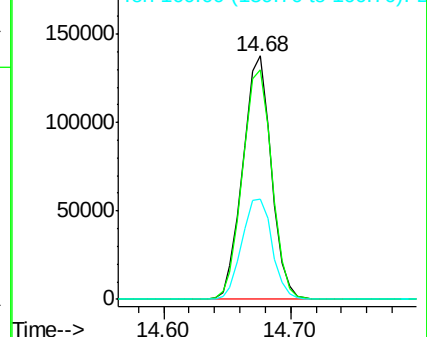
160 41.2 35.0 52.4



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: 152.09 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

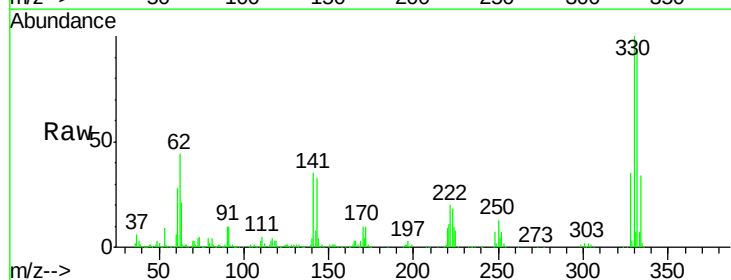
Tgt Ion:330 Resp: 426373

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.6

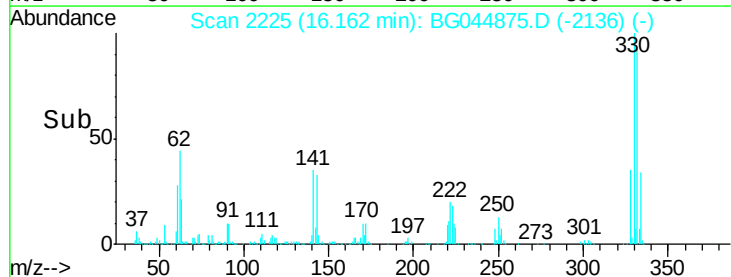
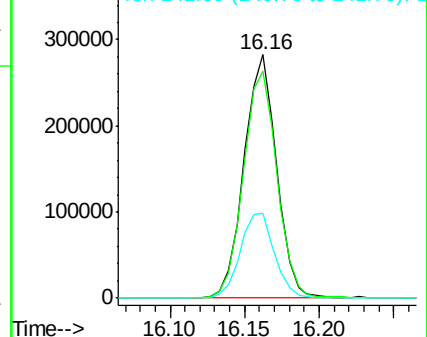
141 37.1 29.5 44.3

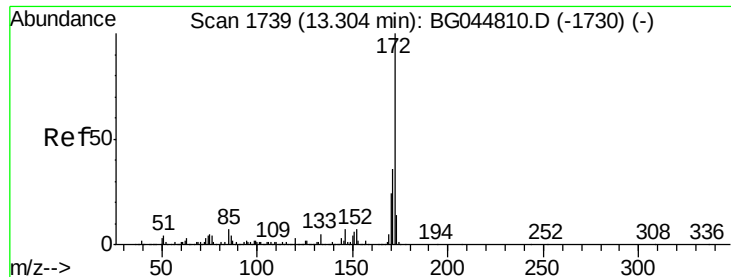


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

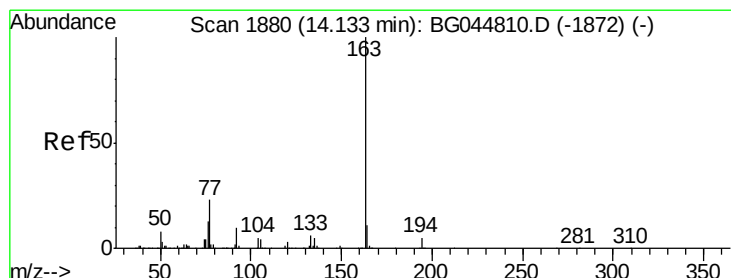
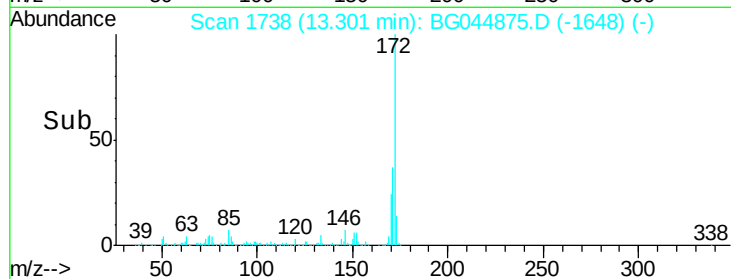
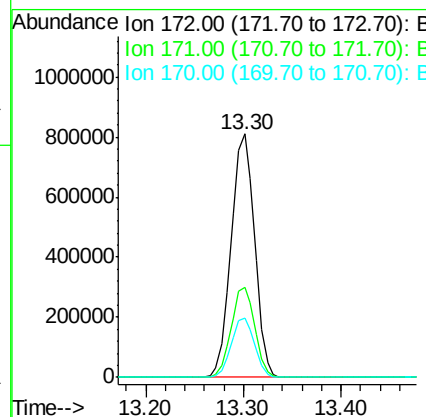
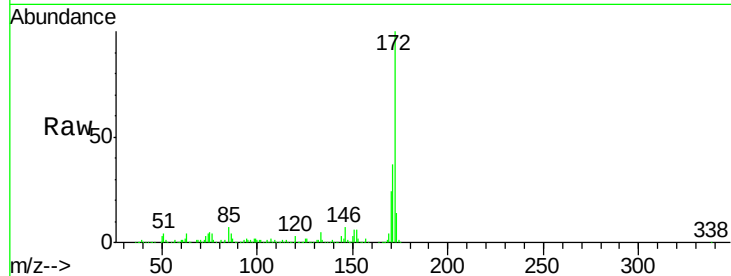




#45
2-Fluorobiphenyl
Concen: 90.24 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

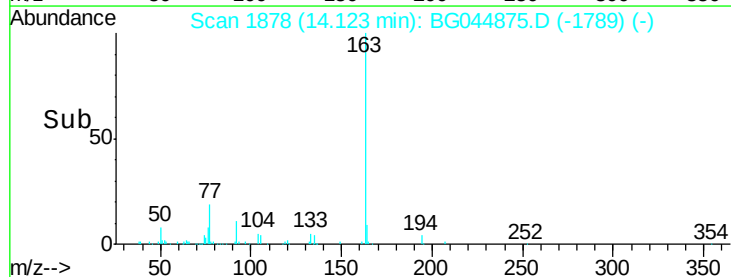
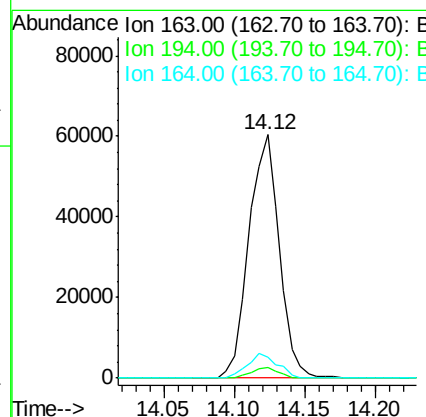
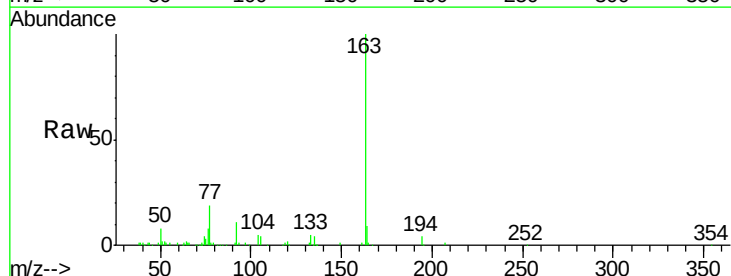
Instrument :
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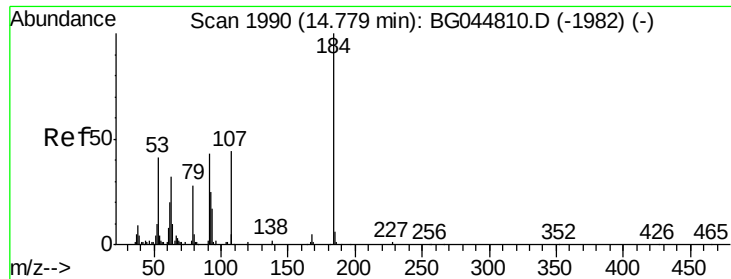
Tgt Ion:172 Resp: 1349279
Ion Ratio Lower Upper
172 100
171 37.0 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 5.35 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Tgt Ion:163 Resp: 91218
Ion Ratio Lower Upper
163 100
194 4.2 3.7 5.5
164 8.6 9.1 13.7#





#54

2,4-Dinitrophenol

Concen: 8.35 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.13 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Instrument :

BNA_G

ClientSampleId :

GW-TP-10

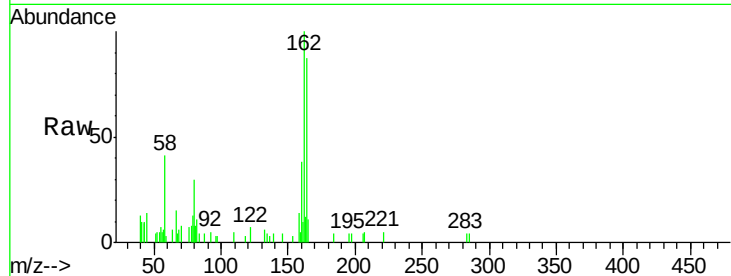
Tgt Ion:184 Resp: 64

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

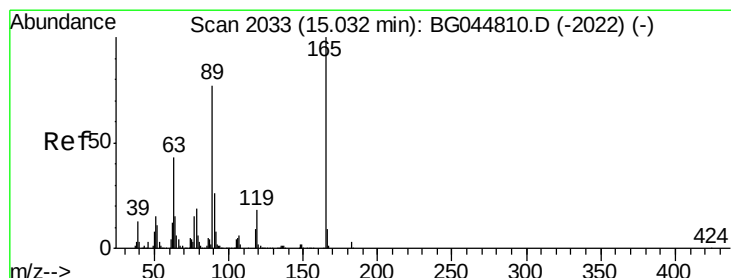
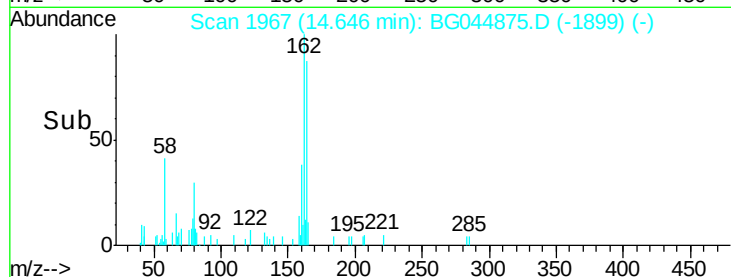
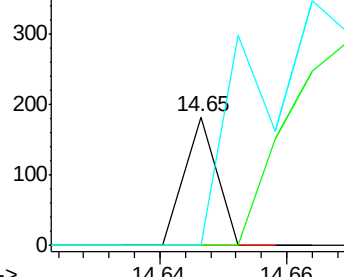
154 0.0 49.1 73.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.89 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Tgt Ion:165 Resp: 27778

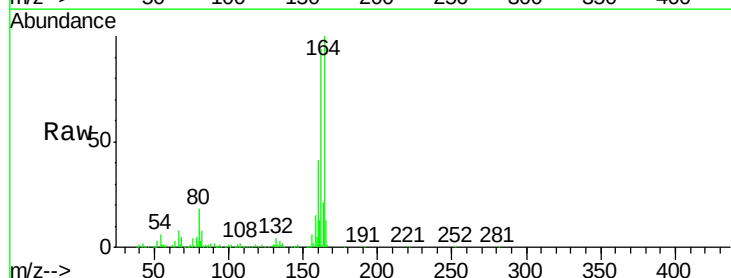
Ion Ratio Lower Upper

165 100

63 1.3 34.6 52.0#

89 0.0 61.3 91.9#

182 0.0 2.2 3.2#

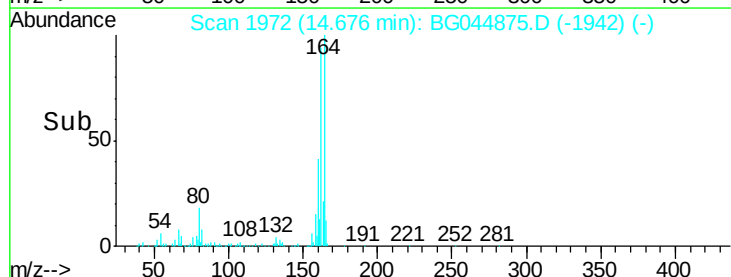
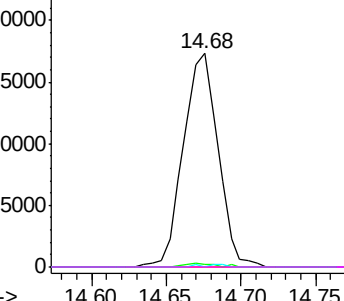


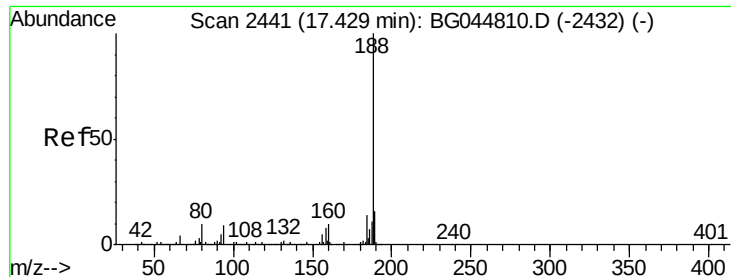
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG044875.D

Acq: 18 Mar 2020 22:28

Instrument :

BNA_G

ClientSampleId :

GW-TP-10

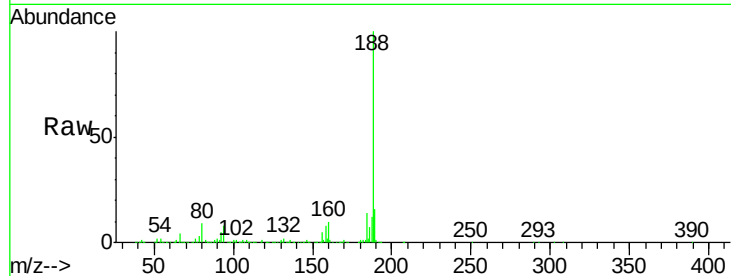
Tgt Ion:188 Resp: 473670

Ion Ratio Lower Upper

188 100

94 8.0 7.3 10.9

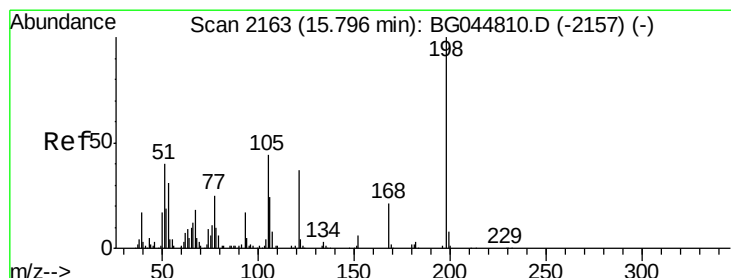
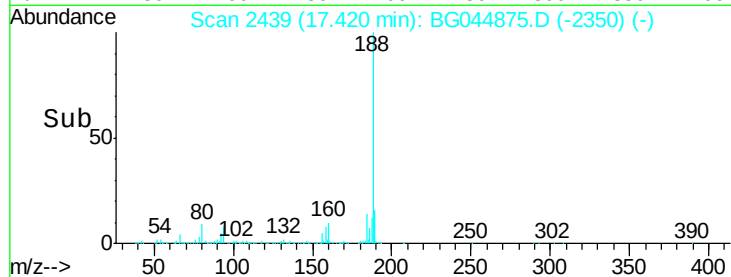
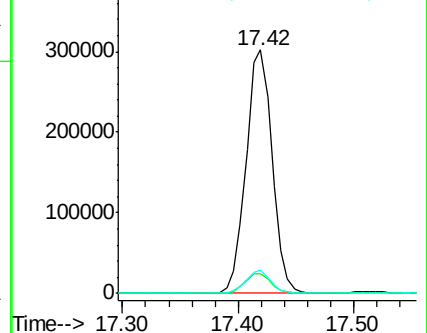
80 9.4 8.0 12.0



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: 8.34 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.37 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

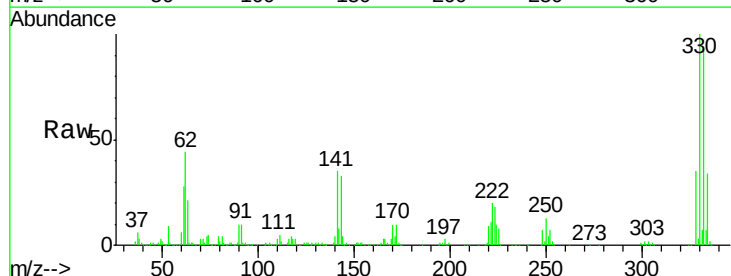
Tgt Ion:198 Resp: 1627

Ion Ratio Lower Upper

198 100

51 110.9 21.1 61.1#

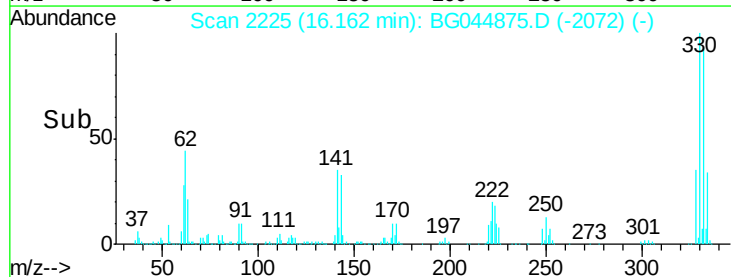
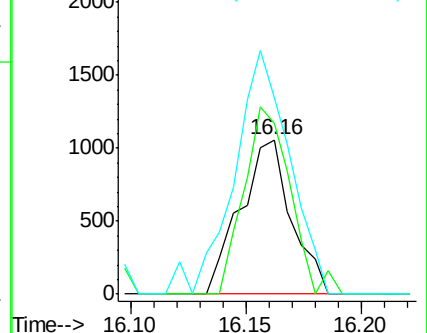
105 127.7 24.5 64.5#

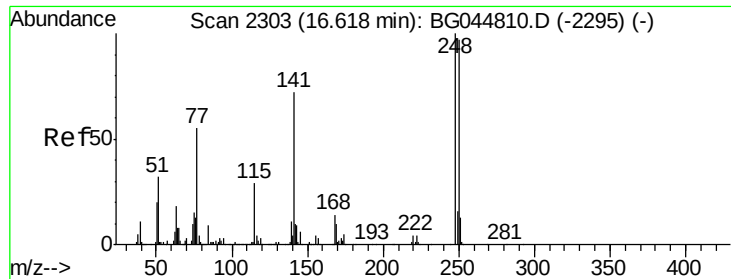


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

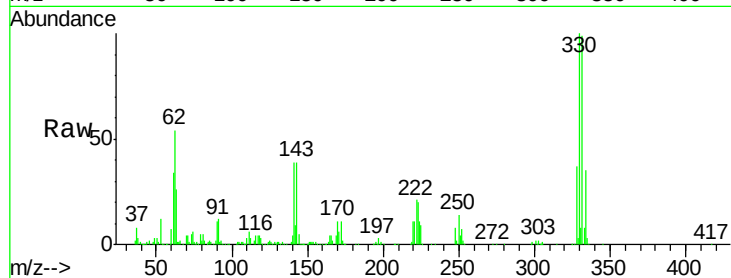




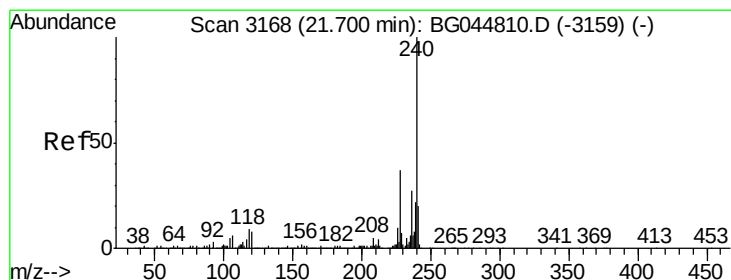
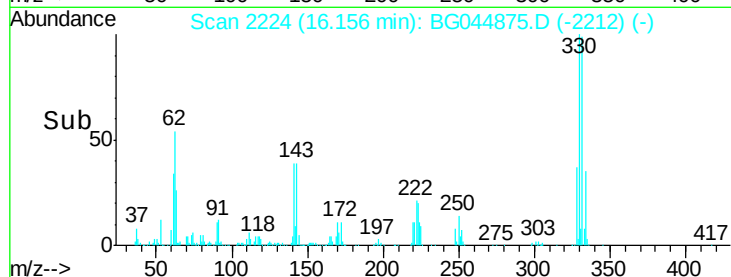
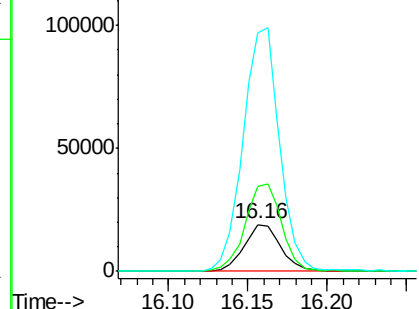
#67
4-Bromophenyl-phenylether
Concen: 5.06 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.46 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Instrument :
BNA_G
ClientSampleId :
GW-TP-10

Tgt Ion:248 Resp: 29939
Ion Ratio Lower Upper
248 100
250 181.7 77.9 116.9#
141 508.9 57.5 86.3#

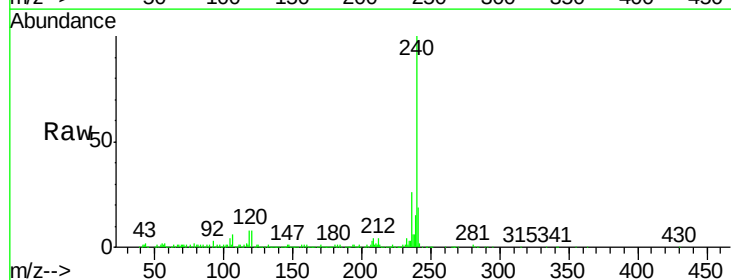


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

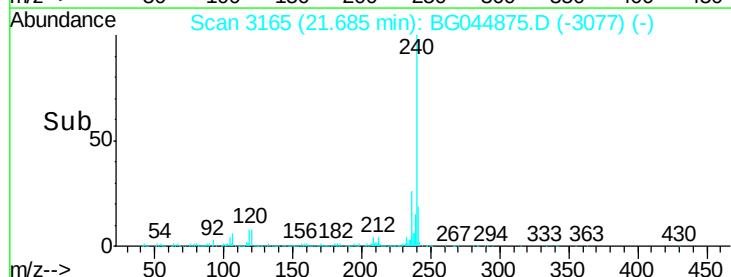
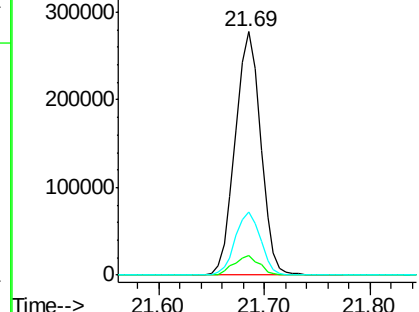


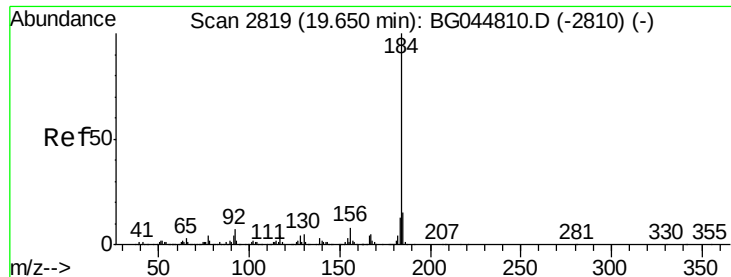
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Tgt Ion:240 Resp: 461544
Ion Ratio Lower Upper
240 100
120 7.8 6.7 10.1
236 26.1 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: 2.56 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

Instrument :

BNA_G

ClientSampleId :

GW-TP-10

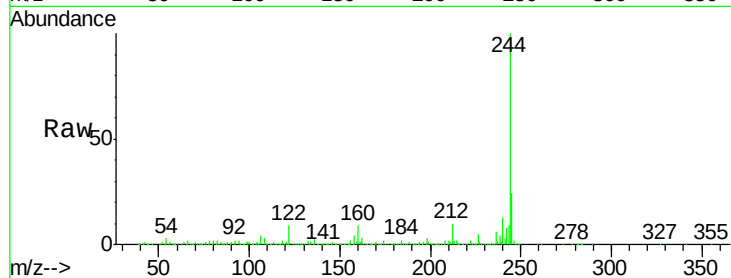
Tgt Ion:184 Resp: 38396

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.4

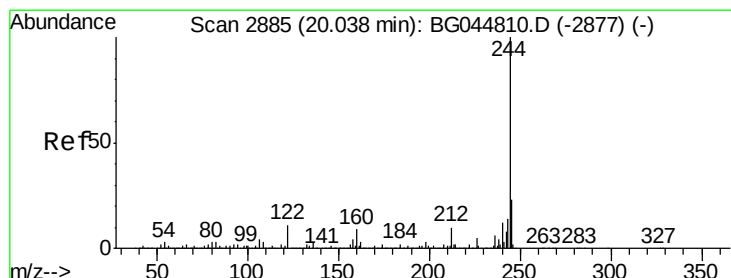
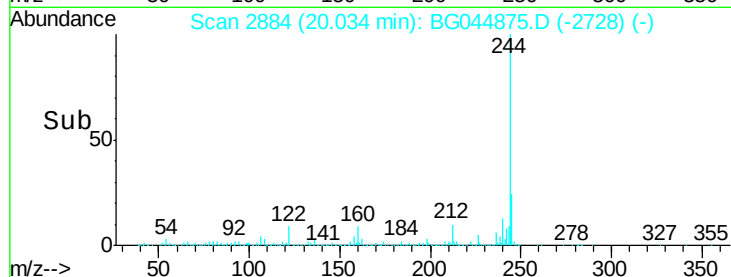
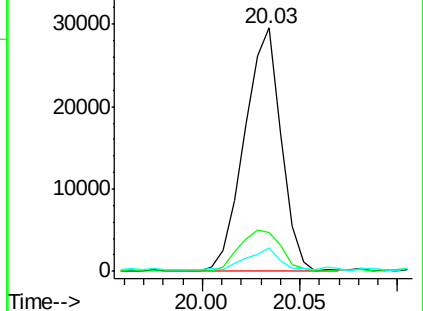
183 9.5 10.7 16.1#



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: 82.22 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044875.D

Acq: 18 Mar 2020 22:28

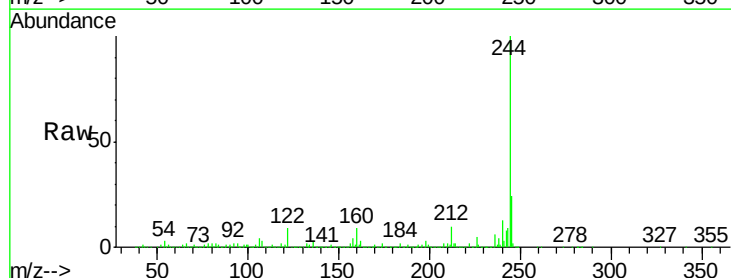
Tgt Ion:244 Resp: 2028736

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

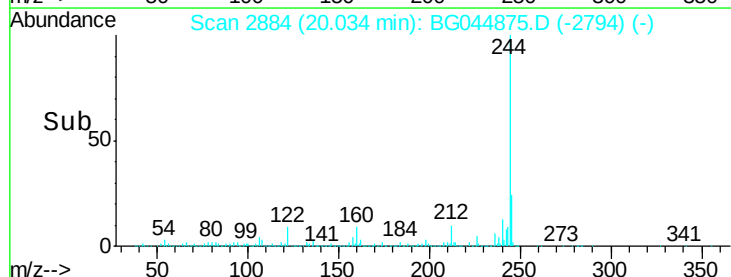
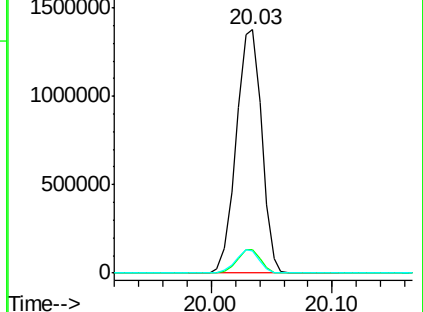
122 9.1 8.6 12.8

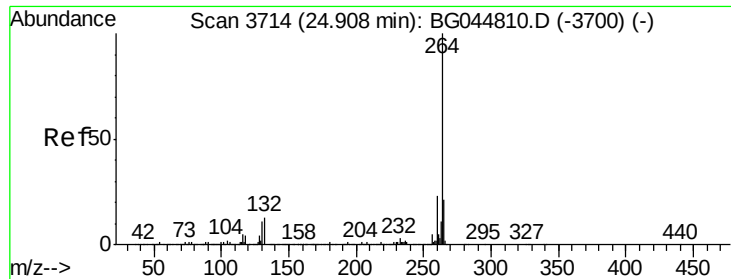


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044875.D
Acq: 18 Mar 2020 22:28

Instrument :
BNA_G
ClientSampleId :
GW-TP-10

Tgt Ion:	264	Resp:	497875
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.1	27.1
265	20.7	17.1	25.7

