

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044790.D
 Acq On : 14 Mar 2020 8:48
 Operator : CG/JU
 Sample : L1826-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MC5B39

Quant Time: Mar 16 01:34:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

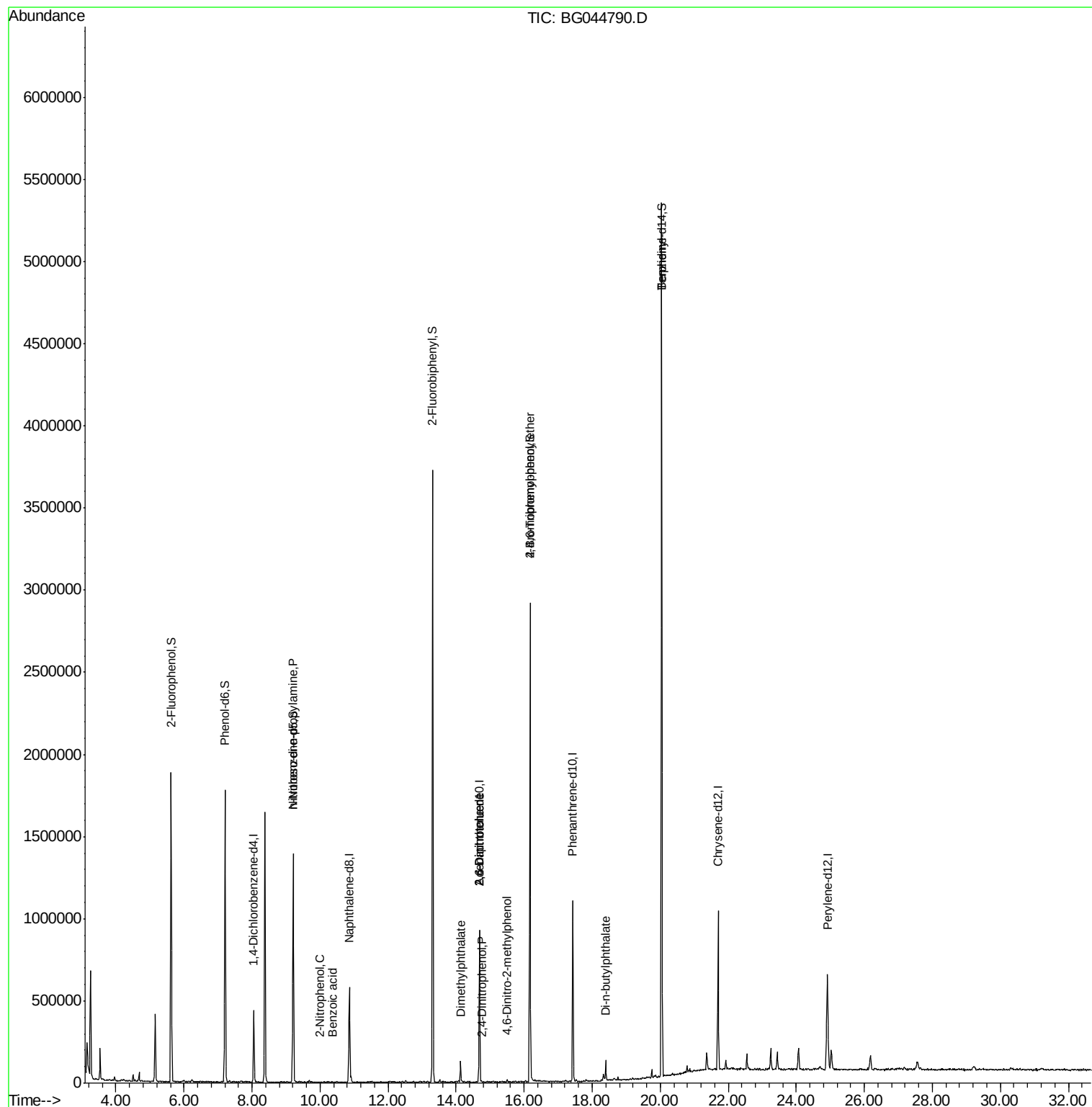
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	120969	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	493344	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	332517	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	689986	20.00	ng	0.00
76) Chrysene-d12	21.69	240	569456	20.00	ng	-0.02
87) Perylene-d12	24.91	264	633452	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	824824	106.14	ng	0.00
7) Phenol-d6	7.21	99	1076616	95.36	ng	0.00
23) Nitrobenzene-d5	9.21	82	902404	80.27	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	541021	124.26	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1848685	79.62	ng	0.00
79) Terphenyl-d14	20.04	244	2408248	79.11	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	2575	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	122137	15.32 ng	#	76
26) 2-Nitrophenol	10.00	139	92	5.54 ng	#	28
32) Benzoic acid	10.38	122	65	9.68 ng	#	1
50) Dimethylphthalate	14.13	163	84652	3.20 ng	#	99
51) 2,6-Dinitrotoluene	14.69	165	42383	7.94 ng	#	20
54) 2,4-Dinitrophenol	14.77	184	54	8.34 ng	#	62
57) 2,4-Dinitrotoluene	14.69	165	42383	5.79 ng	#	18
65) 4,6-Dinitro-2-methylphenol	15.50	198	68	7.75 ng	#	1
67) 4-Bromophenyl-phenylether	16.17	248	39009	4.52 ng	#	1
74) Di-n-butylphthalate	18.40	149	87518	2.06 ng	#	94
77) Benzidine	20.04	184	49714	2.69 ng	#	90

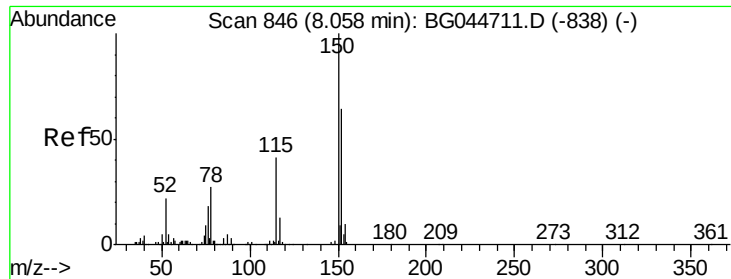
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
Data File : BG044790.D
Acq On : 14 Mar 2020 8:48
Operator : CG/JU
Sample : L1826-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MC5B39

Quant Time: Mar 16 01:34:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration



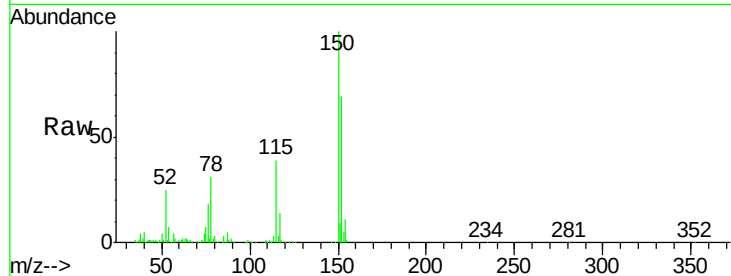


#1

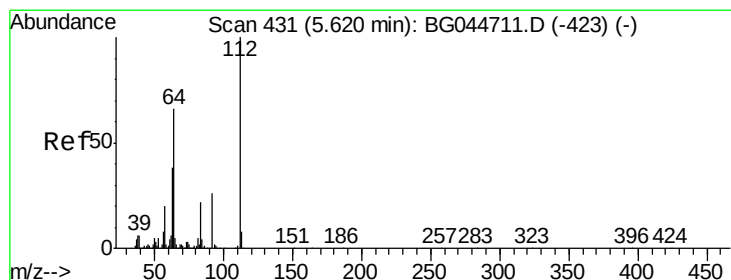
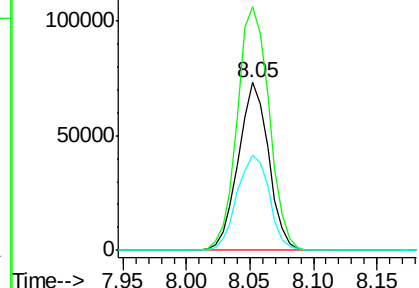
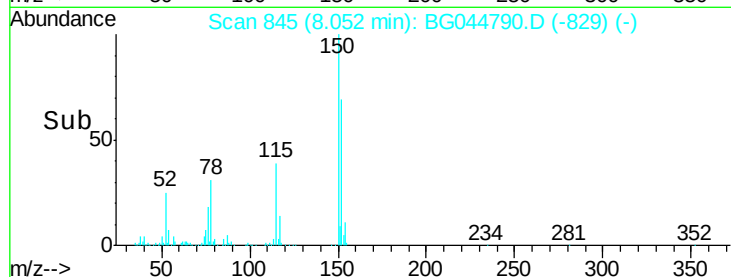
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Instrument :
BNA_G
ClientSampleId :
MC5B39

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.0	125.3	187.9
115	56.5	51.7	77.5



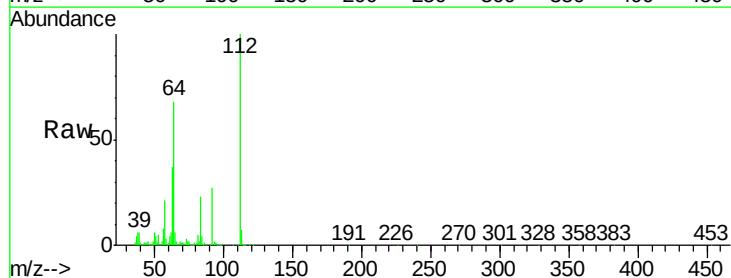
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



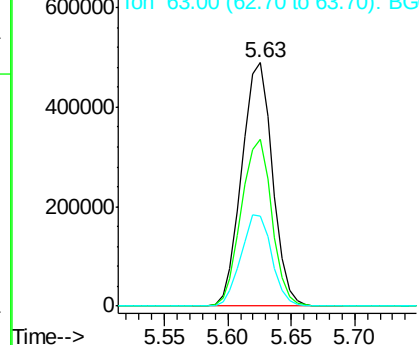
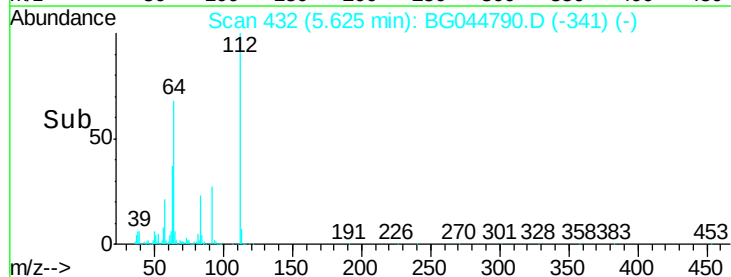
#5

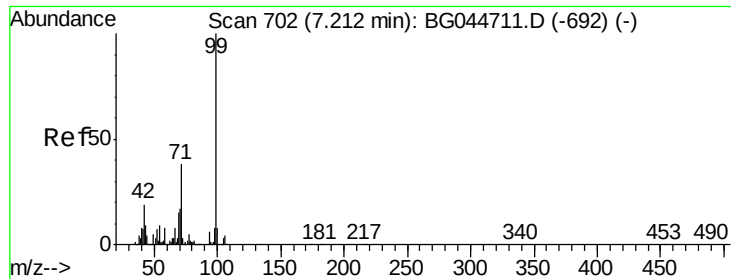
2-Fluorophenol
Concen: 106.14 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	52.6	78.8
63	37.2	30.2	45.4



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: 95.36 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampleId :

MC5B39

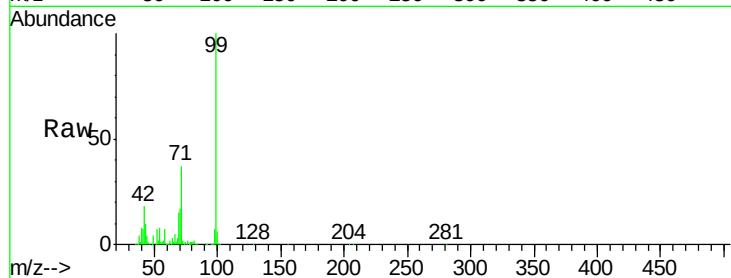
Tgt Ion: 99 Resp: 1076616

Ion Ratio Lower Upper

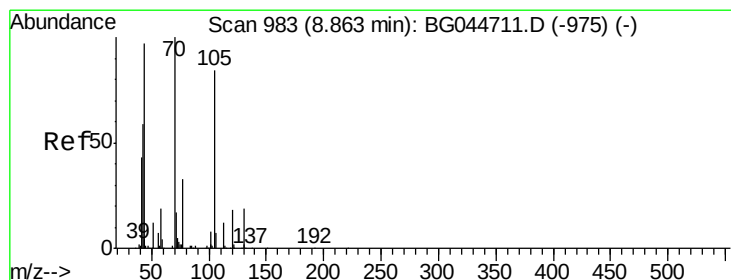
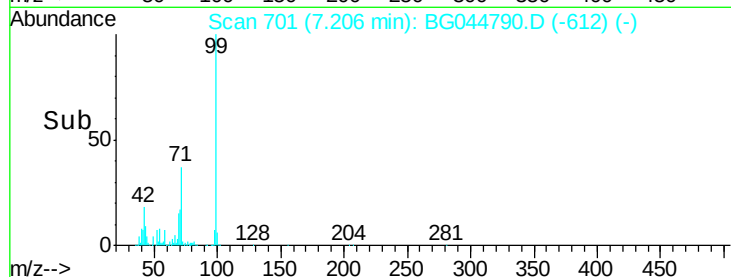
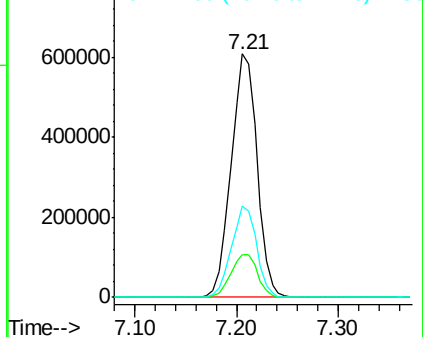
99 100

42 17.7 15.4 23.0

71 37.4 30.2 45.4



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: 15.32 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Tgt Ion: 70 Resp: 122137

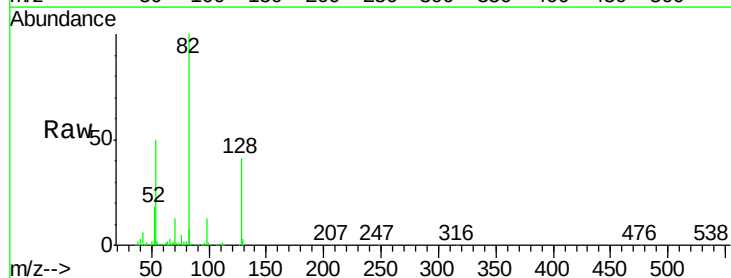
Ion Ratio Lower Upper

70 100

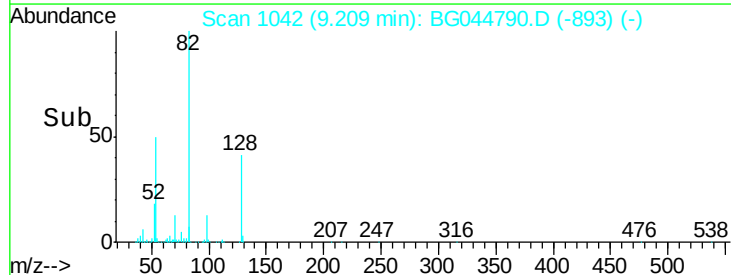
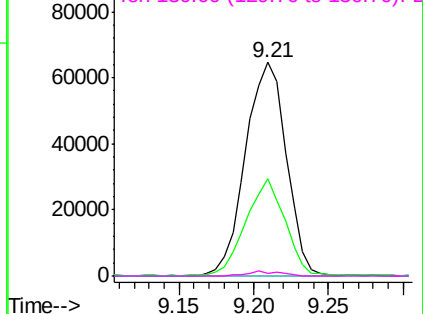
42 45.4 47.6 71.4#

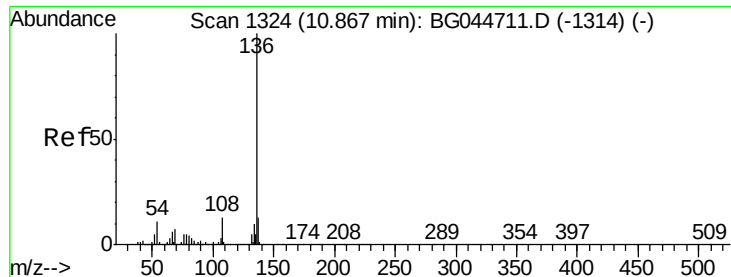
101 0.0 6.5 9.7#

130 1.1 15.0 22.4#



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

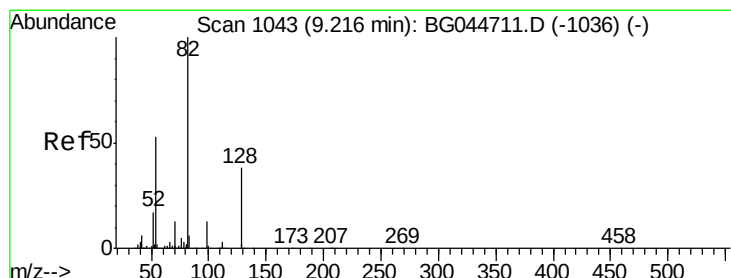
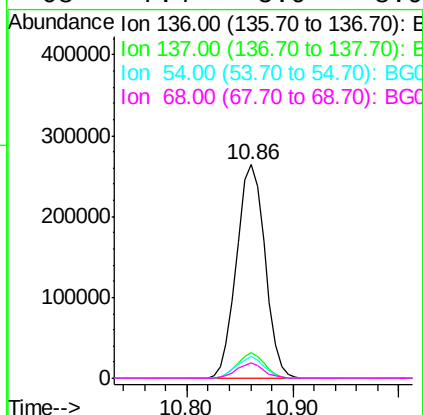
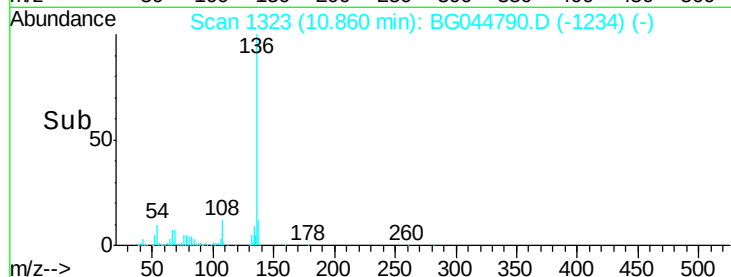
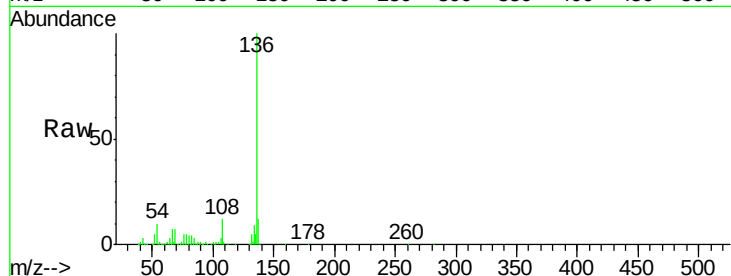




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

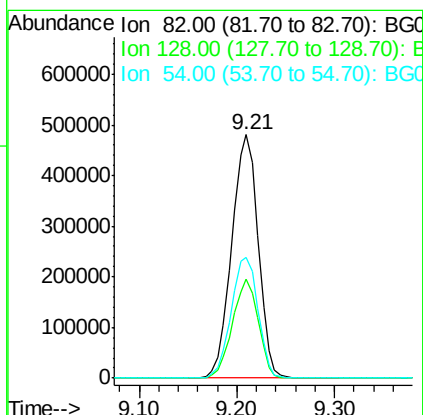
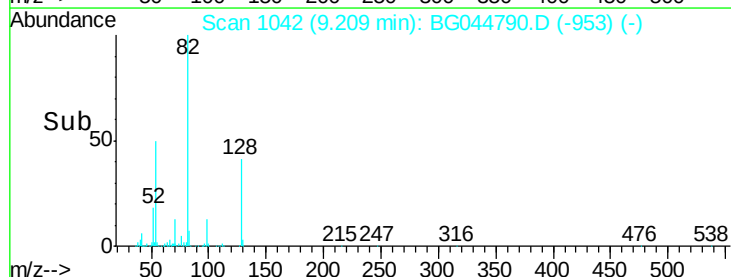
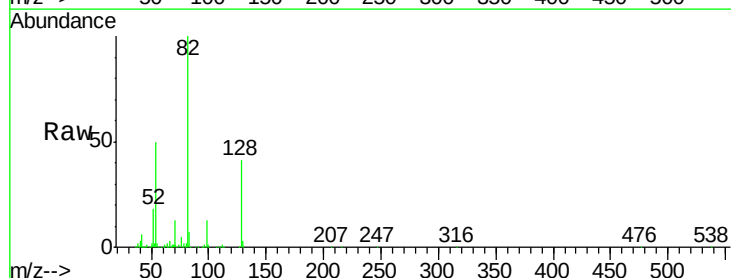
Instrument :
BNA_G
ClientSampleId :
MC5B39

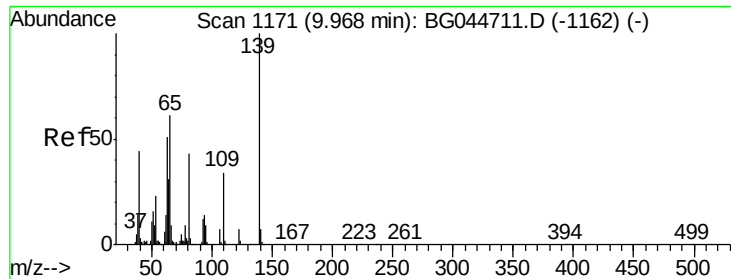
Tgt Ion:	136	Resp:	493344
Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.7	16.1
54	10.1	9.0	13.4
68	7.4	5.9	8.9



#23
Nitrobenzene-d5
Concen: 80.27 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Tgt Ion:	82	Resp:	902404
Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.2	45.2
54	49.6	41.8	62.8

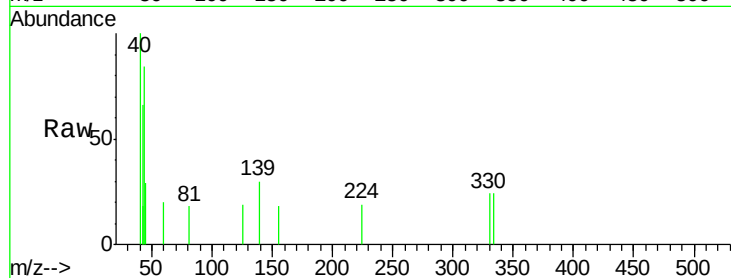




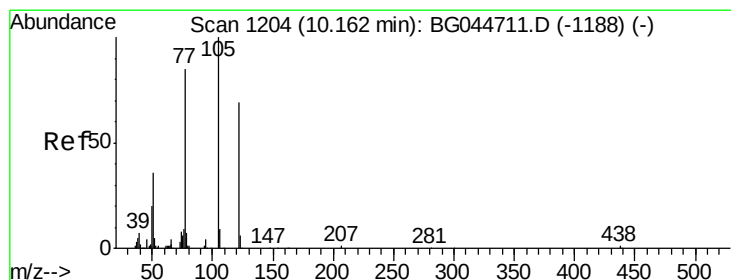
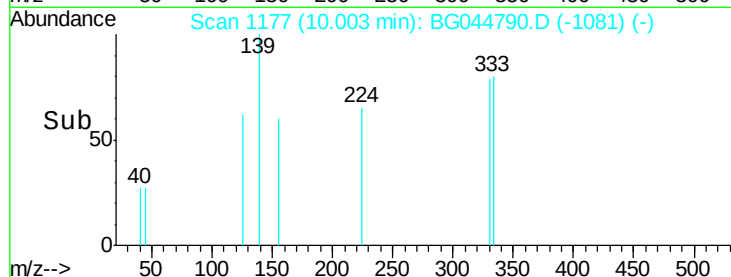
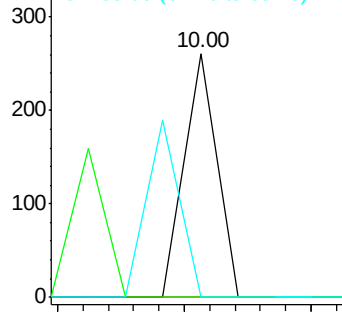
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 10.00 min Scan# 1177
Delta R.T. 0.04 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Instrument :
BNA_G
ClientSampleId :
MC5B39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

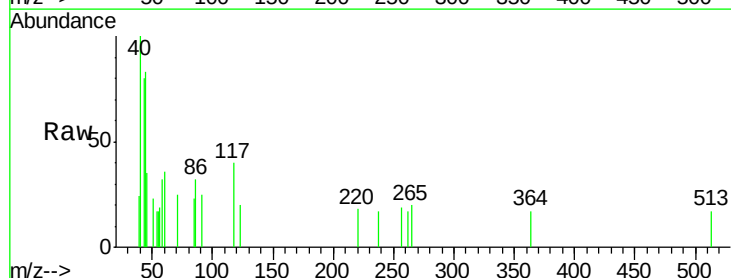


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

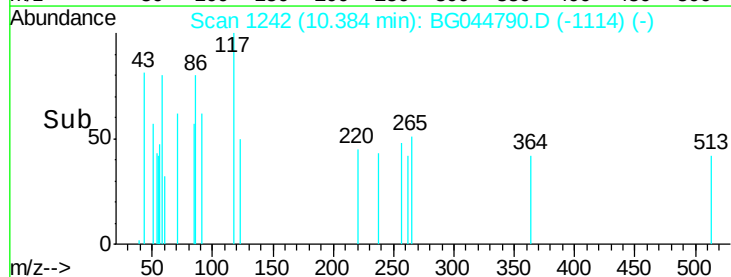
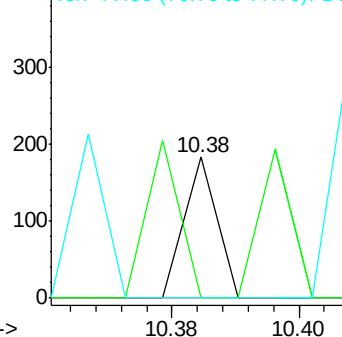


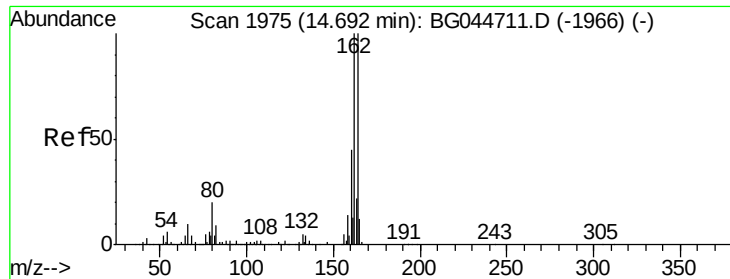
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.38 min Scan# 1242
Delta R.T. 0.22 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampleId :

MC5B39

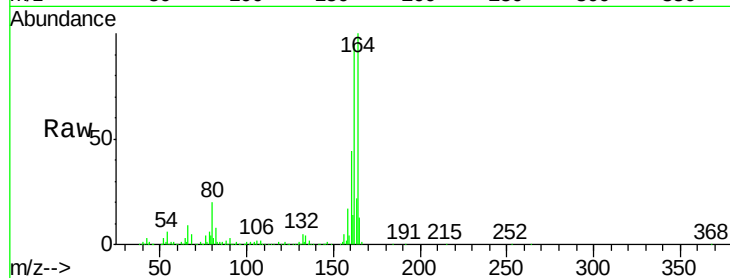
Tgt Ion:164 Resp: 332517

Ion Ratio Lower Upper

164 100

162 95.5 80.2 120.4

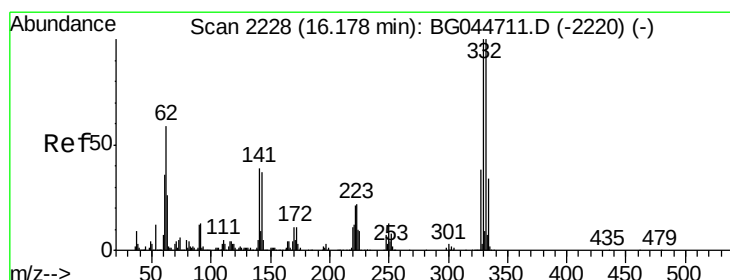
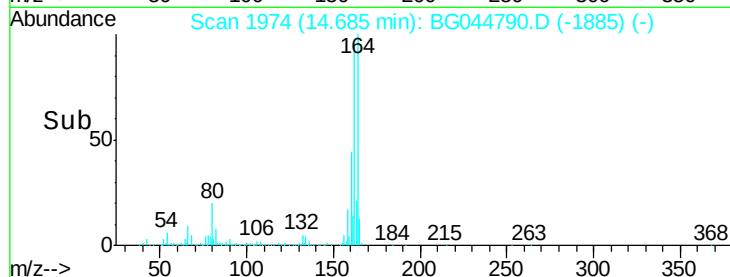
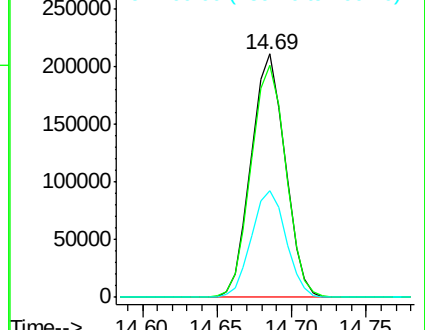
160 43.8 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 124.26 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

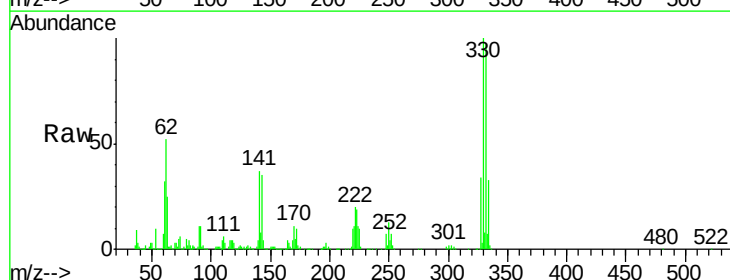
Tgt Ion:330 Resp: 541021

Ion Ratio Lower Upper

330 100

332 97.3 77.5 116.3

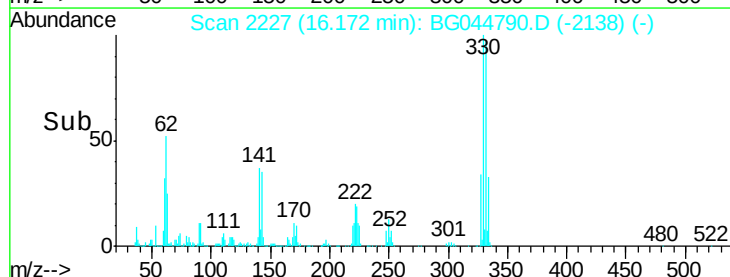
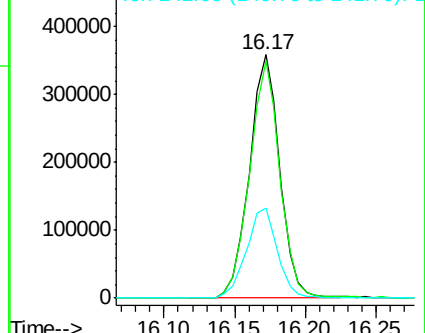
141 37.6 31.7 47.5

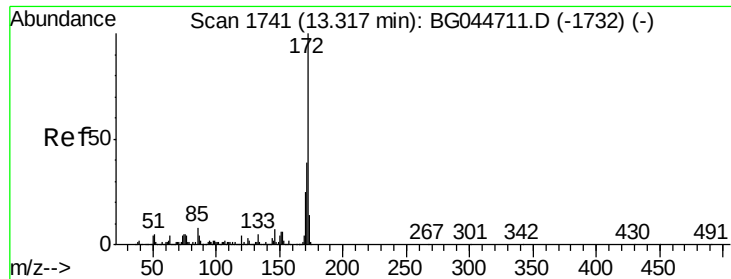


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

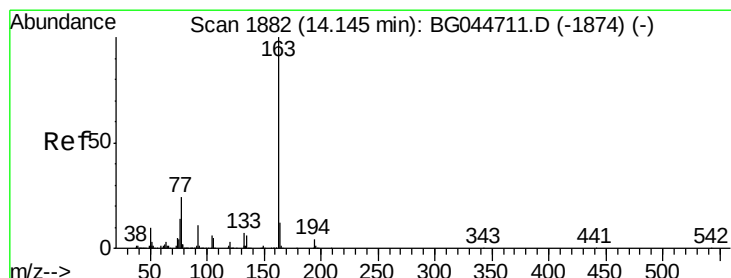
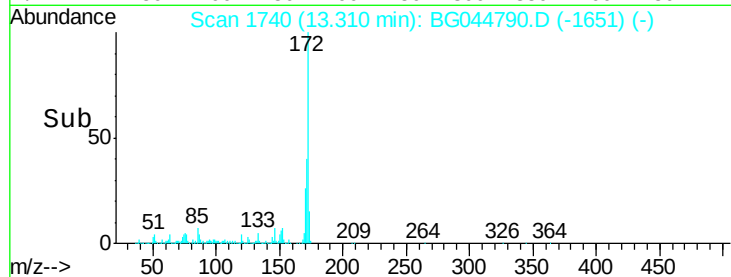
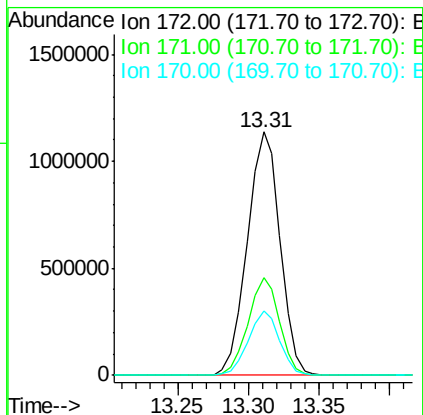
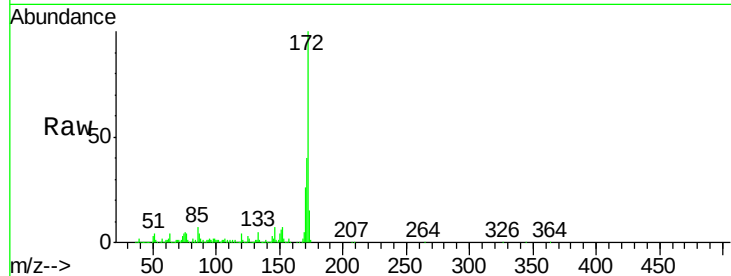




#45
2-Fluorobiphenyl
Concen: 79.62 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

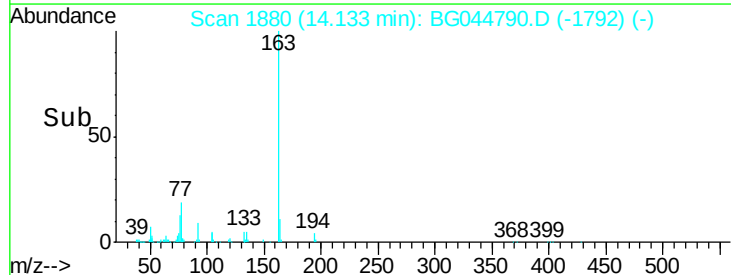
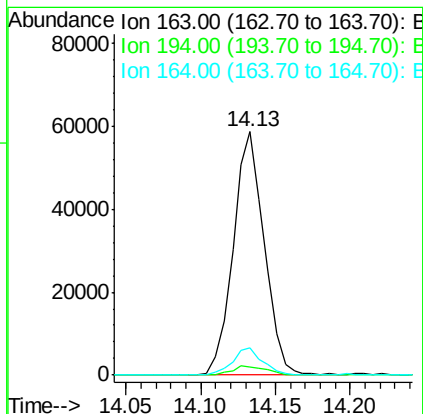
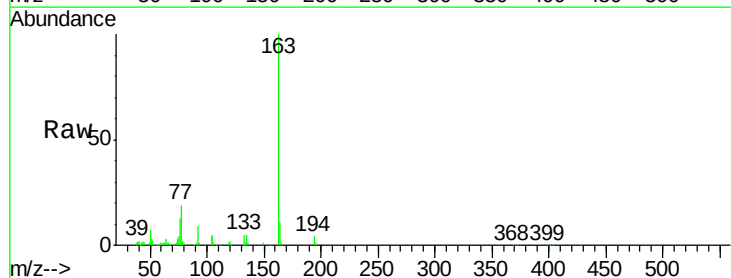
Instrument :
BNA_G
ClientSampled :
MC5B39

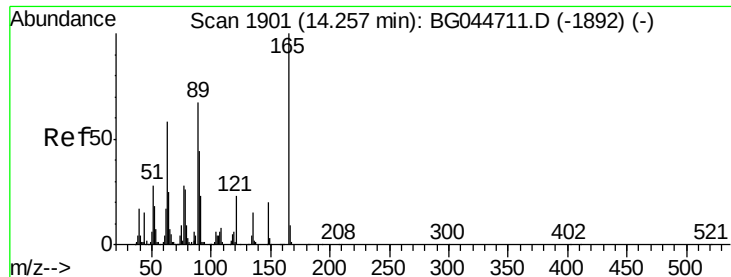
Tgt Ion:172 Resp: 1848685
Ion Ratio Lower Upper
172 100
171 39.9 30.8 46.2
170 26.3 20.0 30.0



#50
Dimethylphthalate
Concen: 3.20 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Tgt Ion:163 Resp: 84652
Ion Ratio Lower Upper
163 100
194 3.5 3.5 5.3#
164 11.3 9.2 13.8

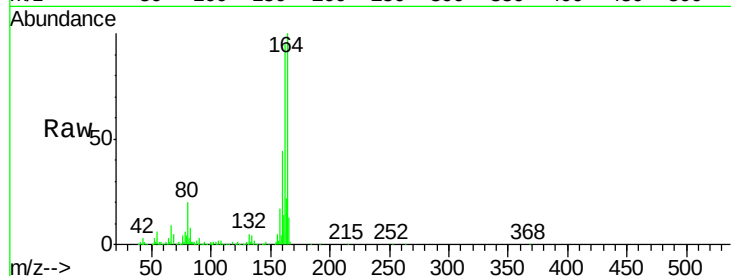




#51
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.43 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Instrument :
BNA_G
ClientSampleId :
MC5B39

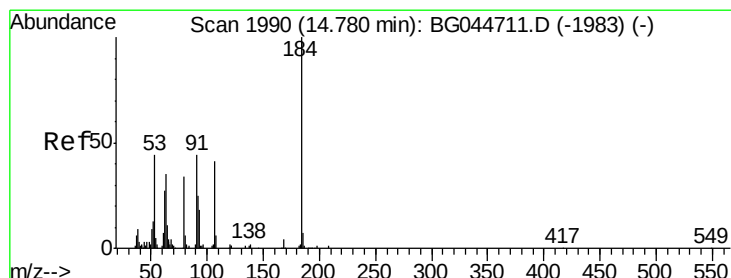
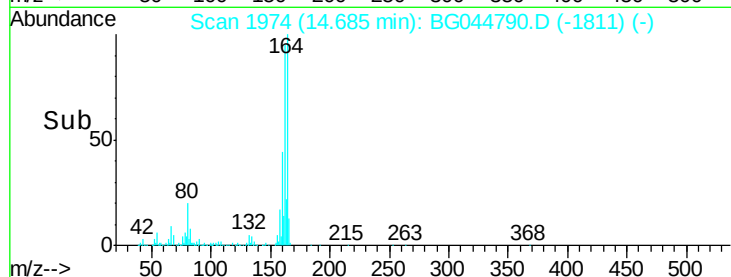
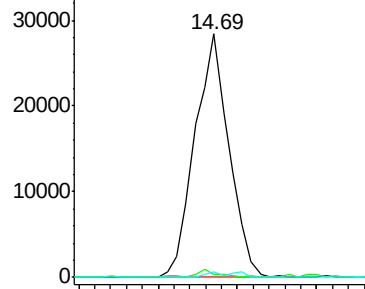
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.9	73.3#
89	2.2	53.8	80.8#



Abundance Ion 165.00 (164.70 to 165.70): E

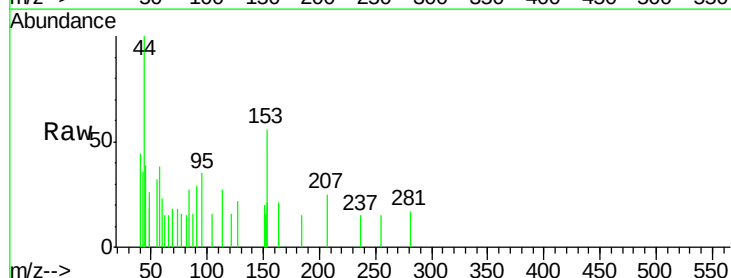
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54
2,4-Dinitrophenol
Concen: 8.34 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

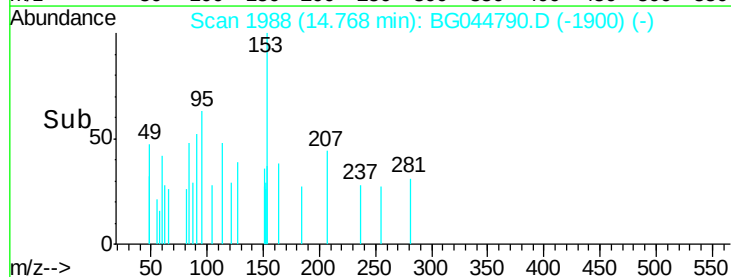
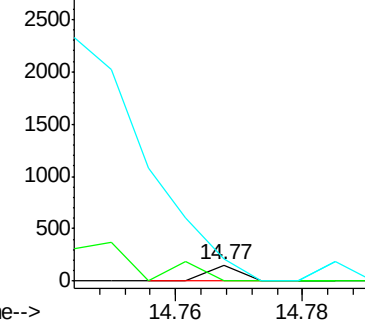
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	136.4	94.5	141.7

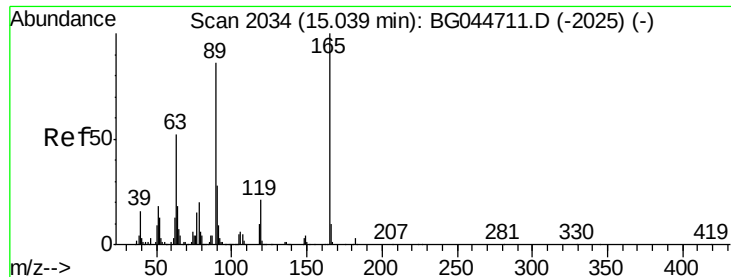


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.79 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.35 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampleId :

MC5B39

Tgt Ion:165 Resp: 42383

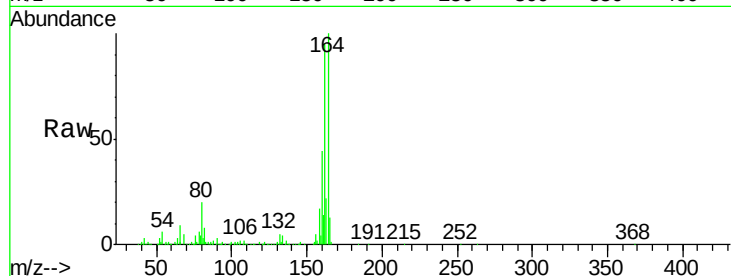
Ion Ratio Lower Upper

165 100

63 1.3 41.5 62.3#

89 2.2 69.0 103.4#

182 0.0 2.7 4.1#

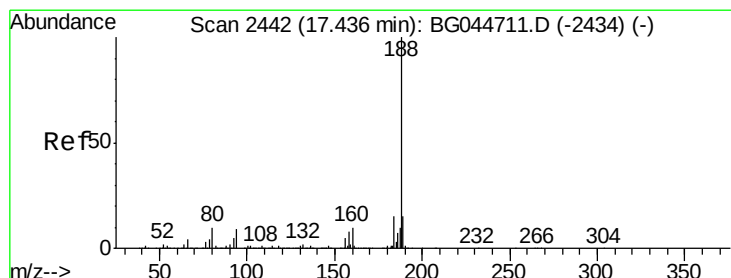
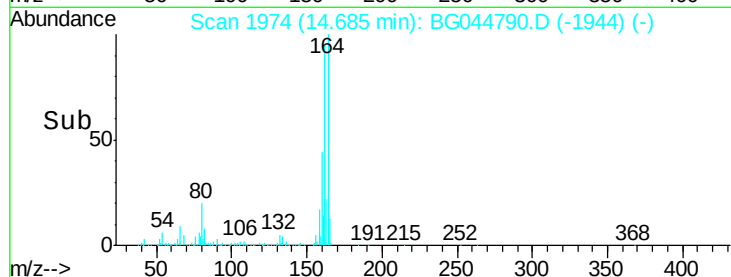
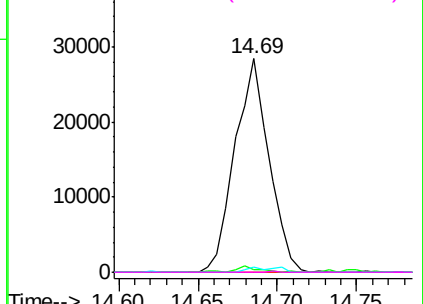


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

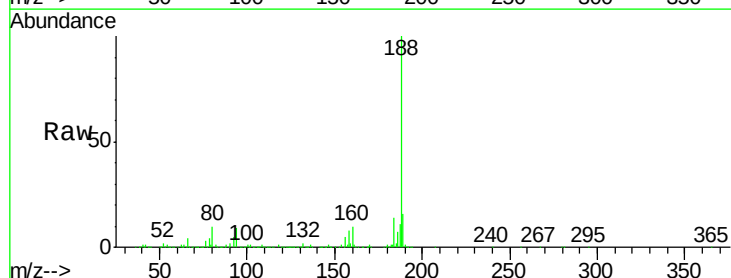
Tgt Ion:188 Resp: 689986

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

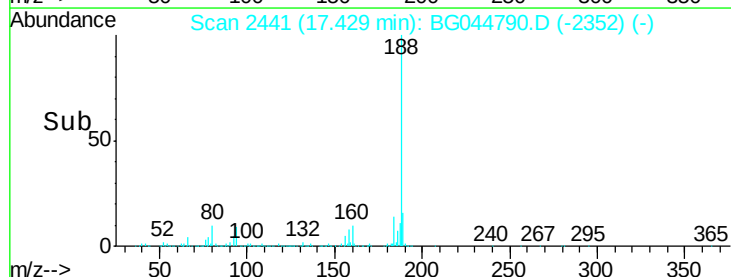
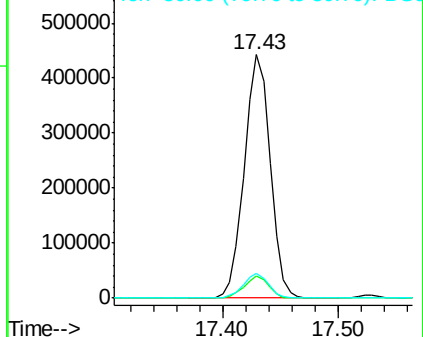
80 10.3 8.4 12.6

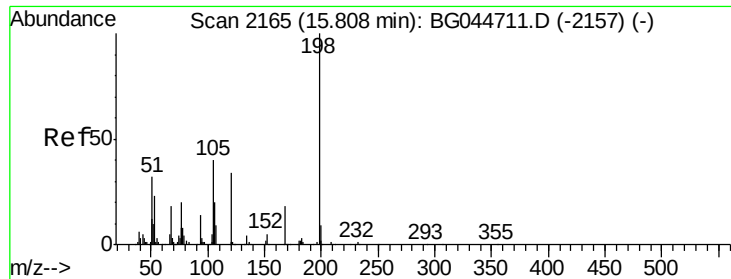


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 15.50 min Scan# 2113

Delta R.T. -0.31 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampled :

MC5B39

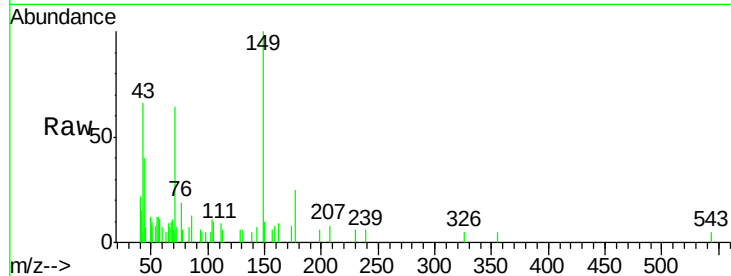
Tgt Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 109.8 20.1 60.1#

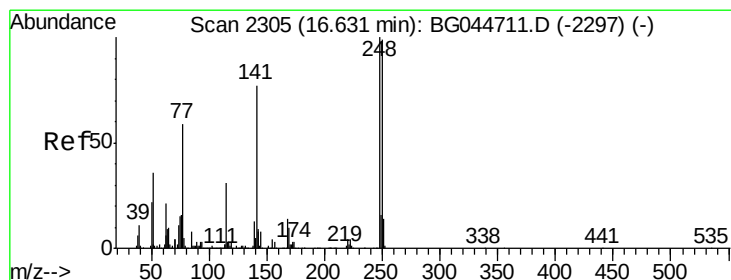
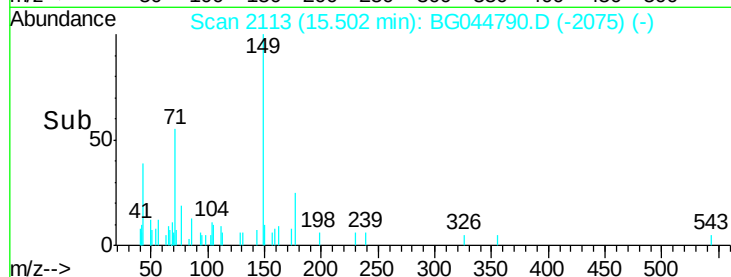
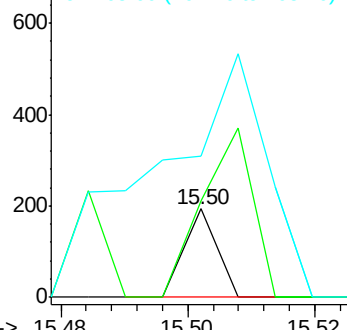
105 160.6 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.52 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

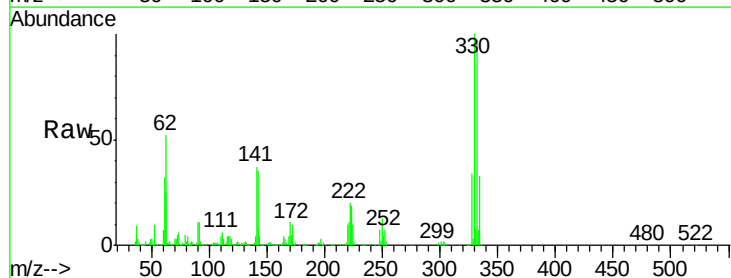
Tgt Ion:248 Resp: 39009

Ion Ratio Lower Upper

248 100

250 176.8 79.4 119.0#

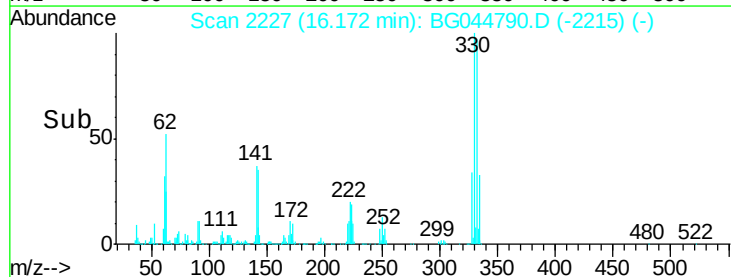
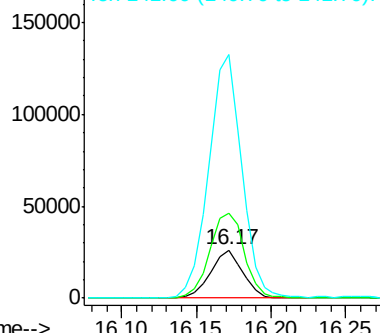
141 505.6 61.7 92.5#

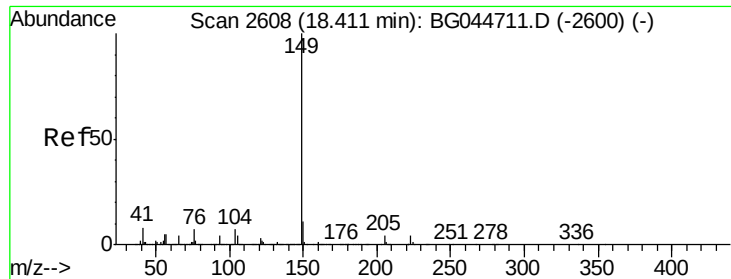


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 2.06 ng

RT: 18.40 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampleId :

MC5B39

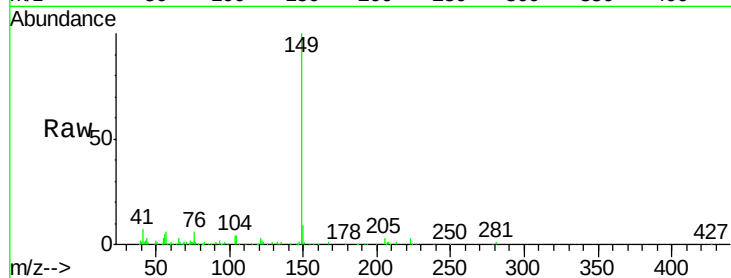
Tgt Ion:149 Resp: 87518

Ion Ratio Lower Upper

149 100

150 8.9 8.4 12.6

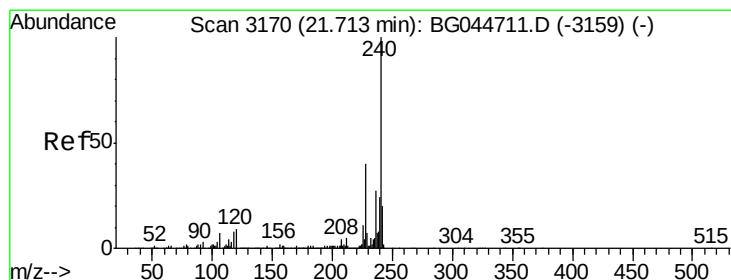
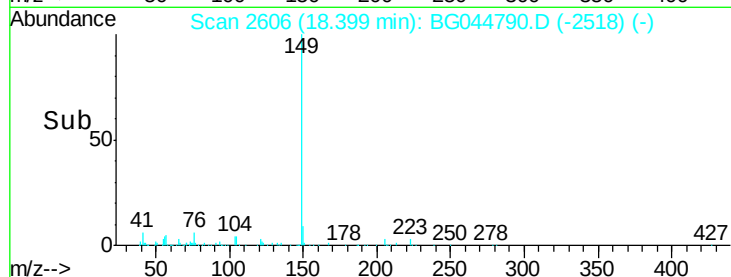
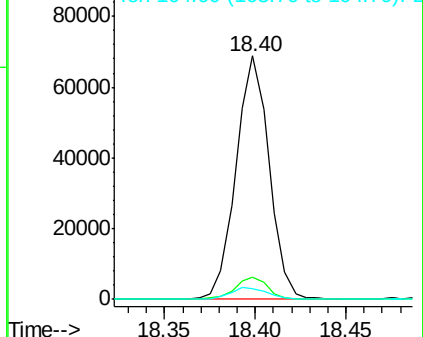
104 4.3 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

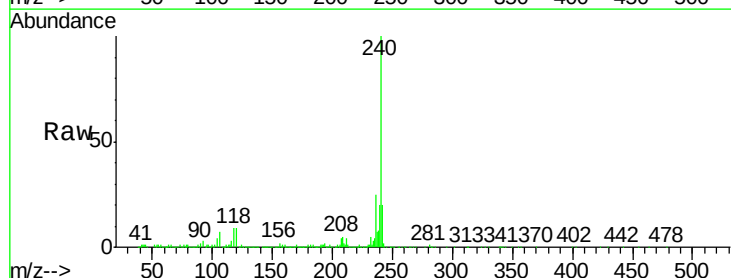
Tgt Ion:240 Resp: 569456

Ion Ratio Lower Upper

240 100

120 9.4 6.9 10.3

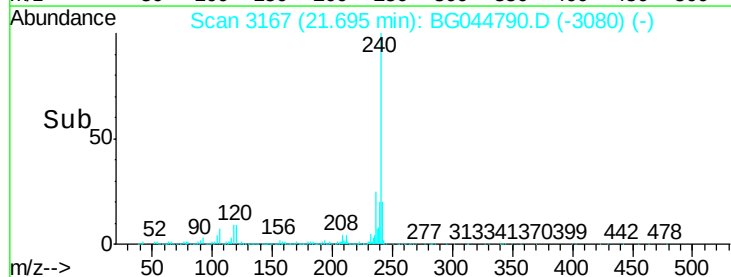
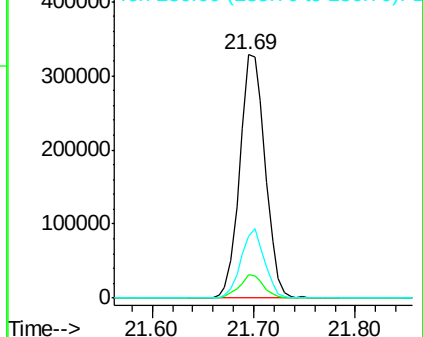
236 25.4 21.9 32.9

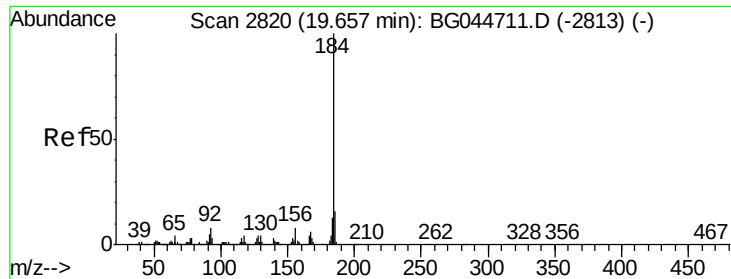


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.69 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

Instrument :

BNA_G

ClientSampleId :

MC5B39

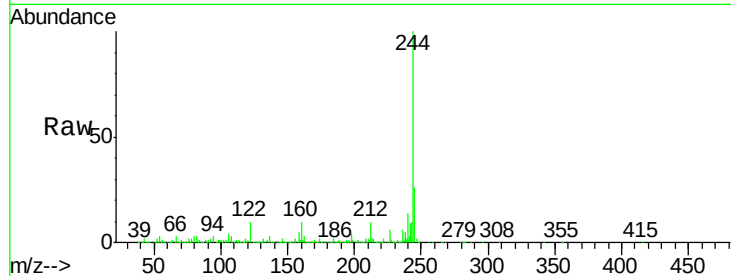
Tgt Ion:184 Resp: 49714

Ion Ratio Lower Upper

184 100

185 17.6 12.9 19.3

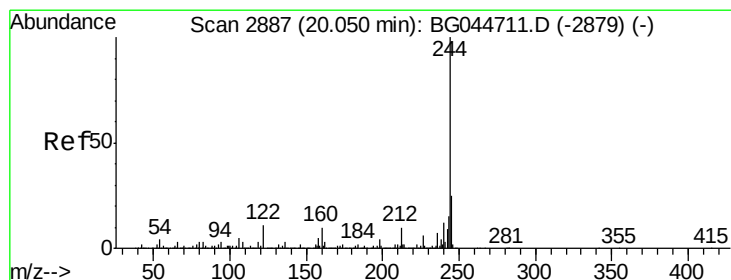
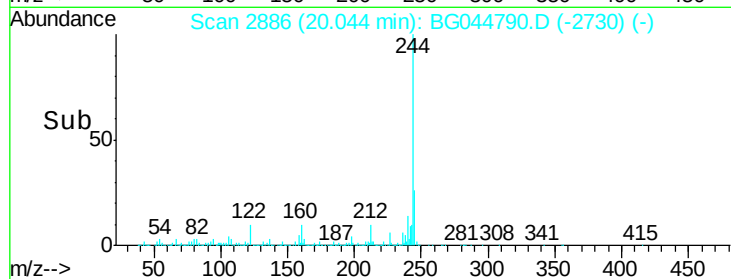
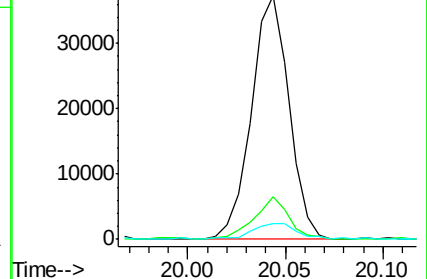
183 6.3 10.6 15.8#



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: 79.11 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044790.D

Acq: 14 Mar 2020 8:48

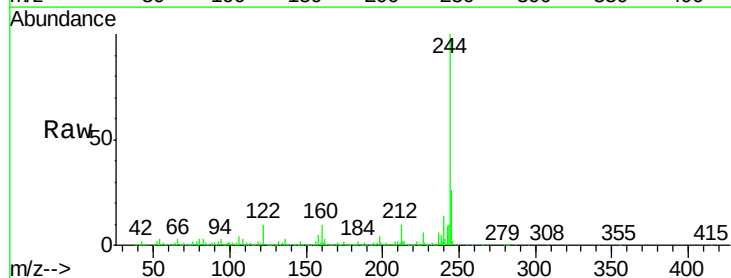
Tgt Ion:244 Resp: 2408248

Ion Ratio Lower Upper

244 100

212 10.4 8.4 12.6

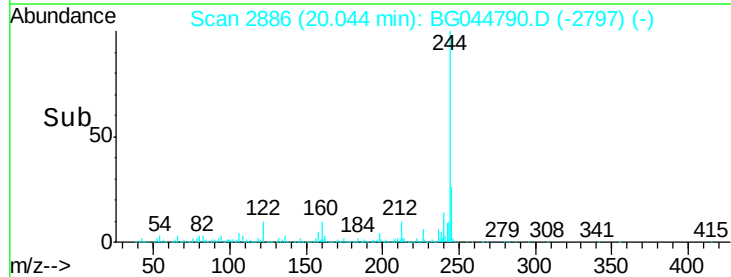
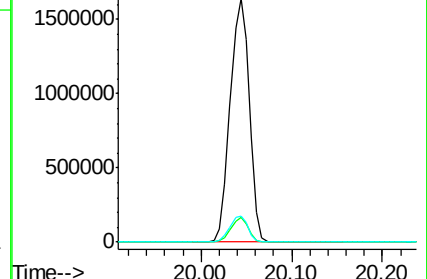
122 10.5 8.7 13.1

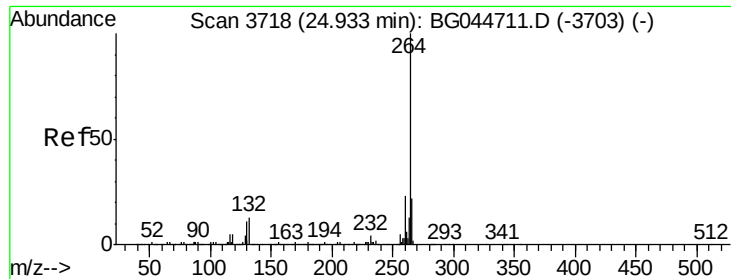


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.91 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044790.D
Acq: 14 Mar 2020 8:48

Instrument :
BNA_G
ClientSampleId :
MC5B39

Tgt	Ion	Ratio	Lower	Upper
264	100			
260	24.1	18.4	27.6	
265	21.9	17.4	26.2	

