

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041227.D
 Acq On : 13 Jun 2019 17:36
 Operator : HP/JU
 Sample : K3309-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 14 08:47:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	35879	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	137111	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	97094	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	246260	20.00	ng	0.00
76) Chrysene-d12	21.76	240	265014	20.00	ng	0.00
87) Perylene-d12	25.09	264	265451	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	125315	62.98	ng	0.00
7) Phenol-d6	7.27	99	113133	36.82	ng	0.03
23) Nitrobenzene-d5	9.28	82	297898	96.45	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	216733	150.36	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	657466	97.52	ng	0.00
79) Terphenyl-d14	20.08	244	1063143	85.14	ng	0.00

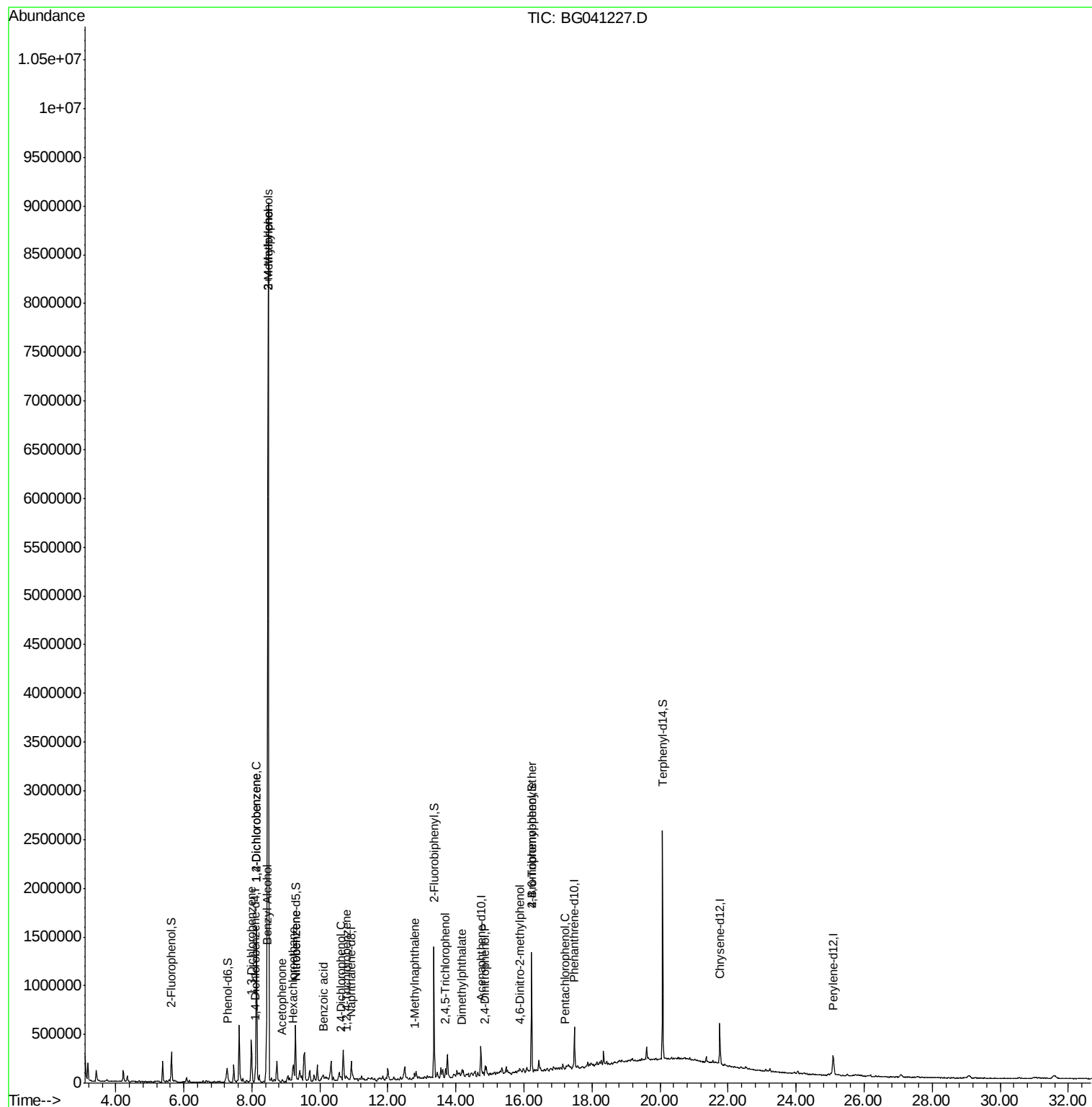
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	7.99	146	158896	56.084	ng	92
13) 1,4-Dichlorobenzene	8.14	146	594496	207.300	ng	97
14) 1,2-Dichlorobenzene	8.14	146	594496	213.502	ng	96
15) Benzyl Alcohol	8.43	79	7234	2.545	ng	# 78
17) 2-Methylphenol	8.49	107	43142	18.084	ng	# 69
18) Hexachloroethane	9.20	117	5230	4.732	ng	# 1
20) 3+4-Methylphenols	8.49	107	43142	13.056	ng	# 66
22) Acetophenone	8.90	105	14024	3.646	ng	# 54
24) Nitrobenzene	9.29	77	6309	2.004	ng	# 31
29) 2,4-Dichlorophenol	10.62	162	8944	3.287	ng	85
30) 1,2,4-Trichlorobenzene	10.78	180	7501	2.423	ng	94
32) Benzoic acid	10.12	122	1010	8.634	ng	# 19
38) 1-Methylnaphthalene	12.79	142	14993	2.806	ng	# 96
44) 2,4,5-Trichlorophenol	13.69	196	6416	2.403	ng	# 46
50) Dimethylphthalate	14.18	163	37238	4.531	ng	100
54) 2,4-Dinitrophenol	14.85	184	56	8.327	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.86	198	776	9.072	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	16386	4.931	ng	# 1
70) Pentachlorophenol	17.19	266	92	4.302	ng	# 18

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

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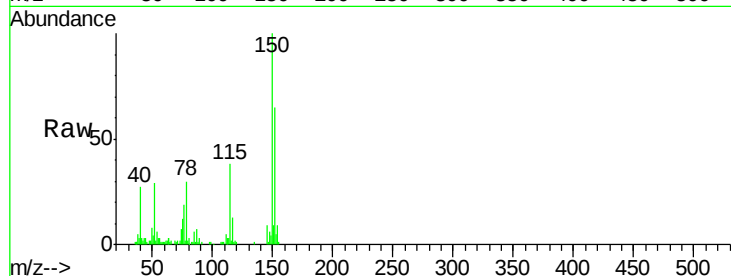


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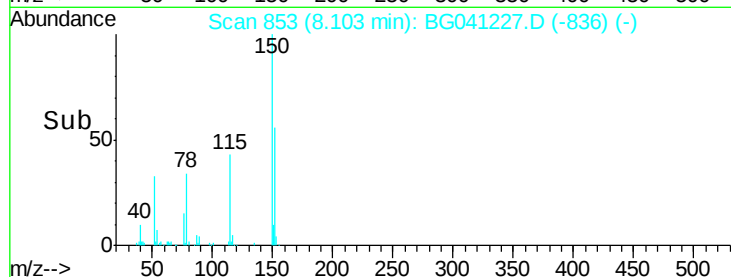
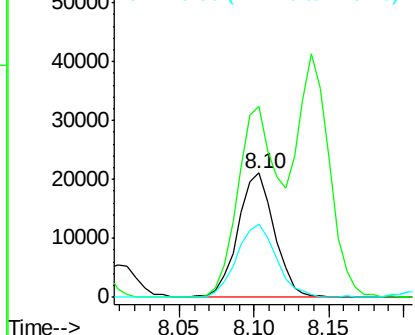
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	120.6	180.8
115	59.3	45.1	67.7



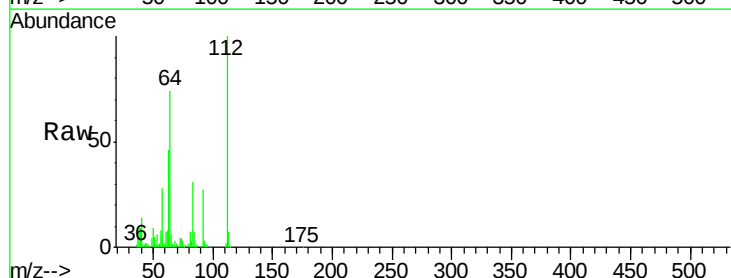
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



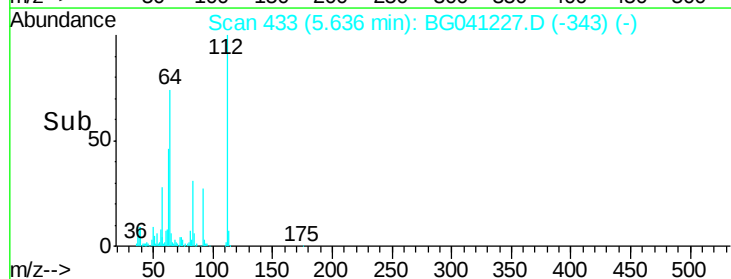
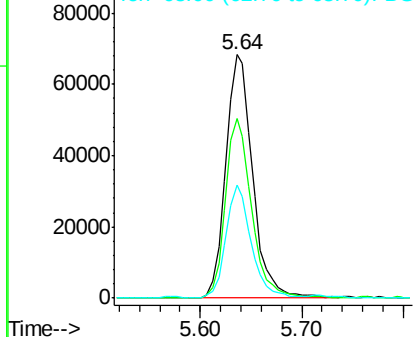
#5

2-Fluorophenol
Concen: 62.981 ng
RT: 5.64 min Scan# 433
Delta R.T. -0.00 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	56.2	84.2
63	46.5	32.8	49.2



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: 36.816 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.03 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampled :

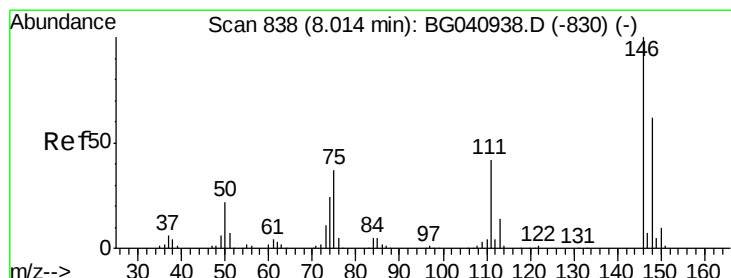
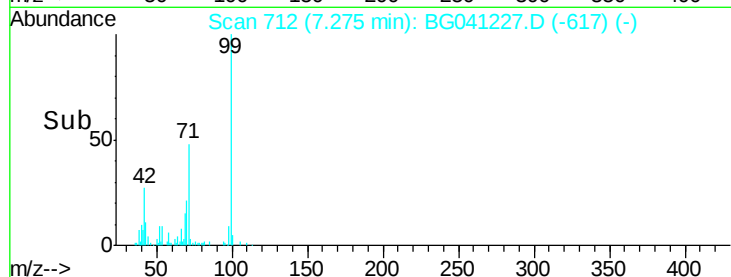
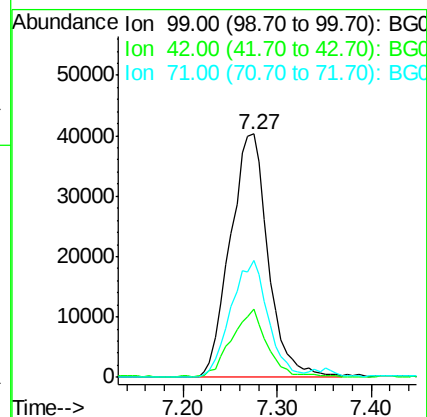
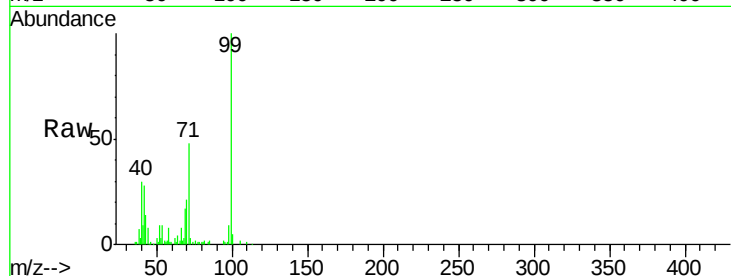
Tot Ion: 99 Resp: 113133

Ion Ratio Lower Upper

99 100

42 28.3 17.9 26.9#

71 47.9 35.4 53.0



#12

1,3-Dichlorobenzene

Concen: 56.084 ng

RT: 7.99 min Scan# 833

Delta R.T. -0.00 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

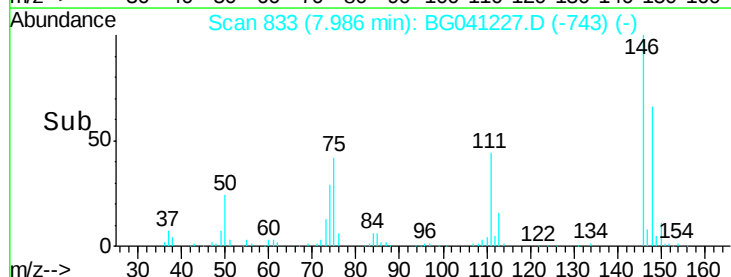
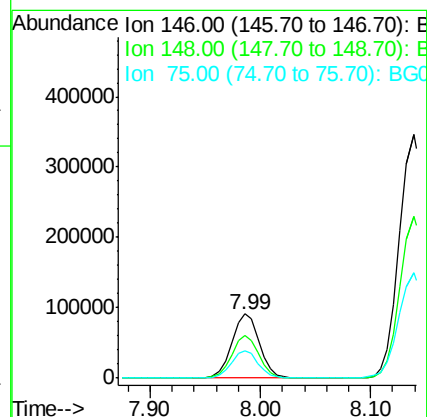
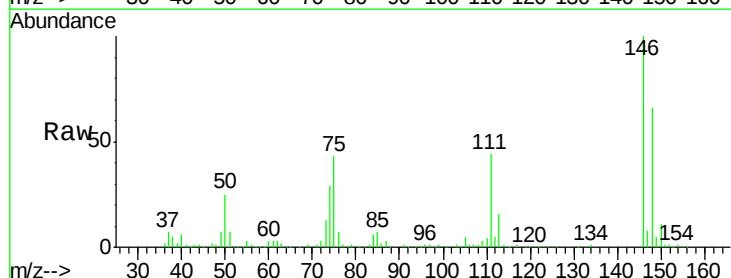
Tgt Ion: 146 Resp: 158896

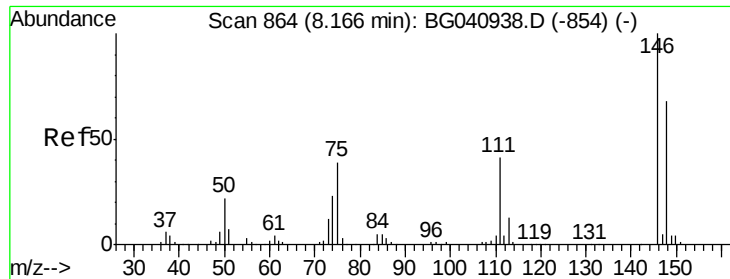
Ion Ratio Lower Upper

146 100

148 66.3 49.2 73.8

75 43.0 29.4 44.0

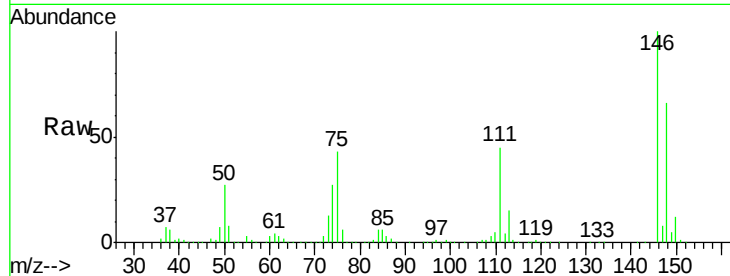




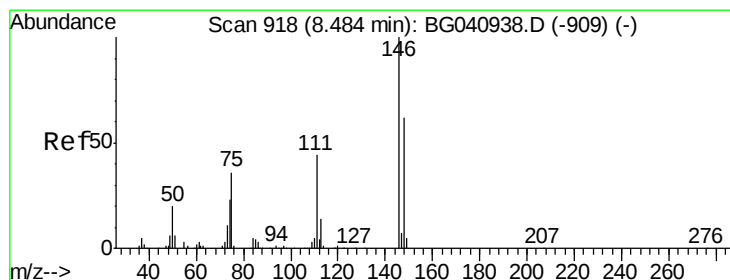
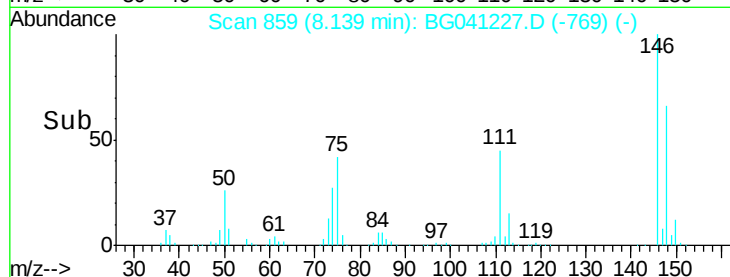
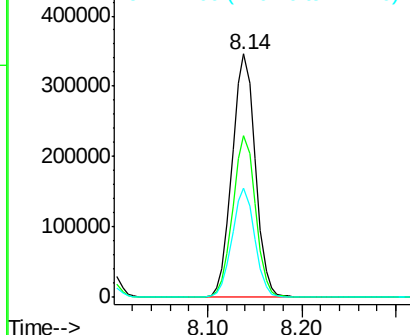
#13
 1,4-Dichlorobenzene
 Concen: 207.300 ng
 RT: 8.14 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	54.2	81.4
111	44.7	32.9	49.3

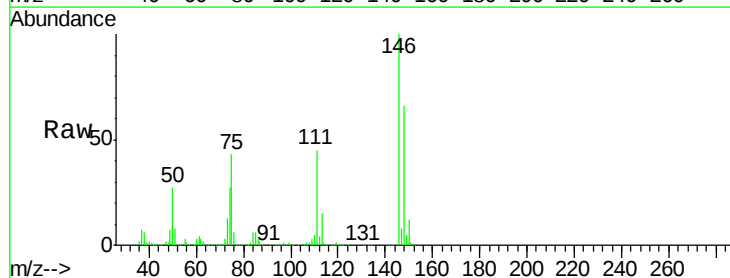


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

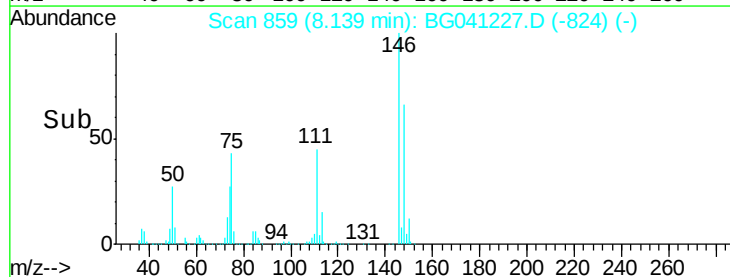
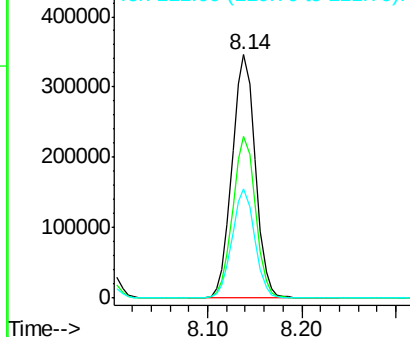


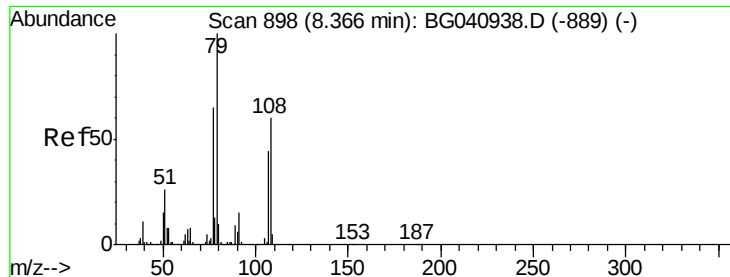
#14
 1,2-Dichlorobenzene
 Concen: 213.502 ng
 RT: 8.14 min Scan# 859
 Delta R.T. -0.32 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.3	49.8	74.6
111	44.7	35.0	52.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.545 ng

RT: 8.43 min Scan# 909

Delta R.T. 0.09 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

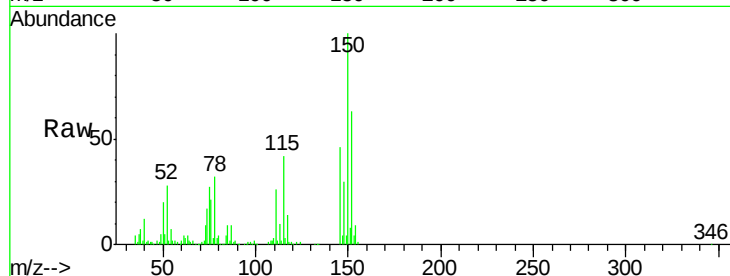
Tot Ion: 79 Resp: 7234

Ion Ratio Lower Upper

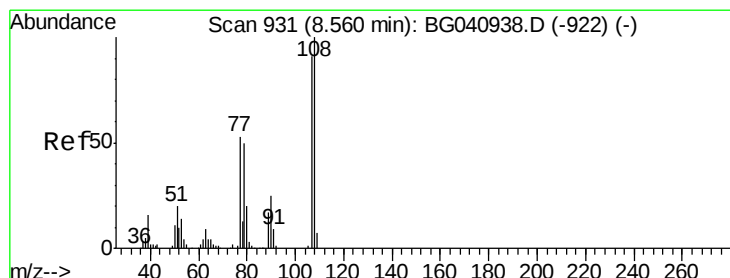
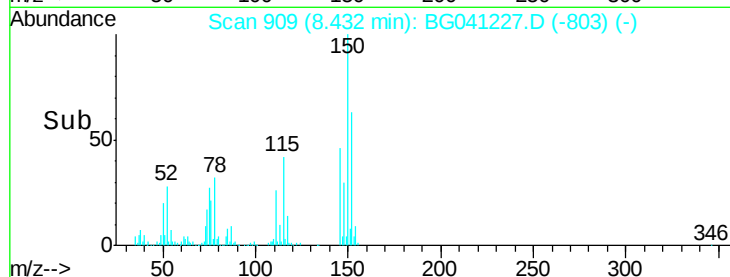
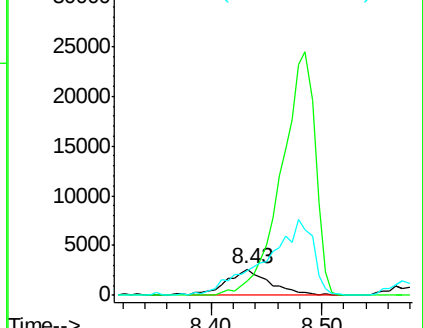
79 100

108 56.5 48.3 72.5

77 95.4 52.3 78.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#17

2-Methylphenol

Concen: 18.084 ng

RT: 8.49 min Scan# 918

Delta R.T. -0.05 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Tgt Ion: 107 Resp: 43142

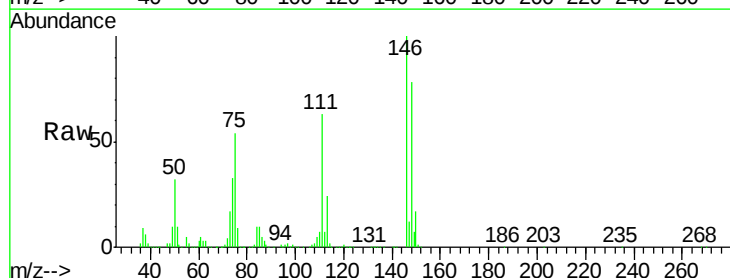
Ion Ratio Lower Upper

107 100

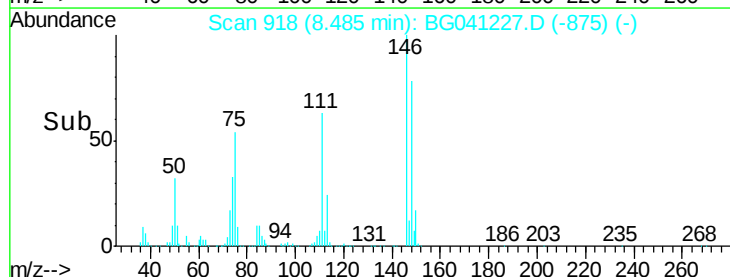
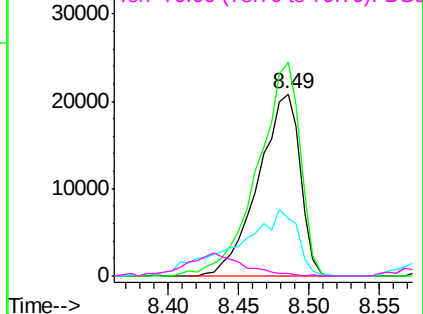
108 117.1 87.7 131.5

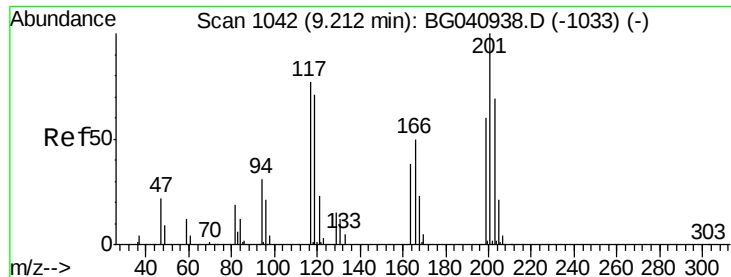
77 31.4 46.6 70.0#

79 1.5 44.6 66.8#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#18

Hexachloroethane

Concen: 4.732 ng

RT: 9.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

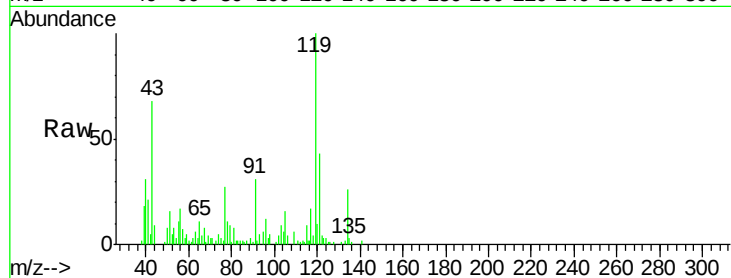
Tot Ion:117 Resp: 5230

Ion Ratio Lower Upper

117 100

119 585.5 75.0 112.6#

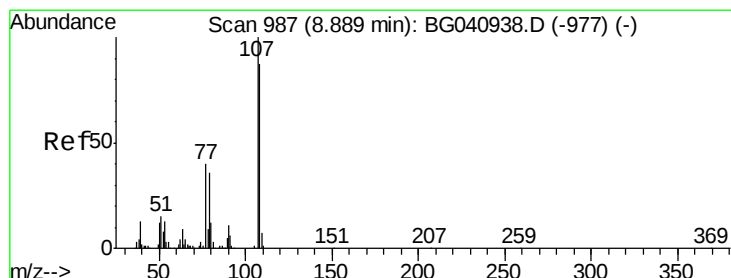
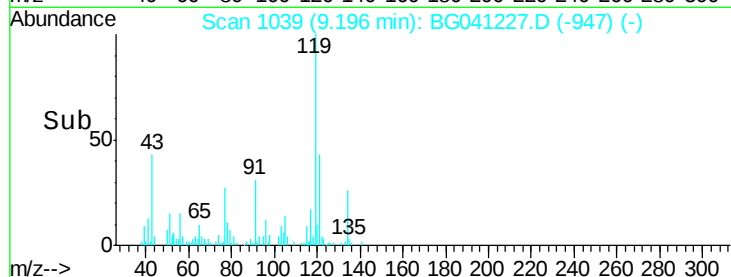
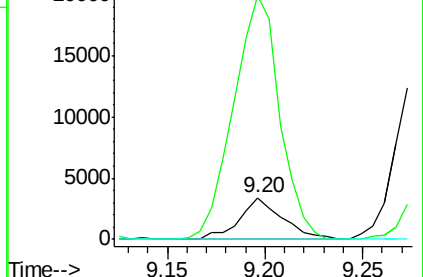
201 0.0 103.5 155.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 13.056 ng

RT: 8.49 min Scan# 918

Delta R.T. -0.38 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Tgt Ion:107 Resp: 43142

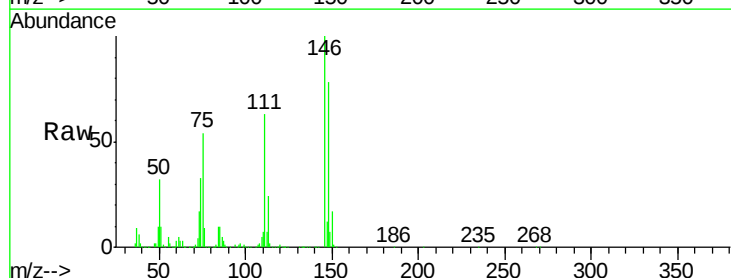
Ion Ratio Lower Upper

107 100

108 117.1 66.8 106.8#

77 31.4 20.5 60.5

79 1.5 15.8 55.8#

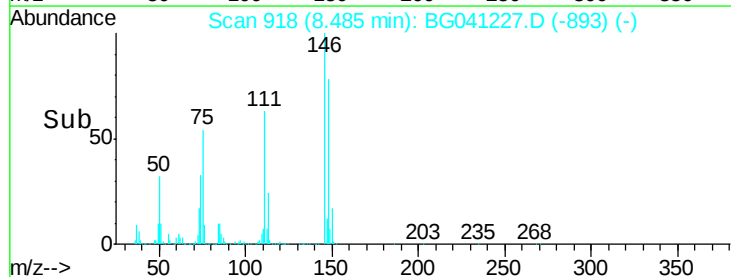
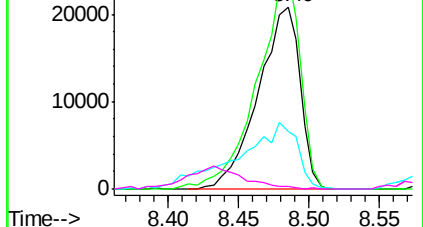


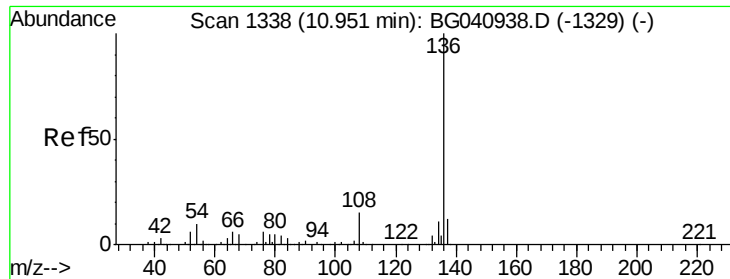
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

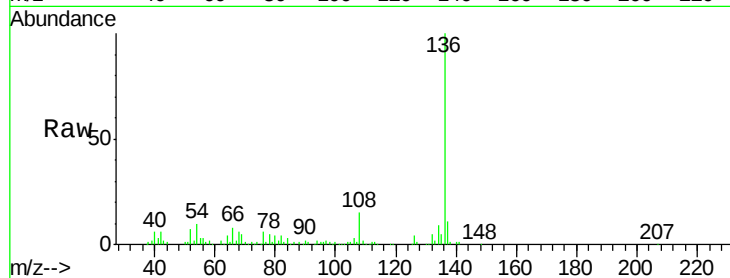




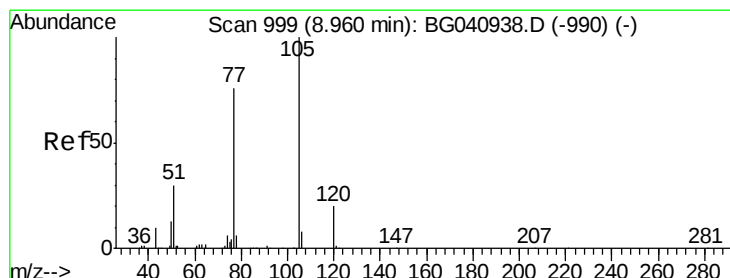
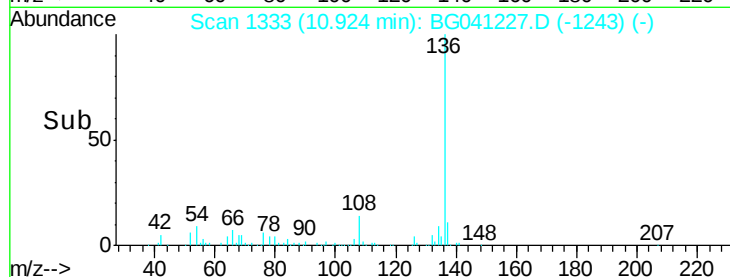
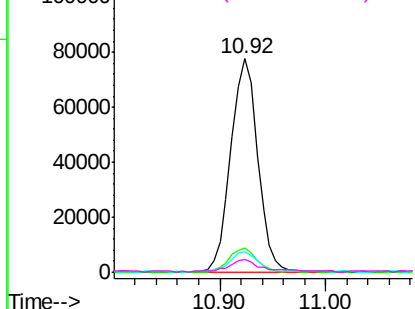
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	137111
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.5 14.3
54	9.8	7.6 11.4
68	5.8	3.9 5.9

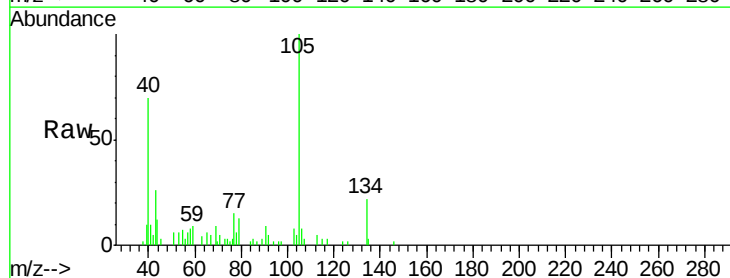


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

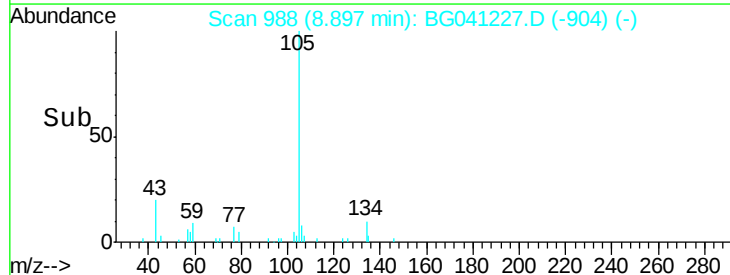
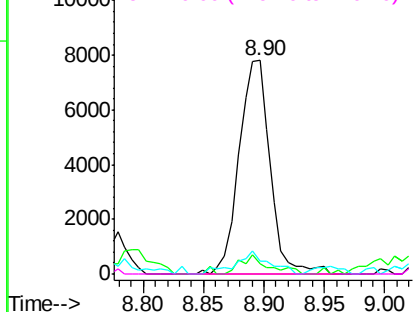


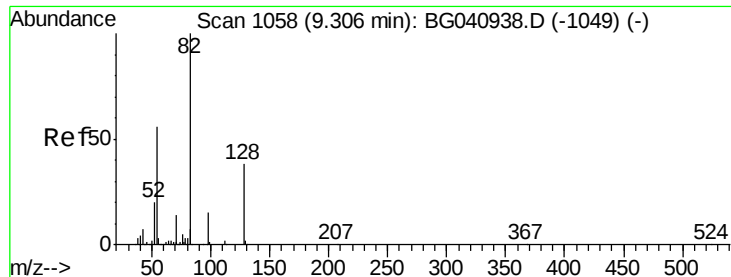
#22
Acetophenone
Concen: 3.646 ng
RT: 8.90 min Scan# 988
Delta R.T. -0.04 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion:105	Resp:	14024
Ion Ratio	Lower	Upper
105	100	
71	4.7	0.4 0.6#
51	6.2	27.0 40.6#
120	0.0	16.2 24.4#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

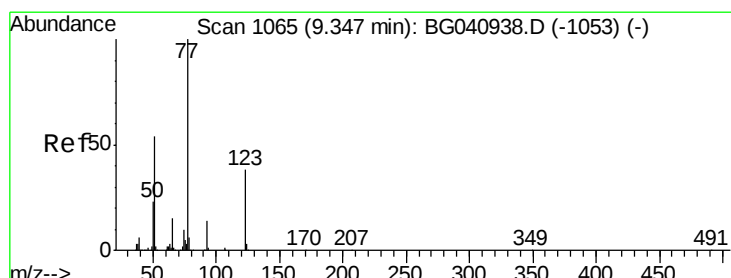
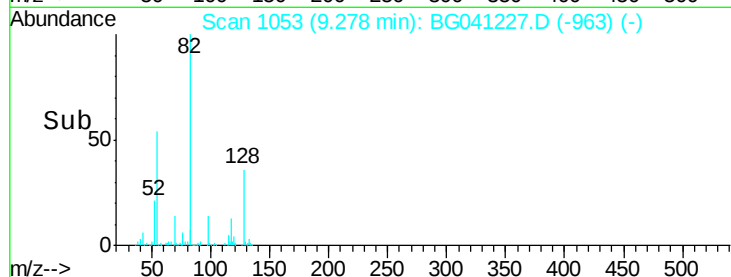
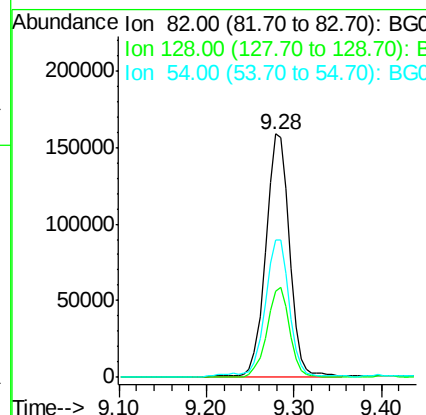
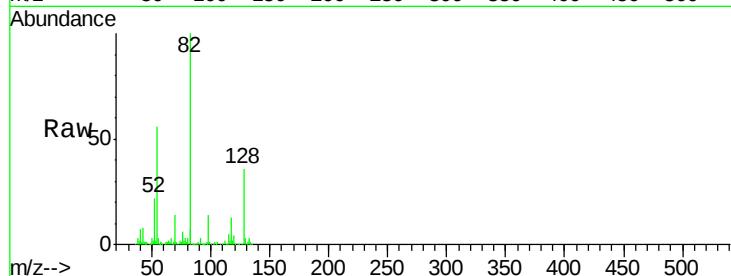




#23
 Nitrobenzene-d5
 Concen: 96.453 ng
 RT: 9.28 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

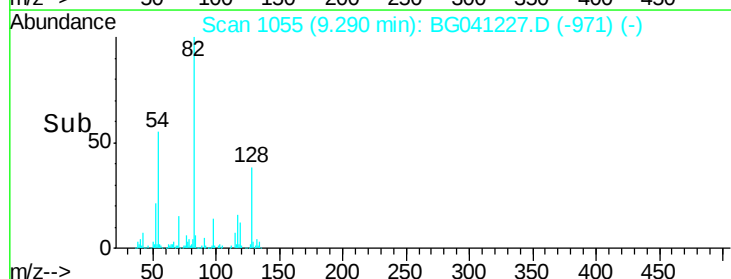
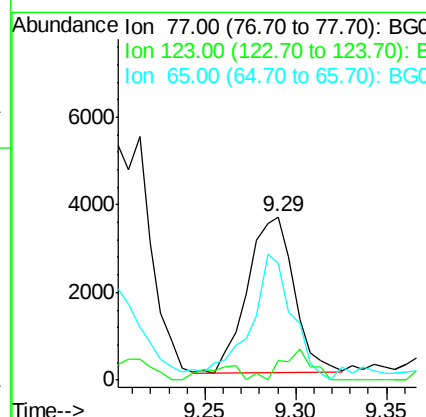
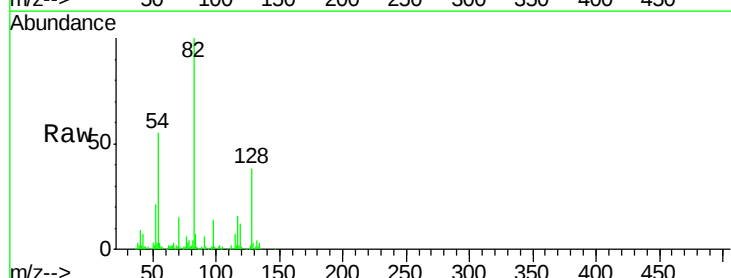
Instrument :
 BNA_G
 ClientSampleId :

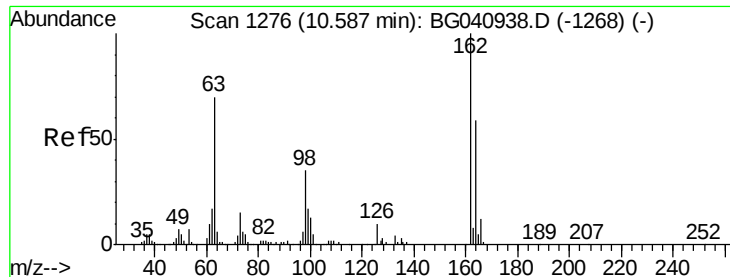
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.5	30.5	45.7
54	56.4	44.6	66.8



#24
 Nitrobenzene
 Concen: 2.004 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. -0.04 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	11.8	30.6	46.0#
65	71.4	12.3	18.5#





#29

2,4-Dichlorophenol

Concen: 3.287 ng

RT: 10.62 min Scan# 1282

Delta R.T. 0.06 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

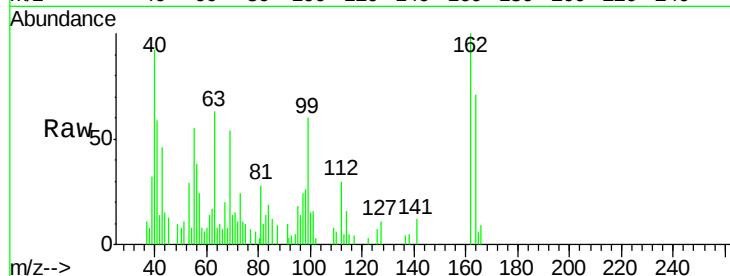
Tot Ion:162 Resp: 8944

Ion Ratio Lower Upper

162 100

164 70.7 39.4 79.4

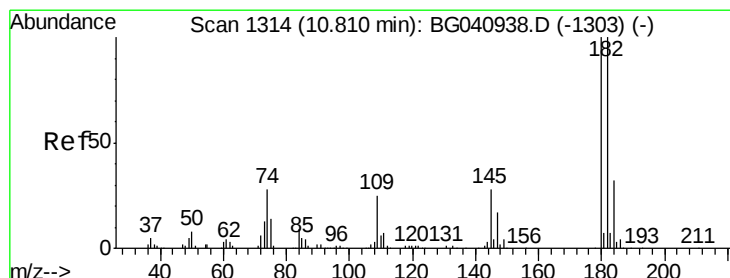
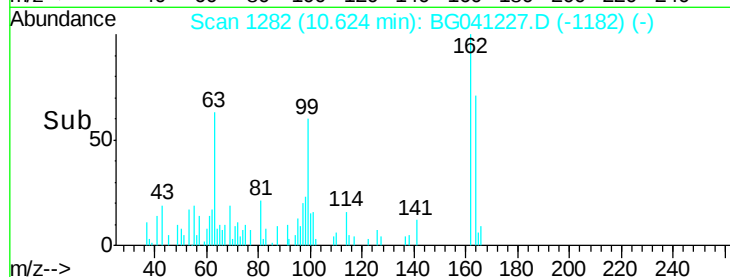
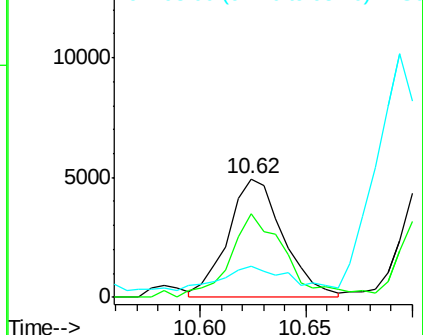
98 26.3 15.3 55.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 2.423 ng

RT: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

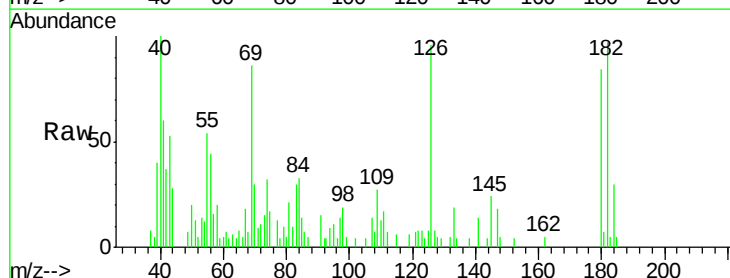
Tgt Ion:180 Resp: 7501

Ion Ratio Lower Upper

180 100

182 106.6 79.7 119.5

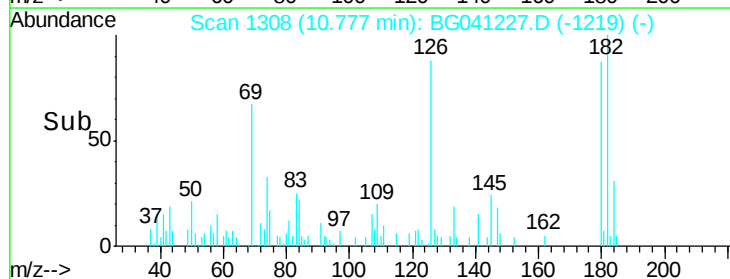
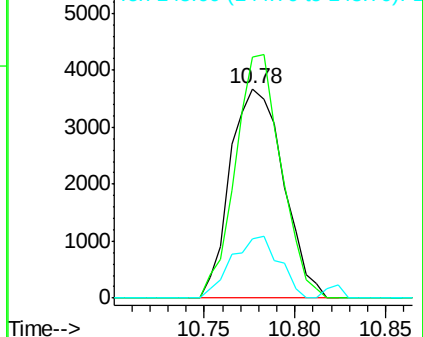
145 25.9 22.6 34.0

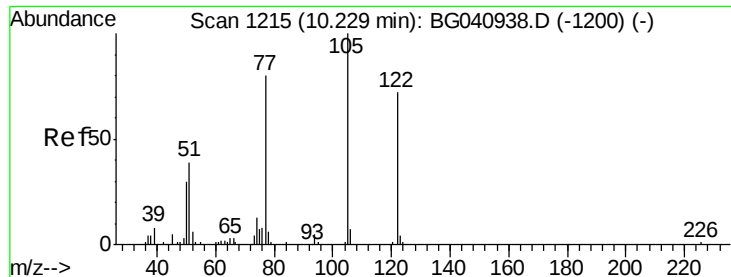


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

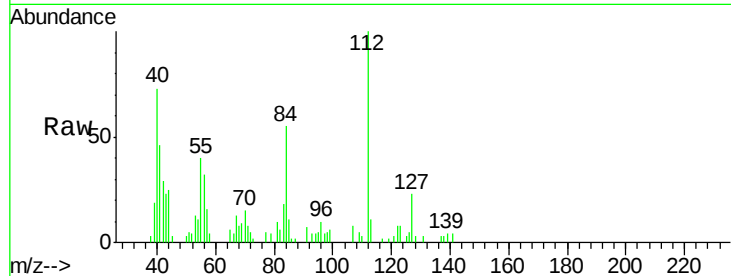




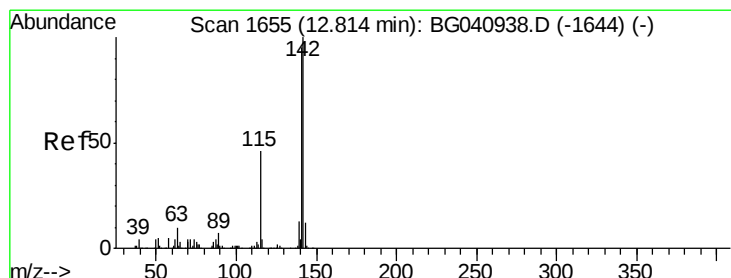
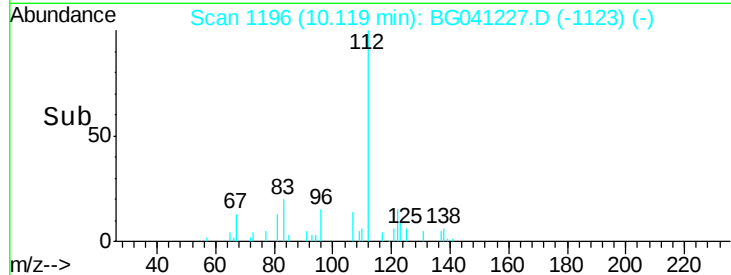
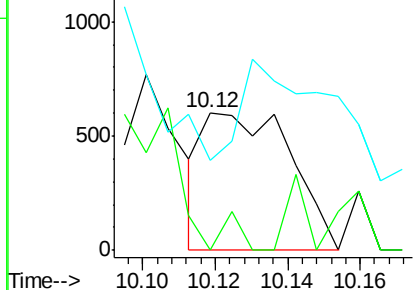
#32
Benzoic acid
Concen: 8.634 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.10 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 1010
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 65.4 89.9 129.9#

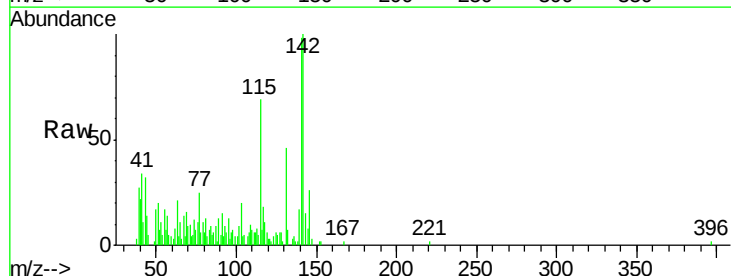


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

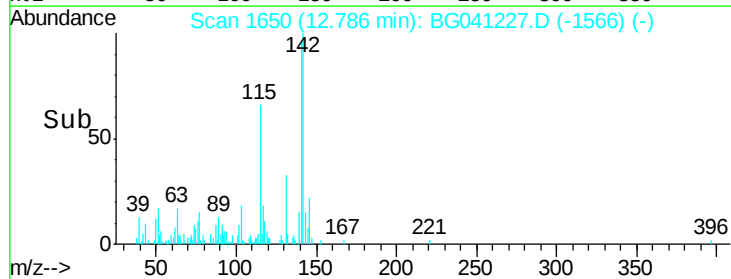
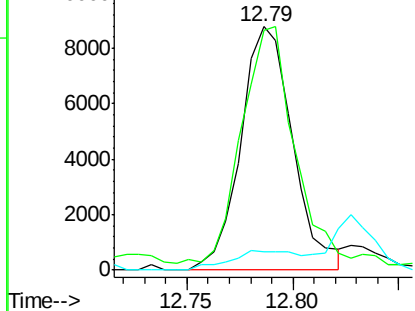


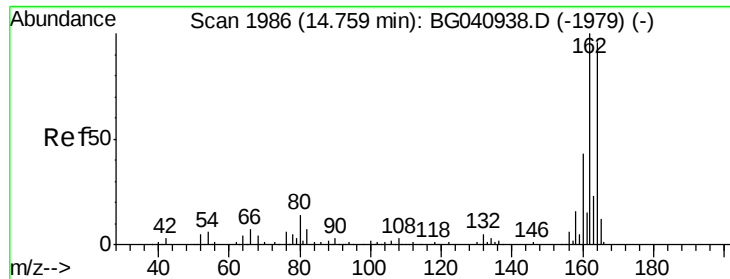
#38
1-Methylnaphthalene
Concen: 2.806 ng
RT: 12.79 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion:142 Resp: 14993
Ion Ratio Lower Upper
142 100
141 98.3 75.7 113.5
116 7.4 3.4 5.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

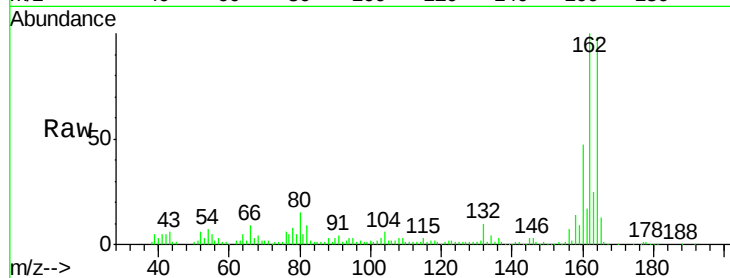
Tot Ion:164 Resp: 97094

Ion Ratio Lower Upper

164 100

162 101.6 83.0 124.4

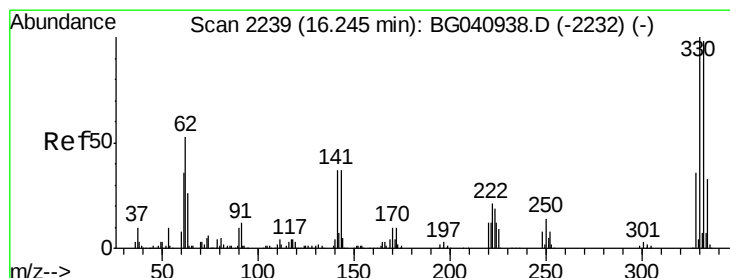
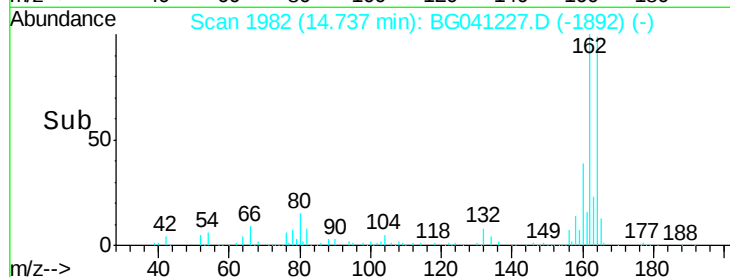
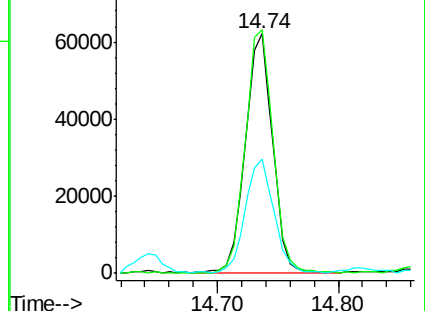
160 47.6 35.6 53.4



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: 150.360 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

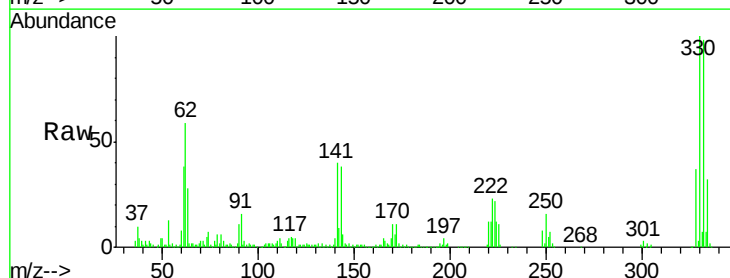
Tgt Ion:330 Resp: 216733

Ion Ratio Lower Upper

330 100

332 96.1 78.5 117.7

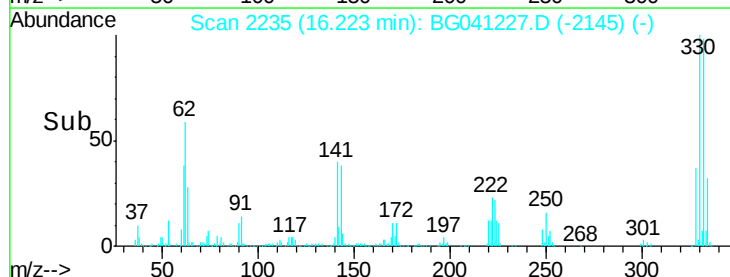
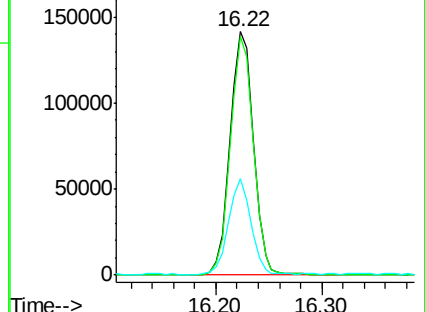
141 37.3 28.7 43.1

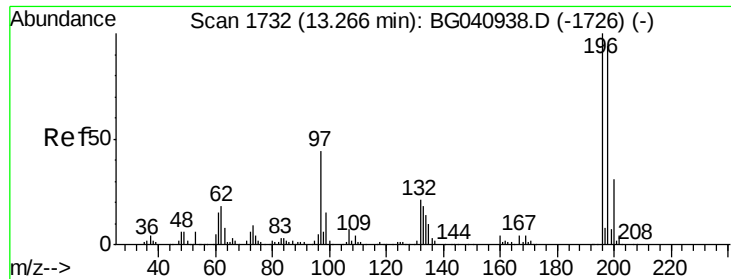


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

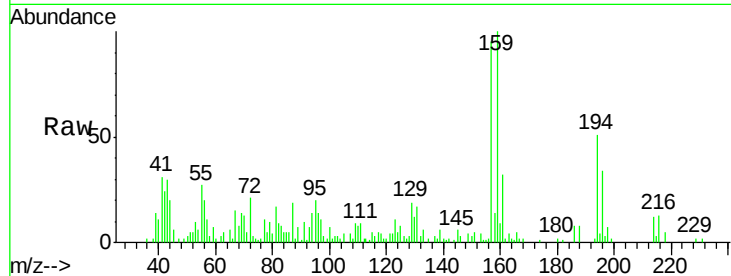




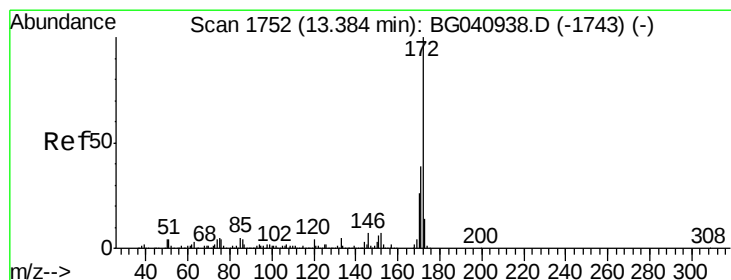
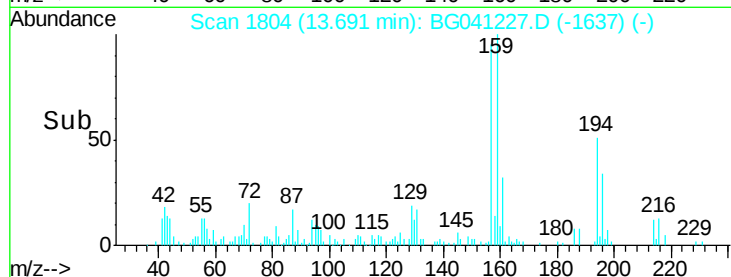
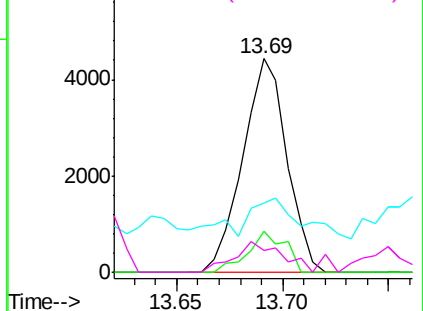
#44
2,4,5-Trichlorophenol
Concen: 2.403 ng
RT: 13.69 min Scan# 1804
Delta R.T. 0.45 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:196 Resp: 6416
Ion Ratio Lower Upper
196 100
198 19.1 75.1 112.7#
97 32.5 35.6 53.4#
132 10.0 16.7 25.1#

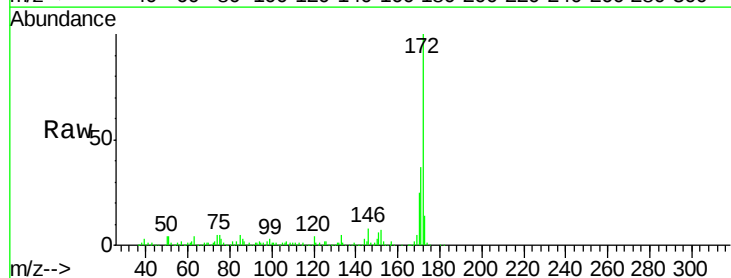


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

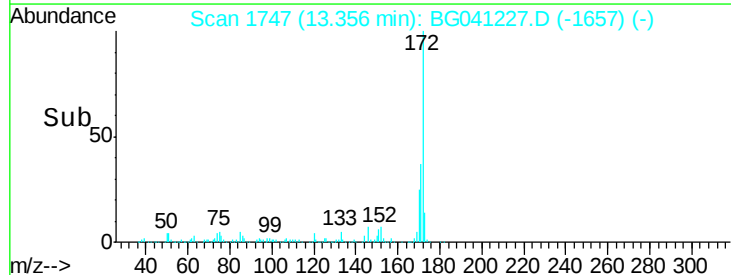
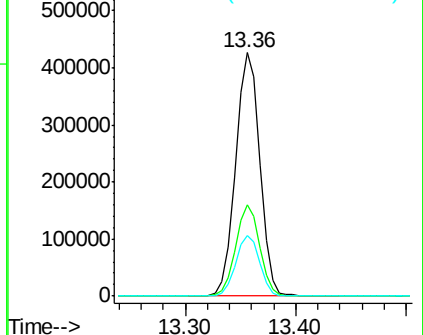


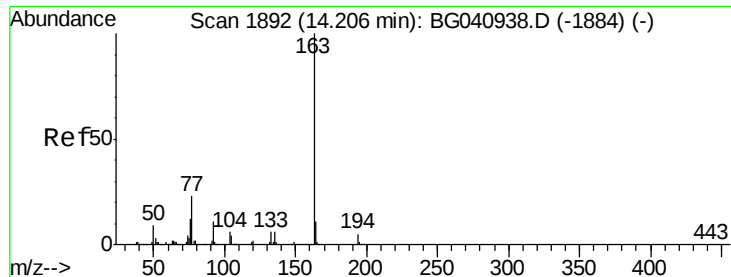
#45
2-Fluorobiphenyl
Concen: 97.516 ng
RT: 13.36 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion:172 Resp: 657466
Ion Ratio Lower Upper
172 100
171 37.5 31.1 46.7
170 24.8 20.5 30.7



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

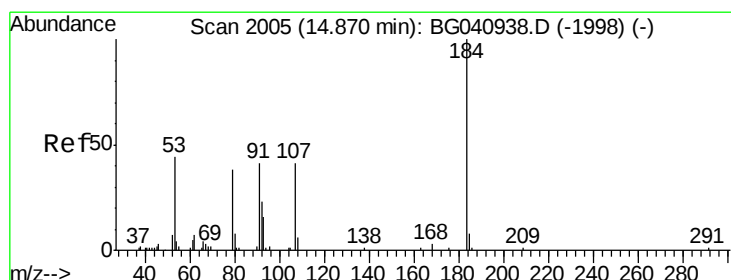
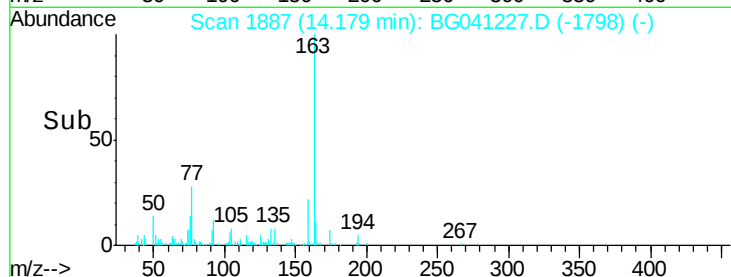
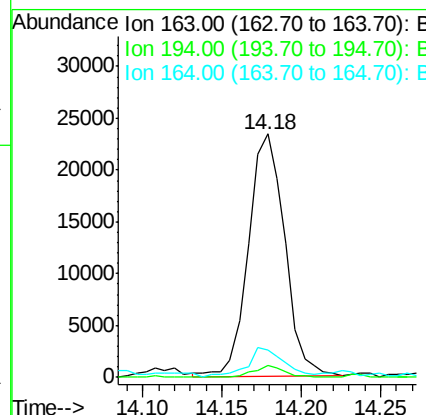
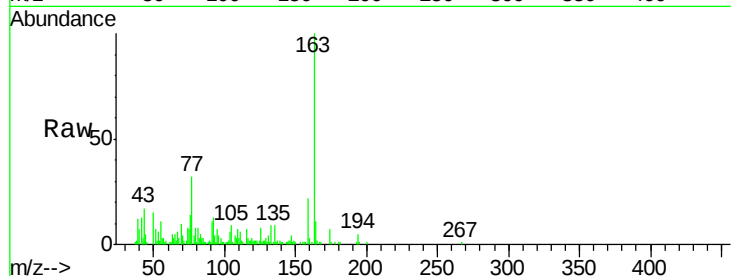




#50
Dimethylphthalate
Concen: 4.531 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

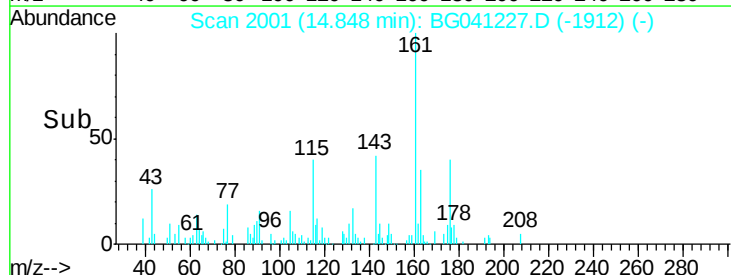
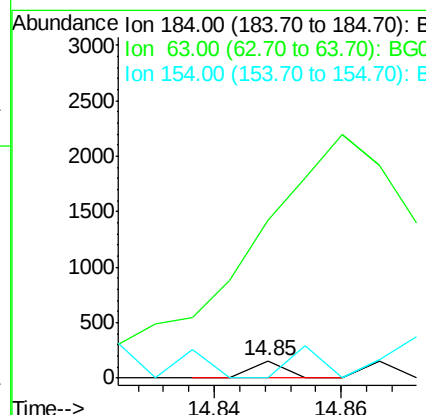
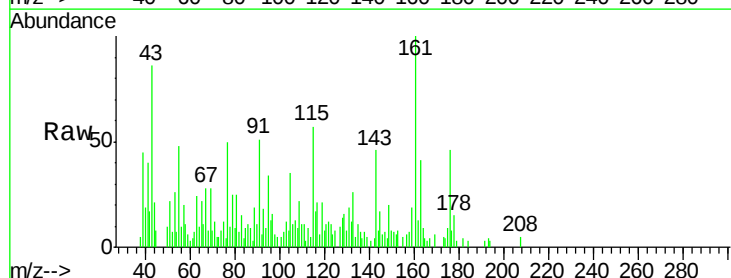
Instrument :
BNA_G
ClientSampleId :

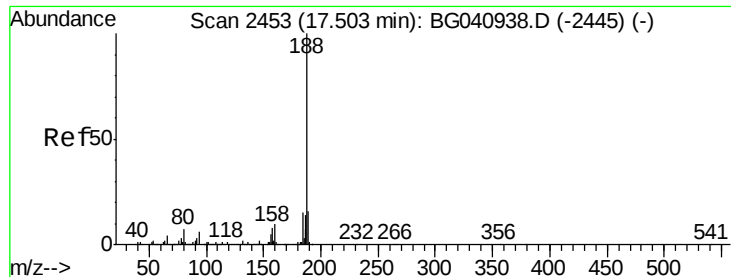
Tot Ion:163 Resp: 37238
Ion Ratio Lower Upper
163 100
194 5.0 3.8 5.8
164 11.0 8.7 13.1



#54
2,4-Dinitrophenol
Concen: 8.327 ng
RT: 14.85 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 899.4 49.8 74.6#
154 0.0 52.2 78.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

Instrument :

BNA_G

ClientSampled :

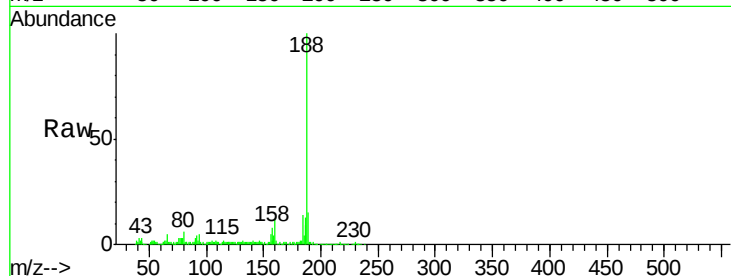
Tot Ion:188 Resp: 246260

Ion Ratio Lower Upper

188 100

94 5.3 4.7 7.1

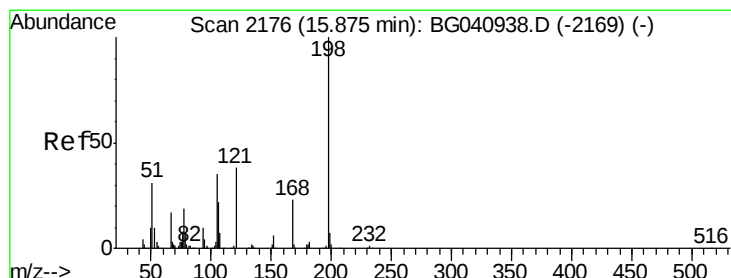
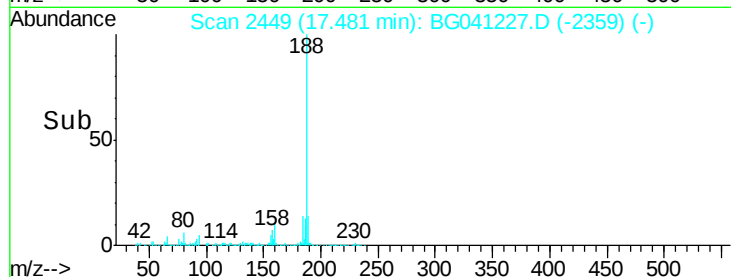
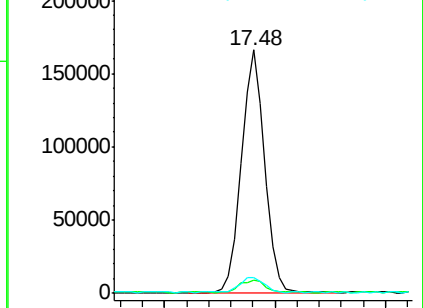
80 6.2 5.8 8.8



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: 9.072 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG041227.D

Acq: 13 Jun 2019 17:36

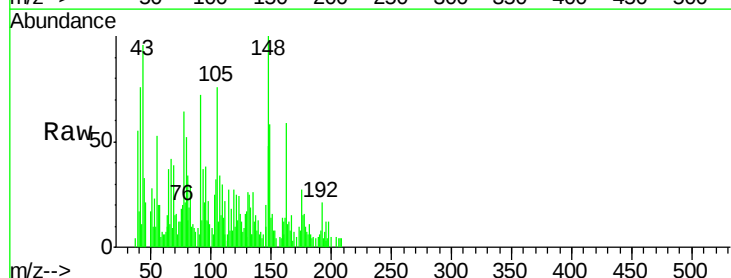
Tgt Ion:198 Resp: 776

Ion Ratio Lower Upper

198 100

51 232.9 21.6 61.6#

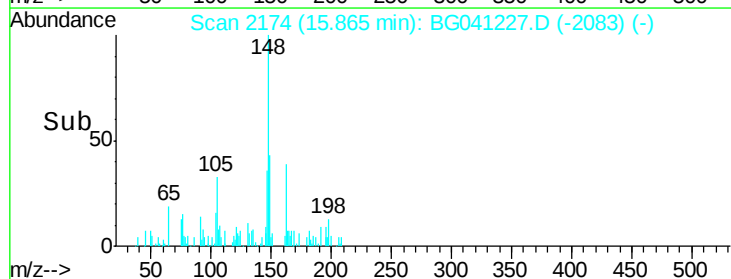
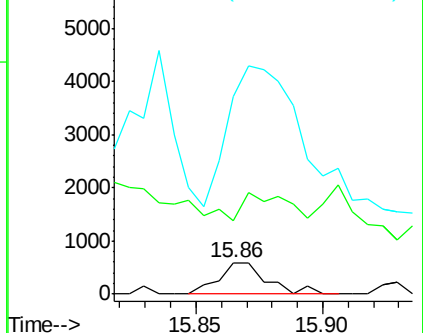
105 632.0 17.5 57.5#

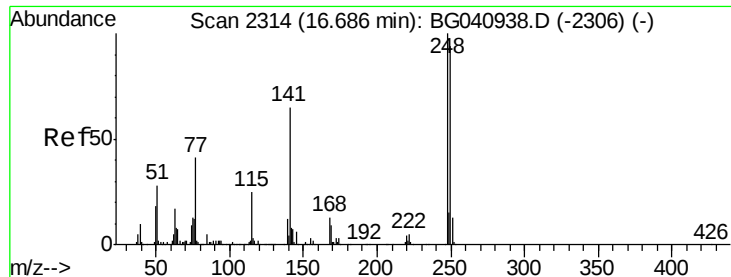


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

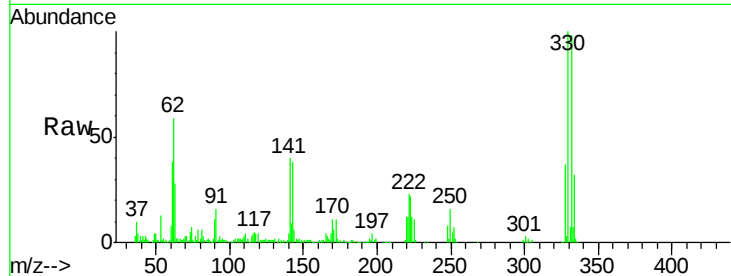




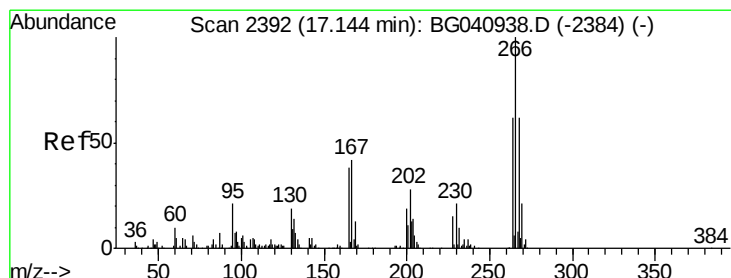
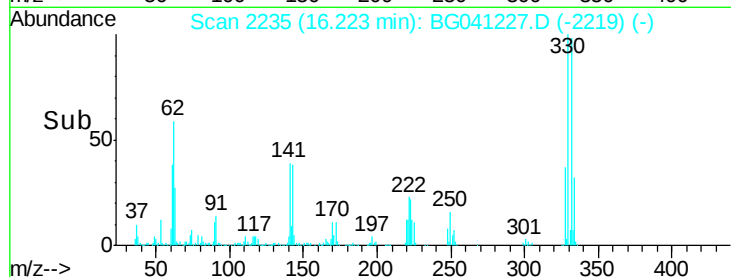
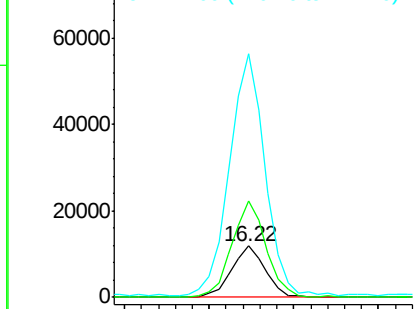
#67
4-Bromophenyl-phenylether
Concen: 4.931 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.44 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16386
Ion Ratio Lower Upper
248 100
250 189.7 75.0 112.4#
141 477.3 52.4 78.6#

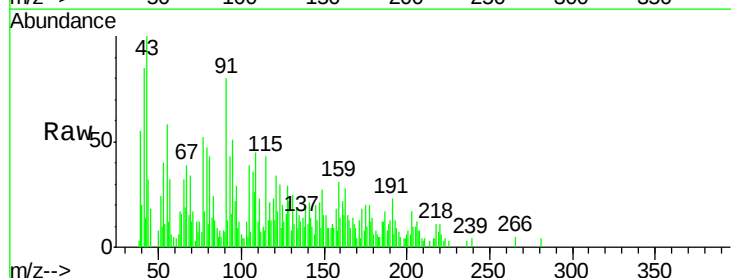


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

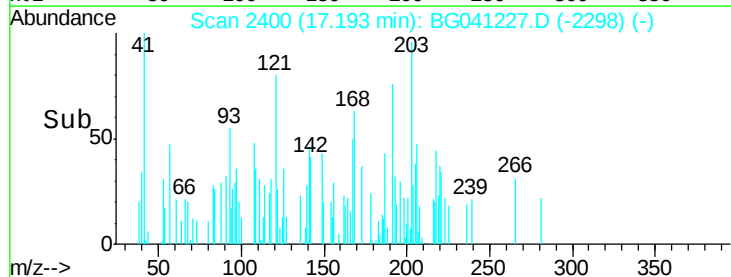
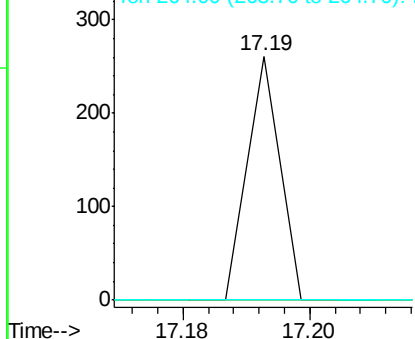


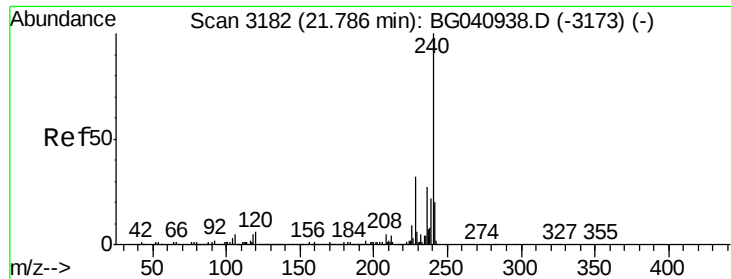
#70
Pentachlorophenol
Concen: 4.302 ng
RT: 17.19 min Scan# 2400
Delta R.T. 0.07 min
Lab File: BG041227.D
Acq: 13 Jun 2019 17:36

Tgt Ion:266 Resp: 92
Ion Ratio Lower Upper
266 100
268 0.0 53.1 79.7#
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

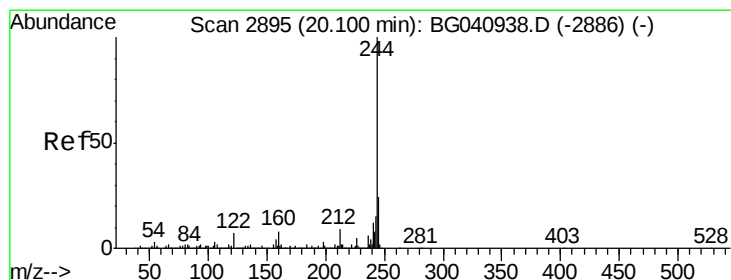
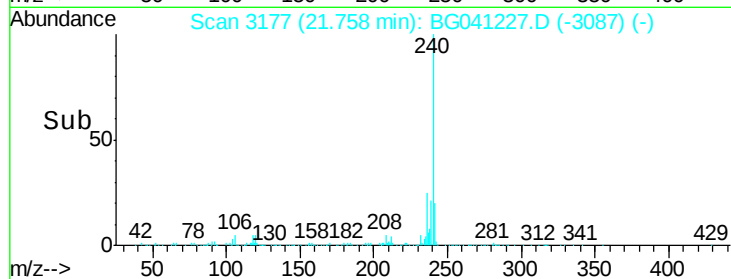
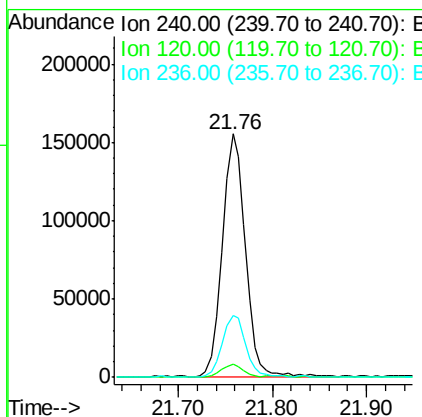
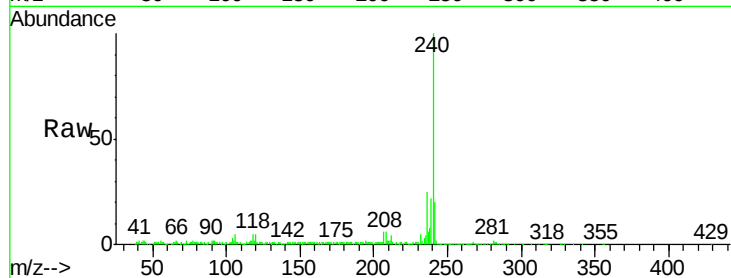




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

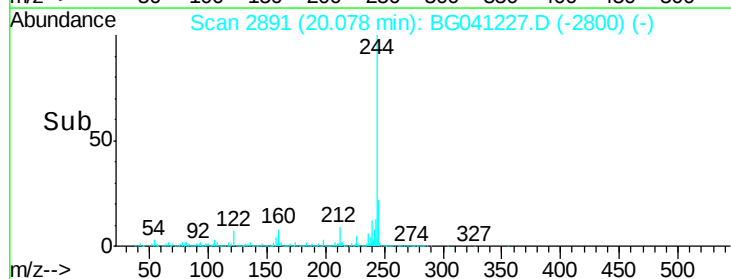
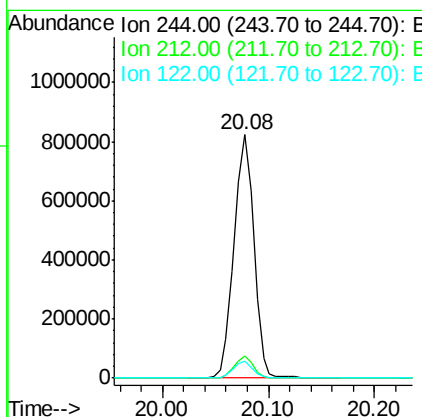
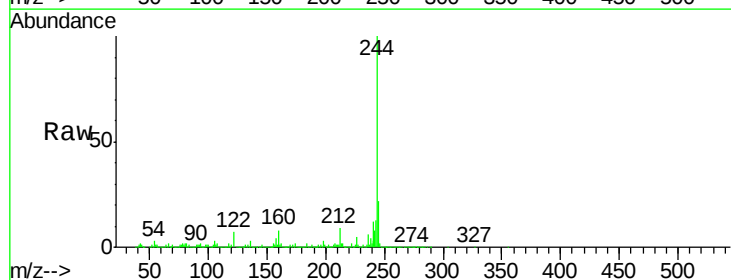
Instrument :
 BNA_G
 ClientSampleId :

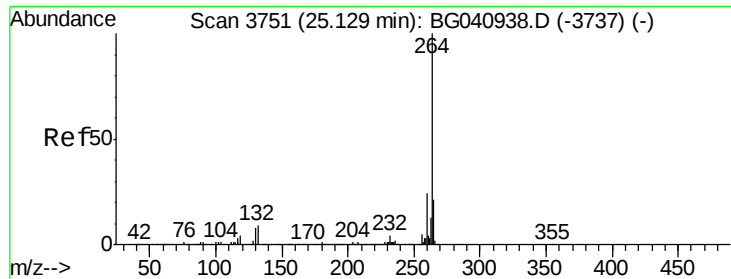
Tot Ion:240 Resp: 265014
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.5 6.7
 236 25.2 21.3 31.9



#79
 Terphenyl-d14
 Concen: 85.141 ng
 RT: 20.08 min Scan# 2891
 Delta R.T. 0.00 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

Tgt Ion:244 Resp: 1063143
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.4
 122 6.8 5.4 8.0





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.09 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: BG041227.D
 Acq: 13 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.8	17.0	25.4

