

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040965.D
 Acq On : 31 May 2019 00:38
 Operator : HP/JU
 Sample : K3090-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:05:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

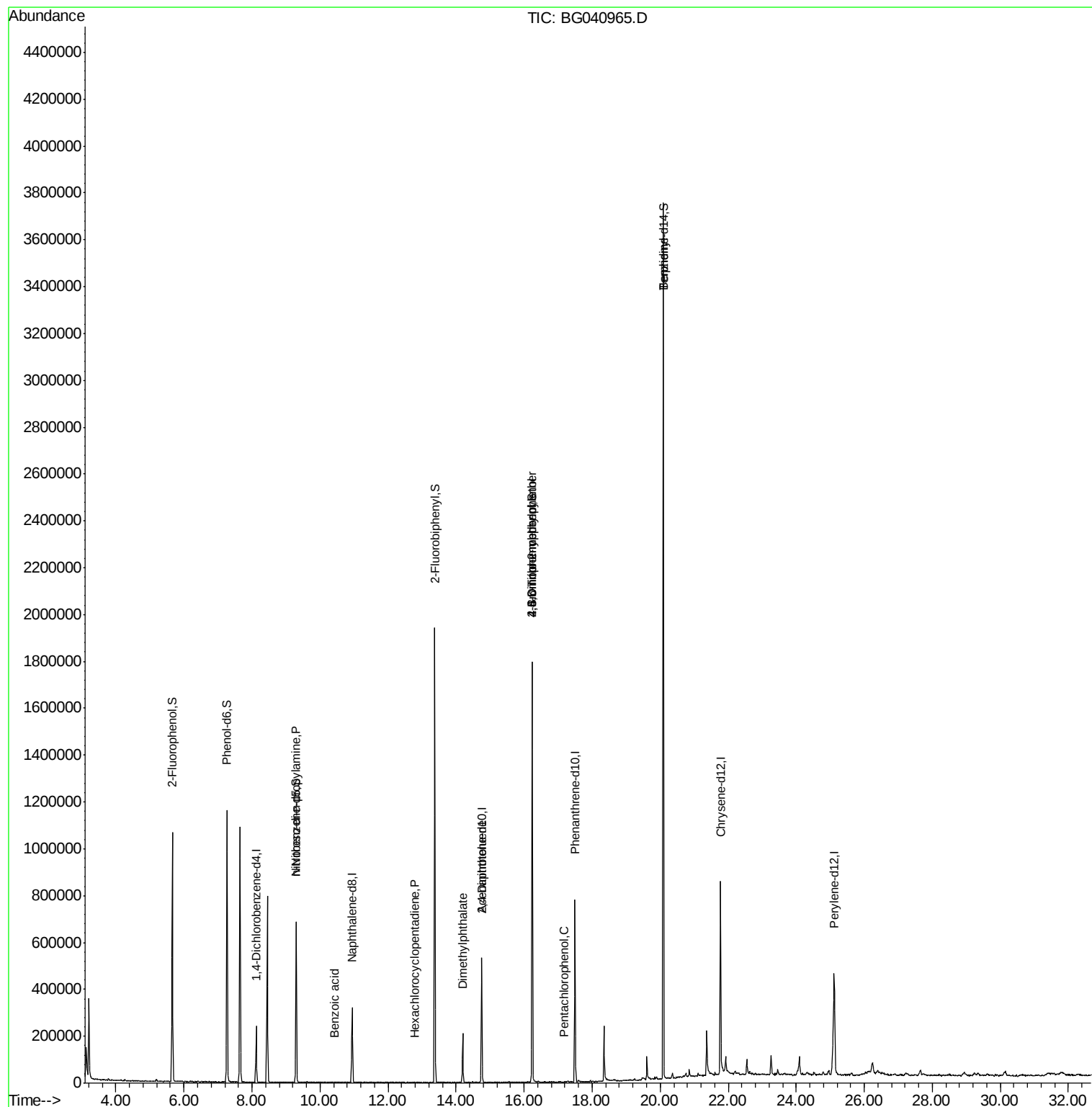
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	63413	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	251267	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	182508	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	491741	20.00	ng	0.00
76) Chrysene-d12	21.77	240	492657	20.00	ng	-0.01
87) Perylene-d12	25.11	264	514088	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	398936	113.44	ng	0.00
7) Phenol-d6	7.27	99	585939	107.89	ng	0.00
23) Nitrobenzene-d5	9.30	82	408211	72.12	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	325820	120.25	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	955536	75.40	ng	0.00
79) Terphenyl-d14	20.09	244	1735444	74.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	58990	14.114	ng	# 73
32) Benzoic acid	10.43	122	57	8.146	ng	# 1
41) Hexachlorocyclopentadiene	12.80	237	67	8.251	ng	# 26
50) Dimethylphthalate	14.19	163	135457	8.768	ng	99
57) 2,4-Dinitrotoluene	14.75	165	23879	5.075	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.24	198	1086	8.928	ng	# 32
67) 4-Bromophenyl-phenylether	16.24	248	24530	3.696	ng	# 1
70) Pentachlorophenol	17.17	266	66	4.272	ng	# 18
77) Benzidine	20.09	184	30648	2.608	ng	# 94

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

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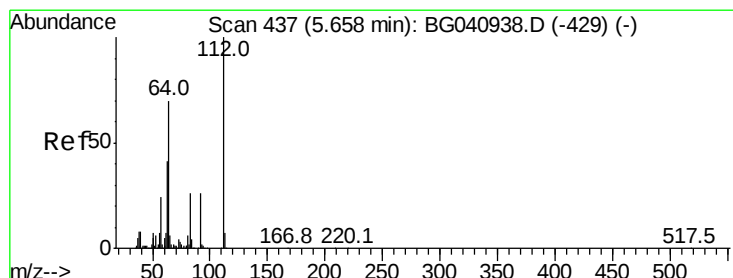
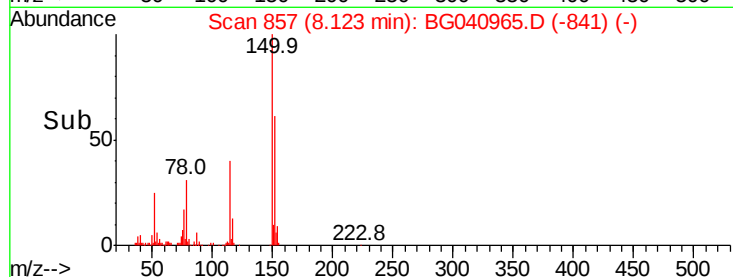
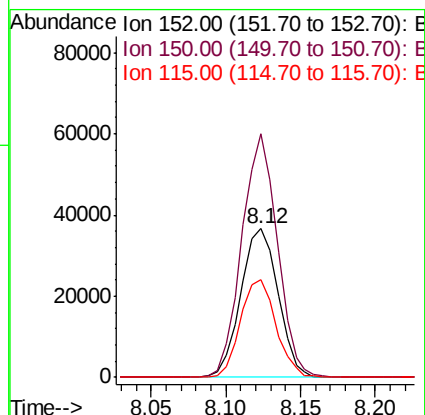
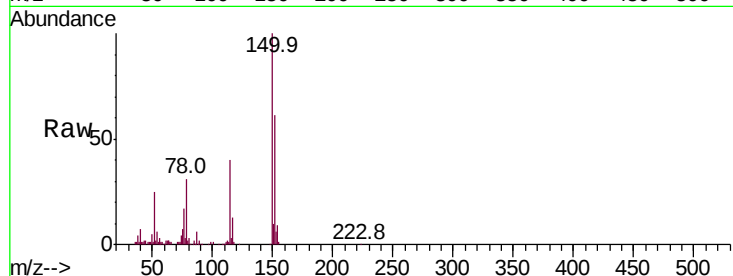


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Instrument :
BNA_G
ClientSampleId :

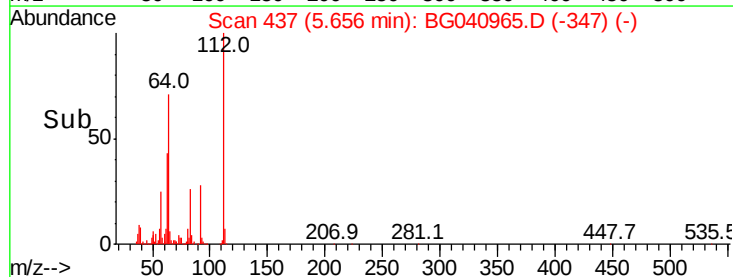
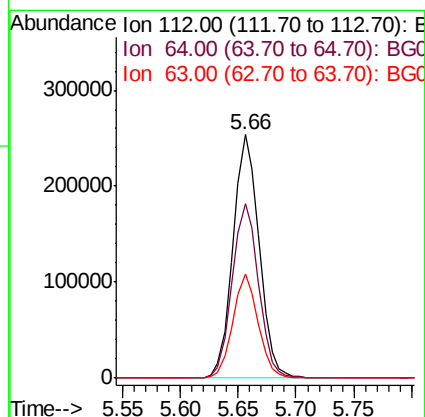
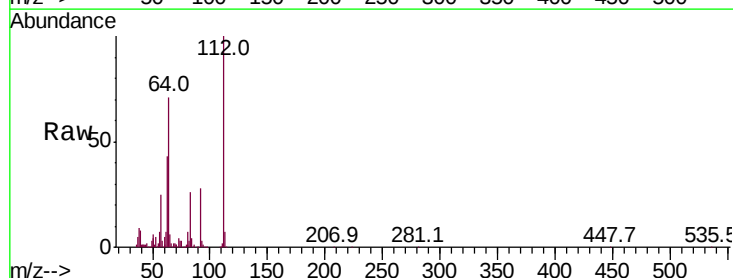
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	120.6	180.8
115	65.6	45.1	67.7

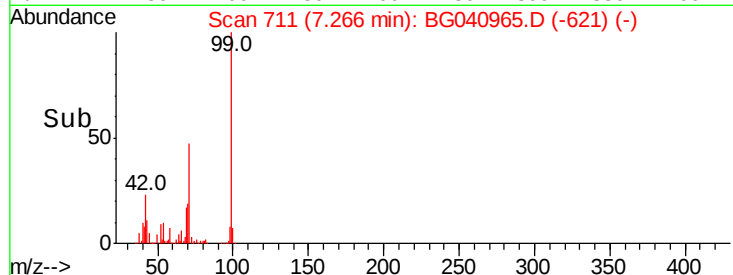
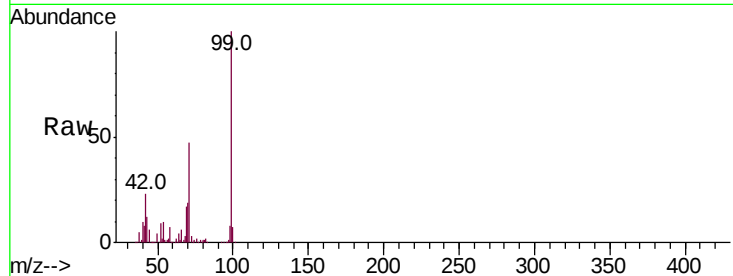
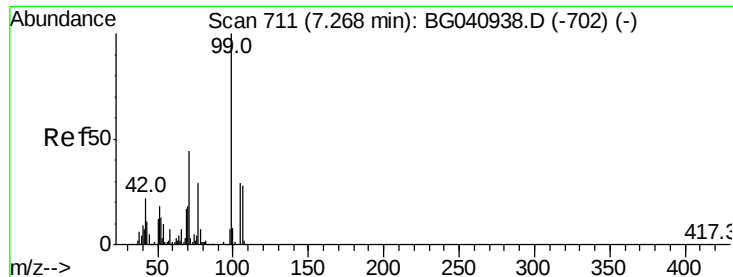


#5

2-Fluorophenol
Concen: 113.441 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	56.2	84.2
63	42.8	32.8	49.2





#7

Phenol-d6

Concen: 107.885 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampleId :

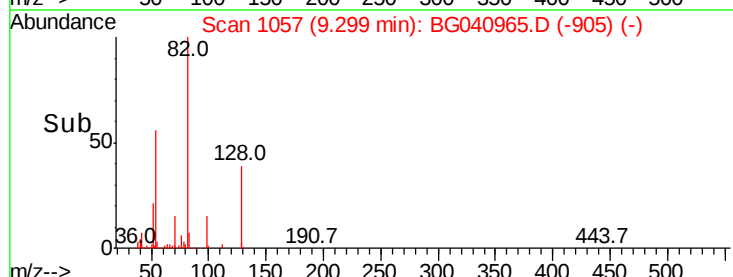
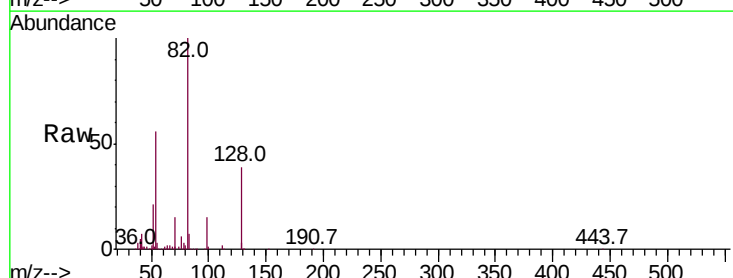
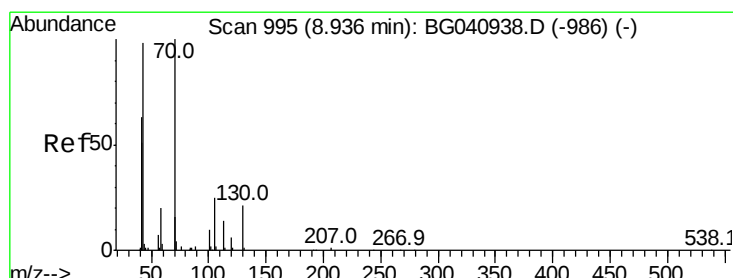
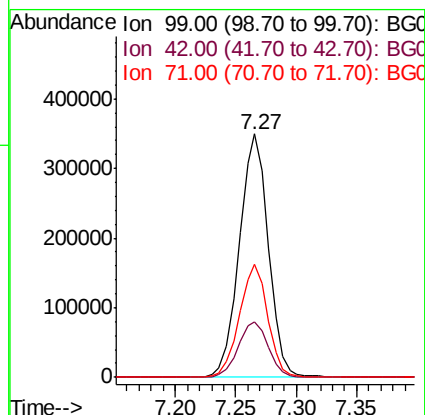
Tot Ion: 99 Resp: 585939

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 46.6 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.114 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Tgt Ion: 70 Resp: 58990

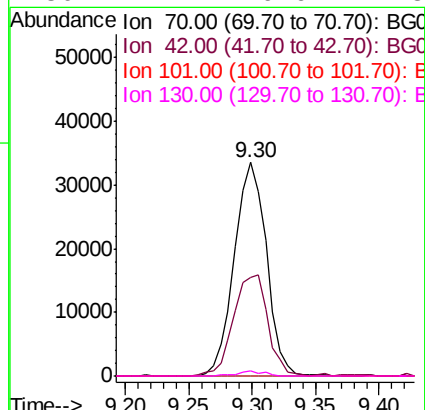
Ion Ratio Lower Upper

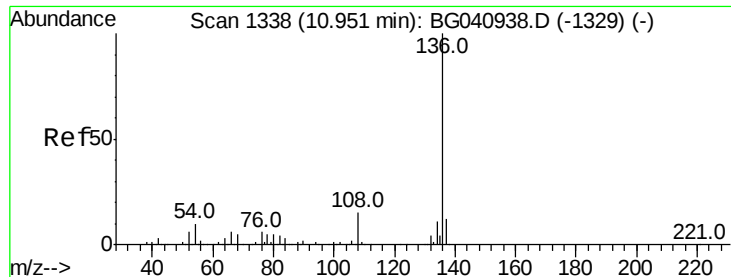
70 100

42 46.2 51.5 77.3#

101 0.0 8.1 12.1#

130 2.1 16.6 24.8#

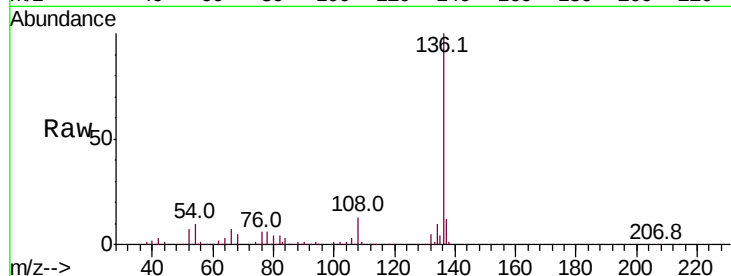




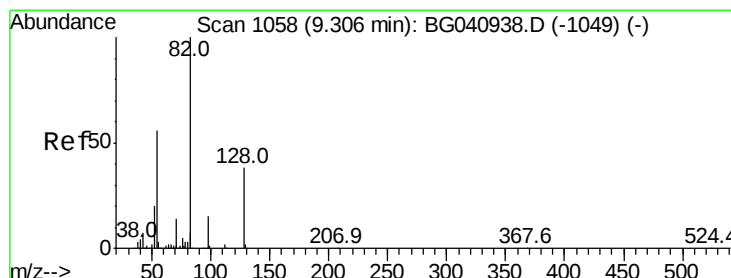
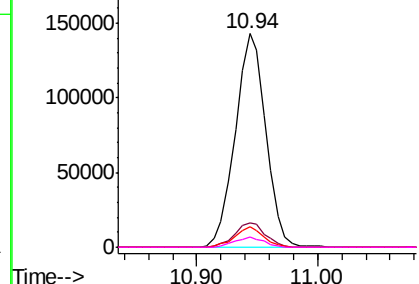
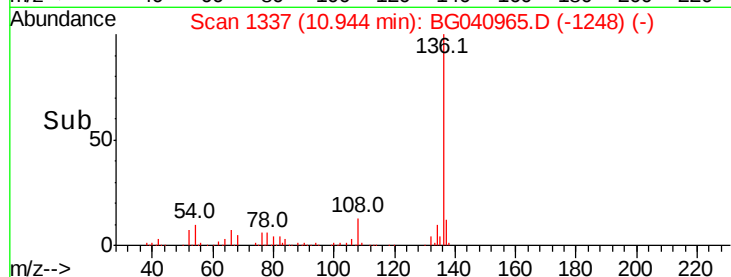
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	251267
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.5 14.3
54	9.8	7.6 11.4
68	5.0	3.9 5.9

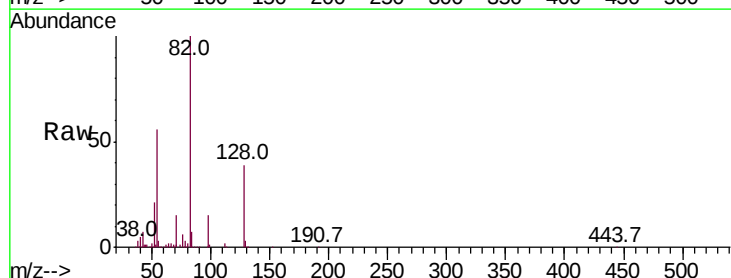


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

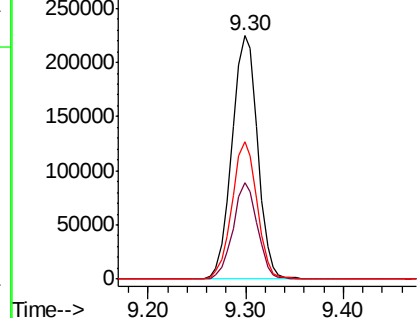
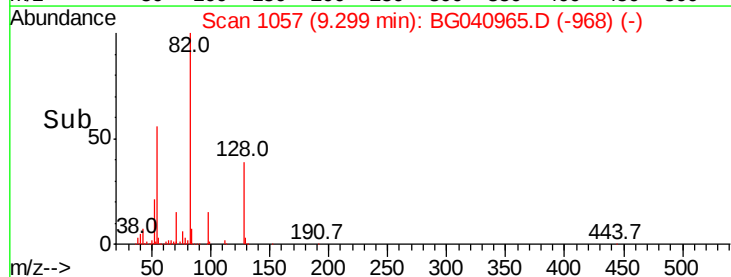


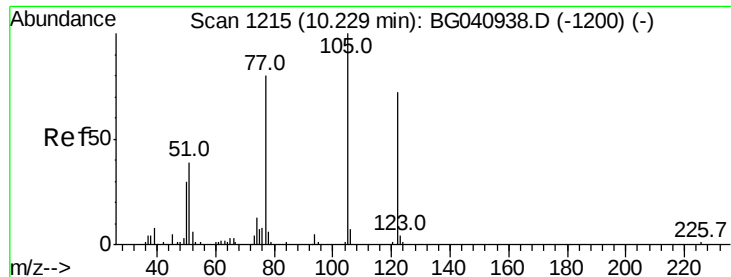
#23
Nitrobenzene-d5
Concen: 72.122 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Tgt Ion: 82	Resp:	408211
Ion Ratio	Lower	Upper
82	100	
128	39.4	30.5 45.7
54	56.2	44.6 66.8



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

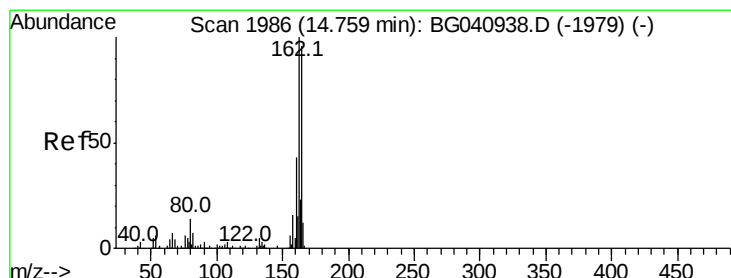
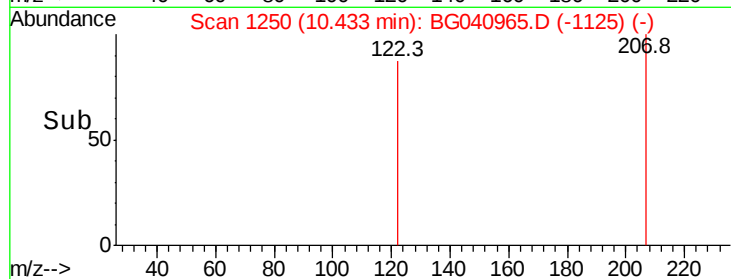
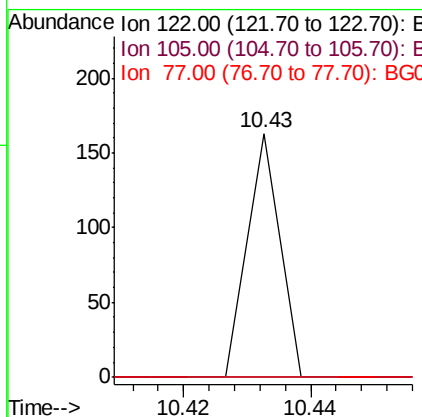
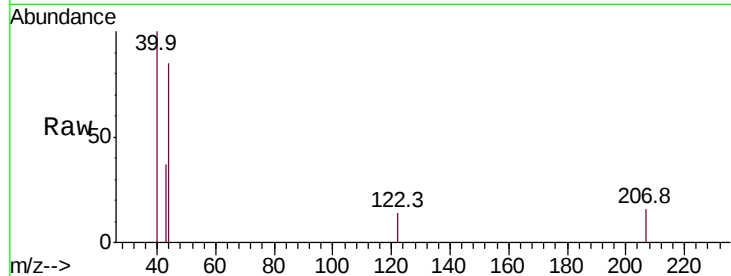




#32
Benzoic acid
Concen: 8.146 ng
RT: 10.43 min Scan# 1250
Delta R.T. 0.20 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

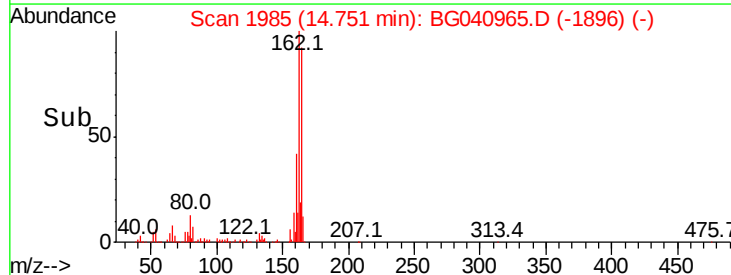
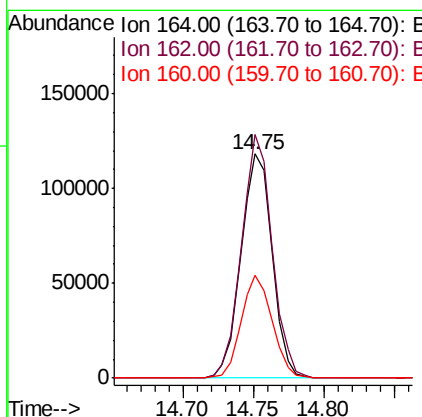
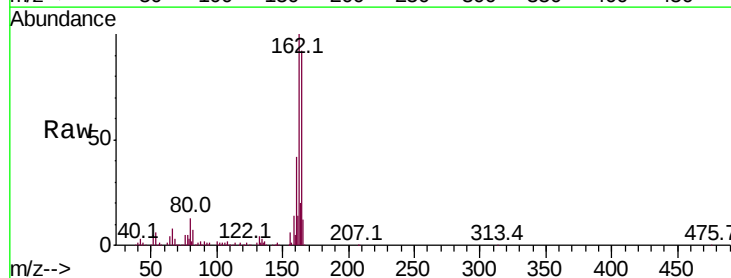
Instrument :
BNA_G
ClientSampleId :

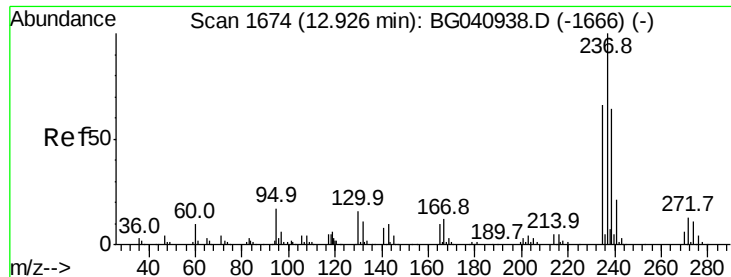
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 89.9 129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Tgt Ion:164 Resp: 182508
Ion Ratio Lower Upper
164 100
162 108.8 83.0 124.4
160 45.7 35.6 53.4





#41

Hexachlorocyclopentadiene

Concen: 8.251 ng

RT: 12.80 min Scan# 1653

Delta R.T. -0.12 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampleId :

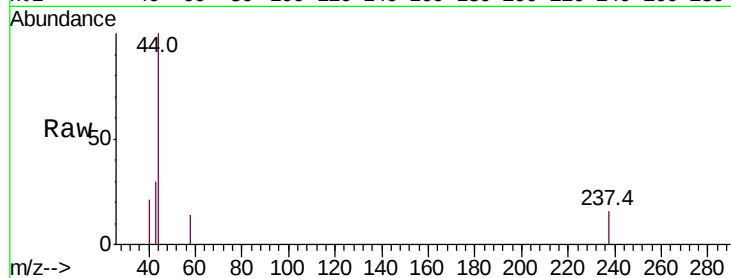
Tot Ion:237 Resp: 67

Ion Ratio Lower Upper

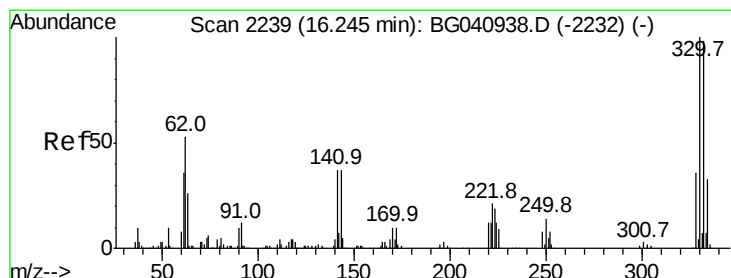
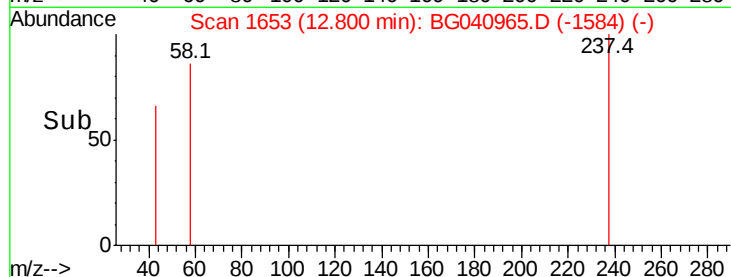
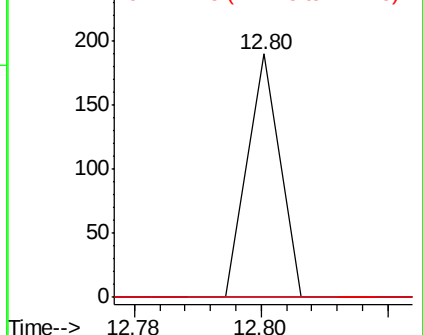
237 100

235 0.0 45.5 85.5#

272 0.0 0.0 32.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 120.253 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

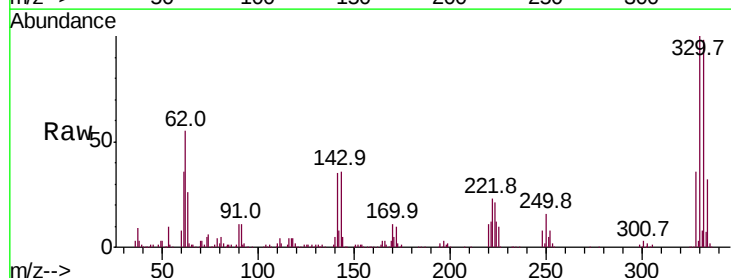
Tgt Ion:330 Resp: 325820

Ion Ratio Lower Upper

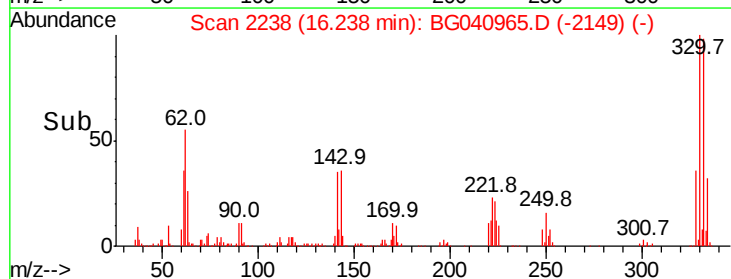
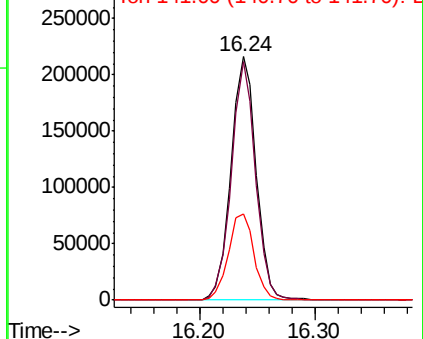
330 100

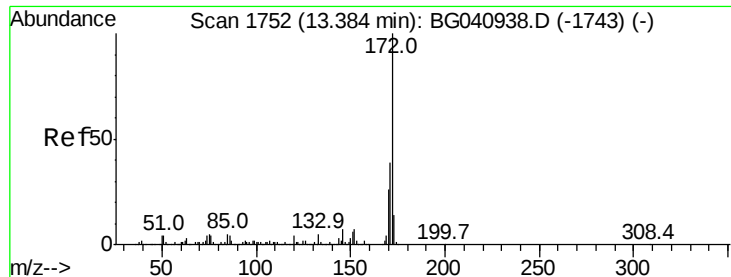
332 94.2 78.5 117.7

141 36.5 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





#45

2-Fluorobiphenyl

Concen: 75.398 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampleId :

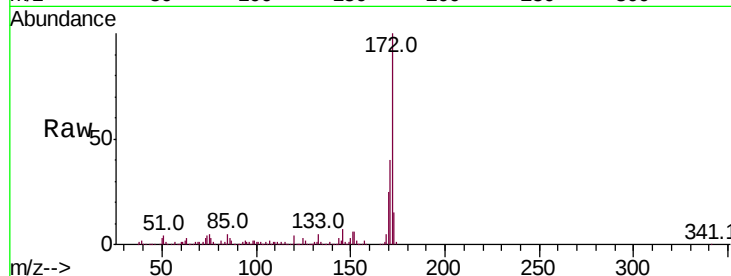
Tot Ion:172 Resp: 955536

Ion Ratio Lower Upper

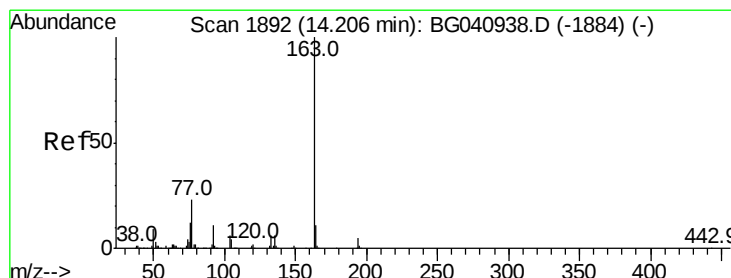
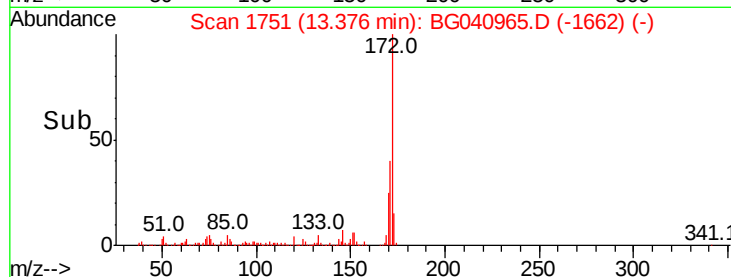
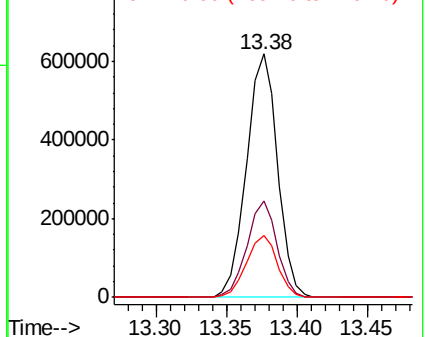
172 100

171 39.6 31.1 46.7

170 25.4 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: 8.768 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

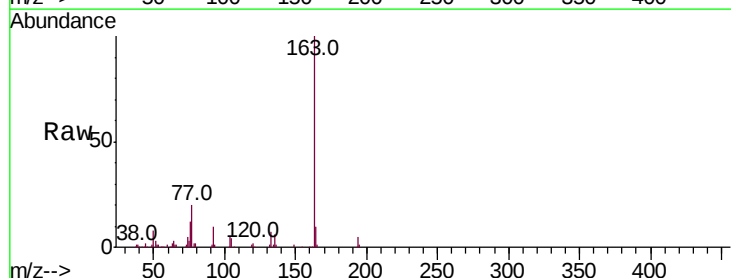
Tgt Ion:163 Resp: 135457

Ion Ratio Lower Upper

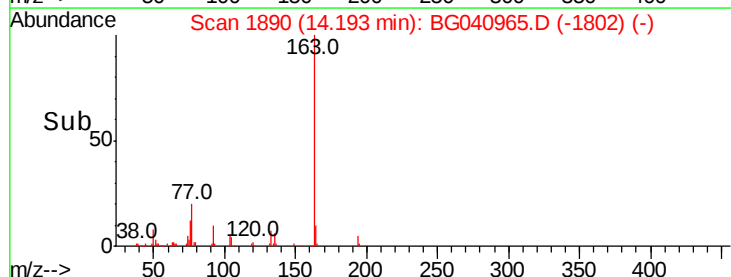
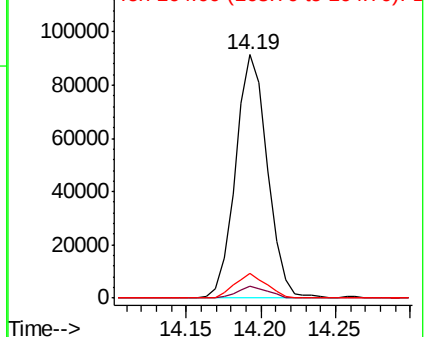
163 100

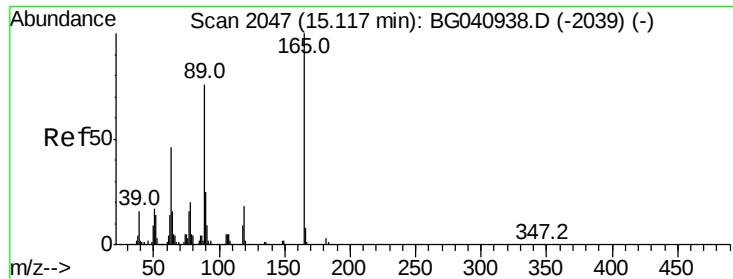
194 5.0 3.8 5.8

164 10.3 8.7 13.1



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

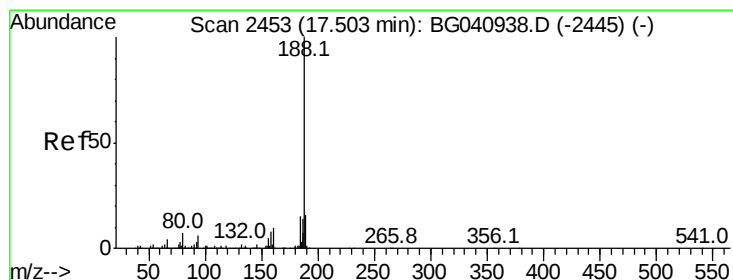
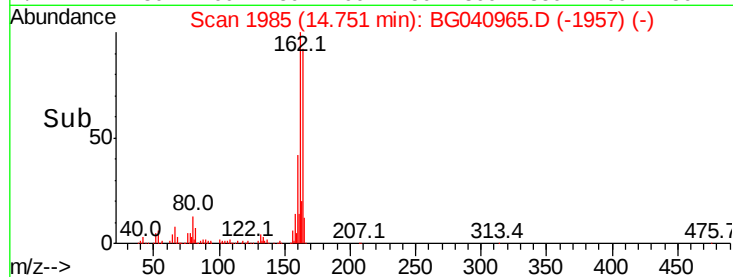
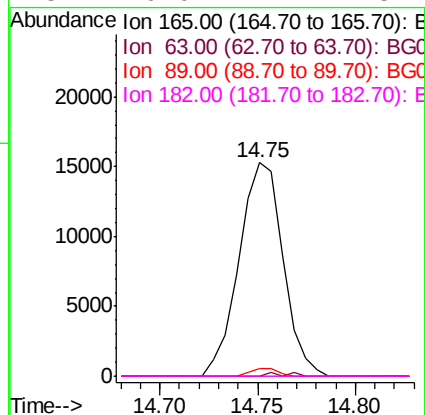
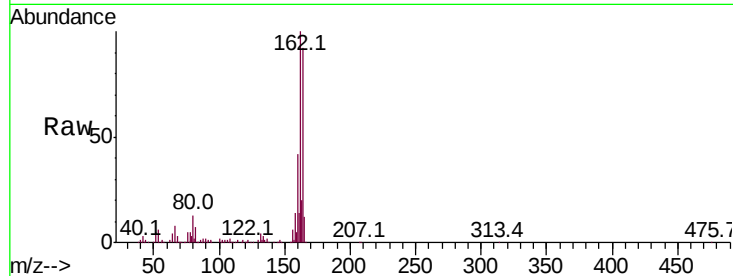




#57
2,4-Dinitrotoluene
Concen: 5.075 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

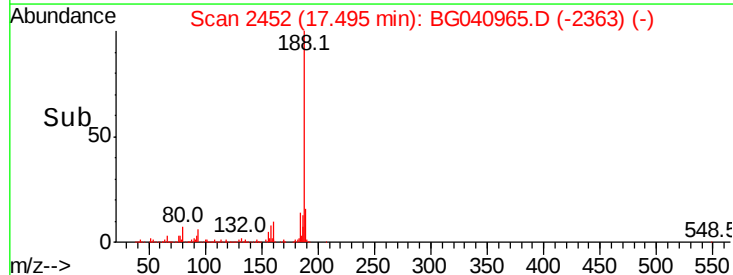
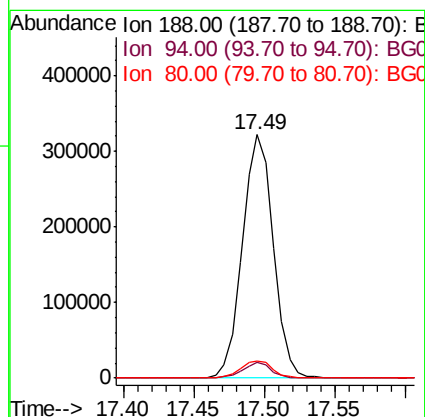
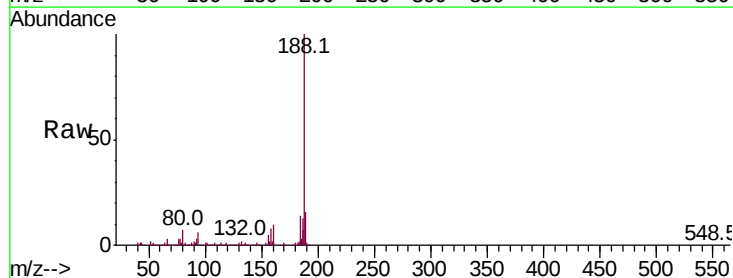
Instrument :
BNA_G
ClientSampleId :

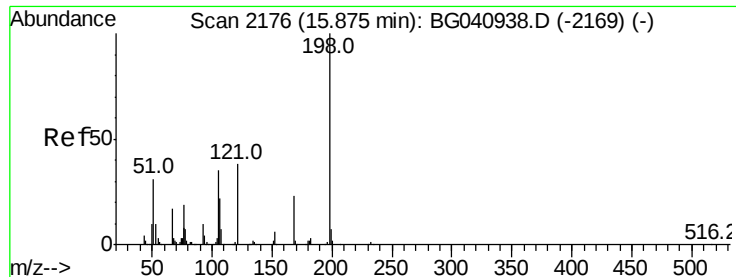
Tot Ion:165 Resp: 23879
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 3.7 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040965.D
Acq: 31 May 2019 00:38

Tgt Ion:188 Resp: 491741
Ion Ratio Lower Upper
188 100
94 6.2 4.7 7.1
80 7.1 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.928 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampled :

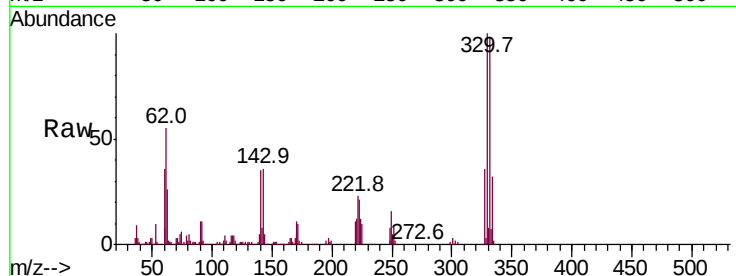
Tot Ion:198 Resp: 1086

Ion Ratio Lower Upper

198 100

51 77.7 21.6 61.6#

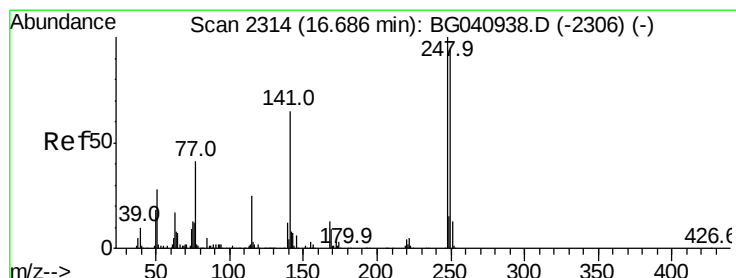
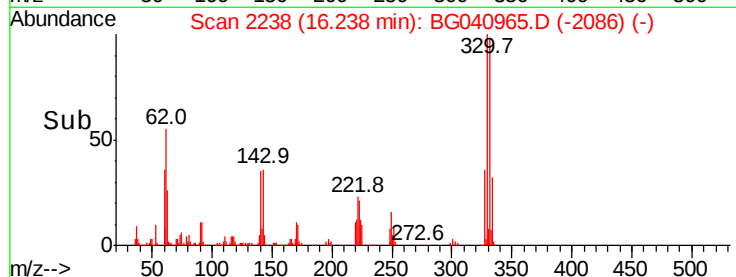
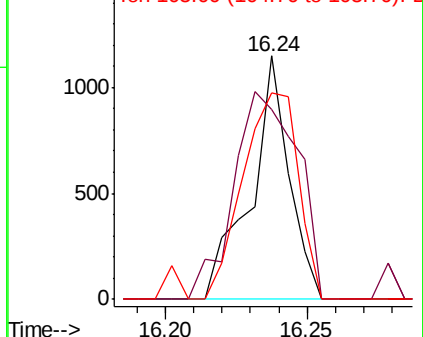
105 85.0 17.5 57.5#



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: 3.696 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

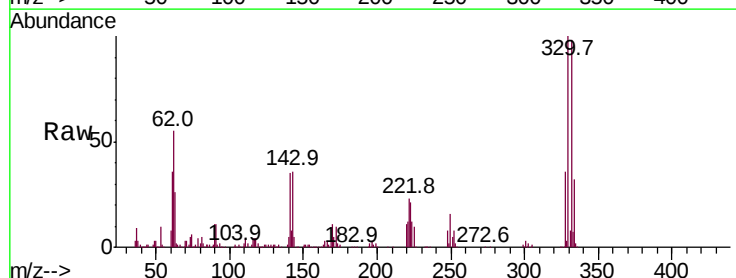
Tgt Ion:248 Resp: 24530

Ion Ratio Lower Upper

248 100

250 195.9 75.0 112.4#

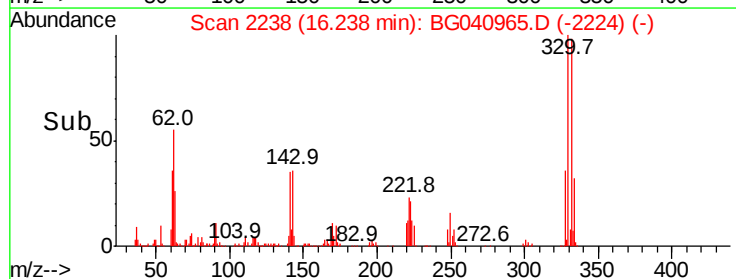
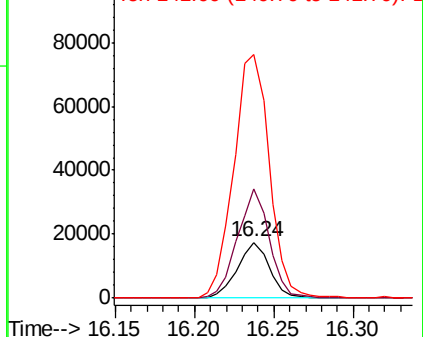
141 436.2 52.4 78.6#

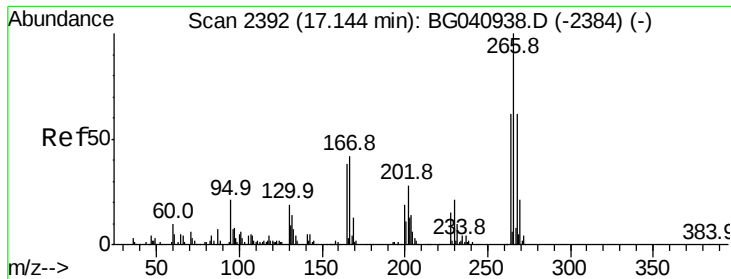


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.272 ng

RT: 17.17 min Scan# 2396

Delta R.T. 0.02 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampled :

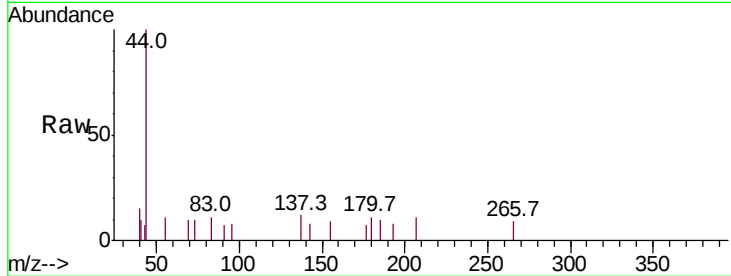
Tot Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

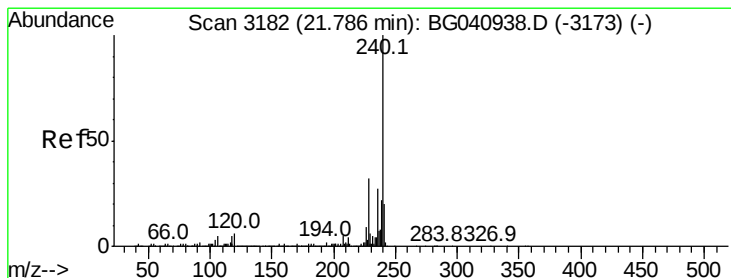
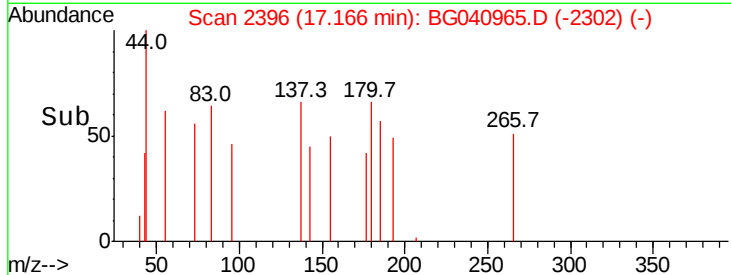
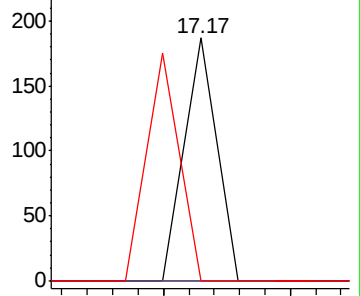
264 0.0 49.9 74.9#



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: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

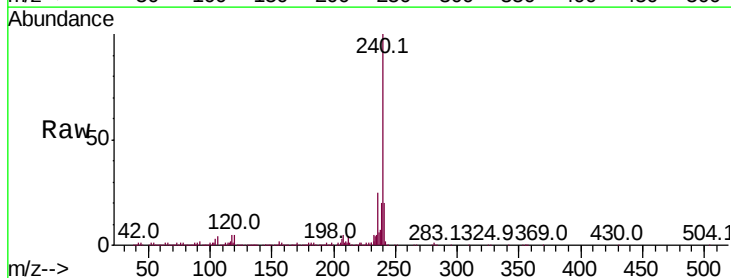
Tgt Ion:240 Resp: 492657

Ion Ratio Lower Upper

240 100

120 4.8 4.5 6.7

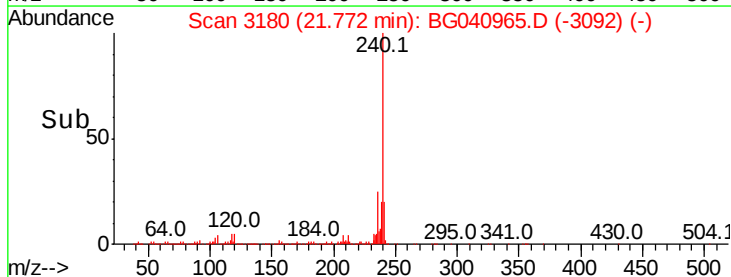
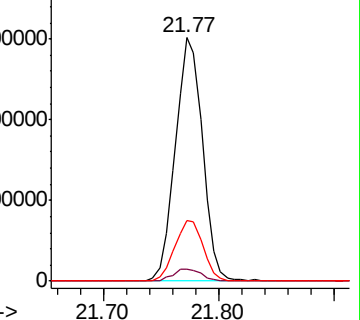
236 24.9 21.3 31.9

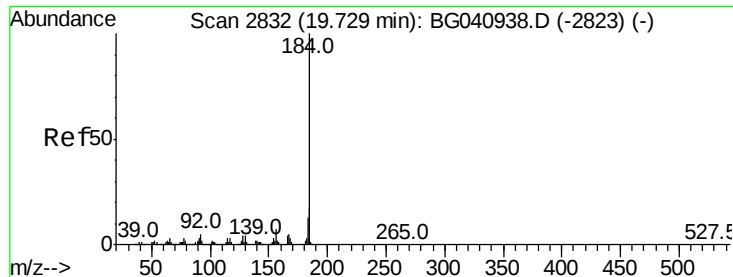


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.608 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

Instrument :

BNA_G

ClientSampleId :

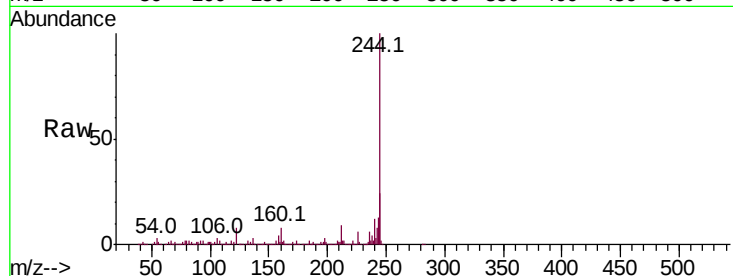
Tot Ion:184 Resp: 30648

Ion Ratio Lower Upper

184 100

185 18.0 13.3 19.9

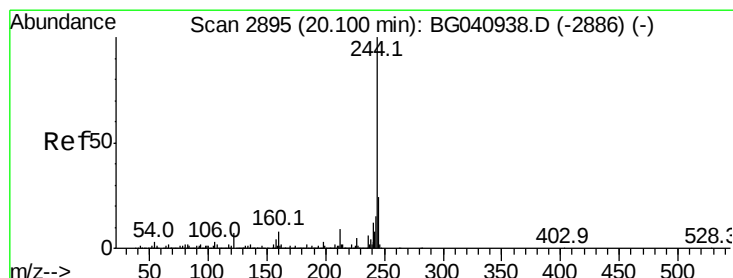
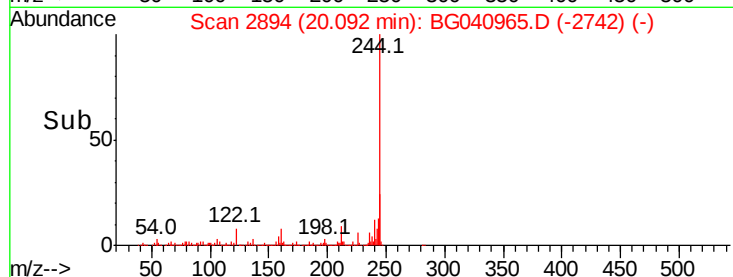
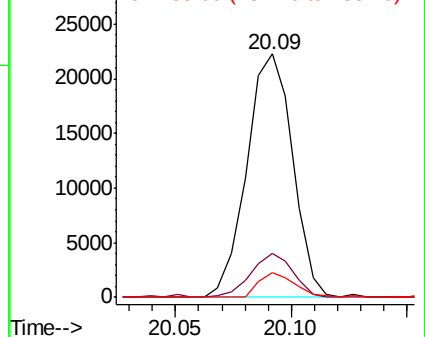
183 9.9 10.7 16.1#



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: 74.762 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040965.D

Acq: 31 May 2019 00:38

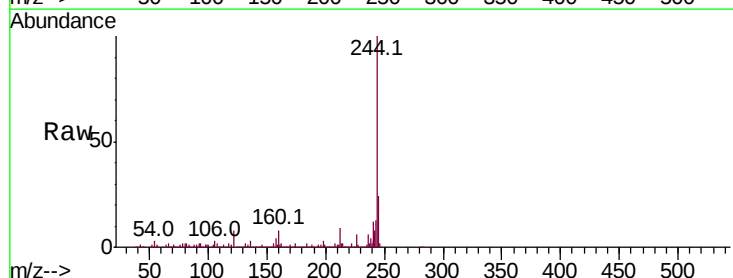
Tgt Ion:244 Resp: 1735444

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

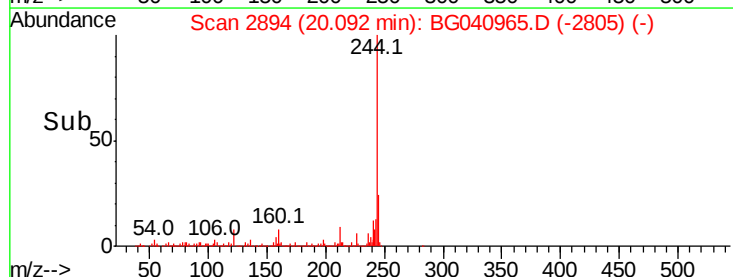
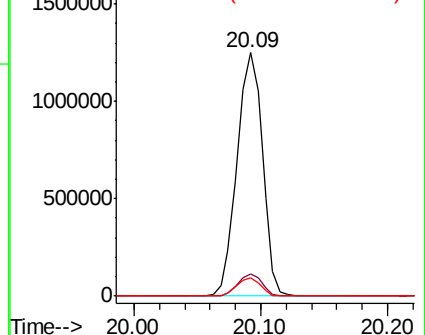
122 7.6 5.4 8.0

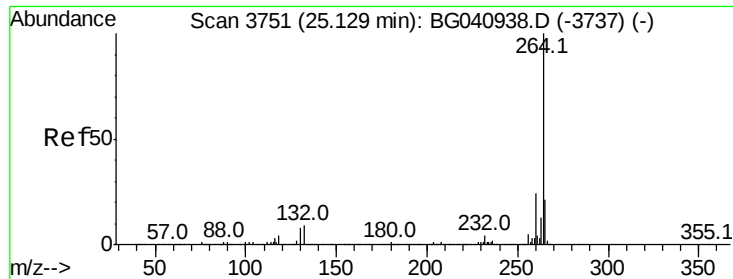


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3748
 Delta R.T. -0.02 min
 Lab File: BG040965.D
 Acq: 31 May 2019 00:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.8	17.0	25.4

