

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040967.D
 Acq On : 31 May 2019 1:53
 Operator : HP/JU
 Sample : K3068-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:05:36 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	59368	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	237920	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	173799	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	447436	20.00	ng	0.00
76) Chrysene-d12	21.77	240	455368	20.00	ng	-0.01
87) Perylene-d12	25.11	264	476785	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	359693	109.25	ng	0.00
7) Phenol-d6	7.26	99	538179	105.84	ng	0.00
23) Nitrobenzene-d5	9.30	82	379861	70.88	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	293249	113.66	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	821626	68.08	ng	0.00
79) Terphenyl-d14	20.09	244	1374715	64.07	ng	0.00

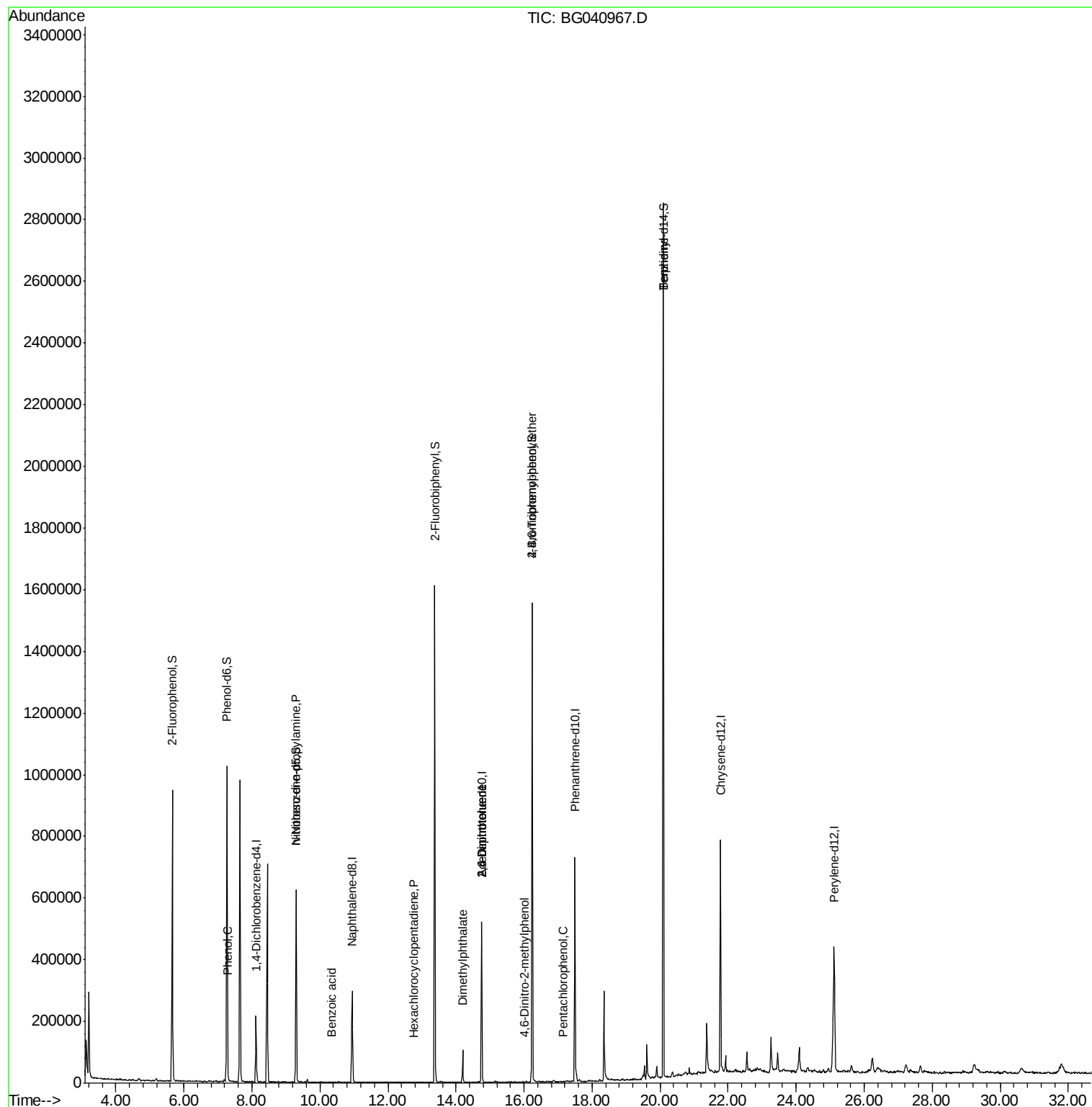
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	13493	2.475	ng	93
19) n-Nitroso-di-n-propylamine	9.30	70	55415	14.162	ng	# 70
32) Benzoic acid	10.35	122	54	8.146	ng	# 1
41) Hexachlorocyclopentadiene	12.77	237	62	8.250	ng	# 26
50) Dimethylphthalate	14.19	163	66128	4.495	ng	99
51) 2,6-Dinitrotoluene	14.75	165	22955	7.237	ng	# 21
57) 2,4-Dinitrotoluene	14.75	165	22955	5.123	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.02	198	58	8.609	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	22146	3.668	ng	# 1
70) Pentachlorophenol	17.14	266	62	4.273	ng	# 18
77) Benzidine	20.09	184	24531	2.258	ng	# 94

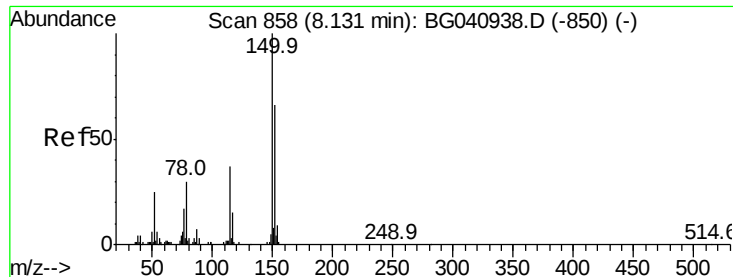
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040967.D
Acq On : 31 May 2019 1:53
Operator : HP/JU
Sample : K3068-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 31 04:05:36 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampleId :

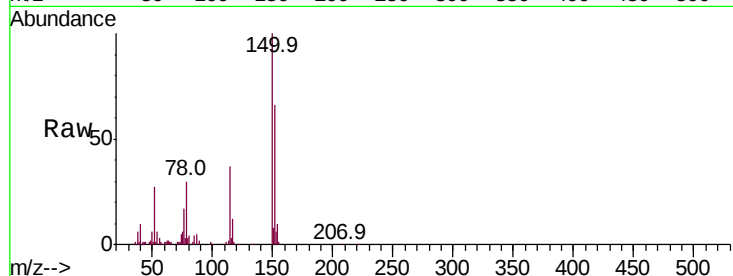
Tot Ion:152 Resp: 59368

Ion Ratio Lower Upper

152 100

150 152.0 120.6 180.8

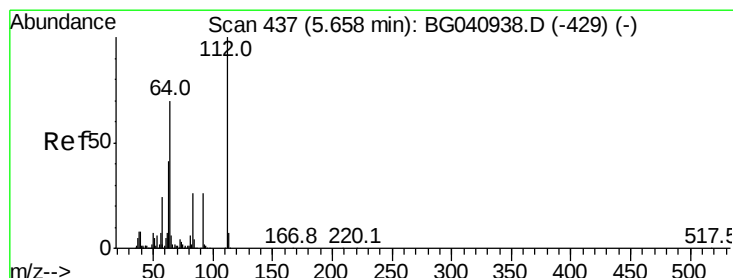
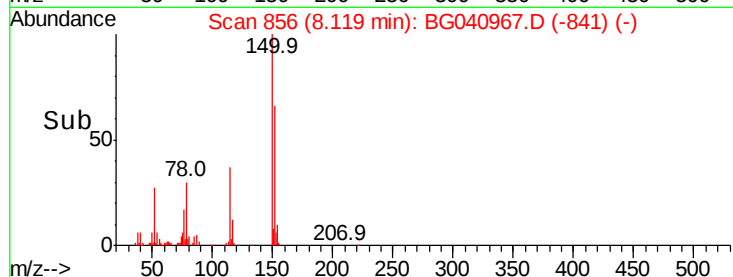
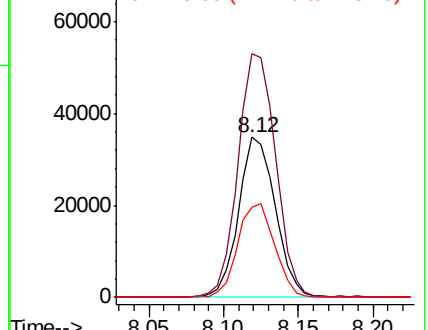
115 56.5 45.1 67.7



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: 109.251 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

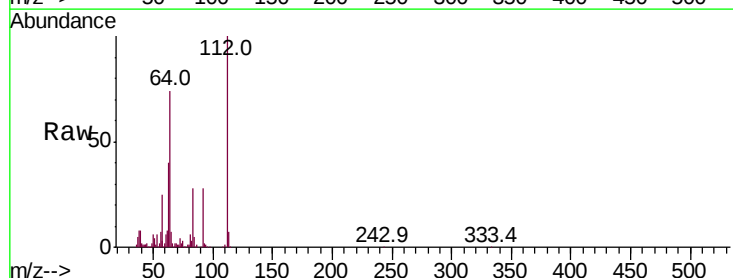
Tgt Ion:112 Resp: 359693

Ion Ratio Lower Upper

112 100

64 73.8 56.2 84.2

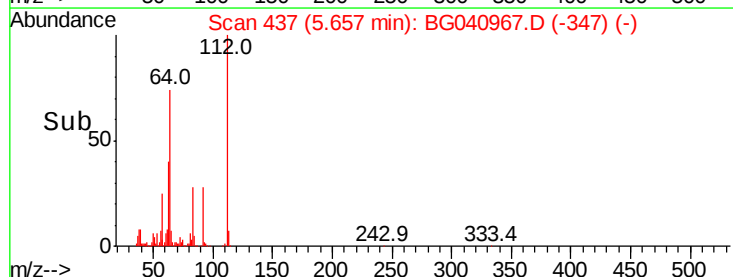
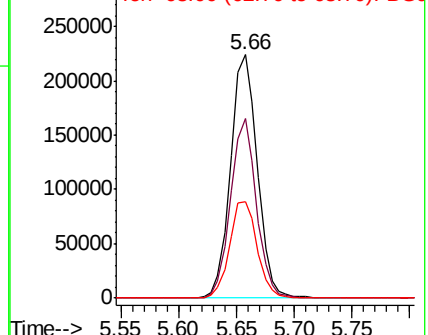
63 39.7 32.8 49.2

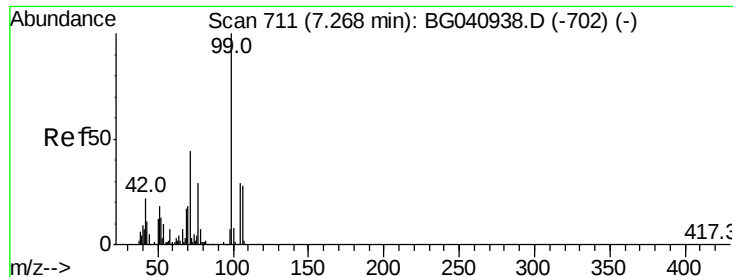


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 105.843 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampleId :

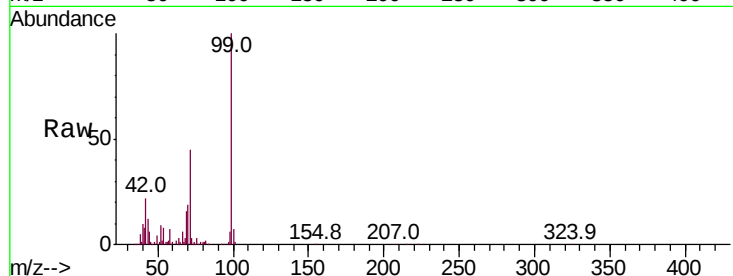
Tot Ion: 99 Resp: 538179

Ion Ratio Lower Upper

99 100

42 22.3 17.9 26.9

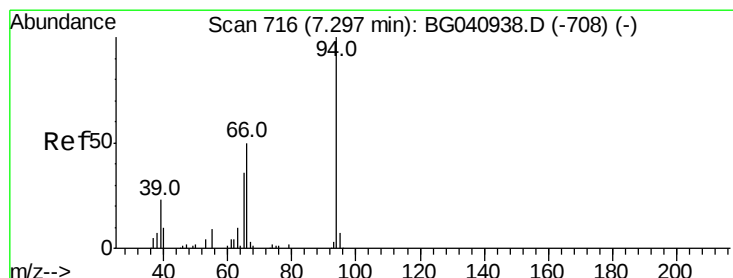
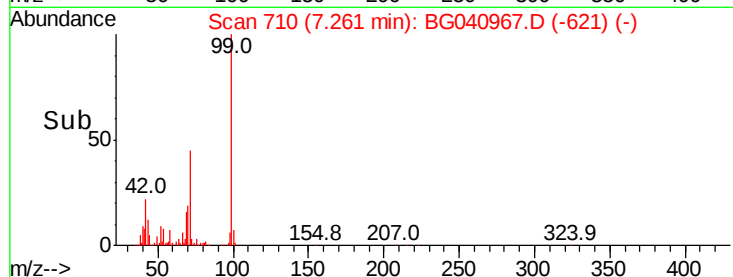
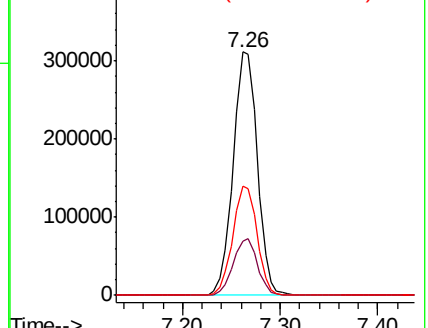
71 44.7 35.4 53.0



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



#10

Phenol

Concen: 2.475 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

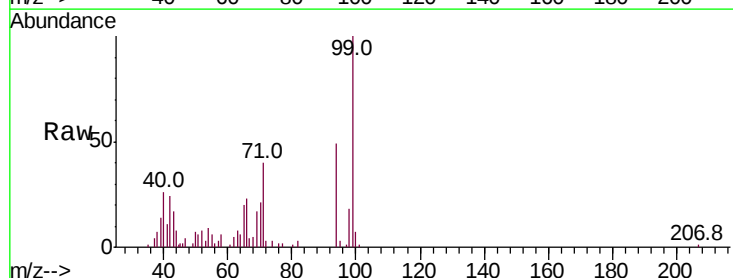
Tgt Ion: 94 Resp: 13493

Ion Ratio Lower Upper

94 100

65 40.7 17.0 57.0

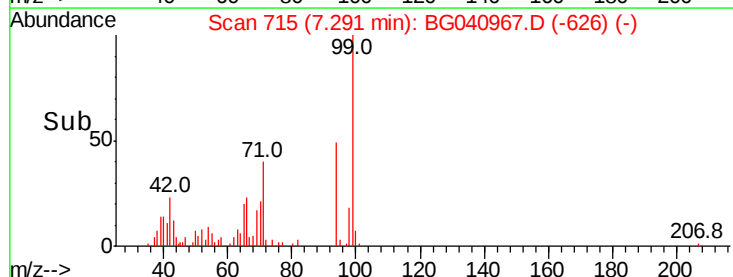
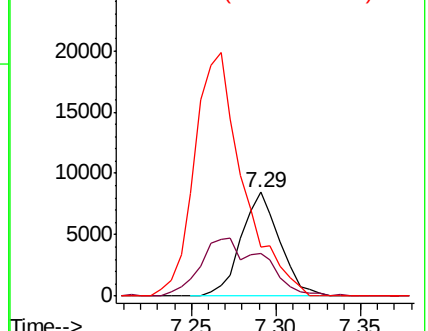
66 47.1 32.4 72.4

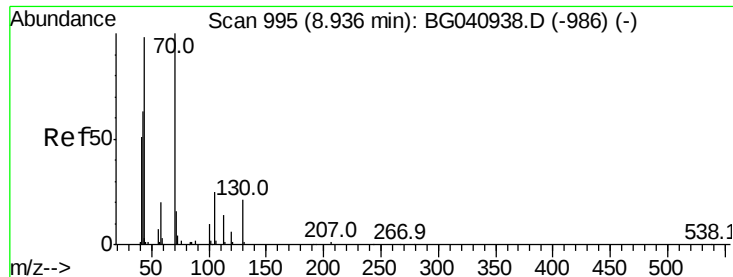


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

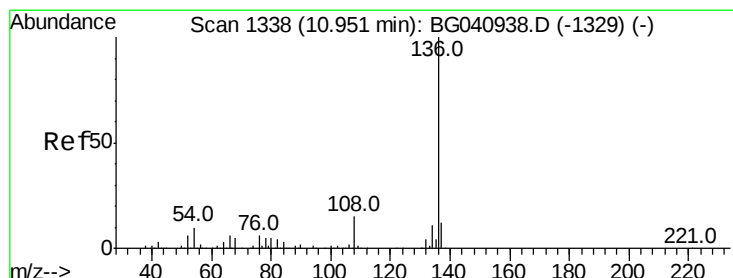
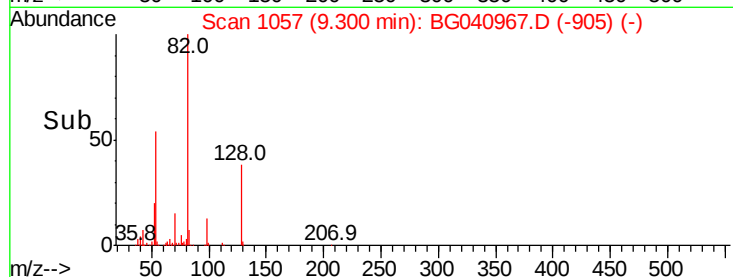
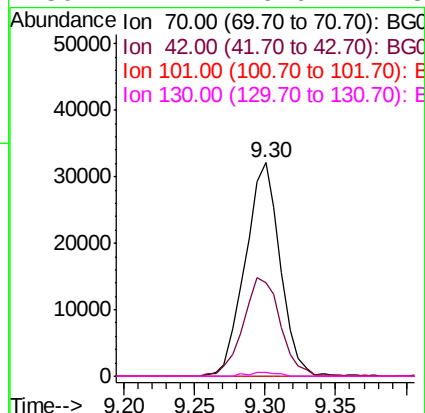
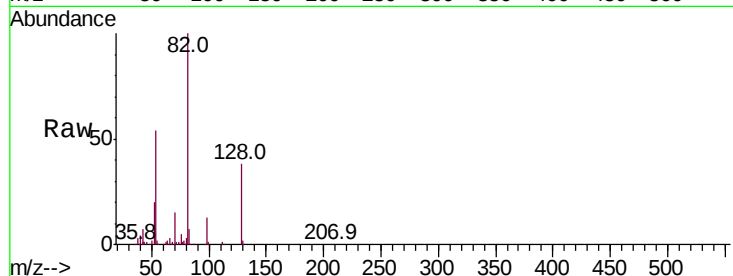




#19
n-Nitroso-di-n-propylamine
Concen: 14.162 ng
RT: 9.30 min Scan# 1057
Delta R.T. 0.36 min
Lab File: BG040967.D
Acq: 31 May 2019 1:53

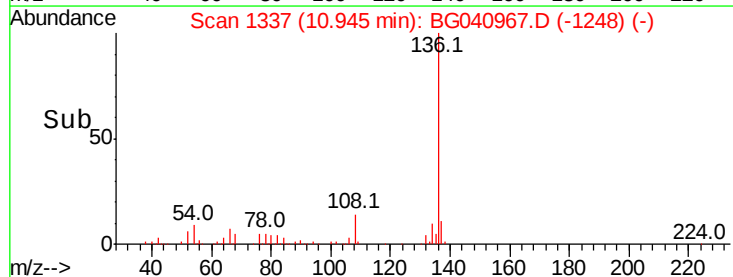
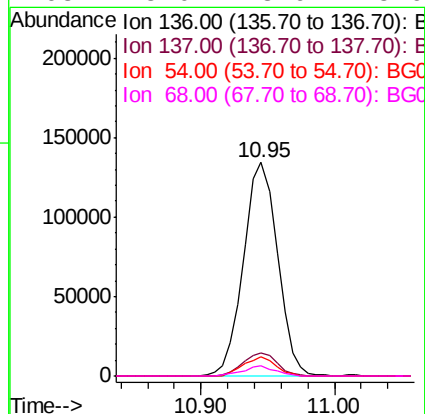
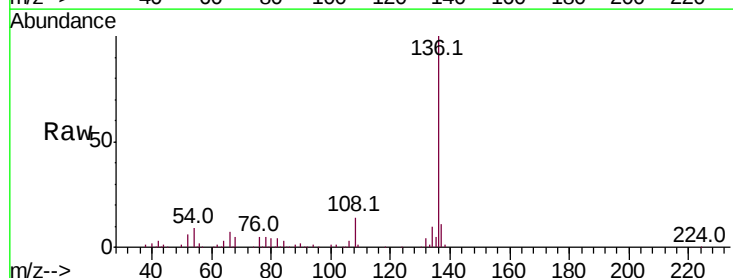
Instrument :
BNA_G
ClientSampleId :

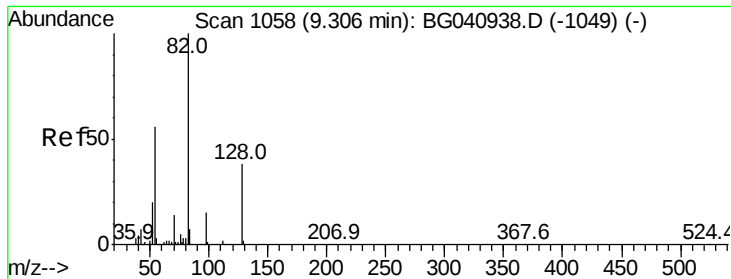
Tot Ion: 70 Resp: 55415
Ion Ratio Lower Upper
70 100
42 43.7 51.5 77.3#
101 0.0 8.1 12.1#
130 1.7 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040967.D
Acq: 31 May 2019 1:53

Tgt Ion: 136 Resp: 237920
Ion Ratio Lower Upper
136 100
137 10.8 9.5 14.3
54 8.9 7.6 11.4
68 5.0 3.9 5.9

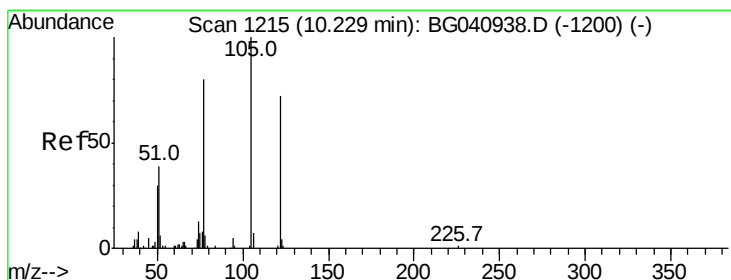
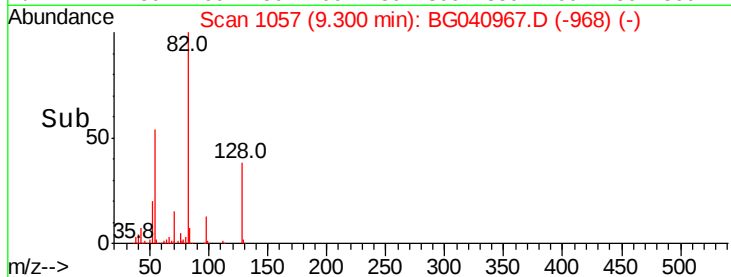
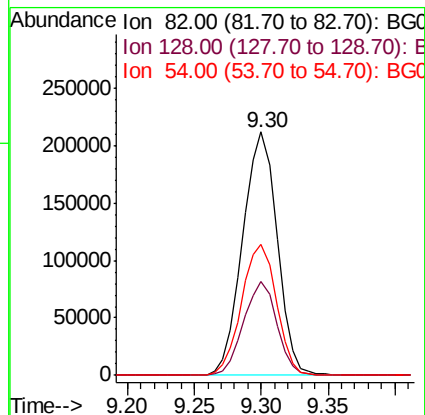
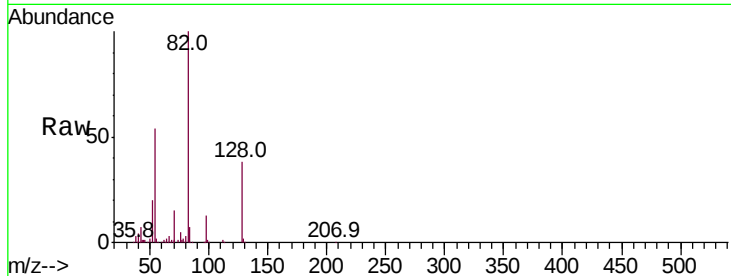




#23
 Nitrobenzene-d5
 Concen: 70.879 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG040967.D
 Acq: 31 May 2019 1:53

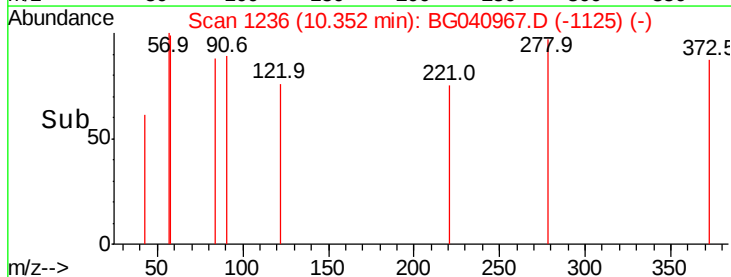
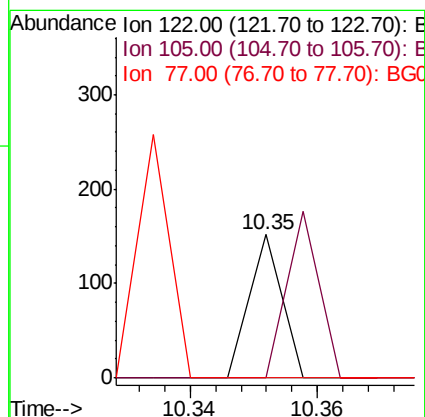
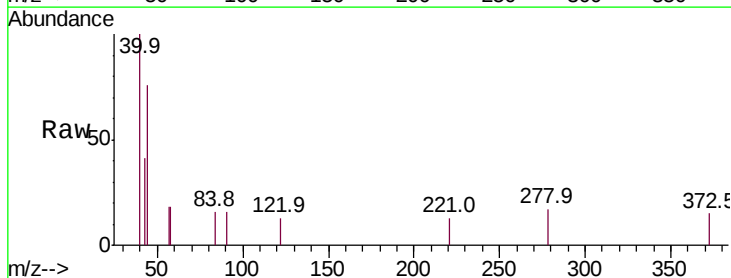
Instrument :
 BNA_G
 ClientSampled :

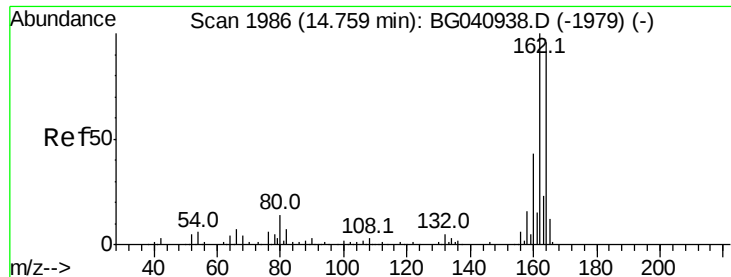
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.5	45.7
54	53.9	44.6	66.8



#32
 Benzoic acid
 Concen: 8.146 ng
 RT: 10.35 min Scan# 1236
 Delta R.T. 0.12 min
 Lab File: BG040967.D
 Acq: 31 May 2019 1:53

Tgt 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: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampleId :

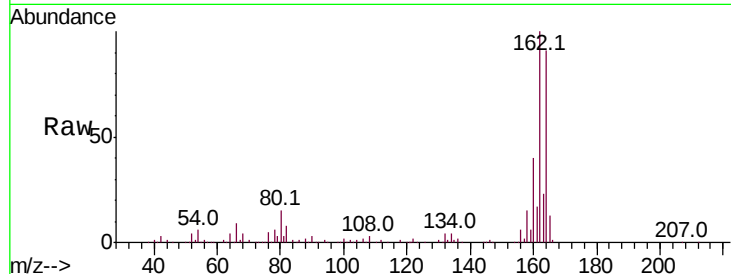
Tot Ion:164 Resp: 173799

Ion Ratio Lower Upper

164 100

162 109.6 83.0 124.4

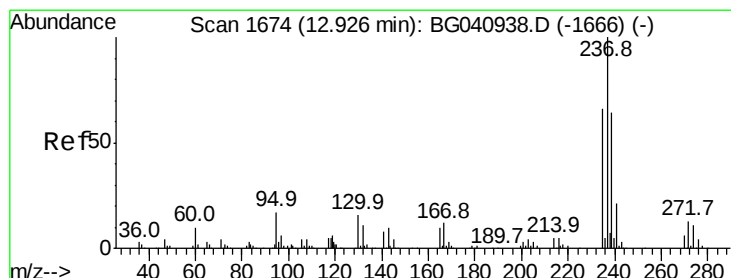
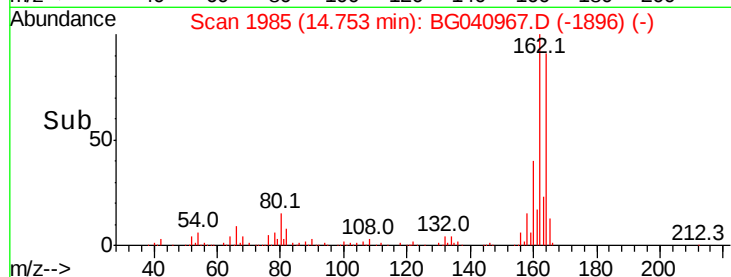
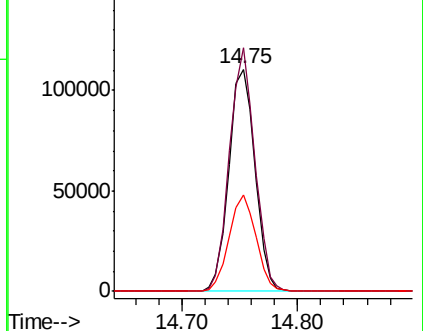
160 43.6 35.6 53.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.250 ng

RT: 12.77 min Scan# 1647

Delta R.T. -0.16 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

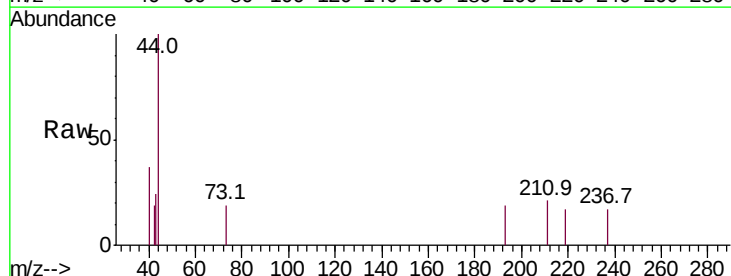
Tgt Ion:237 Resp: 62

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

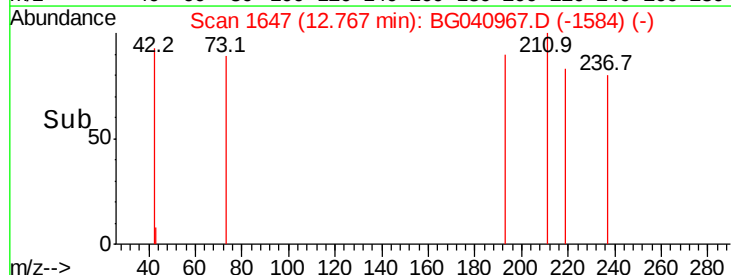
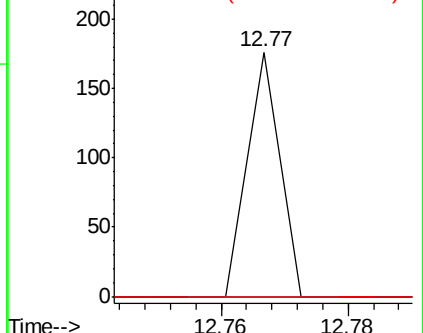
272 0.0 0.0 32.9

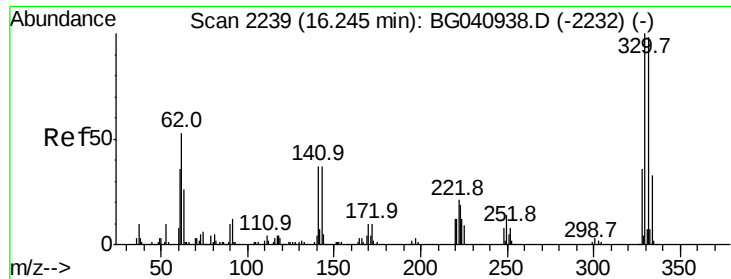


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

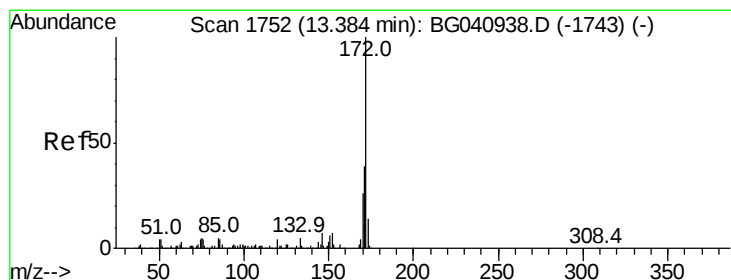
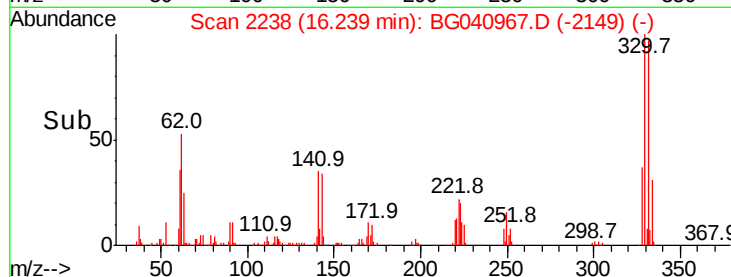
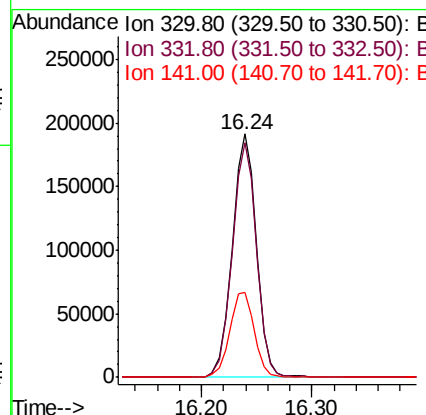
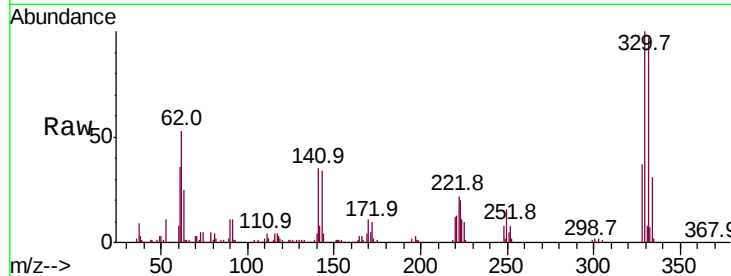




#42
 2,4,6-Tribromophenol
 Concen: 113.655 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040967.D
 Acq: 31 May 2019 1:53

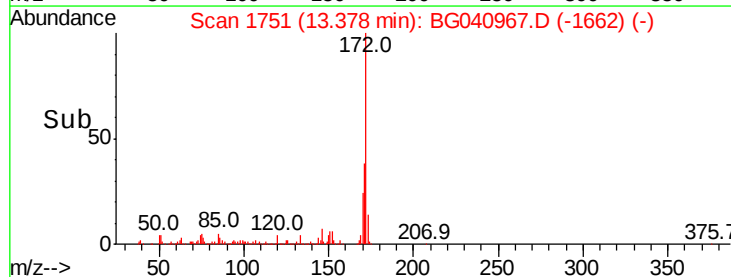
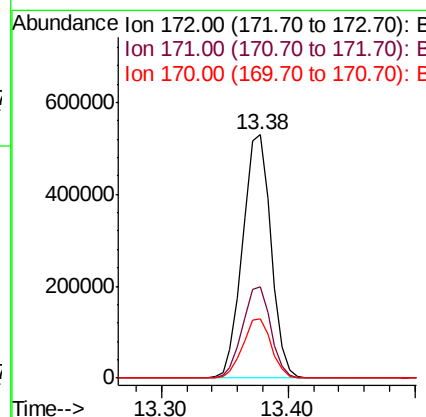
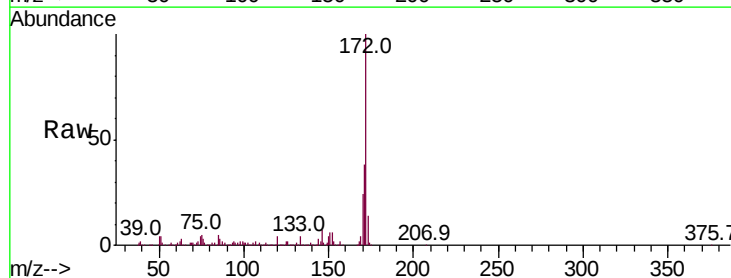
Instrument :
 BNA_G
 ClientSampled :

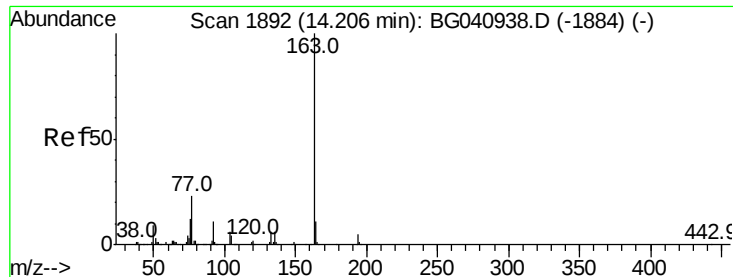
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	35.4	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 68.080 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040967.D
 Acq: 31 May 2019 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.1	46.7
170	24.5	20.5	30.7





#50

Dimethylphthalate

Concen: 4.495 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampleId :

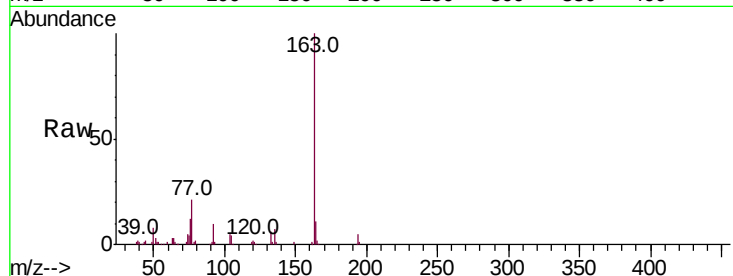
Tot Ion:163 Resp: 66128

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

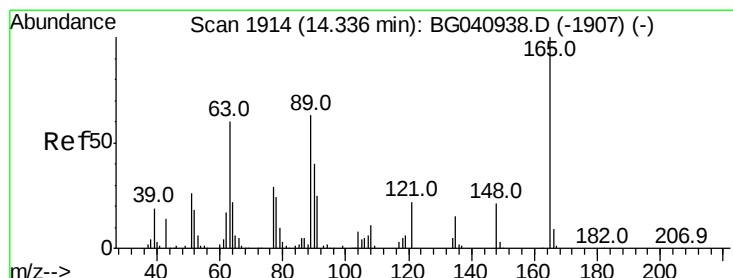
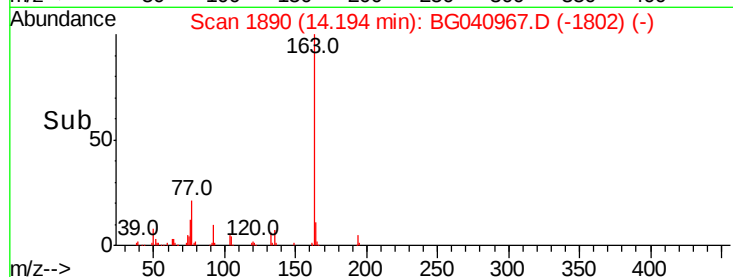
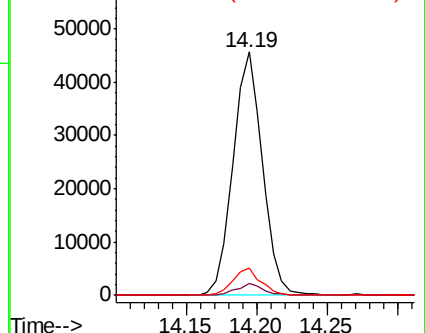
164 11.2 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 7.237 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.42 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

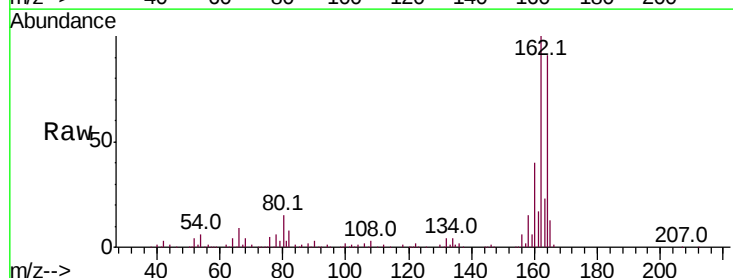
Tgt Ion:165 Resp: 22955

Ion Ratio Lower Upper

165 100

63 2.2 53.6 80.4#

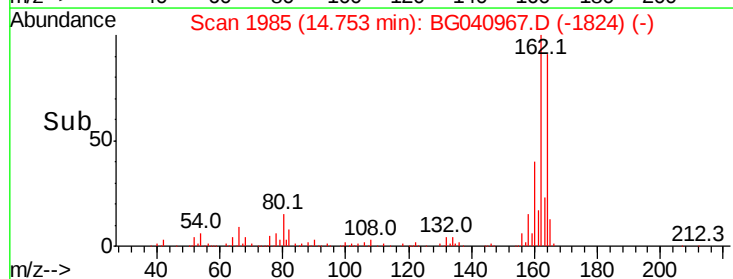
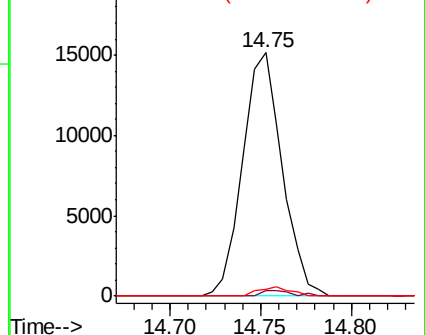
89 3.0 50.4 75.6#

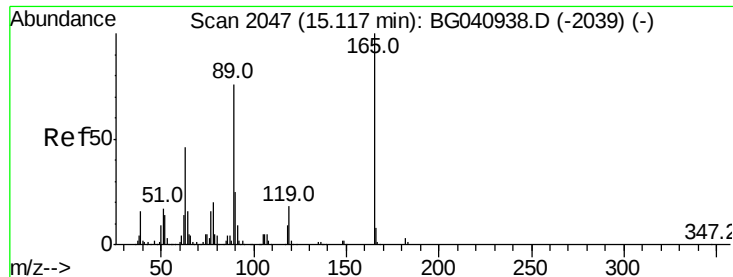


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

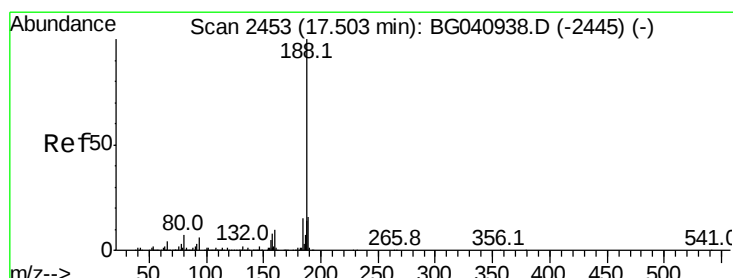
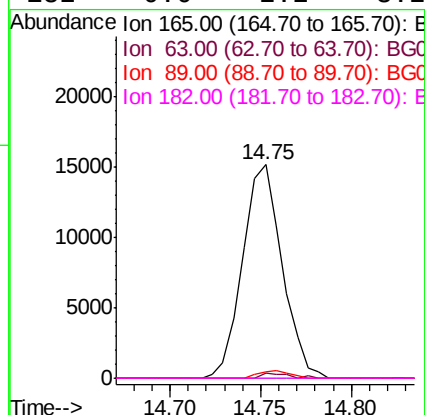
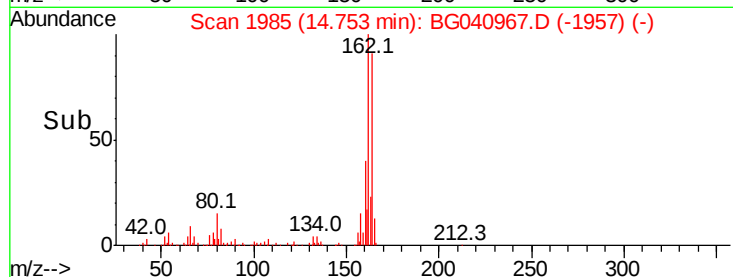
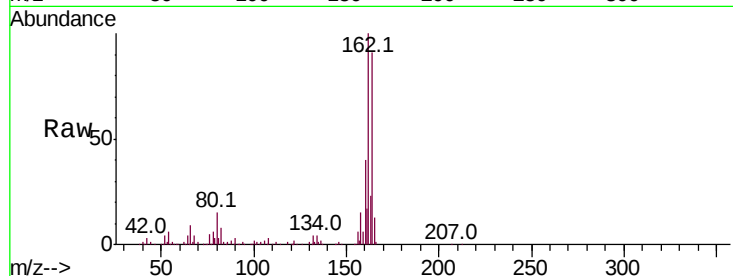




#57
2,4-Dinitrotoluene
Concen: 5.123 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.36 min
Lab File: BG040967.D
Acq: 31 May 2019 1:53

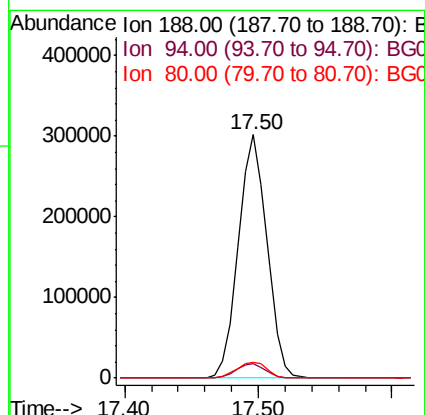
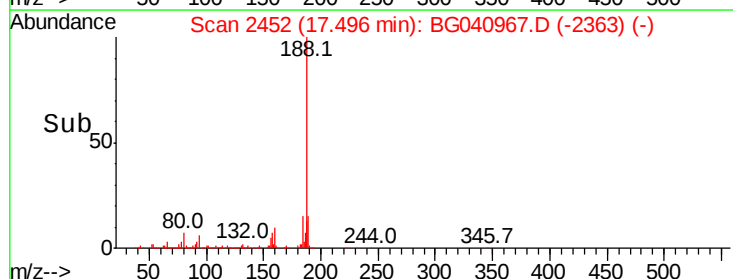
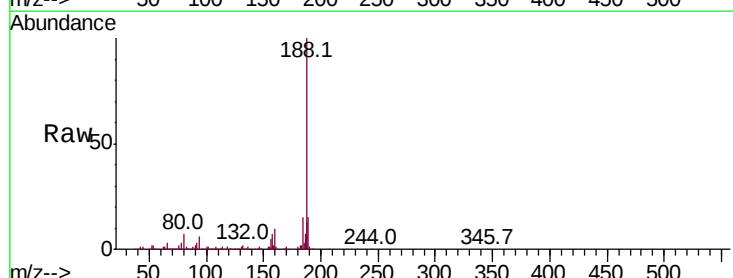
Instrument :
BNA_G
ClientSampleId :

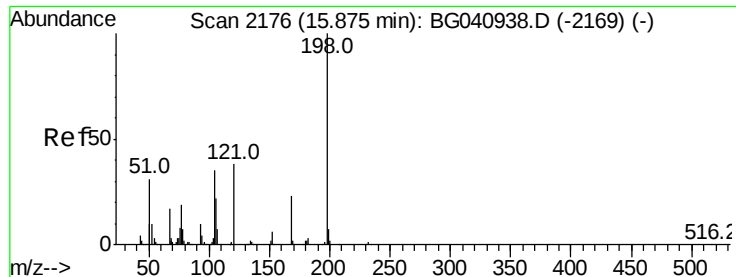
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	37.3	55.9#
89	3.0	61.0	91.6#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040967.D
Acq: 31 May 2019 1:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.7	7.1
80	6.7	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.609 ng

RT: 16.02 min Scan# 2200

Delta R.T. 0.14 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampled :

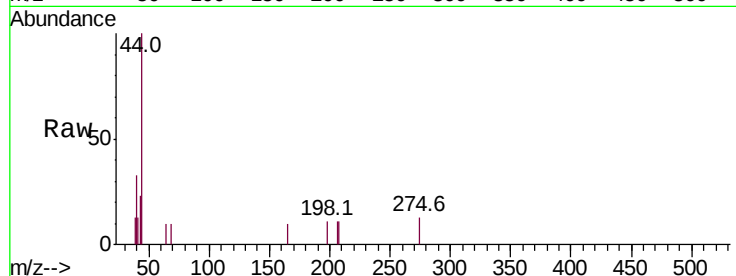
Tot Ion:198 Resp: 58

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

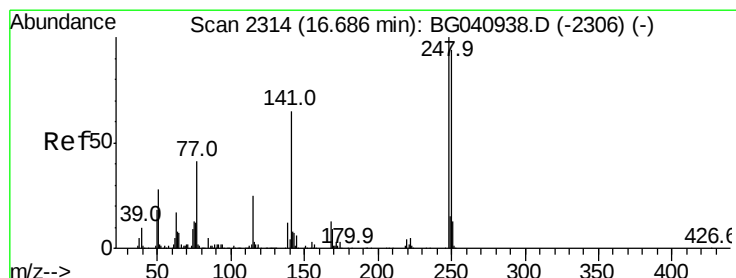
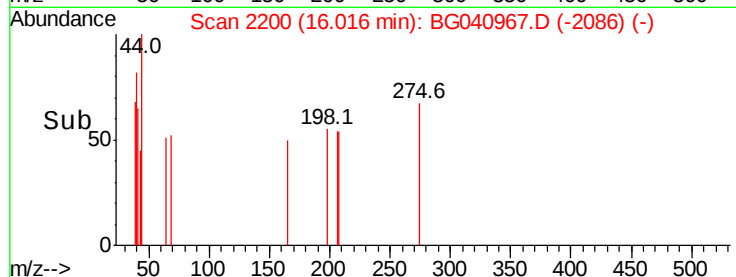
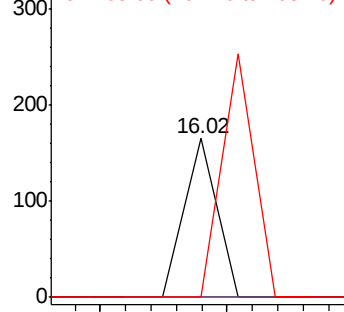
105 0.0 17.5 57.5#



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: 3.668 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

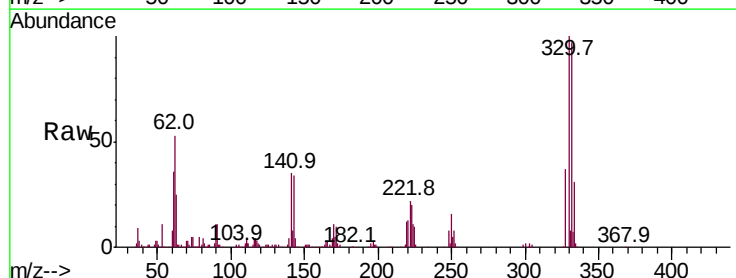
Tgt Ion:248 Resp: 22146

Ion Ratio Lower Upper

248 100

250 197.7 75.0 112.4#

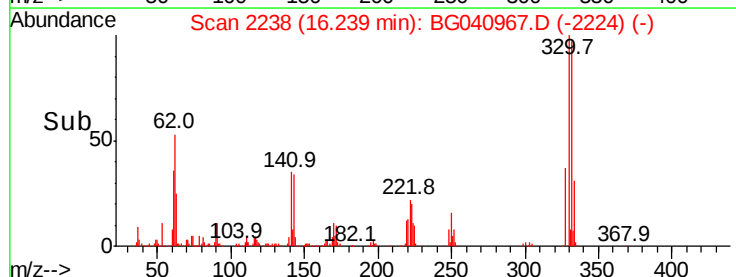
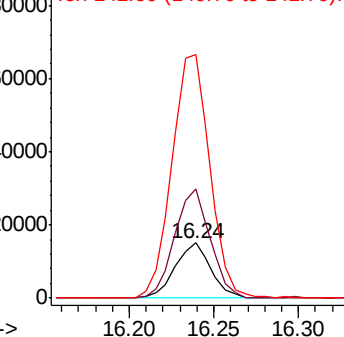
141 439.8 52.4 78.6#

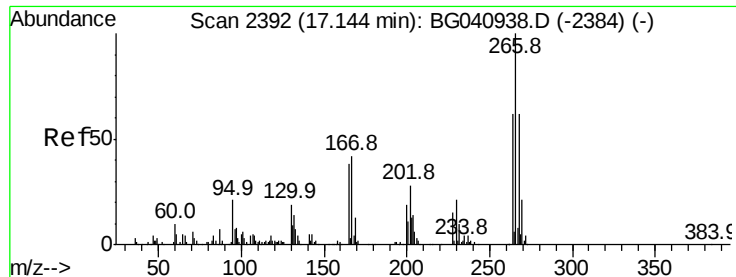


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.273 ng

RT: 17.14 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampled :

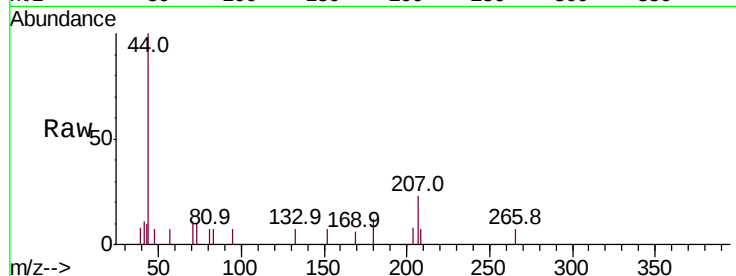
Tot Ion:266 Resp: 62

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

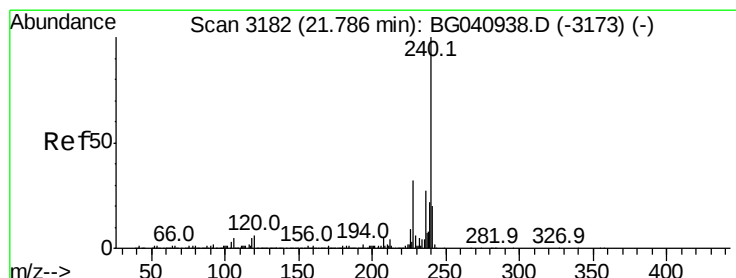
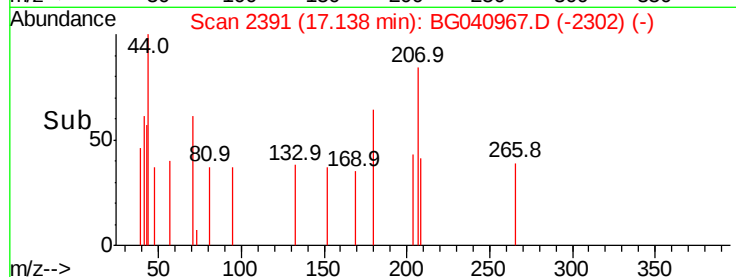
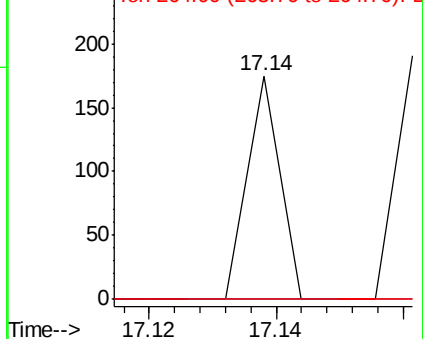
264 0.0 49.9 74.9#



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: BG040967.D

Acq: 31 May 2019 1:53

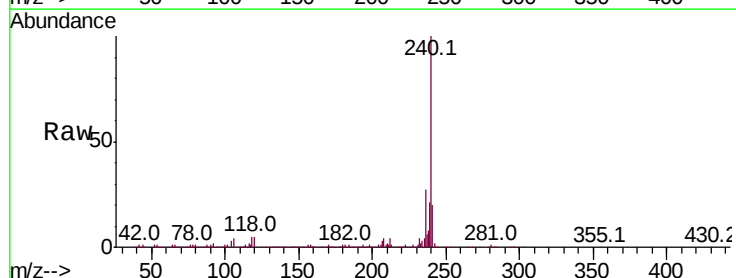
Tgt Ion:240 Resp: 455368

Ion Ratio Lower Upper

240 100

120 5.3 4.5 6.7

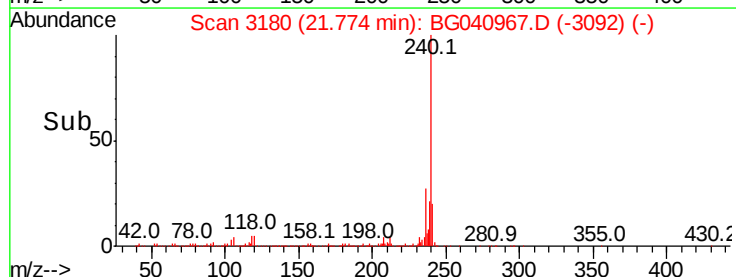
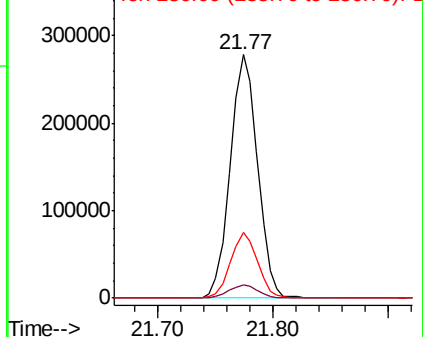
236 26.9 21.3 31.9

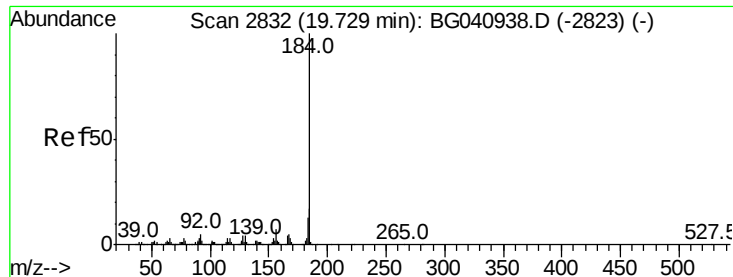


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.258 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

Instrument :

BNA_G

ClientSampleId :

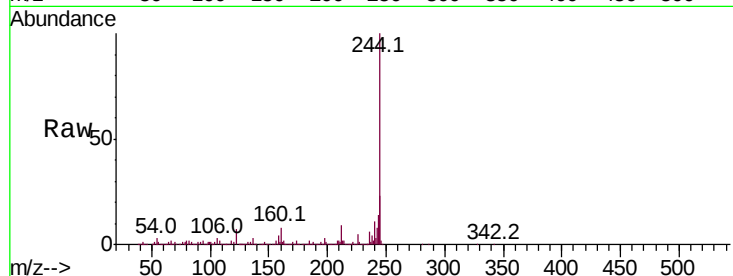
Tot Ion:184 Resp: 24531

Ion Ratio Lower Upper

184 100

185 17.5 13.3 19.9

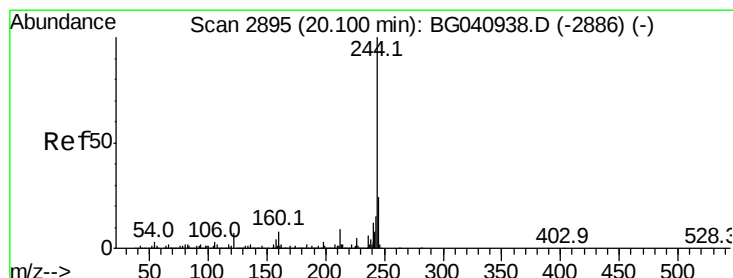
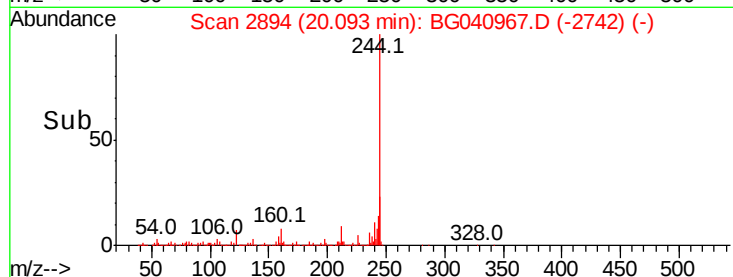
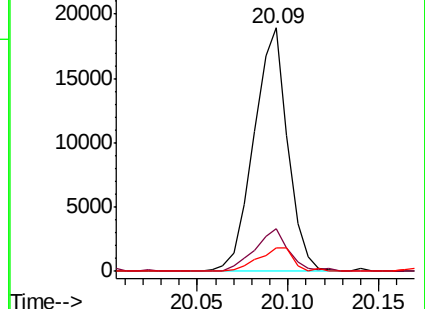
183 9.4 10.7 16.1#



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: 64.072 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040967.D

Acq: 31 May 2019 1:53

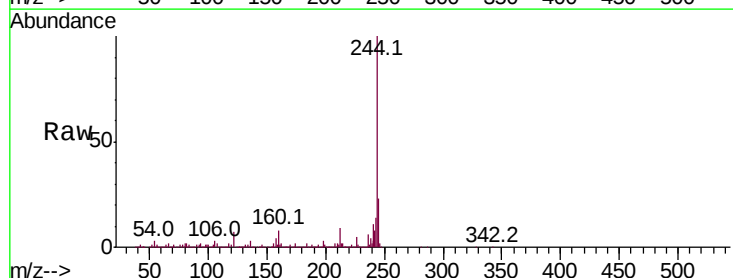
Tgt Ion:244 Resp: 1374715

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.4

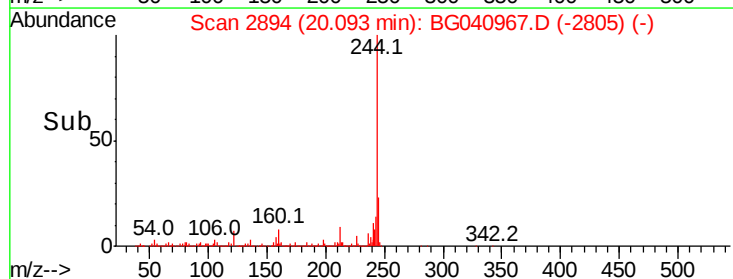
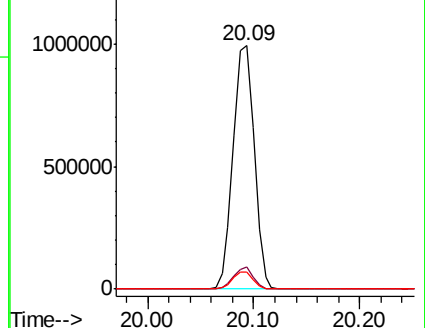
122 6.9 5.4 8.0

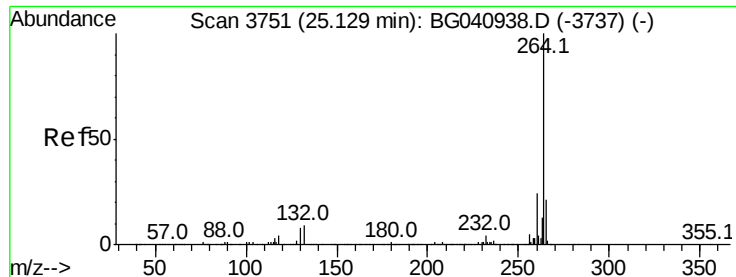


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040967.D
Acq: 31 May 2019 1:53

Instrument :
BNA_G
ClientSampleId :

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

