

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040968.D
 Acq On : 31 May 2019 2:31
 Operator : HP/JU
 Sample : K3041-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:05:43 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

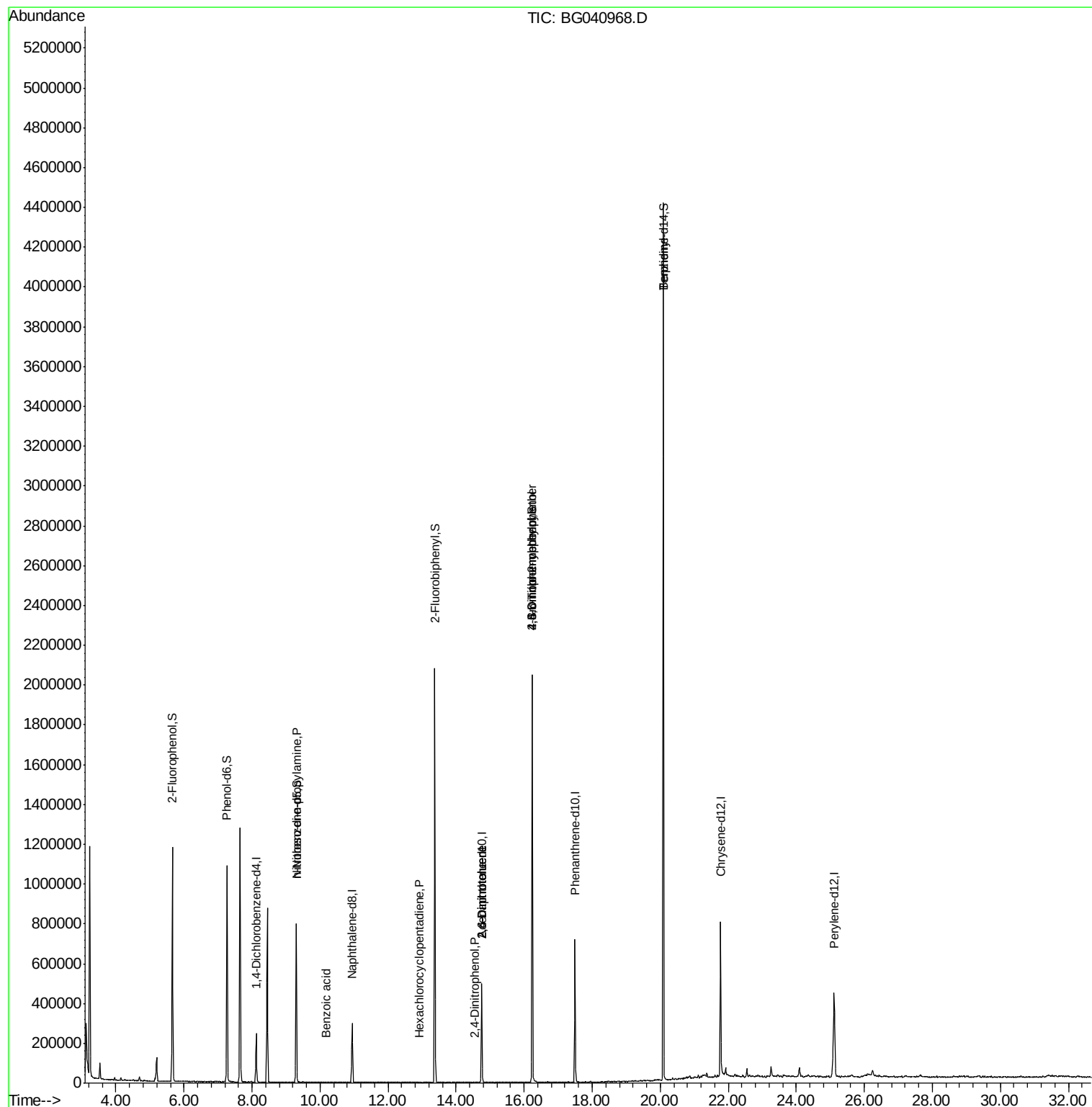
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	64767	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	241436	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	168908	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	456197	20.00	ng	0.00
76) Chrysene-d12	21.78	240	469806	20.00	ng	0.00
87) Perylene-d12	25.11	264	488852	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	446116	124.21	ng	0.00
7) Phenol-d6	7.26	99	567384	102.28	ng	0.00
23) Nitrobenzene-d5	9.30	82	484617	89.11	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	366168	146.03	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1007167	85.87	ng	0.00
79) Terphenyl-d14	20.09	244	2000736	90.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	68378	16.018	ng	# 79
32) Benzoic acid	10.17	122	54	8.145	ng	# 1
41) Hexachlorocyclopentadiene	12.91	237	64	8.251	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	22105	7.170	ng	# 20
54) 2,4-Dinitrophenol	14.55	184	54	8.293	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22105	5.076	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	1121	8.966	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	27236	4.424	ng	# 1
77) Benzidine	20.09	184	36957	3.298	ng	# 94

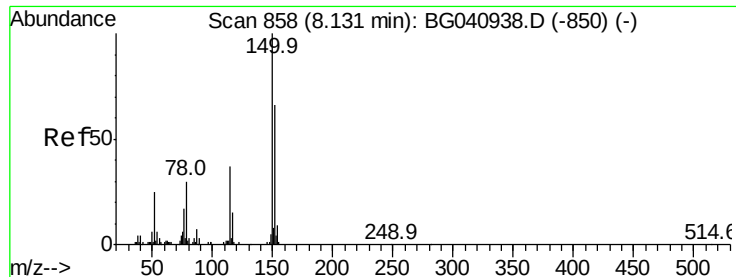
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG040968.D

Acq: 31 May 2019 2:31

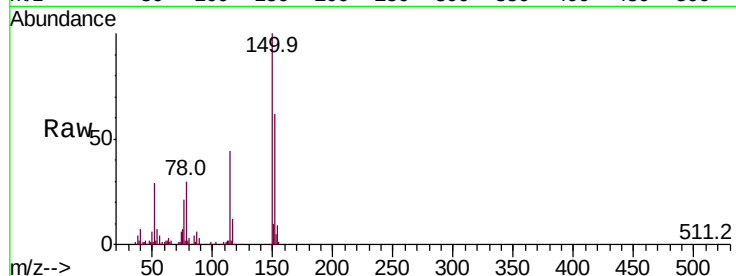
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 64767

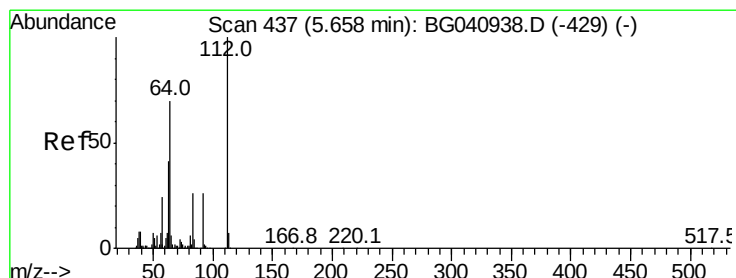
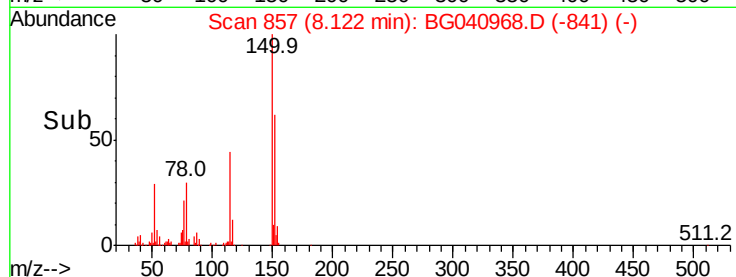
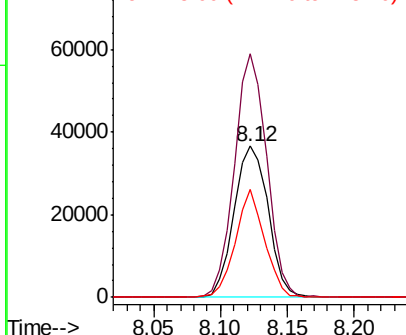
Ion	Ratio	Lower	Upper
152	100		
150	161.1	120.6	180.8
115	71.2	45.1	67.7



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: 124.205 ng

RT: 5.66 min Scan# 438

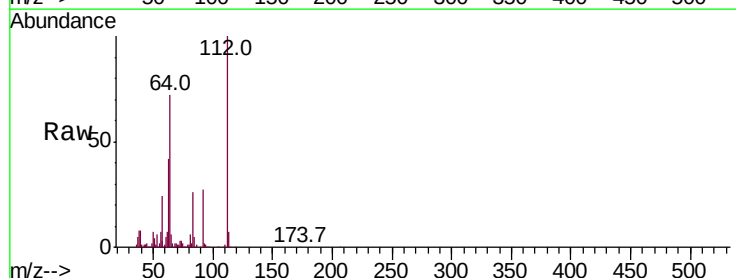
Delta R.T. 0.00 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Tgt Ion:112 Resp: 446116

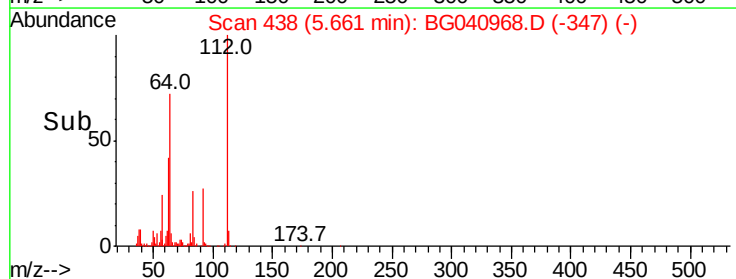
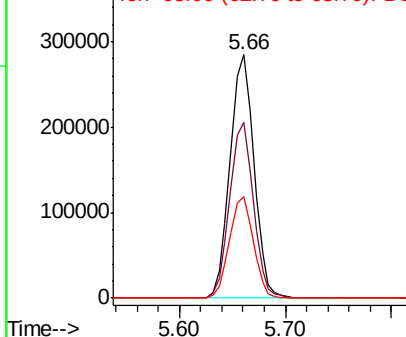
Ion	Ratio	Lower	Upper
112	100		
64	72.1	56.2	84.2
63	41.7	32.8	49.2

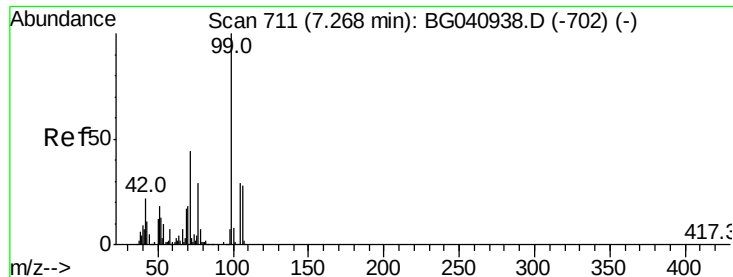


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.285 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Instrument :

BNA_G

ClientSampleId :

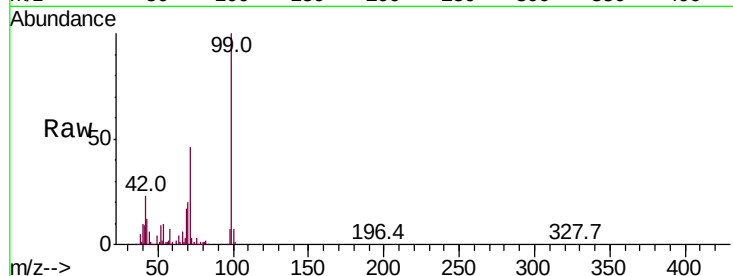
Tot Ion: 99 Resp: 567384

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

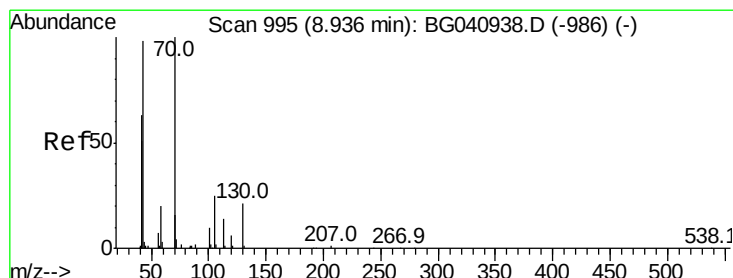
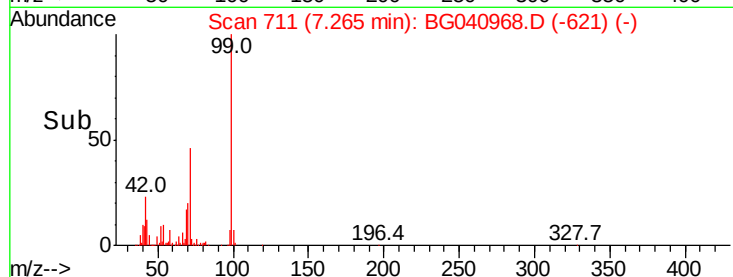
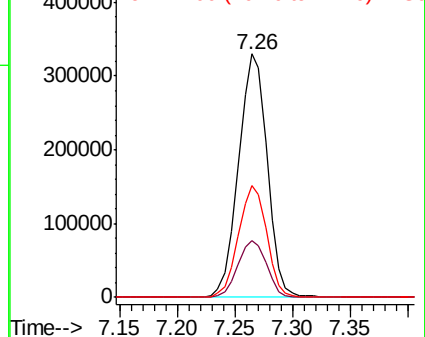
71 46.2 35.4 53.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.018 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Tgt Ion: 70 Resp: 68378

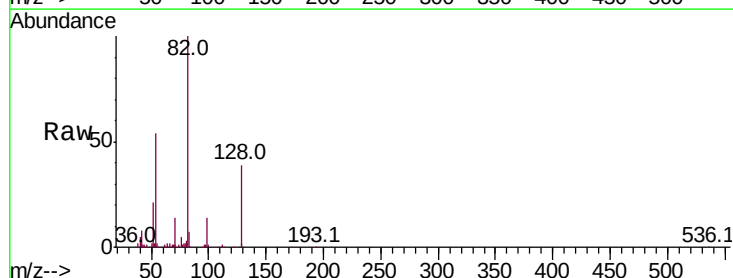
Ion Ratio Lower Upper

70 100

42 53.2 51.5 77.3

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#

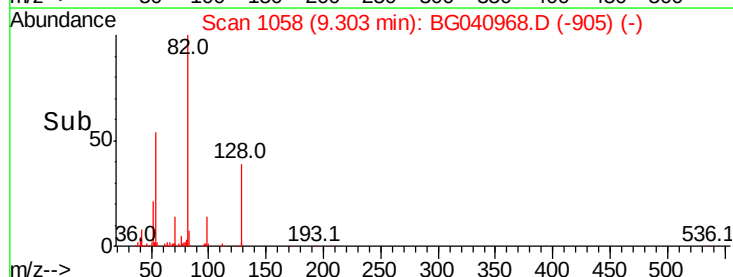
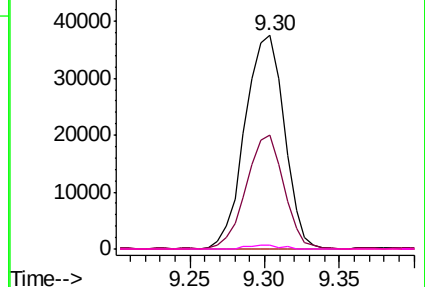


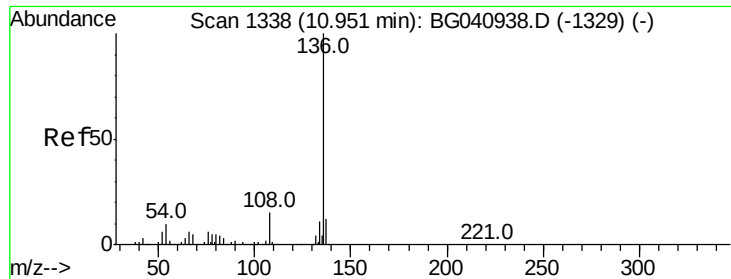
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

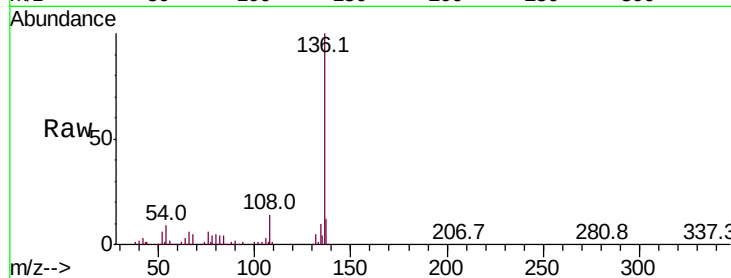




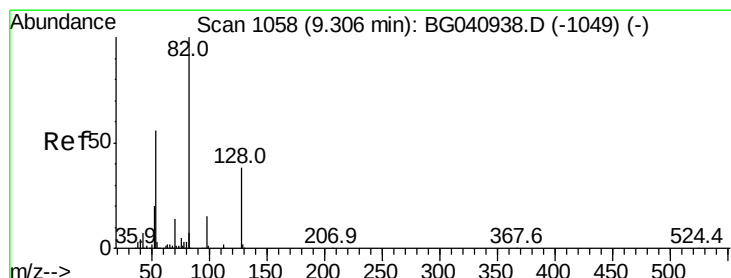
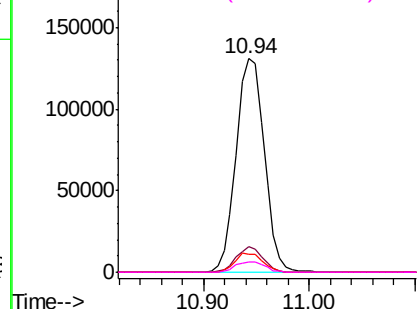
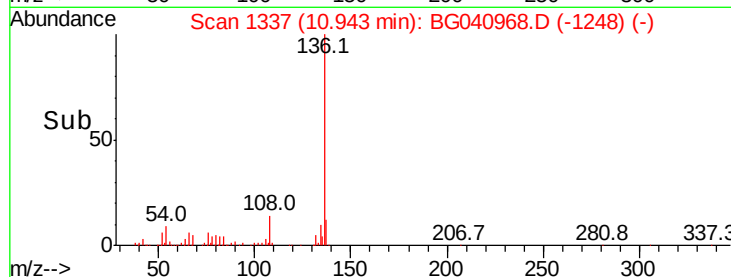
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	241436
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	8.7	7.6	11.4
68	4.9	3.9	5.9

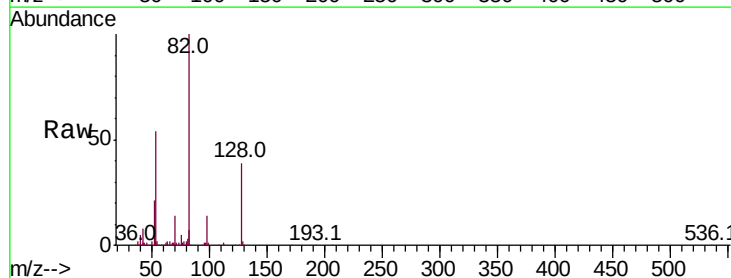


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

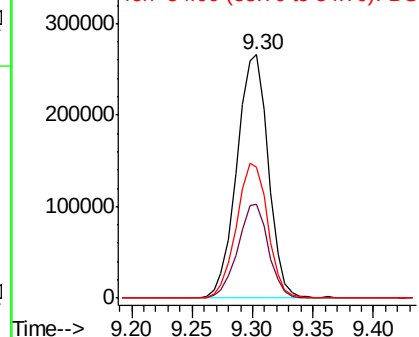
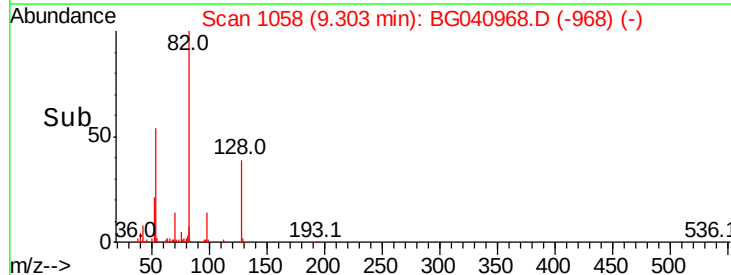


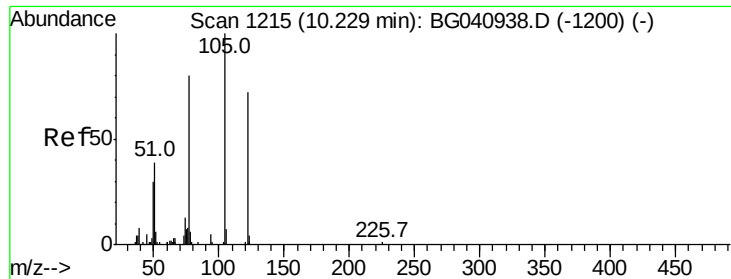
#23
Nitrobenzene-d5
Concen: 89.108 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:	82	Resp:	484617
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.5	45.7
54	54.0	44.6	66.8



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

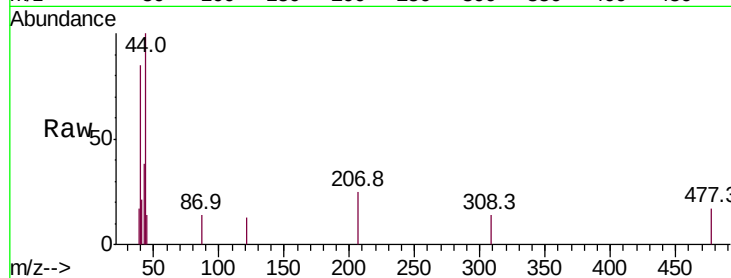




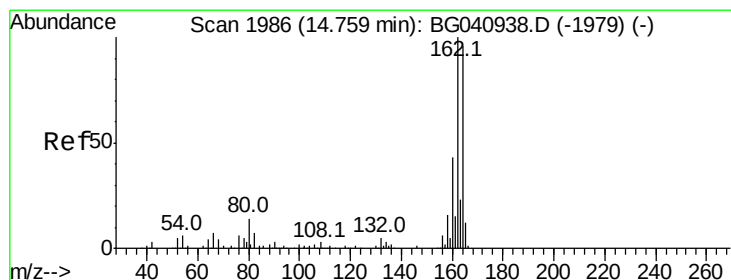
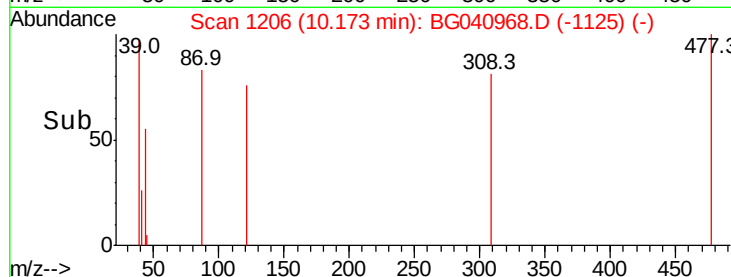
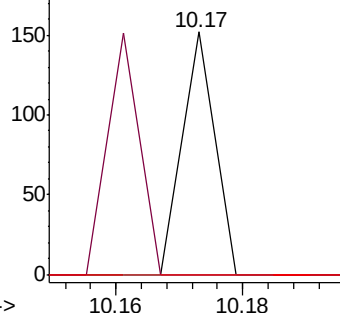
#32
Benzoic acid
Concen: 8.145 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.06 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

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

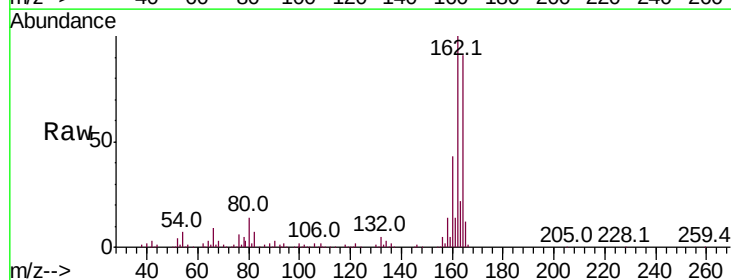


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

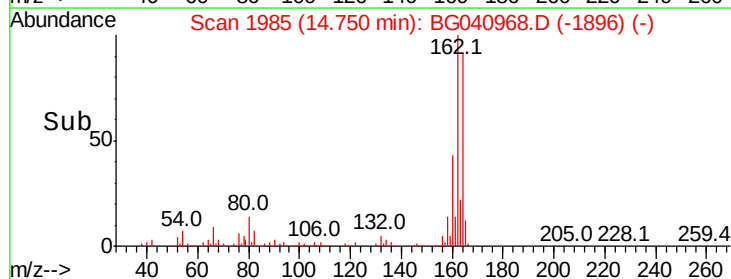
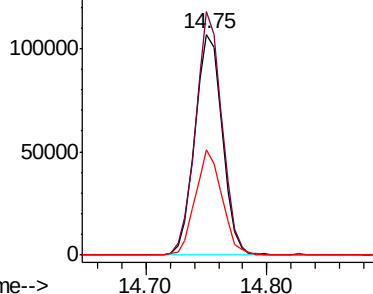


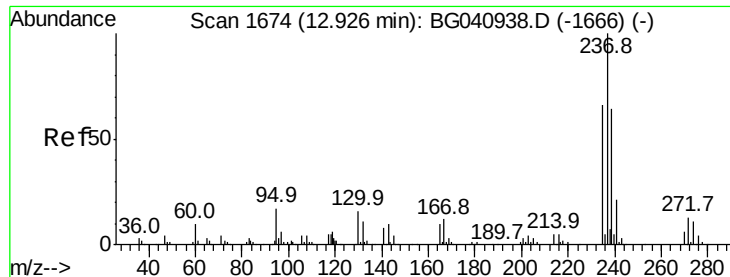
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.1	83.0	124.4
160	47.4	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: 8.251 ng

RT: 12.91 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BG040968.D

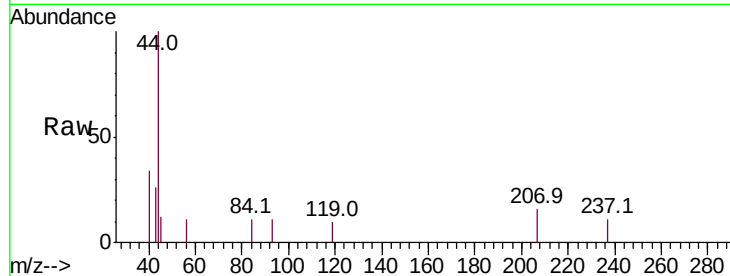
Acq: 31 May 2019 2:31

Instrument :

BNA_G

ClientSampled :

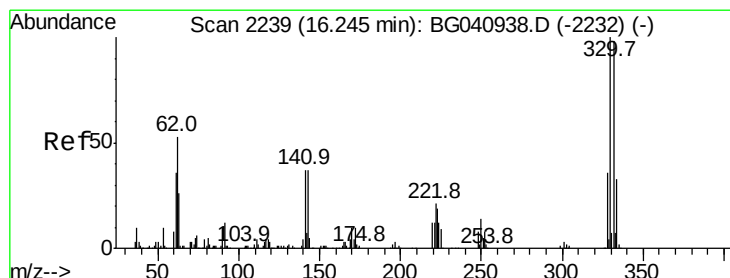
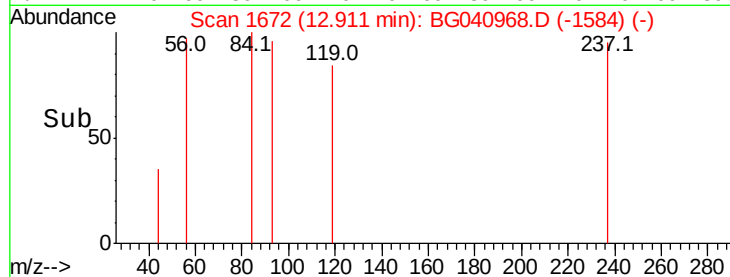
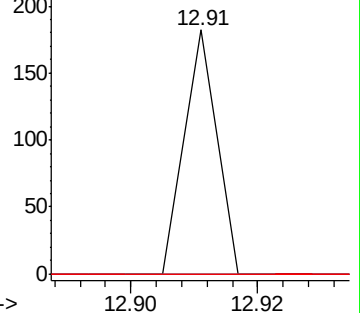
Tot Ion:	237	Resp:	64
Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



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: 146.026 ng

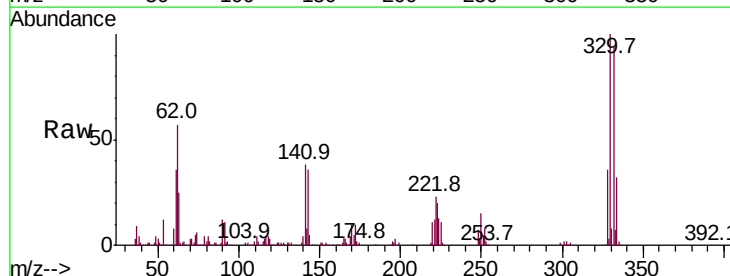
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

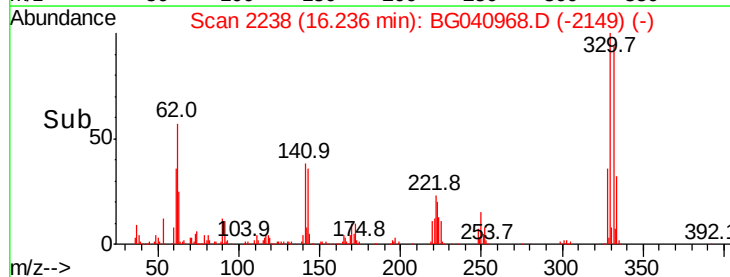
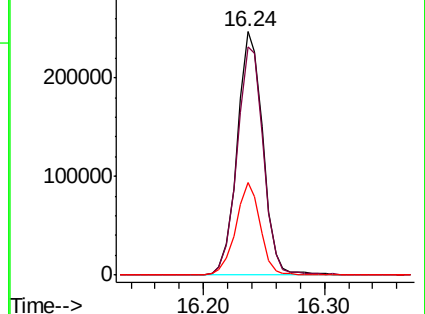
Tgt Ion:	330	Resp:	366168
Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.5	117.7
141	36.3	28.7	43.1

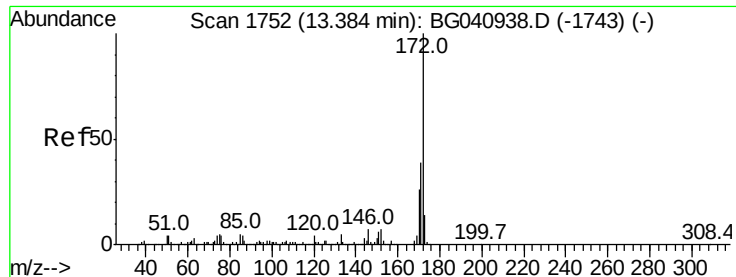


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

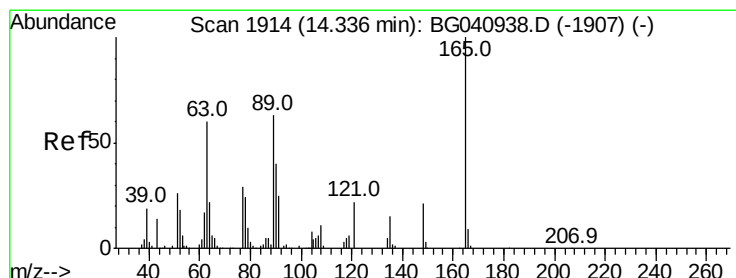
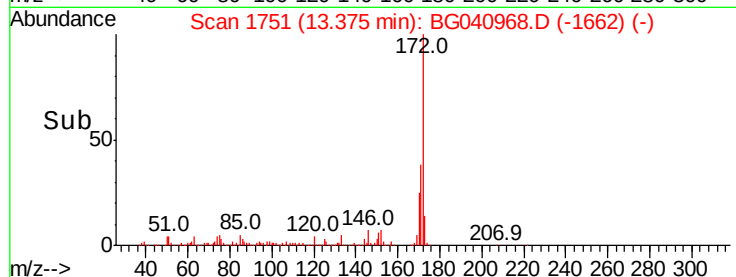
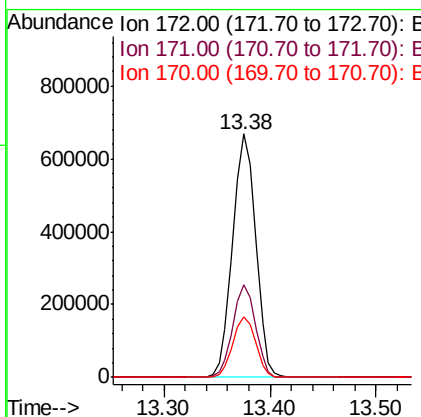
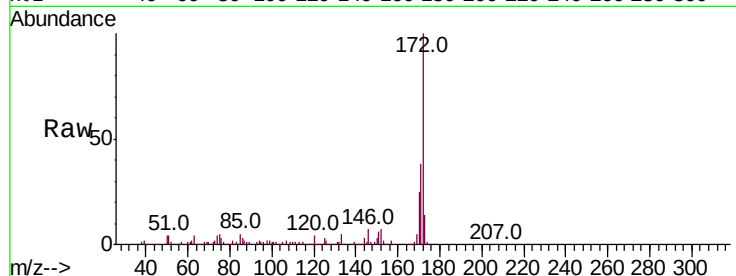




#45
2-Fluorobiphenyl
Concen: 85.871 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

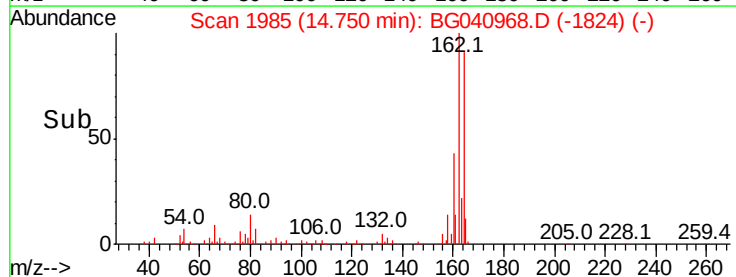
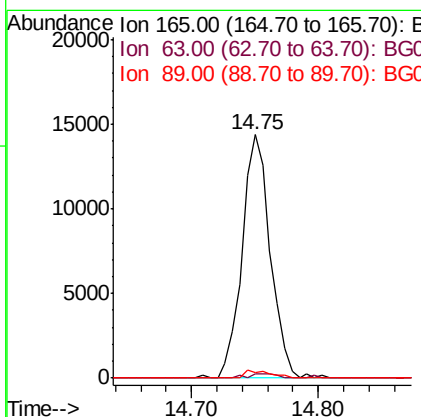
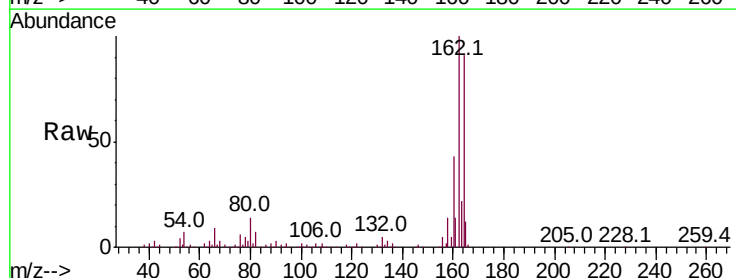
Instrument :
BNA_G
ClientSampleId :

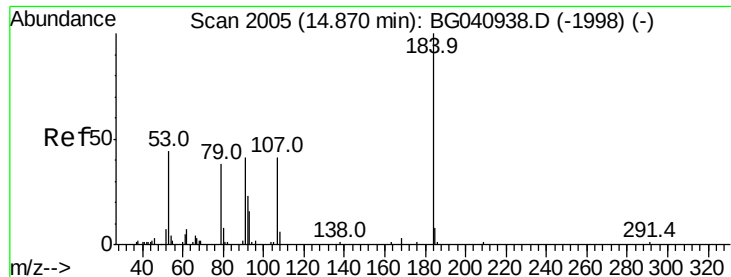
Tot Ion:172 Resp: 1007167
Ion Ratio Lower Upper
172 100
171 38.2 31.1 46.7
170 25.1 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.170 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.41 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:165 Resp: 22105
Ion Ratio Lower Upper
165 100
63 1.8 53.6 80.4#
89 2.1 50.4 75.6#





#54

2,4-Dinitrophenol

Concen: 8.293 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.32 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Instrument :

BNA_G

ClientSampleId :

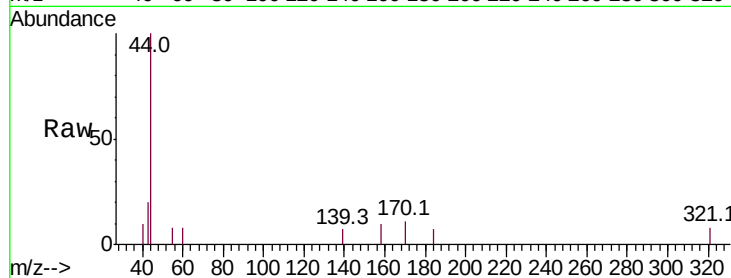
Tot Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

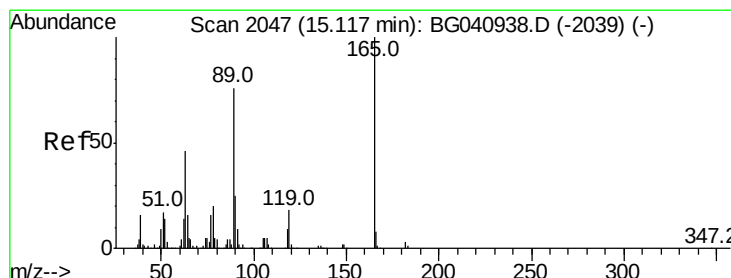
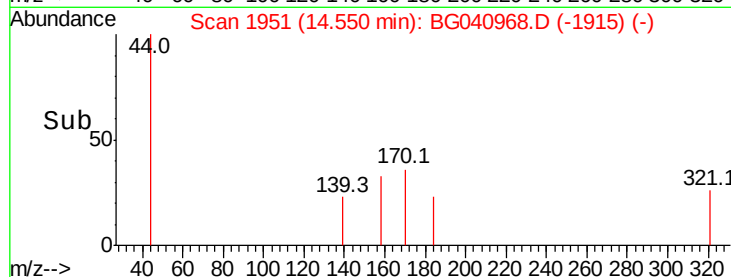
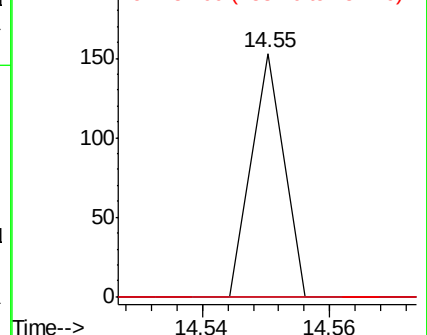
154 0.0 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.076 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.37 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Tgt Ion:165 Resp: 22105

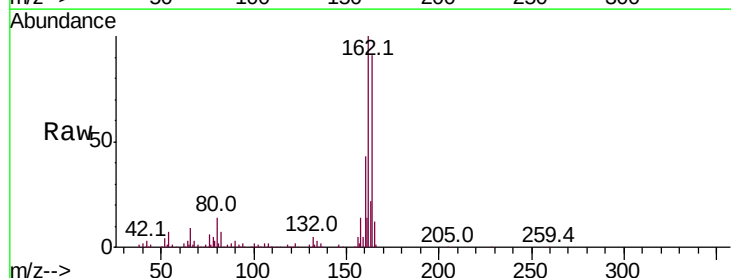
Ion Ratio Lower Upper

165 100

63 1.8 37.3 55.9#

89 2.1 61.0 91.6#

182 0.0 2.2 3.2#

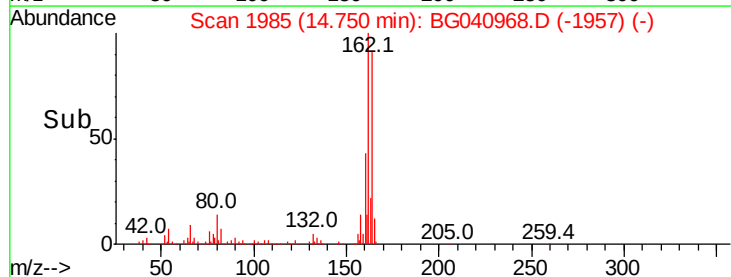
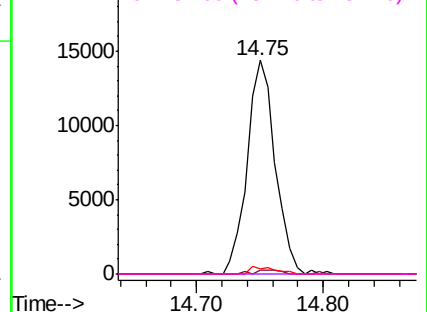


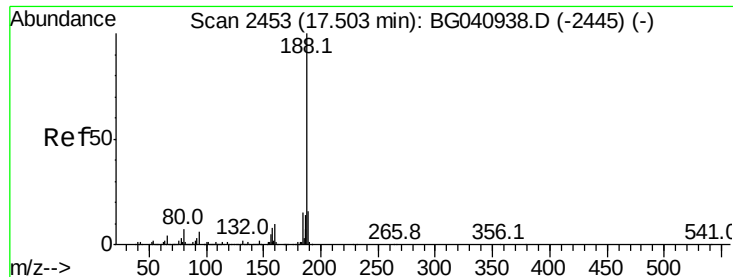
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Instrument :

BNA_G

ClientSampleId :

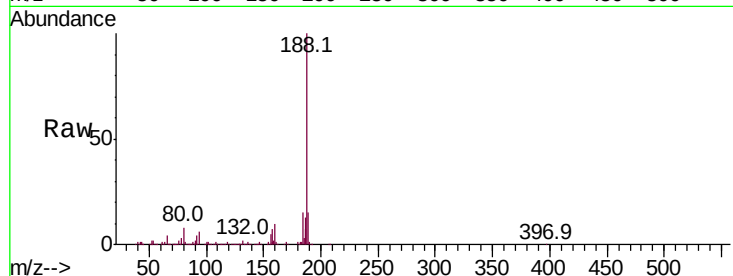
Tot Ion:188 Resp: 456197

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

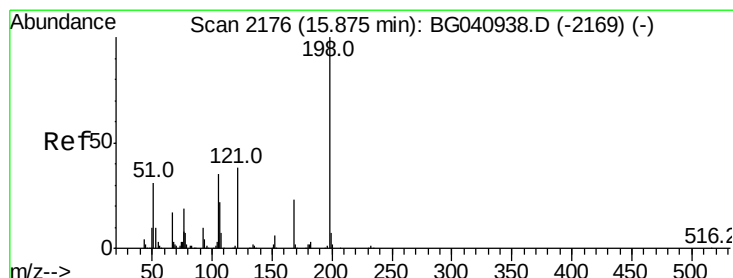
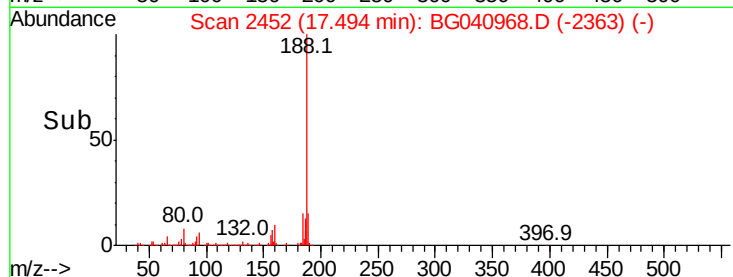
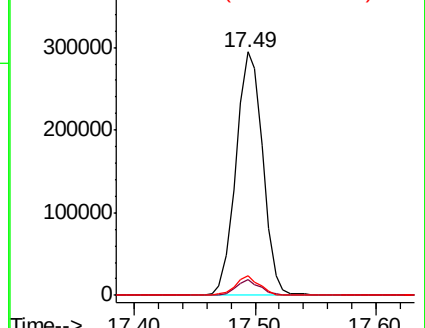
80 7.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.966 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

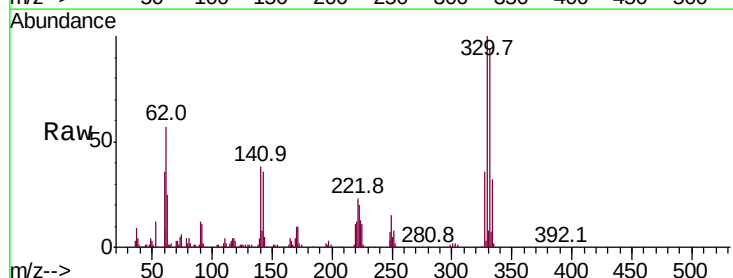
Tgt Ion:198 Resp: 1121

Ion Ratio Lower Upper

198 100

51 180.9 21.6 61.6#

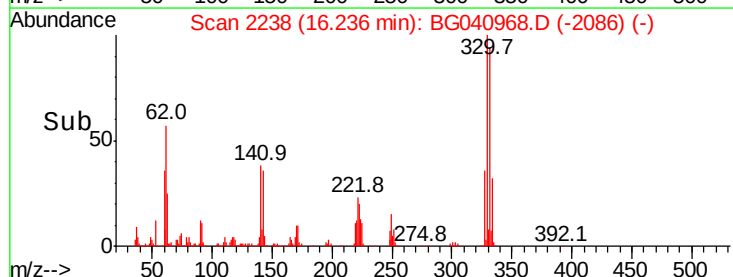
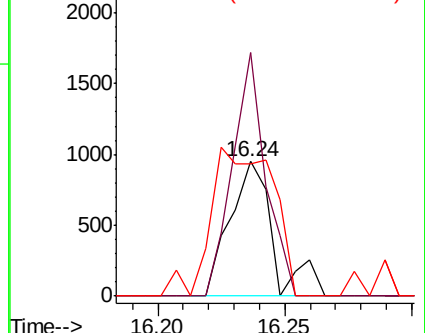
105 98.6 17.5 57.5#

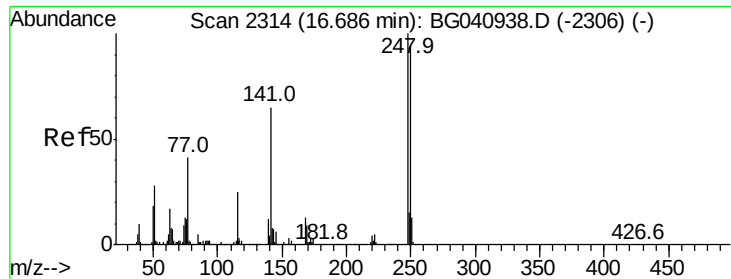


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

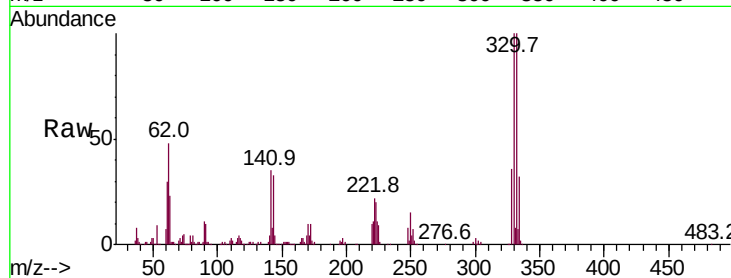




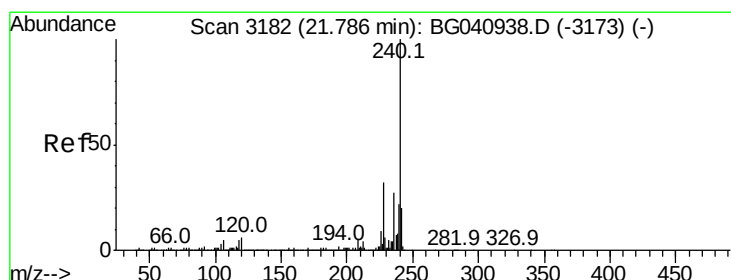
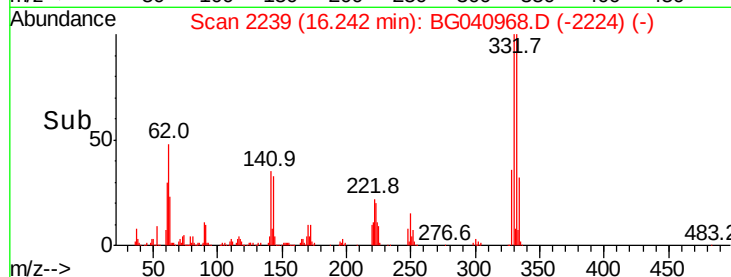
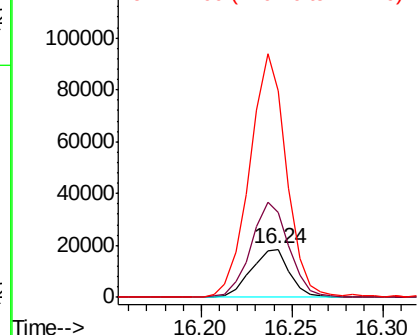
#67
 4-Bromophenyl-phenylether
 Concen: 4.424 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. -0.44 min
 Lab File: BG040968.D
 Acq: 31 May 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 27236
 Ion Ratio Lower Upper
 248 100
 250 176.9 75.0 112.4#
 141 426.9 52.4 78.6#

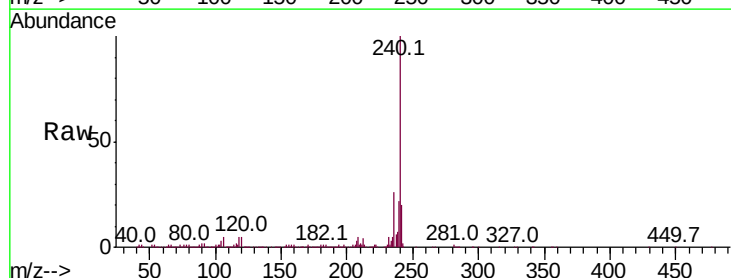


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

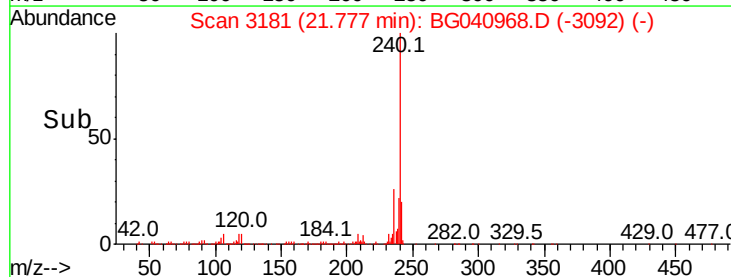
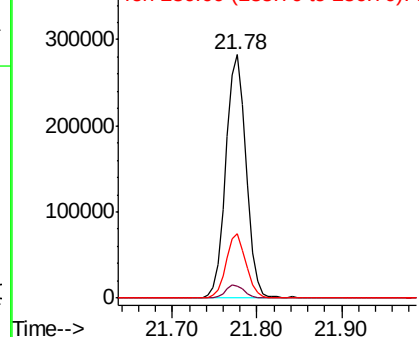


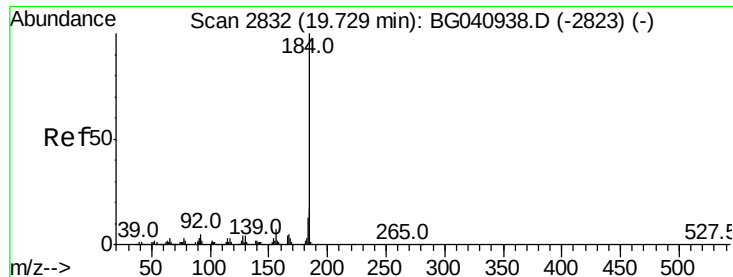
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3181
 Delta R.T. -0.01 min
 Lab File: BG040968.D
 Acq: 31 May 2019 2:31

Tgt Ion:240 Resp: 469806
 Ion Ratio Lower Upper
 240 100
 120 4.9 4.5 6.7
 236 26.4 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: 3.298 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

Instrument :

BNA_G

ClientSampleId :

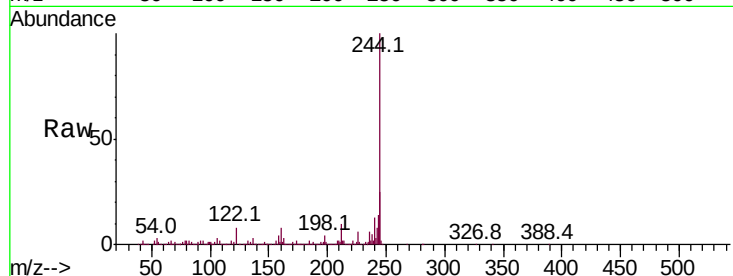
Tot Ion:184 Resp: 36957

Ion Ratio Lower Upper

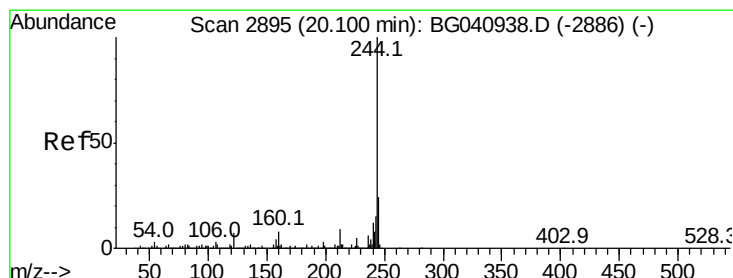
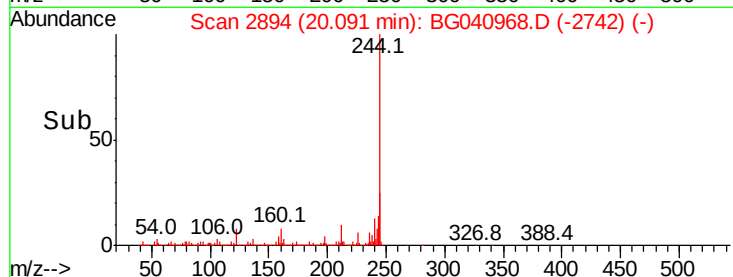
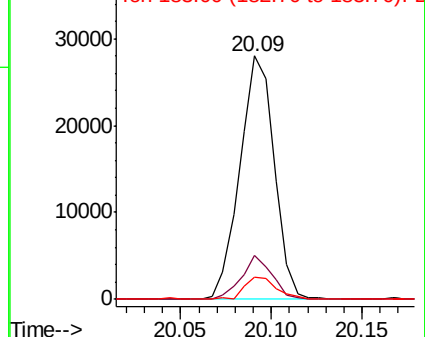
184 100

185 17.9 13.3 19.9

183 9.2 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: 90.383 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040968.D

Acq: 31 May 2019 2:31

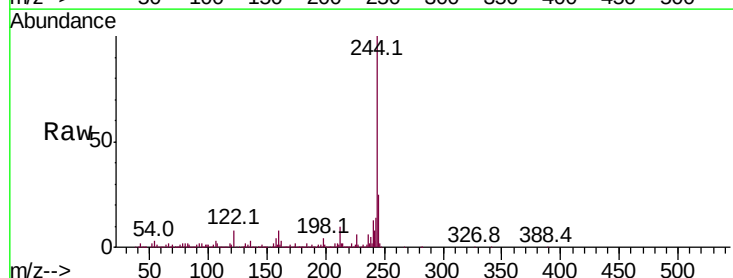
Tgt Ion:244 Resp: 2000736

Ion Ratio Lower Upper

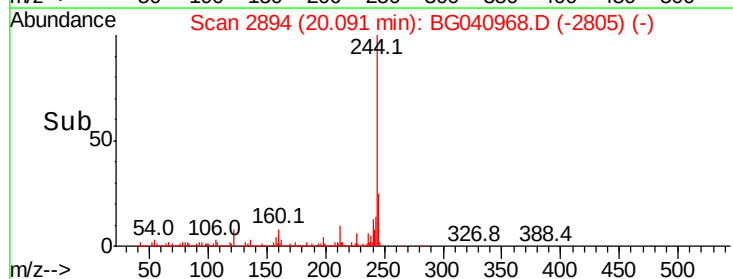
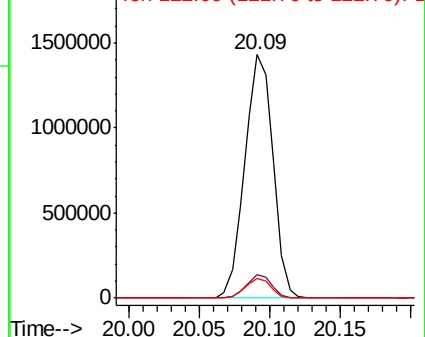
244 100

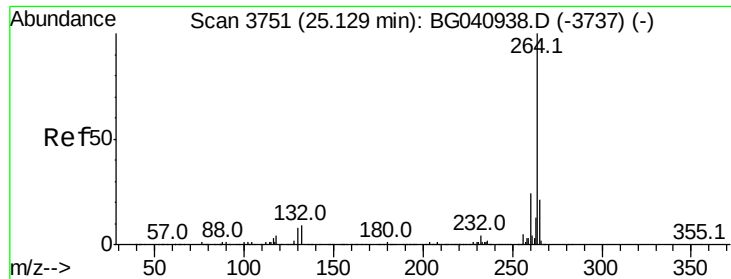
212 9.6 7.0 10.4

122 8.2 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# 3749
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.1	17.0	25.4

