

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040958.D
 Acq On : 30 May 2019 20:11
 Operator : HP/JU
 Sample : K3080-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:03:54 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

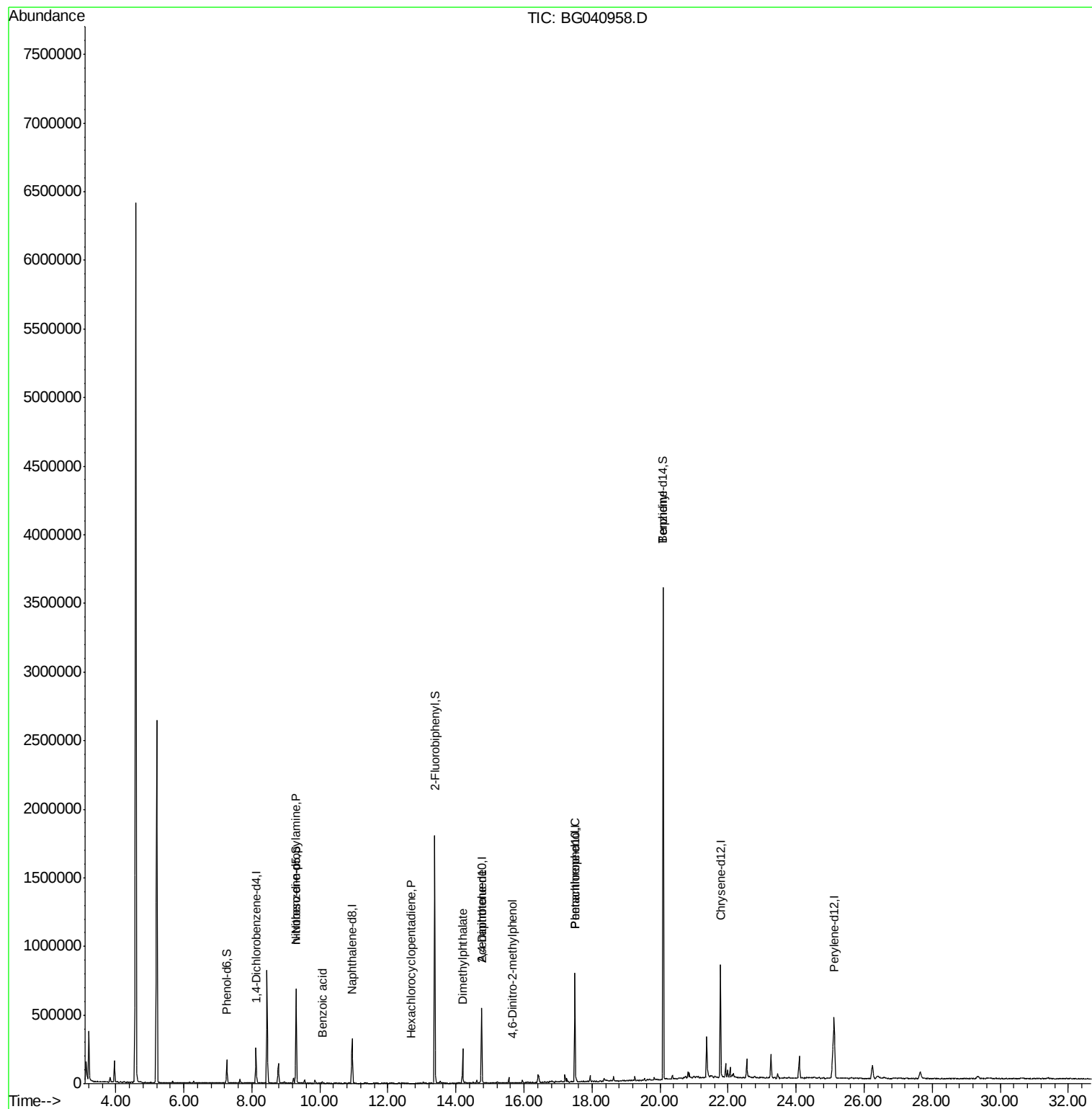
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	67169	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	258045	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	186903	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	484991	20.00	ng	0.00
76) Chrysene-d12	21.77	240	485590	20.00	ng	-0.01
87) Perylene-d12	25.11	264	511428	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	5958	1.60	ng	0.00
7) Phenol-d6	7.26	99	88260	15.34	ng	0.00
23) Nitrobenzene-d5	9.30	82	412473	70.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.24	330	457	0.16	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	953963	73.50	ng	0.00
79) Terphenyl-d14	20.09	244	1706486	74.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	58982	13.323	ng	# 72
32) Benzoic acid	10.08	122	81	8.152	ng	# 1
41) Hexachlorocyclopentadiene	12.69	237	79	8.253	ng	# 26
50) Dimethylphthalate	14.20	163	149083	9.423	ng	99
57) 2,4-Dinitrotoluene	14.75	165	25773	5.349	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.65	198	66	8.610	ng	# 36
70) Pentachlorophenol	17.49	266	69	4.273	ng	# 18
77) Benzidine	20.09	184	30995	2.676	ng	# 92

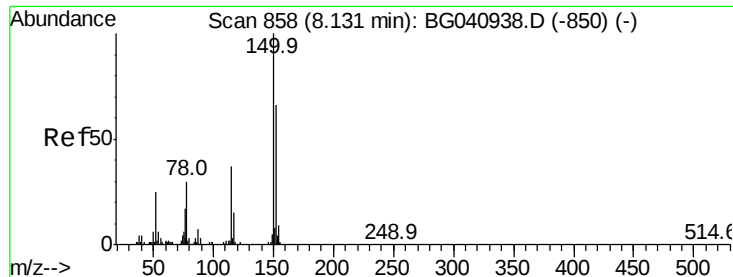
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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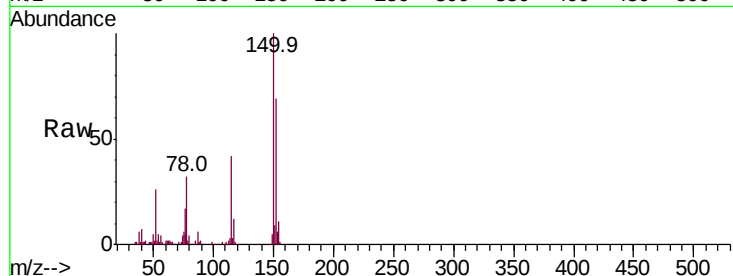


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.2	120.6	180.8
115	60.0	45.1	67.7

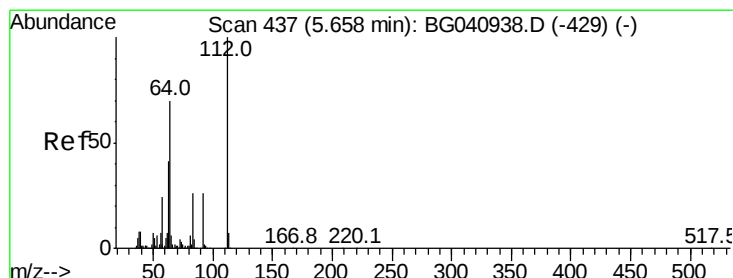
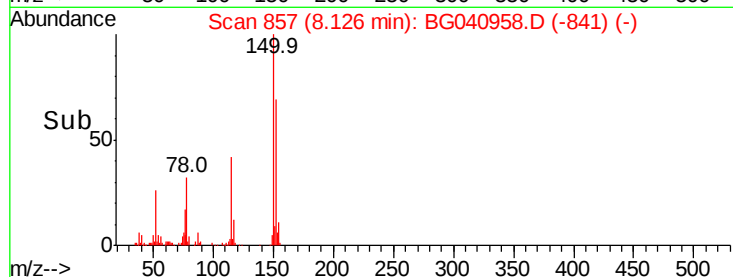
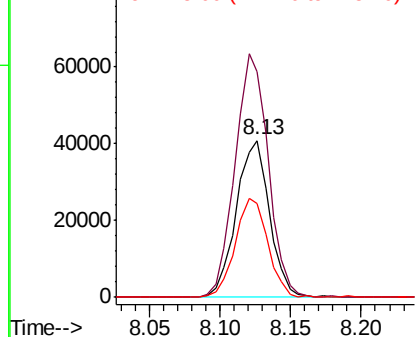


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

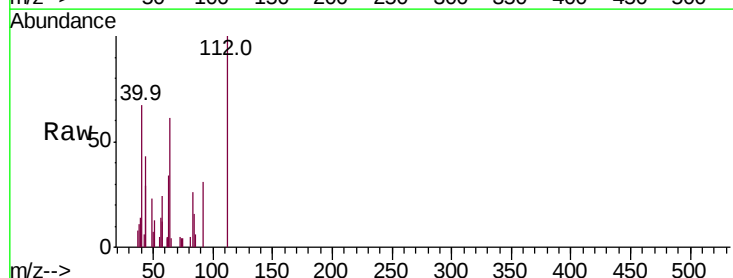
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.599 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	56.2	84.2
63	34.0	32.8	49.2

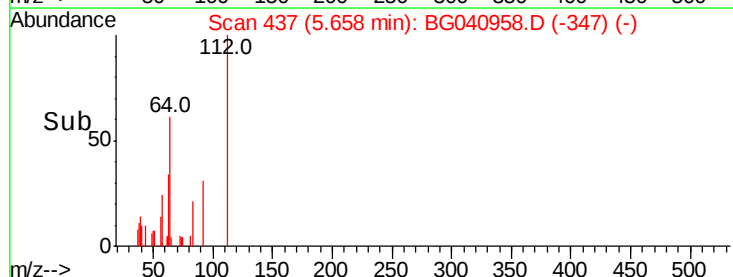
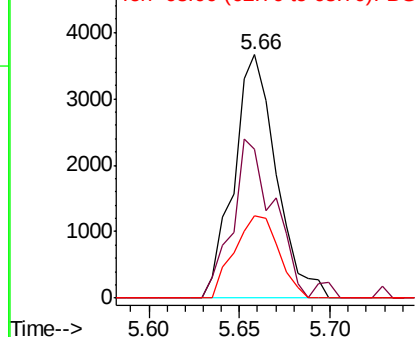


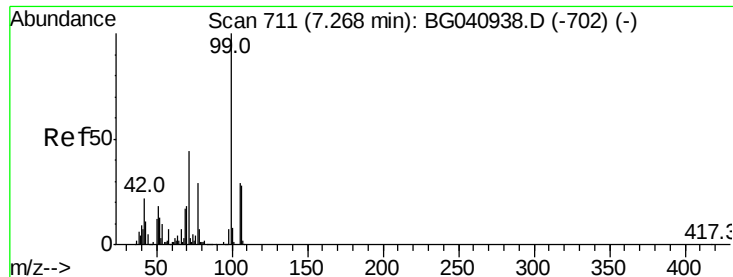
Abundance

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: 15.342 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

Instrument :

BNA_G

ClientSampleId :

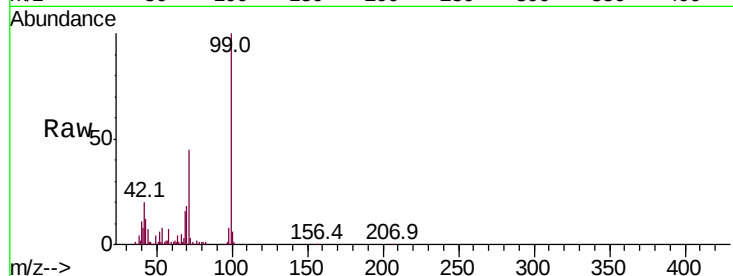
Tot Ion: 99 Resp: 88260

Ion Ratio Lower Upper

99 100

42 20.4 17.9 26.9

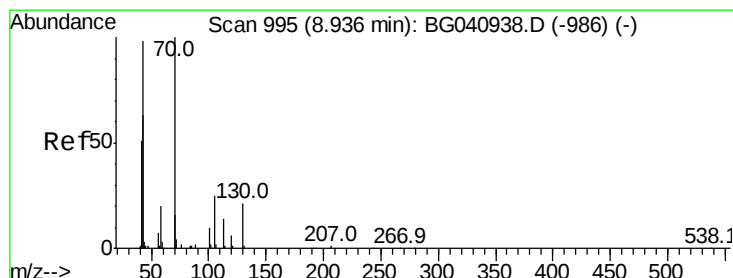
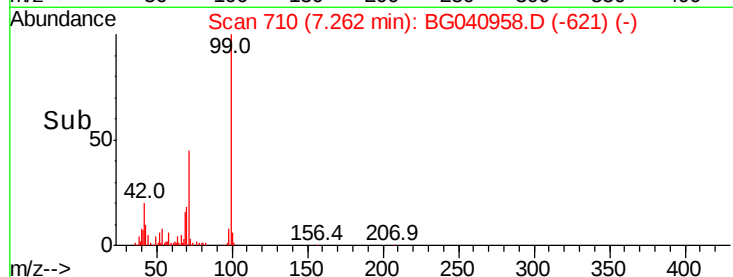
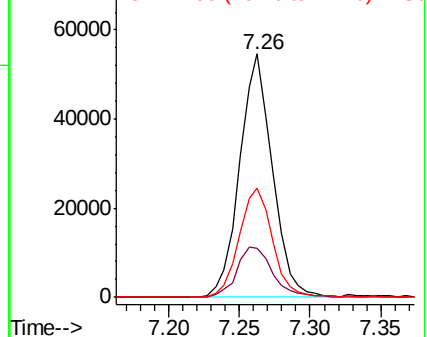
71 44.8 35.4 53.0



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: 13.323 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.37 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

Tgt Ion: 70 Resp: 58982

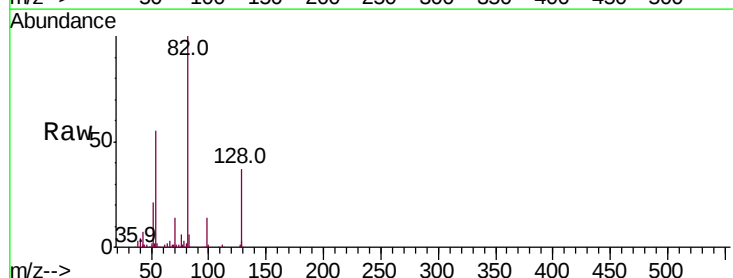
Ion Ratio Lower Upper

70 100

42 46.7 51.5 77.3#

101 0.0 8.1 12.1#

130 0.6 16.6 24.8#

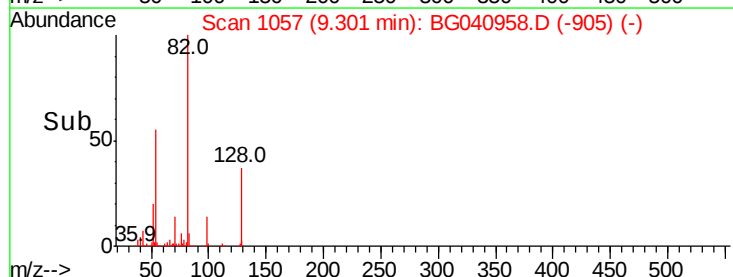
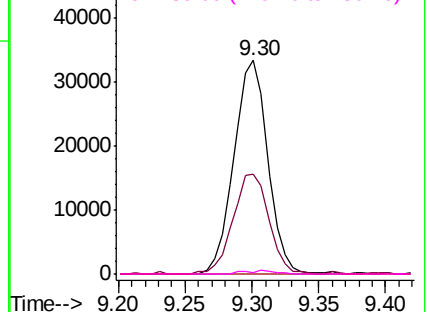


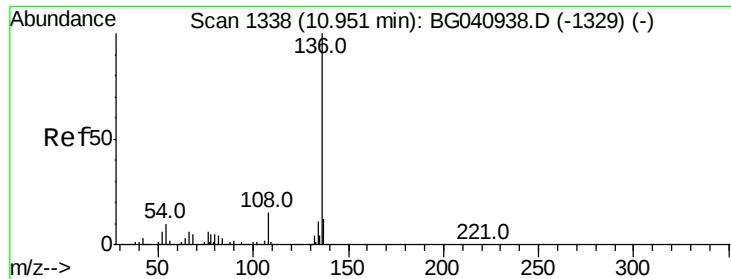
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

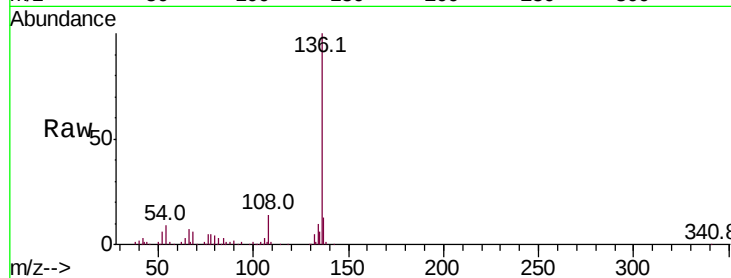




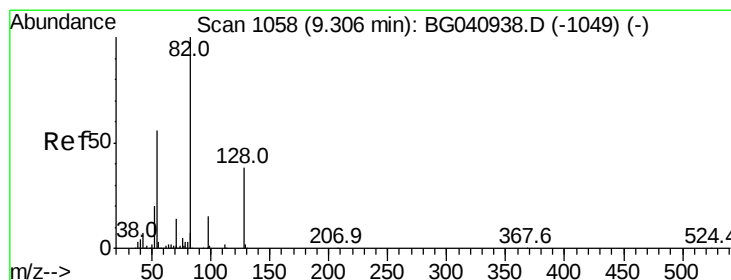
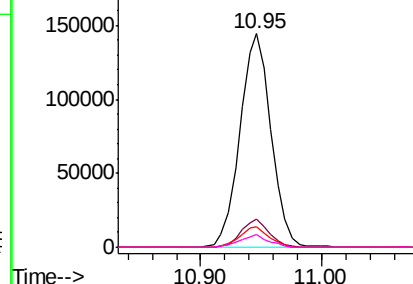
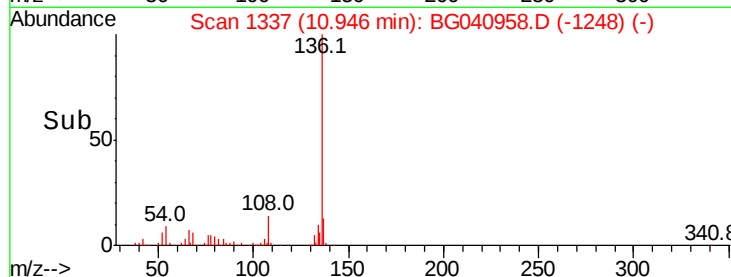
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	258045
Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.5	14.3
54	9.3	7.6	11.4
68	5.9	3.9	5.9#

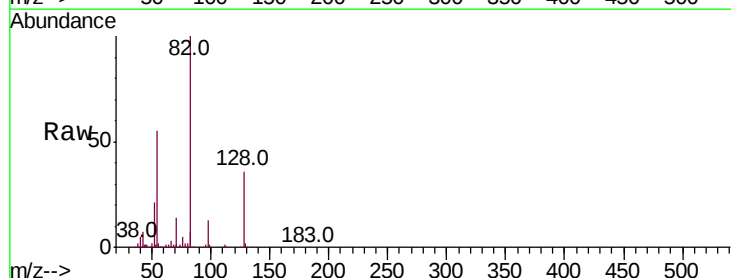


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

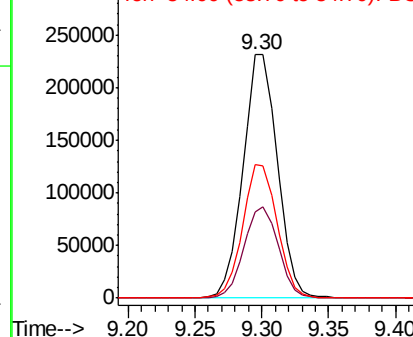
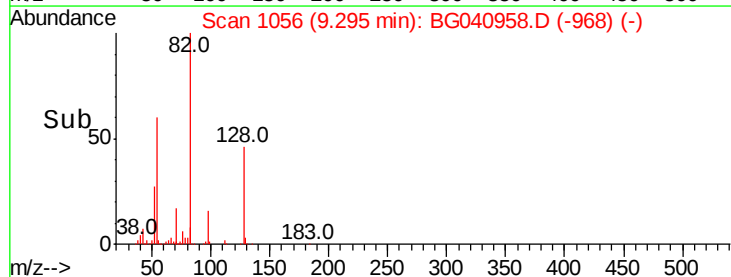


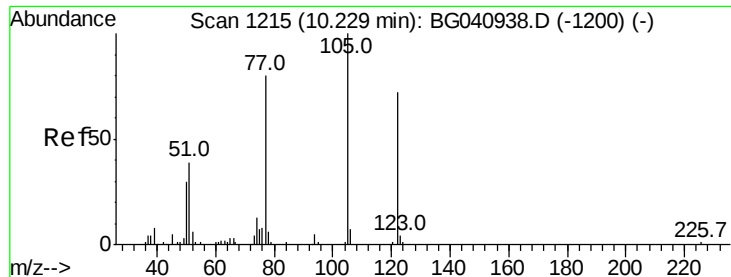
#23
Nitrobenzene-d5
Concen: 70.961 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

Tgt Ion:	82	Resp:	412473
Ion	Ratio	Lower	Upper
82	100		
128	35.6	30.5	45.7
54	54.7	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: 8.152 ng

RT: 10.08 min Scan# 1189

Delta R.T. -0.15 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

Instrument :

BNA_G

ClientSampleId :

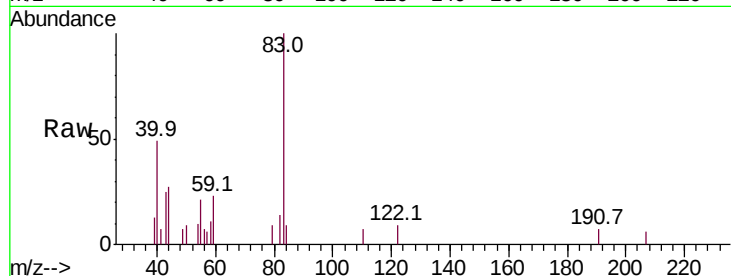
Tot Ion:122 Resp: 81

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

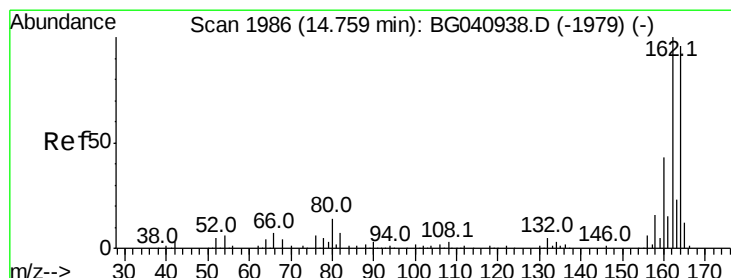
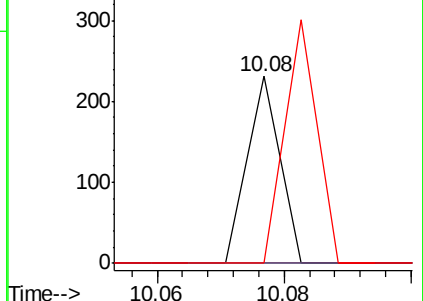
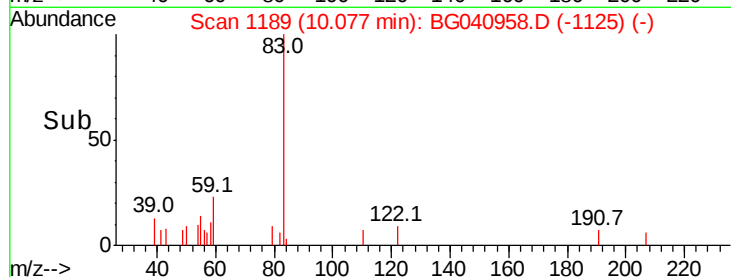
77 0.0 89.9 129.9#



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: BG040958.D

Acq: 30 May 2019 20:11

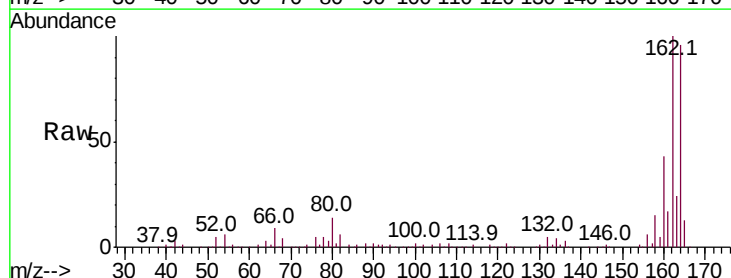
Tgt Ion:164 Resp: 186903

Ion Ratio Lower Upper

164 100

162 104.4 83.0 124.4

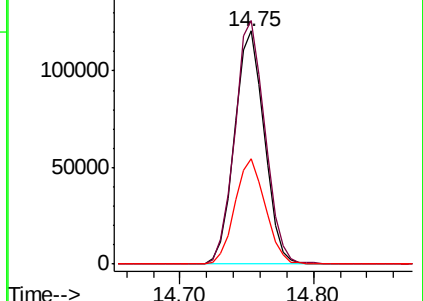
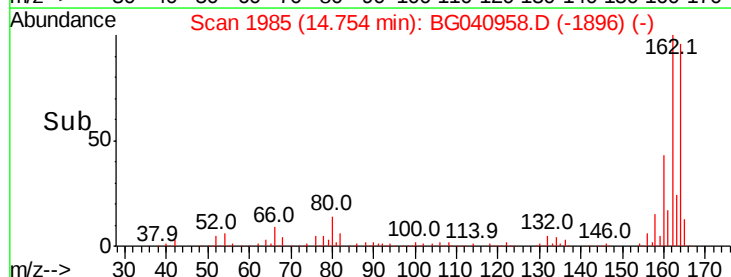
160 45.0 35.6 53.4

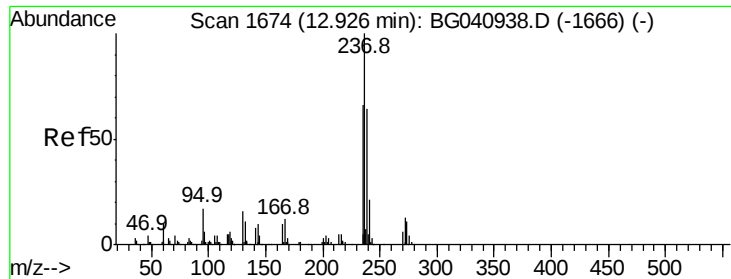


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.253 ng

RT: 12.69 min Scan# 1633

Delta R.T. -0.24 min

Lab File: BG040958.D

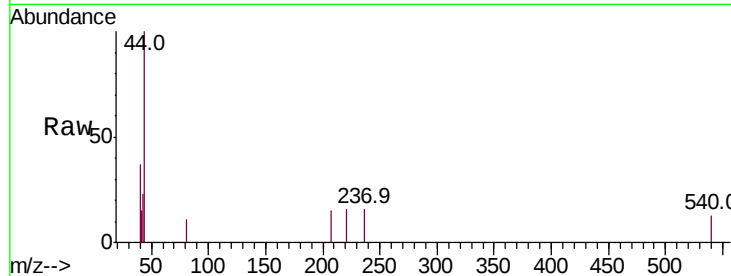
Acq: 30 May 2019 20:11

Instrument :

BNA_G

ClientSampleId :

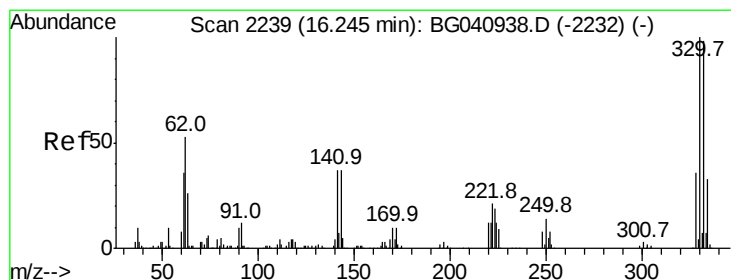
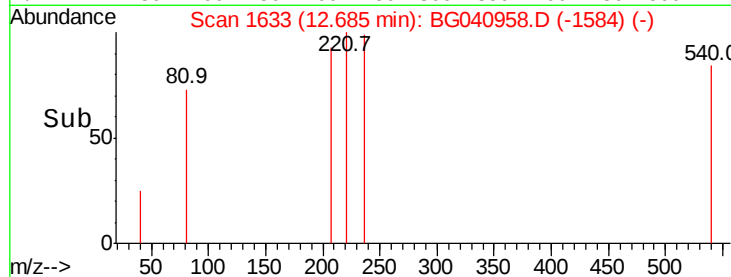
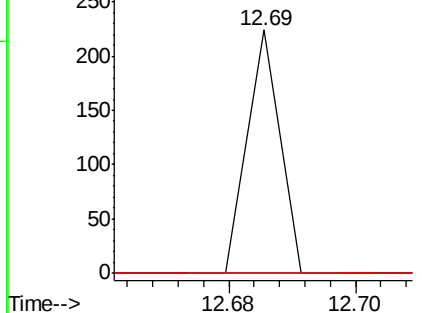
Tot Ion:	237	Resp:	79
Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



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: 0.165 ng

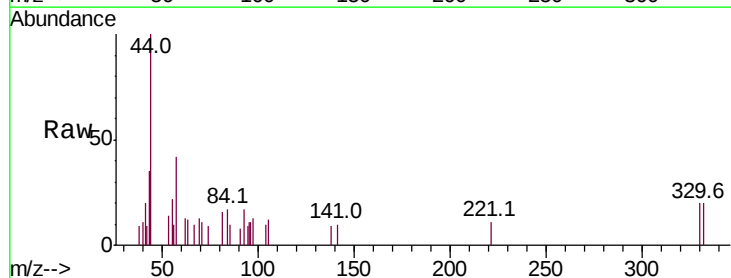
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

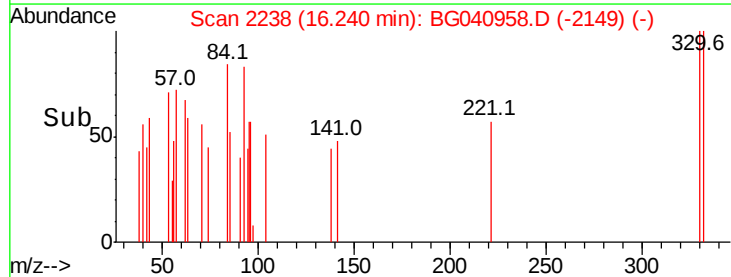
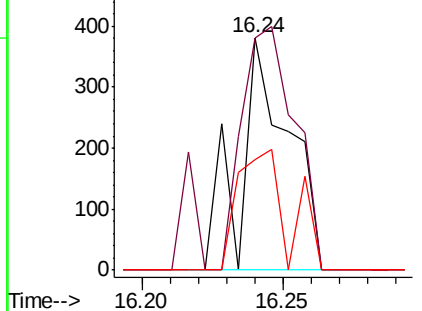
Tgt Ion:	330	Resp:	457
Ion	Ratio	Lower	Upper
330	100		
332	114.0	78.5	117.7
141	53.6	28.7	43.1#

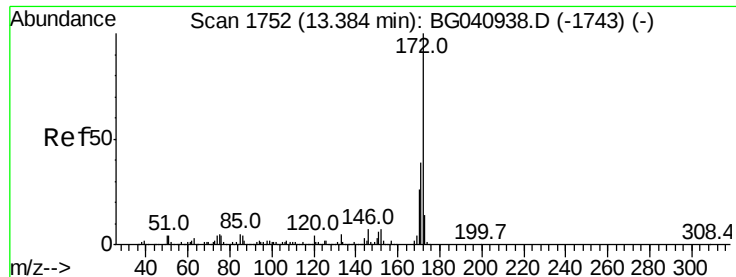


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

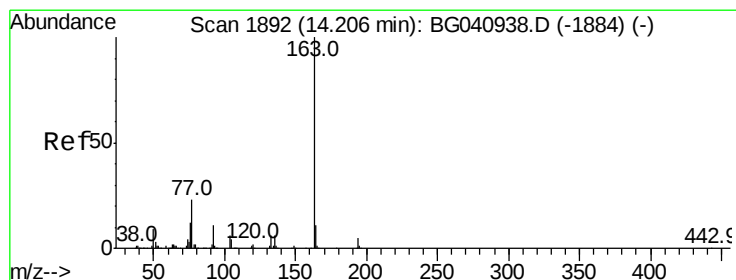
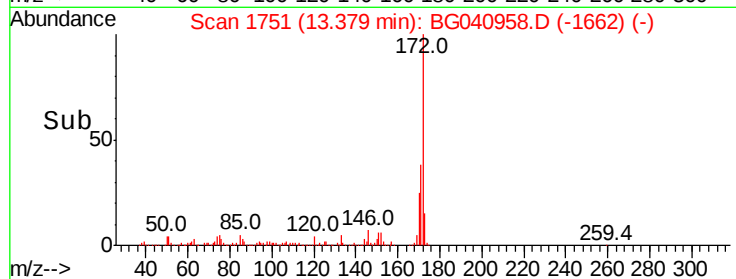
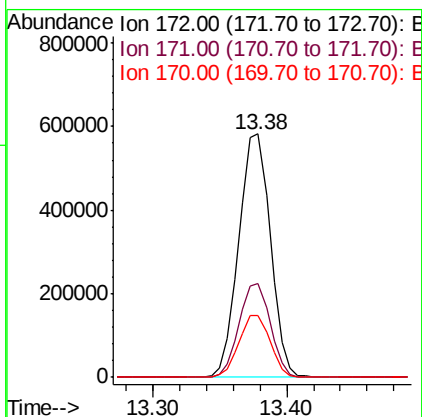
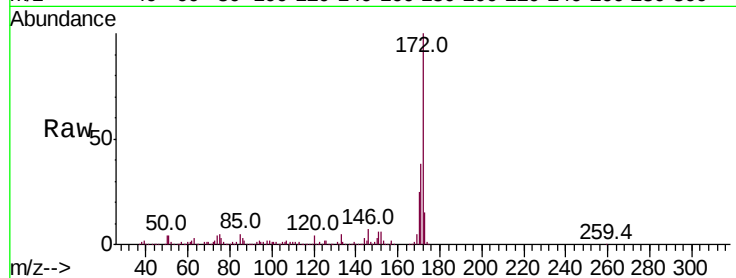




#45
 2-Fluorobiphenyl
 Concen: 73.504 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040958.D
 Acq: 30 May 2019 20:11

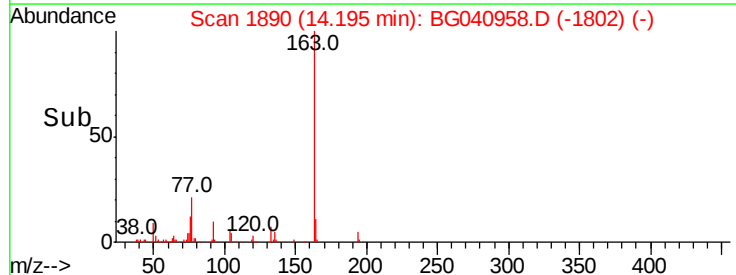
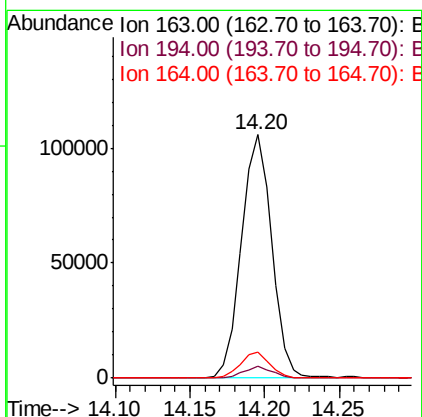
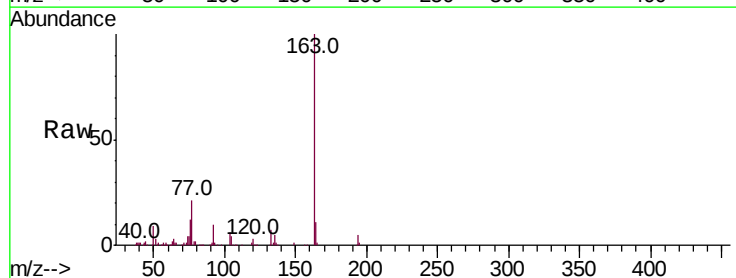
Instrument :
 BNA_G
 ClientSampleId :

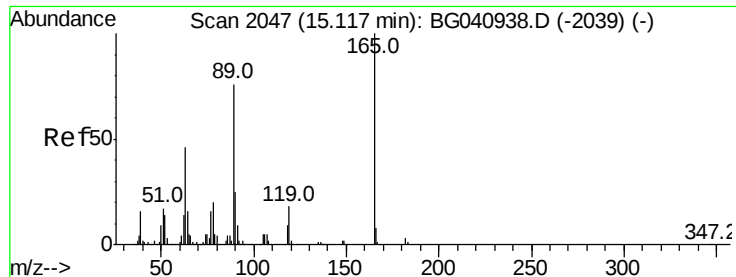
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.1	46.7
170	25.4	20.5	30.7



#50
 Dimethylphthalate
 Concen: 9.423 ng
 RT: 14.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BG040958.D
 Acq: 30 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.7	8.7	13.1

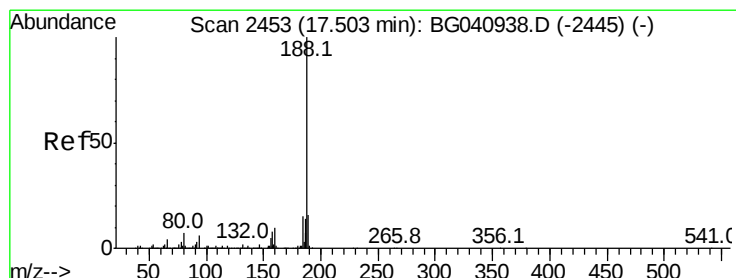
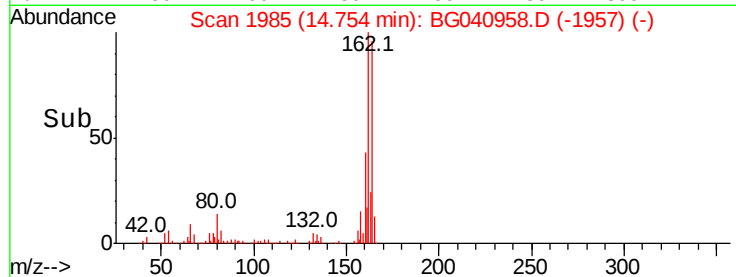
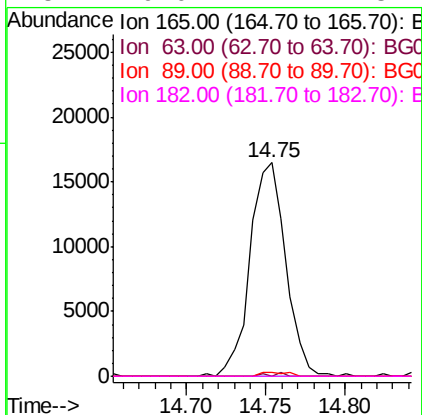
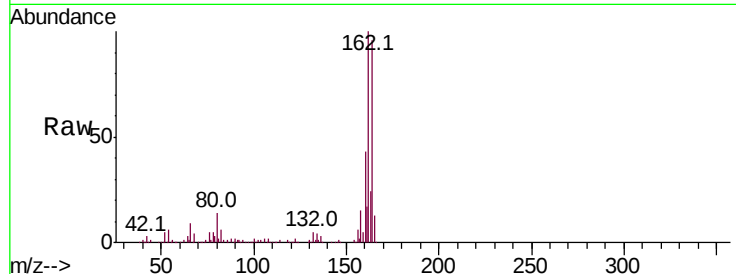




#57
2,4-Dinitrotoluene
Concen: 5.349 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.36 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

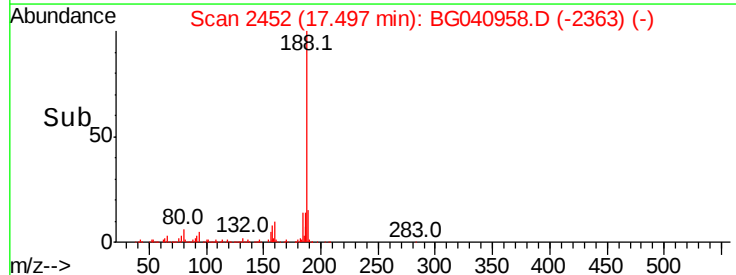
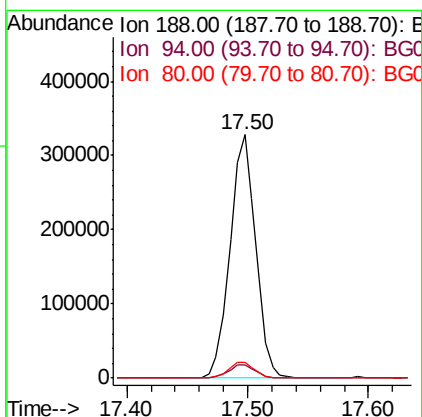
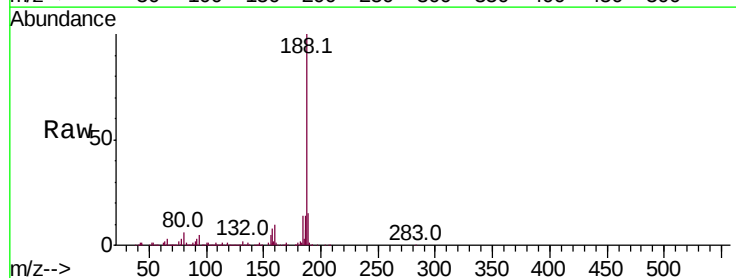
Instrument :
BNA_G
ClientSampleId :

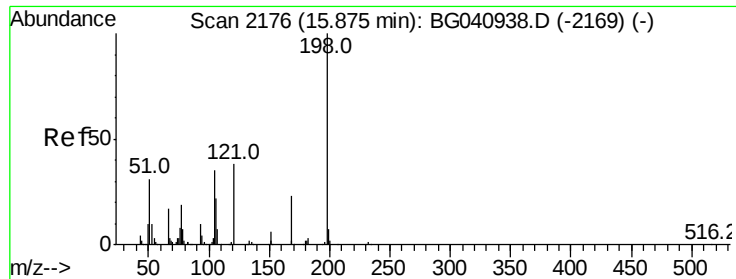
Tot Ion:165 Resp: 25773
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 1.7 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040958.D
Acq: 30 May 2019 20:11

Tgt Ion:188 Resp: 484991
Ion Ratio Lower Upper
188 100
94 5.5 4.7 7.1
80 6.5 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.610 ng

RT: 15.65 min Scan# 2138

Delta R.T. -0.22 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

Instrument :

BNA_G

ClientSampleId :

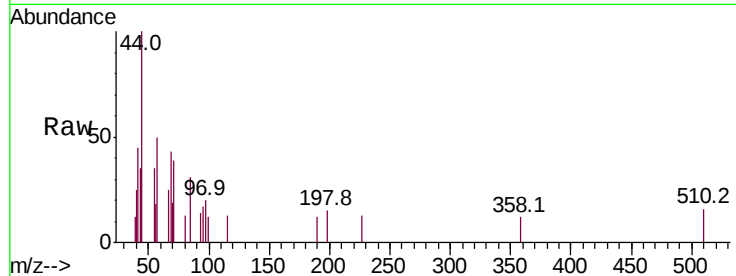
Tot Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

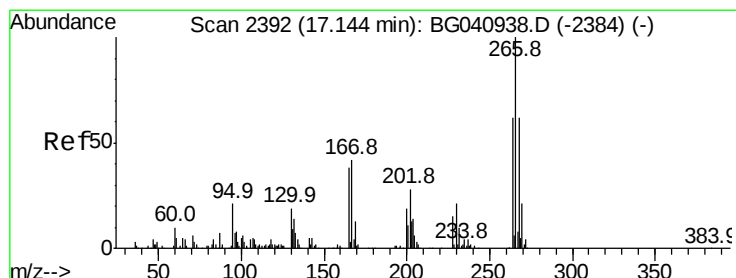
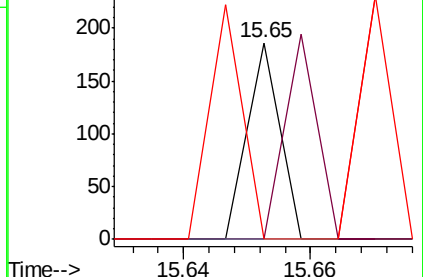
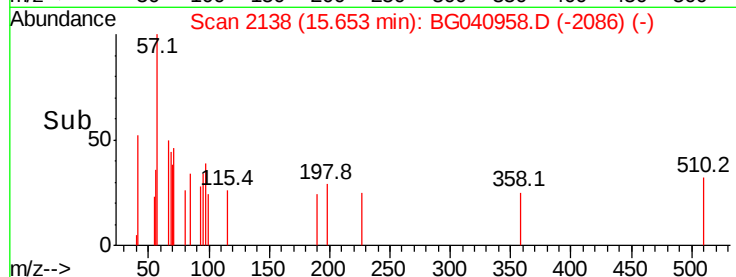
105 0.0 17.5 57.5#



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



#70

Pentachlorophenol

Concen: 4.273 ng

RT: 17.49 min Scan# 2451

Delta R.T. 0.35 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

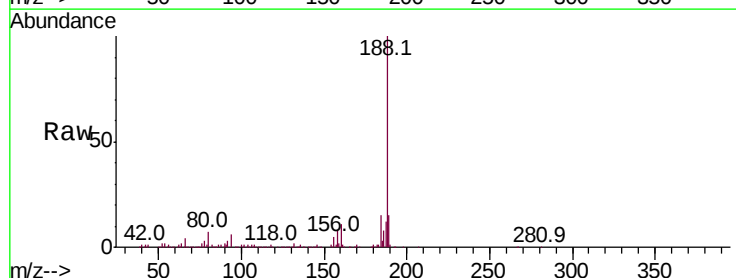
Tgt Ion:266 Resp: 69

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

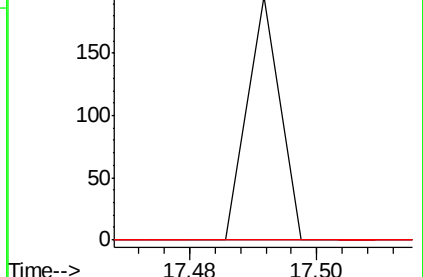
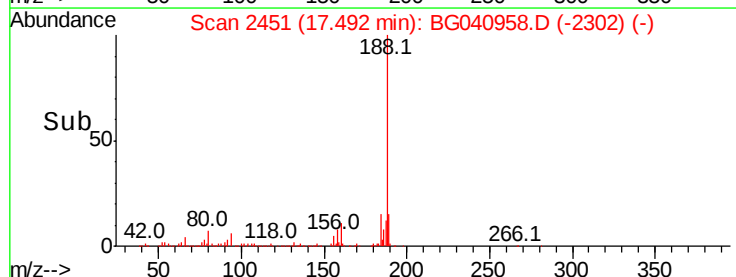
264 0.0 49.9 74.9#

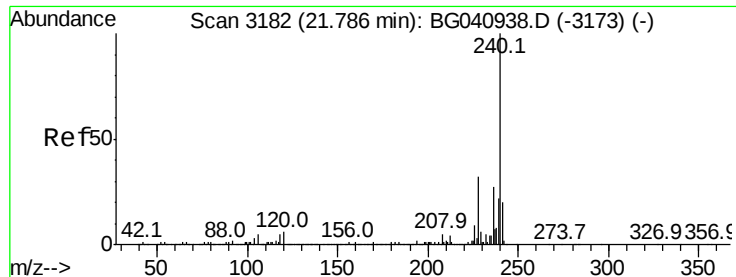


Abundance Ion 265.70 (265.40 to 266.40): E

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: BG040958.D

Acq: 30 May 2019 20:11

Instrument :

BNA_G

ClientSampleId :

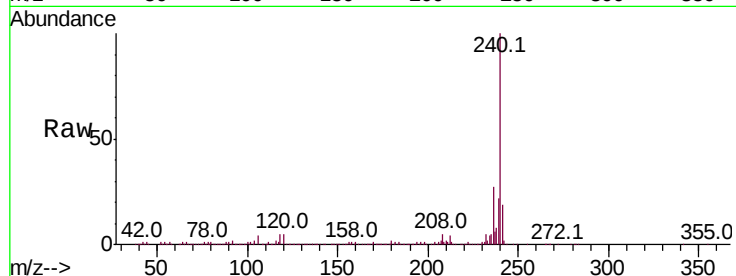
Tot Ion:240 Resp: 485590

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

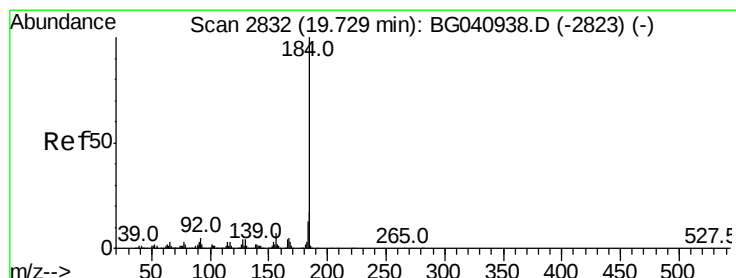
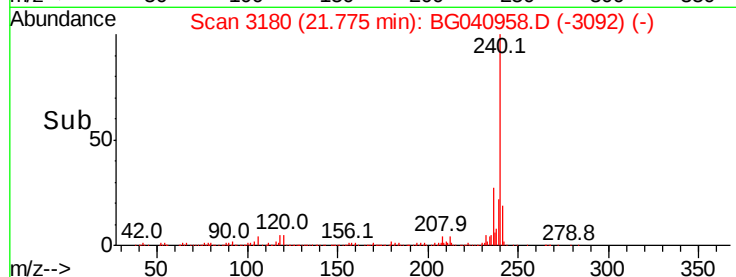
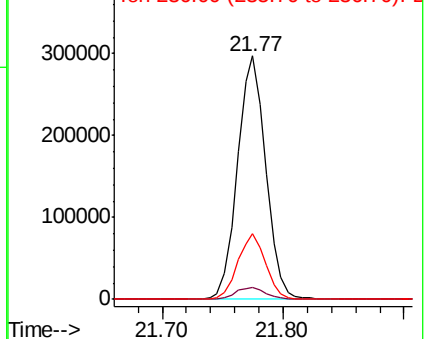
236 27.0 21.3 31.9



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: 2.676 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.37 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

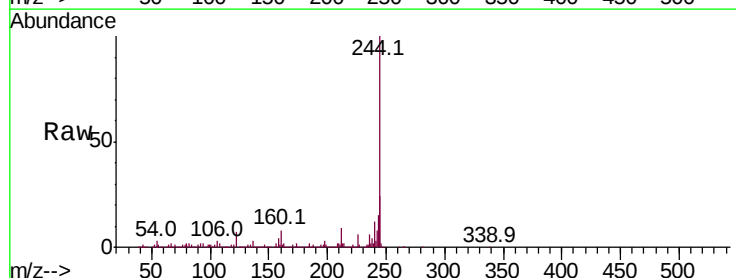
Tgt Ion:184 Resp: 30995

Ion Ratio Lower Upper

184 100

185 14.1 13.3 19.9

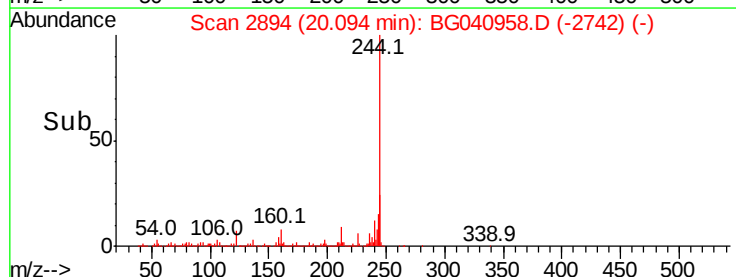
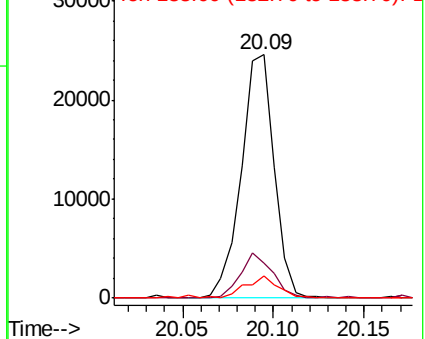
183 9.0 10.7 16.1#

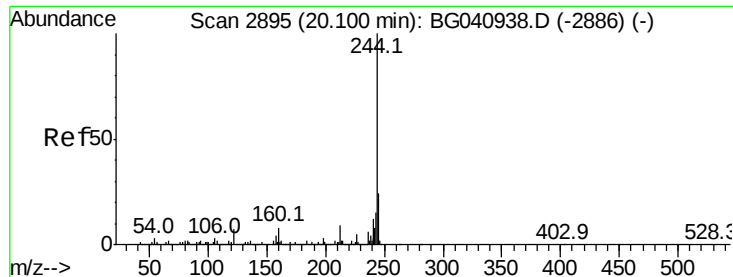


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 74.585 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

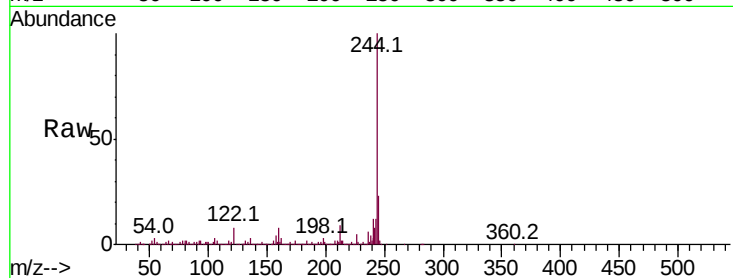
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1706486

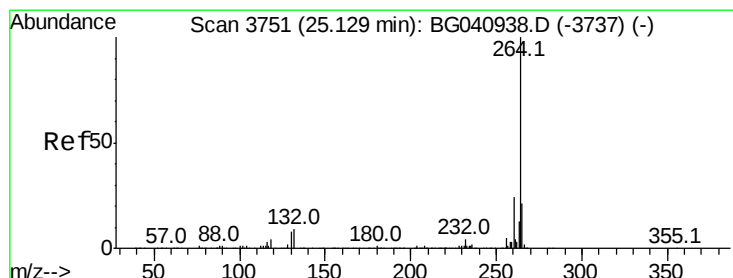
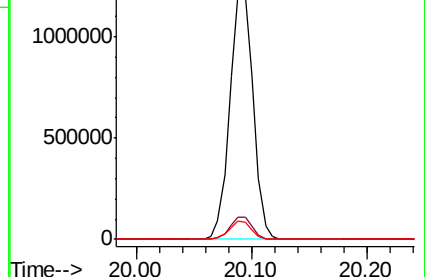
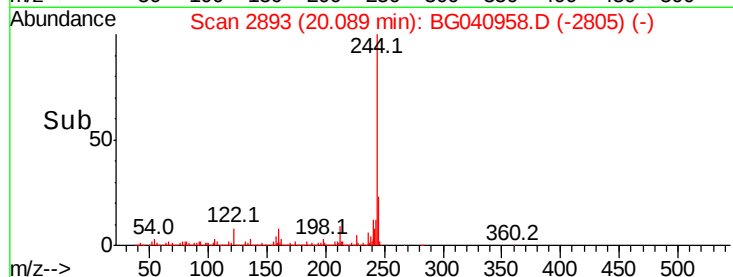
Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.4
122	7.7	5.4	8.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3748

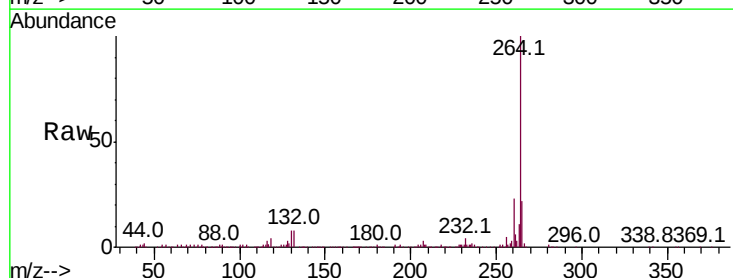
Delta R.T. -0.02 min

Lab File: BG040958.D

Acq: 30 May 2019 20:11

Tgt Ion:264 Resp: 511428

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	22.5	17.0	25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

