

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040972.D
 Acq On : 31 May 2019 5:03
 Operator : HP/JU
 Sample : K2642-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 06:32:42 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	63171	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	237861	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	175552	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	450963	20.00	ng	0.00
76) Chrysene-d12	21.78	240	460299	20.00	ng	-0.01
87) Perylene-d12	25.11	264	476156	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	439618	125.49	ng	0.00
7) Phenol-d6	7.27	99	560546	103.61	ng	0.00
23) Nitrobenzene-d5	9.30	82	503596	93.99	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	363206	139.36	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1117706	91.69	ng	-0.01
79) Terphenyl-d14	20.09	244	1983726	91.47	ng	-0.01

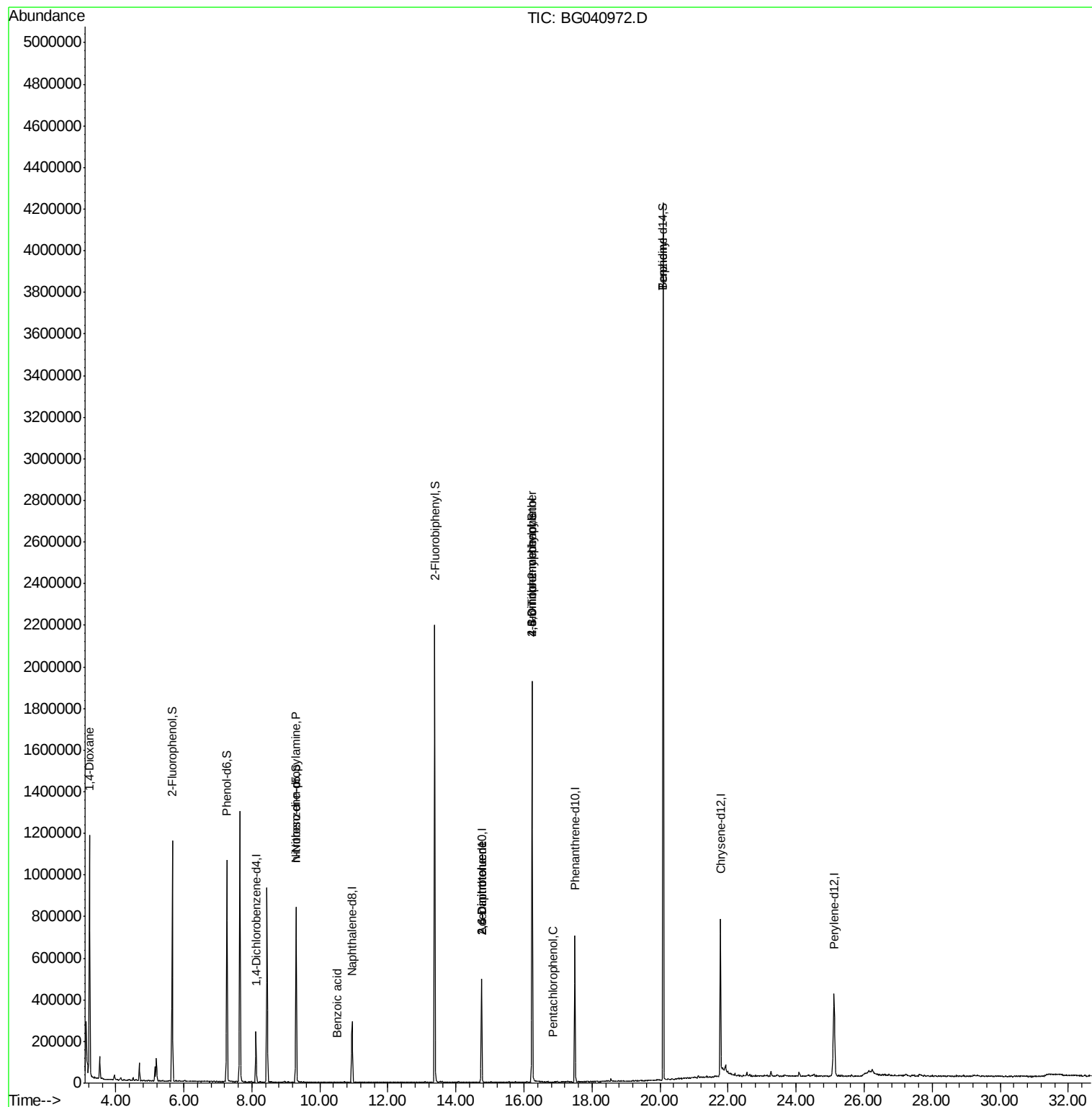
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	12015	7.558	ng	# 1
19) n-Nitroso-di-n-propylamine	9.30	70	73353	17.618	ng	# 72
32) Benzoic acid	10.53	122	62	8.148	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	22977	7.171	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22977	5.077	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	1541	9.113	ng	# 25
67) 4-Bromophenyl-phenylether	16.23	248	26981	4.433	ng	# 1
70) Pentachlorophenol	16.87	266	101	4.283	ng	# 18
77) Benzidine	20.10	184	35759	3.257	ng	# 96

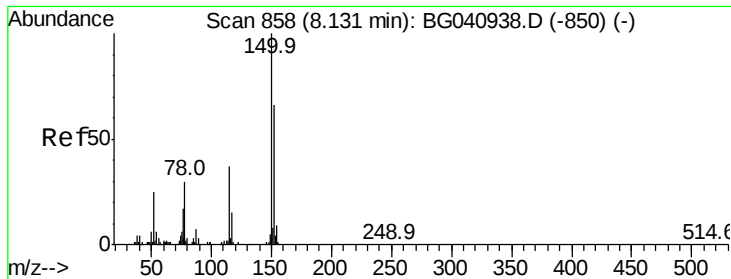
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

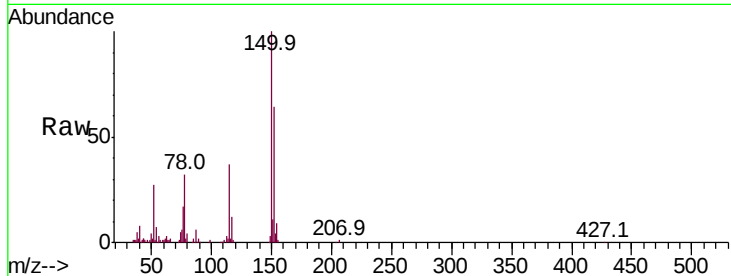
Tot Ion:152 Resp: 63171

Ion Ratio Lower Upper

152 100

150 157.0 120.6 180.8

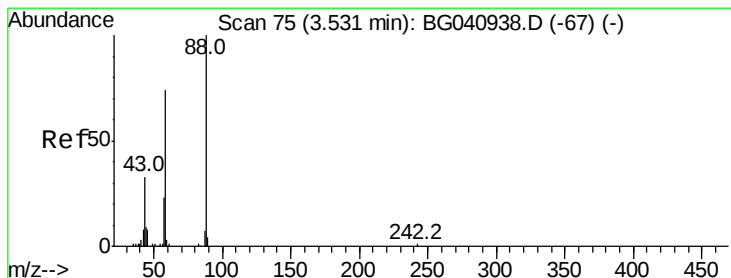
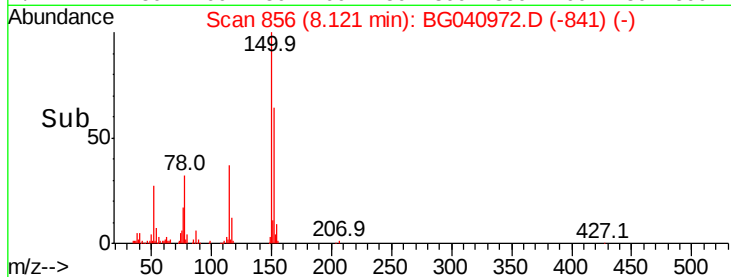
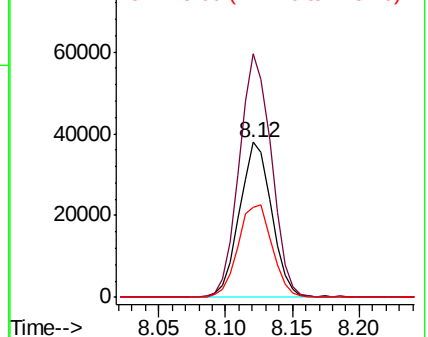
115 58.4 45.1 67.7



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



#2

1,4-Dioxane

Concen: 7.558 ng

RT: 3.23 min Scan# 23

Delta R.T. -0.30 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

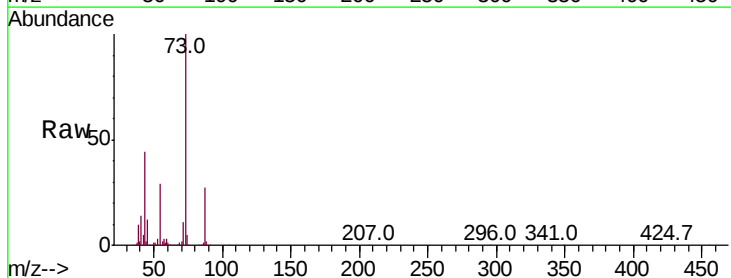
Tgt Ion: 88 Resp: 12015

Ion Ratio Lower Upper

88 100

58 28.1 59.0 88.6#

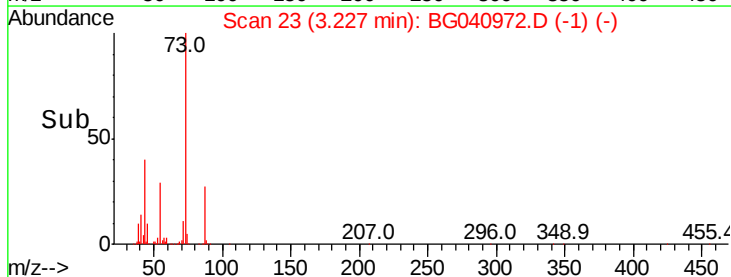
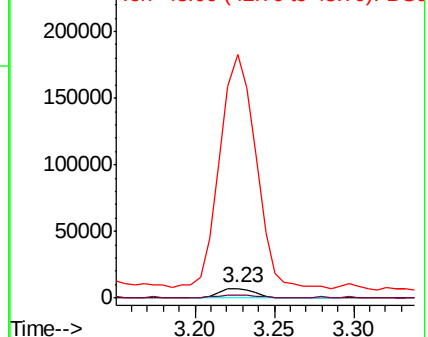
43 2305.0 27.2 40.8#

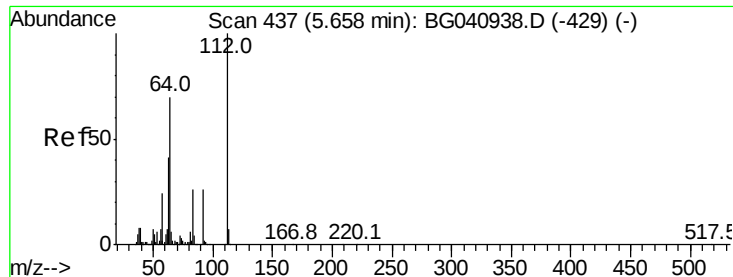


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 125.489 ng

RT: 5.66 min Scan# 437

Delta R.T. 0.00 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

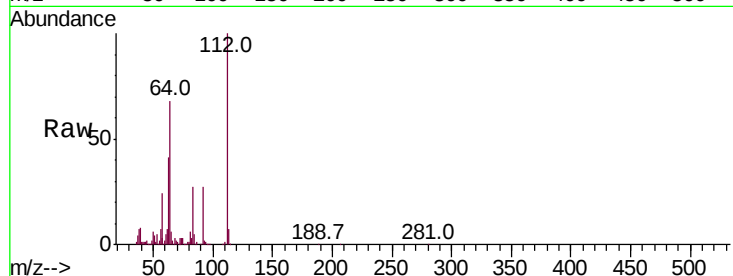
Tot Ion:112 Resp: 439618

Ion Ratio Lower Upper

112 100

64 68.1 56.2 84.2

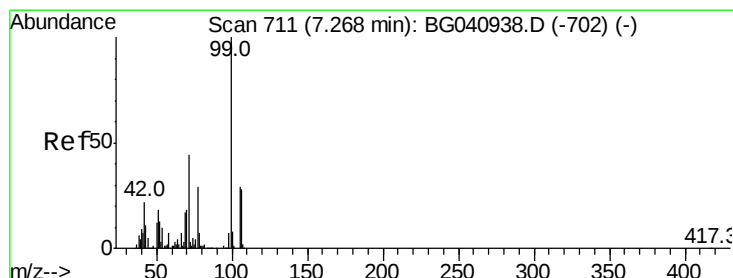
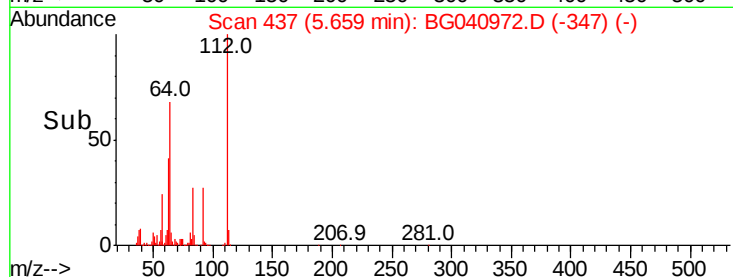
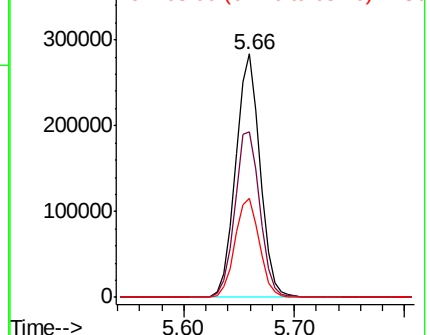
63 40.6 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 103.605 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

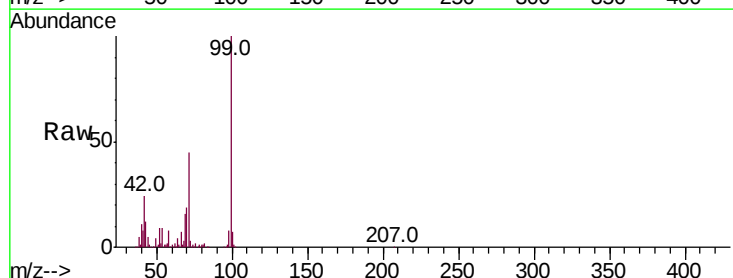
Tgt Ion: 99 Resp: 560546

Ion Ratio Lower Upper

99 100

42 23.7 17.9 26.9

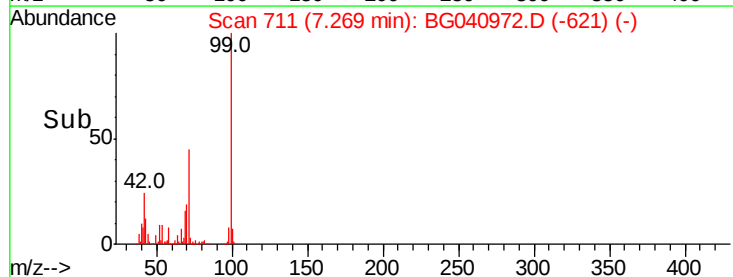
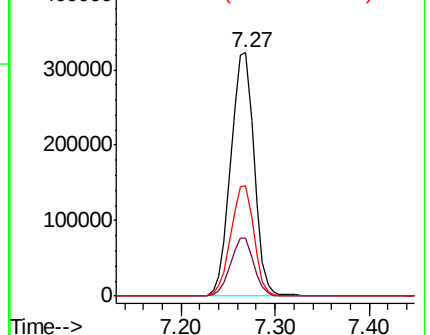
71 45.4 35.4 53.0

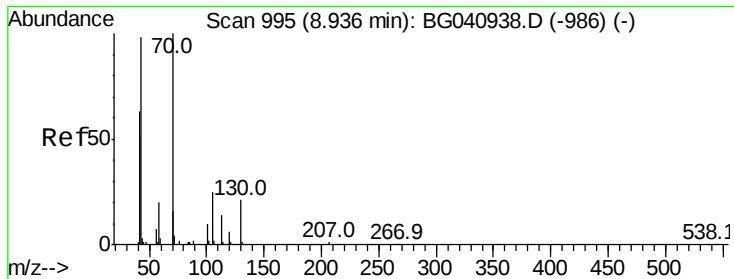


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.618 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.37 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 73353

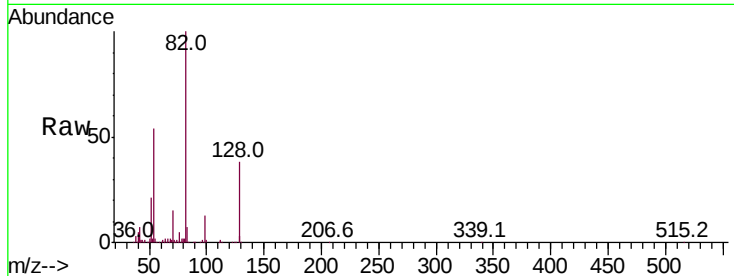
Ion Ratio Lower Upper

70 100

42 45.5 51.5 77.3#

101 0.0 8.1 12.1#

130 1.9 16.6 24.8#

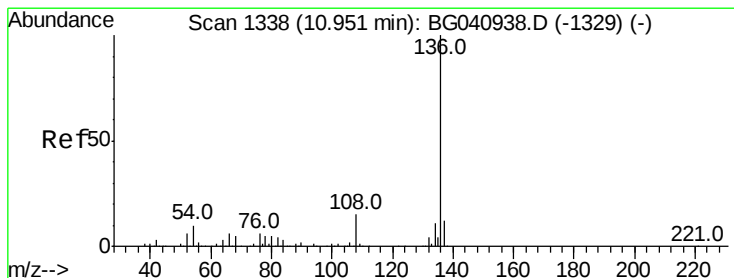
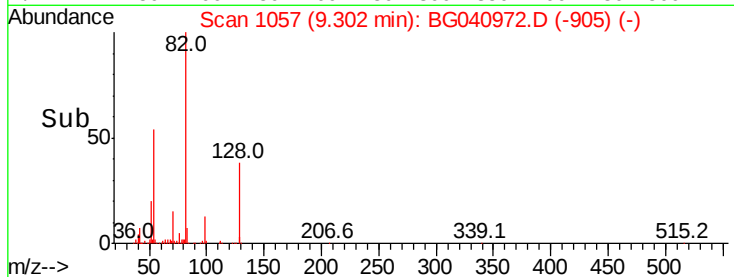
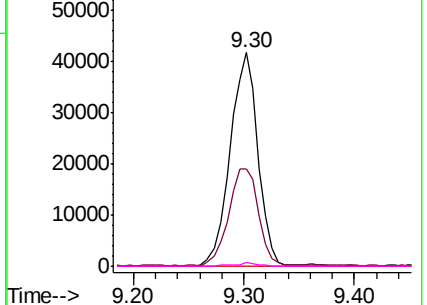


Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.00 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Tgt Ion: 136 Resp: 237861

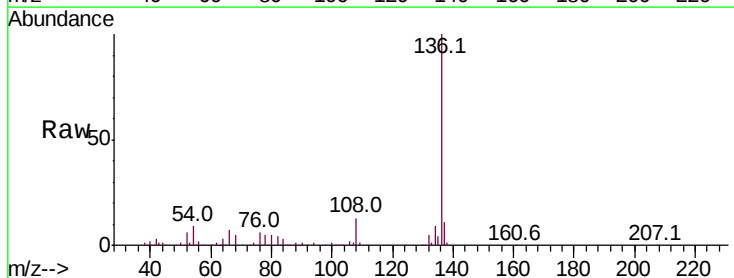
Ion Ratio Lower Upper

136 100

137 10.9 9.5 14.3

54 9.4 7.6 11.4

68 5.2 3.9 5.9

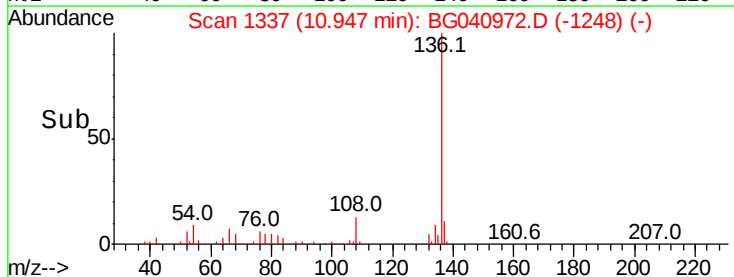
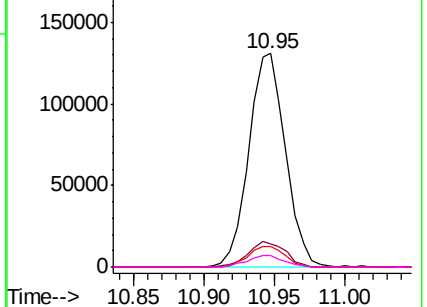


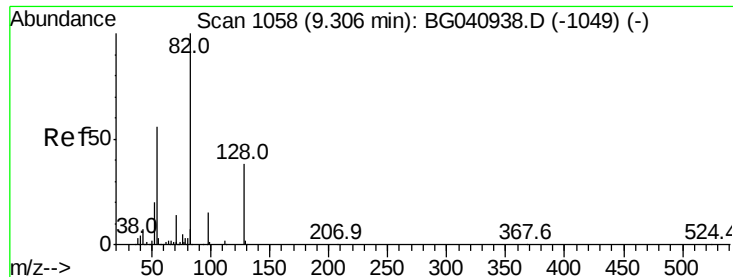
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

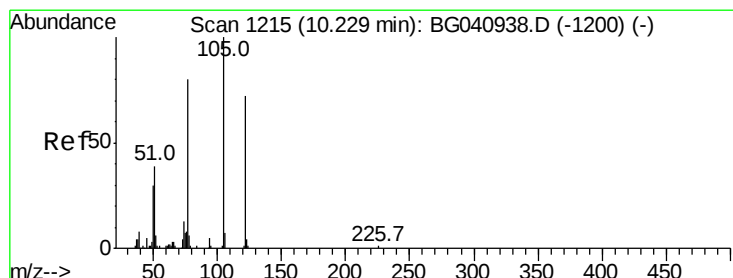
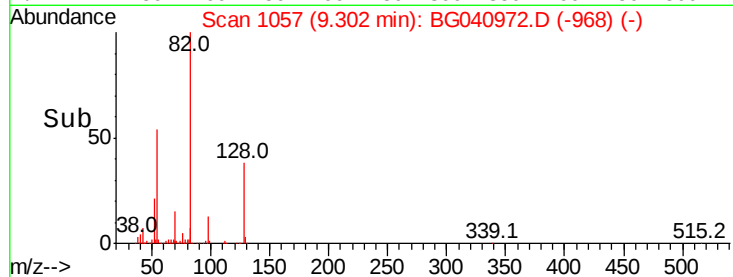
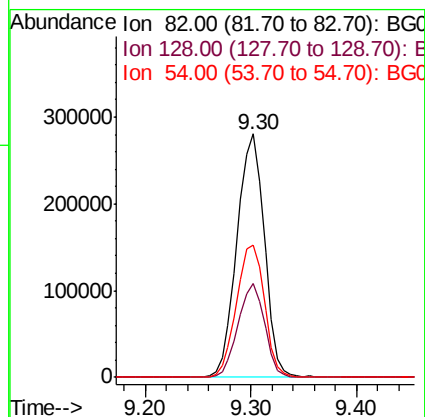
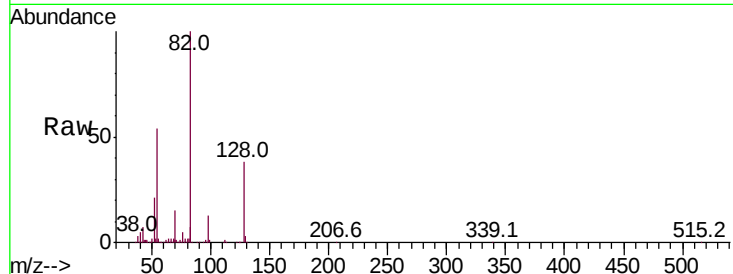




#23
 Nitrobenzene-d5
 Concen: 93.990 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BG040972.D
 Acq: 31 May 2019 5:03

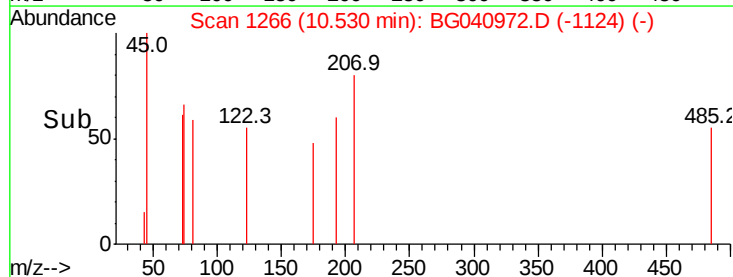
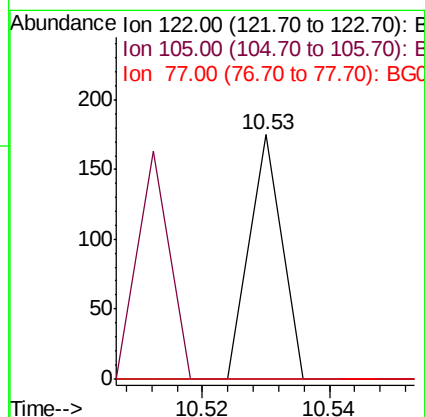
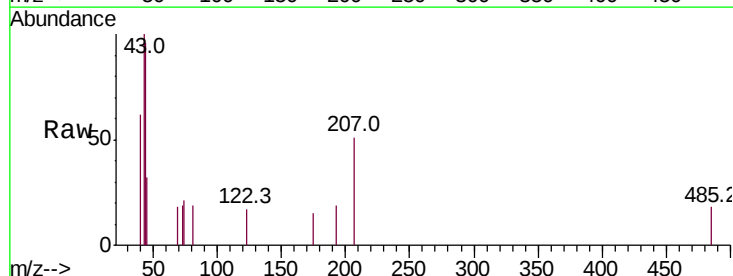
Instrument :
 BNA_G
 ClientSampleId :

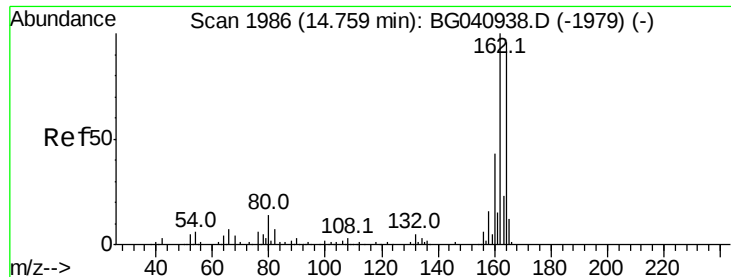
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.5	45.7
54	54.2	44.6	66.8



#32
 Benzoic acid
 Concen: 8.148 ng
 RT: 10.53 min Scan# 1266
 Delta R.T. 0.30 min
 Lab File: BG040972.D
 Acq: 31 May 2019 5:03

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# 1984

Delta R.T. -0.01 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampled :

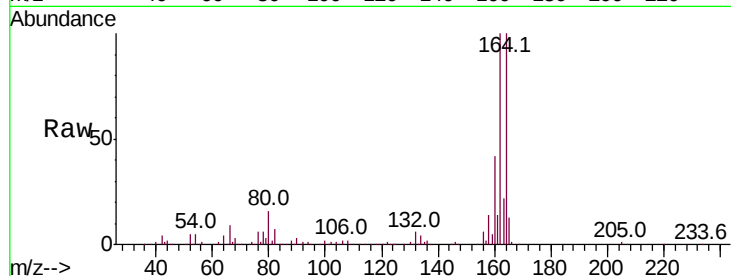
Tot Ion:164 Resp: 175552

Ion Ratio Lower Upper

164 100

162 100.1 83.0 124.4

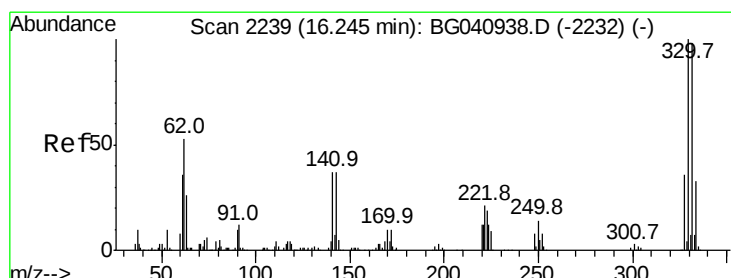
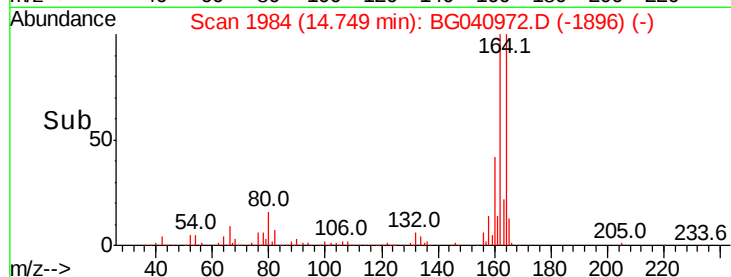
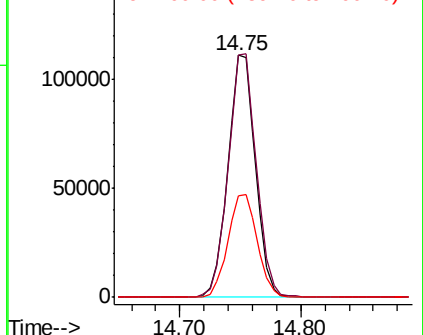
160 41.9 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 139.363 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

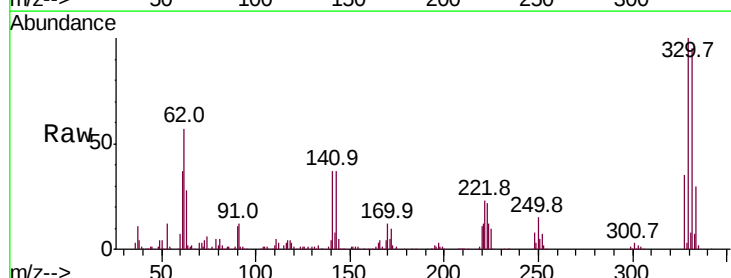
Tgt Ion:330 Resp: 363206

Ion Ratio Lower Upper

330 100

332 95.8 78.5 117.7

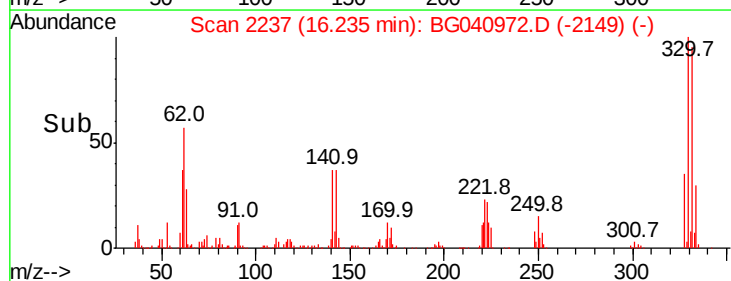
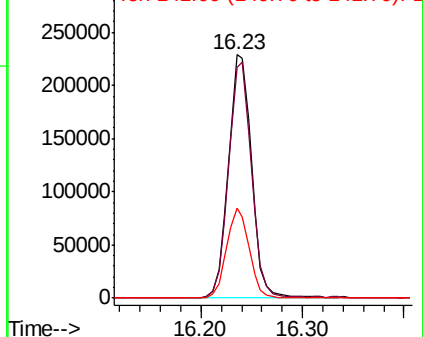
141 36.4 28.7 43.1

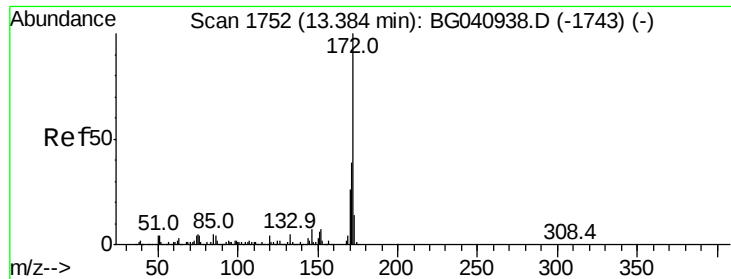


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

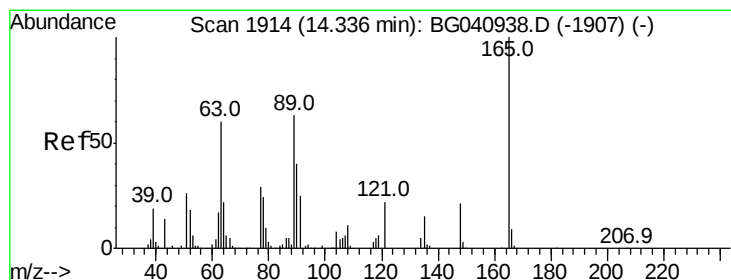
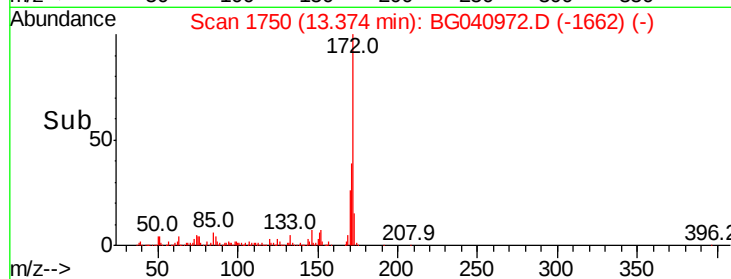
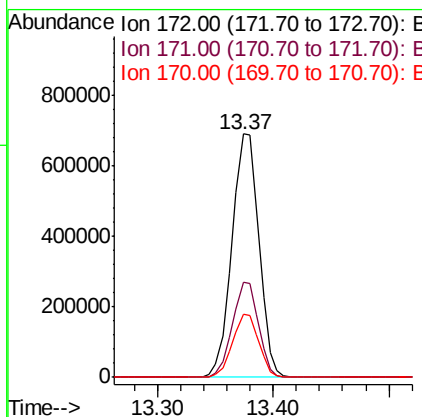
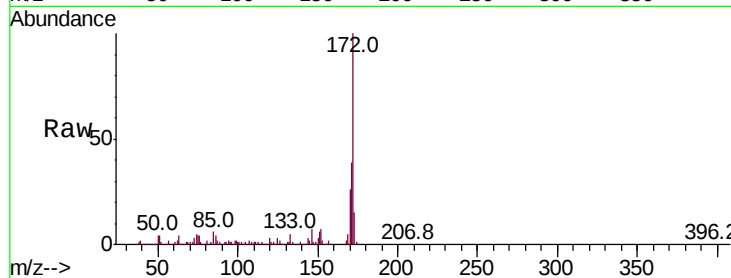




#45
2-Fluorobiphenyl
Concen: 91.689 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG040972.D
Acq: 31 May 2019 5:03

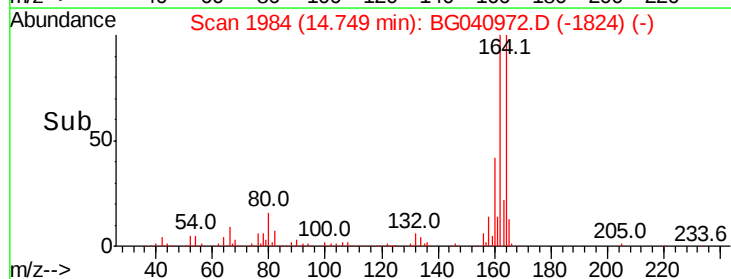
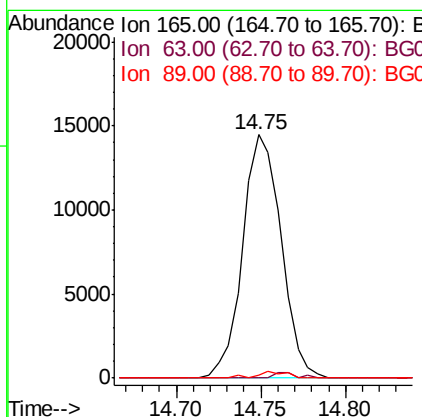
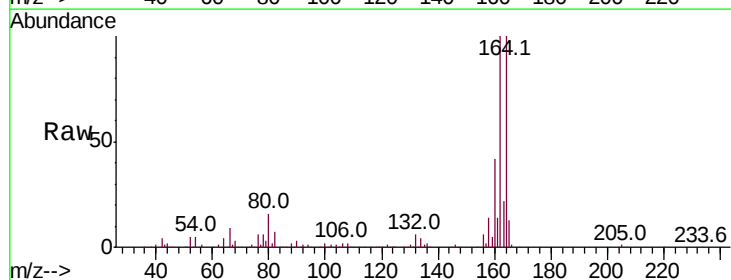
Instrument :
BNA_G
ClientSampleId :

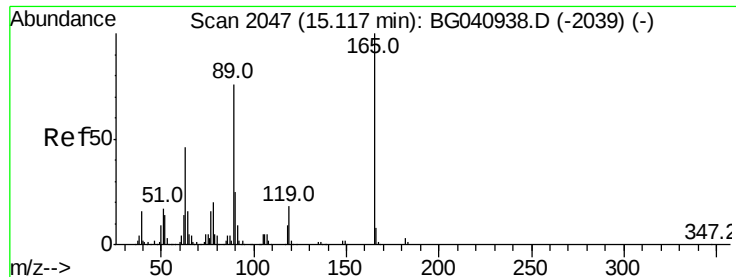
Tot Ion:172 Resp: 1117706
Ion Ratio Lower Upper
172 100
171 39.0 31.1 46.7
170 25.9 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.171 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.41 min
Lab File: BG040972.D
Acq: 31 May 2019 5:03

Tgt Ion:165 Resp: 22977
Ion Ratio Lower Upper
165 100
63 0.0 53.6 80.4#
89 1.4 50.4 75.6#

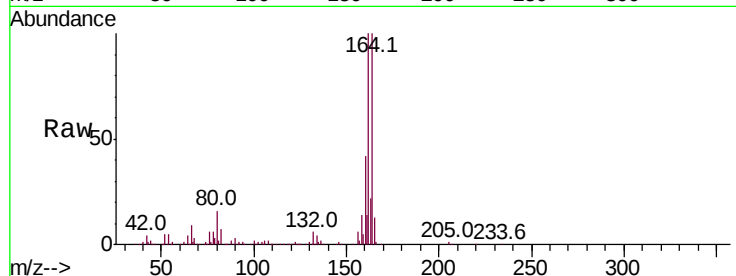




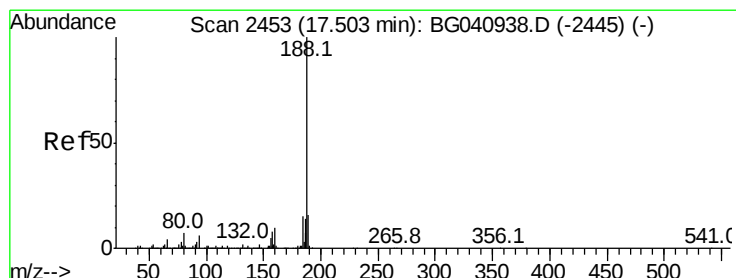
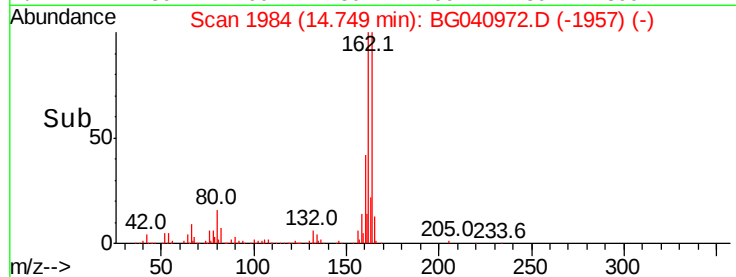
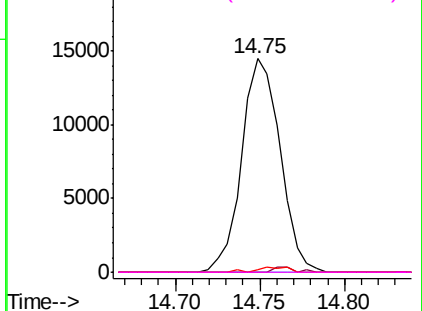
#57
2,4-Dinitrotoluene
Concen: 5.077 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.37 min
Lab File: BG040972.D
Acq: 31 May 2019 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 22977
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 1.4 61.0 91.6#
182 0.0 2.2 3.2#

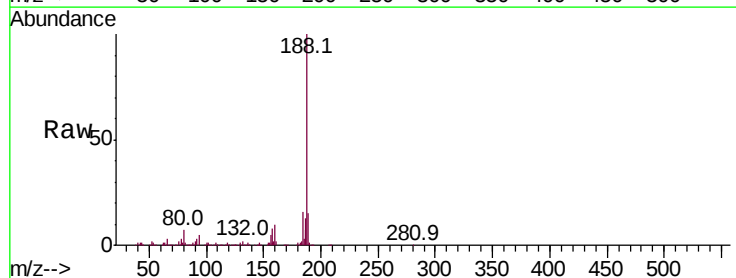


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

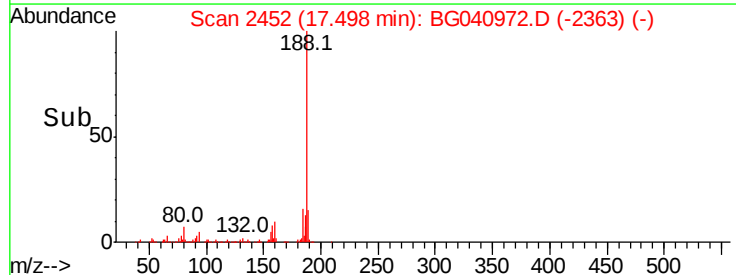
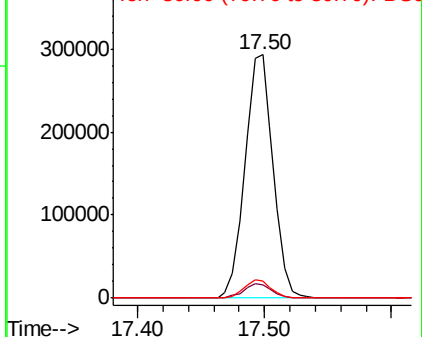


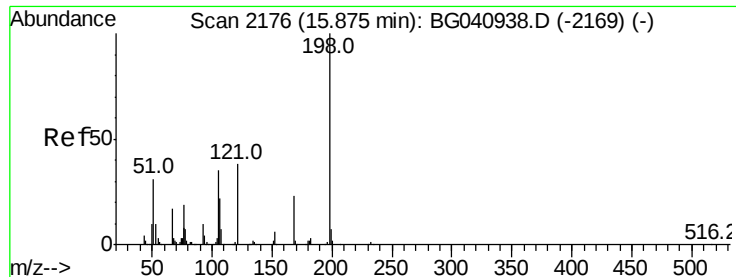
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.00 min
Lab File: BG040972.D
Acq: 31 May 2019 5:03

Tgt Ion:188 Resp: 450963
Ion Ratio Lower Upper
188 100
94 5.2 4.7 7.1
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 9.113 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

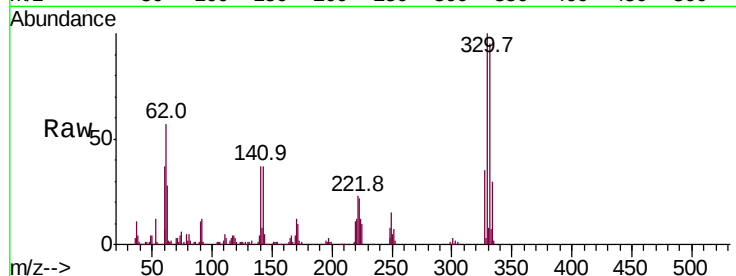
Tot Ion:198 Resp: 1541

Ion Ratio Lower Upper

198 100

51 82.7 21.6 61.6#

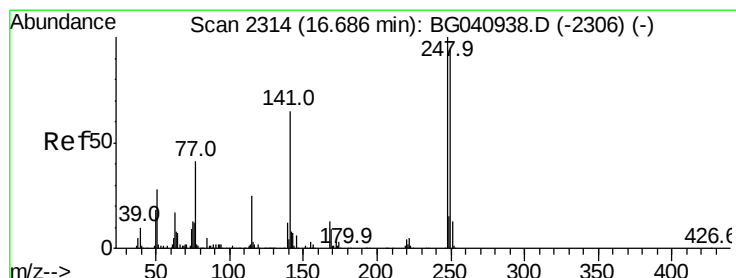
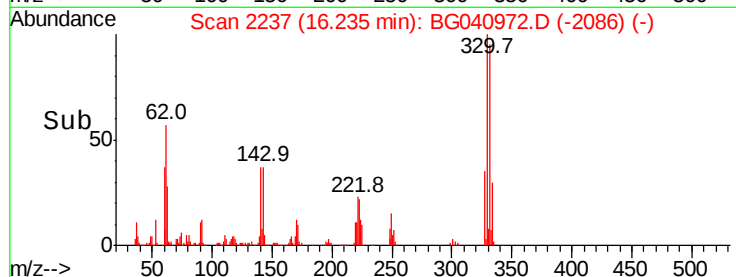
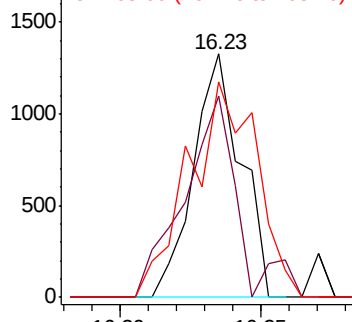
105 88.7 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.433 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.45 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

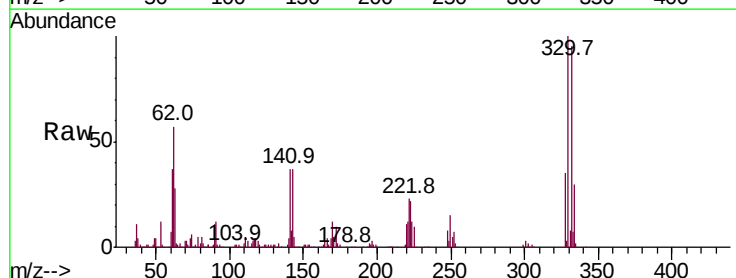
Tgt Ion:248 Resp: 26981

Ion Ratio Lower Upper

248 100

250 183.4 75.0 112.4#

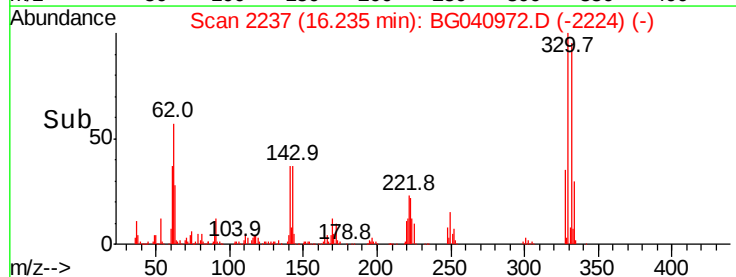
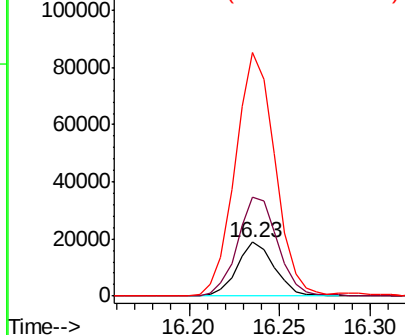
141 454.1 52.4 78.6#

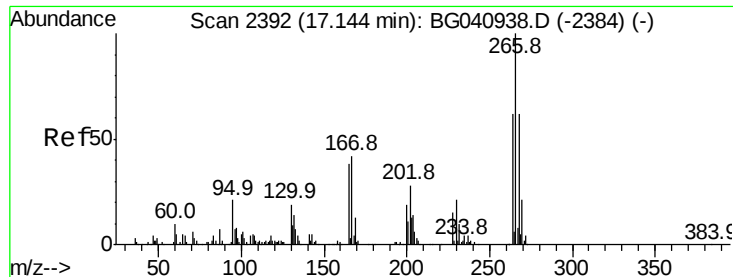


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.283 ng

RT: 16.87 min Scan# 2345

Delta R.T. -0.27 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

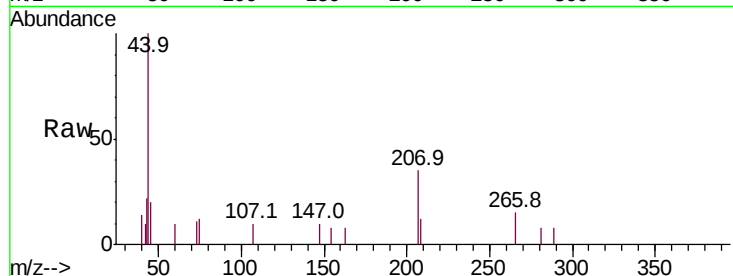
Tot Ion:266 Resp: 101

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

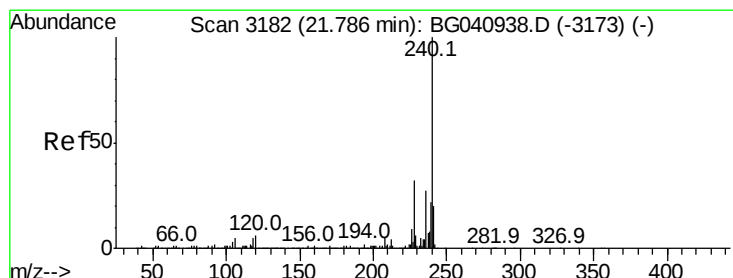
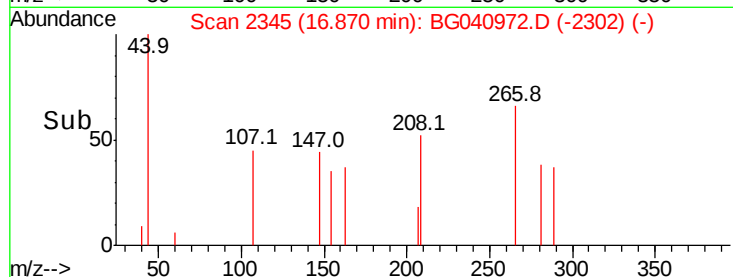
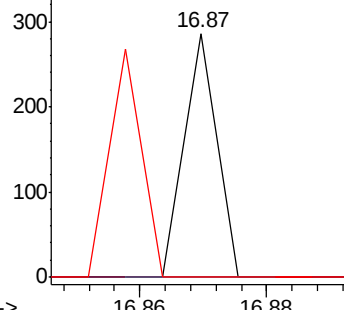
264 0.0 49.9 74.9#



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: 21.78 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

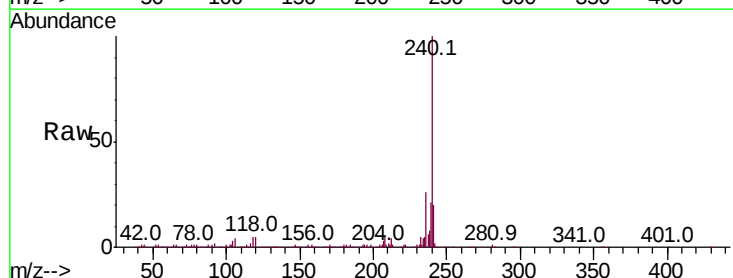
Tgt Ion:240 Resp: 460299

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

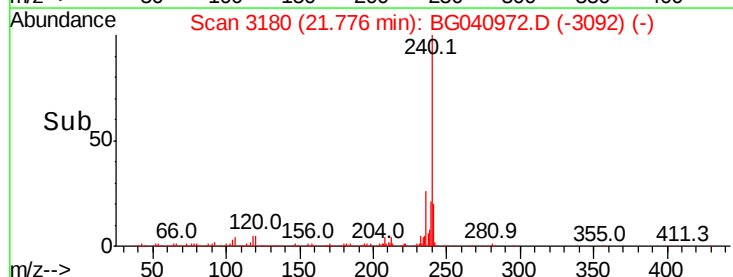
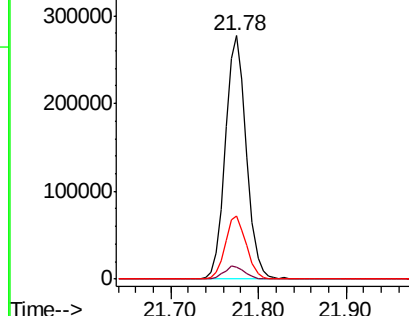
236 25.7 21.3 31.9

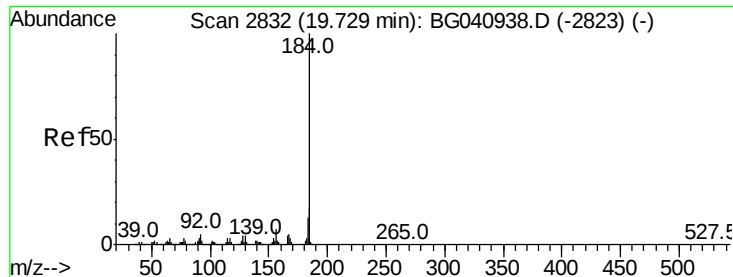


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.257 ng

RT: 20.10 min Scan# 2894

Delta R.T. 0.37 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

Instrument :

BNA_G

ClientSampleId :

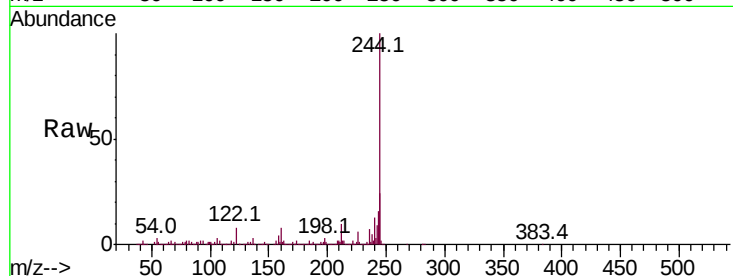
Tot Ion:184 Resp: 35759

Ion Ratio Lower Upper

184 100

185 16.5 13.3 19.9

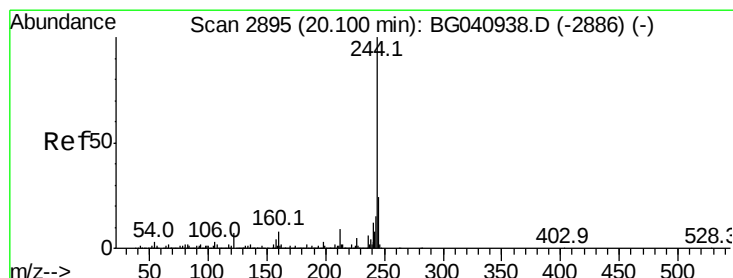
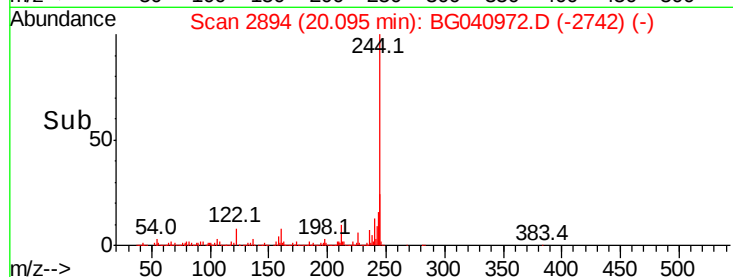
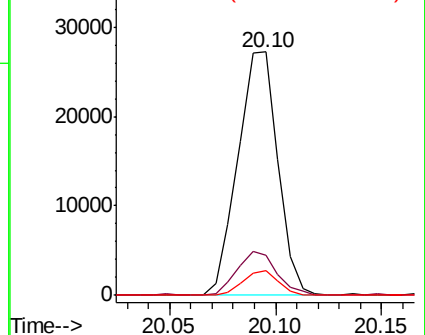
183 10.0 10.7 16.1#



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: 91.466 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040972.D

Acq: 31 May 2019 5:03

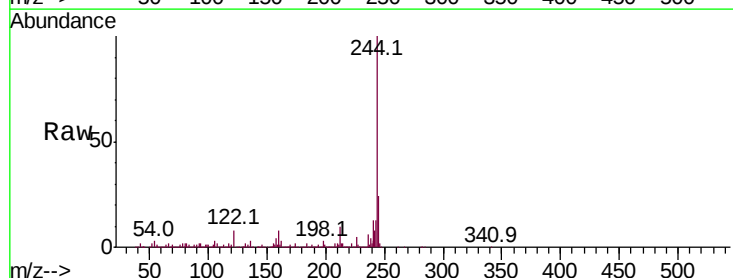
Tgt Ion:244 Resp: 1983726

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.4

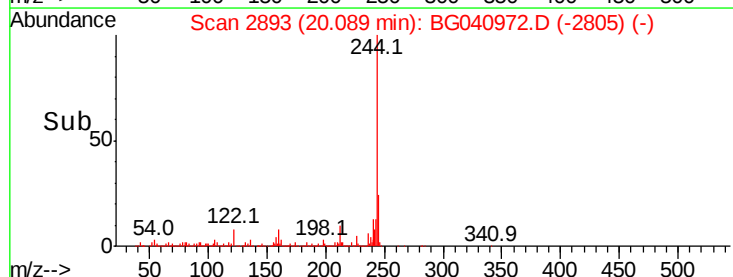
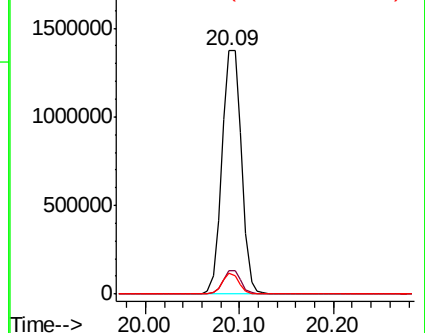
122 8.4 5.4 8.0#

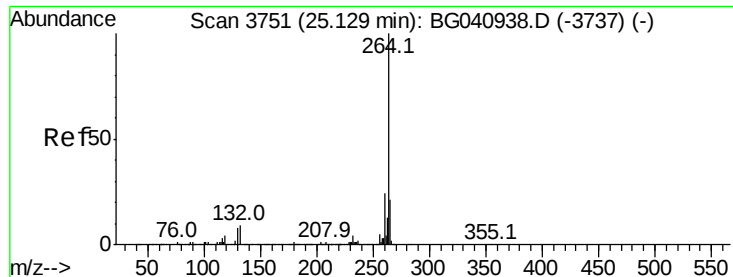


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040972.D
Acq: 31 May 2019 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	20.7	17.0	25.4

