

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040993.D
 Acq On : 1 Jun 2019 2:13
 Operator : HP/JU
 Sample : PB1120082BL
 Misc : LOQ-MDL-WATER-20PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120082BL

Quant Time: Jun 01 05:18:49 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

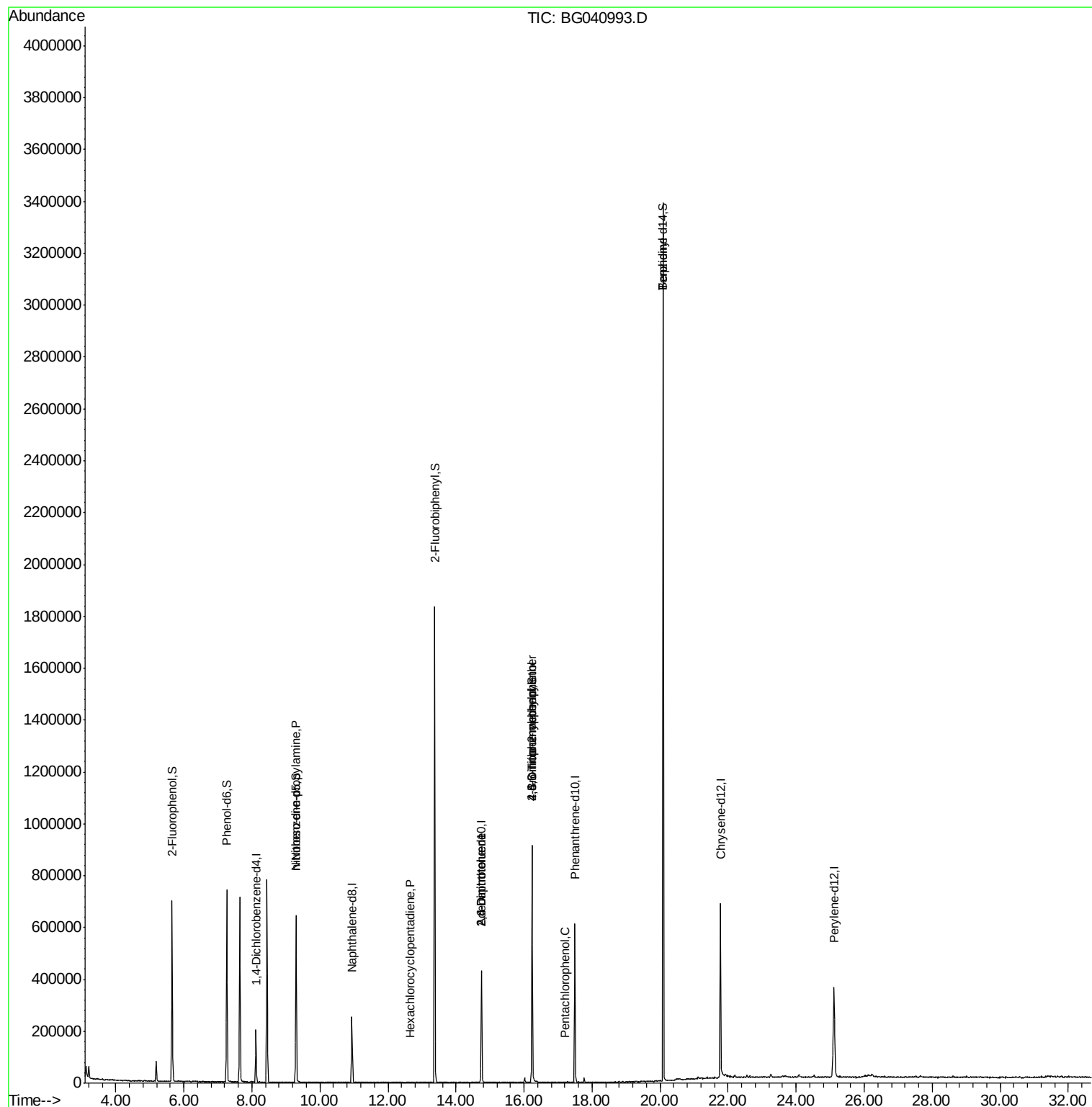
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	52961	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	205593	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	148686	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	391427	20.00	ng	0.00
76) Chrysene-d12	21.77	240	405792	20.00	ng	-0.01
87) Perylene-d12	25.11	264	419240	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	262783	89.47	ng	0.00
7) Phenol-d6	7.26	99	368968	81.34	ng	0.00
23) Nitrobenzene-d5	9.30	82	393568	84.98	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	180167	81.62	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	923212	89.42	ng	-0.01
79) Terphenyl-d14	20.09	244	1565040	81.85	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	56486	16.182	ng	# 76
41) Hexachlorocyclopentadiene	12.64	237	65	8.253	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	19202	7.076	ng	# 19
57) 2,4-Dinitrotoluene	14.75	165	19202	5.009	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	567	8.812	ng	# 86
67) 4-Bromophenyl-phenylether	16.23	248	12363	2.340	ng	# 1
70) Pentachlorophenol	17.20	266	67	4.277	ng	# 18
77) Benzidine	20.09	184	26537	2.741	ng	# 95

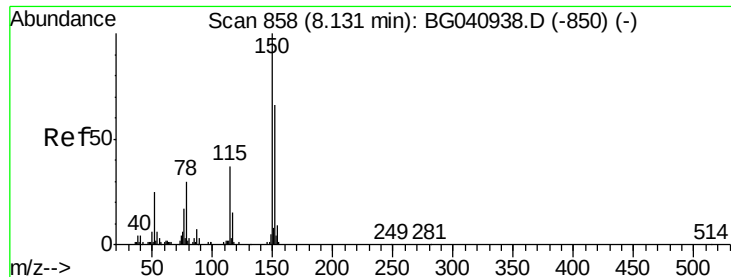
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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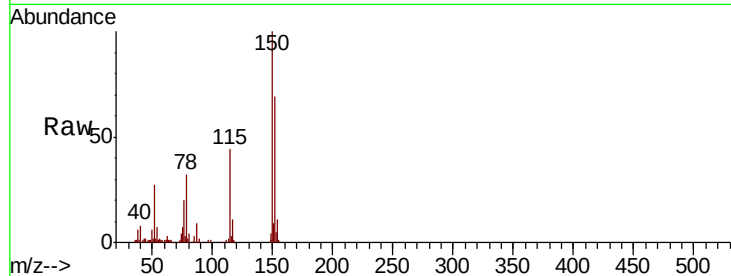


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

Instrument :
 BNA_G
 ClientSampleId :
 PB120082BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.3	120.6	180.8
115	63.2	45.1	67.7

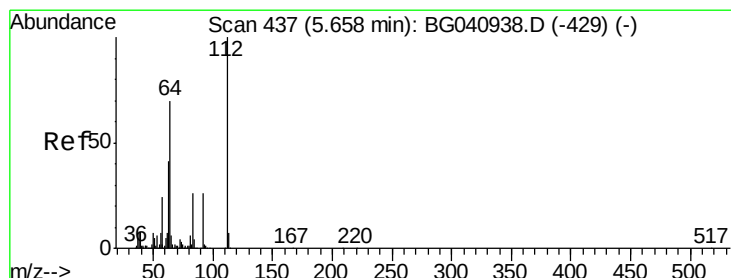
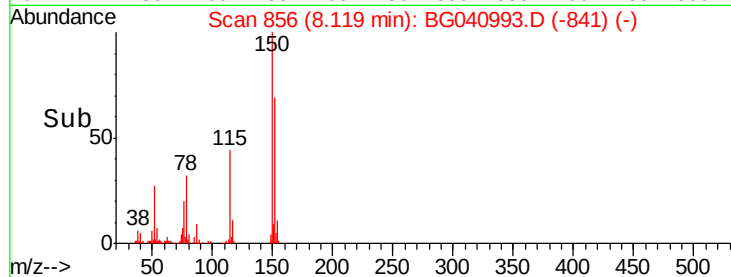
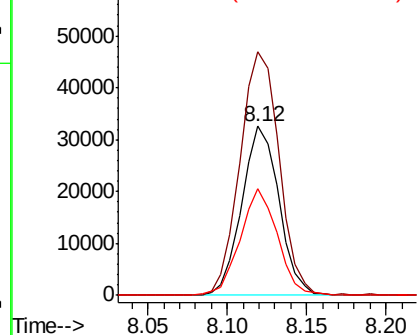


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

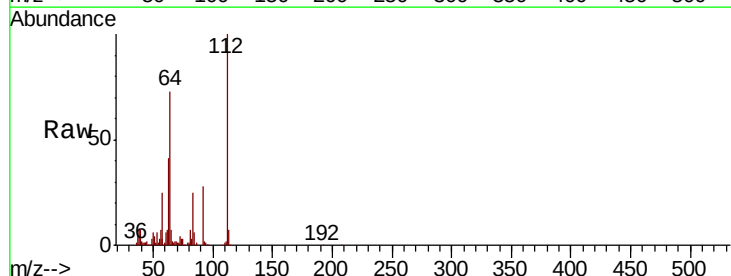
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 89.472 ng
 RT: 5.65 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	56.2	84.2
63	40.9	32.8	49.2

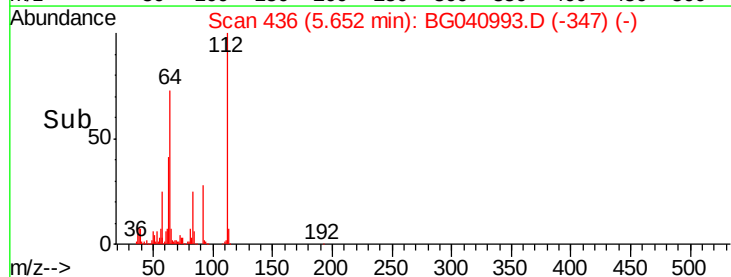
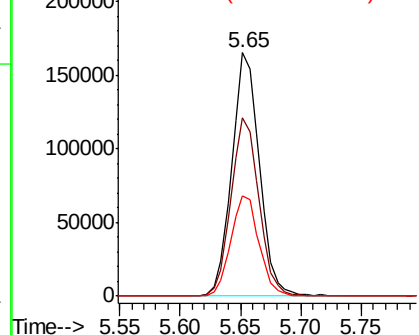


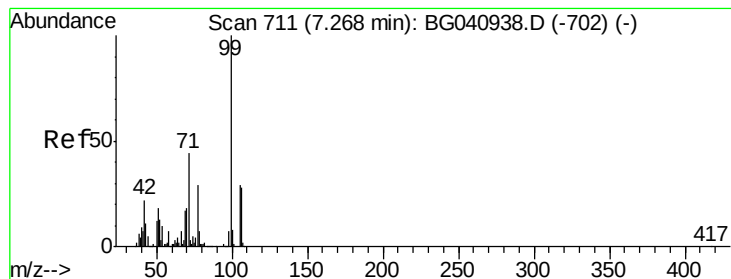
Abundance

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: 81.343 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120082BL

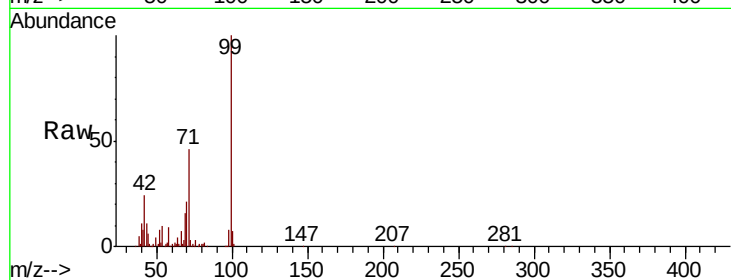
Tgt Ion: 99 Resp: 368968

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

71 46.1 35.4 53.0

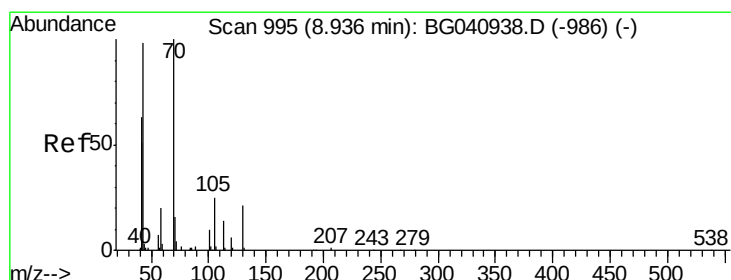
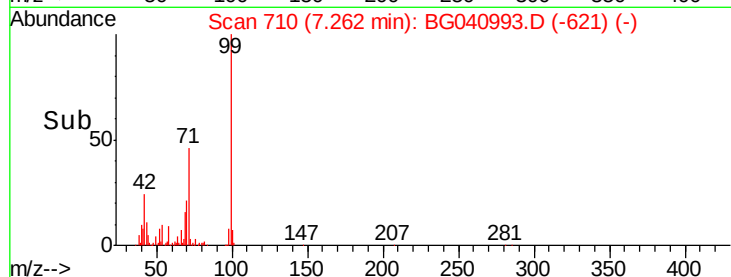
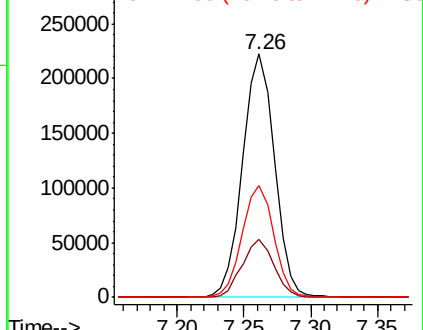


Abundance

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: 16.182 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Tgt Ion: 70 Resp: 56486

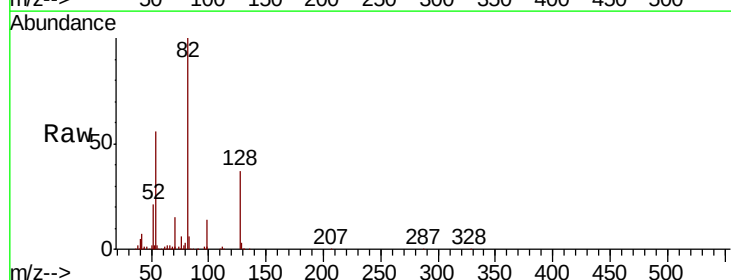
Ion Ratio Lower Upper

70 100

42 50.0 51.5 77.3#

101 0.0 8.1 12.1#

130 1.8 16.6 24.8#



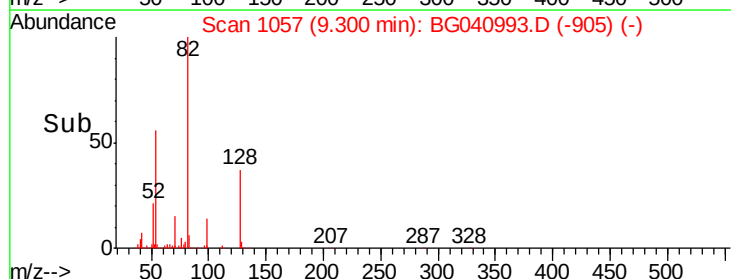
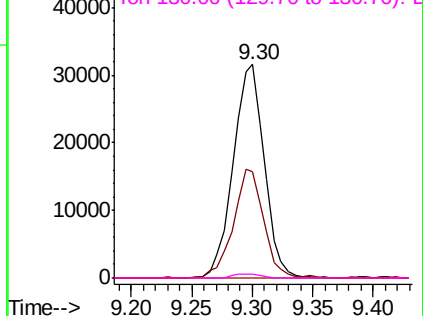
Abundance

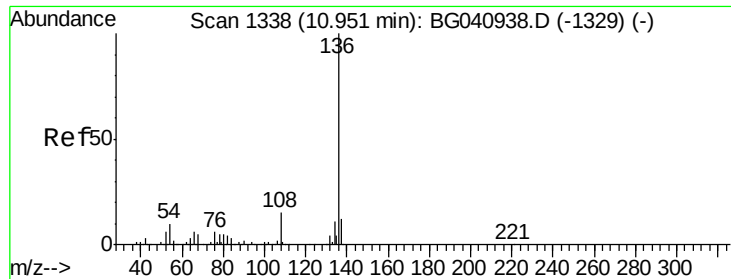
Ion 70.00 (69.70 to 70.70): BGC

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

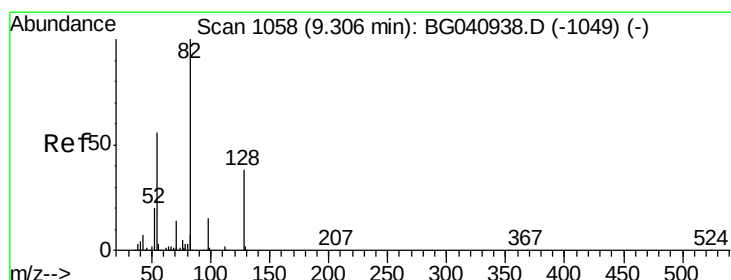
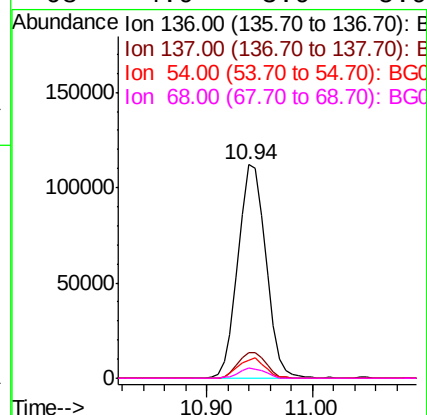
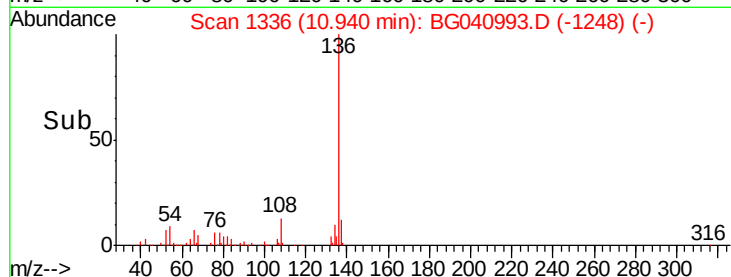
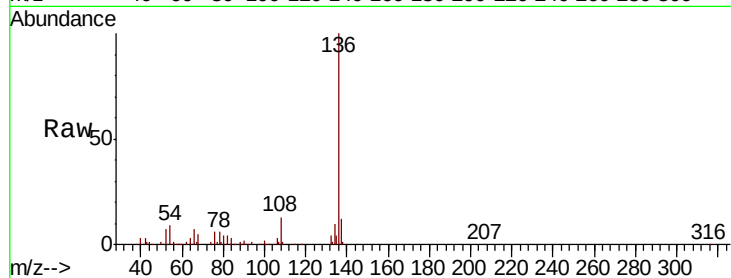




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG040993.D
Acq: 1 Jun 2019 2:13

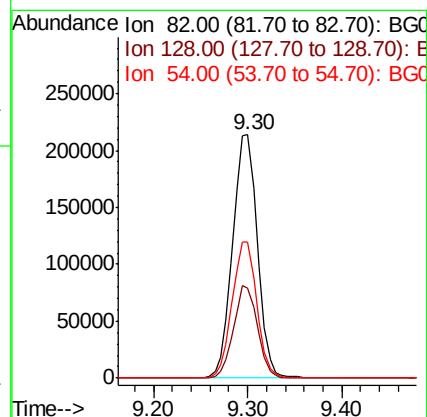
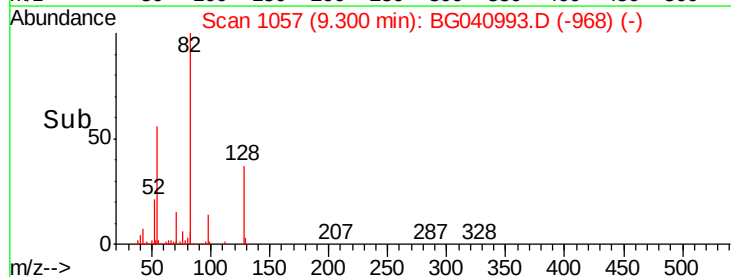
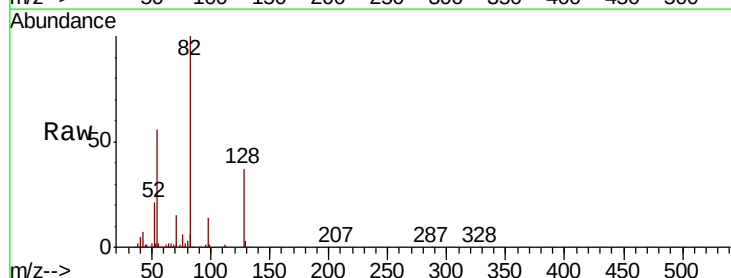
Instrument :
BNA_G
ClientSampleId :
PB120082BL

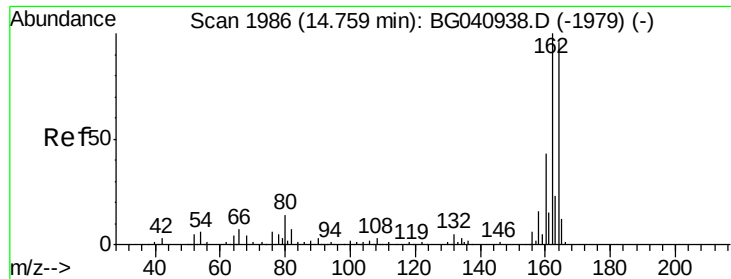
Tgt Ion:	136	Resp:	205593
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	8.7	7.6	11.4
68	4.9	3.9	5.9



#23
Nitrobenzene-d5
Concen: 84.983 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040993.D
Acq: 1 Jun 2019 2:13

Tgt Ion:	82	Resp:	393568
Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.5	45.7
54	55.7	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120082BL

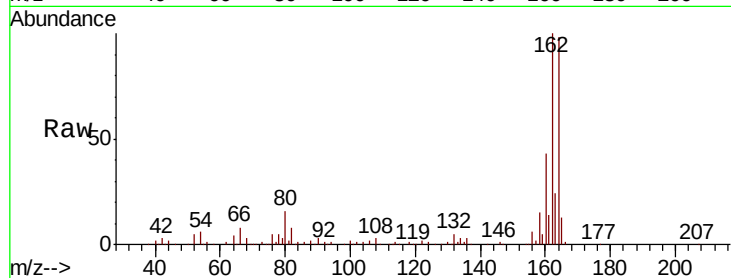
Tgt Ion:164 Resp: 148686

Ion Ratio Lower Upper

164 100

162 101.7 83.0 124.4

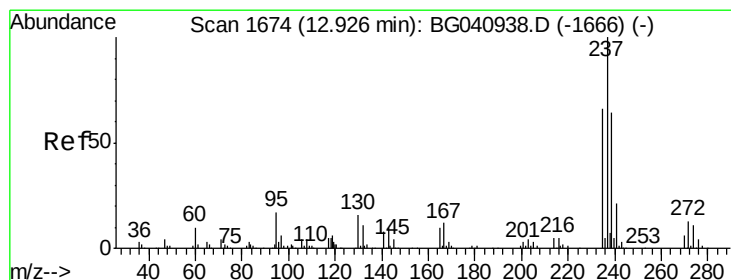
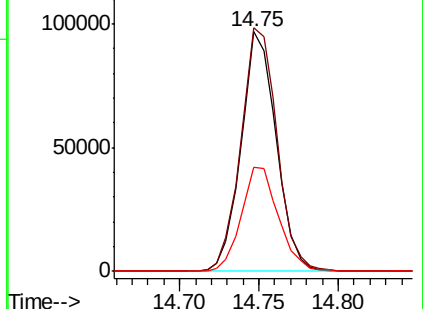
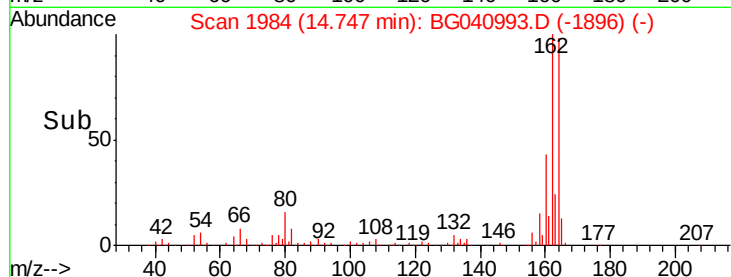
160 43.4 35.6 53.4



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: 8.253 ng

RT: 12.64 min Scan# 1626

Delta R.T. -0.28 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

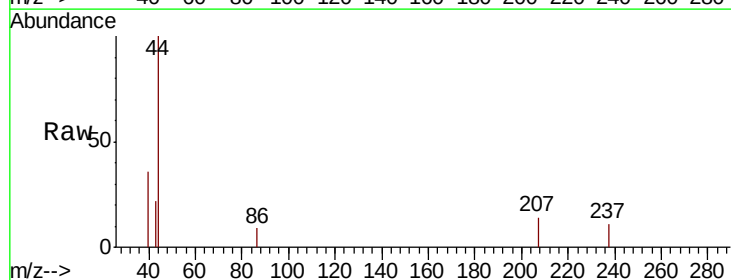
Tgt Ion:237 Resp: 65

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

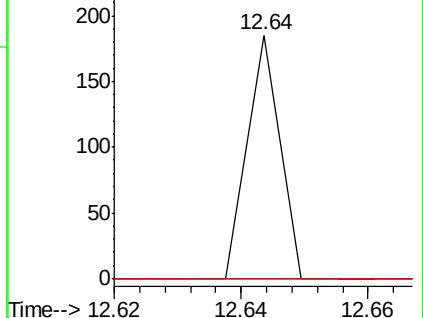
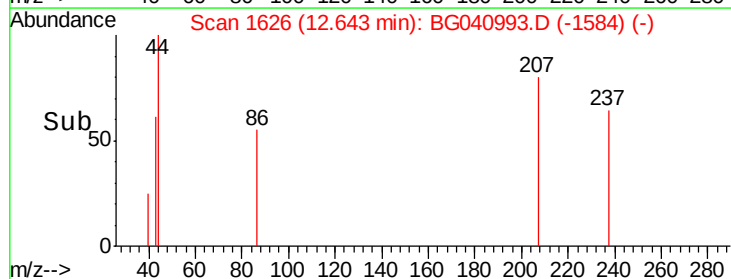
272 0.0 0.0 32.9

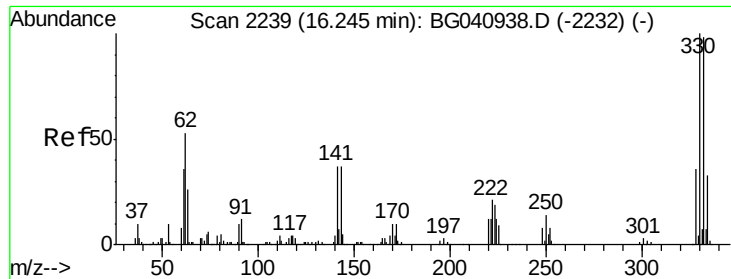


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

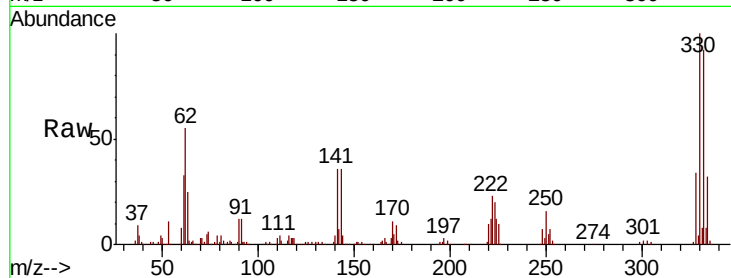




#42
 2,4,6-Tribromophenol
 Concen: 81.622 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

Instrument :
 BNA_G
 ClientSampleId :
 PB120082BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.5	117.7
141	36.0	28.7	43.1

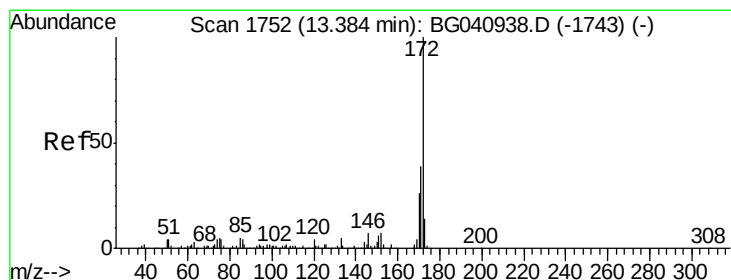
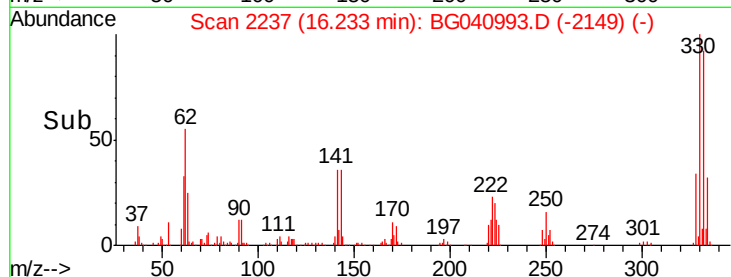
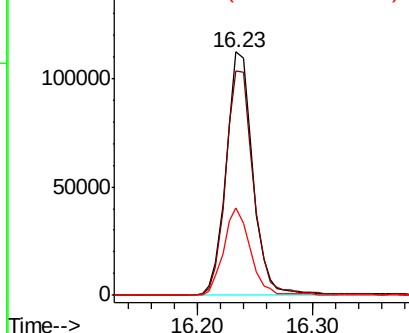


Abundance

Ion 329.80 (329.50 to 330.50): E

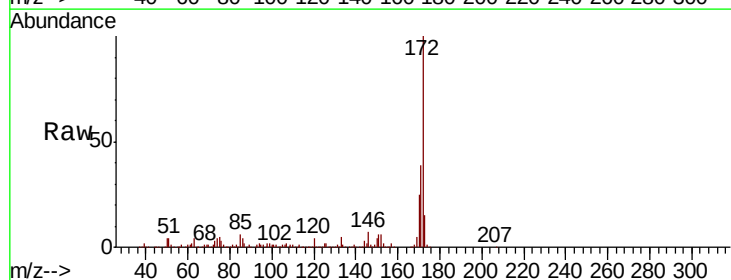
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.418 ng
 RT: 13.37 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.1	46.7
170	24.8	20.5	30.7

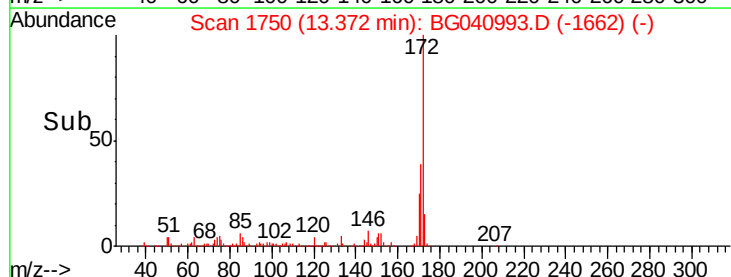
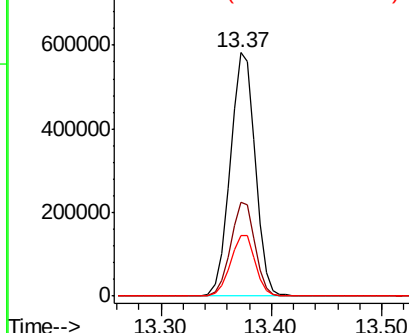


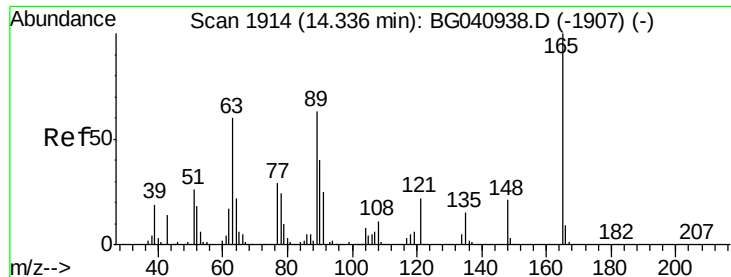
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.076 ng

RT: 14.75 min Scan# 1984

Delta R.T. 0.41 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120082BL

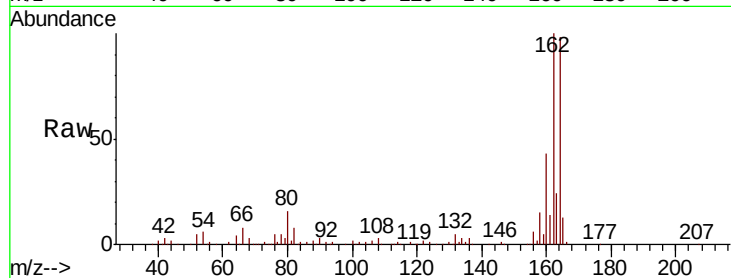
Tgt Ion:165 Resp: 19202

Ion Ratio Lower Upper

165 100

63 0.0 53.6 80.4#

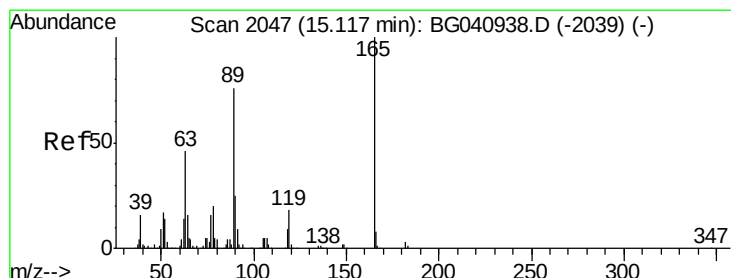
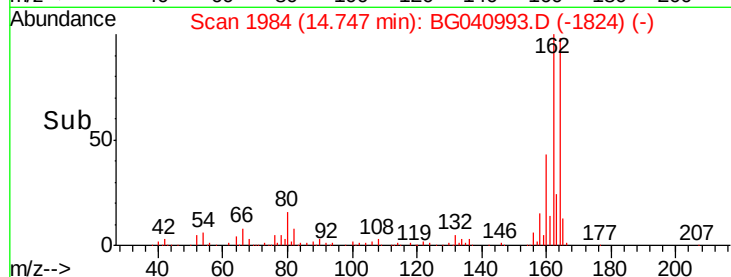
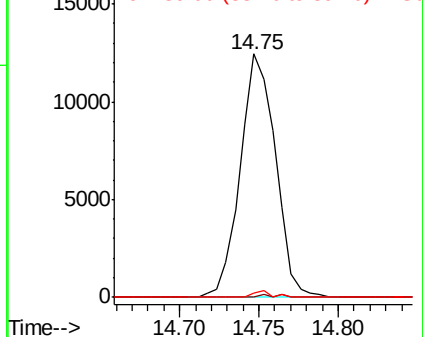
89 1.6 50.4 75.6#



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: 5.009 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Tgt Ion:165 Resp: 19202

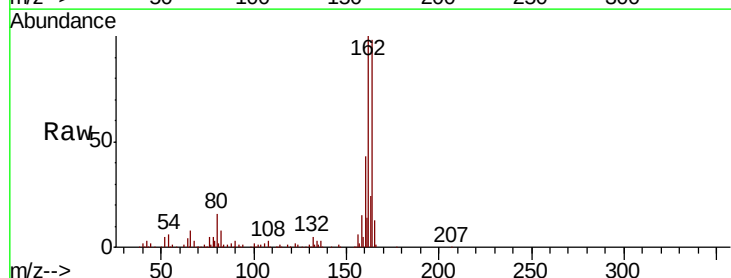
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 1.6 61.0 91.6#

182 0.0 2.2 3.2#

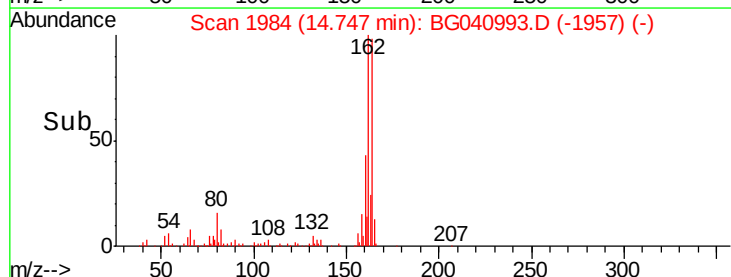
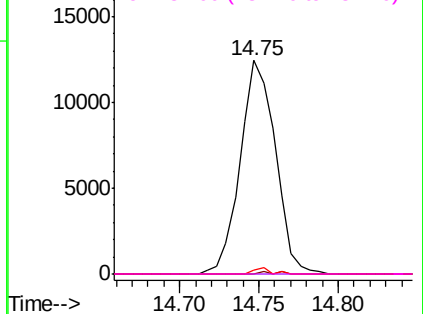


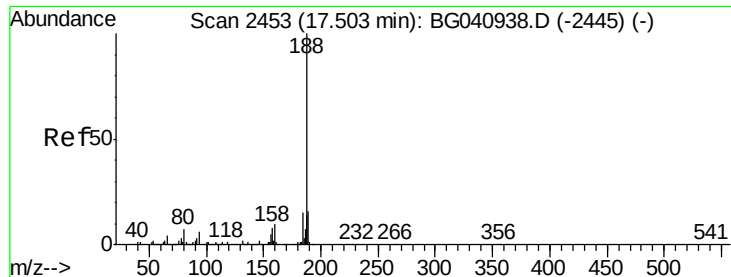
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120082BL

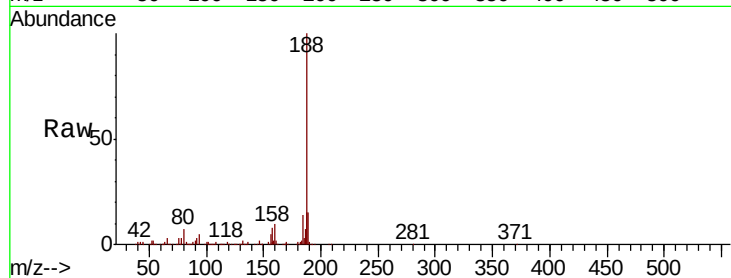
Tgt Ion:188 Resp: 391427

Ion Ratio Lower Upper

188 100

94 5.1 4.7 7.1

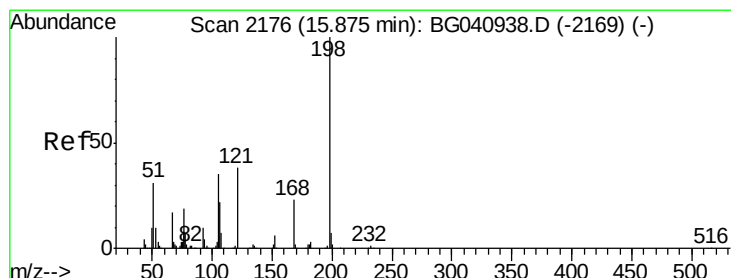
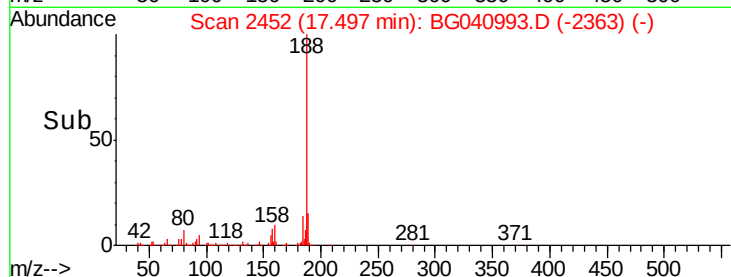
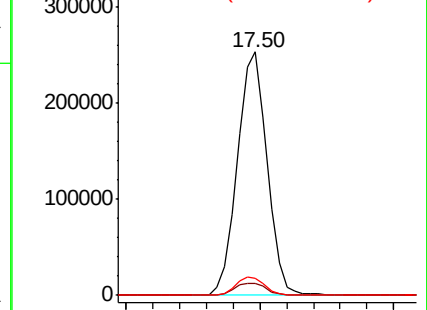
80 6.8 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.812 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

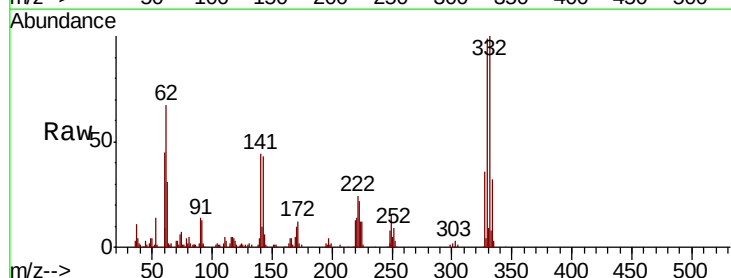
Tgt Ion:198 Resp: 567

Ion Ratio Lower Upper

198 100

51 31.6 21.6 61.6

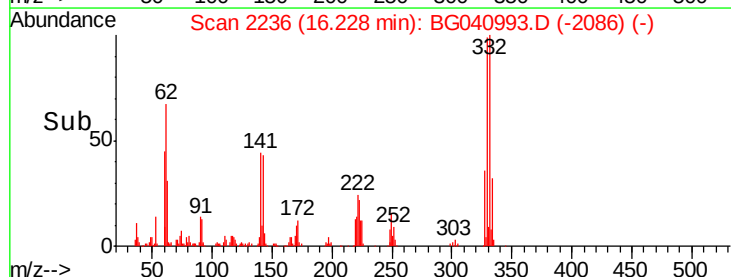
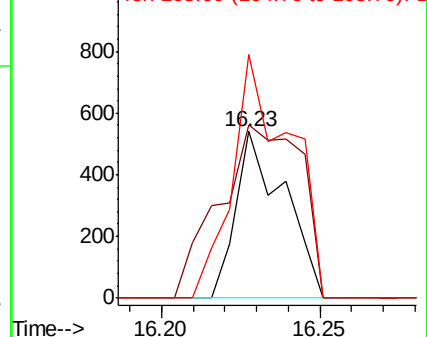
105 44.4 17.5 57.5

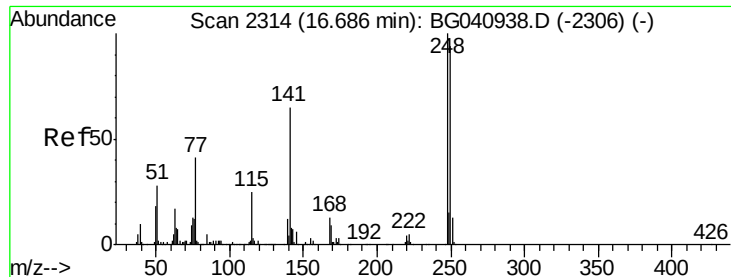


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

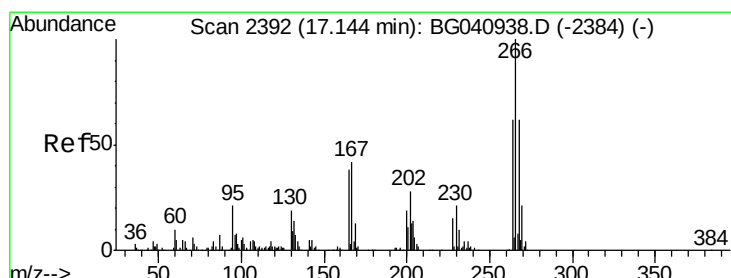
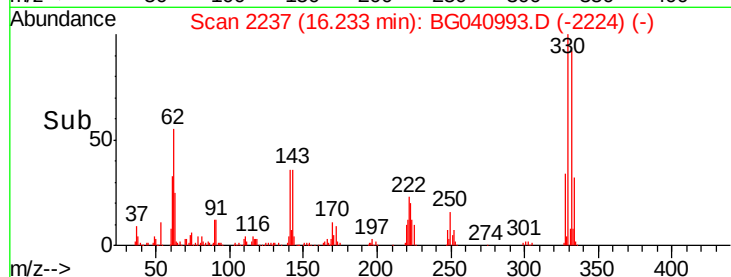
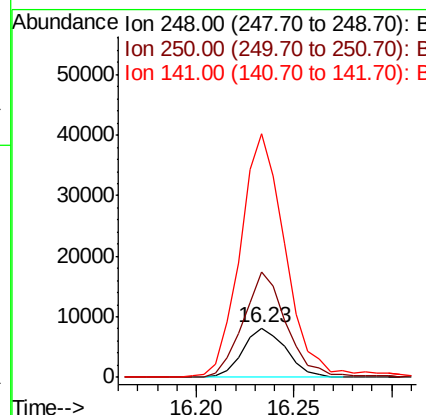
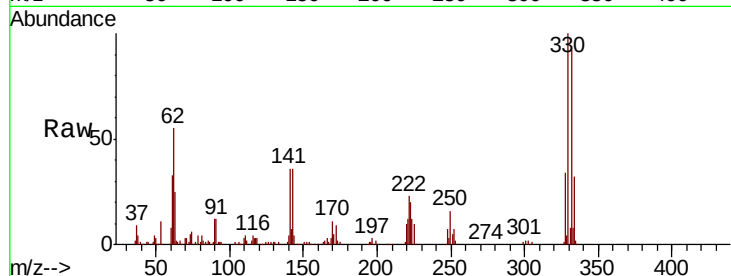




#67
 4-Bromophenyl-phenylether
 Concen: 2.340 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.45 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

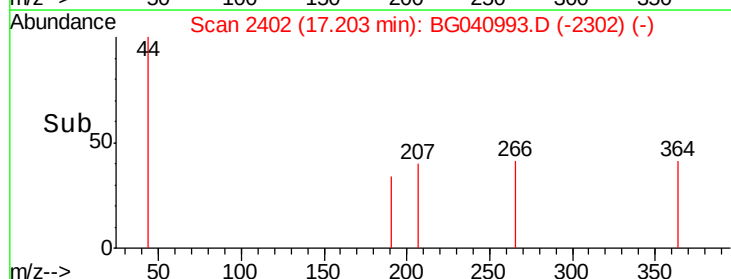
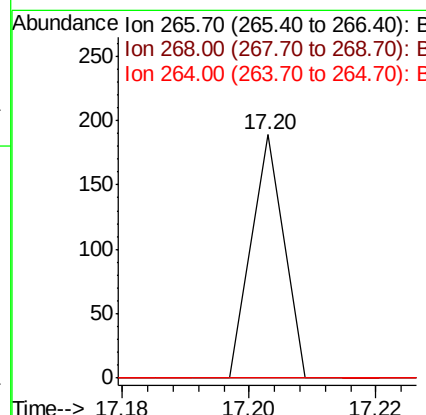
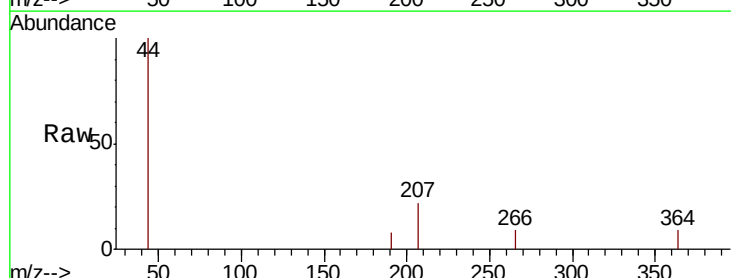
Instrument :
 BNA_G
 ClientSampleId :
 PB120082BL

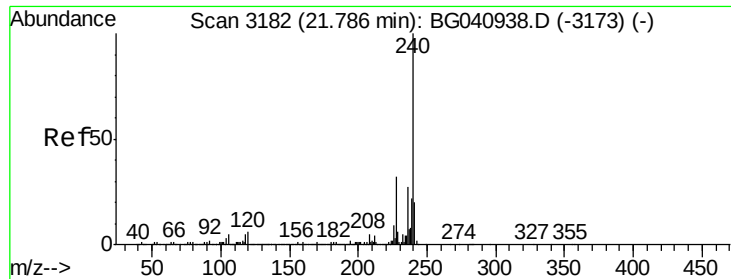
Tgt Ion:248 Resp: 12363
 Ion Ratio Lower Upper
 248 100
 250 213.0 75.0 112.4#
 141 491.8 52.4 78.6#



#70
 Pentachlorophenol
 Concen: 4.277 ng
 RT: 17.20 min Scan# 2402
 Delta R.T. 0.06 min
 Lab File: BG040993.D
 Acq: 1 Jun 2019 2:13

Tgt Ion:266 Resp: 67
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.1 79.7#
 264 0.0 49.9 74.9#

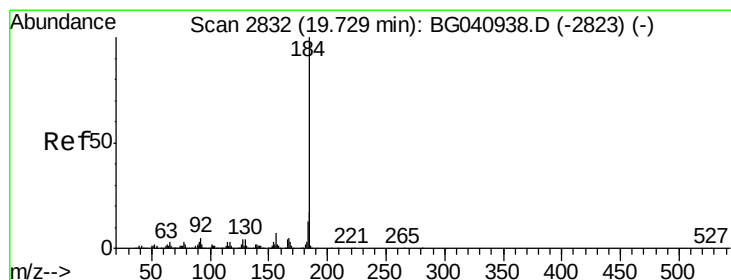
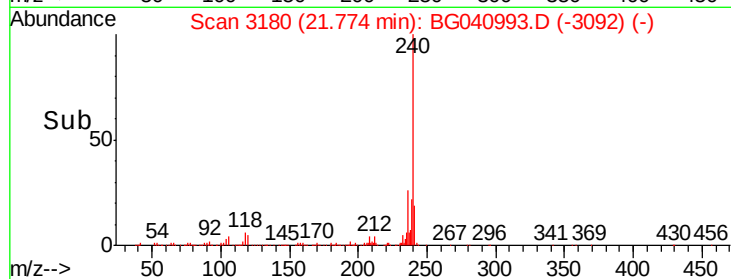
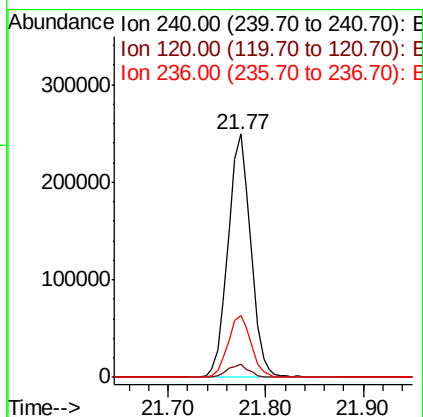
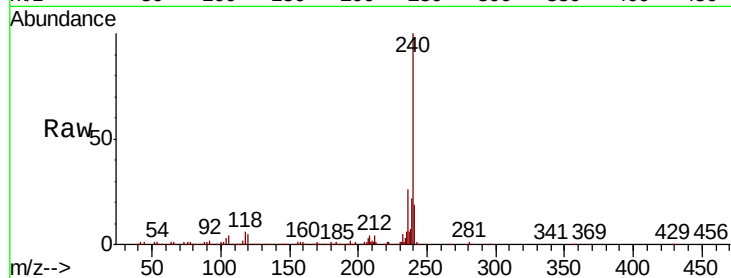




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG040993.D
Acq: 1 Jun 2019 2:13

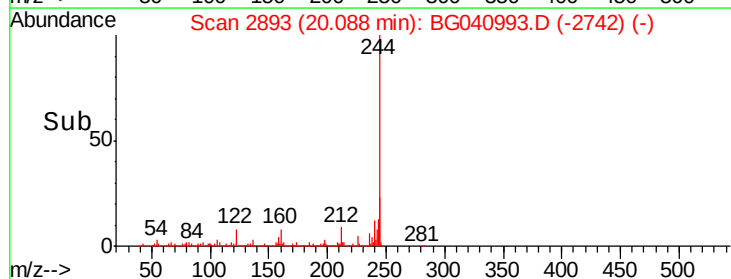
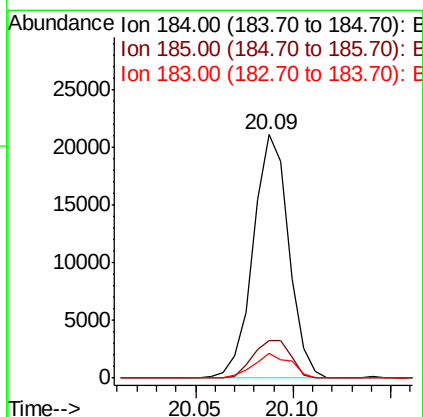
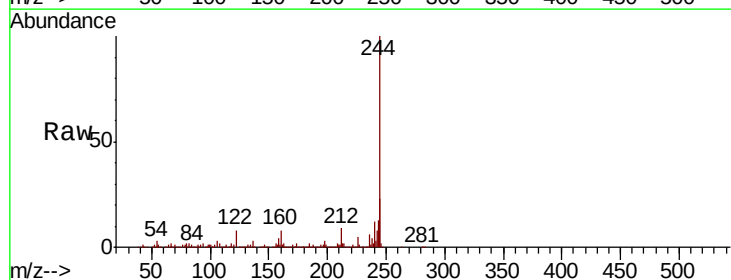
Instrument :
BNA_G
ClientSampleId :
PB120082BL

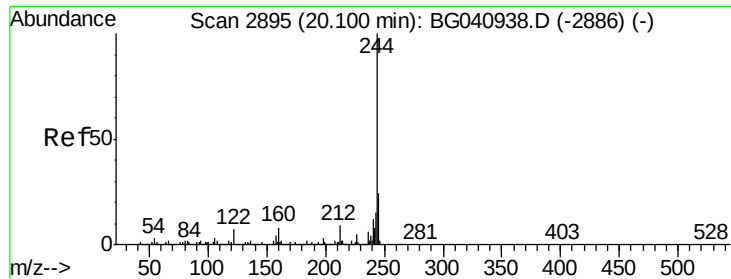
Tgt Ion:240 Resp: 405792
Ion Ratio Lower Upper
240 100
120 5.2 4.5 6.7
236 25.6 21.3 31.9



#77
Benzidine
Concen: 2.741 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.36 min
Lab File: BG040993.D
Acq: 1 Jun 2019 2:13

Tgt Ion:184 Resp: 26537
Ion Ratio Lower Upper
184 100
185 15.5 13.3 19.9
183 10.4 10.7 16.1#





#79

Terphenyl-d14

Concen: 81.854 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040993.D

Acq: 1 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120082BL

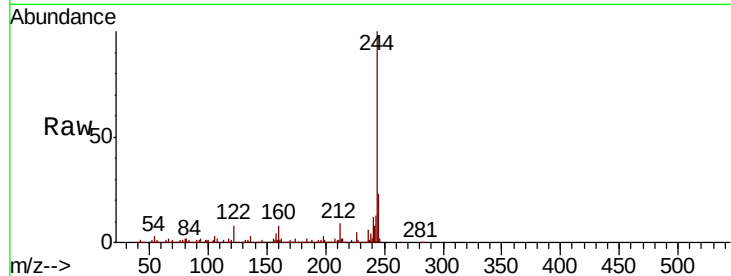
Tgt Ion:244 Resp: 1565040

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

122 7.7 5.4 8.0

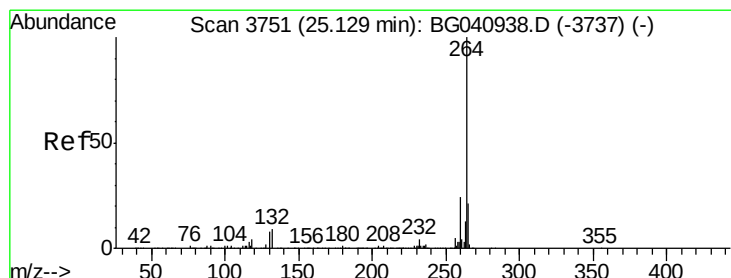
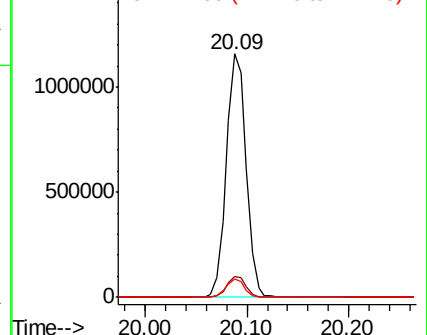
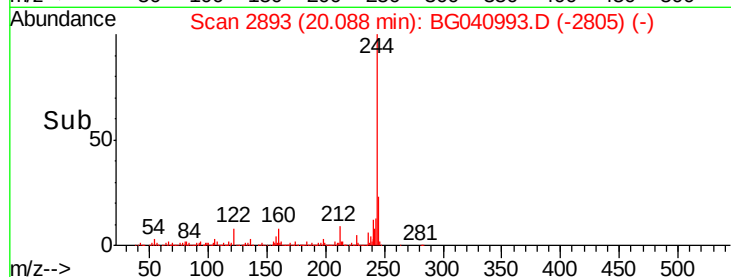


Abundance

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: BG040993.D

Acq: 1 Jun 2019 2:13

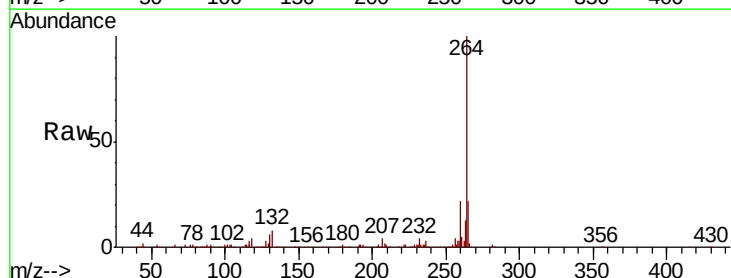
Tgt Ion:264 Resp: 419240

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

265 21.9 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

