

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040998.D
 Acq On : 1 Jun 2019 5:23
 Operator : HP/JU
 Sample : PB1120082BL
 Misc : LOQ-MDL-WATER-20PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120099BL

Quant Time: Jun 01 06:29:27 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	57365	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	224824	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	169496	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	450185	20.00	ng	0.00
76) Chrysene-d12	21.77	240	450655	20.00	ng	-0.01
87) Perylene-d12	25.11	264	463954	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	391198	122.97	ng	0.00
7) Phenol-d6	7.27	99	571026	116.22	ng	0.00
23) Nitrobenzene-d5	9.30	82	389781	76.97	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	301337	119.75	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	951042	80.80	ng	0.00
79) Terphenyl-d14	20.09	244	1729587	81.45	ng	0.00

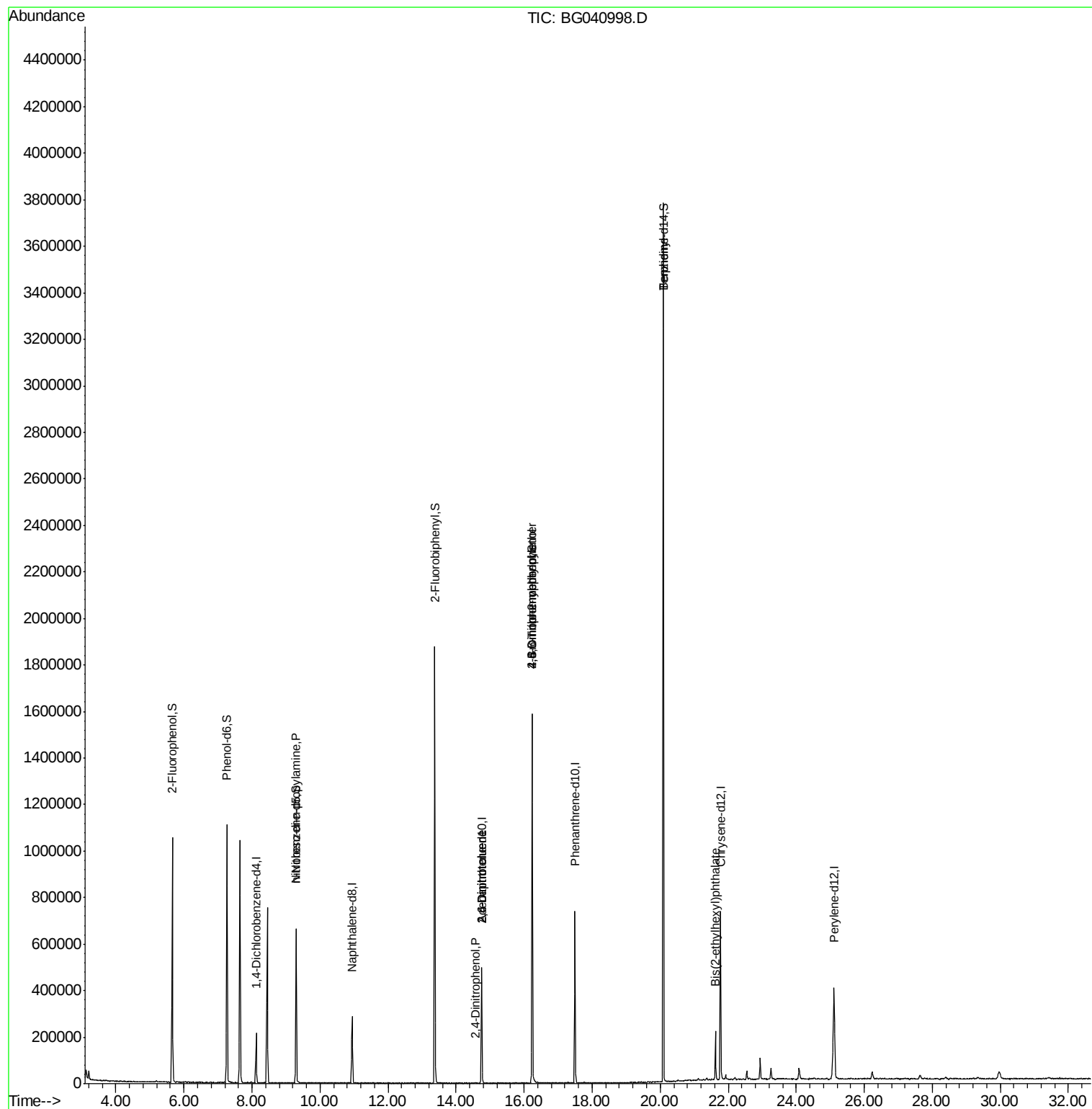
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	55140	14.584	ng	# 75
51) 2,6-Dinitrotoluene	14.75	165	22208	7.179	ng	# 20
54) 2,4-Dinitrophenol	14.57	184	58	8.296	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22208	5.082	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	810	8.865	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	22327	3.675	ng	# 1
77) Benzidine	20.09	184	30323	2.821	ng	# 96
84) Bis(2-ethylhexyl)phthalate	21.62	149	83407	5.197	ng	96

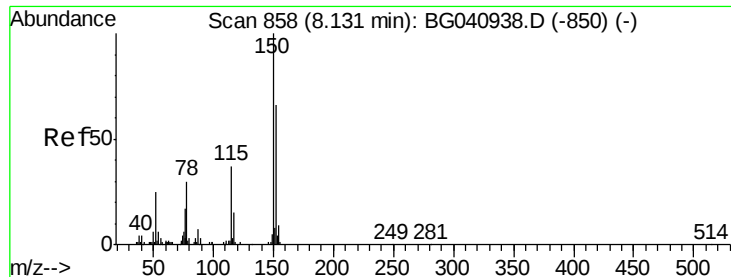
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

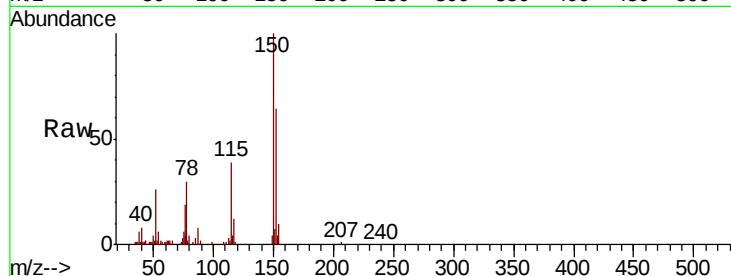
Tgt Ion:152 Resp: 57365

Ion Ratio Lower Upper

152 100

150 157.0 120.6 180.8

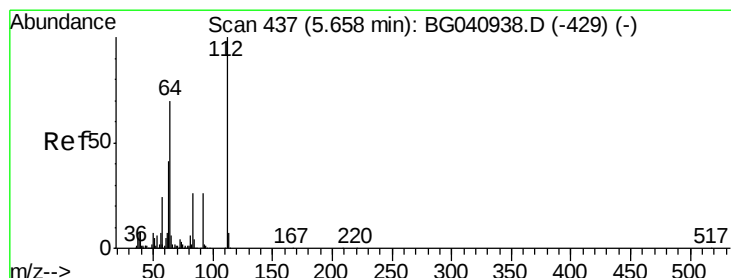
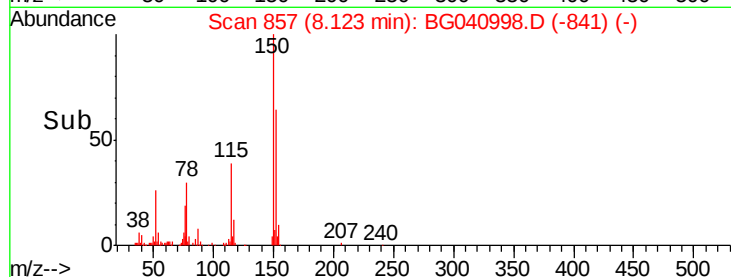
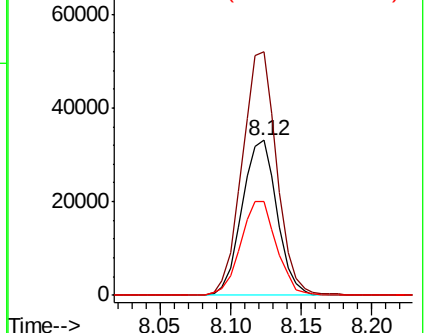
115 60.6 45.1 67.7



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: 122.969 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

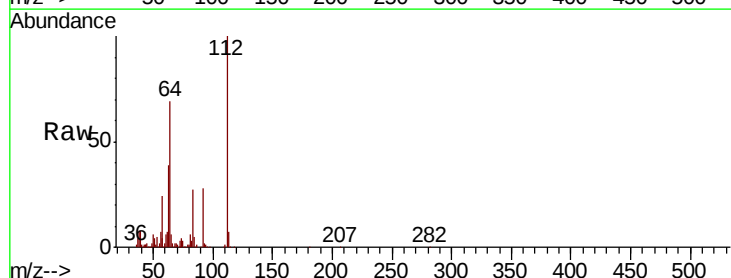
Tgt Ion:112 Resp: 391198

Ion Ratio Lower Upper

112 100

64 69.1 56.2 84.2

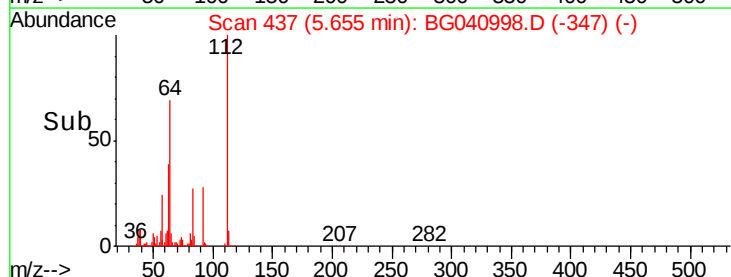
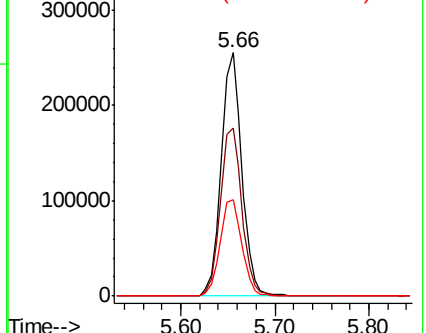
63 39.4 32.8 49.2

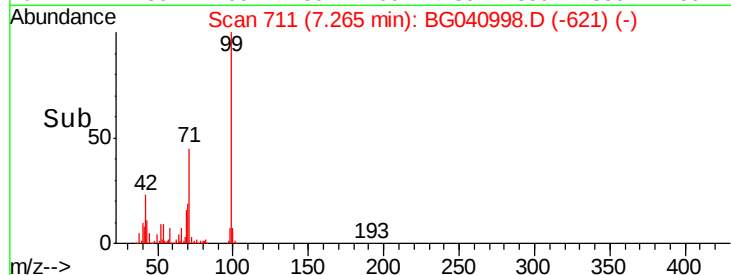
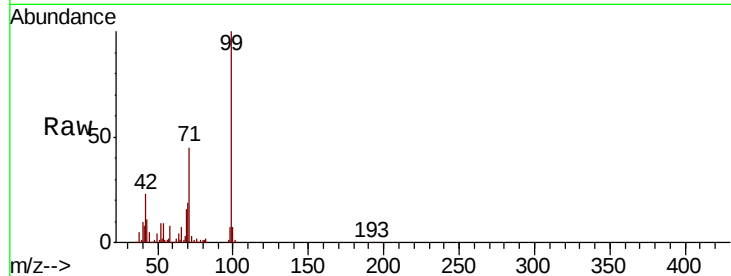
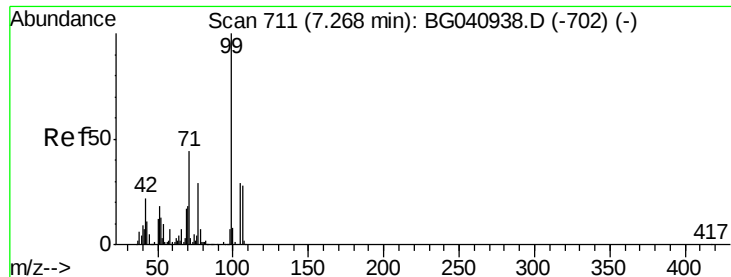


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.224 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

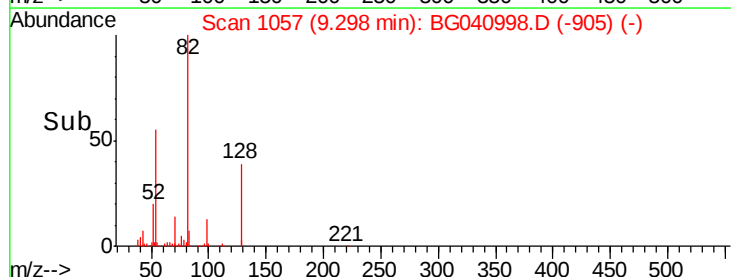
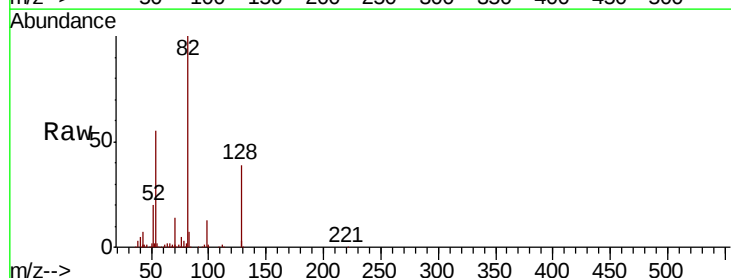
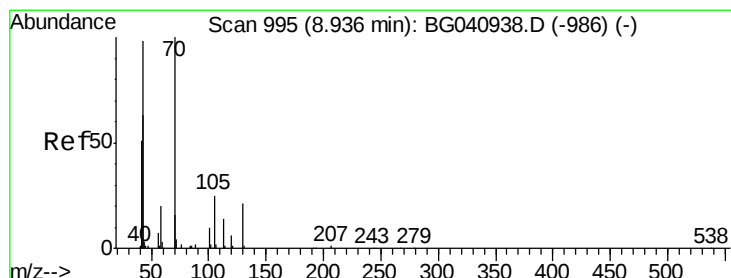
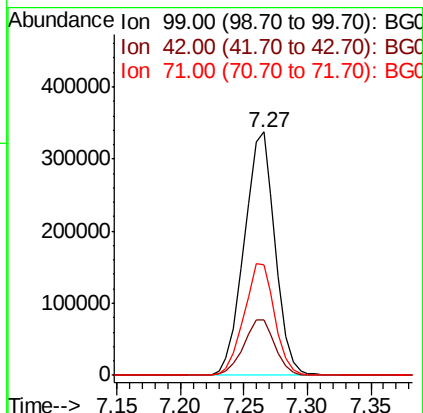
Tgt Ion: 99 Resp: 571026

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 45.3 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.584 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Tgt Ion: 70 Resp: 55140

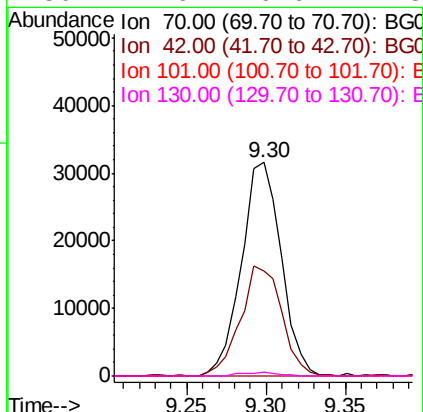
Ion Ratio Lower Upper

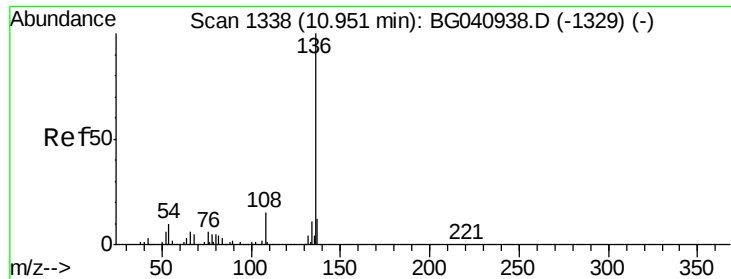
70 100

42 49.3 51.5 77.3#

101 0.0 8.1 12.1#

130 1.6 16.6 24.8#

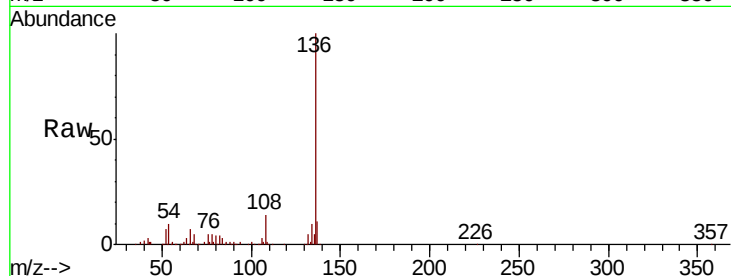




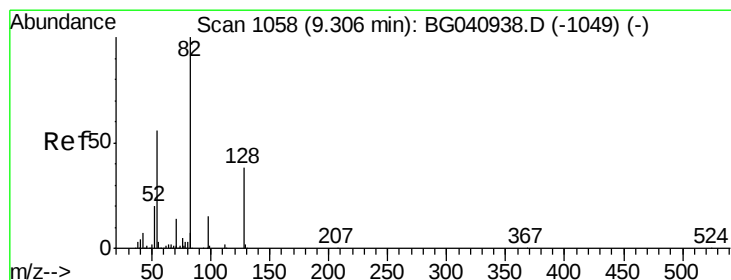
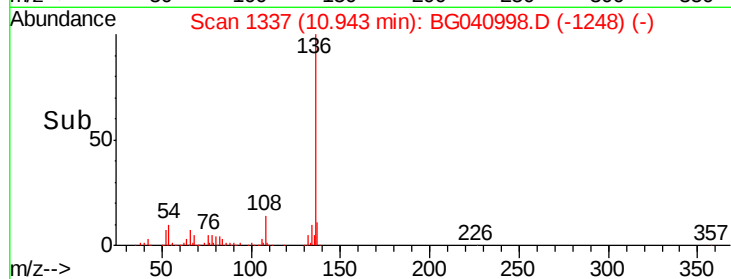
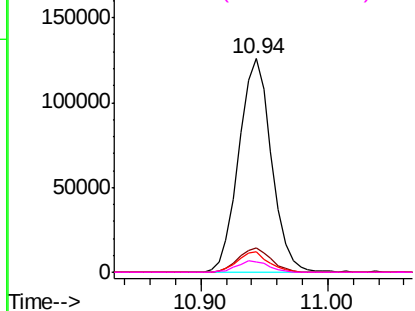
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040998.D
Acq: 1 Jun 2019 5:23

Instrument :
BNA_G
ClientSampleId :
PB120099BL

Tgt Ion:	136	Resp:	224824
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	9.5	7.6	11.4
68	5.0	3.9	5.9

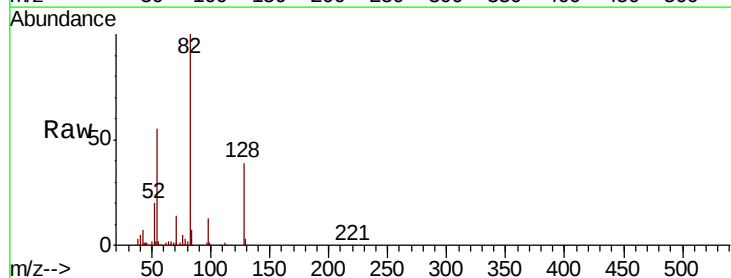


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

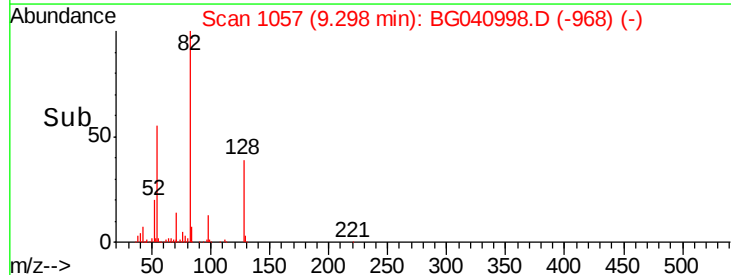
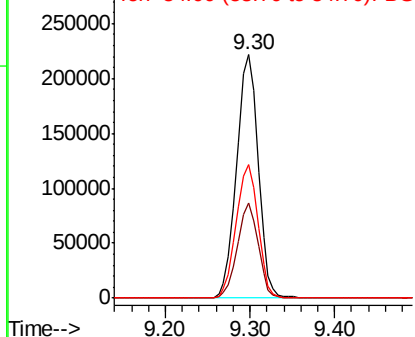


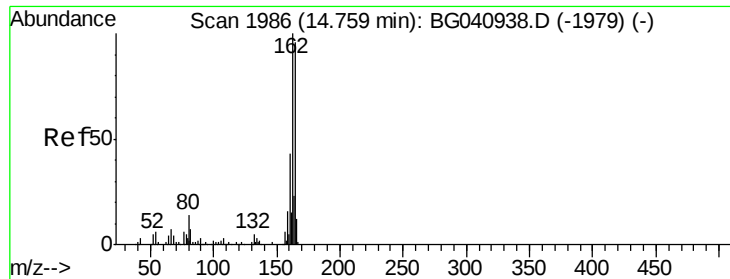
#23
Nitrobenzene-d5
Concen: 76.966 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040998.D
Acq: 1 Jun 2019 5:23

Tgt Ion:	82	Resp:	389781
Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.5	45.7
54	55.1	44.6	66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

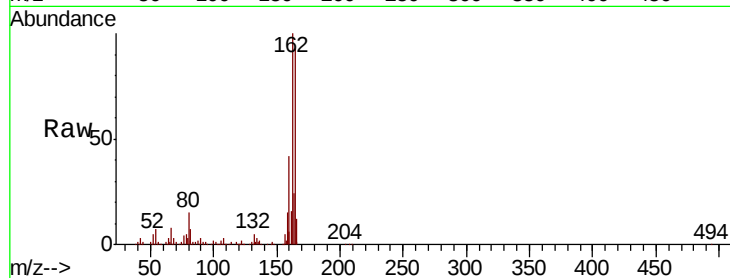
Tgt Ion:164 Resp: 169496

Ion Ratio Lower Upper

164 100

162 107.2 83.0 124.4

160 45.6 35.6 53.4

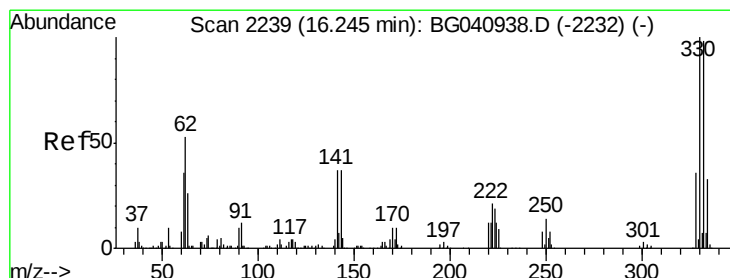
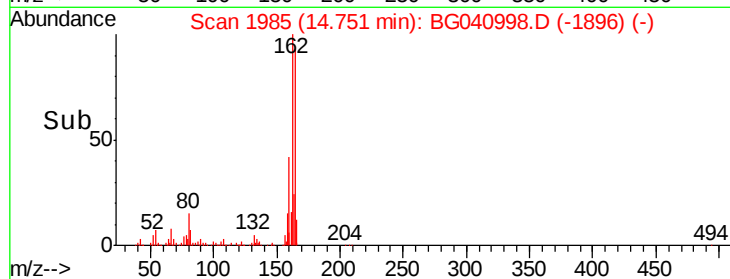
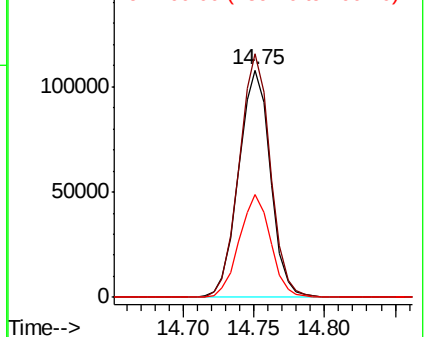


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 119.755 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

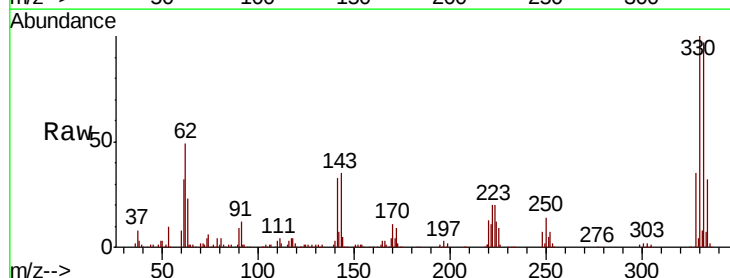
Tgt Ion:330 Resp: 301337

Ion Ratio Lower Upper

330 100

332 95.9 78.5 117.7

141 35.7 28.7 43.1

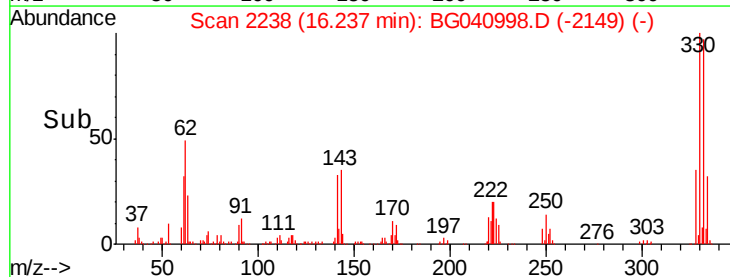
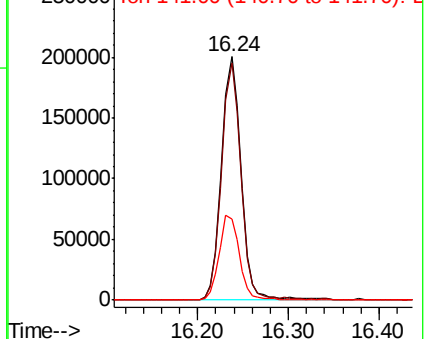


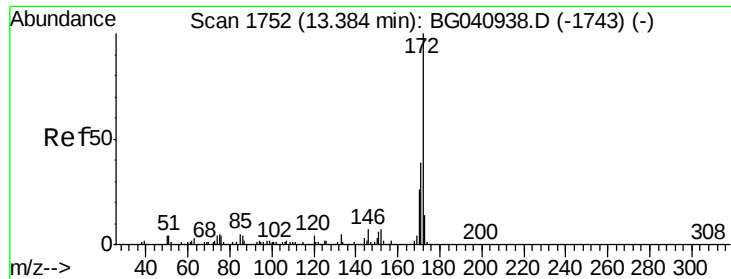
Abundance

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

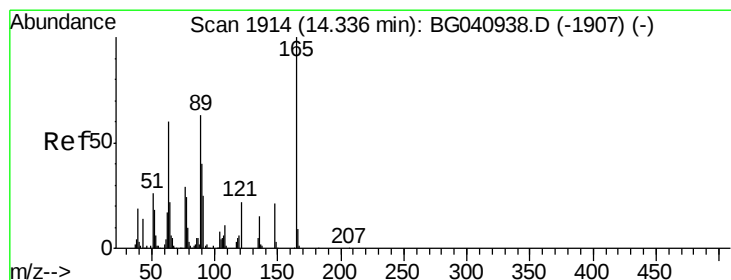
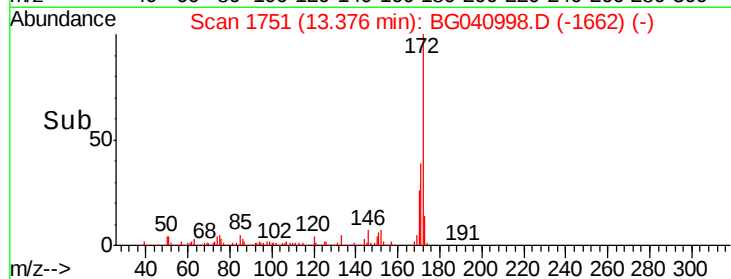
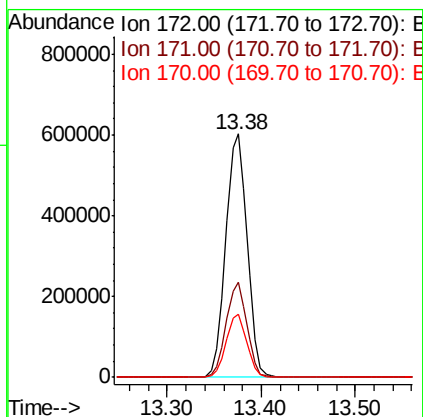
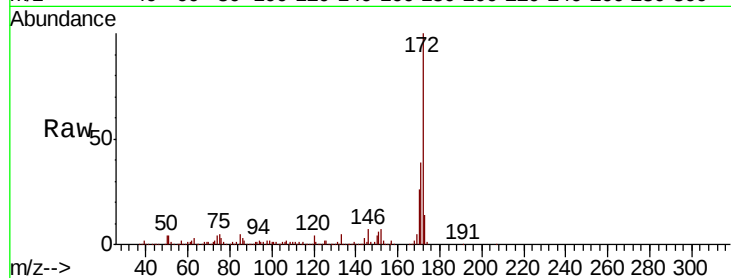




#45
 2-Fluorobiphenyl
 Concen: 80.804 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040998.D
 Acq: 1 Jun 2019 5:23

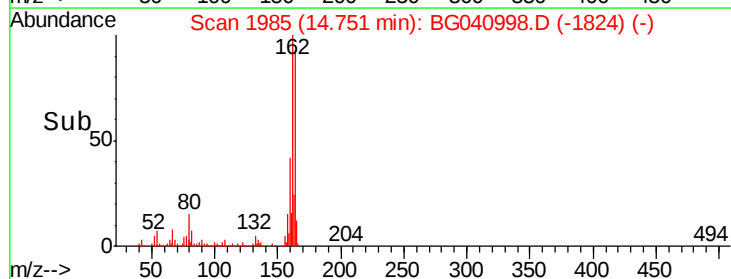
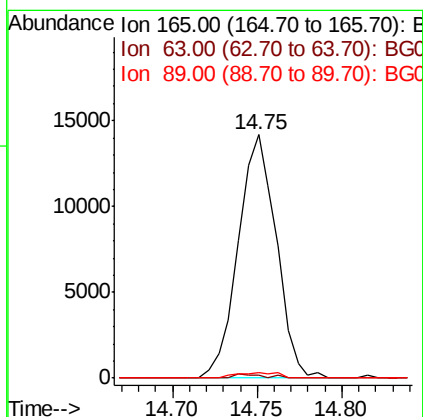
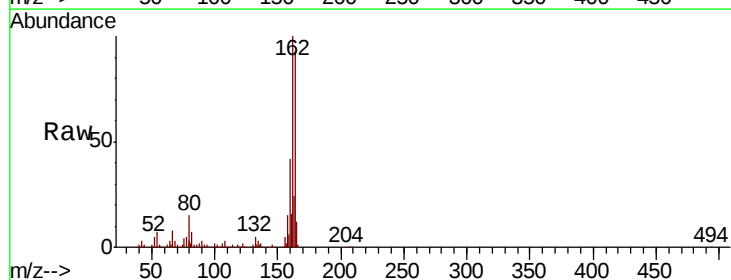
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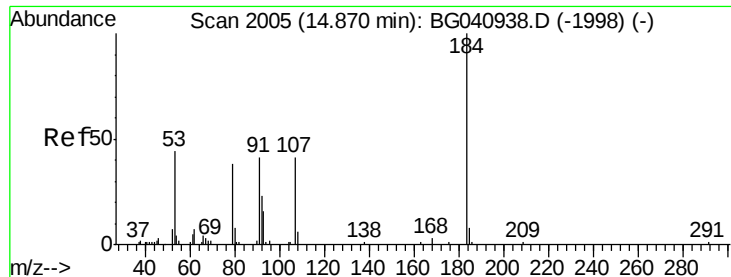
Tgt Ion:	172	Resp:	951042
Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.1	46.7
170	25.8	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.179 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. 0.41 min
 Lab File: BG040998.D
 Acq: 1 Jun 2019 5:23

Tgt Ion:	165	Resp:	22208
Ion	Ratio	Lower	Upper
165	100		
63	1.2	53.6	80.4#
89	2.0	50.4	75.6#

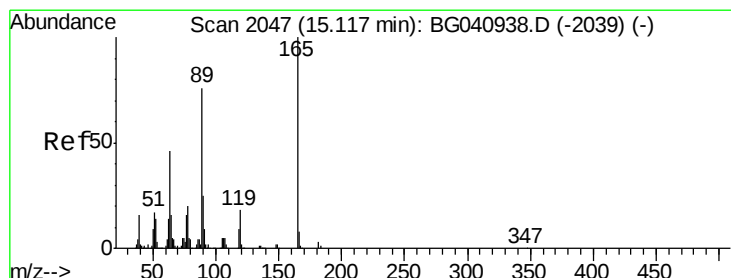
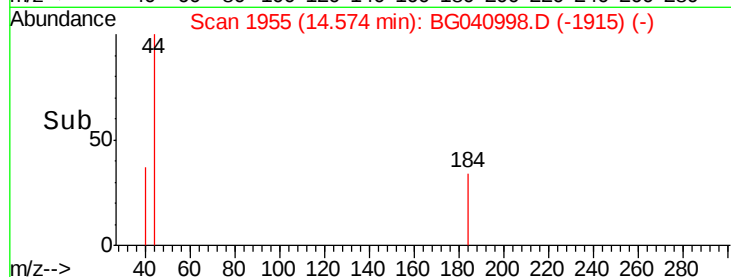
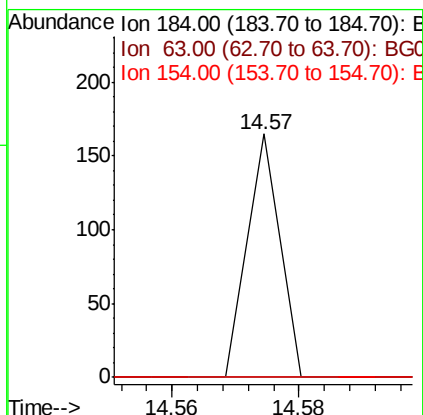
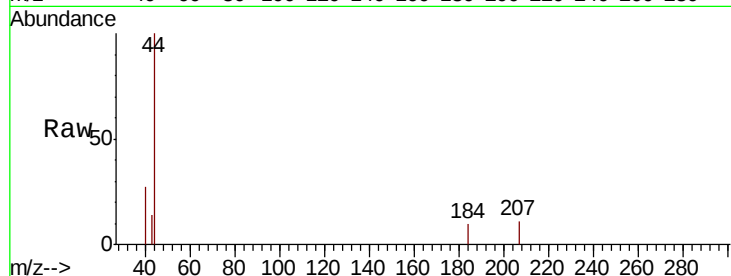




#54
2,4-Dinitrophenol
Concen: 8.296 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.30 min
Lab File: BG040998.D
Acq: 1 Jun 2019 5:23

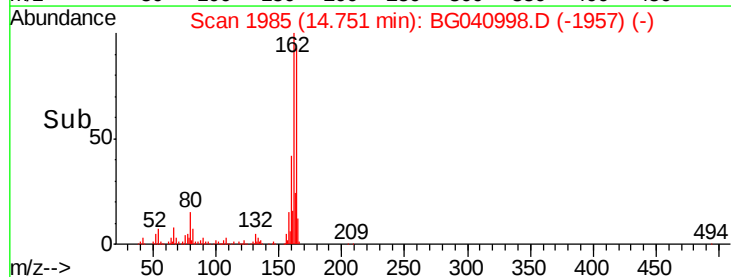
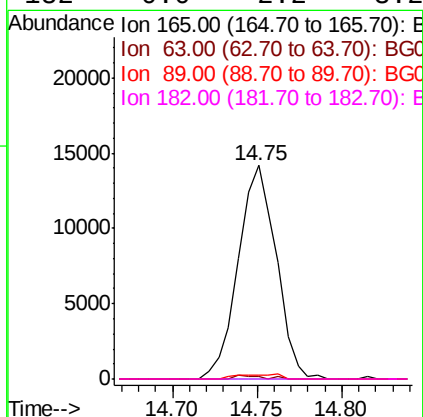
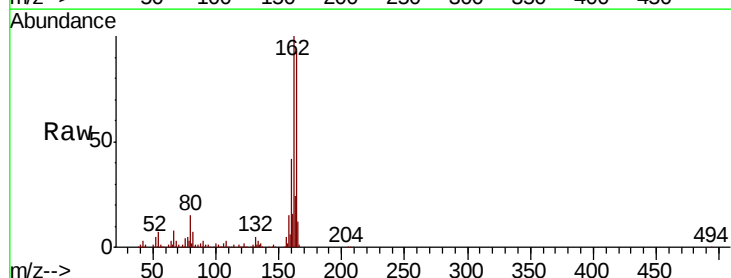
Instrument :
BNA_G
ClientSampleId :
PB120099BL

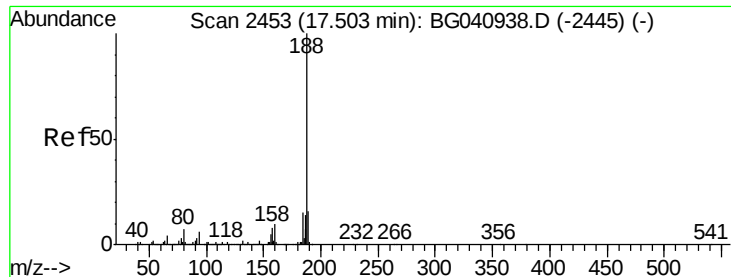
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 0.0 52.2 78.4#



#57
2,4-Dinitrotoluene
Concen: 5.082 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040998.D
Acq: 1 Jun 2019 5:23

Tgt Ion:165 Resp: 22208
Ion Ratio Lower Upper
165 100
63 1.2 37.3 55.9#
89 2.0 61.0 91.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

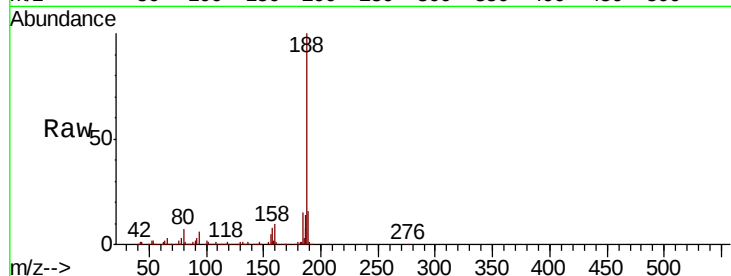
Tgt Ion:188 Resp: 450185

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

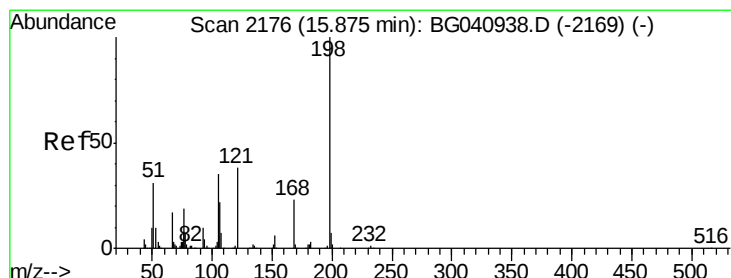
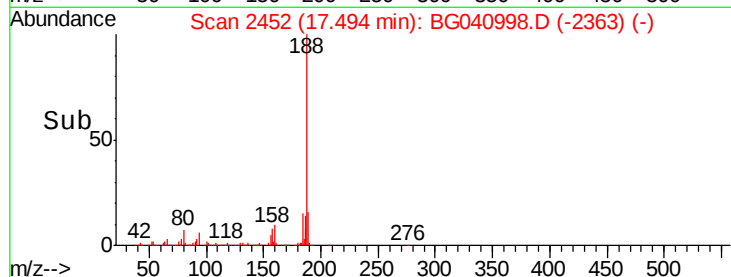
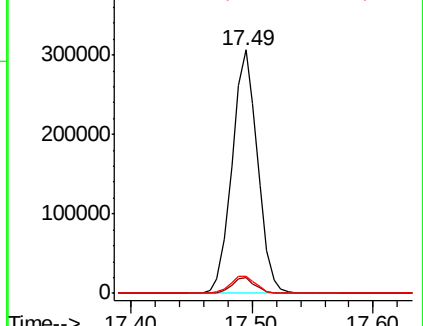
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.865 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

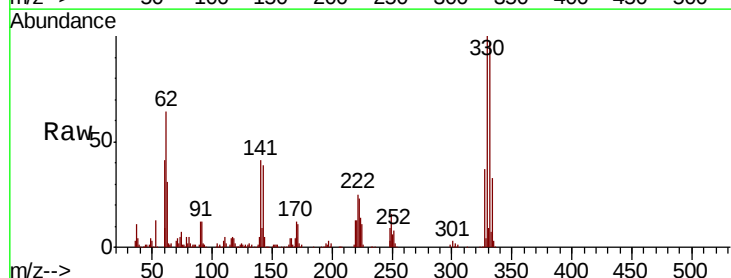
Tgt Ion:198 Resp: 810

Ion Ratio Lower Upper

198 100

51 100.0 21.6 61.6#

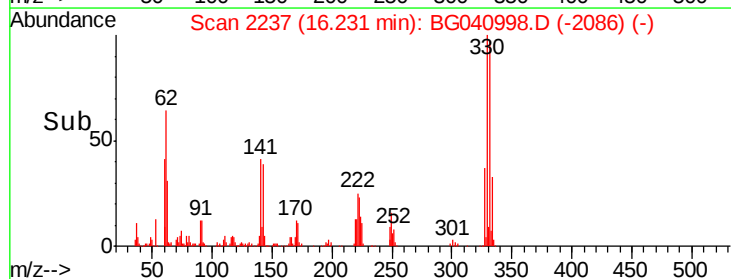
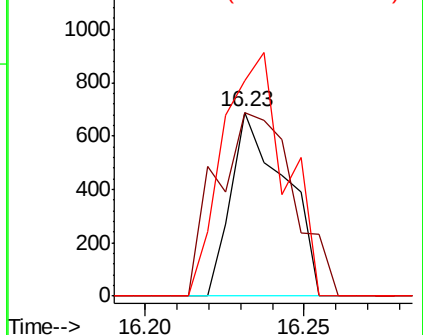
105 117.4 17.5 57.5#

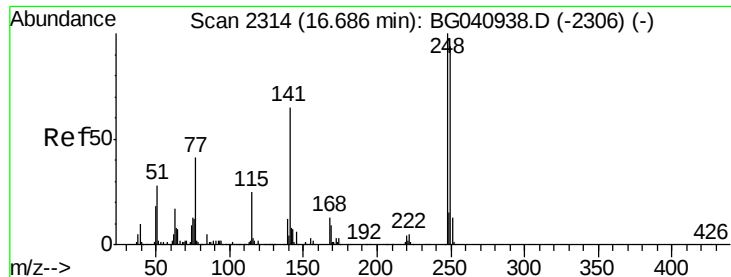


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

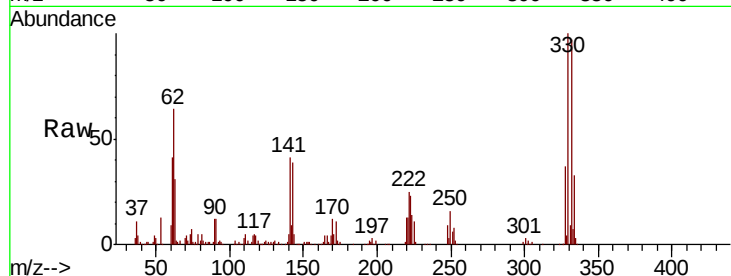




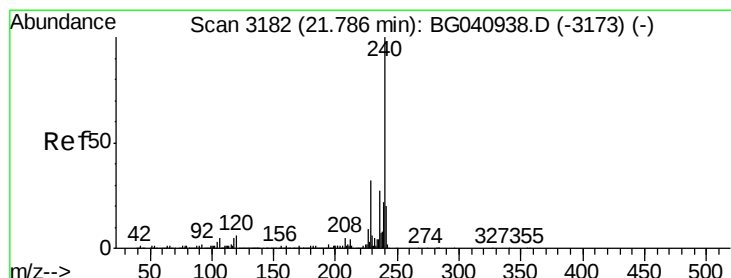
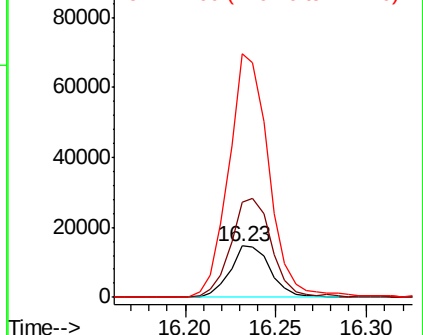
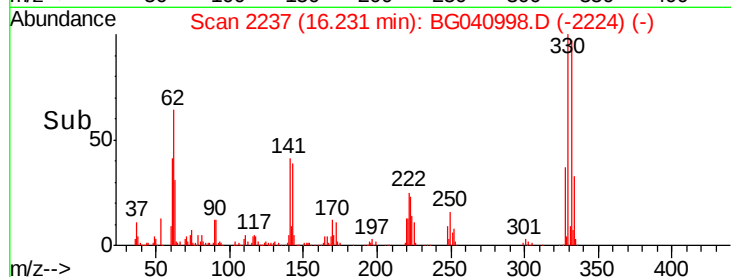
#67
 4-Bromophenyl-phenylether
 Concen: 3.675 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.45 min
 Lab File: BG040998.D
 Acq: 1 Jun 2019 5:23

Instrument :
 BNA_G
 ClientSampleId :
 PB120099BL

Tgt Ion:248 Resp: 22327
 Ion Ratio Lower Upper
 248 100
 250 185.1 75.0 112.4#
 141 475.9 52.4 78.6#

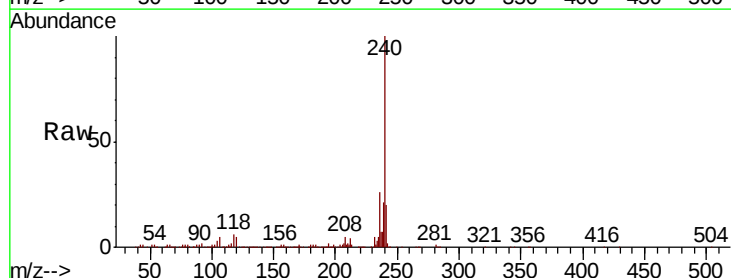


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

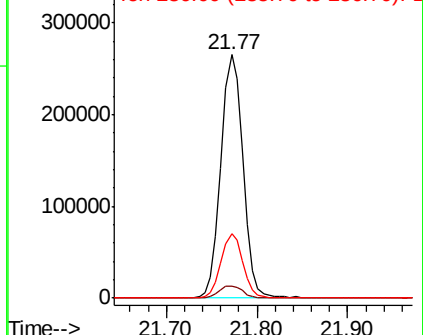
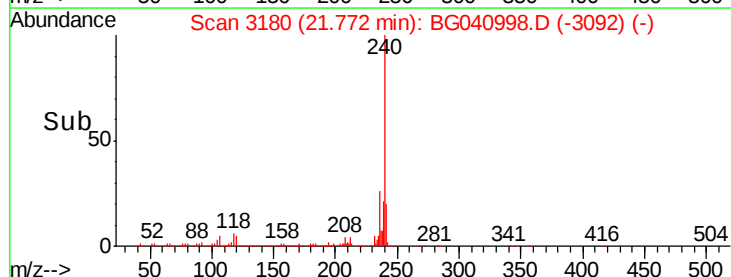


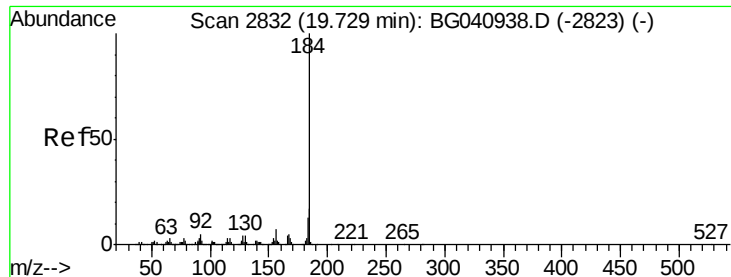
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG040998.D
 Acq: 1 Jun 2019 5:23

Tgt Ion:240 Resp: 450655
 Ion Ratio Lower Upper
 240 100
 120 4.8 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: 2.821 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

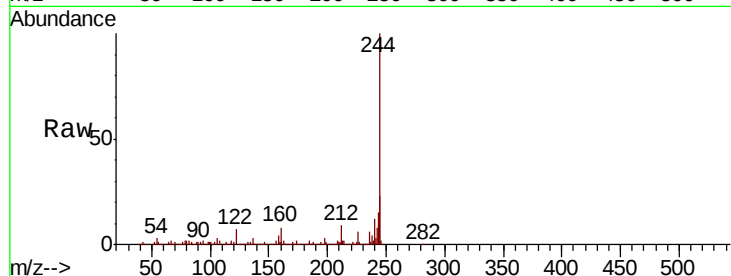
Tgt Ion:184 Resp: 30323

Ion Ratio Lower Upper

184 100

185 16.8 13.3 19.9

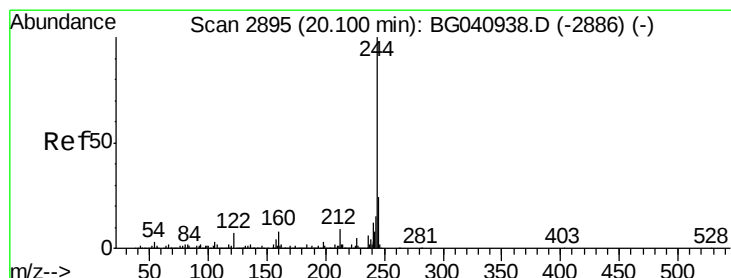
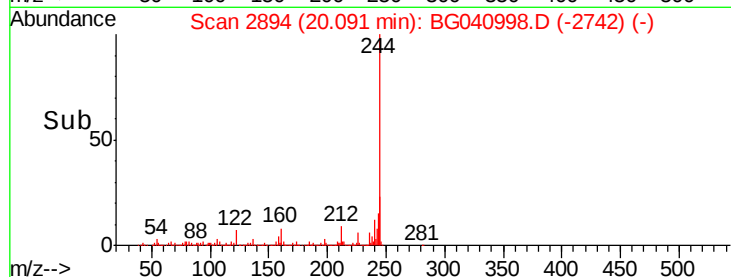
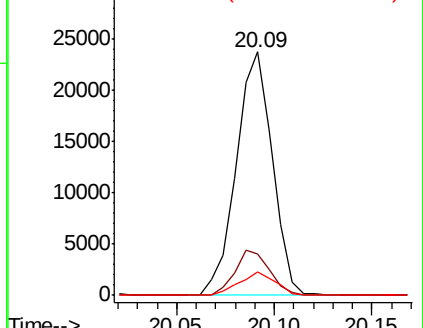
183 9.9 10.7 16.1#



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: 81.454 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

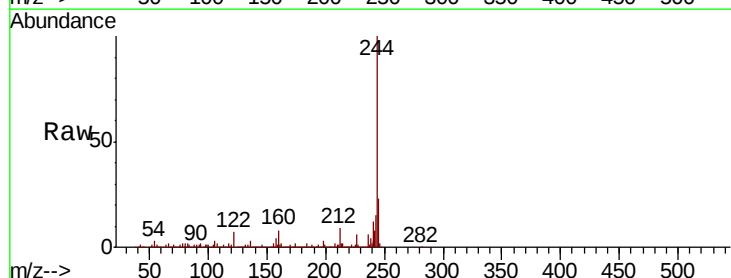
Tgt Ion:244 Resp: 1729587

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

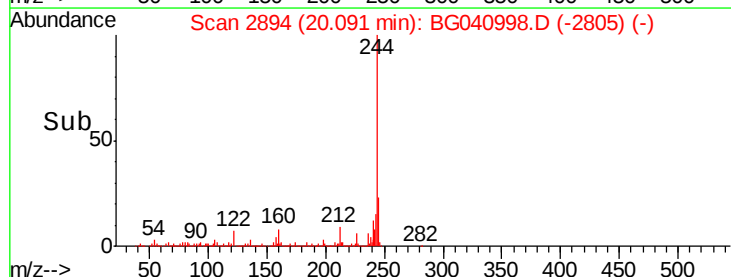
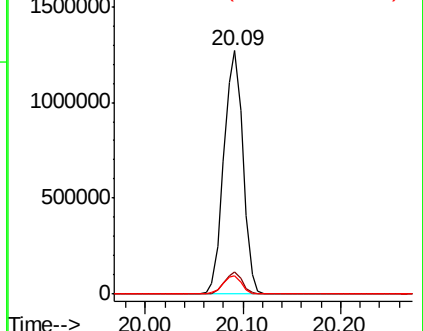
122 7.5 5.4 8.0

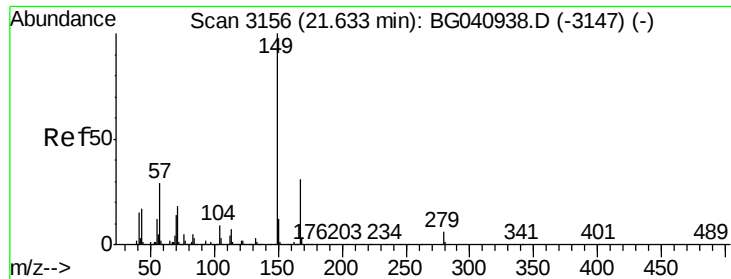


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.197 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

PB120099BL

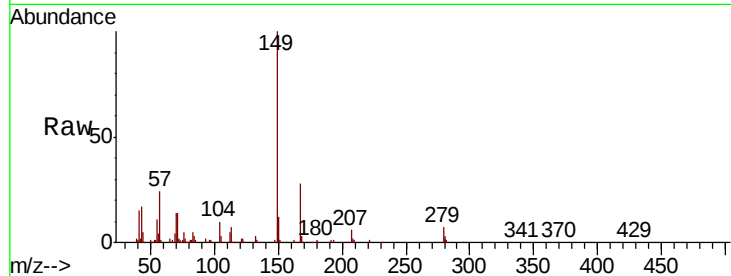
Tgt Ion:149 Resp: 83407

Ion Ratio Lower Upper

149 100

167 28.4 24.6 37.0

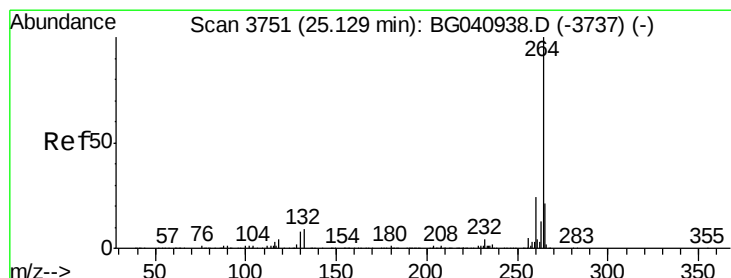
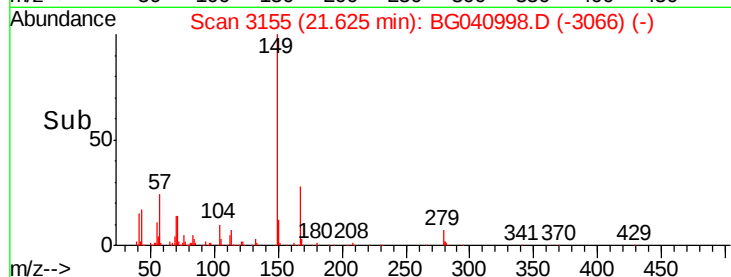
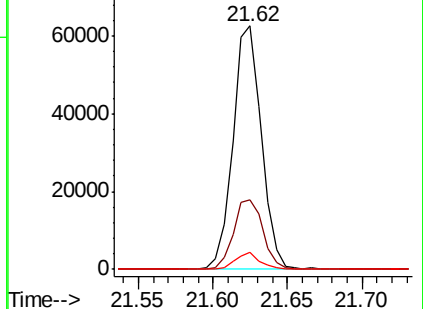
279 6.8 5.0 7.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG040998.D

Acq: 1 Jun 2019 5:23

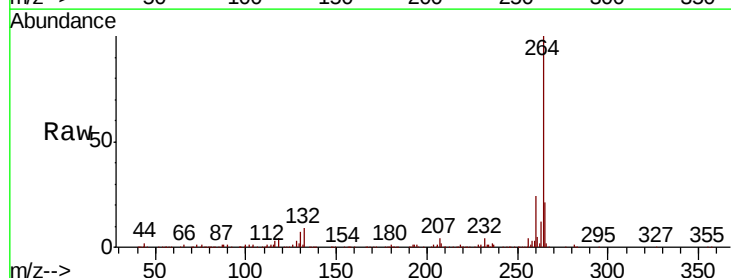
Tgt Ion:264 Resp: 463954

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.0 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

