

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040609.D
 Acq On : 25 Apr 2019 14:14
 Operator : JU/SJ
 Sample : K2542-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	43875	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	171934	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	121437	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	337381	20.00	ng	0.00
76) Chrysene-d12	21.82	240	374877	20.00	ng	0.00
87) Perylene-d12	25.20	264	379961	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	299377	120.28	ng	0.00
7) Phenol-d6	7.29	99	390255	101.83	ng	0.00
23) Nitrobenzene-d5	9.33	82	371036	99.71	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	246463	147.66	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	755300	89.82	ng	0.00
79) Terphenyl-d14	20.13	244	1632607	96.48	ng	0.00

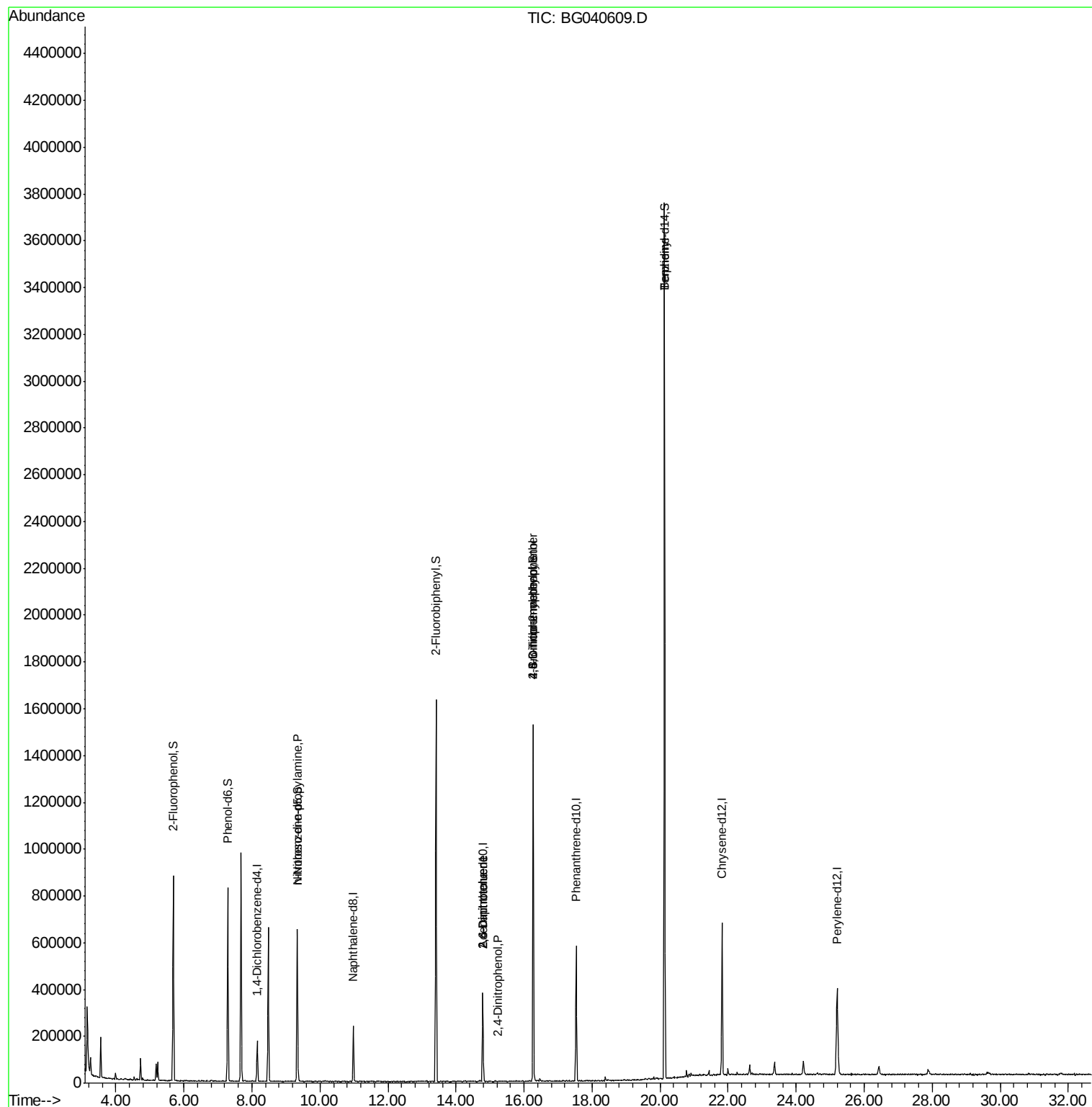
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	1230	Below Cal		# 54
19) n-Nitroso-di-n-propylamine	9.33	70	55440	16.071	ng	# 76
51) 2,6-Dinitrotoluene	14.79	165	15690	7.912	ng	# 16
54) 2,4-Dinitrophenol	15.23	184	67	7.069	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	15690	5.823	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	1231	7.732	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	18338	4.363	ng	# 1
77) Benzydine	20.13	184	33653	3.279	ng	# 91

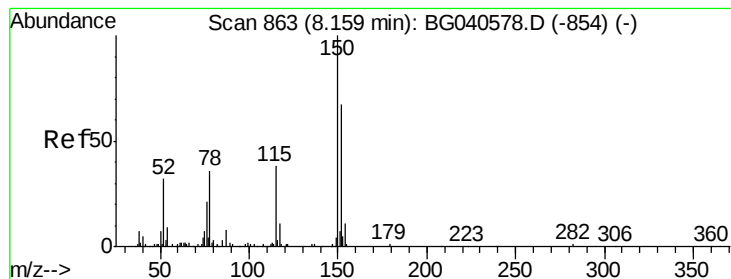
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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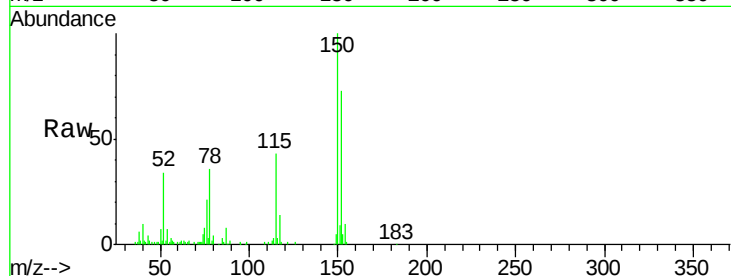


#1

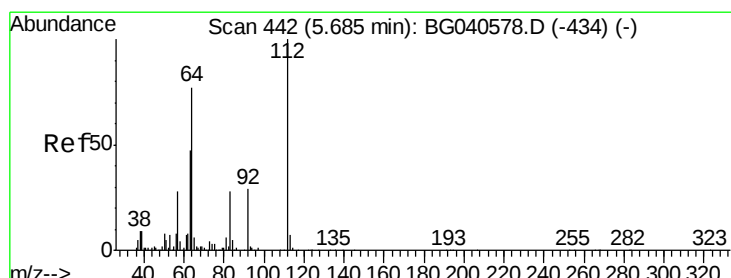
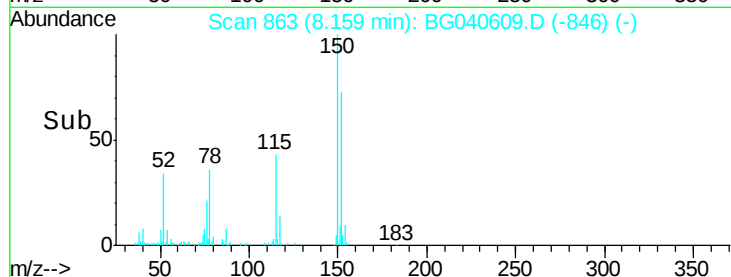
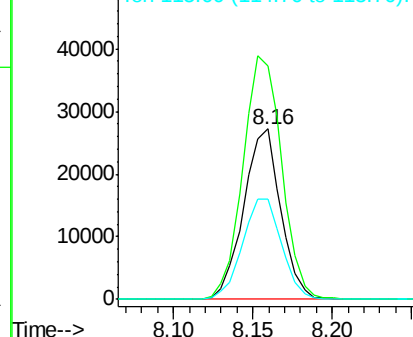
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.8	120.2	180.2
115	59.0	46.2	69.2



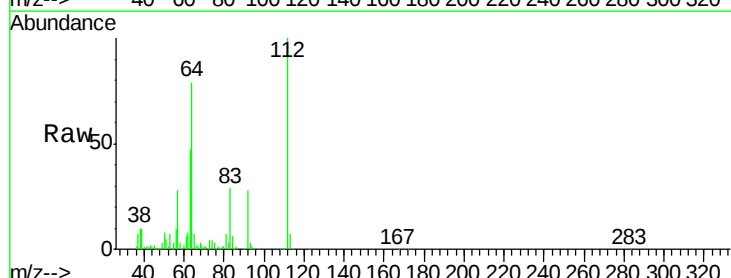
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



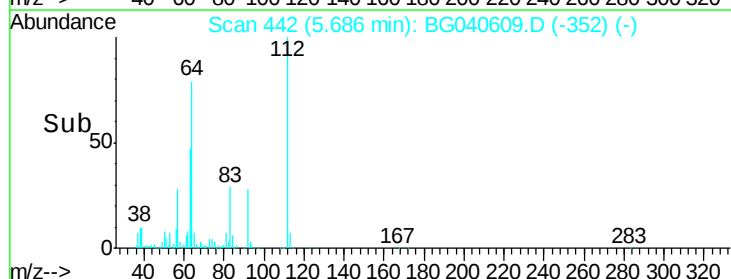
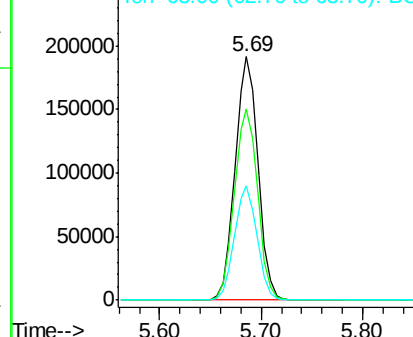
#5

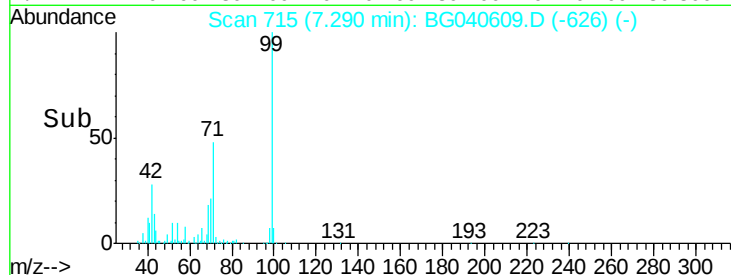
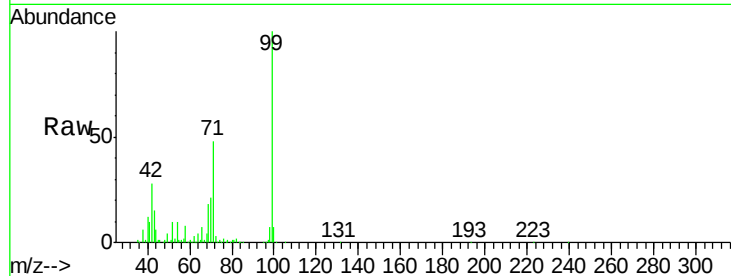
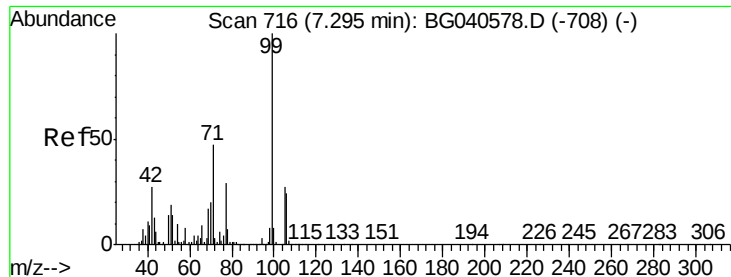
2-Fluorophenol
Concen: 120.281 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.5	61.4	92.0
63	46.8	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 101.832 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

Instrument :

BNA_G

ClientSampleId :

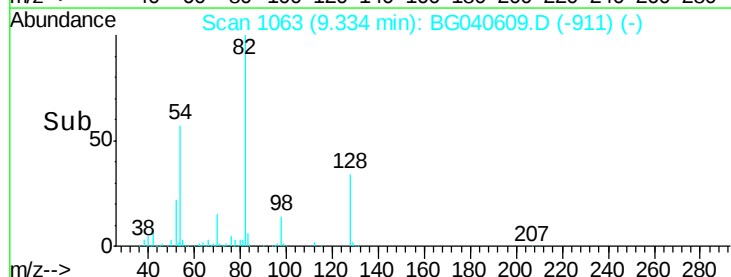
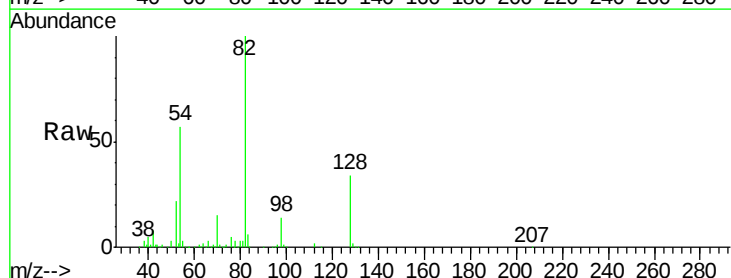
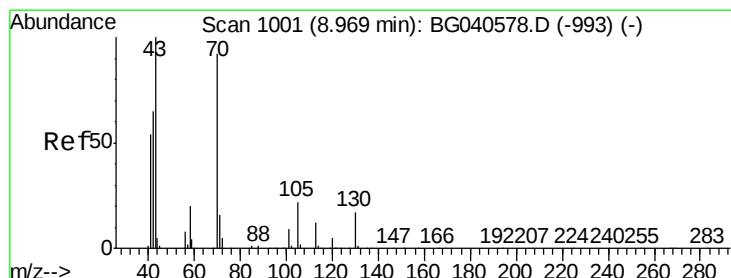
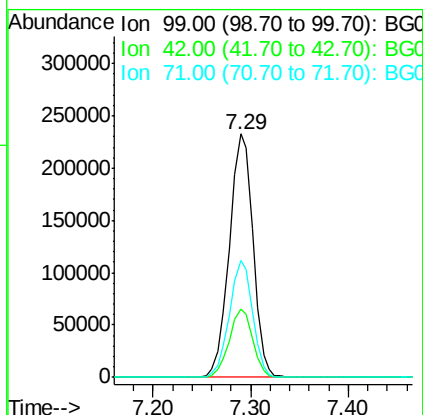
Tot Ion: 99 Resp: 390255

Ion Ratio Lower Upper

99 100

42 27.9 21.8 32.8

71 48.3 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.071 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

Tgt Ion: 70 Resp: 55440

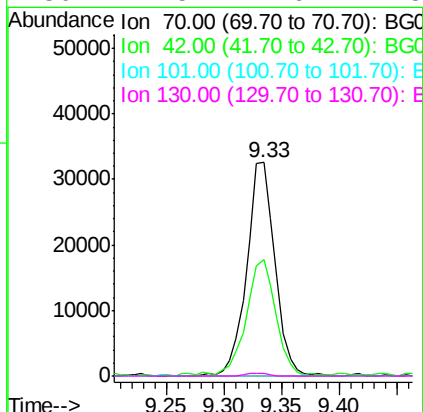
Ion Ratio Lower Upper

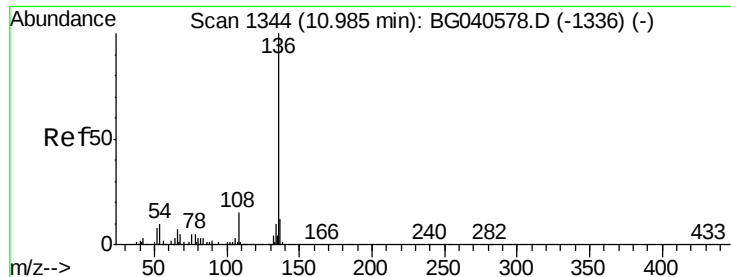
70 100

42 54.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 171934

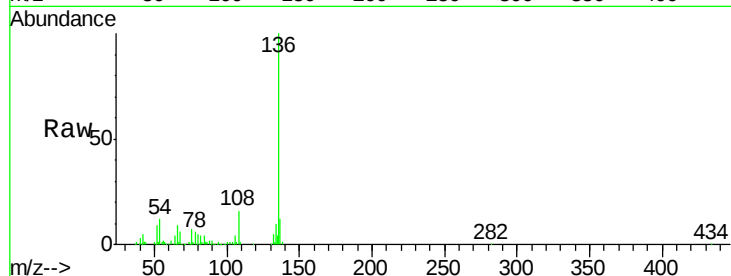
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 11.8 8.6 12.8

68 6.3 4.8 7.2

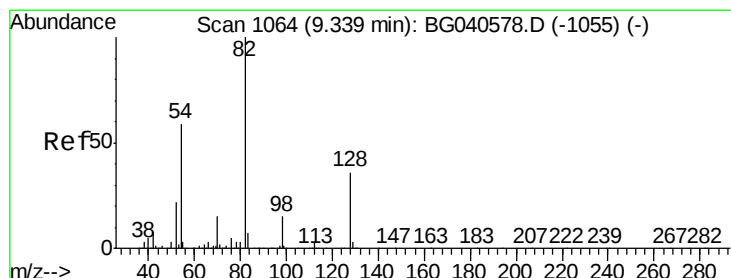
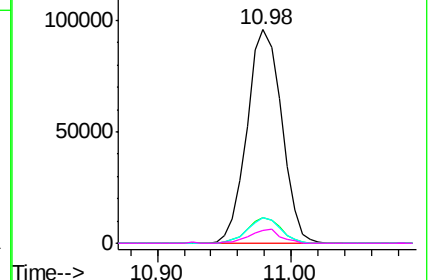
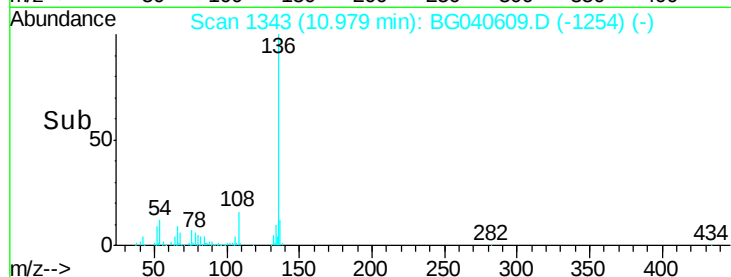


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.714 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

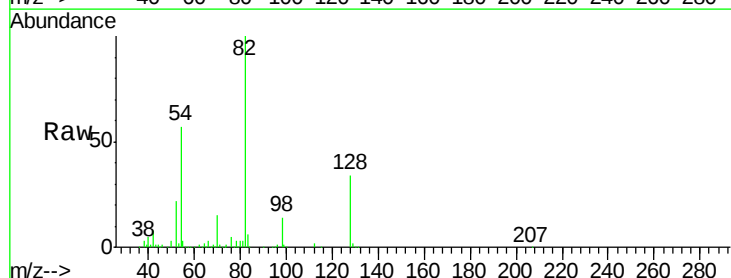
Tgt Ion: 82 Resp: 371036

Ion Ratio Lower Upper

82 100

128 34.0 28.9 43.3

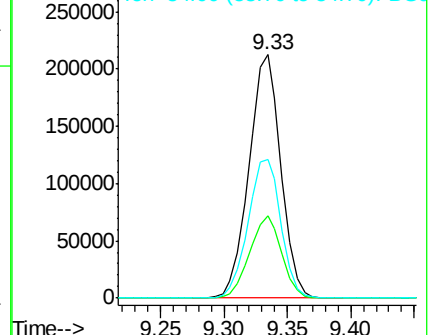
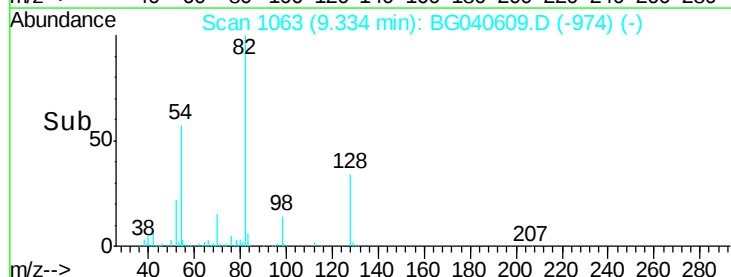
54 56.9 47.2 70.8

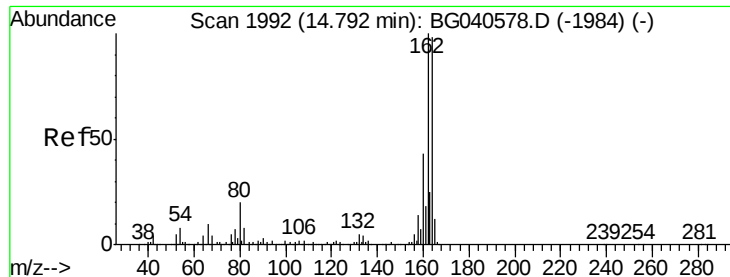


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

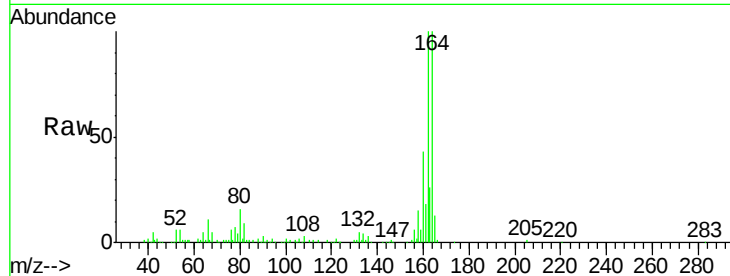




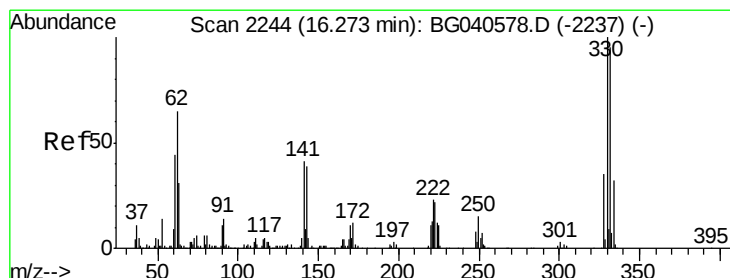
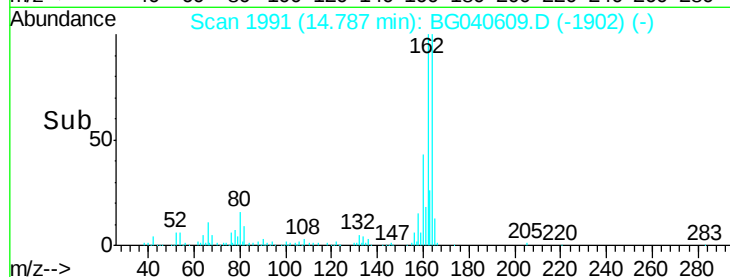
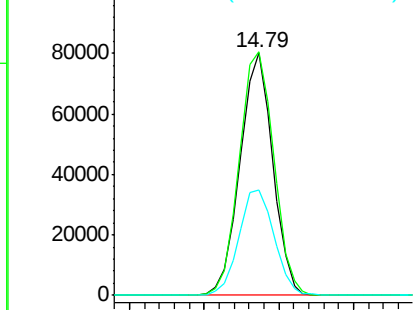
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.9	122.9
160	43.6	35.4	53.2

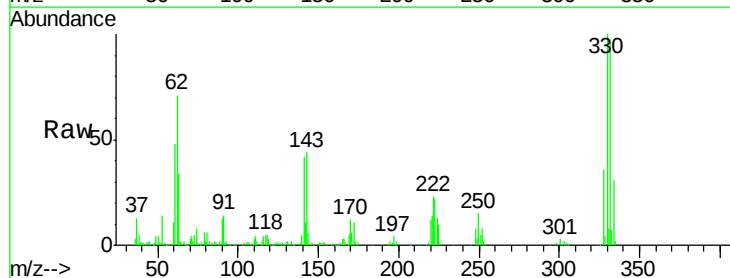


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

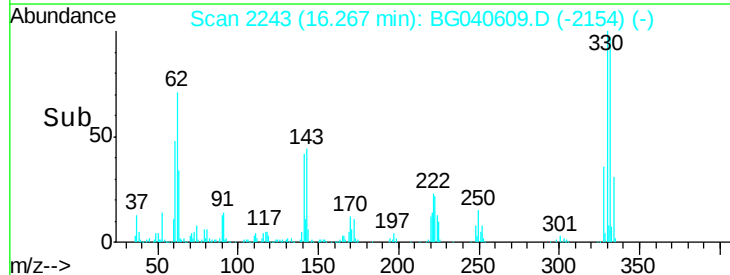
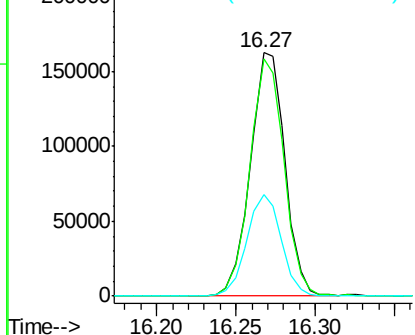


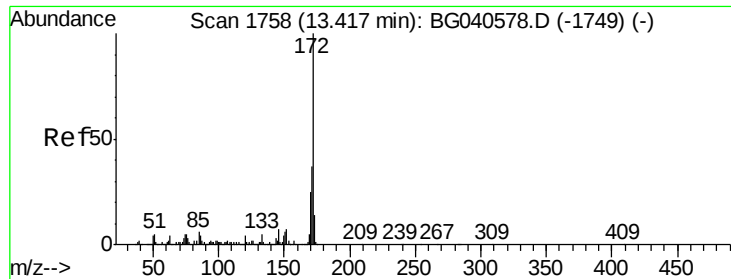
#42
2,4,6-Tribromophenol
Concen: 147.655 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.9	113.9
141	41.8	32.4	48.6



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

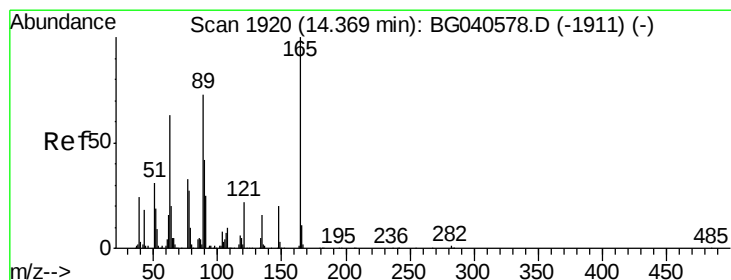
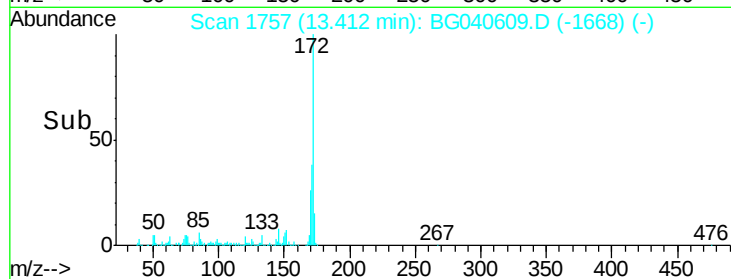
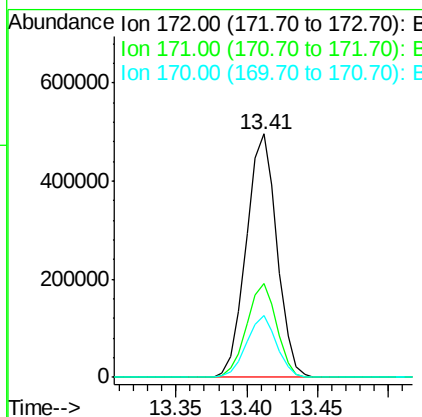
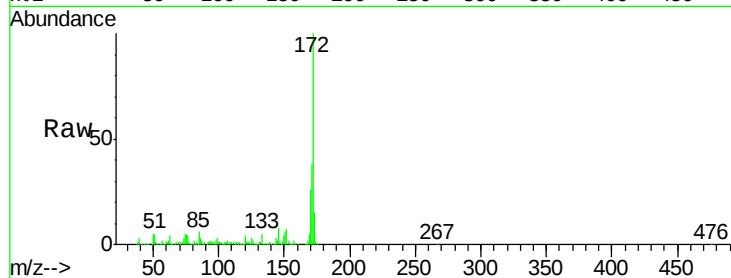




#45
 2-Fluorobiphenyl
 Concen: 89.825 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040609.D
 Acq: 25 Apr 2019 14:14

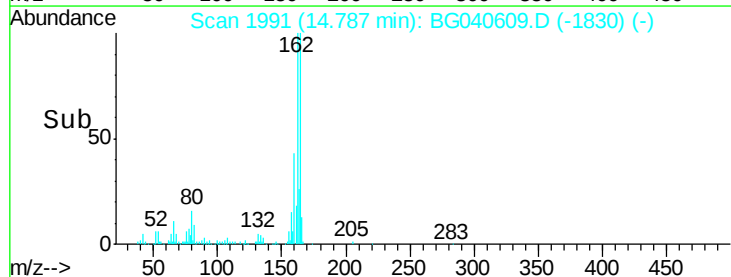
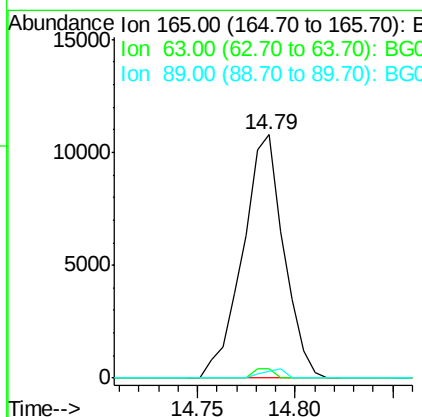
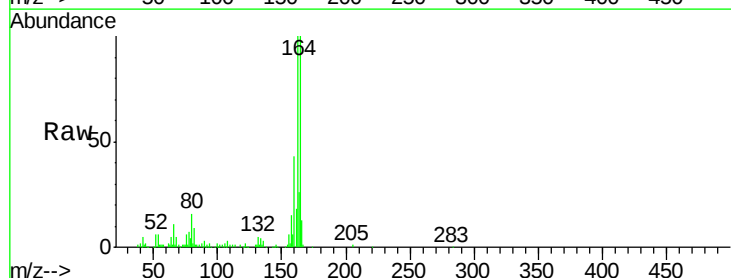
Instrument :
 BNA_G
 ClientSampleId :

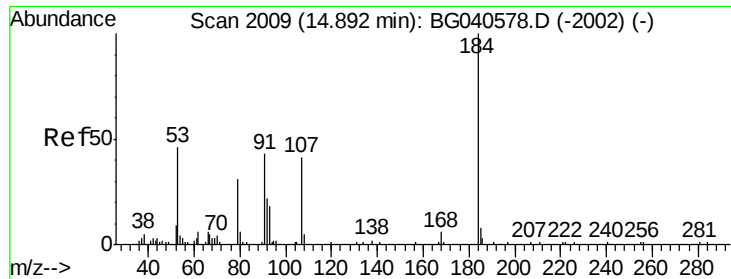
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	25.6	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.912 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG040609.D
 Acq: 25 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.8	61.0	91.4#
89	2.8	58.6	87.8#

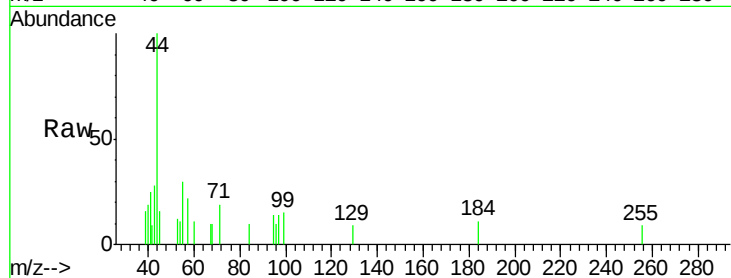




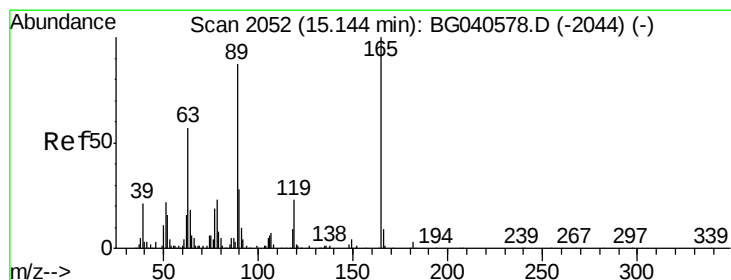
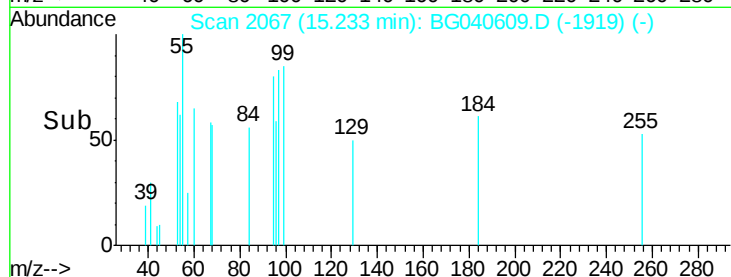
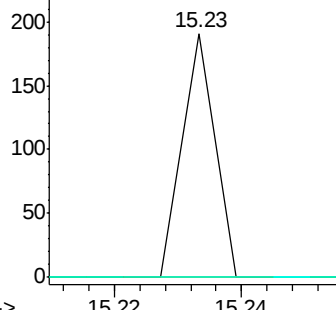
#54
2,4-Dinitrophenol
Concen: 7.069 ng
RT: 15.23 min Scan# 2067
Delta R.T. 0.34 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

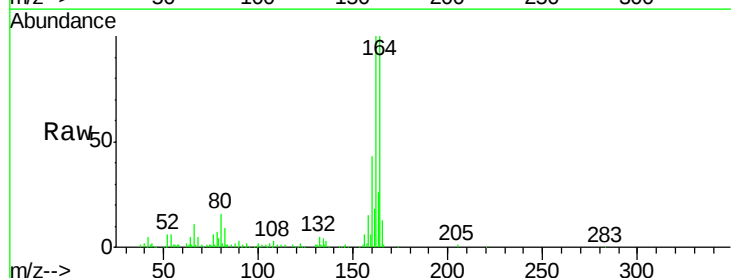


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

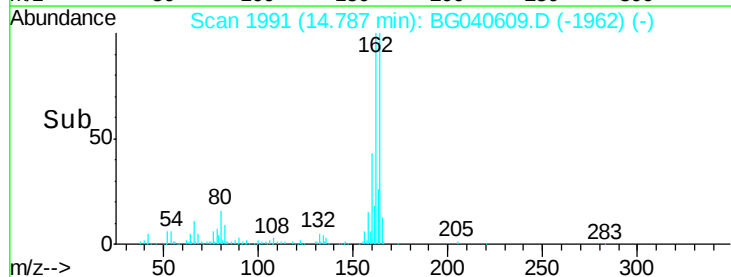
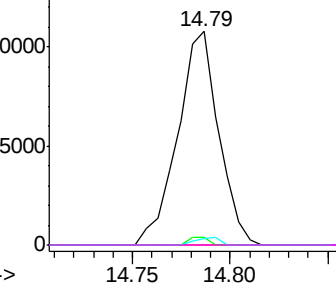


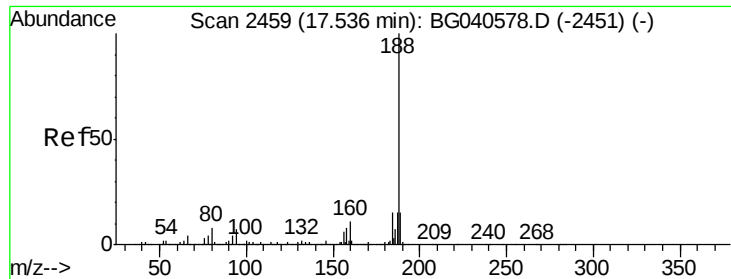
#57
2,4-Dinitrotoluene
Concen: 5.823 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Tgt Ion:165 Resp: 15690
Ion Ratio Lower Upper
165 100
63 3.8 45.8 68.8#
89 2.8 69.4 104.2#
182 0.0 2.2 3.4#



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: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

Instrument :

BNA_G

ClientSampleId :

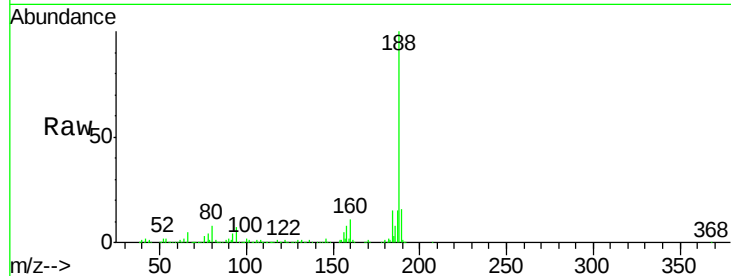
Tot Ion:188 Resp: 337381

Ion Ratio Lower Upper

188 100

94 7.0 5.6 8.4

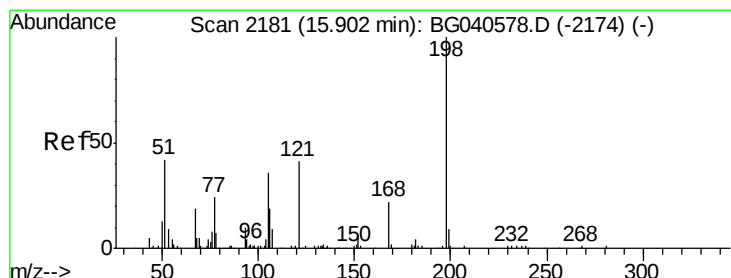
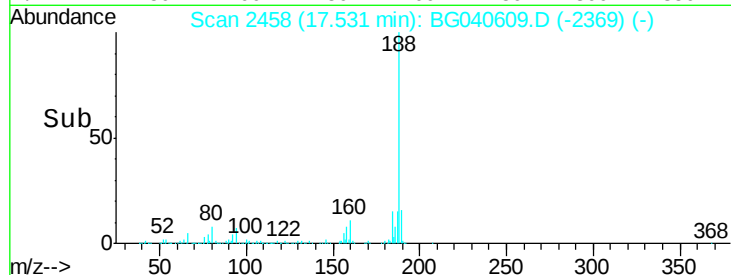
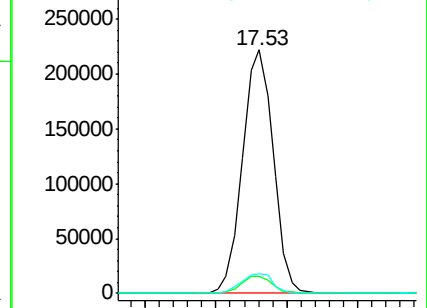
80 8.2 6.4 9.6



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: 7.732 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

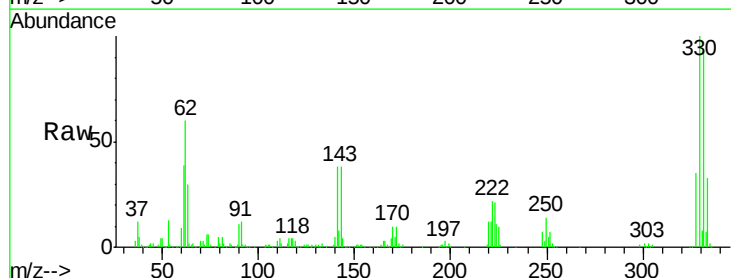
Tgt Ion:198 Resp: 1231

Ion Ratio Lower Upper

198 100

51 108.2 35.9 75.9#

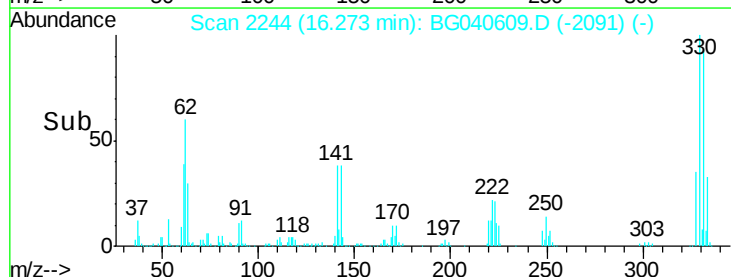
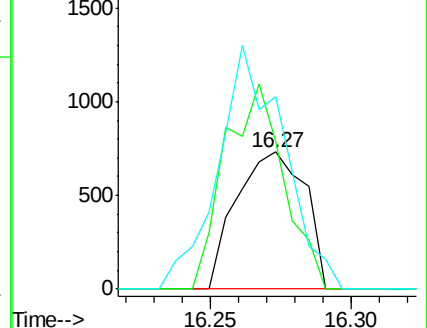
105 140.2 21.2 61.2#

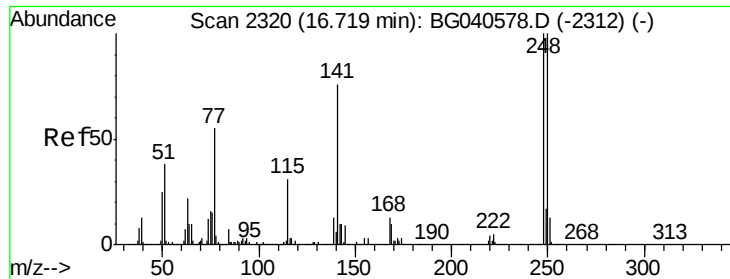


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

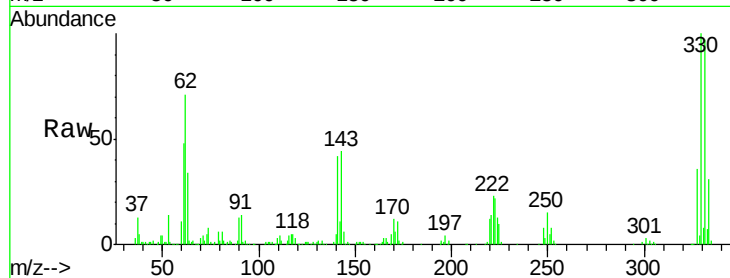




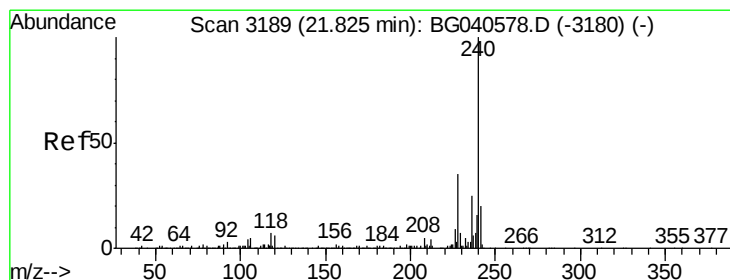
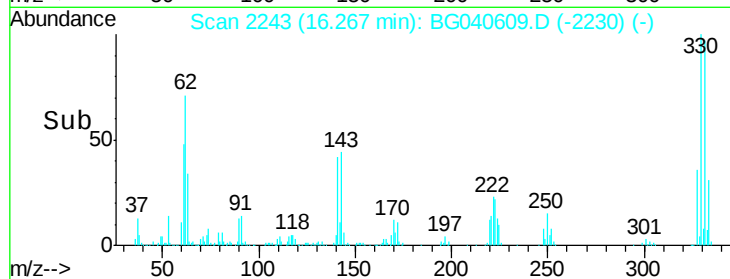
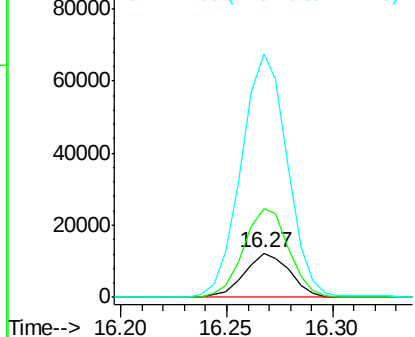
#67
4-Bromophenyl-phenylether
Concen: 4.363 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 18338
Ion Ratio Lower Upper
248 100
250 147.4 79.8 119.6#
141 404.6 60.8 91.2#

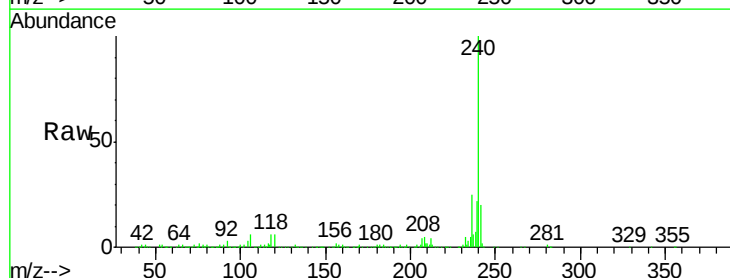


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

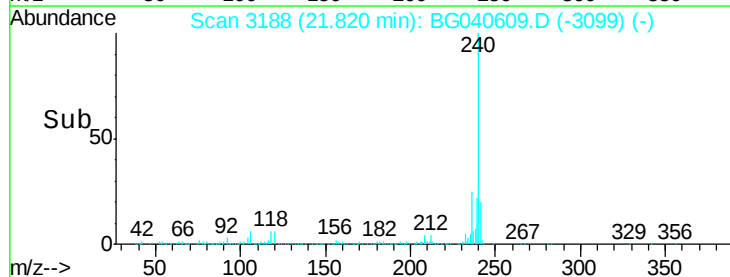
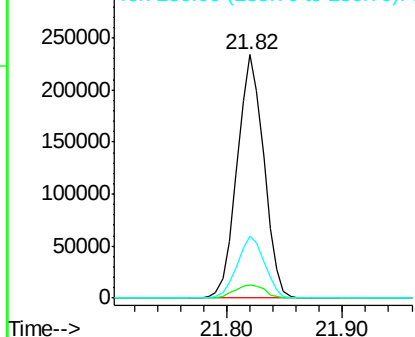


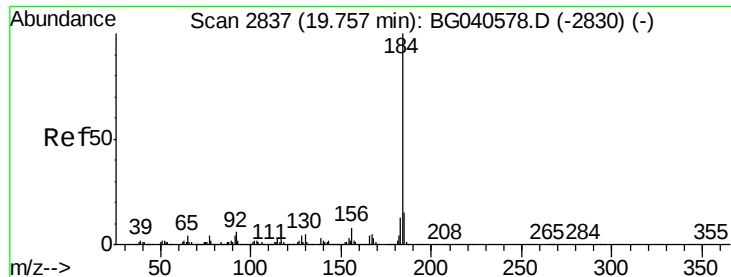
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040609.D
Acq: 25 Apr 2019 14:14

Tgt Ion:240 Resp: 374877
Ion Ratio Lower Upper
240 100
120 5.5 5.0 7.6
236 25.4 20.3 30.5



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: 3.279 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

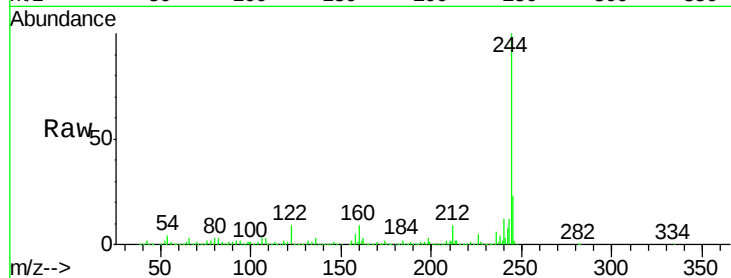
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 33653

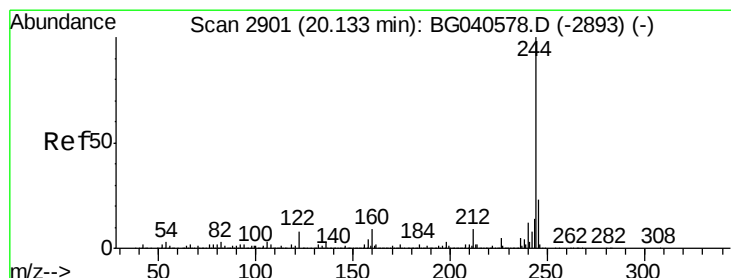
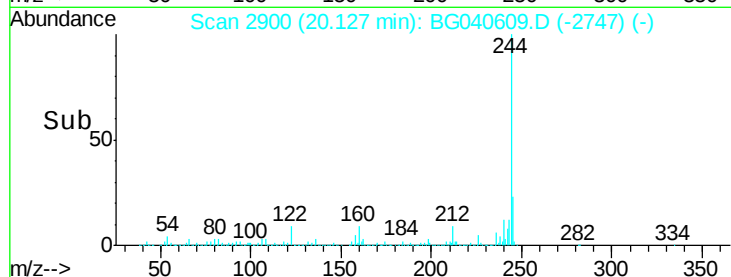
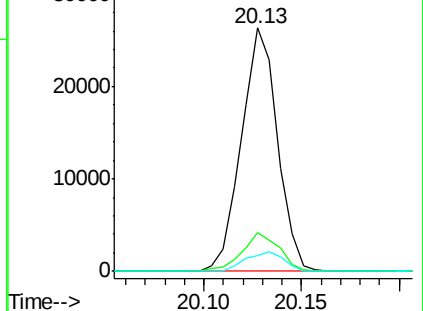
Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.8	17.8
183	6.6	10.2	15.2



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: 96.483 ng

RT: 20.13 min Scan# 2900

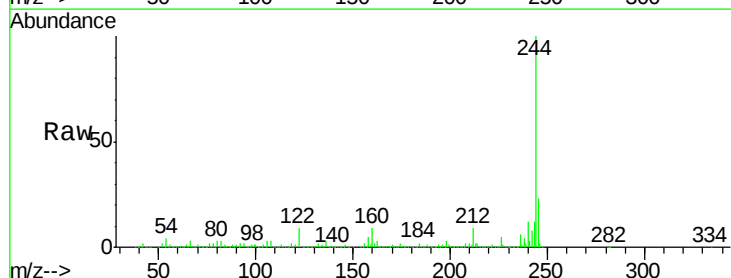
Delta R.T. -0.01 min

Lab File: BG040609.D

Acq: 25 Apr 2019 14:14

Tgt Ion:244 Resp: 1632607

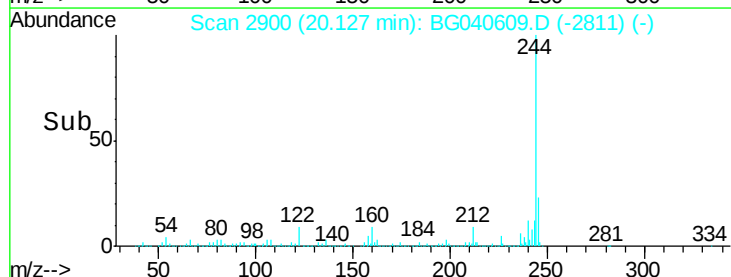
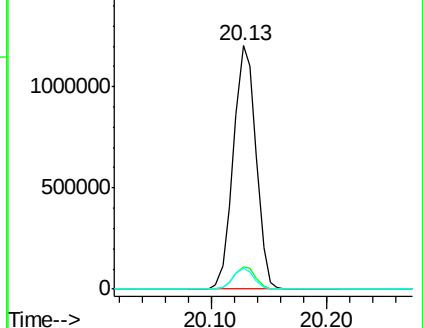
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.2	10.8
122	8.6	6.6	10.0

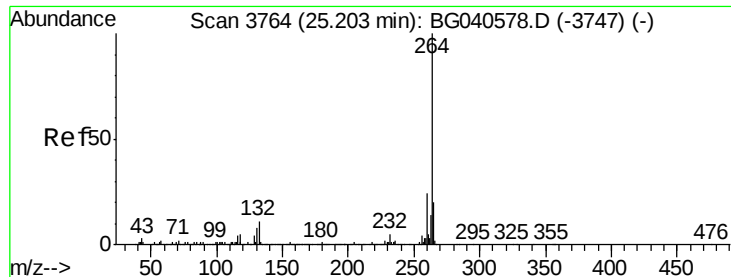


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

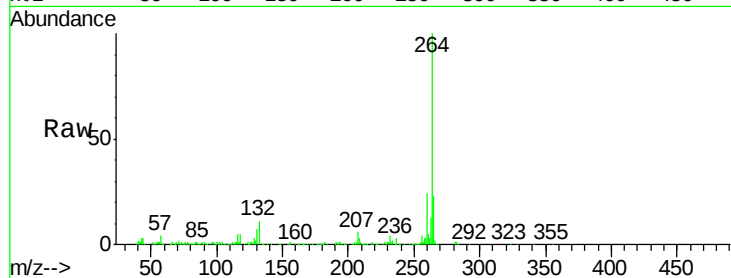




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BG040609.D
 Acq: 25 Apr 2019 14:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.6	16.6	25.0



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

