

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040620.D
 Acq On : 25 Apr 2019 21:09
 Operator : JU/SJ
 Sample : K2566-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:56:20 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

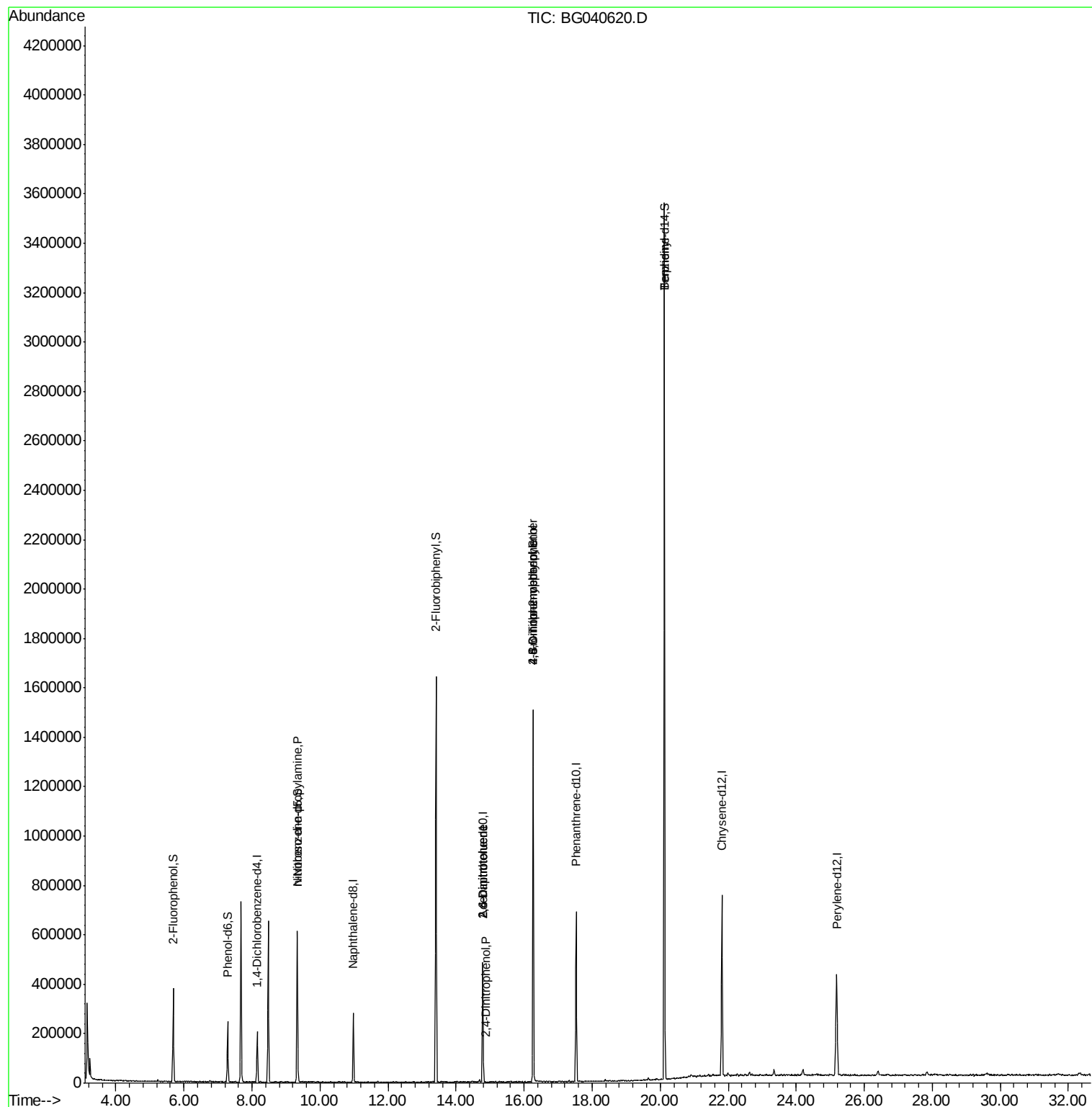
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	48328	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	205370	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	153852	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	408610	20.00	ng	0.00
76) Chrysene-d12	21.81	240	425367	20.00	ng	-0.01
87) Perylene-d12	25.19	264	445286	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	132669	48.39	ng	0.00
7) Phenol-d6	7.29	99	119924	28.41	ng	0.00
23) Nitrobenzene-d5	9.33	82	347093	78.09	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	244661	115.69	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	758361	71.19	ng	0.00
79) Terphenyl-d14	20.13	244	1526219	79.49	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	297	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.33	70	51161	13.464 ng	#	6
51) 2,6-Dinitrotoluene	14.79	165	20410	8.124 ng	#	77
54) 2,4-Dinitrophenol	14.87	184	57	7.051 ng	#	15
57) 2,4-Dinitrotoluene	14.79	165	20410	5.979 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.27	198	1179	7.600 ng	#	17
67) 4-Bromophenyl-phenylether	16.27	248	18114	3.558 ng	#	18
77) Benzydine	20.13	184	30919	2.655 ng	#	1
					#	95

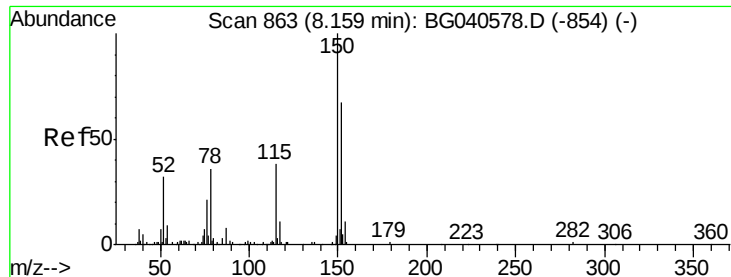
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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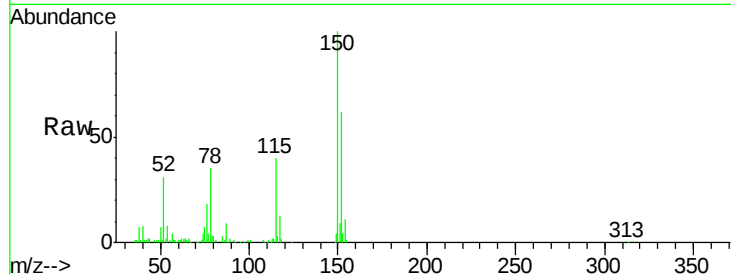


#1

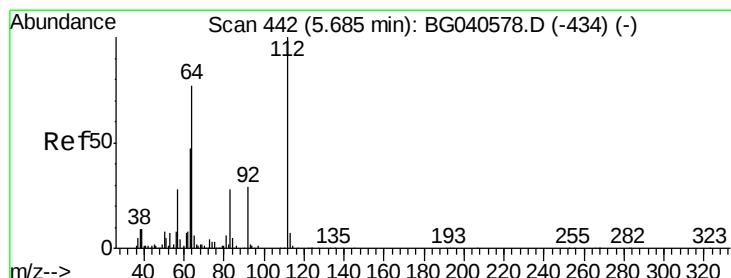
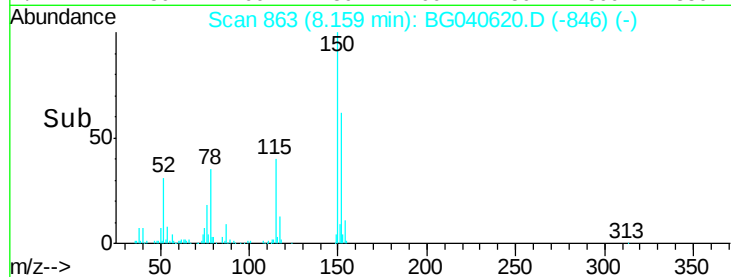
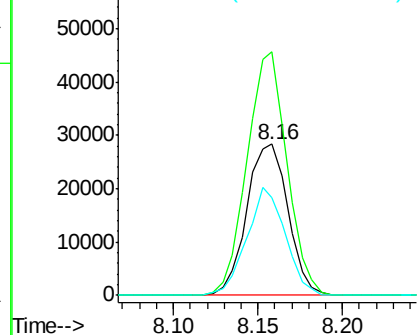
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	120.2	180.2
115	65.1	46.2	69.2



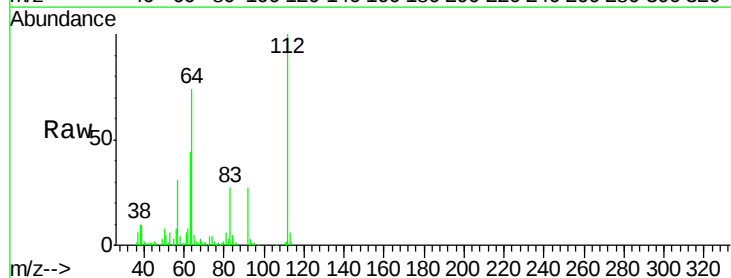
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



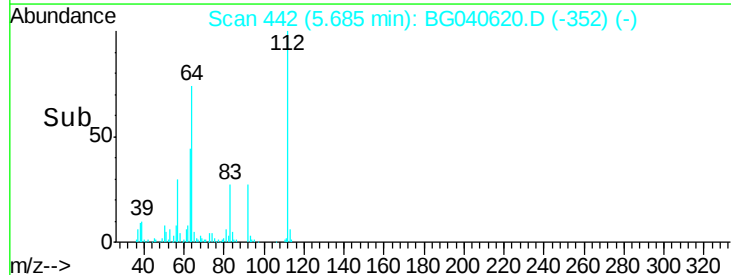
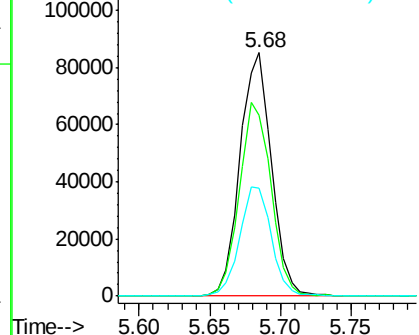
#5

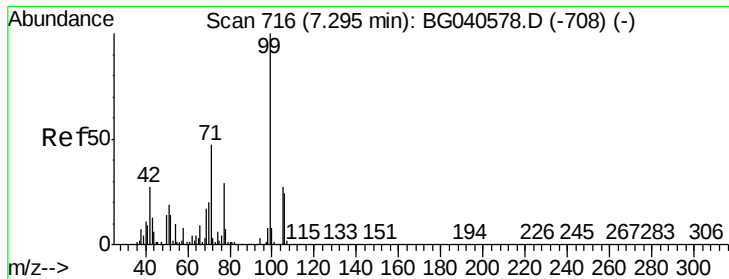
2-Fluorophenol
Concen: 48.391 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.0	61.4	92.0
63	44.4	37.8	56.6



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: 28.409 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

Instrument :

BNA_G

ClientSampleId :

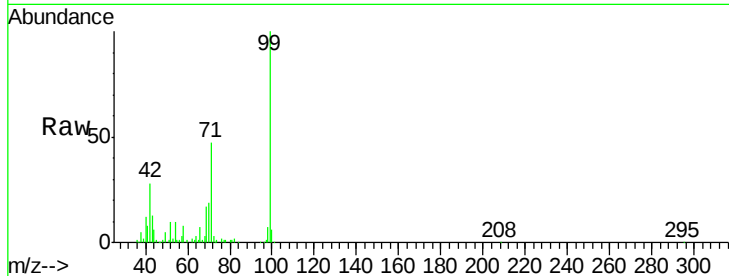
Tot Ion: 99 Resp: 119924

Ion Ratio Lower Upper

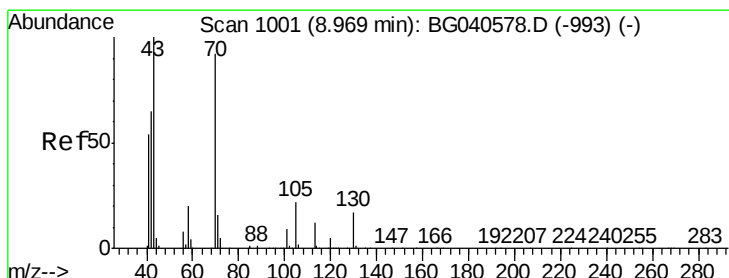
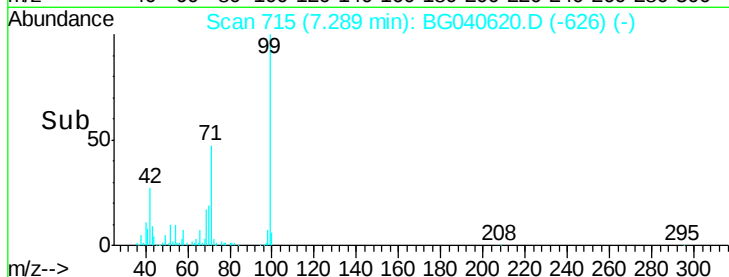
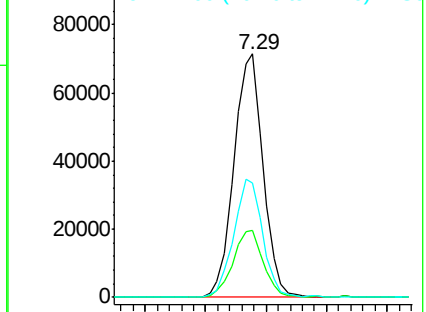
99 100

42 27.6 21.8 32.8

71 46.7 38.6 57.8



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: 13.464 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

Tgt Ion: 70 Resp: 51161

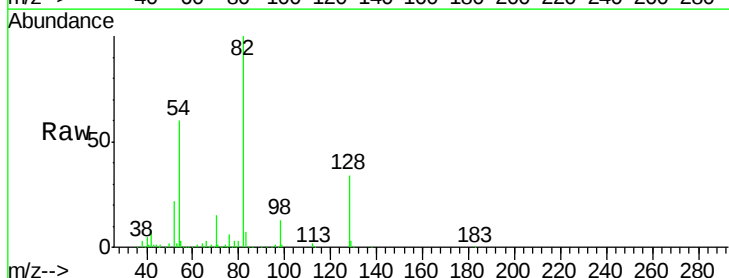
Ion Ratio Lower Upper

70 100

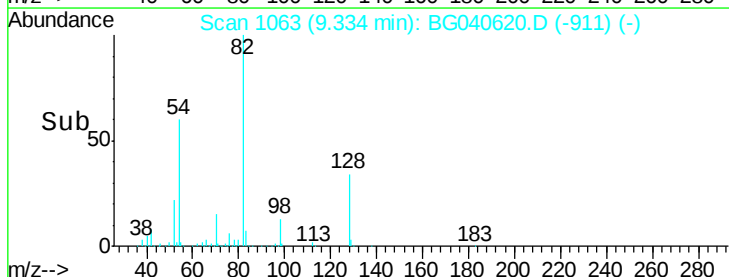
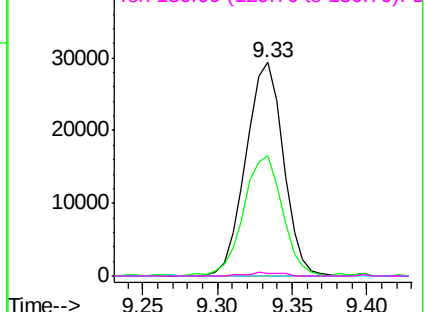
42 56.3 57.1 85.7#

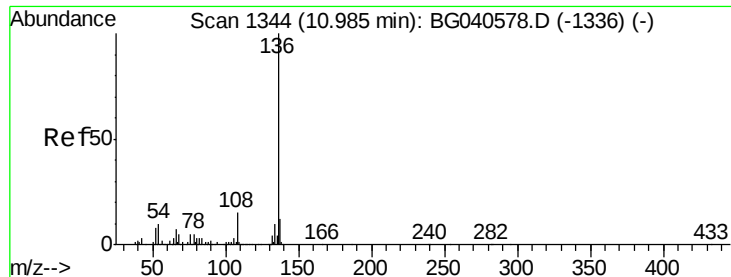
101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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

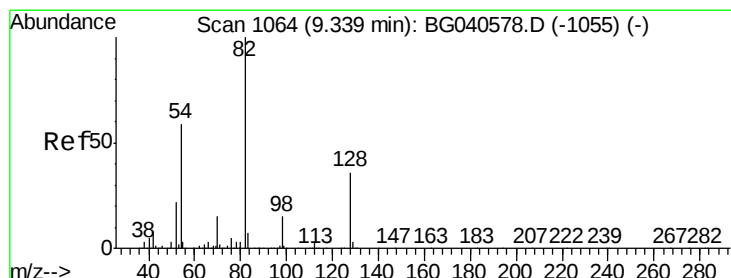
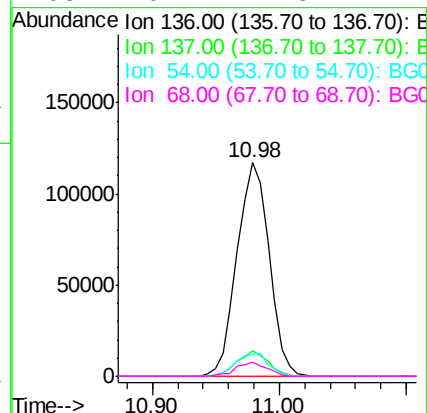
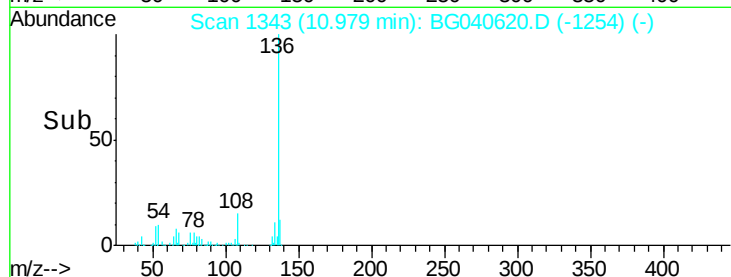
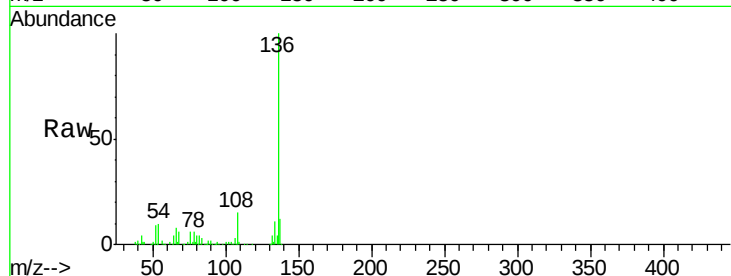




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

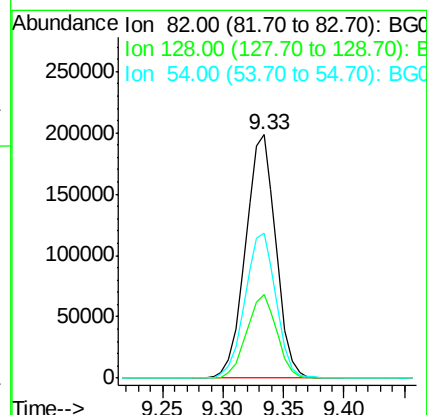
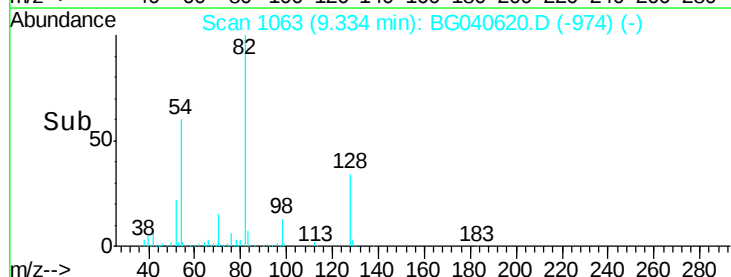
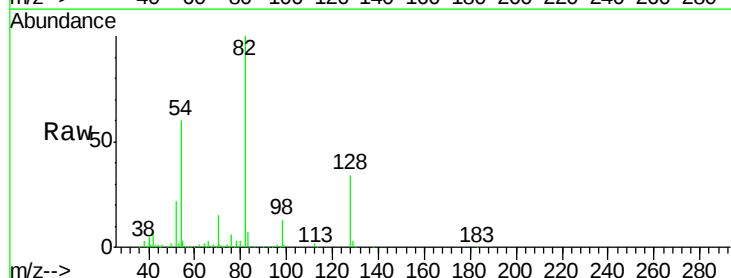
Instrument :
BNA_G
ClientSampleId :

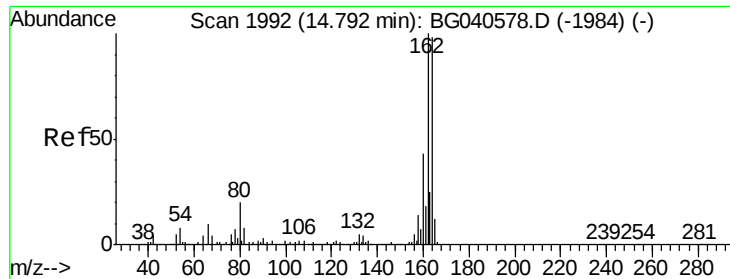
Tot Ion:136	Resp:	205370
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.7 14.5
54	10.3	8.6 12.8
68	6.4	4.8 7.2



#23
Nitrobenzene-d5
Concen: 78.093 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Tgt Ion: 82	Resp:	347093
Ion	Ratio	Lower Upper
82	100	
128	34.3	28.9 43.3
54	59.7	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

Instrument :

BNA_G

ClientSampleId :

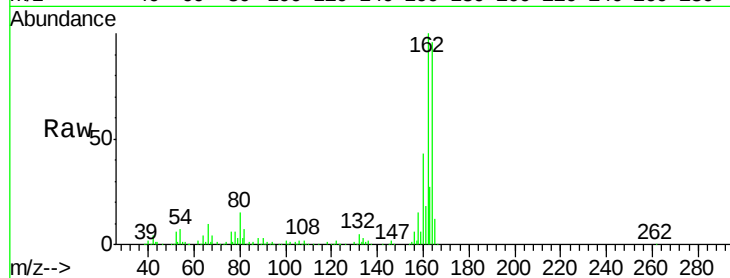
Tot Ion:164 Resp: 153852

Ion Ratio Lower Upper

164 100

162 104.1 81.9 122.9

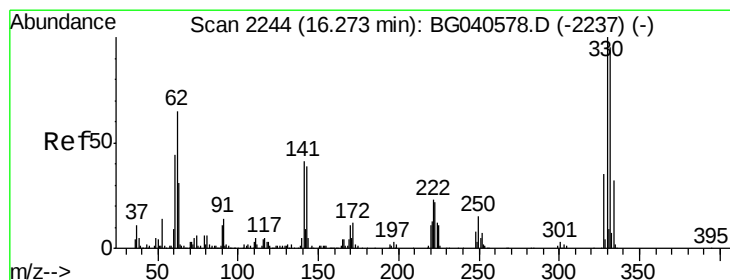
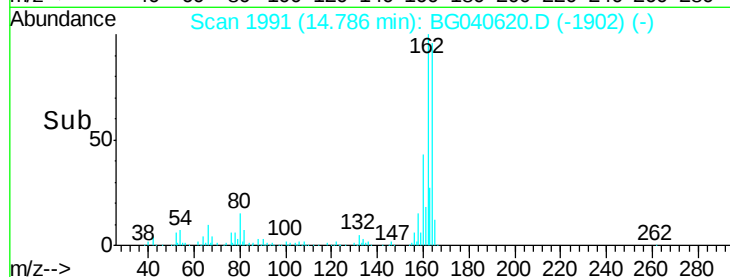
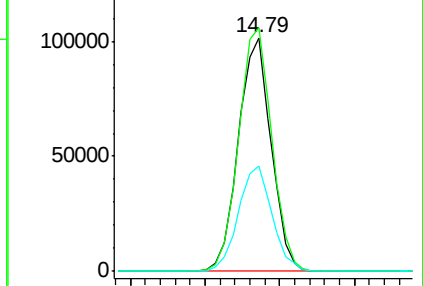
160 45.3 35.4 53.2



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: 115.694 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

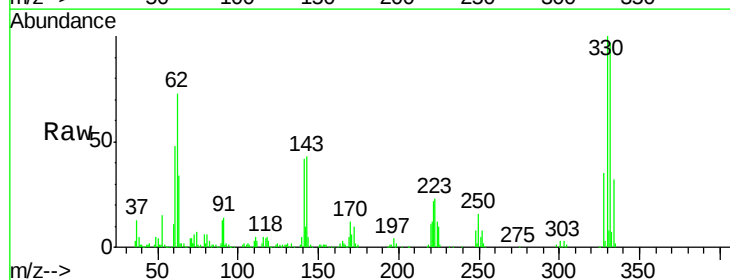
Tgt Ion:330 Resp: 244661

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

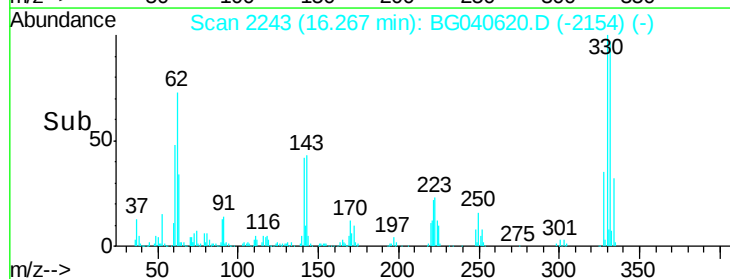
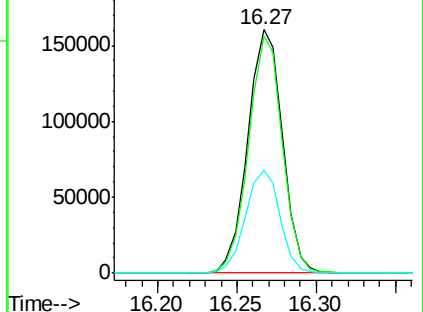
141 41.9 32.4 48.6

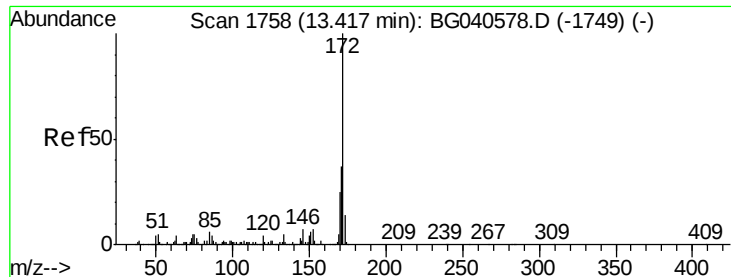


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

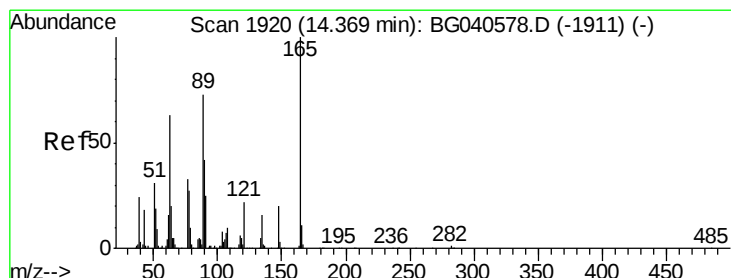
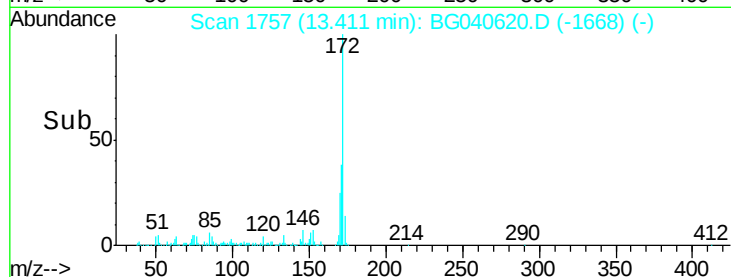
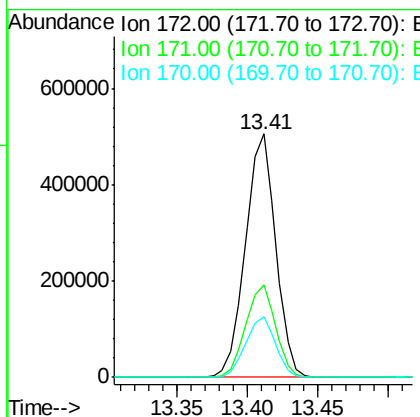
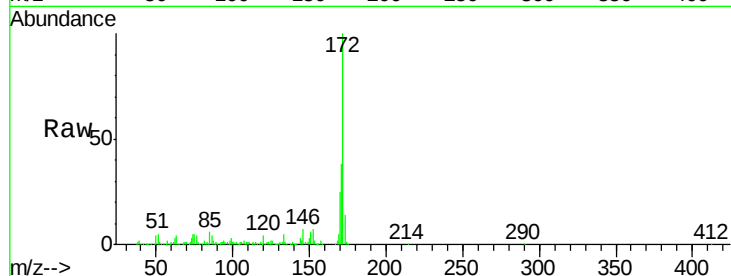




#45
2-Fluorobiphenyl
Concen: 71.187 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

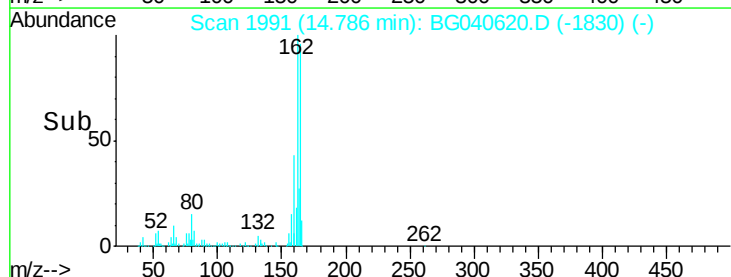
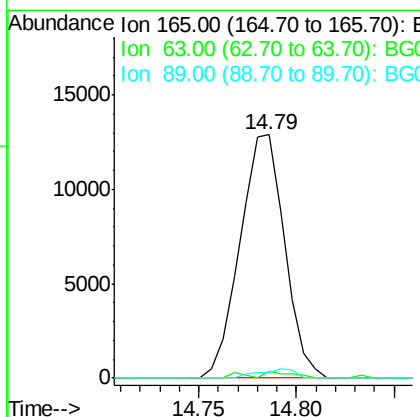
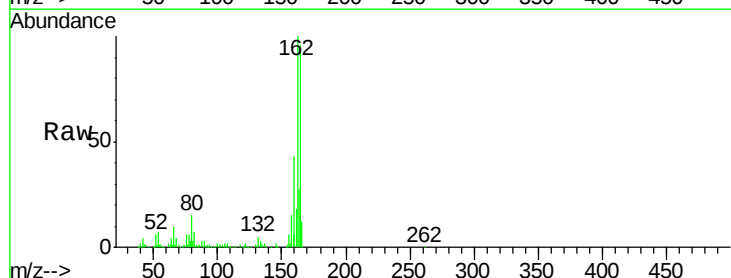
Instrument :
BNA_G
ClientSampleId :

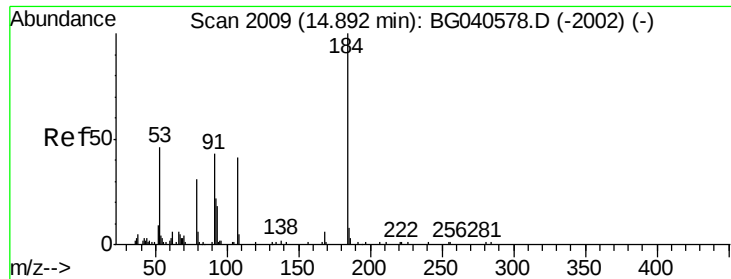
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	25.0	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.124 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	61.0	91.4#
89	2.4	58.6	87.8#

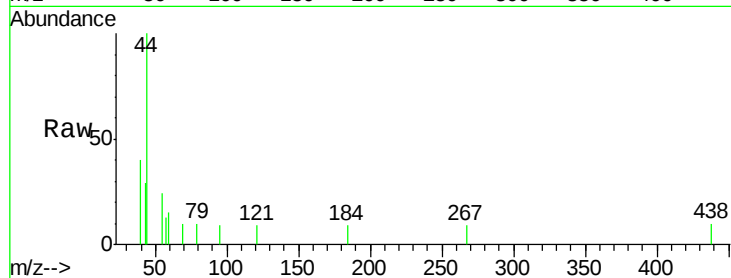




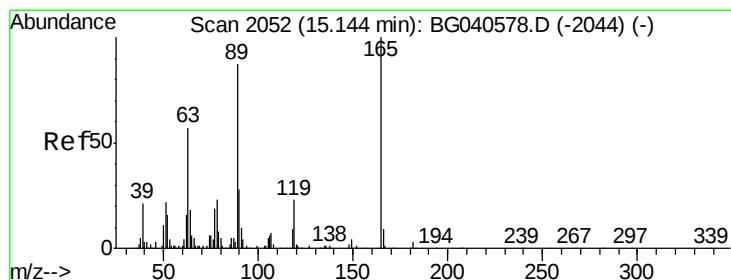
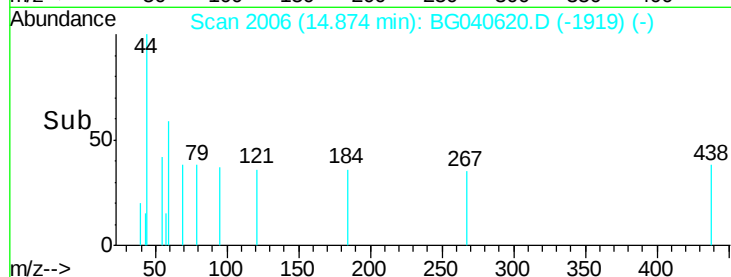
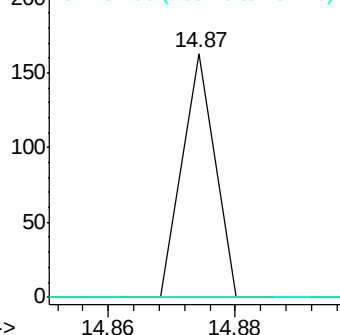
#54
2,4-Dinitrophenol
Concen: 7.051 ng
RT: 14.87 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

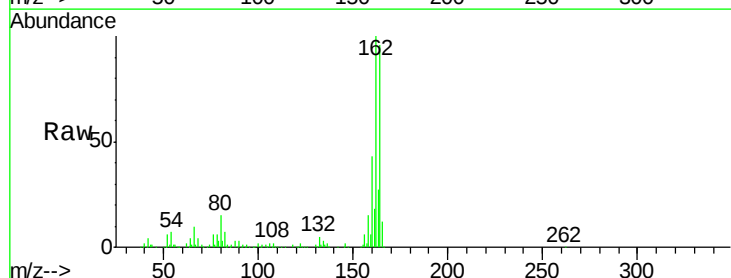


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

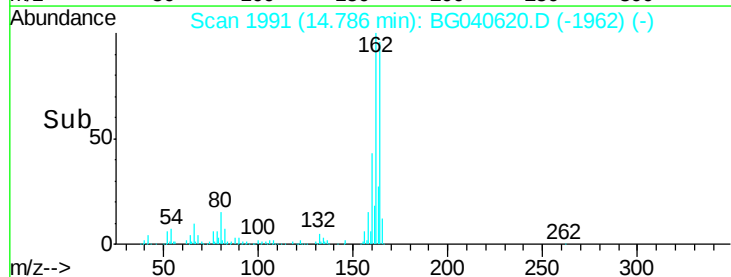
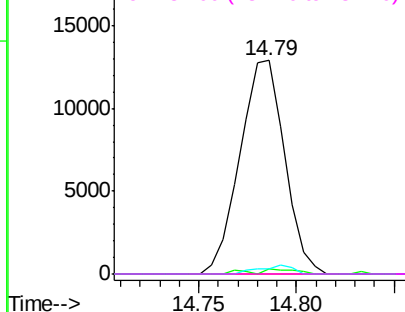


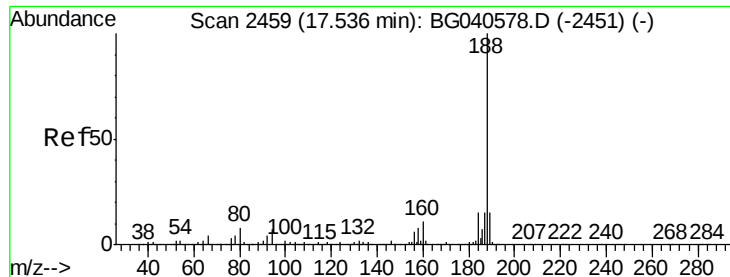
#57
2,4-Dinitrotoluene
Concen: 5.979 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Tgt Ion:165 Resp: 20410
Ion Ratio Lower Upper
165 100
63 2.7 45.8 68.8#
89 2.4 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

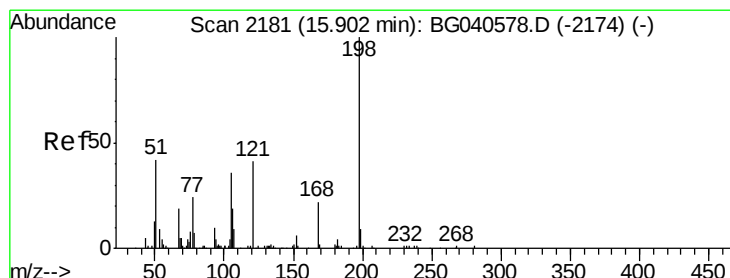
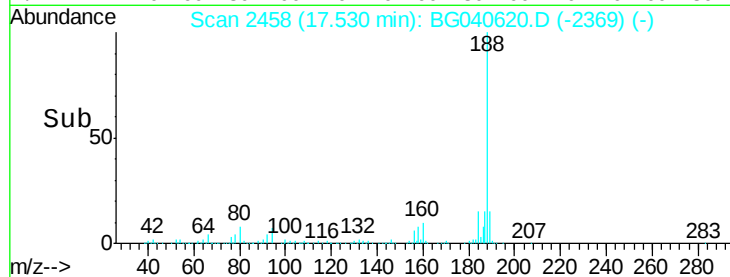
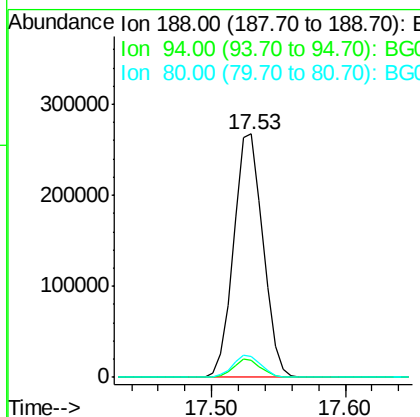
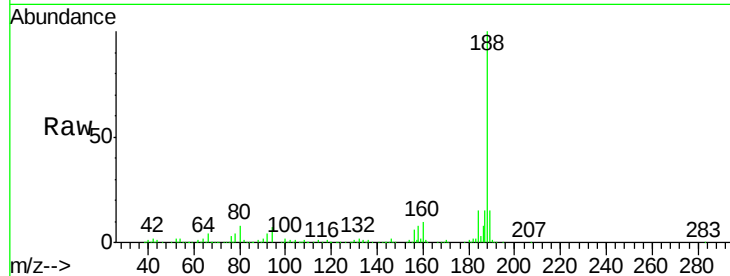




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG040620.D
 Acq: 25 Apr 2019 21:09

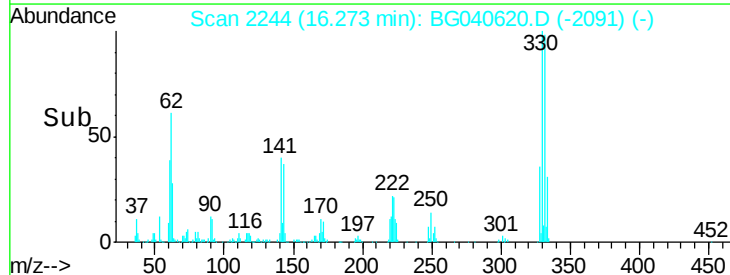
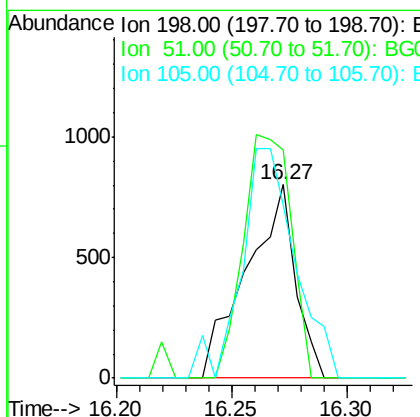
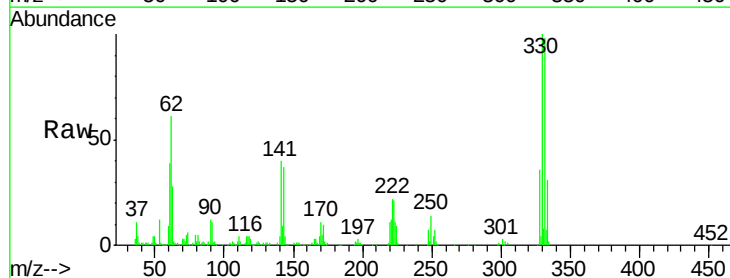
Instrument :
 BNA_G
 ClientSampleId :

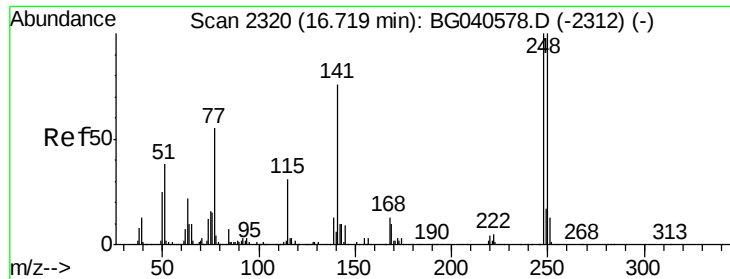
Tot Ion:188 Resp: 408610
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.6 8.4
 80 8.4 6.4 9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.600 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.37 min
 Lab File: BG040620.D
 Acq: 25 Apr 2019 21:09

Tgt Ion:198 Resp: 1179
 Ion Ratio Lower Upper
 198 100
 51 117.7 35.9 75.9#
 105 89.8 21.2 61.2#

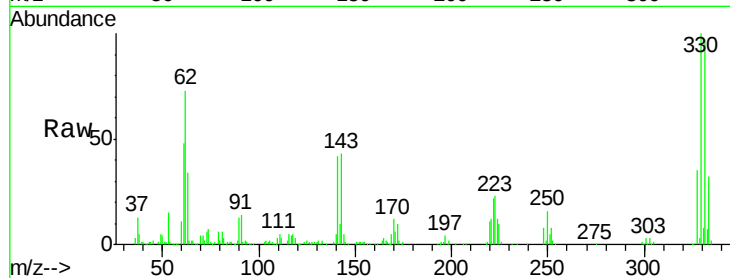




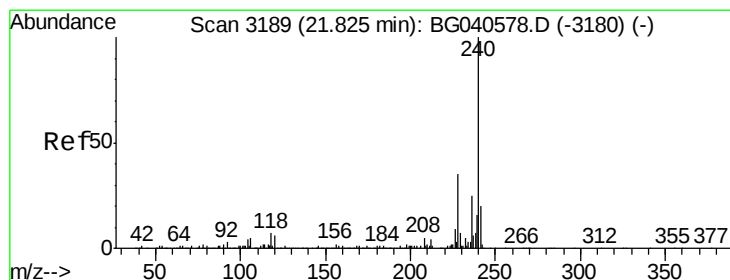
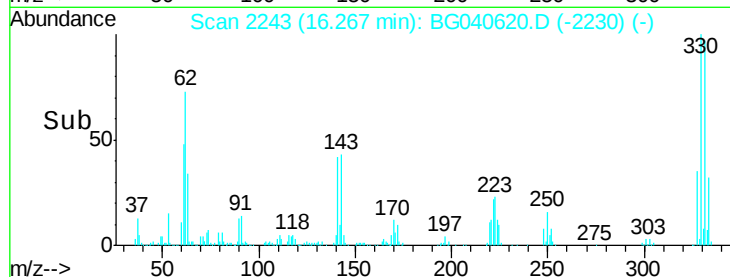
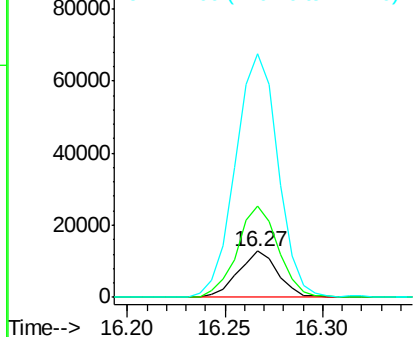
#67
4-Bromophenyl-phenylether
Concen: 3.558 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18114
Ion Ratio Lower Upper
248 100
250 198.2 79.8 119.6#
141 527.5 60.8 91.2#

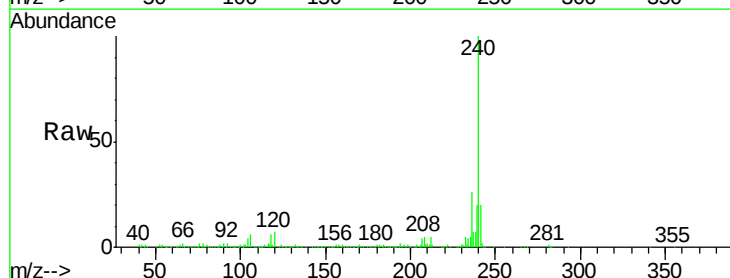


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

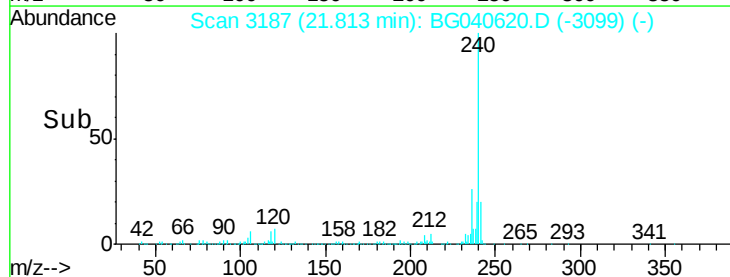
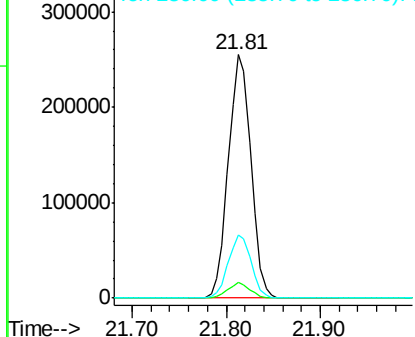


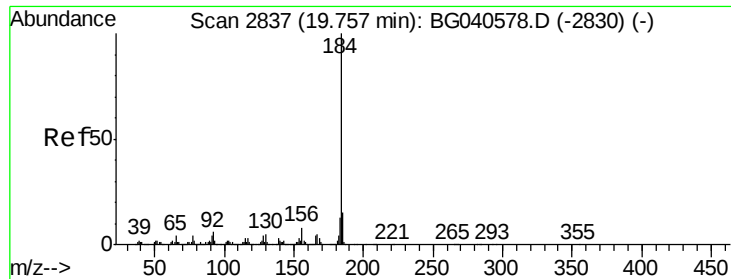
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Tgt Ion:240 Resp: 425367
Ion Ratio Lower Upper
240 100
120 6.7 5.0 7.6
236 26.1 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: 2.655 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

Instrument :

BNA_G

ClientSampleId :

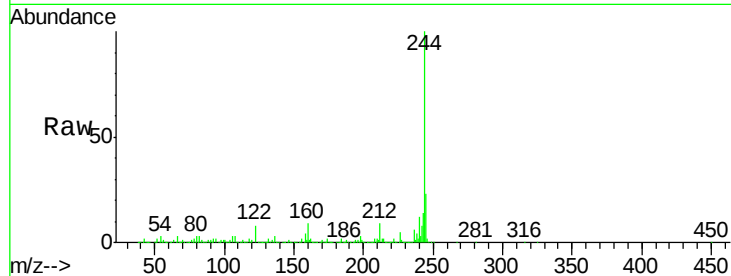
Tot Ion:184 Resp: 30919

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

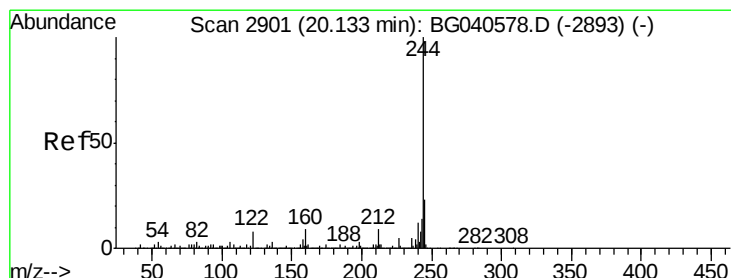
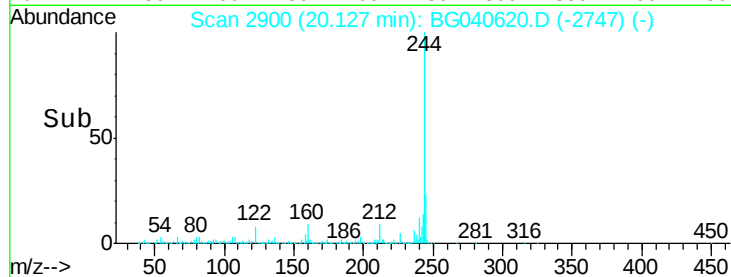
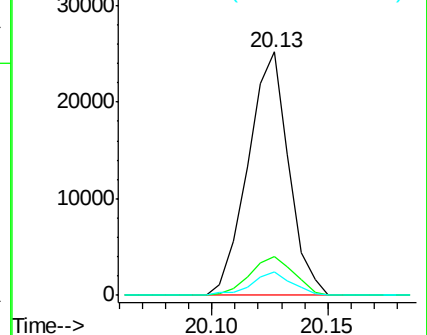
183 9.6 10.2 15.2#



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: 79.489 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040620.D

Acq: 25 Apr 2019 21:09

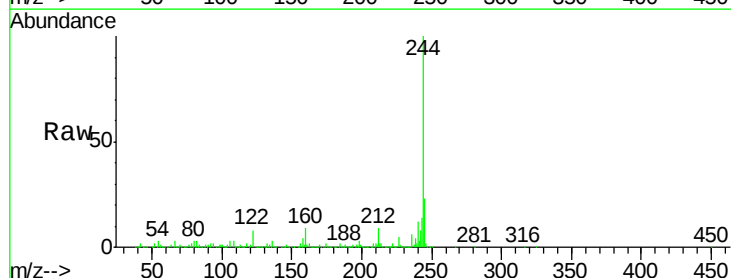
Tgt Ion:244 Resp: 1526219

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

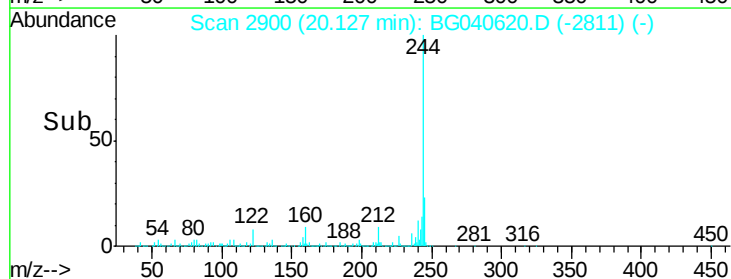
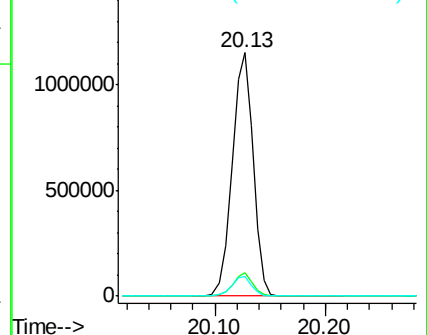
122 8.2 6.6 10.0

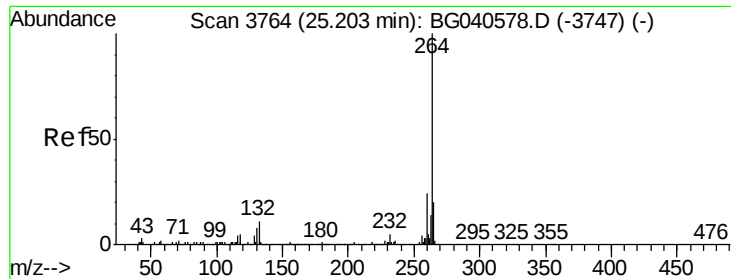


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

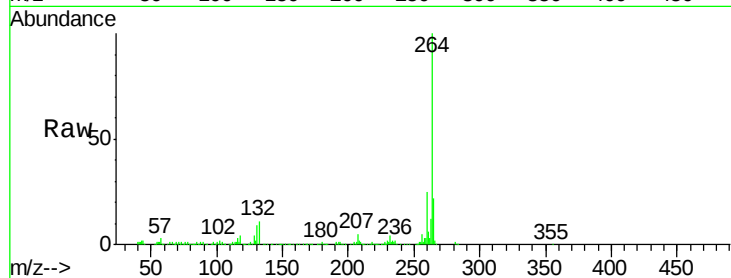




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG040620.D
Acq: 25 Apr 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.8	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

