

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040738.D
 Acq On : 3 May 2019 23:33
 Operator : JU/SJ
 Sample : K2668-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: May 05 23:10:49 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

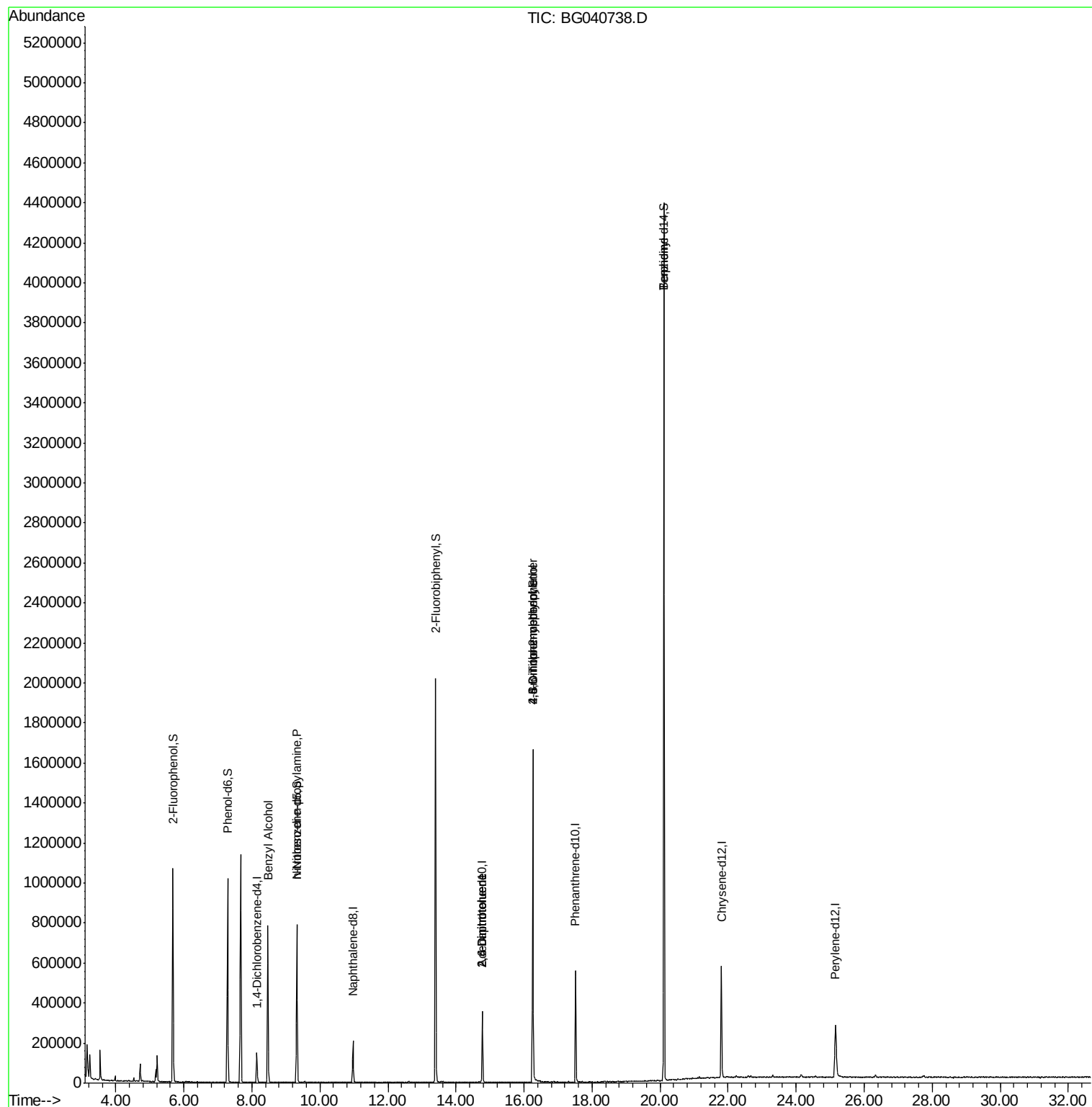
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	37327	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	158796	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	121016	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	336834	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	346596	20.00	ng	-0.03
87) Perylene-d12	25.15	264	347128	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	394560	186.33	ng	0.00
7) Phenol-d6	7.29	99	525061	161.04	ng	0.00
23) Nitrobenzene-d5	9.32	82	456662	132.88	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	304014	182.77	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1006102	120.07	ng	-0.02
79) Terphenyl-d14	20.11	244	2033229	129.96	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1228	Below Cal	Qvalue	# 14
15) Benzyl Alcohol	8.46	79	7724	2.277 ng	#	63
19) n-Nitroso-di-n-propylamine	9.32	70	67308	22.933 ng	#	71
51) 2,6-Dinitrotoluene	14.77	165	15034	7.608 ng	#	13
57) 2,4-Dinitrotoluene	14.77	165	15034	5.599 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.26	198	1240	7.738 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	22756	5.423 ng	#	1
77) Benzidine	20.11	184	39500	4.162 ng	#	94

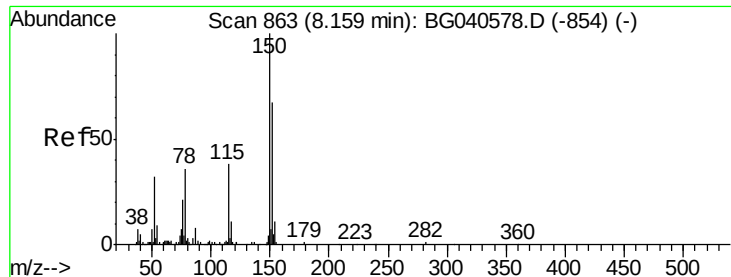
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 05 23:10:49 2019
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QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



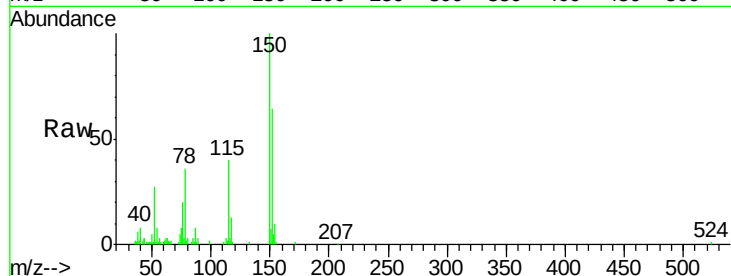


#1

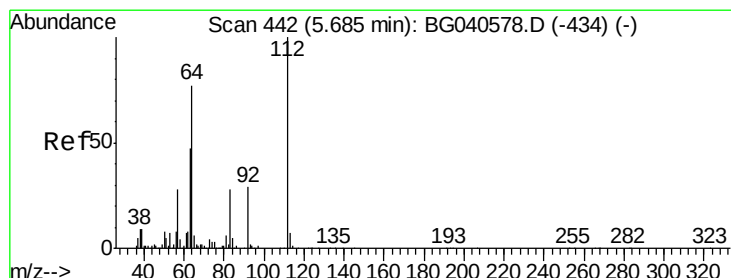
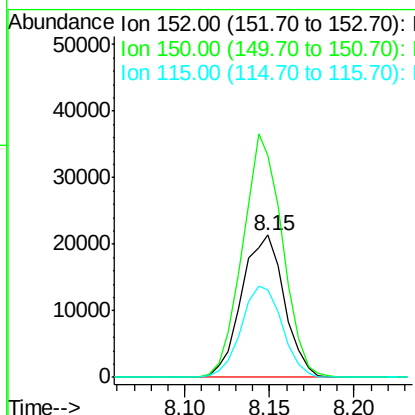
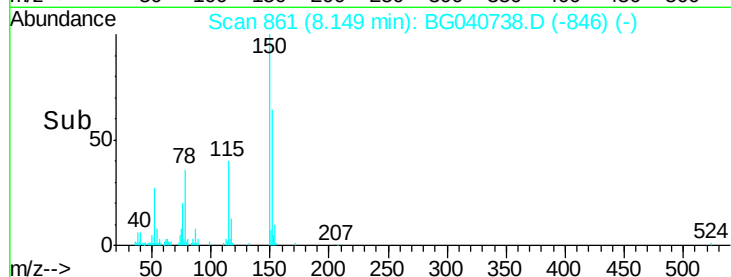
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion:152 Resp: 37327
Ion Ratio Lower Upper
152 100
150 155.9 120.2 180.2
115 61.8 46.2 69.2



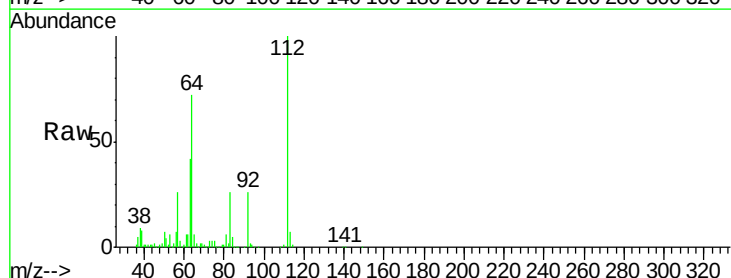
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



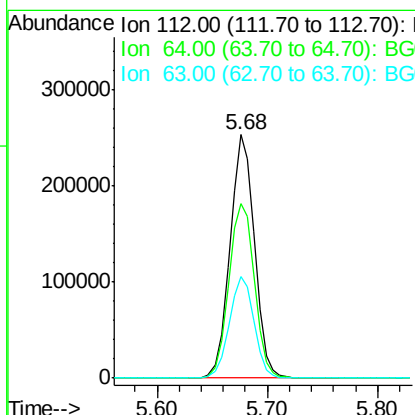
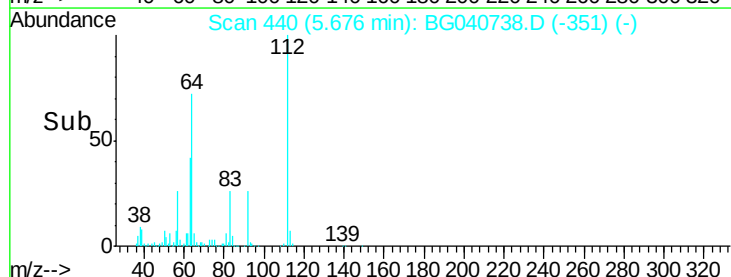
#5

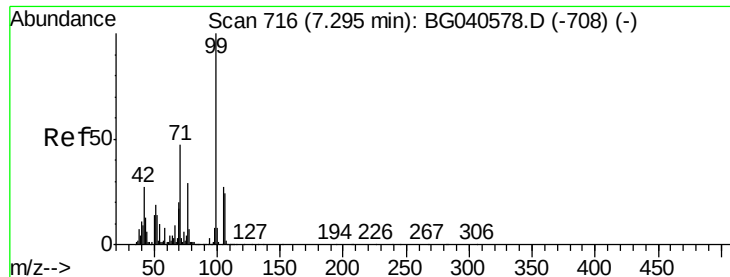
2-Fluorophenol
Concen: 186.331 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

Tgt Ion:112 Resp: 394560
Ion Ratio Lower Upper
112 100
64 71.7 61.4 92.0
63 41.9 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: 161.042 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

Instrument :

BNA_G

ClientSampled :

TP-1

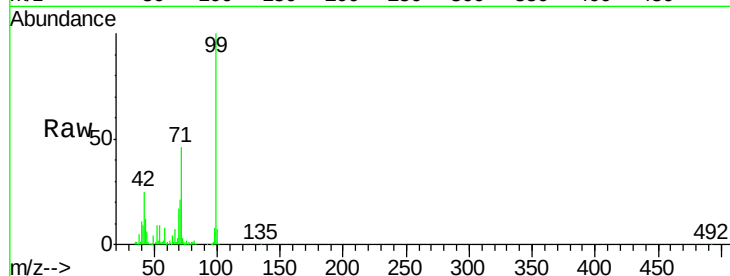
Tot Ion: 99 Resp: 525061

Ion Ratio Lower Upper

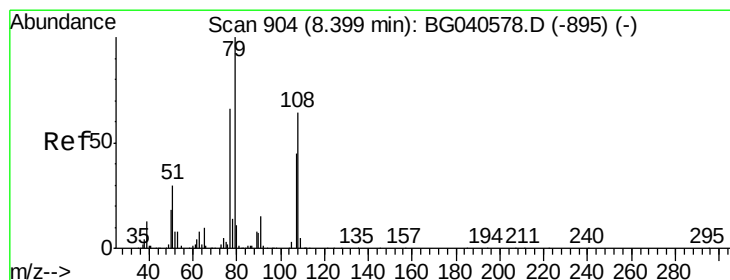
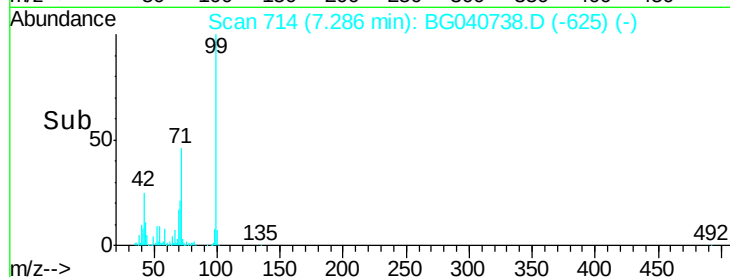
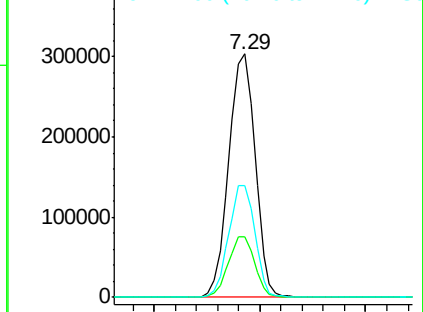
99 100

42 25.0 21.8 32.8

71 45.8 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



#15

Benzyl Alcohol

Concen: 2.277 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.06 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

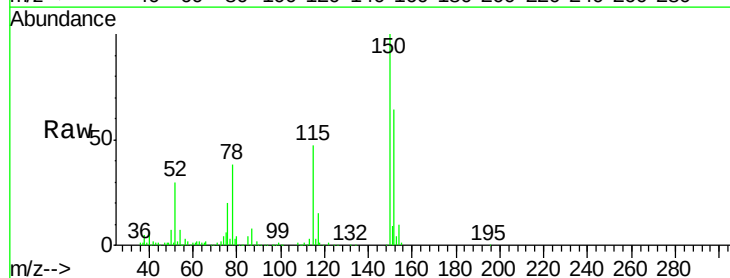
Tgt Ion: 79 Resp: 7724

Ion Ratio Lower Upper

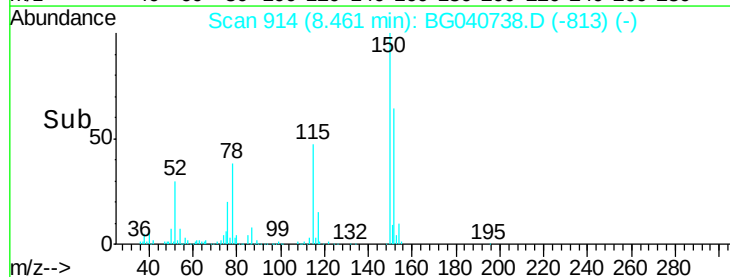
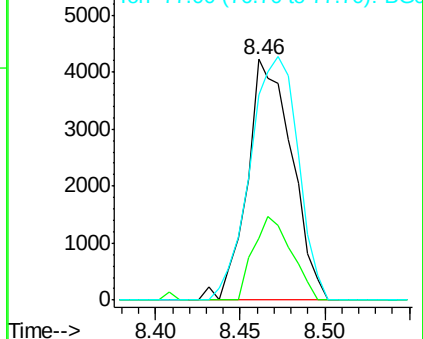
79 100

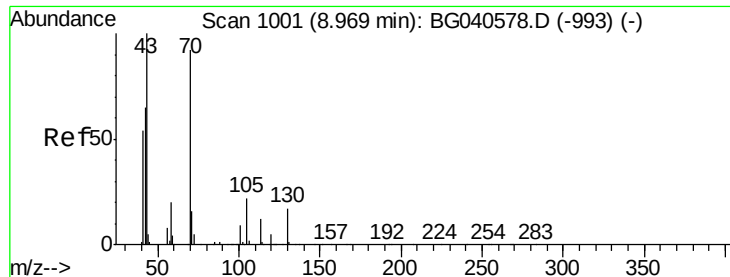
108 25.6 51.4 77.0#

77 85.3 52.6 79.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

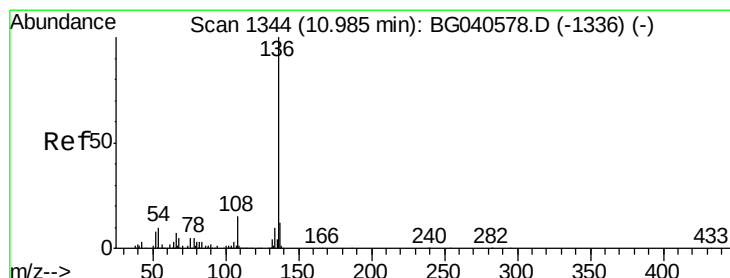
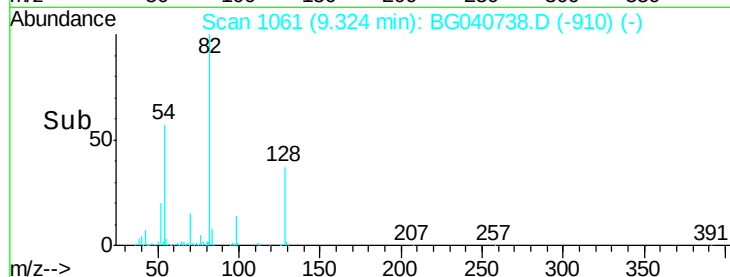
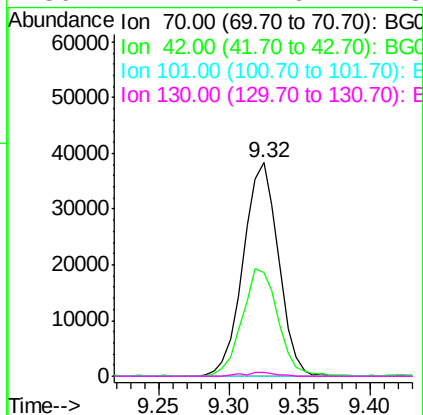
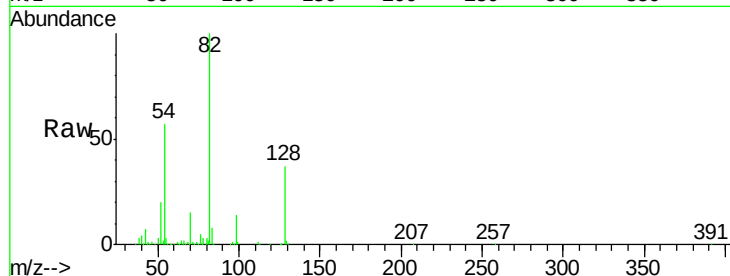




#19
n-Nitroso-di-n-propylamine
Concen: 22.933 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.36 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

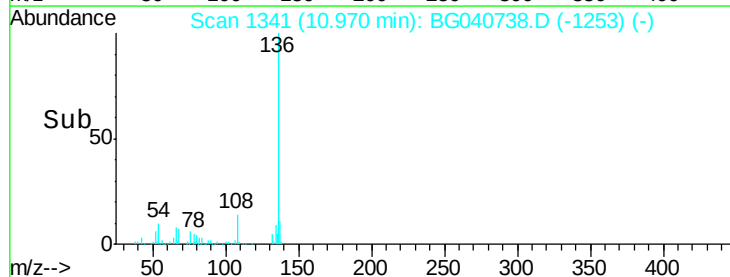
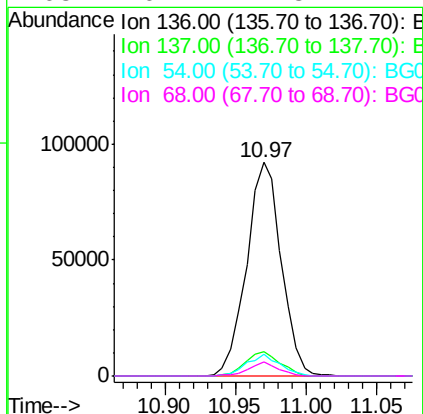
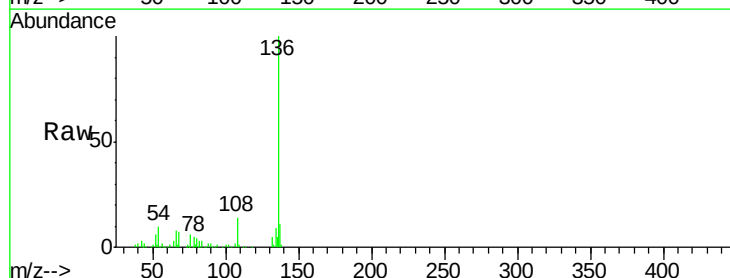
Instrument :
BNA_G
ClientSampleId :
TP-1

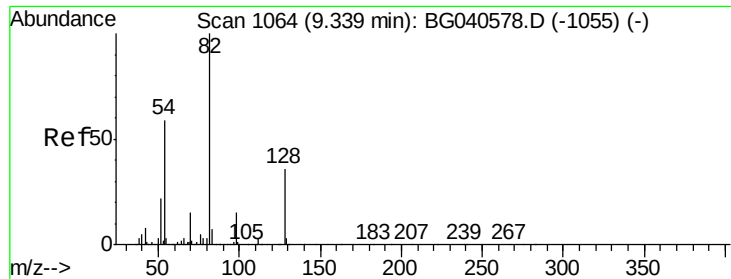
Tot Ion: 70 Resp: 67308
Ion Ratio Lower Upper
70 100
42 48.3 57.1 85.7#
101 0.0 7.8 11.8#
130 1.7 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

Tgt Ion: 136 Resp: 158796
Ion Ratio Lower Upper
136 100
137 11.3 9.7 14.5
54 10.0 8.6 12.8
68 6.7 4.8 7.2

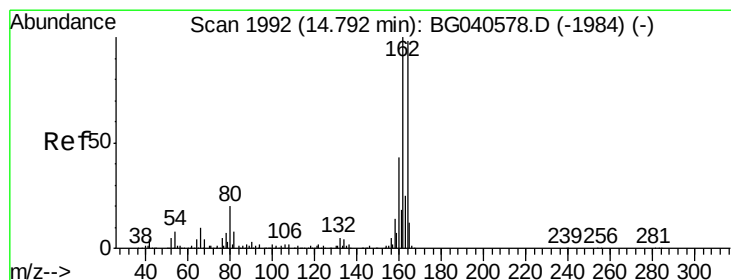
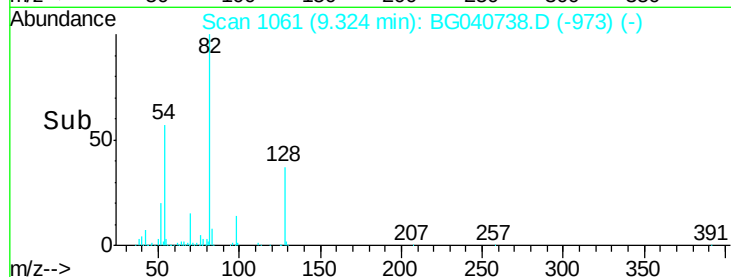
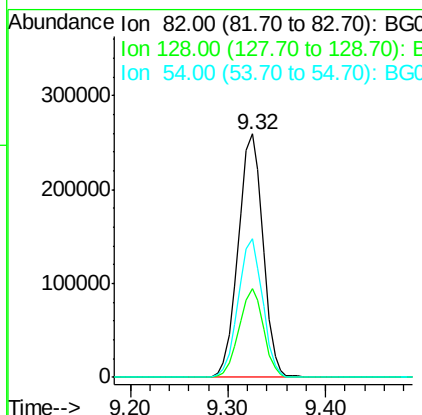
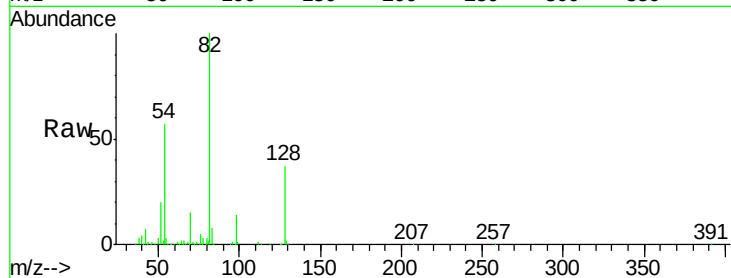




#23
 Nitrobenzene-d5
 Concen: 132.879 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040738.D
 Acq: 3 May 2019 23:33

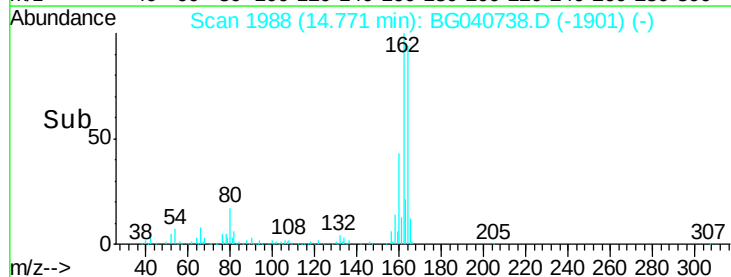
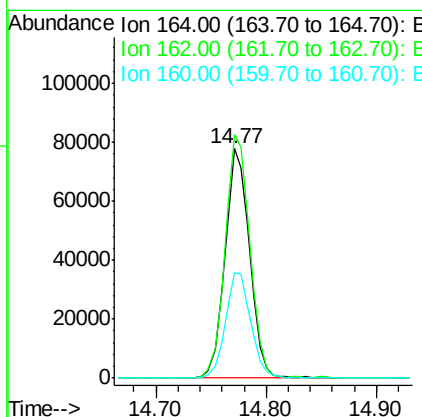
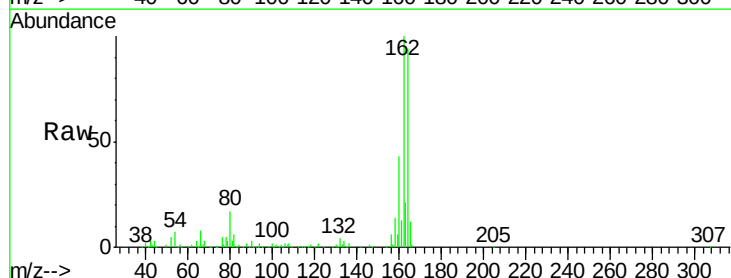
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

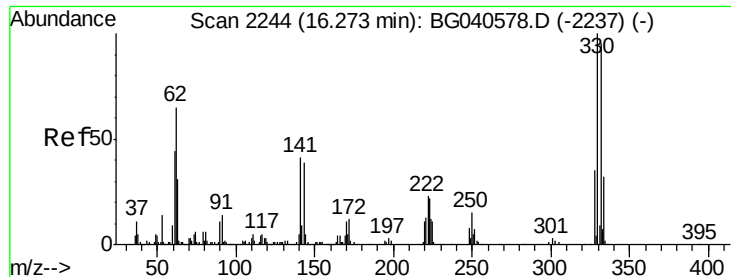
Tot Ion	82	Resp	456662
Ion Ratio	Lower	Upper	
82	100		
128	36.6	28.9	43.3
54	57.0	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040738.D
 Acq: 3 May 2019 23:33

Tgt Ion	164	Resp	121016
Ion Ratio	Lower	Upper	
164	100		
162	106.2	81.9	122.9
160	46.1	35.4	53.2

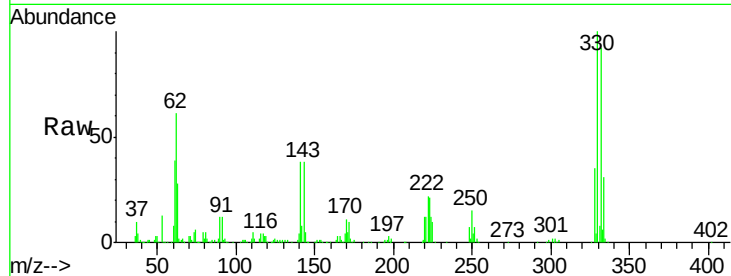




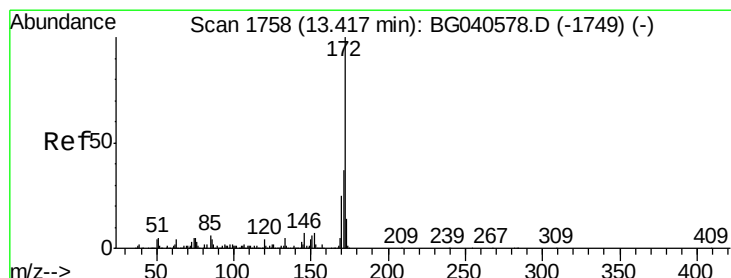
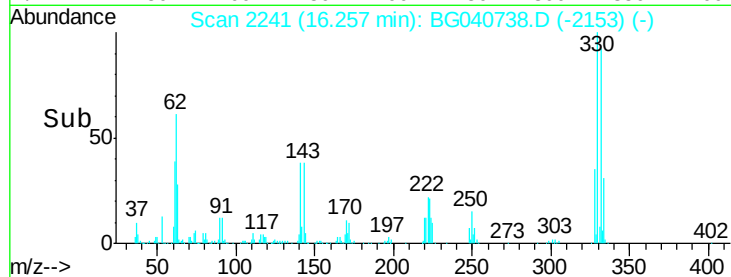
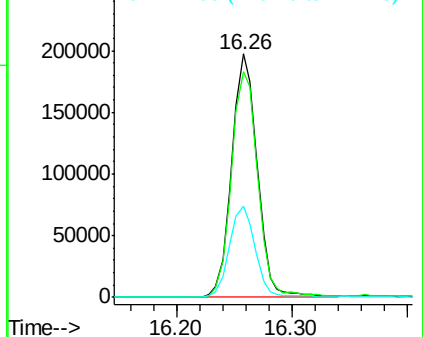
#42
 2,4,6-Tribromophenol
 Concen: 182.767 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040738.D
 Acq: 3 May 2019 23:33

Instrument :
 BNA_G
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.9	113.9
141	38.3	32.4	48.6

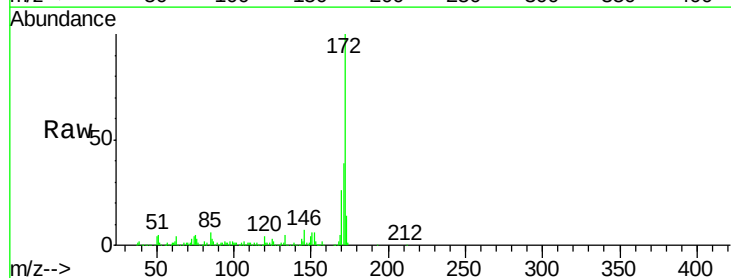


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

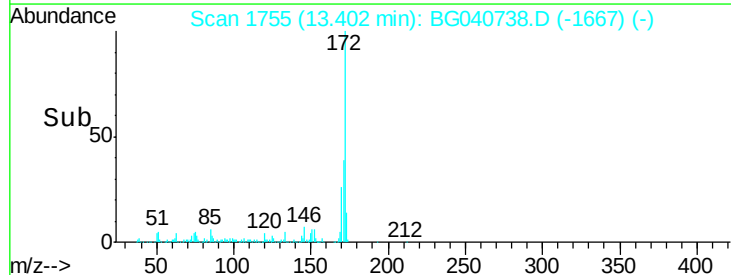
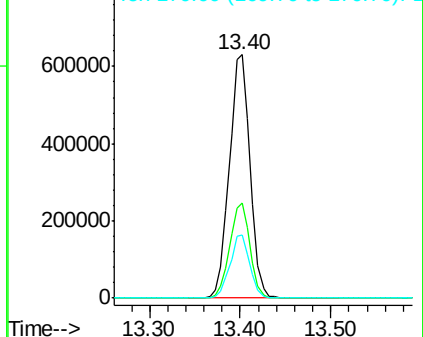


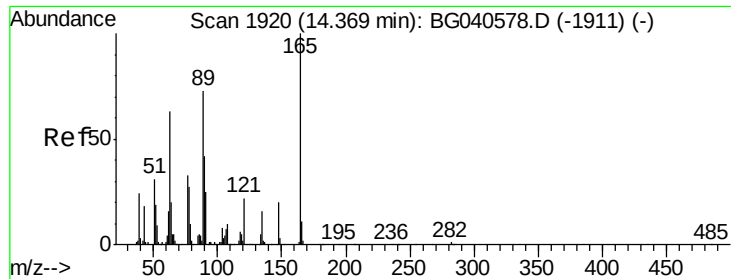
#45
 2-Fluorobiphenyl
 Concen: 120.068 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040738.D
 Acq: 3 May 2019 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	29.4	44.2
170	26.2	19.9	29.9



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: 7.608 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

Instrument :

BNA_G

ClientSampleId :

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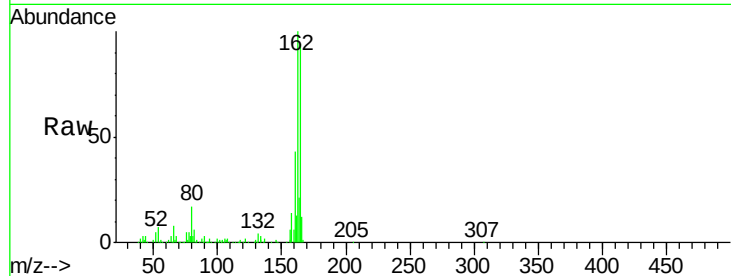
Tot Ion:165 Resp: 15034

Ion Ratio Lower Upper

165 100

63 0.0 61.0 91.4#

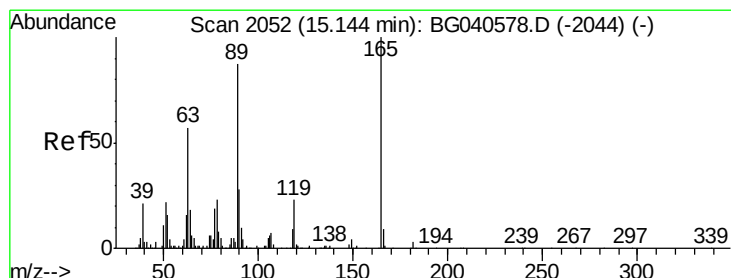
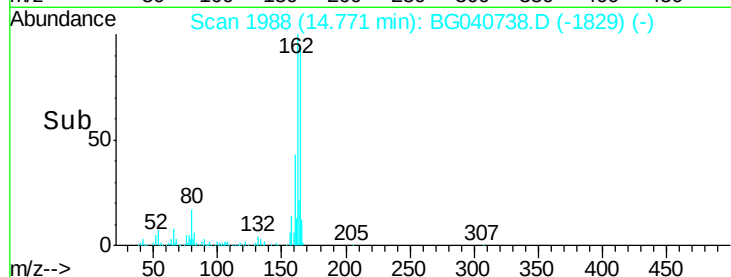
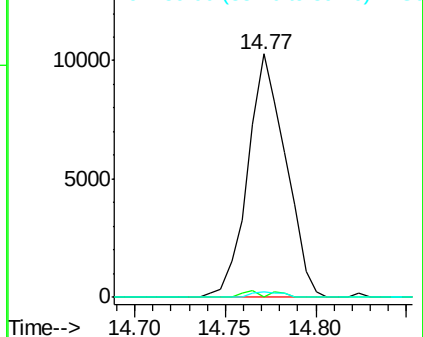
89 2.3 58.6 87.8#



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: 5.599 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.37 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

Tgt Ion:165 Resp: 15034

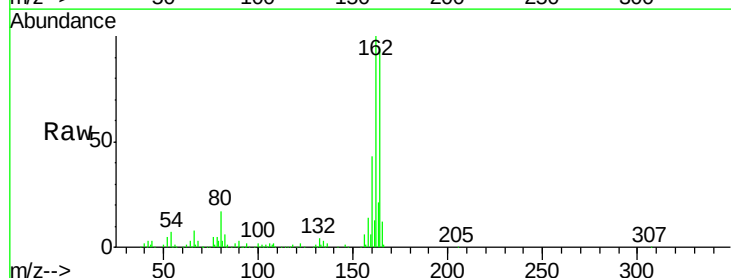
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 2.3 69.4 104.2#

182 0.0 2.2 3.4#

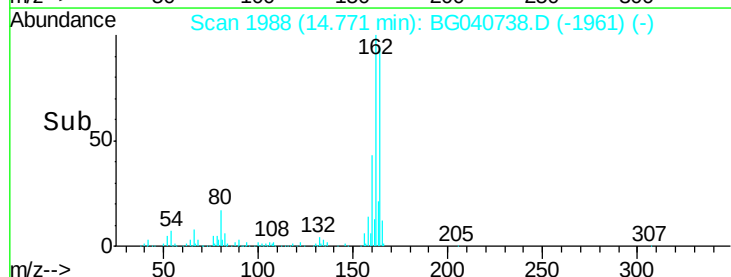
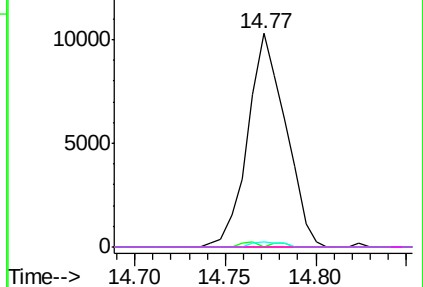


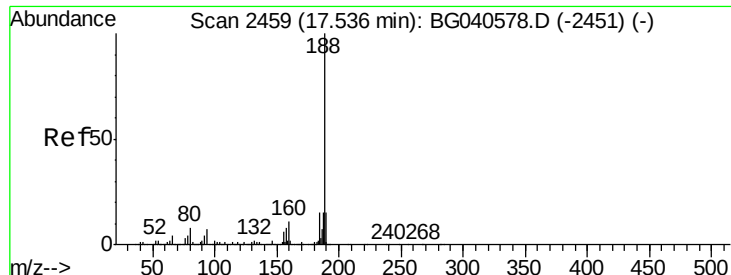
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

Instrument :

BNA_G

ClientSampleId :

TP-1

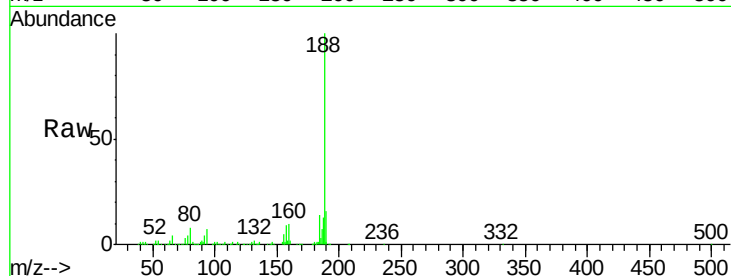
Tot Ion:188 Resp: 336834

Ion Ratio Lower Upper

188 100

94 7.0 5.6 8.4

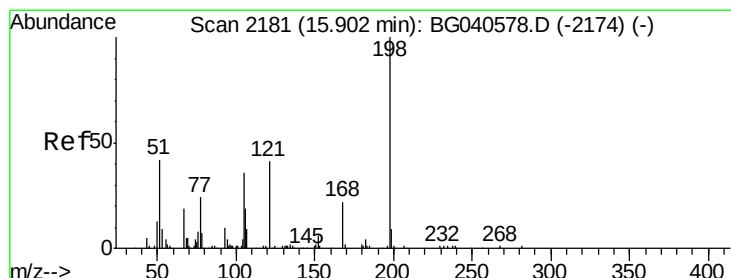
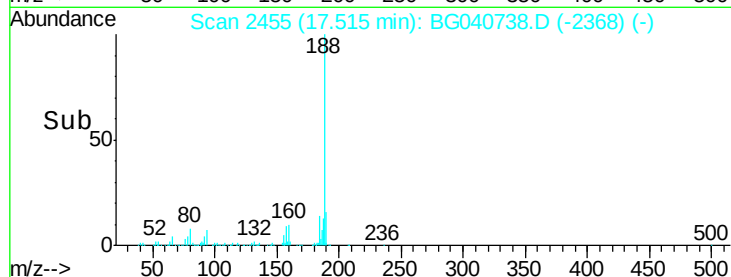
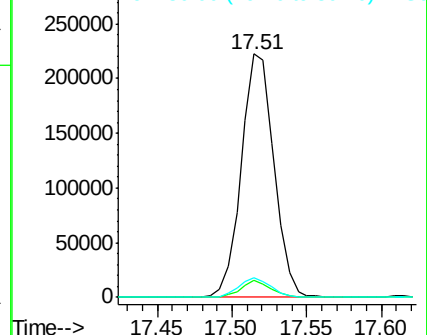
80 8.3 6.4 9.6



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: 7.738 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.36 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

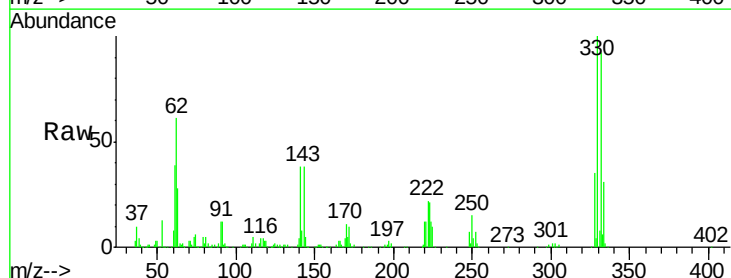
Tgt Ion:198 Resp: 1240

Ion Ratio Lower Upper

198 100

51 118.3 35.9 75.9#

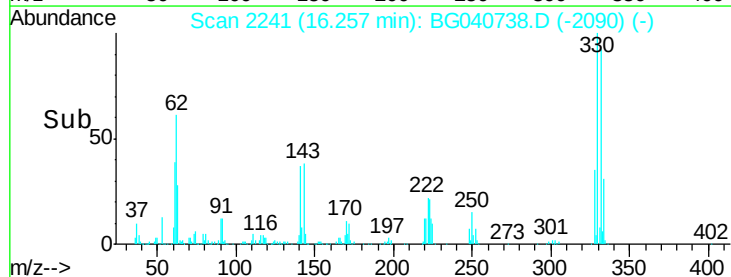
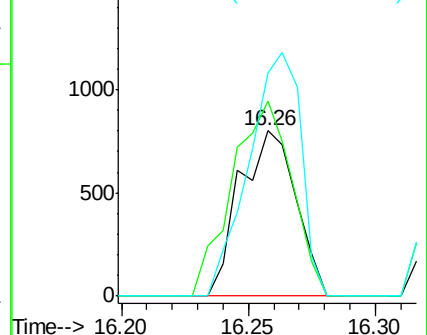
105 135.4 21.2 61.2#

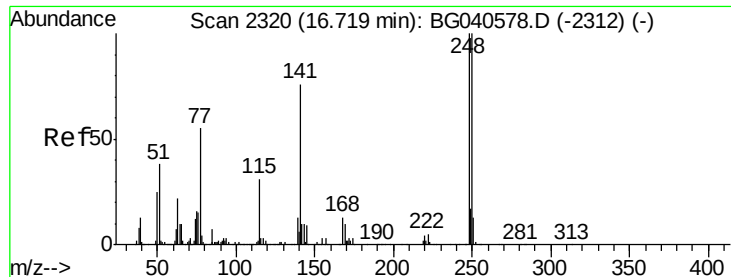


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

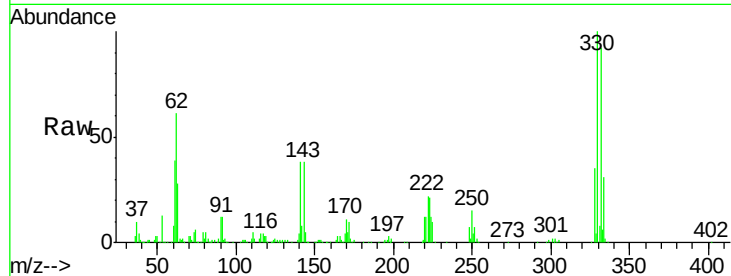




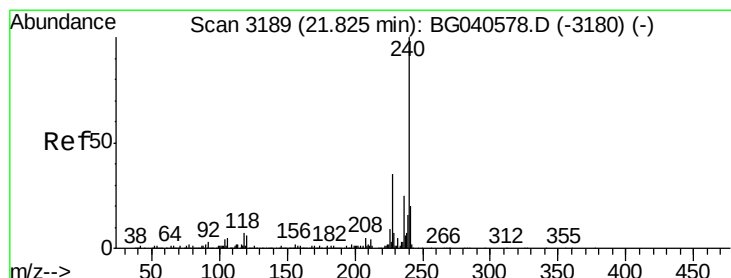
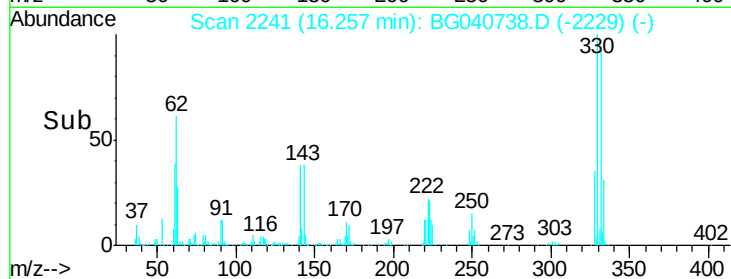
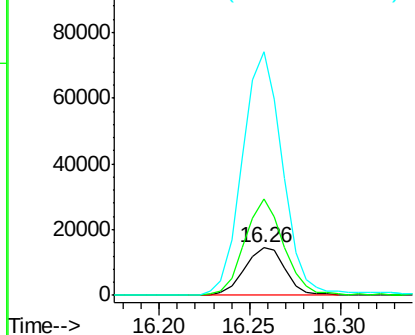
#67
4-Bromophenyl-phenylether
Concen: 5.423 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion:248 Resp: 22756
Ion Ratio Lower Upper
248 100
250 201.1 79.8 119.6#
141 510.8 60.8 91.2#

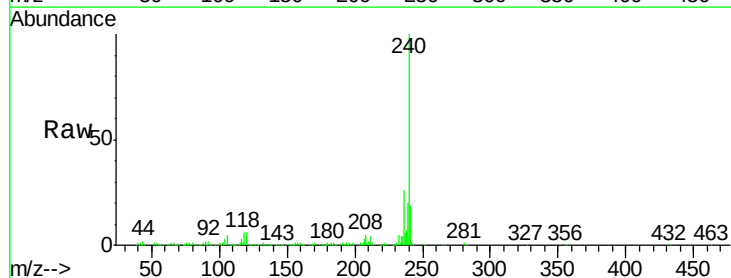


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

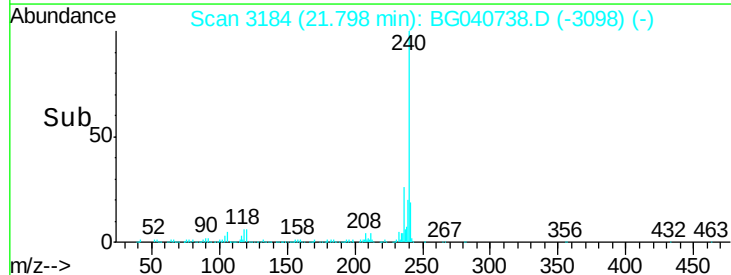
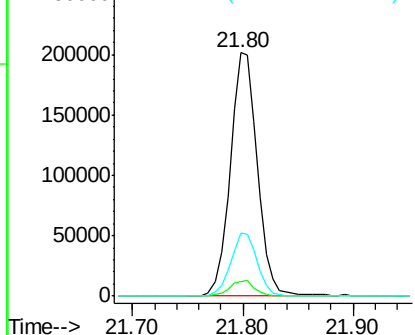


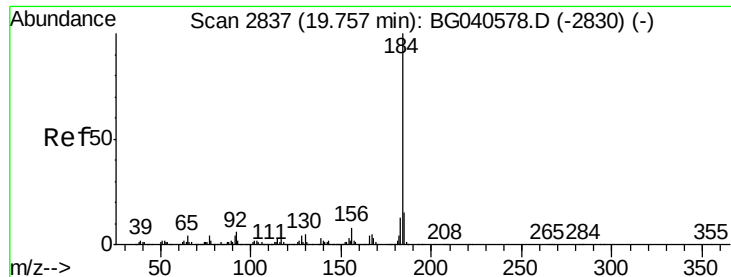
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040738.D
Acq: 3 May 2019 23:33

Tgt Ion:240 Resp: 346596
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.6
236 25.7 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: 4.162 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.36 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

Instrument :

BNA_G

ClientSampleId :

TP-1

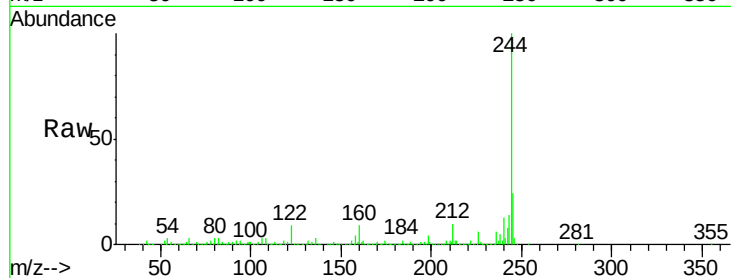
Tot Ion:184 Resp: 39500

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8#

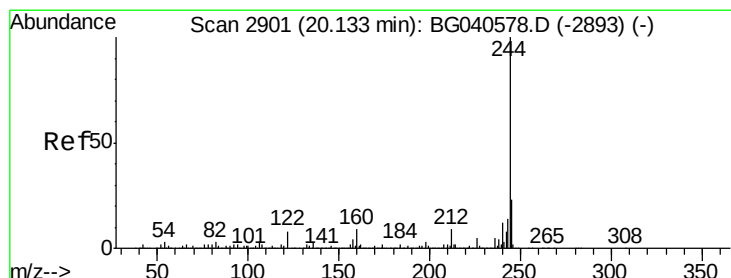
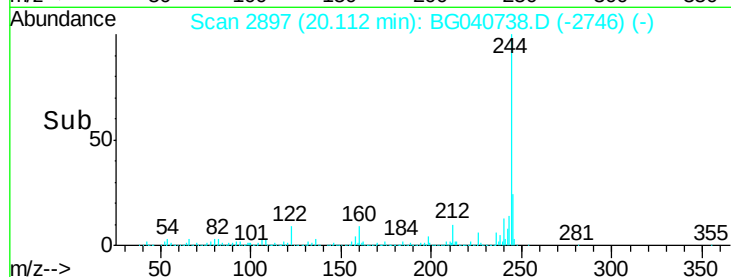
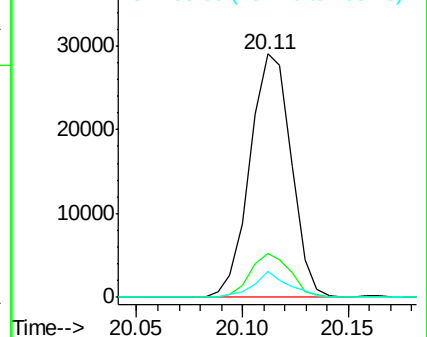
183 10.7 10.2 15.2



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: 129.963 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040738.D

Acq: 3 May 2019 23:33

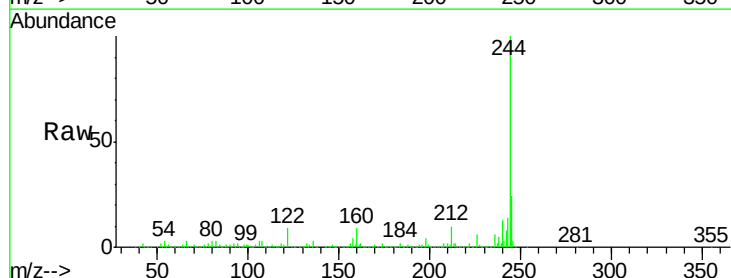
Tgt Ion:244 Resp: 2033229

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

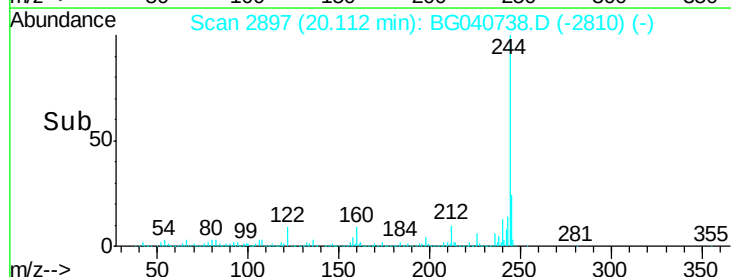
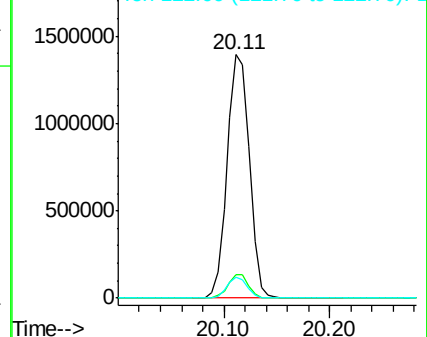
122 8.8 6.6 10.0

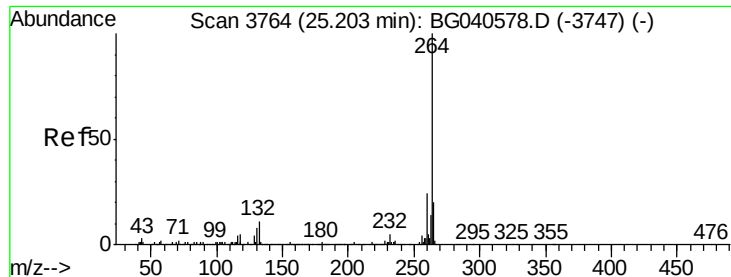


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

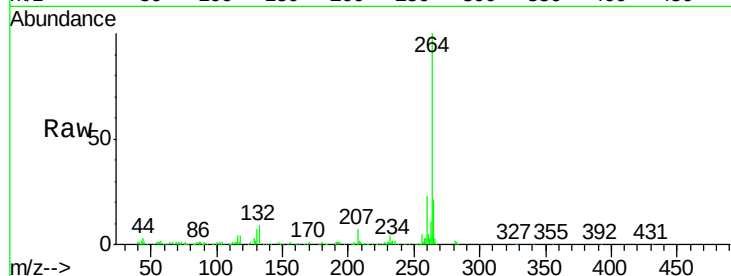




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.15 min Scan# 3755
 Delta R.T. -0.05 min
 Lab File: BG040738.D
 Acq: 3 May 2019 23:33

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.0	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

