

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040818.D
 Acq On : 9 May 2019 12:07
 Operator : HP/JU
 Sample : K2645-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 15:00:40 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

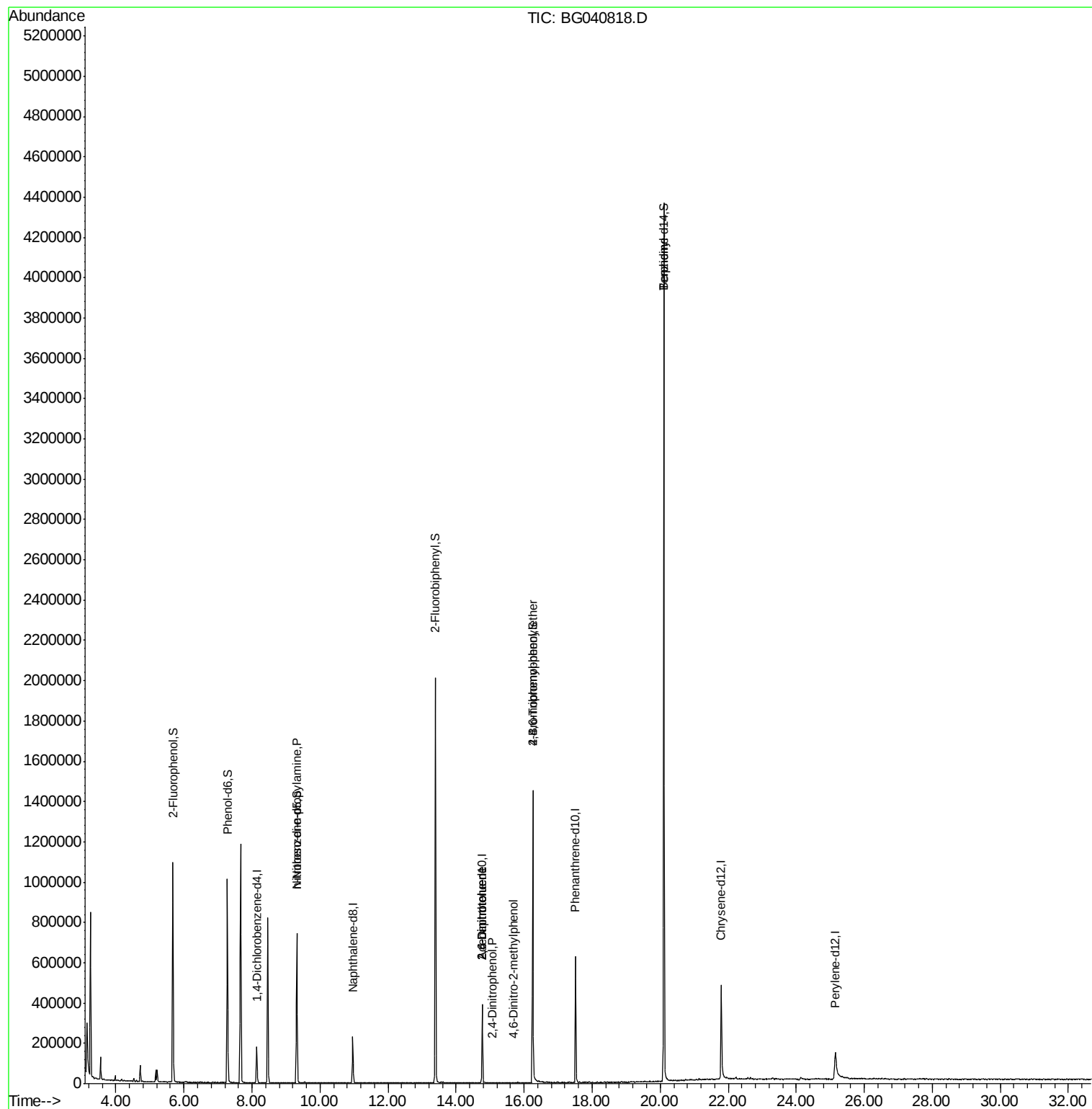
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44852	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	179991	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	134602	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	372467	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	354526	20.00	ng	-0.03
87) Perylene-d12	25.15	264	230244	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	387737	152.39	ng	-0.01
7) Phenol-d6	7.28	99	510898	130.41	ng	-0.02
23) Nitrobenzene-d5	9.32	82	457434	117.43	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	272958	147.53	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	994941	106.75	ng	-0.02
79) Terphenyl-d14	20.11	244	1996670	124.77	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1139	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	64943	18.415 ng	#	72
51) 2,6-Dinitrotoluene	14.77	165	17394	7.914 ng	#	14
54) 2,4-Dinitrophenol	15.05	184	66	7.063 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	17394	5.824 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.69	198	64	7.131 ng	#	28
67) 4-Bromophenyl-phenylether	16.25	248	19974	4.304 ng	#	1
77) Benzydine	20.11	184	37016	3.813 ng	#	90

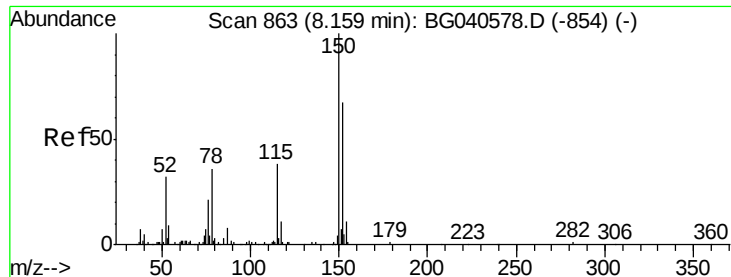
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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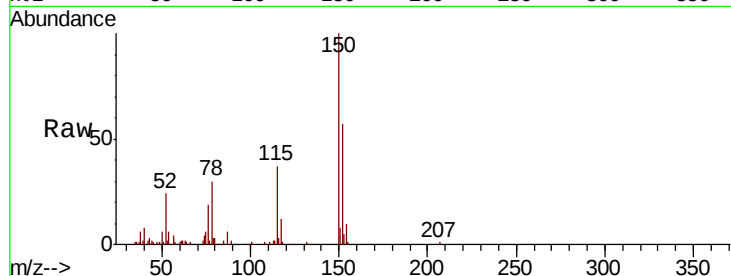


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040818.D
Acq: 9 May 2019 12:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	174.4	120.2	180.2
115	64.9	46.2	69.2

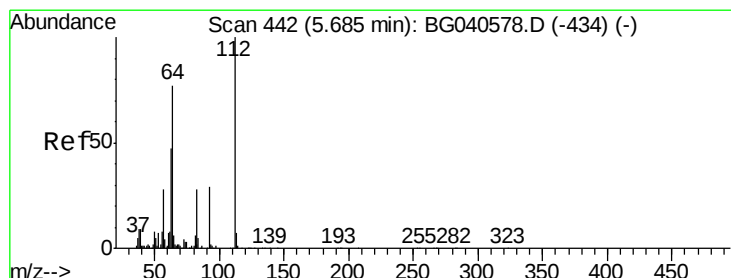
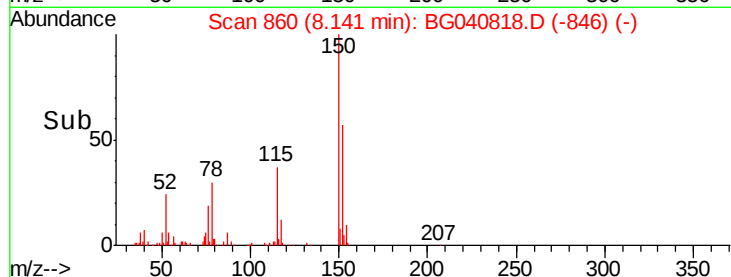
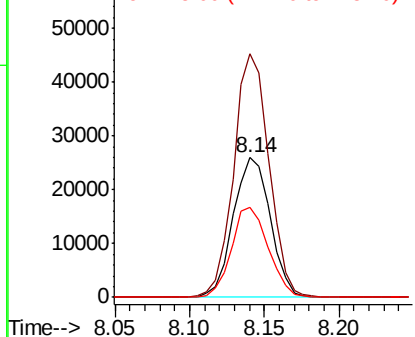


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

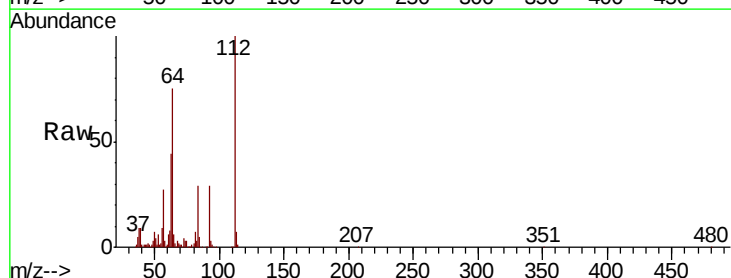
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 152.388 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040818.D
Acq: 9 May 2019 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	61.4	92.0
63	43.8	37.8	56.6

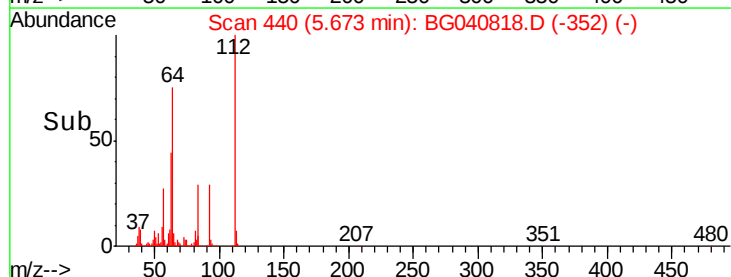
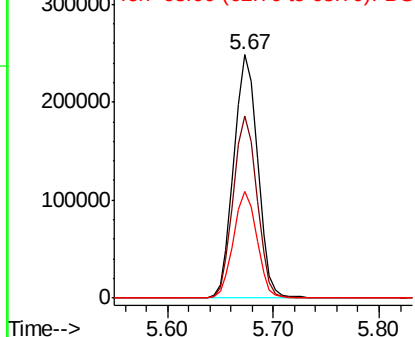


Abundance

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: 130.408 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

Instrument :

BNA_G

ClientSampleId :

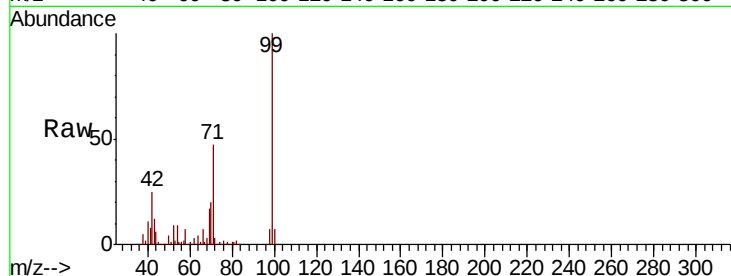
Tot Ion: 99 Resp: 510898

Ion Ratio Lower Upper

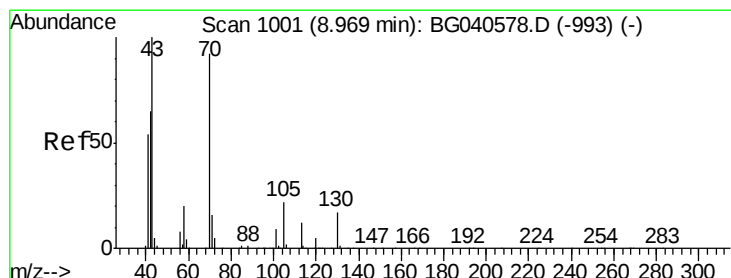
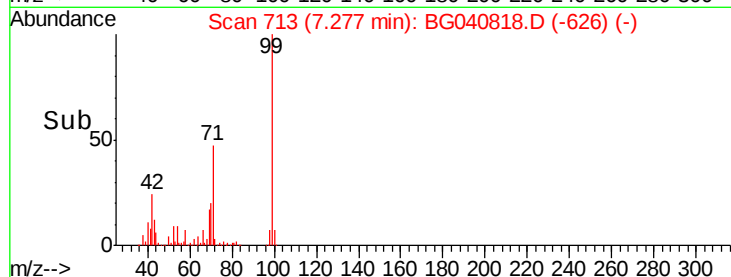
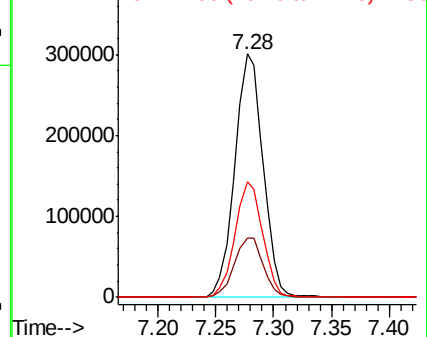
99 100

42 24.5 21.8 32.8

71 47.3 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: 18.415 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

Tgt Ion: 70 Resp: 64943

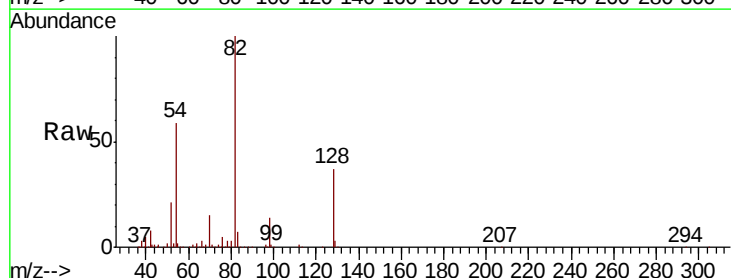
Ion Ratio Lower Upper

70 100

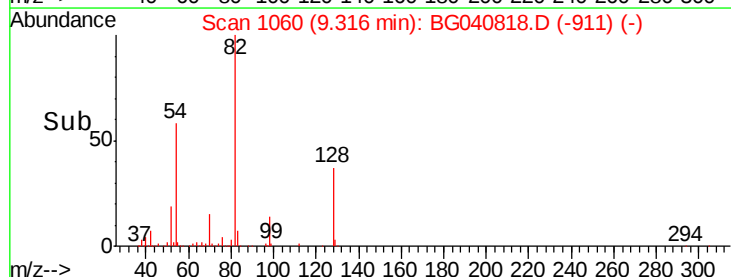
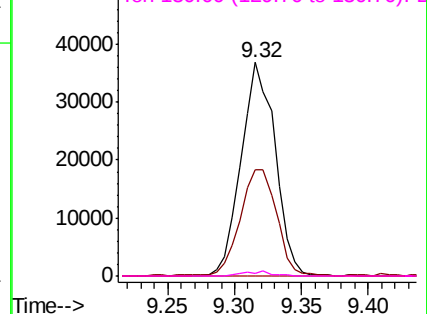
42 49.9 57.1 85.7#

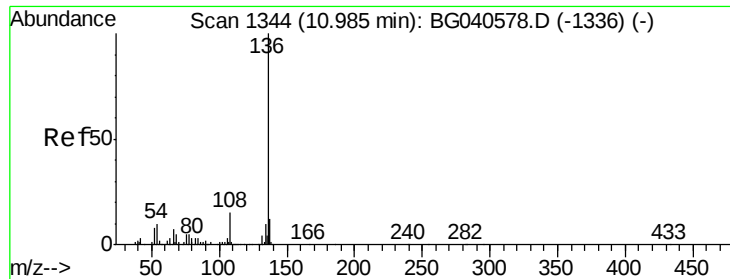
101 0.0 7.8 11.8#

130 1.4 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

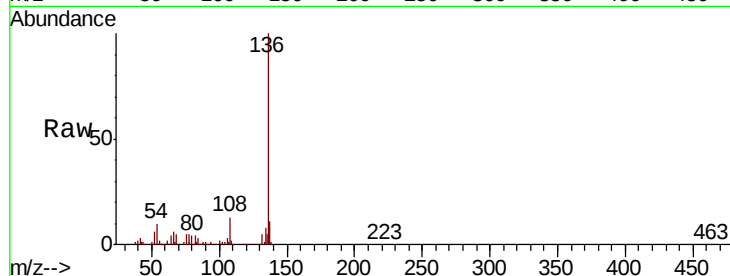




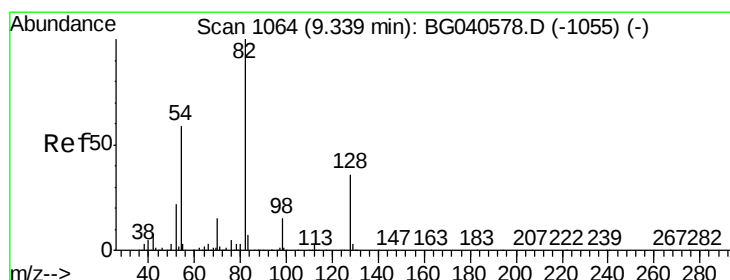
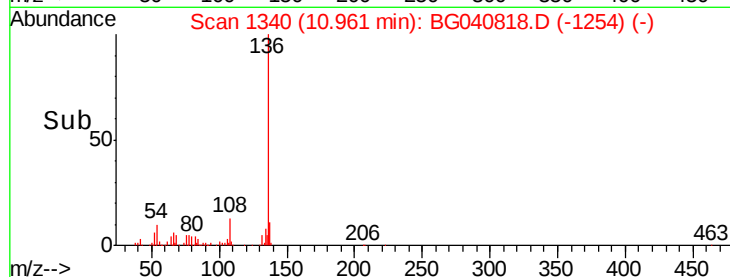
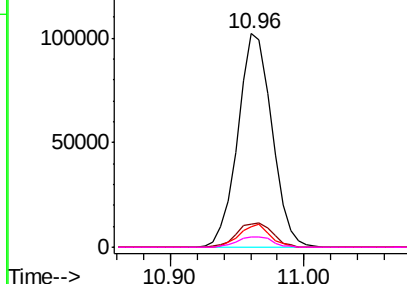
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040818.D
Acq: 9 May 2019 12:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	179991
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.7 14.5
54	9.9	8.6 12.8
68	5.0	4.8 7.2

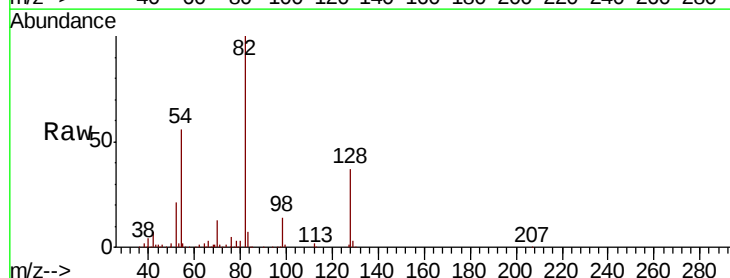


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

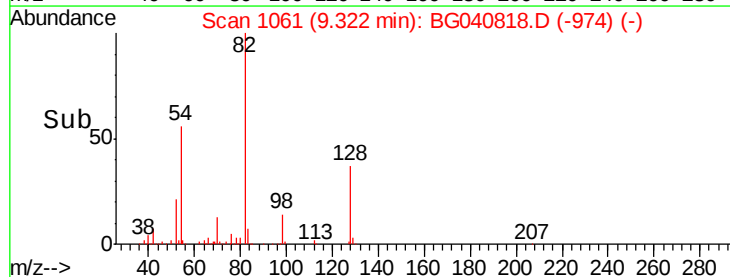
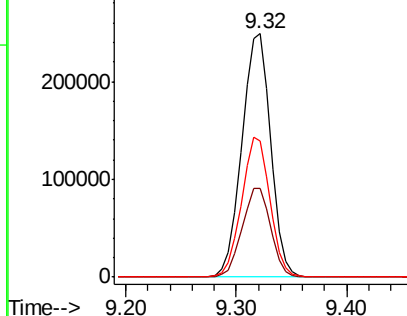


#23
Nitrobenzene-d5
Concen: 117.430 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040818.D
Acq: 9 May 2019 12:07

Tgt Ion: 82	Resp:	457434
Ion	Ratio	Lower Upper
82	100	
128	36.6	28.9 43.3
54	56.1	47.2 70.8



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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

Instrument :

BNA_G

ClientSampleId :

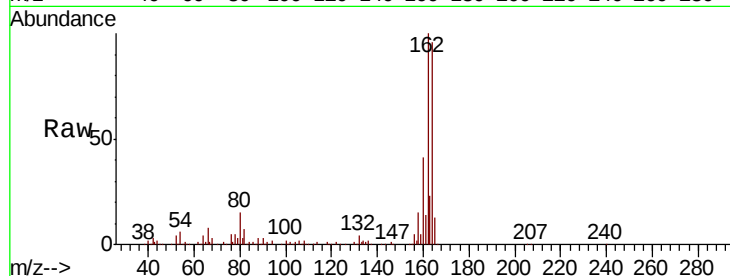
Tot Ion:164 Resp: 134602

Ion Ratio Lower Upper

164 100

162 104.4 81.9 122.9

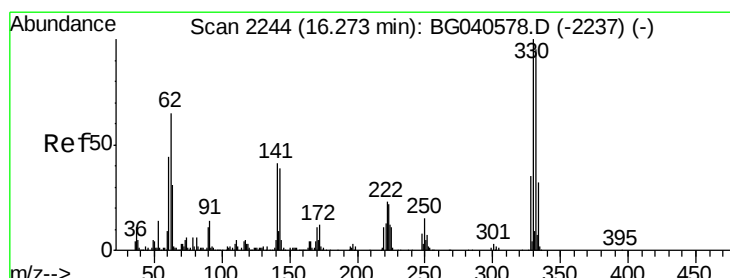
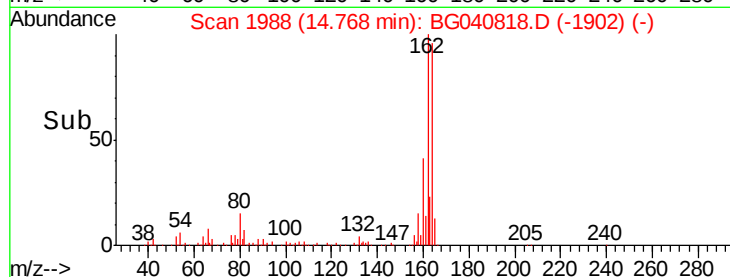
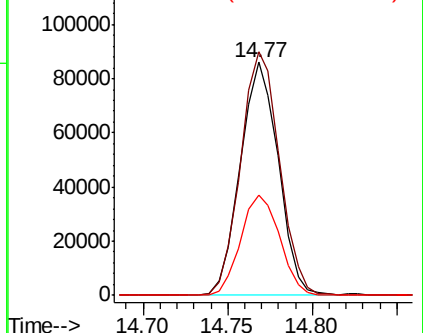
160 42.9 35.4 53.2



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: 147.534 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

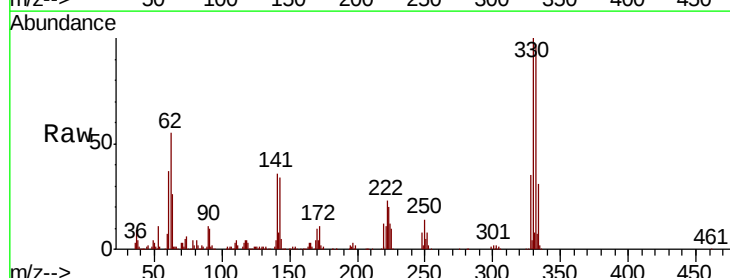
Tgt Ion:330 Resp: 272958

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

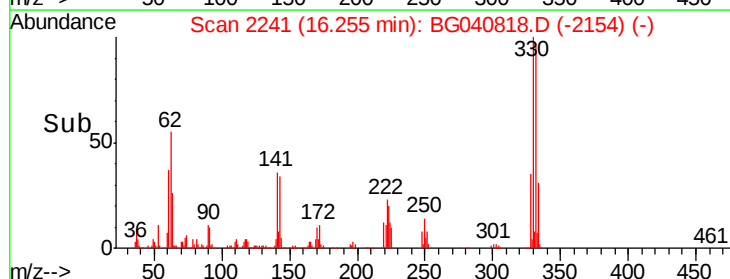
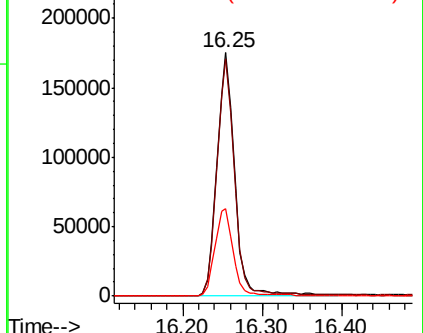
141 36.3 32.4 48.6



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

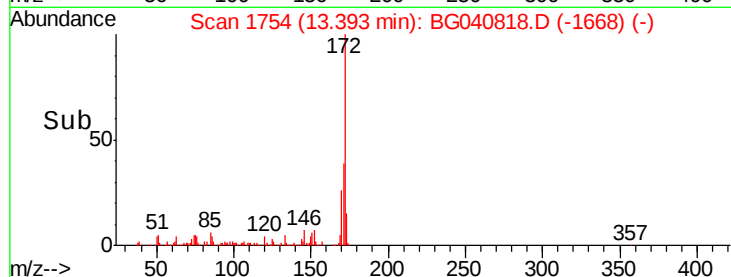
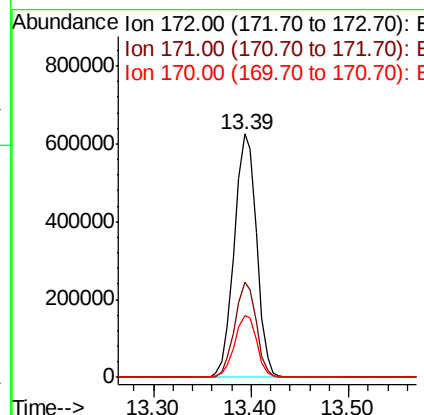
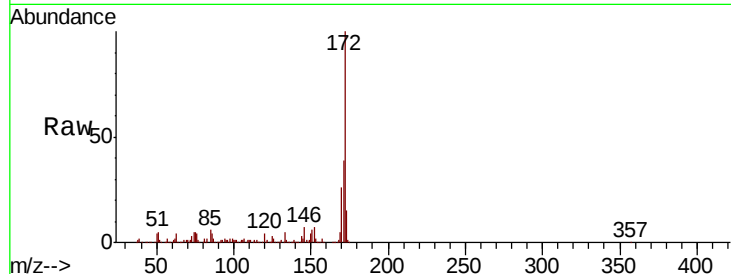




#45
 2-Fluorobiphenyl
 Concen: 106.751 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

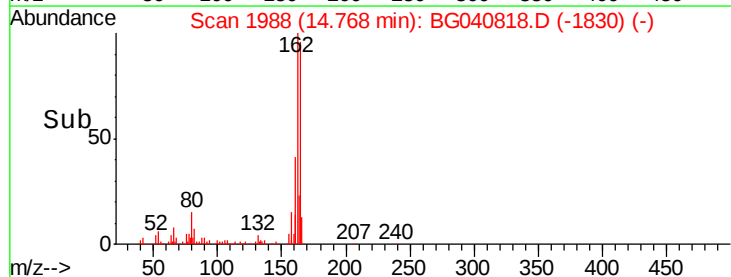
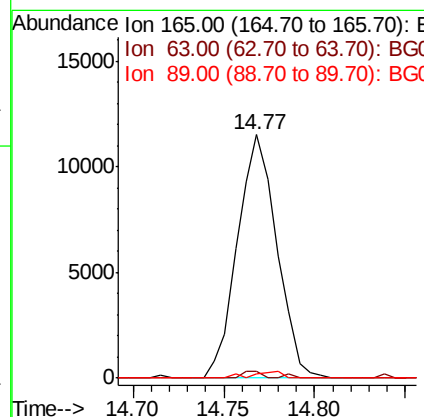
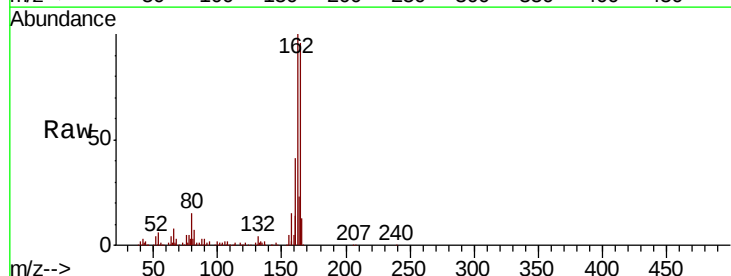
Instrument :
 BNA_G
 ClientSampleId :

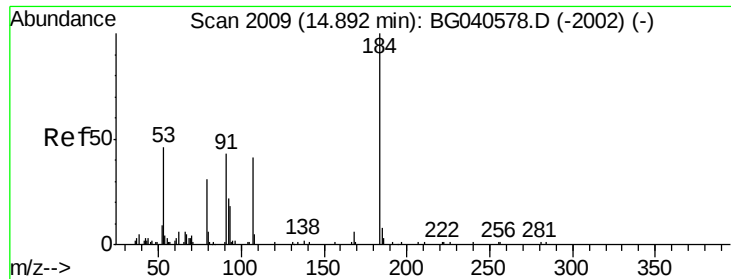
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	29.4	44.2
170	25.5	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.914 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	61.0	91.4#
89	1.5	58.6	87.8#

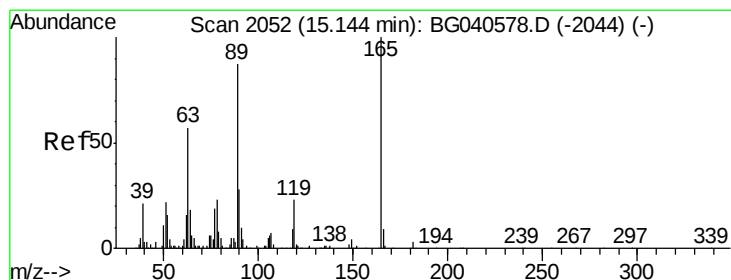
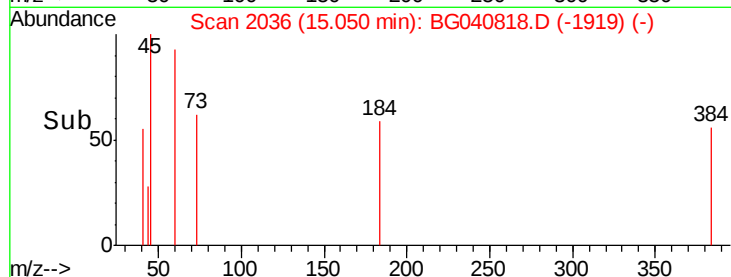
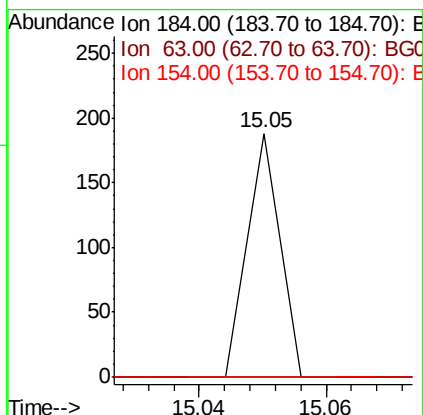
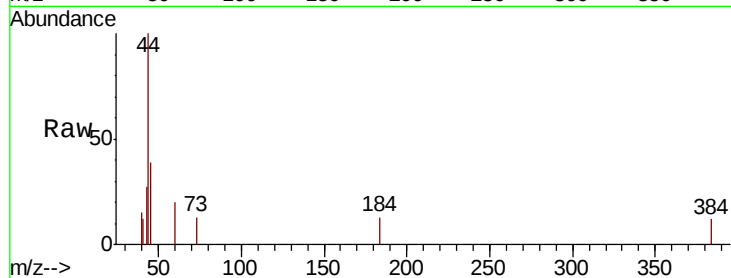




#54
 2,4-Dinitrophenol
 Concen: 7.063 ng
 RT: 15.05 min Scan# 2036
 Delta R.T. 0.16 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

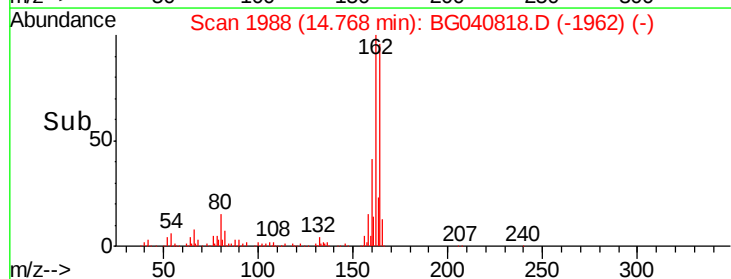
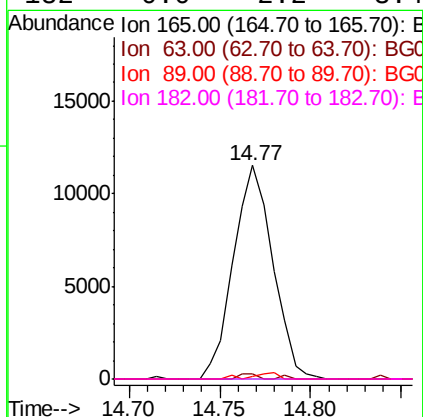
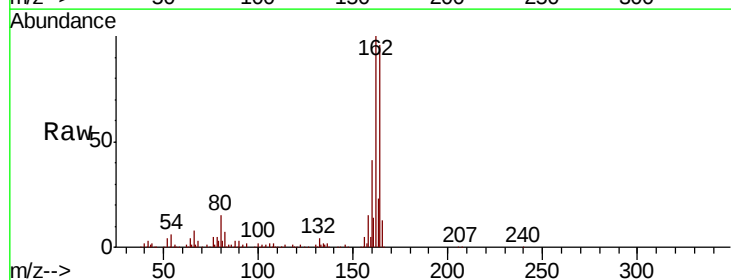
Instrument :
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 ClientSampleId :

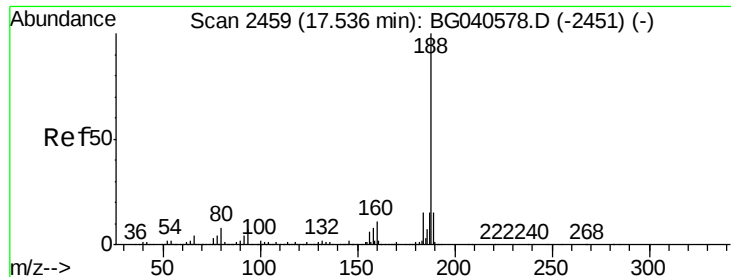
Tot Ion:184 Resp: 66
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.8 77.6#
 154 0.0 43.6 65.4#



#57
 2,4-Dinitrotoluene
 Concen: 5.824 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

Tgt Ion:165 Resp: 17394
 Ion Ratio Lower Upper
 165 100
 63 2.6 45.8 68.8#
 89 1.5 69.4 104.2#
 182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

Instrument :

BNA_G

ClientSampleId :

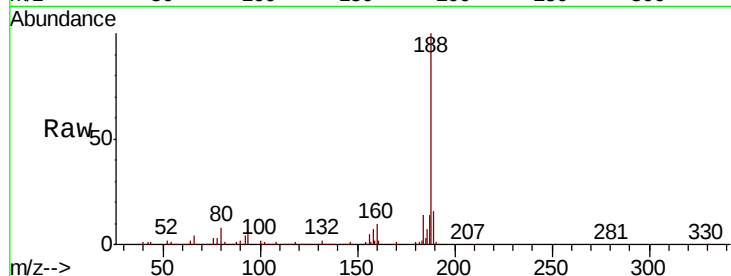
Tot Ion:188 Resp: 372467

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

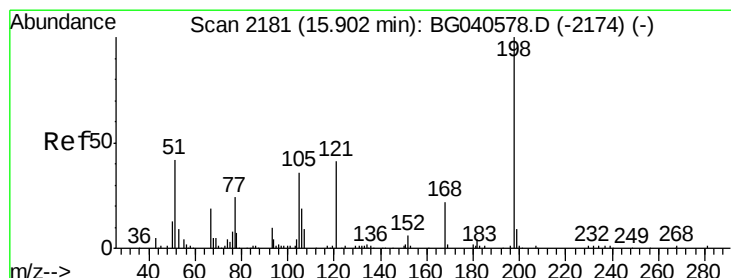
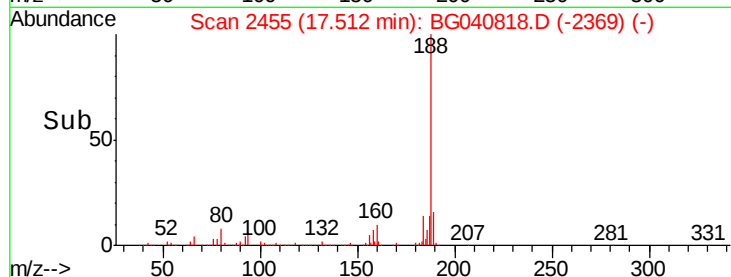
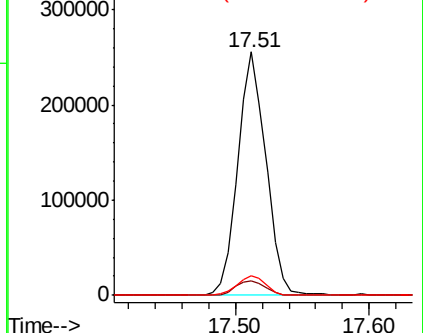
80 8.3 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.131 ng

RT: 15.69 min Scan# 2145

Delta R.T. -0.21 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

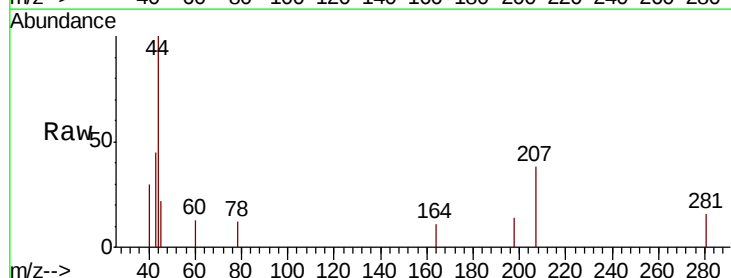
Tgt Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

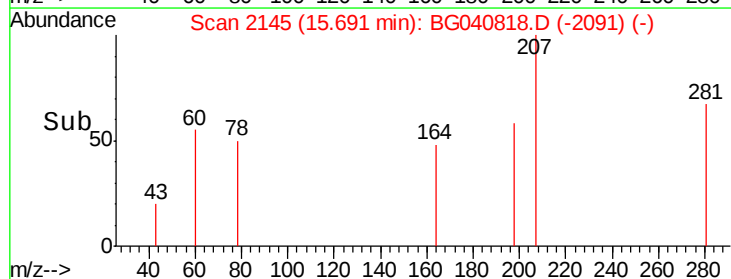
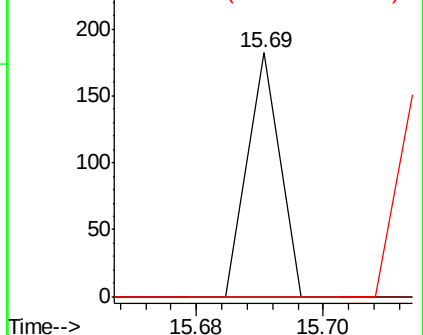
105 0.0 21.2 61.2#

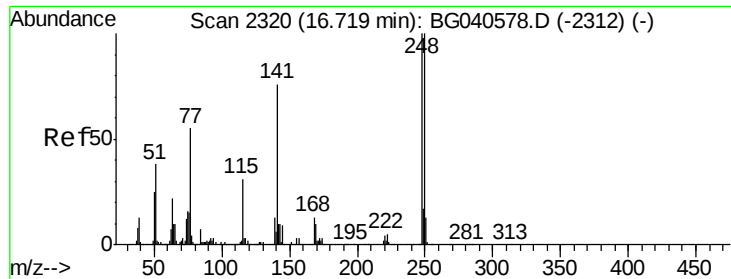


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

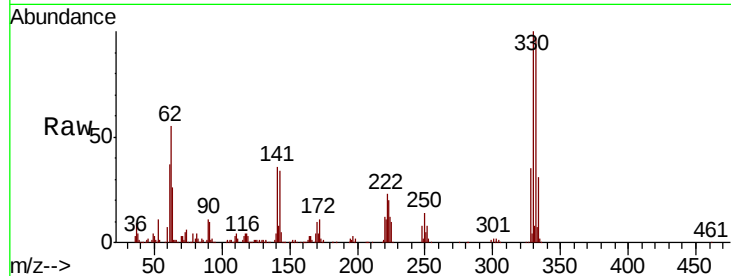




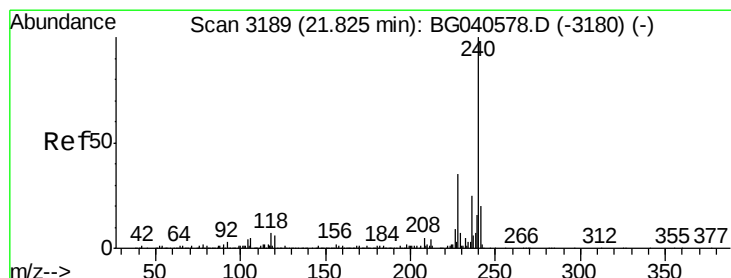
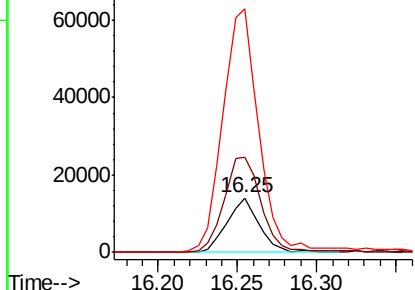
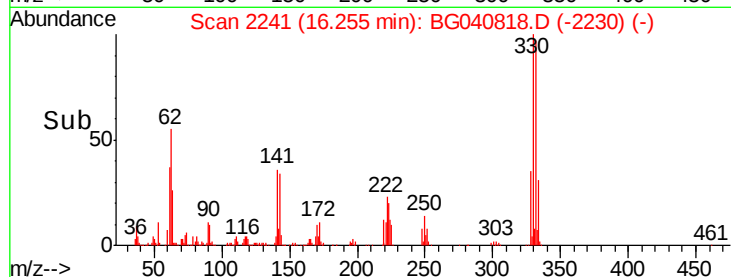
#67
 4-Bromophenyl-phenylether
 Concen: 4.304 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 19974
 Ion Ratio Lower Upper
 248 100
 250 174.0 79.8 119.6#
 141 446.9 60.8 91.2#

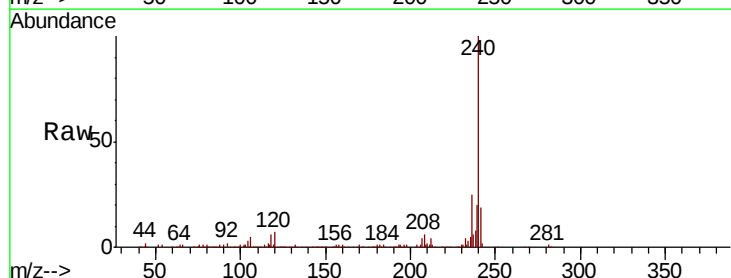


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

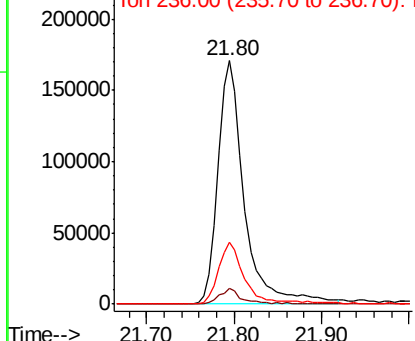
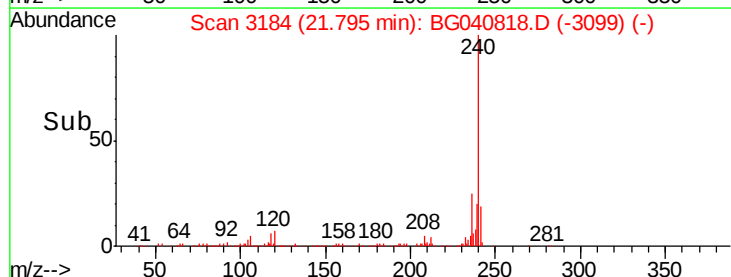


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040818.D
 Acq: 9 May 2019 12:07

Tgt Ion:240 Resp: 354526
 Ion Ratio Lower Upper
 240 100
 120 6.6 5.0 7.6
 236 25.3 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: 3.813 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

Instrument :

BNA_G

ClientSampleId :

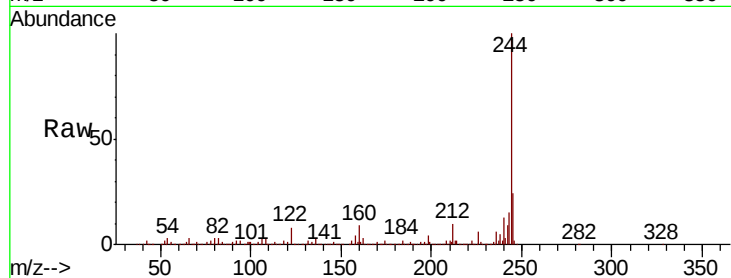
Tot Ion:184 Resp: 37016

Ion Ratio Lower Upper

184 100

185 19.3 11.8 17.8#

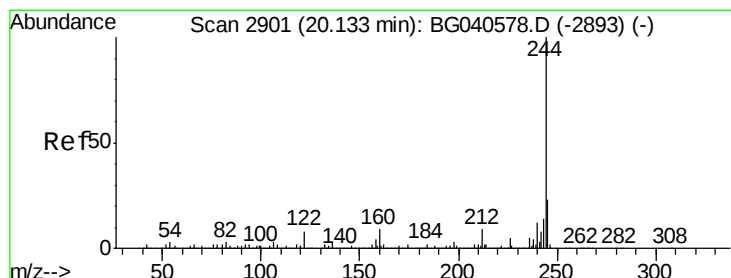
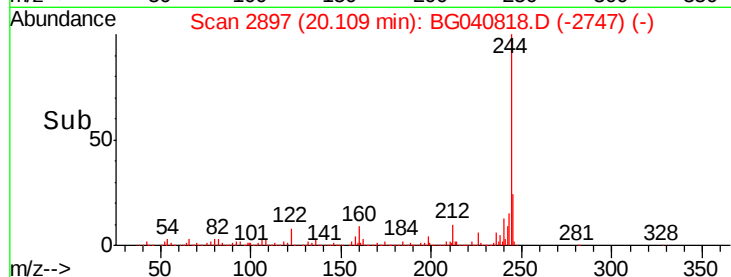
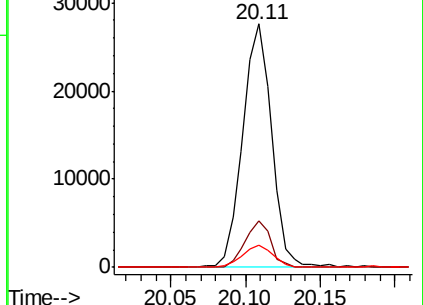
183 9.4 10.2 15.2#



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: 124.771 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040818.D

Acq: 9 May 2019 12:07

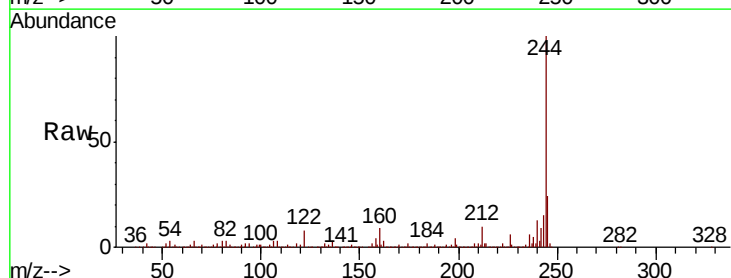
Tgt Ion:244 Resp: 1996670

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

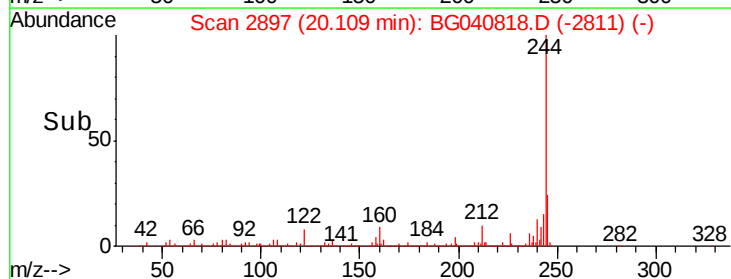
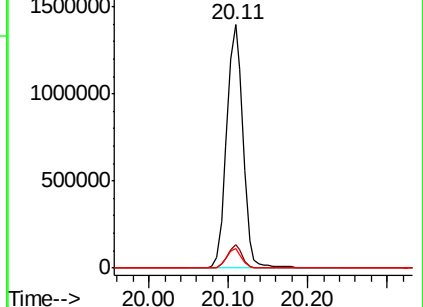
122 8.0 6.6 10.0

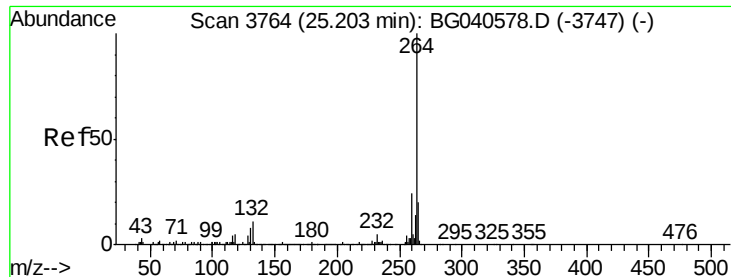


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

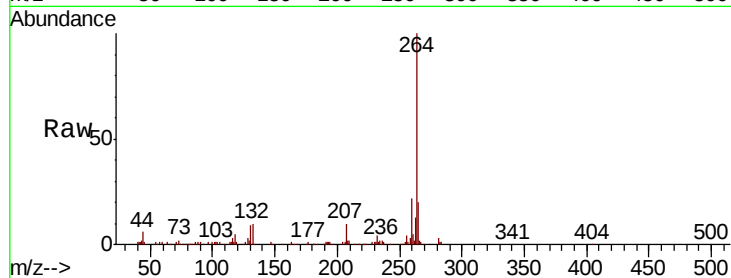




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040818.D
Acq: 9 May 2019 12:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	20.4	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

