

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
 Data File : BG040678.D
 Acq On : 30 Apr 2019 19:04
 Operator : JU/SJ
 Sample : K2194-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 22:44:44 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

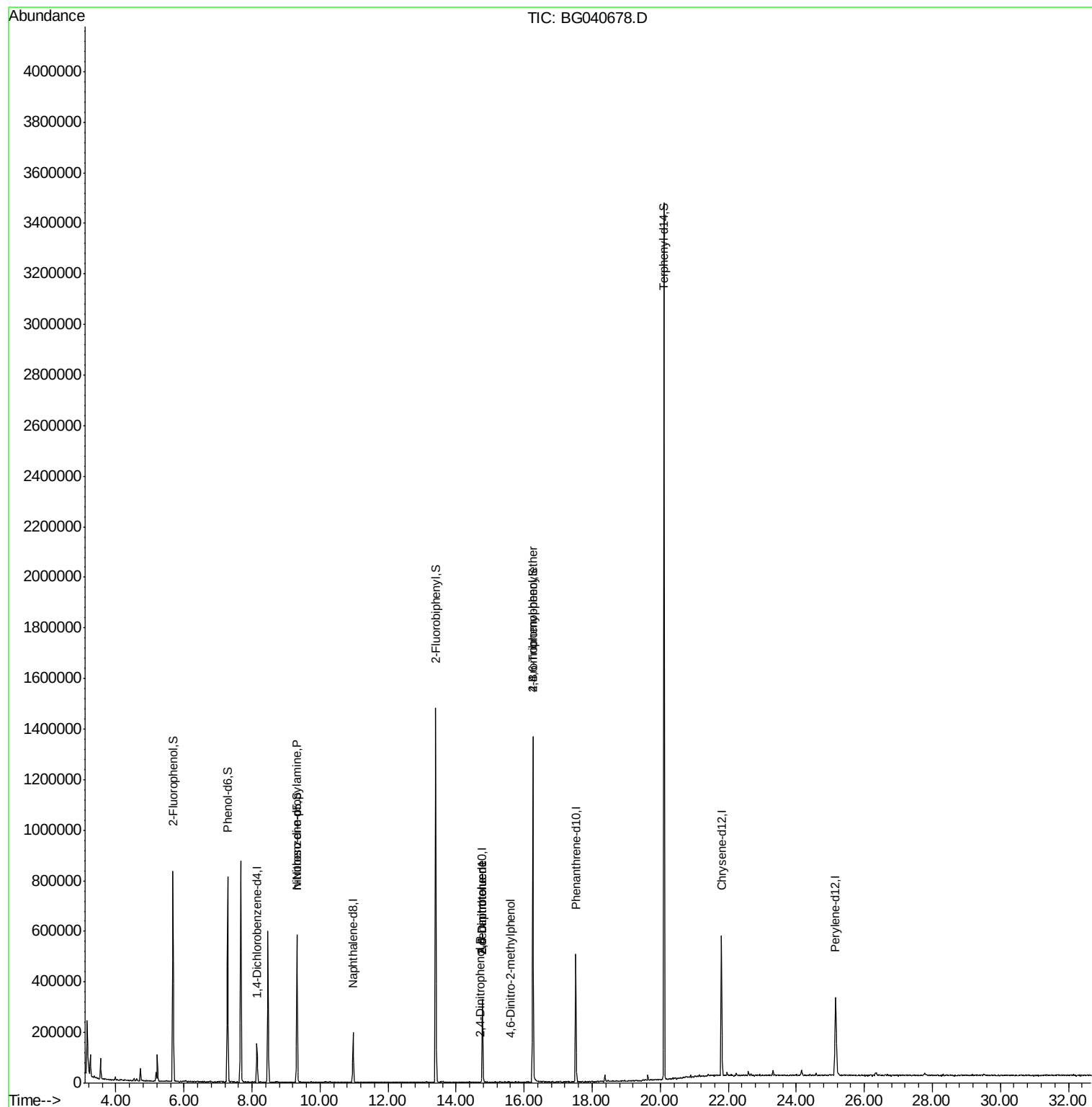
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39746	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	151447	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	106935	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	297877	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	330957	20.00	ng	-0.02
87) Perylene-d12	25.16	264	345463	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	296734	131.60	ng	0.00
7) Phenol-d6	7.28	99	395015	113.78	ng	-0.01
23) Nitrobenzene-d5	9.32	82	338519	103.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	240537	163.65	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	704967	95.21	ng	-0.02
79) Terphenyl-d14	20.11	244	1543191	103.30	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	952	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	49027	15.688	ng	# 73
51) 2,6-Dinitrotoluene	14.77	165	13919	7.971	ng	# 12
54) 2,4-Dinitrophenol	14.71	184	53	7.064	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	13919	5.866	ng	# 14
65) 4,6-Dinitro-2-methylphenol	15.59	198	54	7.133	ng	# 28
67) 4-Bromophenyl-phenylether	16.26	248	16909	4.556	ng	# 1

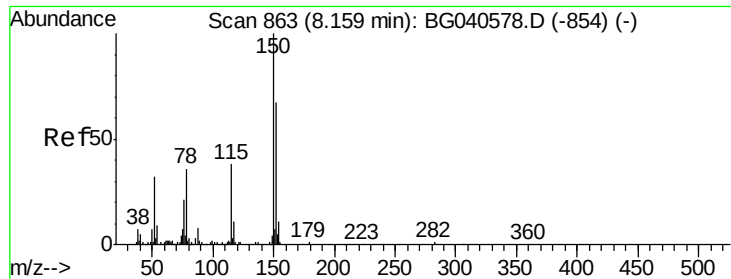
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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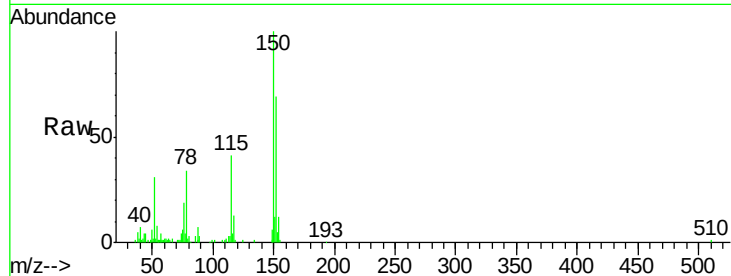


#1

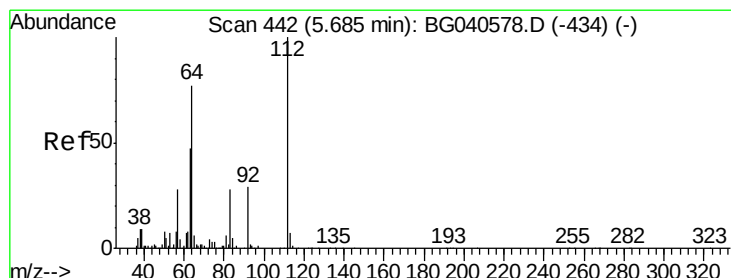
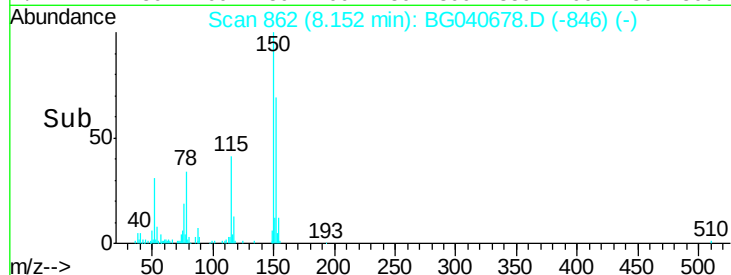
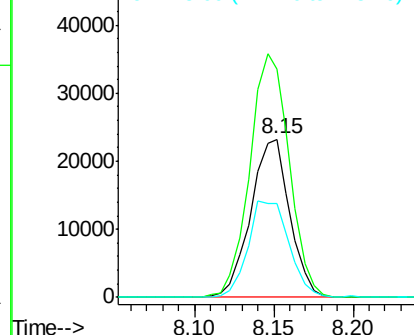
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG040678.D
 Acq: 30 Apr 2019 19:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.4	120.2	180.2
115	58.9	46.2	69.2



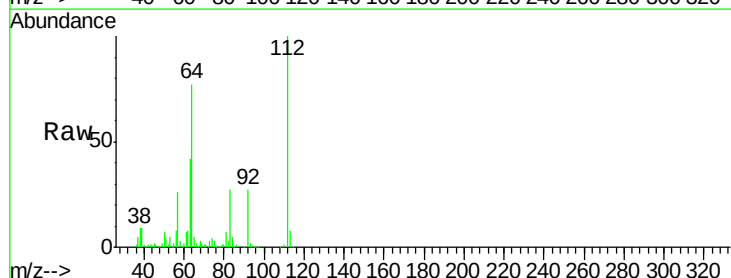
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



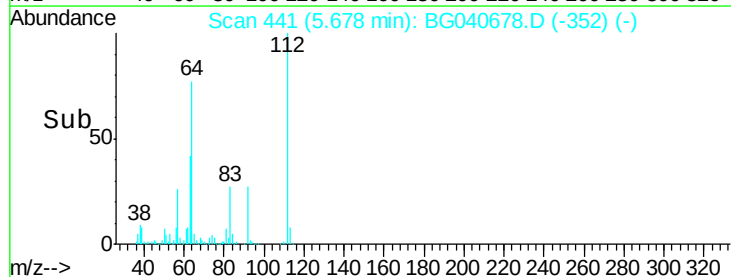
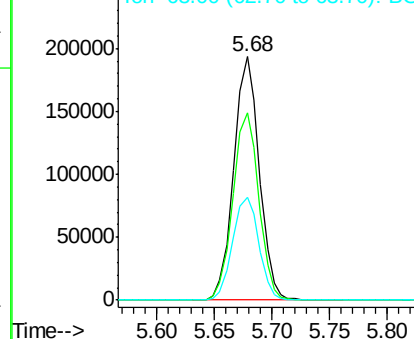
#5

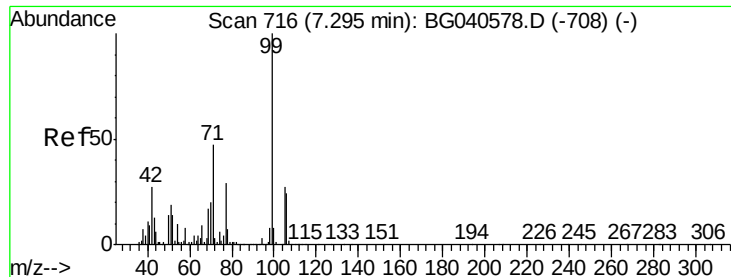
2-Fluorophenol
 Concen: 131.604 ng
 RT: 5.68 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: BG040678.D
 Acq: 30 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.1	61.4	92.0
63	42.0	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 113.782 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

Instrument :

BNA_G

ClientSampleId :

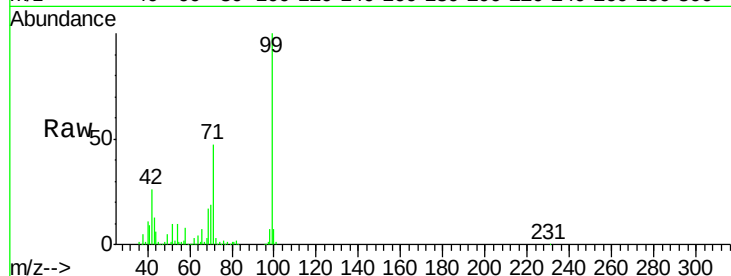
Tot Ion: 99 Resp: 395015

Ion Ratio Lower Upper

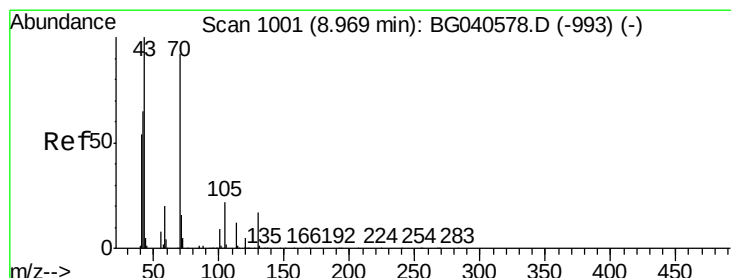
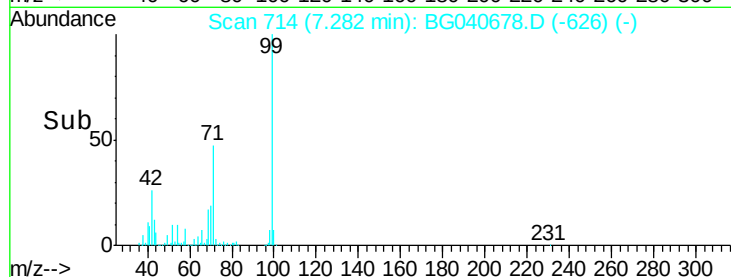
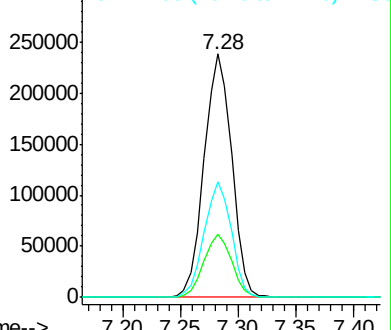
99 100

42 26.0 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: 15.688 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

Tgt Ion: 70 Resp: 49027

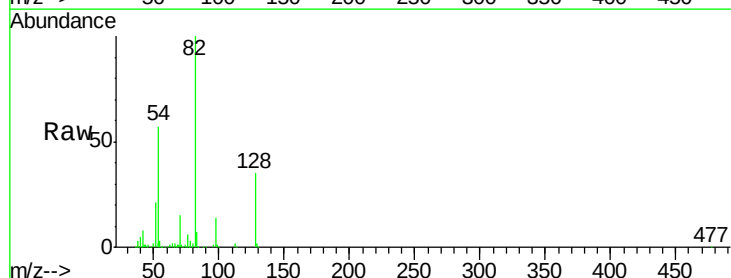
Ion Ratio Lower Upper

70 100

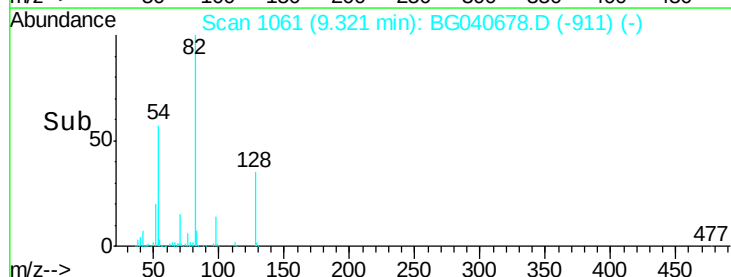
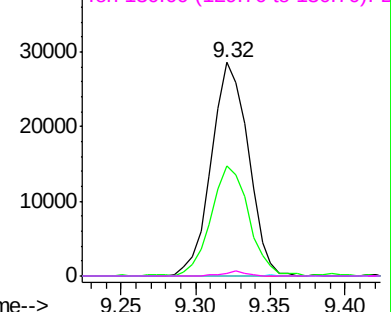
42 51.4 57.1 85.7#

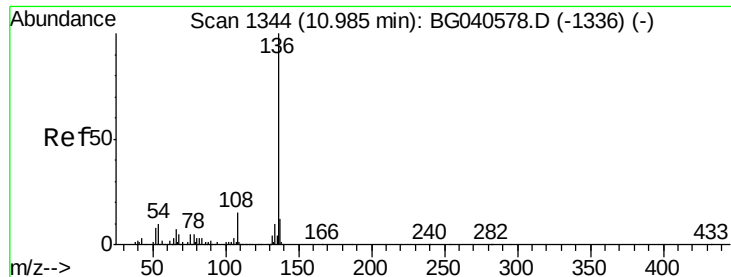
101 0.0 7.8 11.8#

130 1.2 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

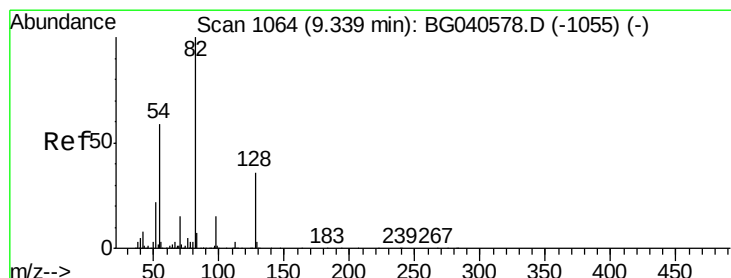
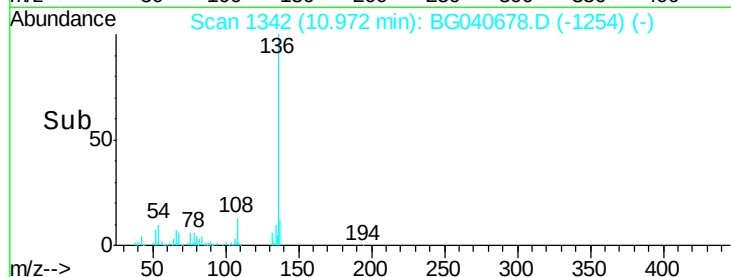
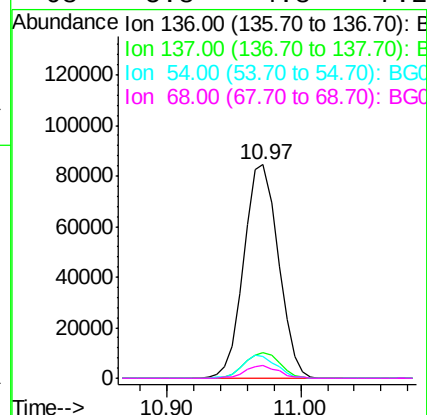
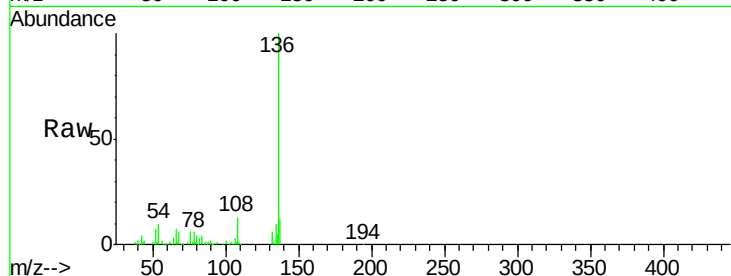




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

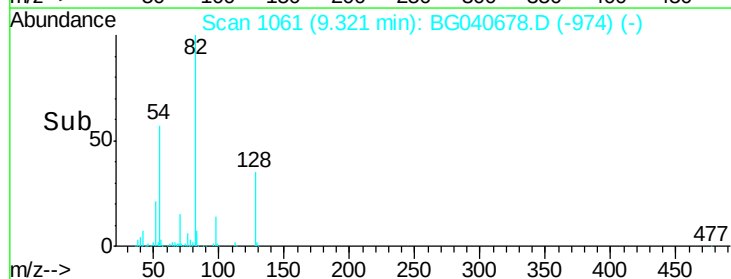
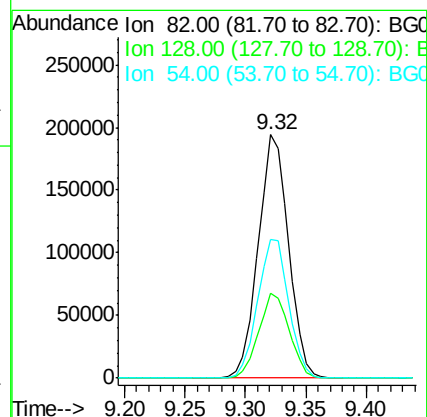
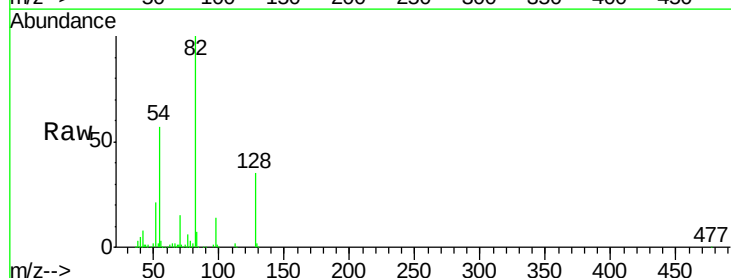
Instrument :
BNA_G
ClientSampleId :

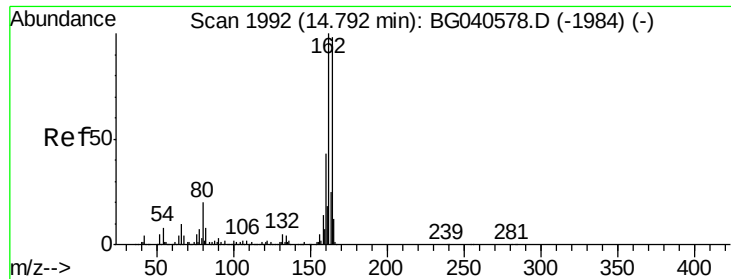
Tot Ion:136	Resp:	151447
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.7	14.5
54 9.9	8.6	12.8
68 5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 103.282 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

Tgt	Ion: 82	Resp:	338519
Ion	Ratio	Lower	Upper
82	100		
128	34.7	28.9	43.3
54	56.9	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

Instrument :

BNA_G

ClientSampleId :

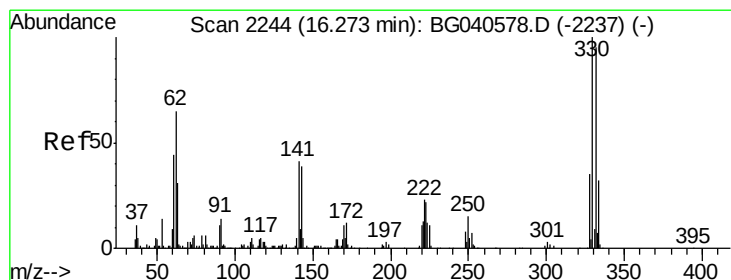
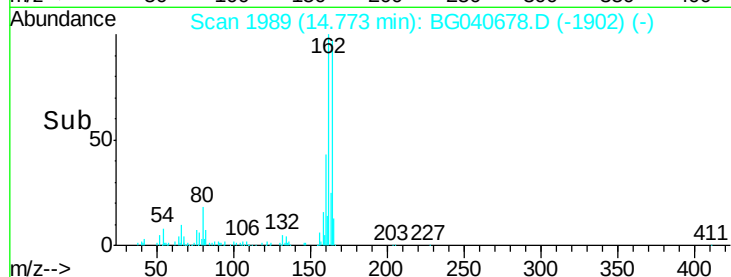
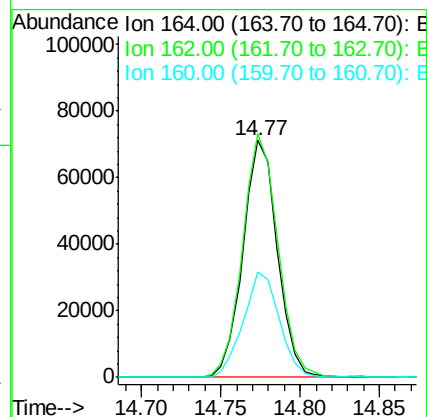
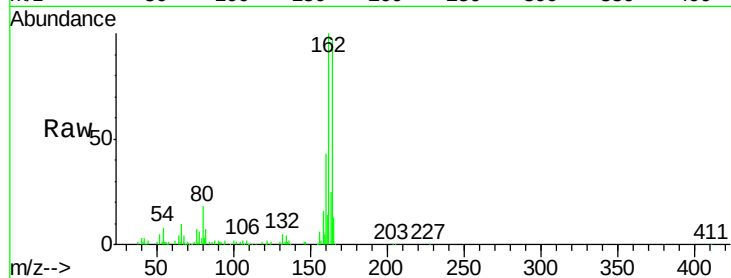
Tot Ion:164 Resp: 106935

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

160 44.5 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 163.648 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

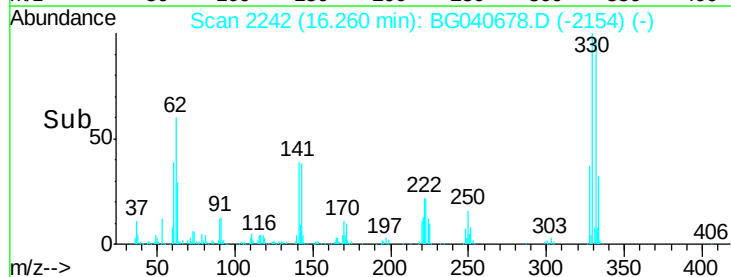
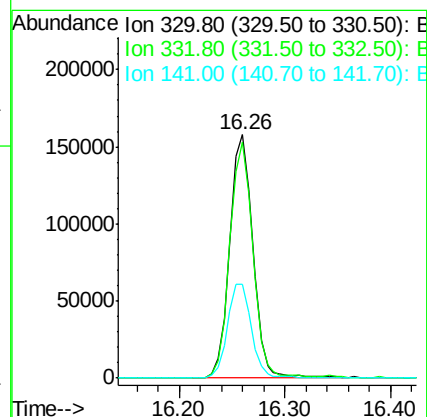
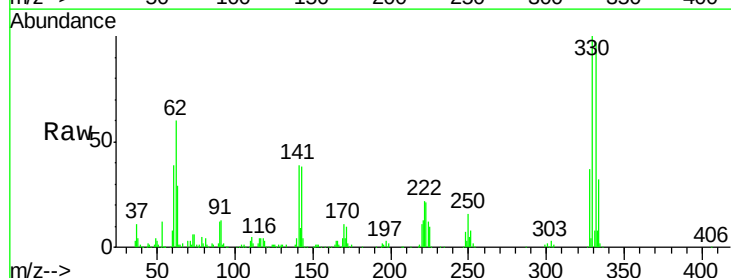
Tgt Ion:330 Resp: 240537

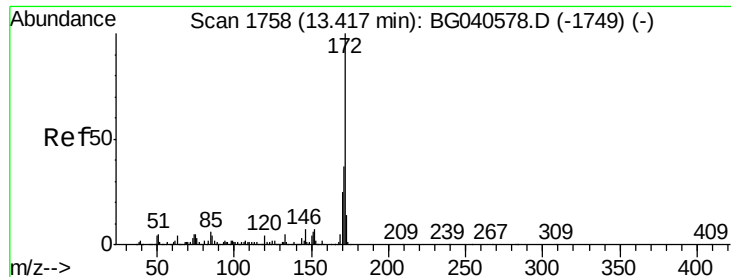
Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

141 39.3 32.4 48.6

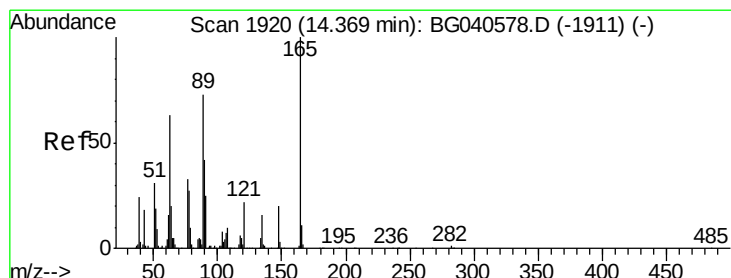
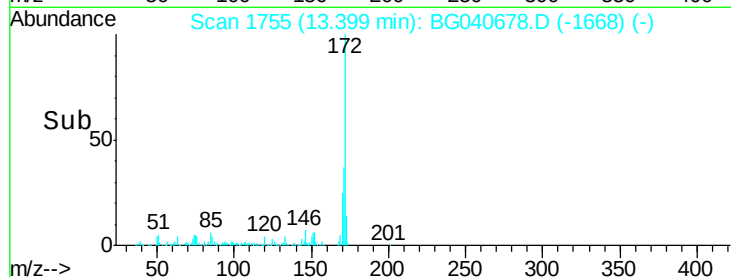
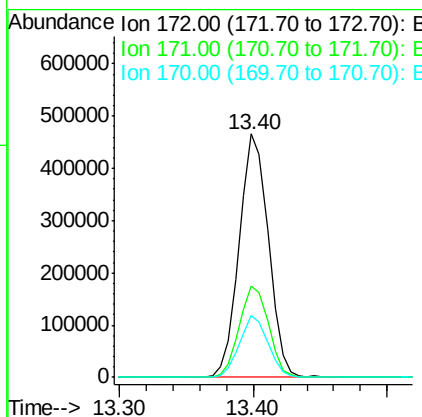
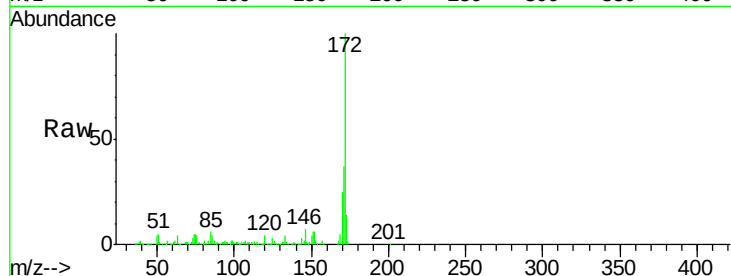




#45
2-Fluorobiphenyl
Concen: 95.209 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

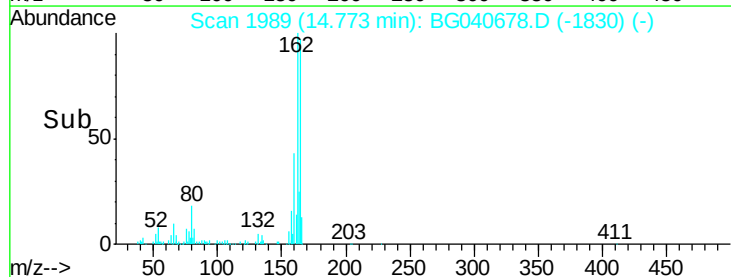
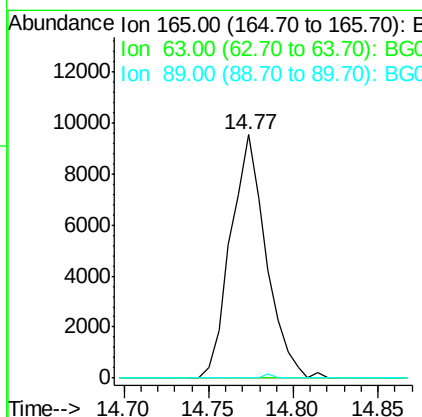
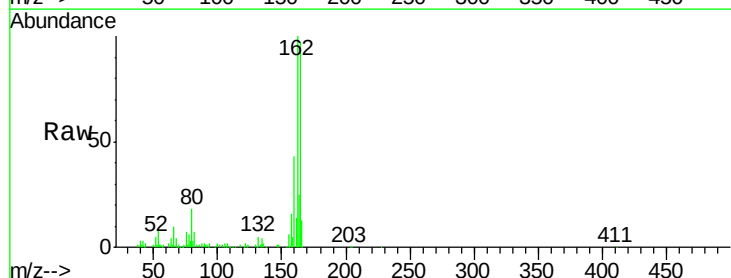
Instrument :
BNA_G
ClientSampleId :

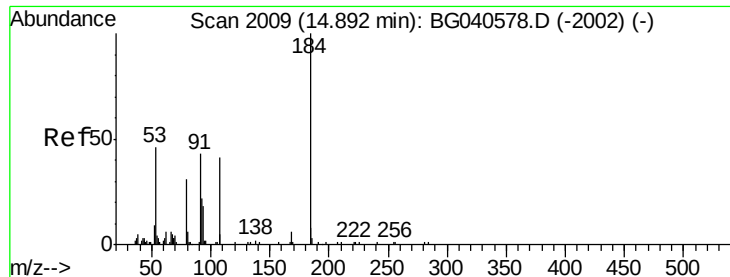
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.5	29.4	44.2	
170	25.3	19.9	29.9	



#51
2,6-Dinitrotoluene
Concen: 7.971 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.40 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	0.0	61.0	91.4#	
89	0.0	58.6	87.8#	

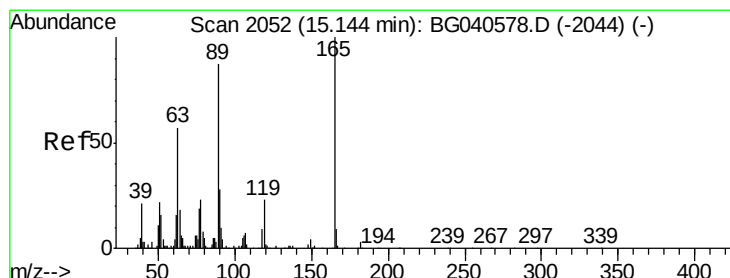
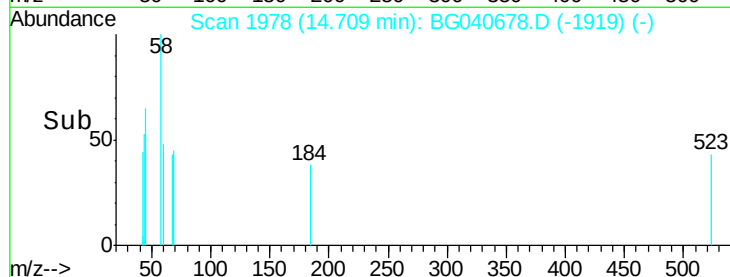
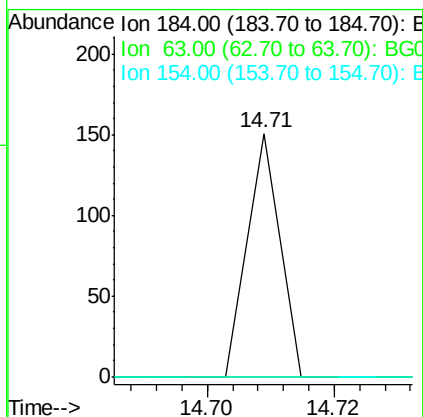
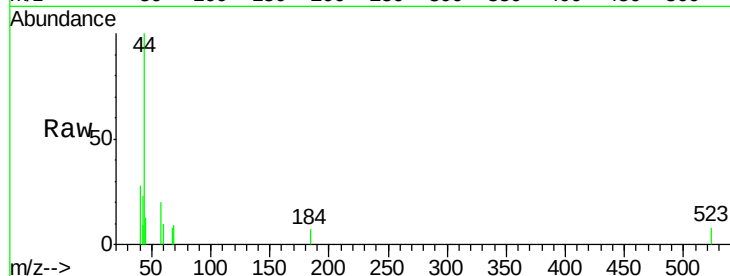




#54
2,4-Dinitrophenol
Concen: 7.064 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.18 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

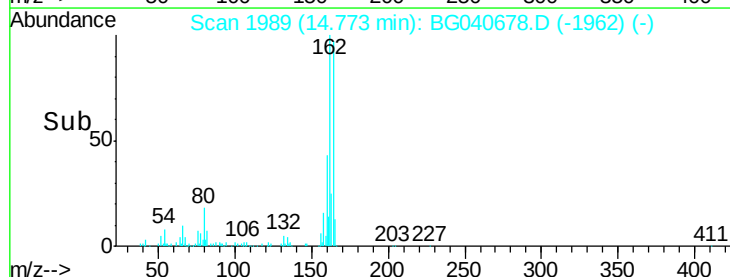
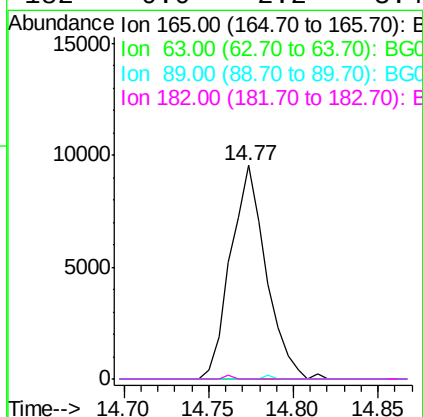
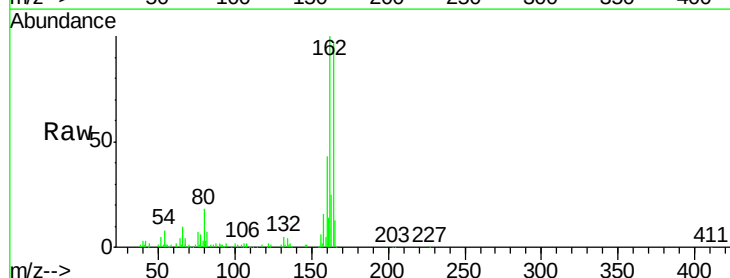
Instrument :
BNA_G
ClientSampleId :

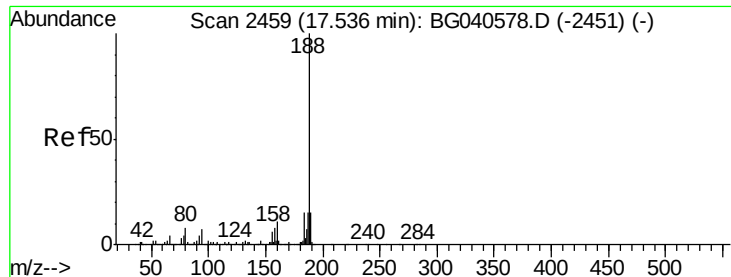
Tot Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.866 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040678.D
Acq: 30 Apr 2019 19:04

Tgt Ion:165 Resp: 13919
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

Instrument :

BNA_G

ClientSampleId :

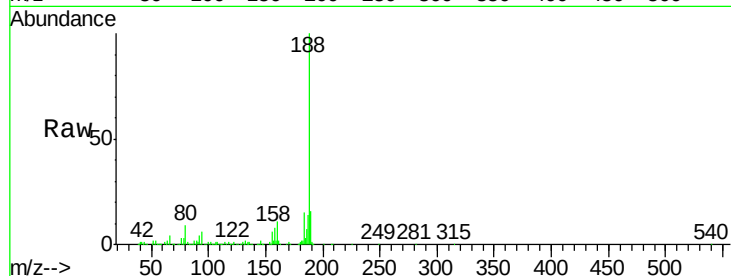
Tot Ion:188 Resp: 297877

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

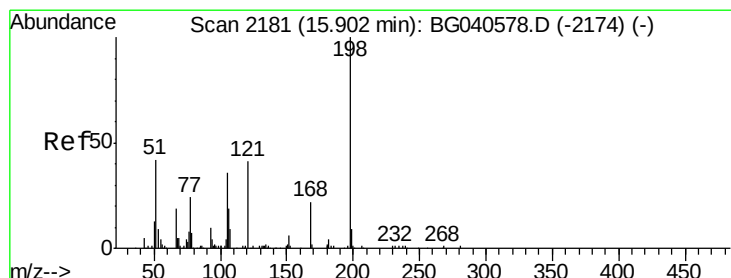
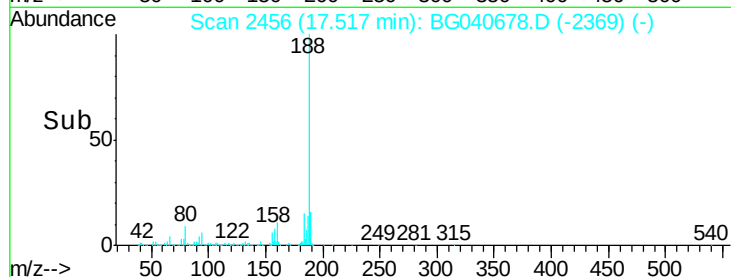
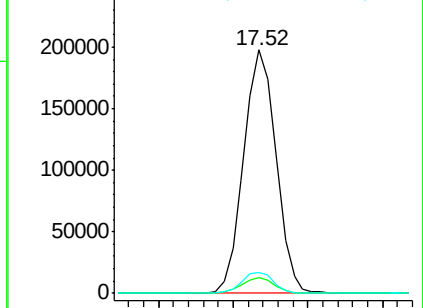
80 8.7 6.4 9.6



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: 7.133 ng

RT: 15.59 min Scan# 2128

Delta R.T. -0.31 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

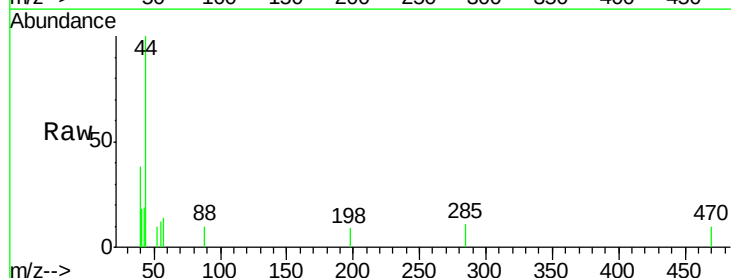
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

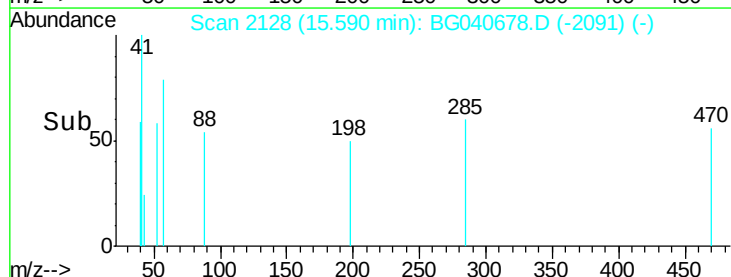
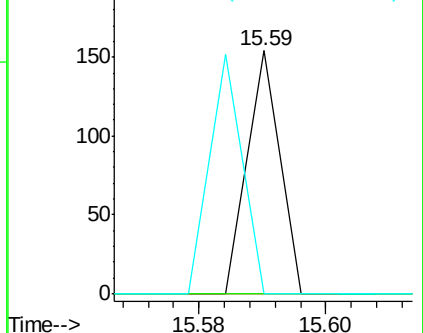
105 0.0 21.2 61.2#

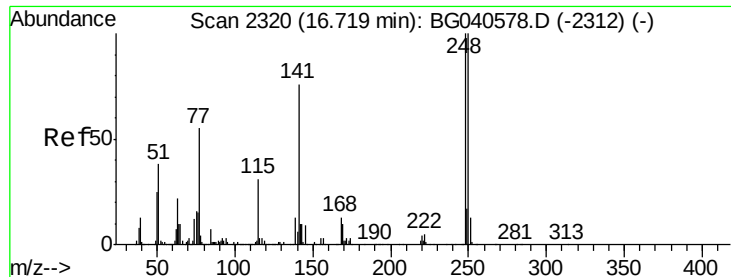


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

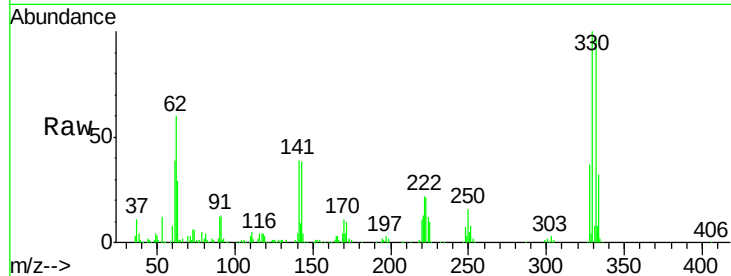




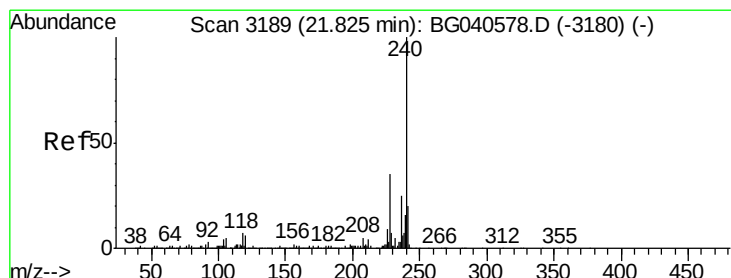
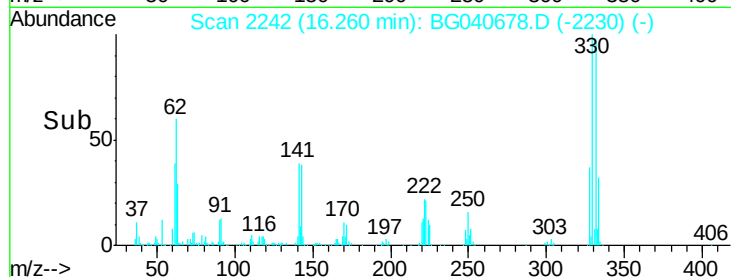
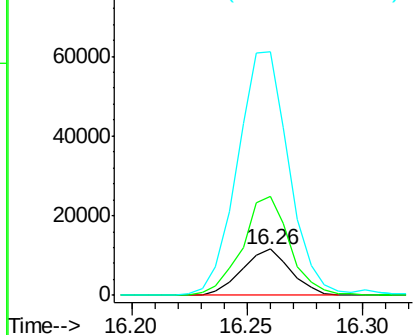
#67
 4-Bromophenyl-phenylether
 Concen: 4.556 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040678.D
 Acq: 30 Apr 2019 19:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16909
 Ion Ratio Lower Upper
 248 100
 250 214.3 79.8 119.6#
 141 527.2 60.8 91.2#

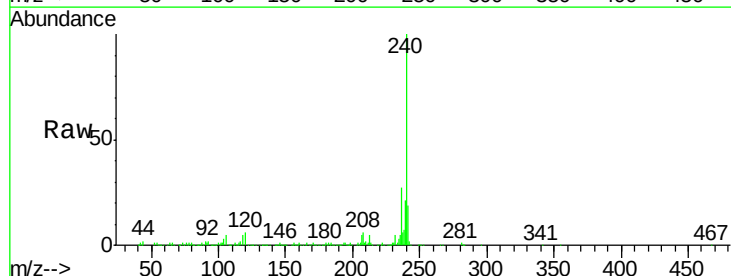


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

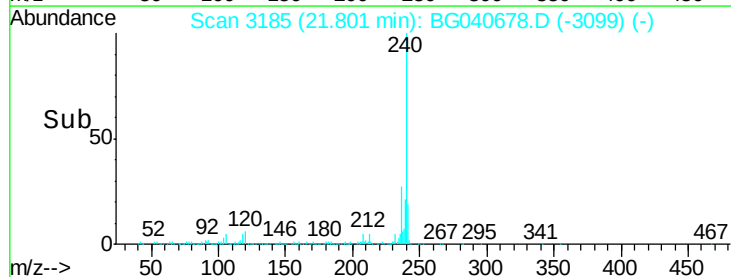
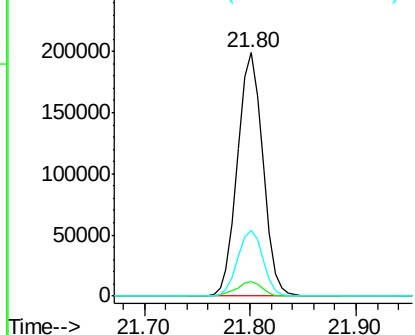


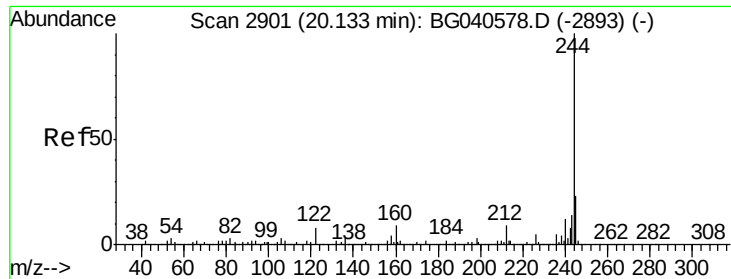
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040678.D
 Acq: 30 Apr 2019 19:04

Tgt Ion:240 Resp: 330957
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.0 7.6
 236 27.2 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





#79

Terphenyl-d14

Concen: 103.301 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

Instrument :

BNA_G

ClientSampleId :

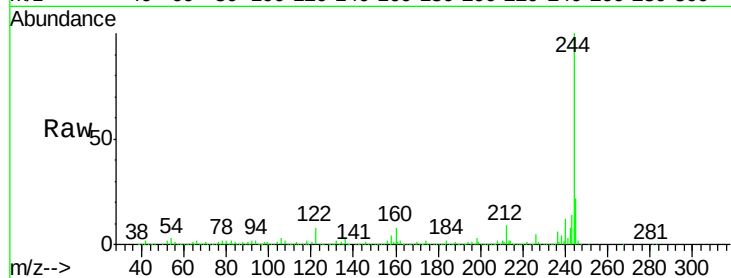
Tot Ion:244 Resp: 1543191

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

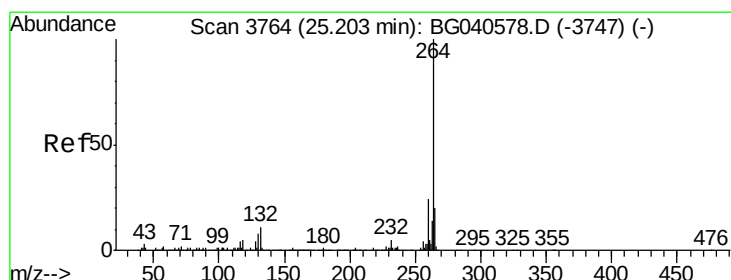
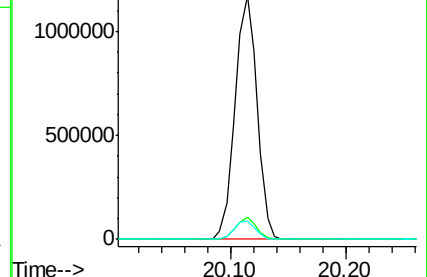
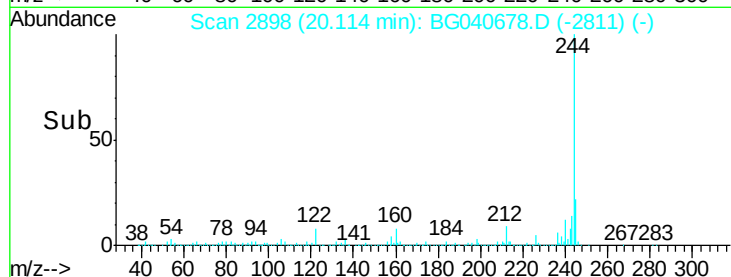
122 7.5 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040678.D

Acq: 30 Apr 2019 19:04

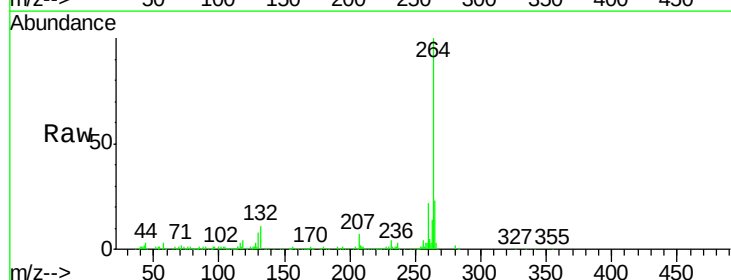
Tgt Ion:264 Resp: 345463

Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 22.5 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

