

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
 Data File : BG040679.D
 Acq On : 30 Apr 2019 19:42
 Operator : JU/SJ
 Sample : K2194-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 22:44:51 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

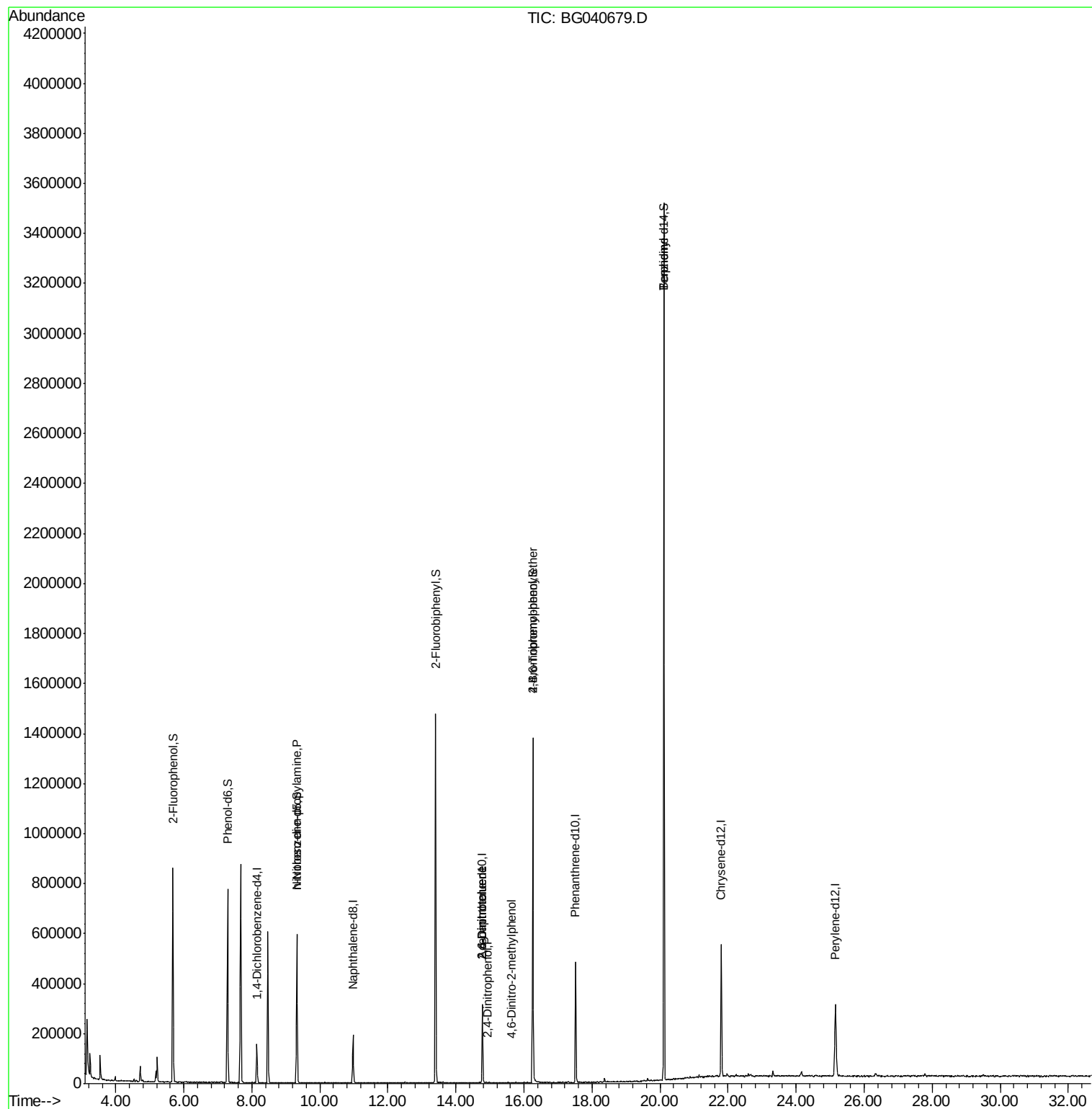
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	37738	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	148703	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	107151	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	291034	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	315974	20.00	ng	-0.03
87) Perylene-d12	25.16	264	329734	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	297091	138.77	ng	0.00
7) Phenol-d6	7.29	99	392235	118.99	ng	0.00
23) Nitrobenzene-d5	9.33	82	347042	107.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	244824	166.23	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	717856	96.75	ng	-0.01
79) Terphenyl-d14	20.11	244	1531993	107.41	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.27	77	858	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.32	70	50134	16.896 ng	#	6
51) 2,6-Dinitrotoluene	14.77	165	13350	7.630 ng	#	75
54) 2,4-Dinitrophenol	14.92	184	80	7.089 ng	#	16
57) 2,4-Dinitrotoluene	14.77	165	13350	5.615 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.65	198	53	7.133 ng	#	17
67) 4-Bromophenyl-phenylether	16.26	248	17798	4.909 ng	#	28
77) Benzidine	20.11	184	29054	3.358 ng	#	1
					#	91

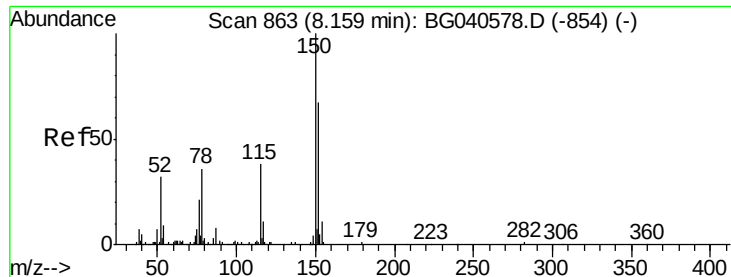
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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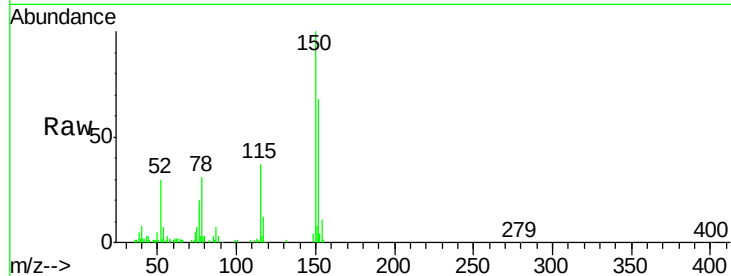


#1

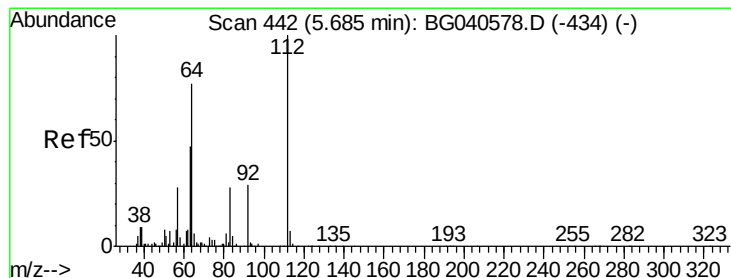
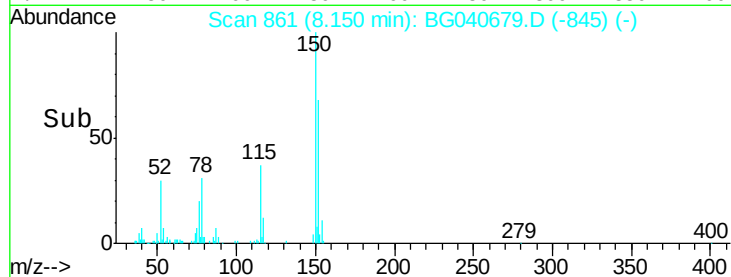
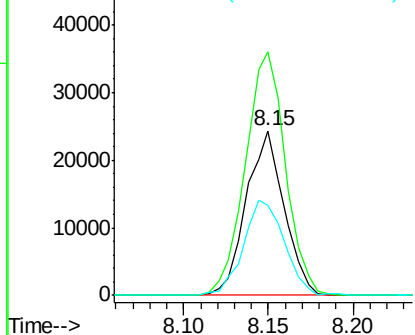
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	37738
Ion Ratio	Lower	Upper	
152	100		
150	148.0	120.2	180.2
115	54.9	46.2	69.2



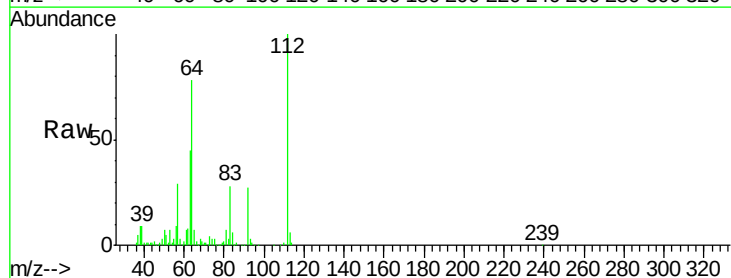
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



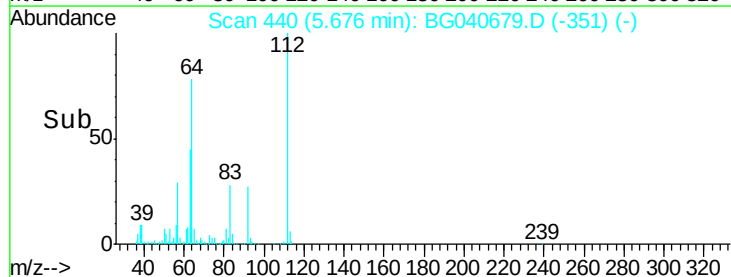
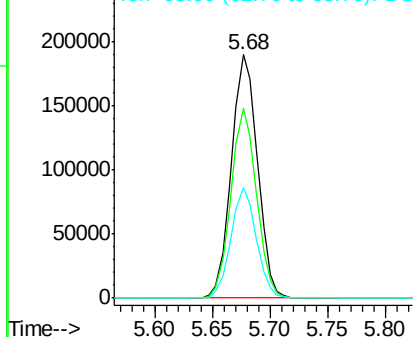
#5

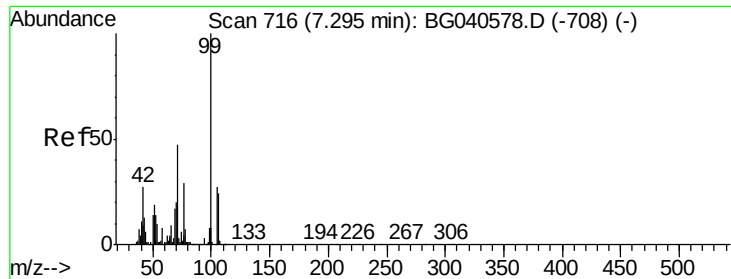
2-Fluorophenol
Concen: 138.773 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Tgt Ion	112	Resp	297091
Ion Ratio	Lower	Upper	
112	100		
64	78.2	61.4	92.0
63	45.2	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: 118.993 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_G

ClientSampleId :

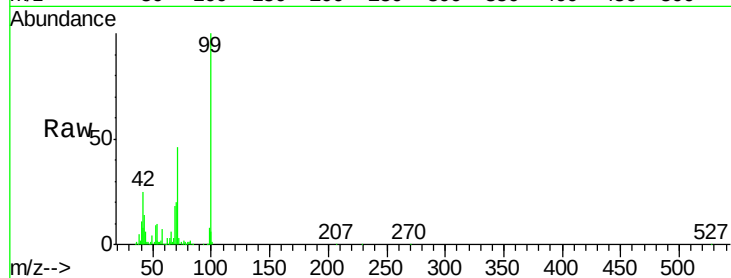
Tot Ion: 99 Resp: 392235

Ion Ratio Lower Upper

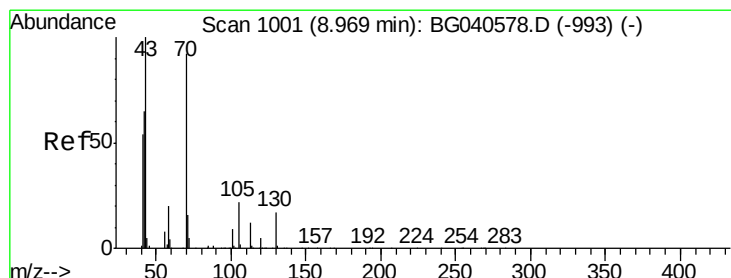
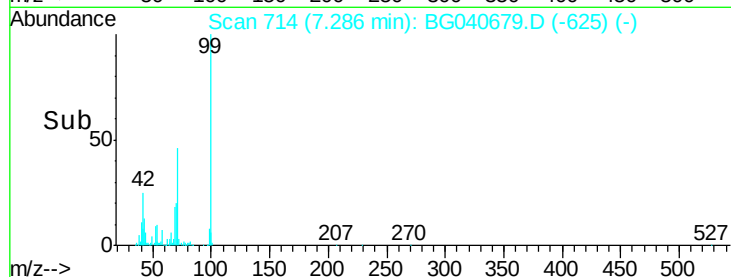
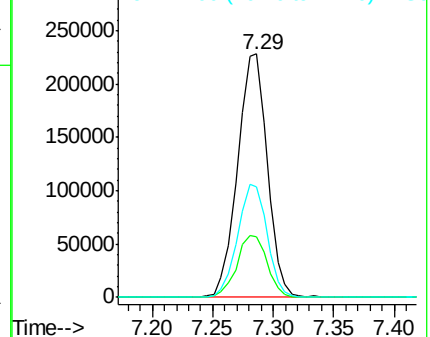
99 100

42 24.7 21.8 32.8

71 45.6 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: 16.896 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

Tgt Ion: 70 Resp: 50134

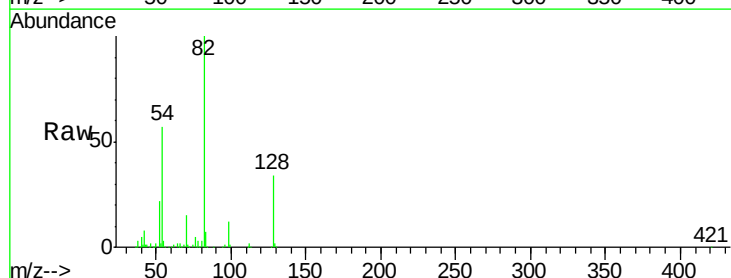
Ion Ratio Lower Upper

70 100

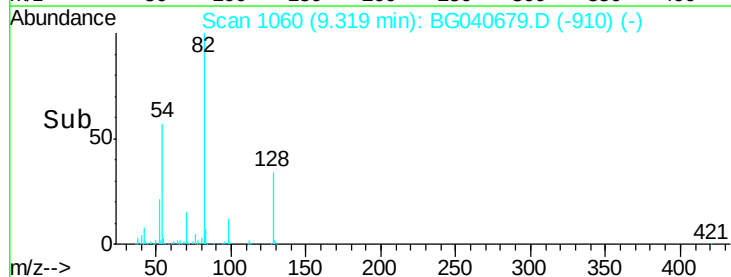
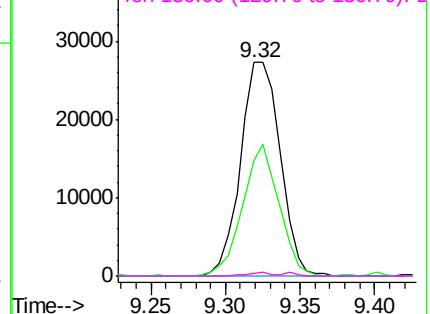
42 53.9 57.1 85.7#

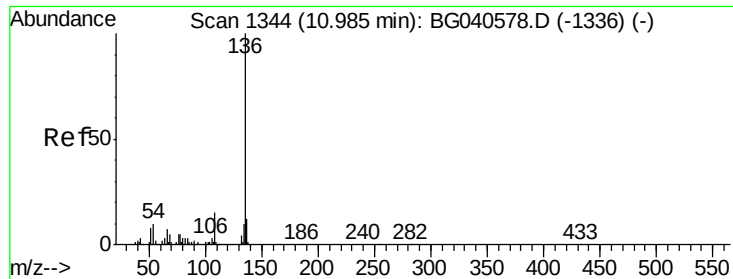
101 0.0 7.8 11.8#

130 1.0 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

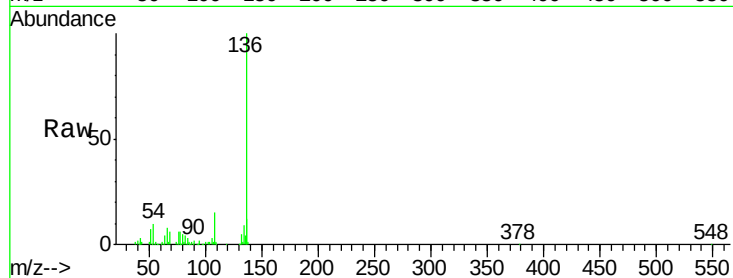




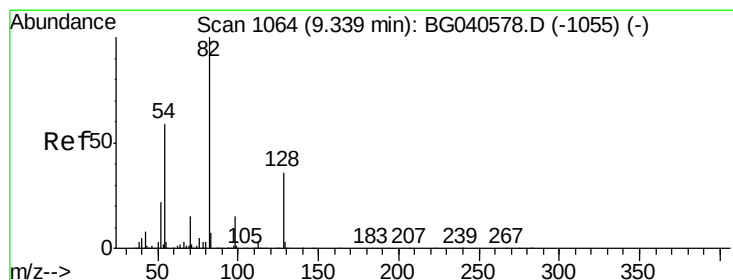
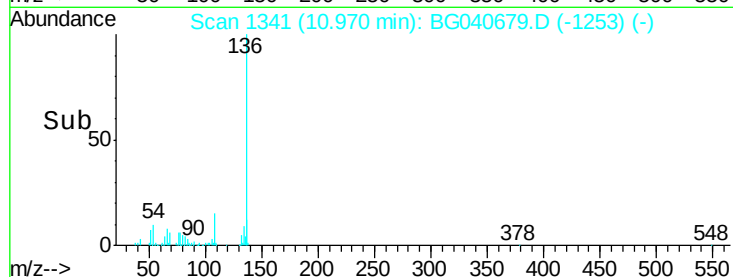
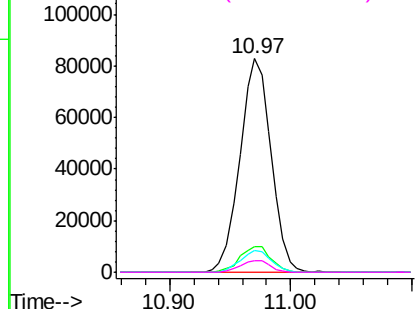
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	148703	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	9.7	14.5	
54 10.3	8.6	12.8	
68 5.7	4.8	7.2	

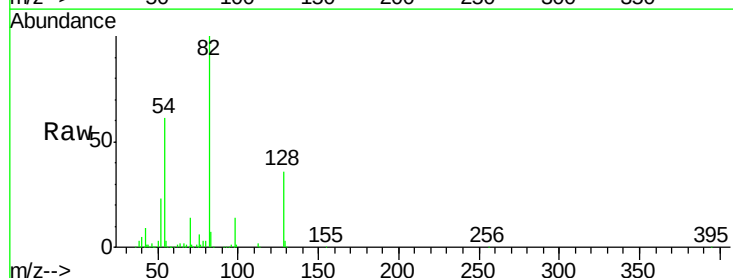


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

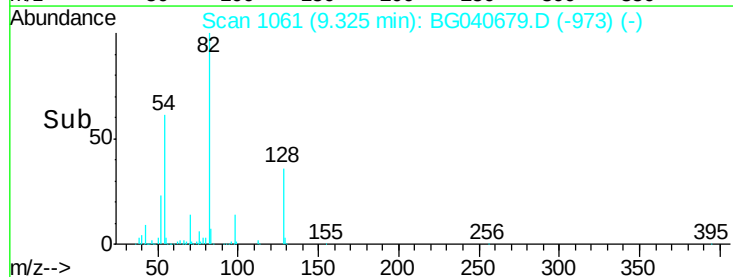
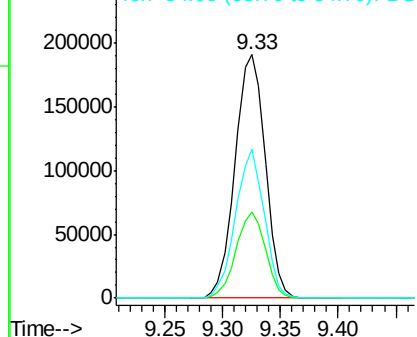


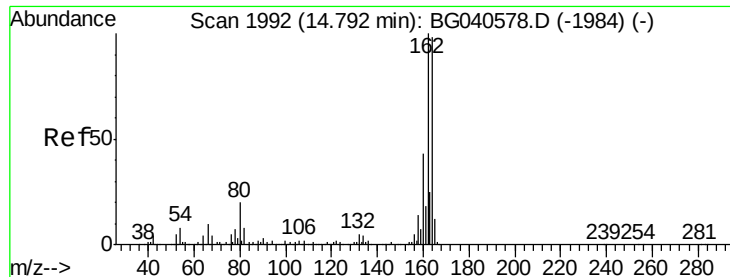
#23
Nitrobenzene-d5
Concen: 107.836 ng
RT: 9.33 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Tgt Ion: 82	Resp: 347042
Ion Ratio	Lower Upper
82 100	
128 35.6	28.9 43.3
54 61.1	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: 14.78 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_G

ClientSampleId :

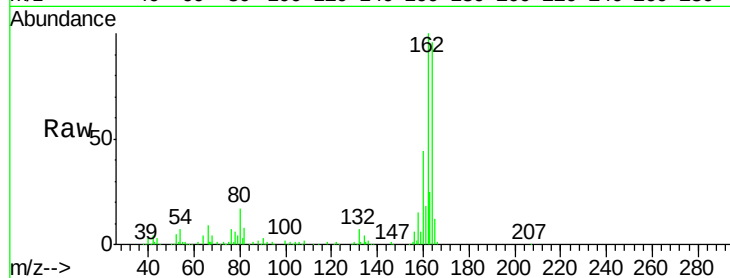
Tot Ion:164 Resp: 107151

Ion Ratio Lower Upper

164 100

162 104.6 81.9 122.9

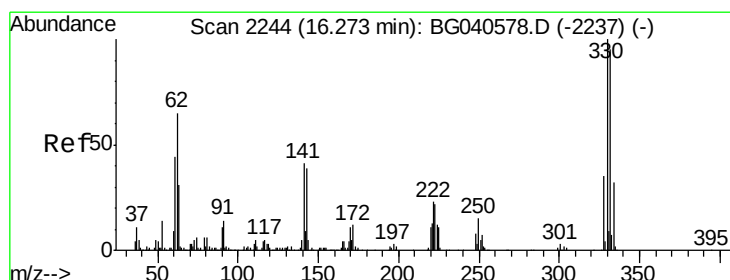
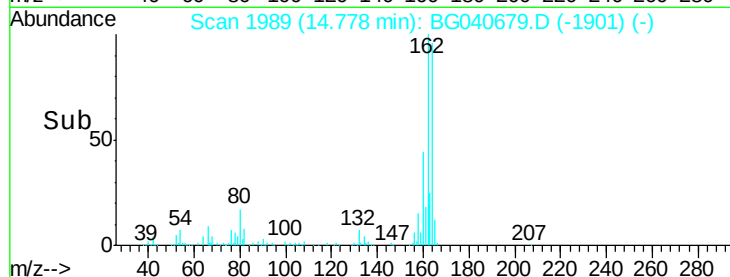
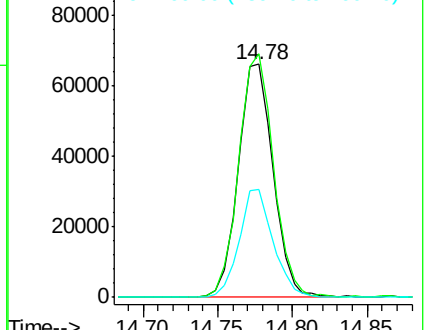
160 46.3 35.4 53.2



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: 166.229 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

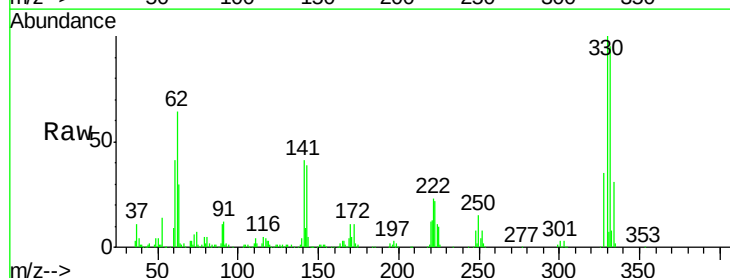
Tgt Ion:330 Resp: 244824

Ion Ratio Lower Upper

330 100

332 99.1 75.9 113.9

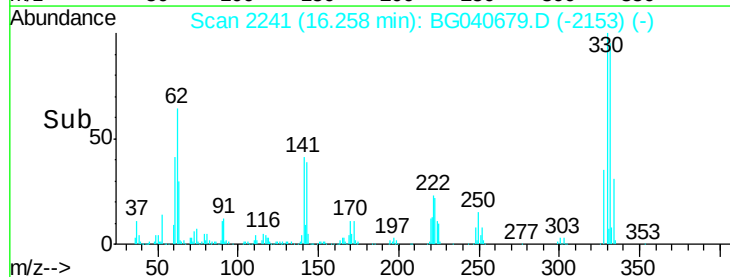
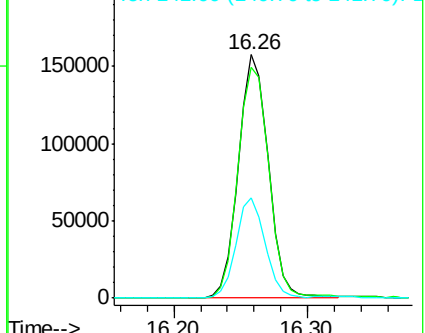
141 40.2 32.4 48.6

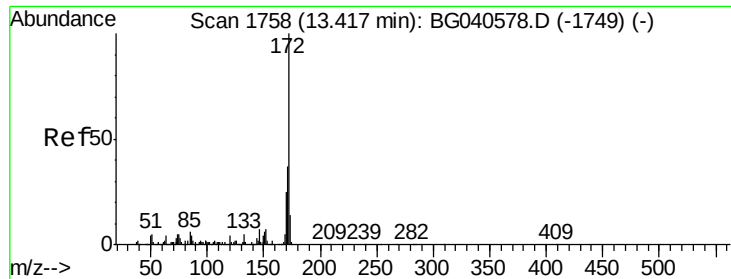


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

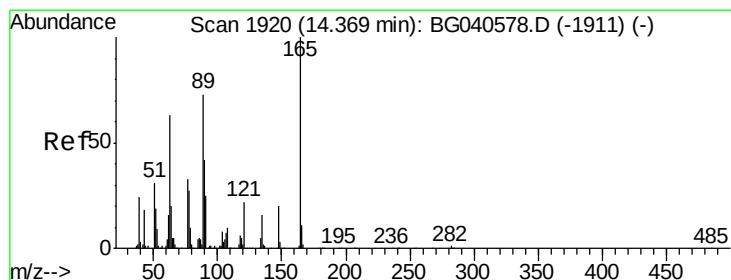
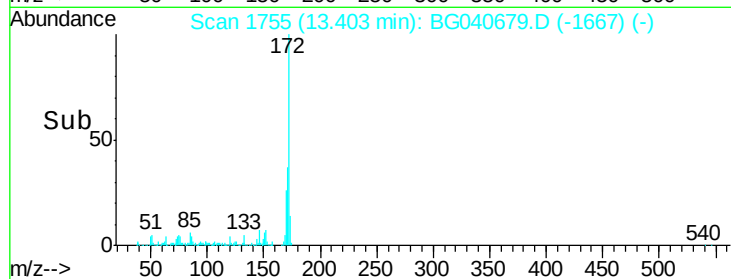
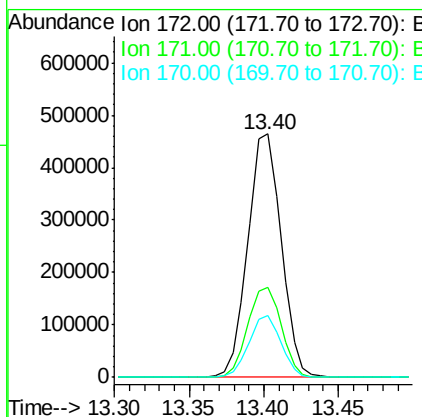
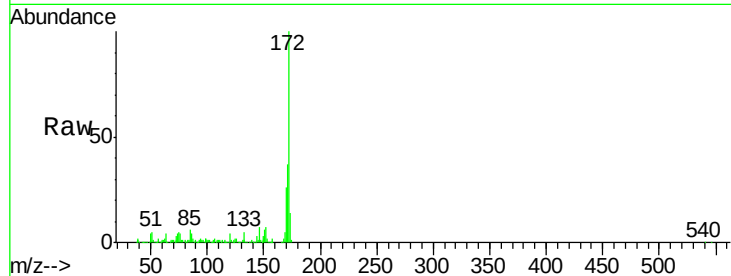




#45
 2-Fluorobiphenyl
 Concen: 96.754 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BG040679.D
 Acq: 30 Apr 2019 19:42

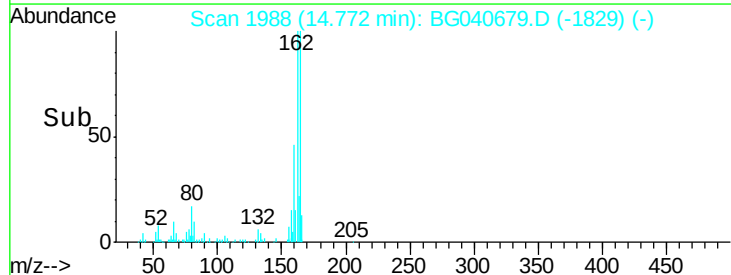
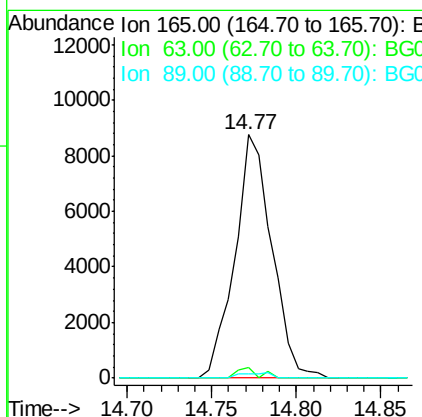
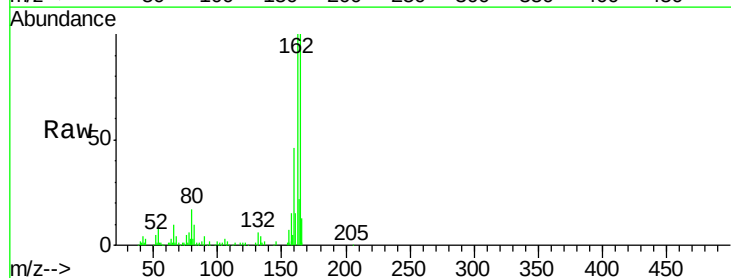
Instrument :
 BNA_G
 ClientSampleId :

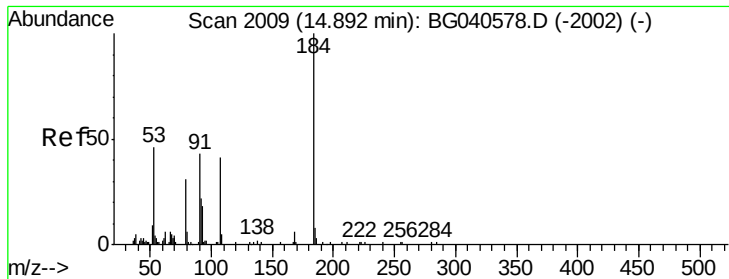
Tot Ion:172 Resp: 717856
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.2
 170 25.6 19.9 29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.630 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040679.D
 Acq: 30 Apr 2019 19:42

Tgt Ion:165 Resp: 13350
 Ion Ratio Lower Upper
 165 100
 63 4.2 61.0 91.4#
 89 1.8 58.6 87.8#

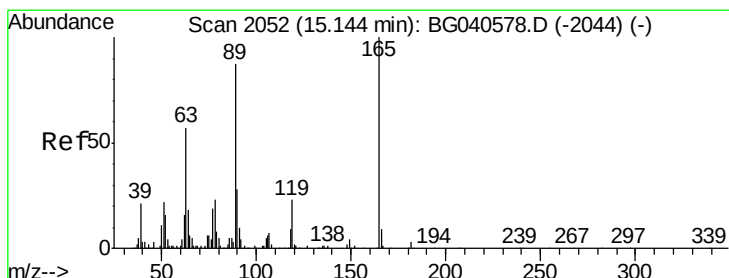
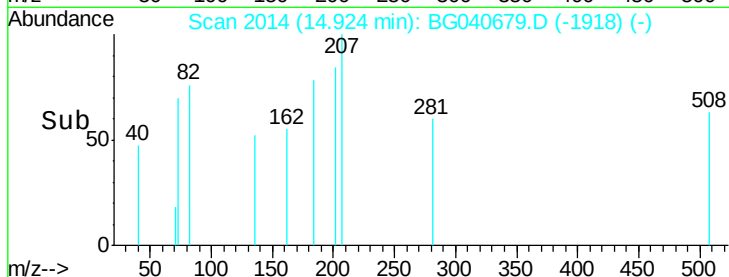
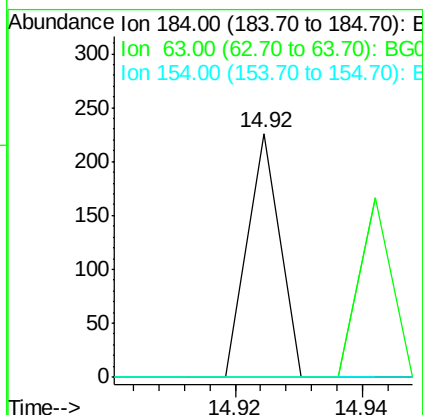
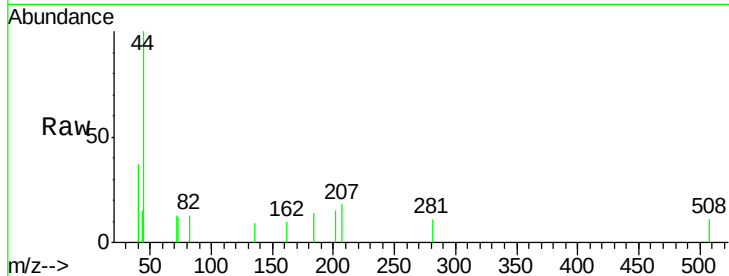




#54
2,4-Dinitrophenol
Concen: 7.089 ng
RT: 14.92 min Scan# 2014
Delta R.T. 0.03 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

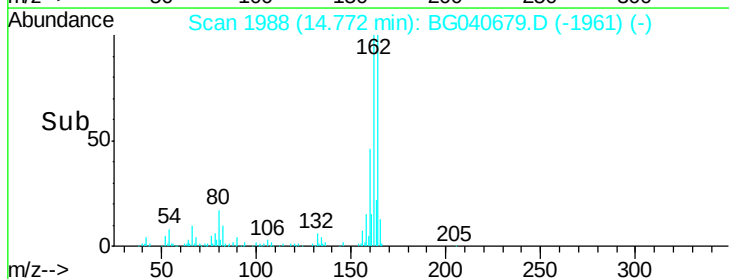
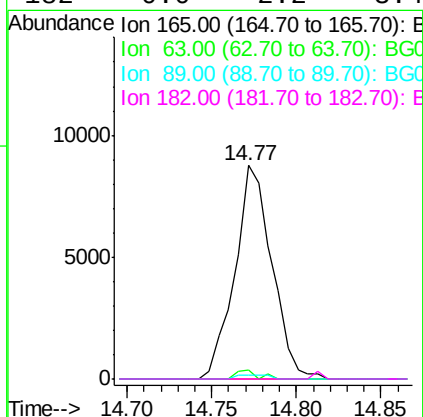
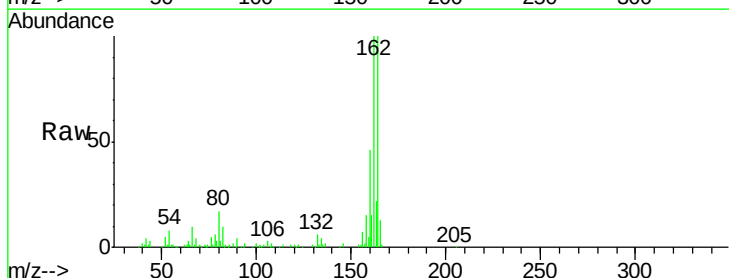
Instrument :
BNA_G
ClientSampleId :

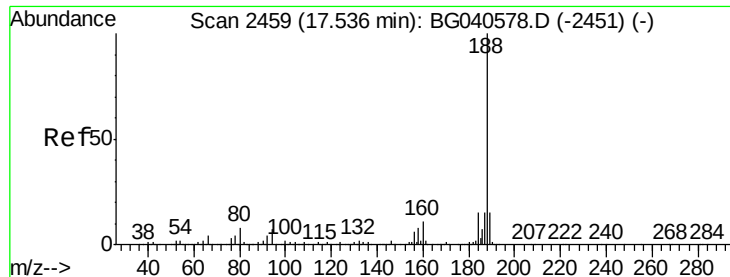
Tot Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.615 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Tgt Ion:165 Resp: 13350
Ion Ratio Lower Upper
165 100
63 4.2 45.8 68.8#
89 1.8 69.4 104.2#
182 0.0 2.2 3.4#

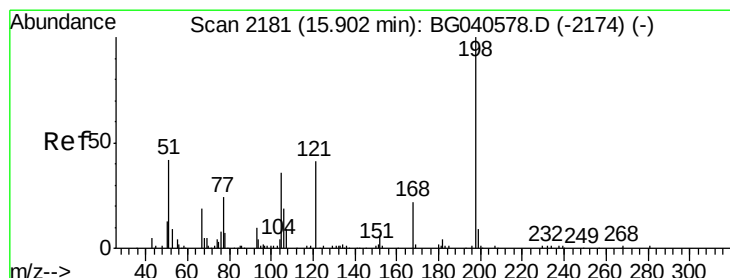
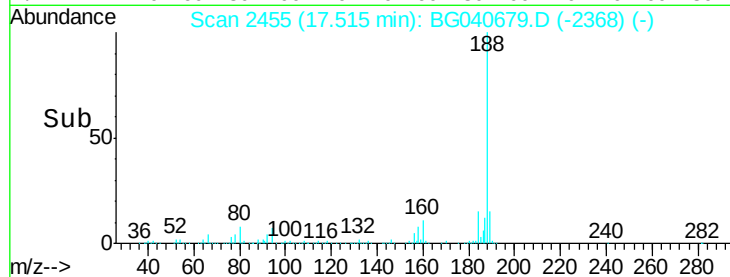
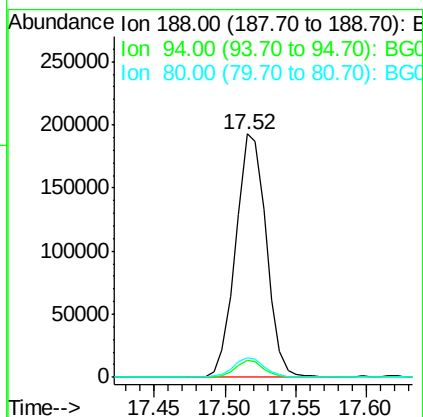
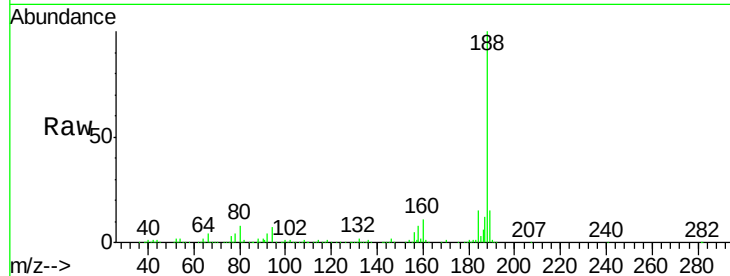




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

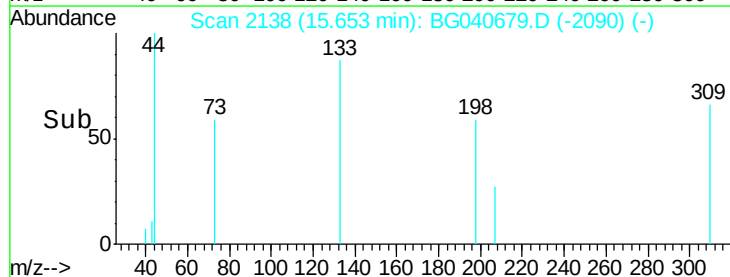
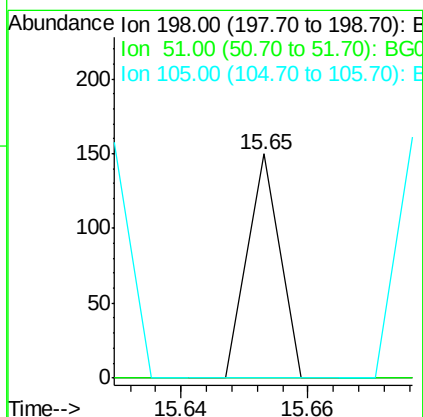
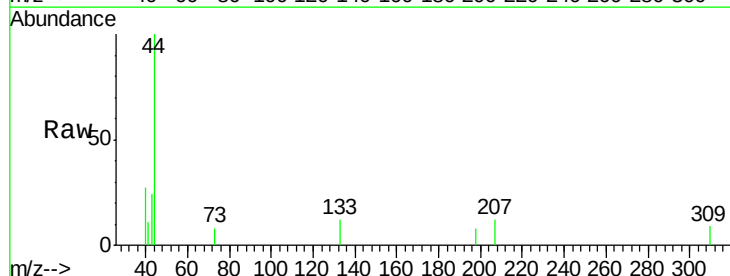
Instrument :
BNA_G
ClientSampled :

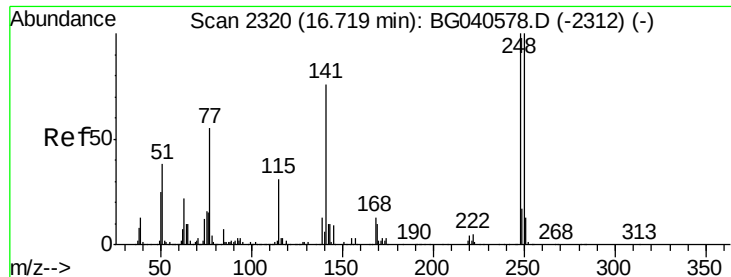
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.6	8.4
80	8.3	6.4	9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.133 ng
RT: 15.65 min Scan# 2138
Delta R.T. -0.25 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#

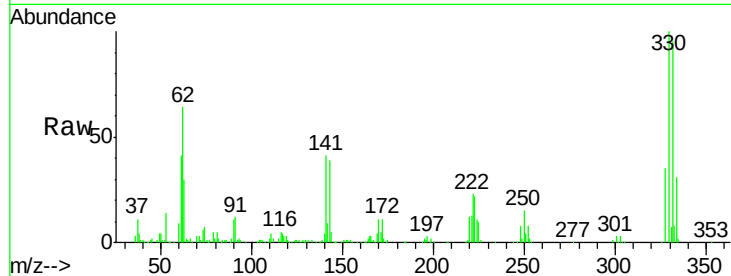




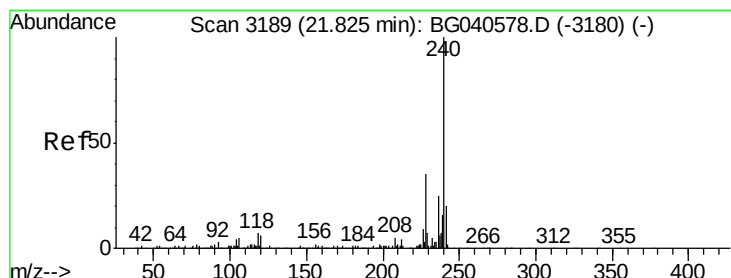
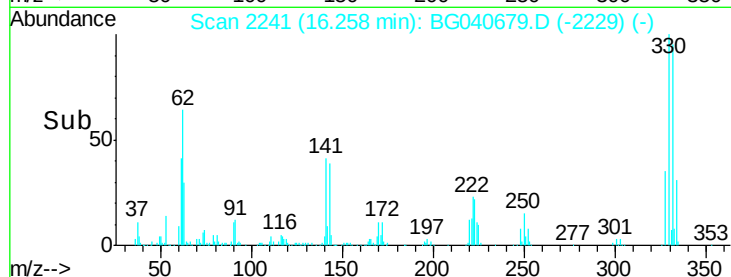
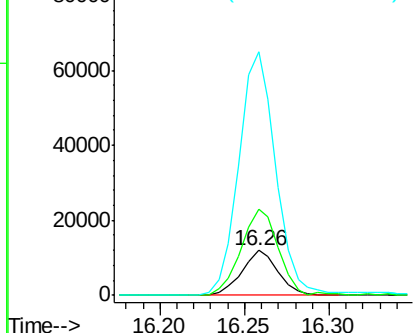
#67
 4-Bromophenyl-phenylether
 Concen: 4.909 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040679.D
 Acq: 30 Apr 2019 19:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17798
 Ion Ratio Lower Upper
 248 100
 250 190.1 79.8 119.6#
 141 540.2 60.8 91.2#

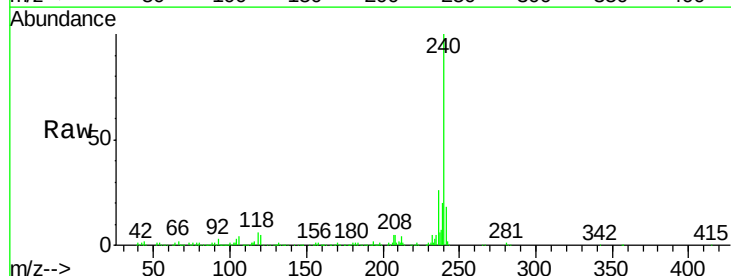


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

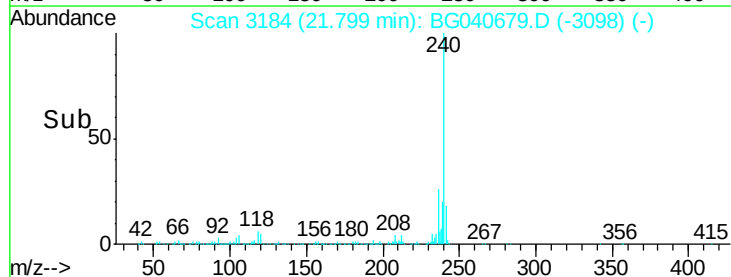
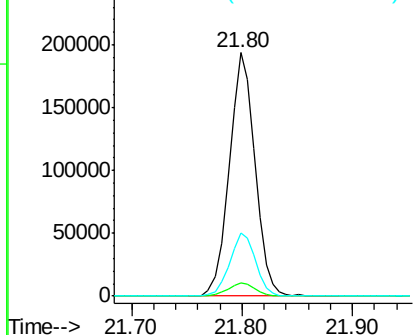


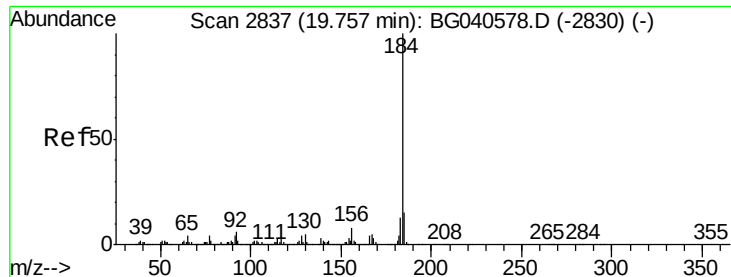
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040679.D
 Acq: 30 Apr 2019 19:42

Tgt Ion:240 Resp: 315974
 Ion Ratio Lower Upper
 240 100
 120 5.5 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: 3.358 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.36 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_G

ClientSampleId :

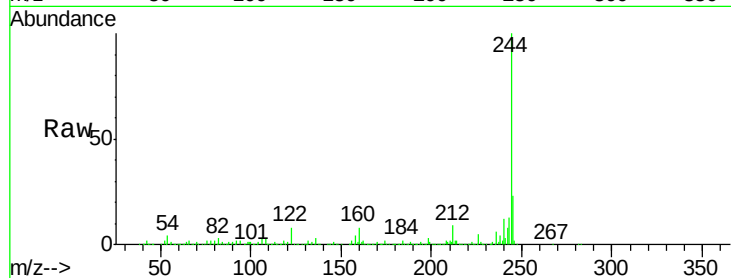
Tot Ion:184 Resp: 29054

Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.8

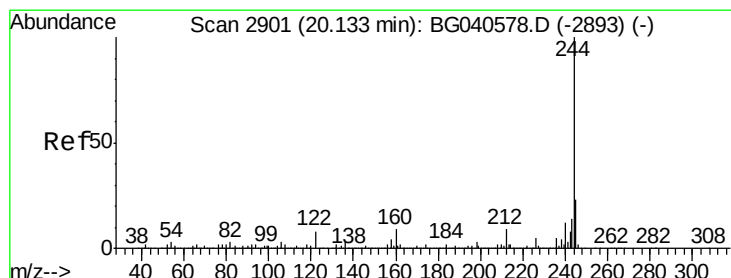
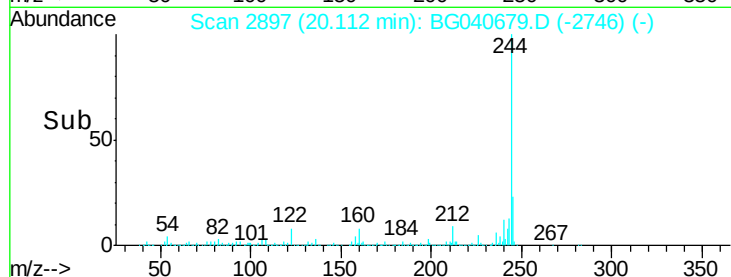
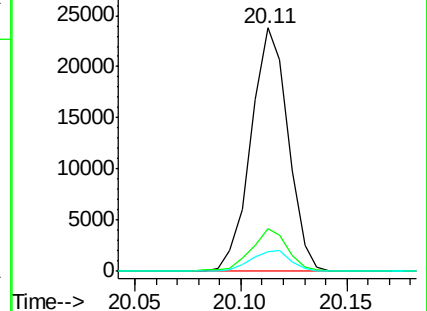
183 8.0 10.2 15.2#



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: 107.414 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040679.D

Acq: 30 Apr 2019 19:42

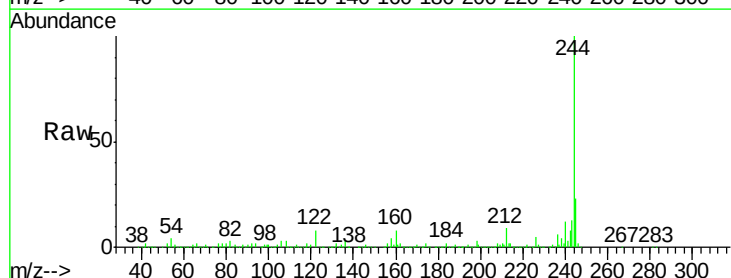
Tgt Ion:244 Resp: 1531993

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

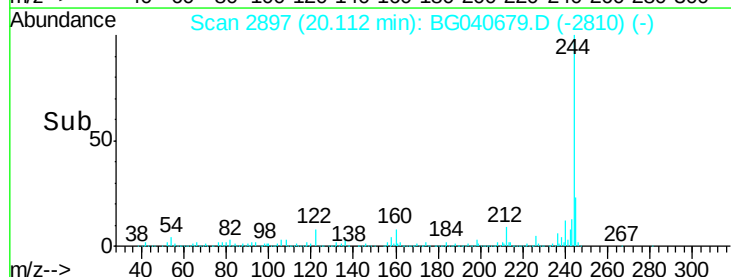
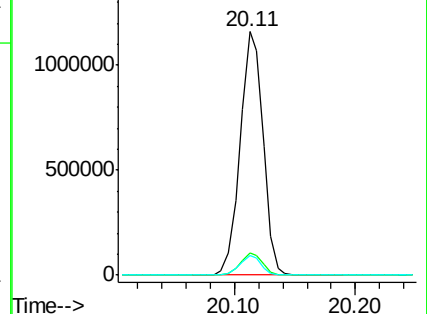
122 8.0 6.6 10.0

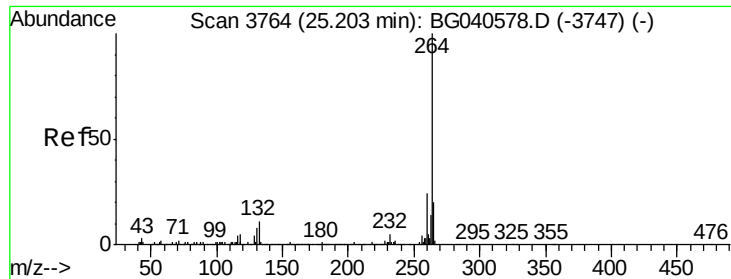


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

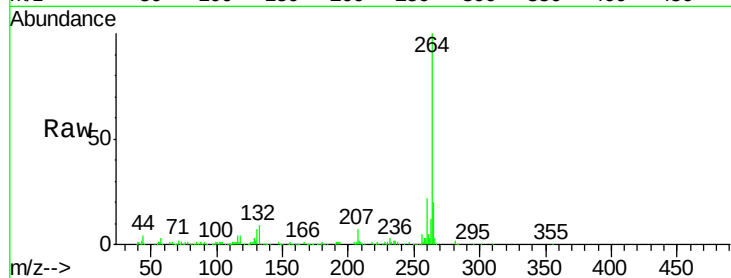




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.04 min
Lab File: BG040679.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	20.5	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

