

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
 Data File : BG040687.D
 Acq On : 1 May 2019 00:47
 Operator : JU/SJ
 Sample : PB119331BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 01 02:20:34 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

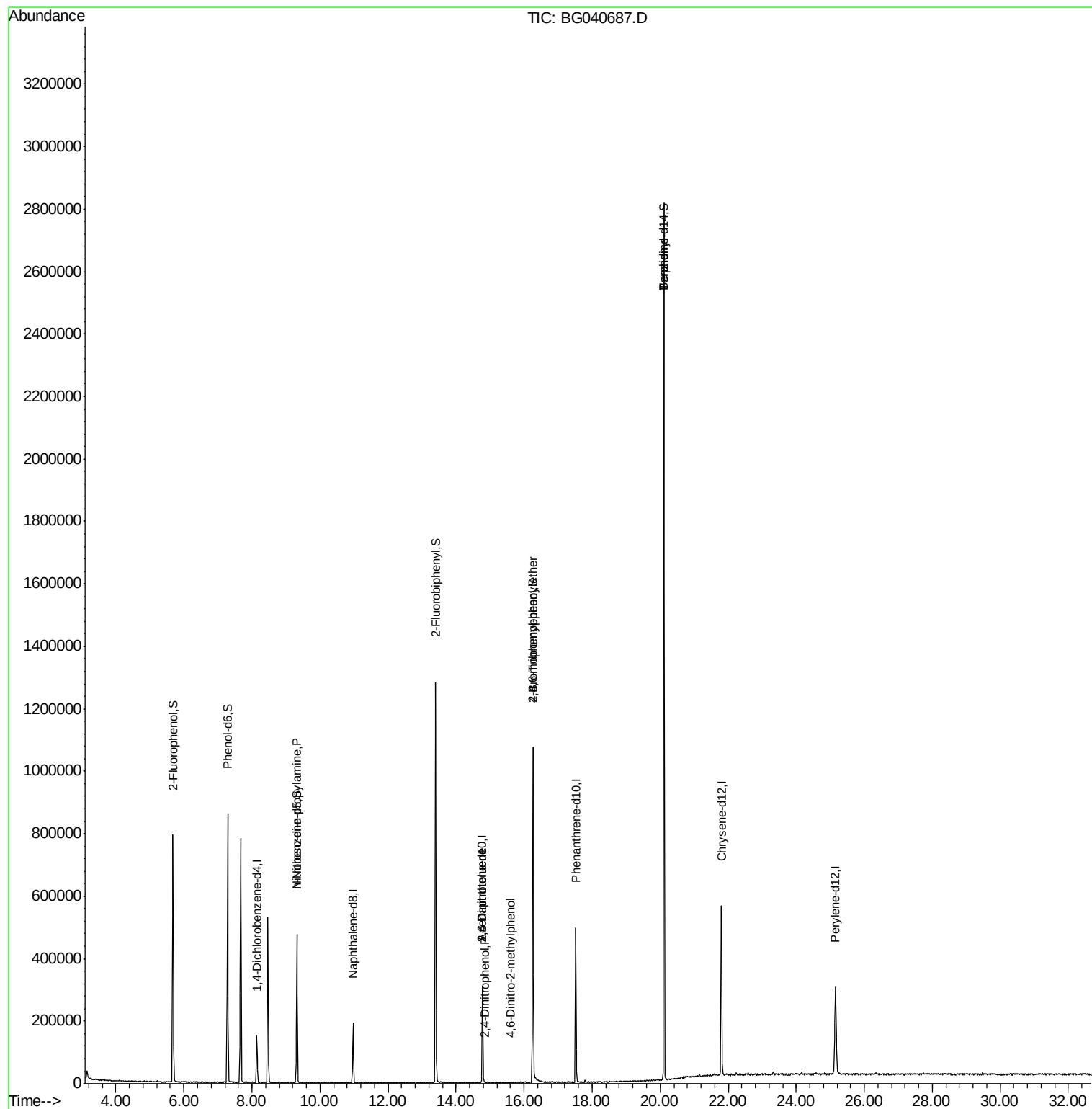
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36706	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	147945	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	107784	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	306328	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	323284	20.00	ng	-0.02
87) Perylene-d12	25.16	264	336316	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	284303	136.53	ng	0.00
7) Phenol-d6	7.28	99	420705	131.22	ng	-0.01
23) Nitrobenzene-d5	9.32	82	279663	87.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	203561	137.40	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	615841	82.52	ng	-0.02
79) Terphenyl-d14	20.12	244	1313555	90.02	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	640	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.32	70	40995	14.204 ng	#	6
51) 2,6-Dinitrotoluene	14.77	165	13563	7.706 ng	#	79
54) 2,4-Dinitrophenol	14.85	184	69	7.078 ng	#	16
57) 2,4-Dinitrotoluene	14.77	165	13563	5.671 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.61	198	142	7.181 ng	#	17
67) 4-Bromophenyl-phenylether	16.26	248	14051	3.682 ng	#	28
77) Benzydine	20.12	184	23509	2.656 ng	#	1
					#	93

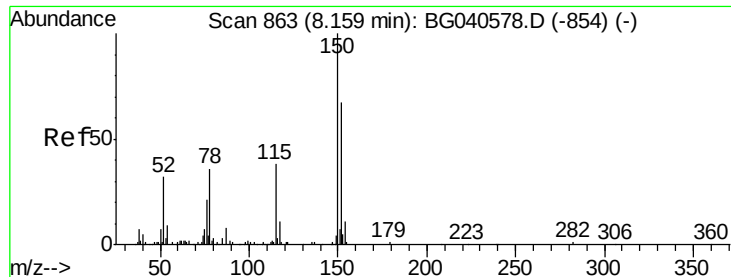
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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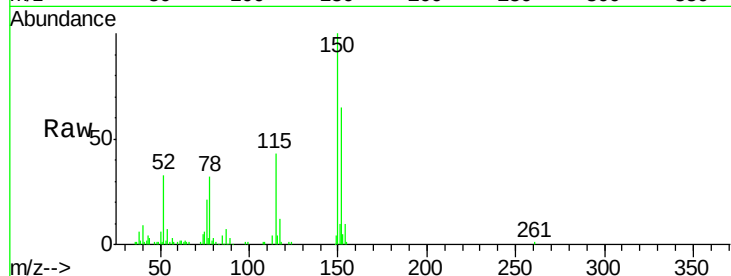


#1

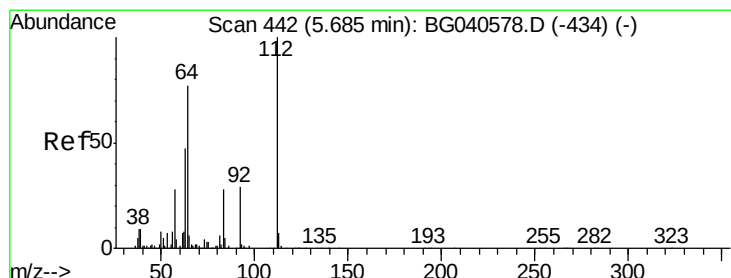
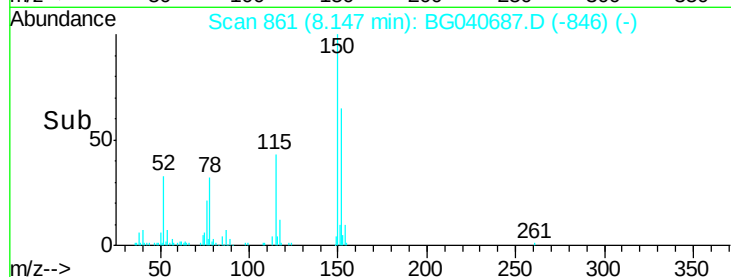
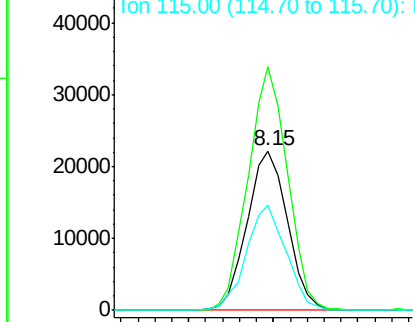
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	36706
Ion	Ratio	Lower	Upper
152	100		
150	152.8	120.2	180.2
115	66.3	46.2	69.2



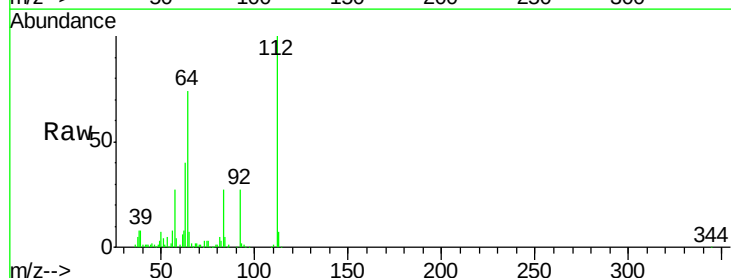
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



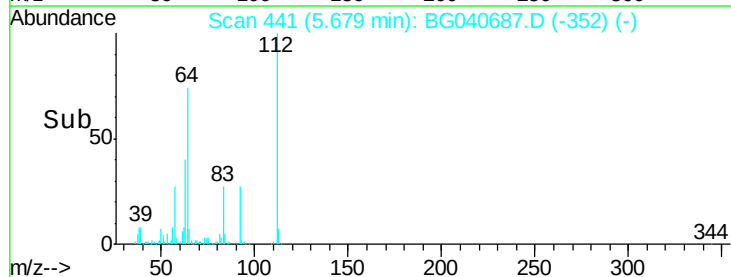
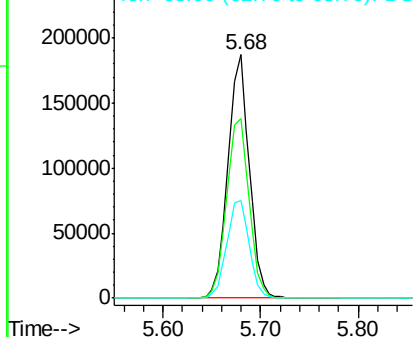
#5

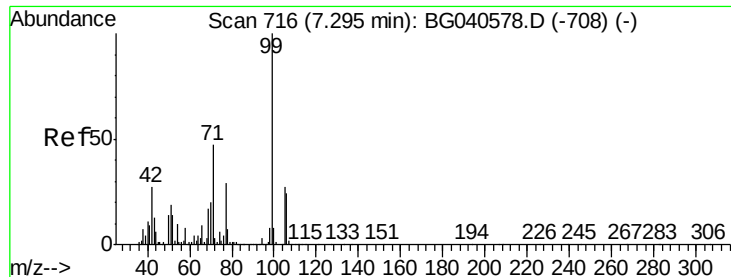
2-Fluorophenol
Concen: 136.533 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

Tgt Ion	112	Resp	284303
Ion	Ratio	Lower	Upper
112	100		
64	73.6	61.4	92.0
63	40.3	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: 131.218 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

Instrument :

BNA_G

ClientSampleId :

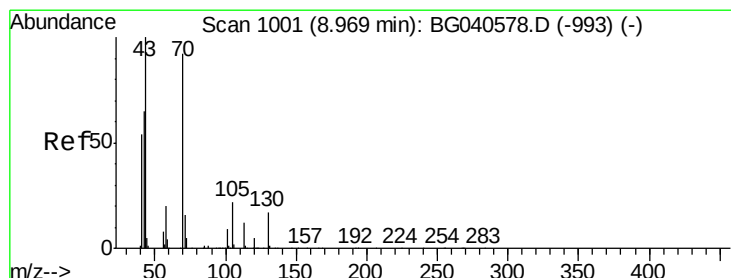
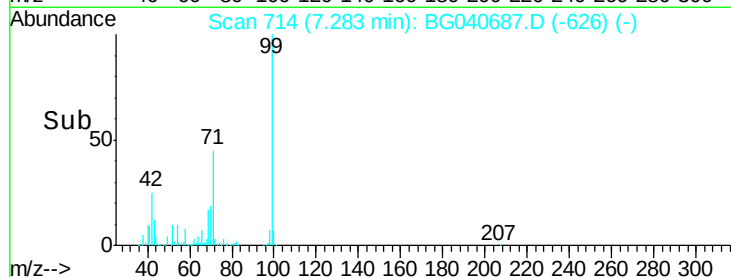
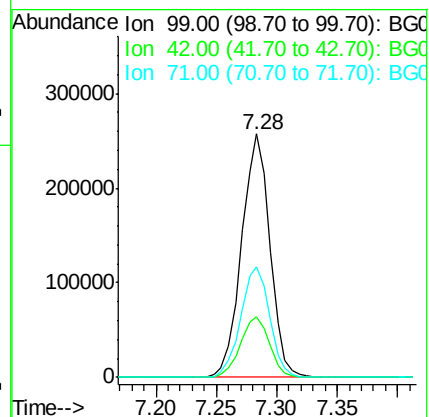
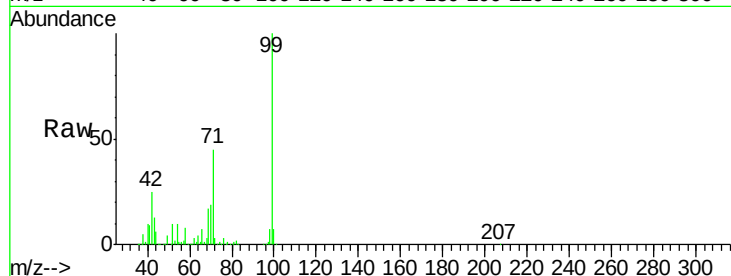
Tot Ion: 99 Resp: 420705

Ion Ratio Lower Upper

99 100

42 24.8 21.8 32.8

71 45.2 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.204 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

Tgt Ion: 70 Resp: 40995

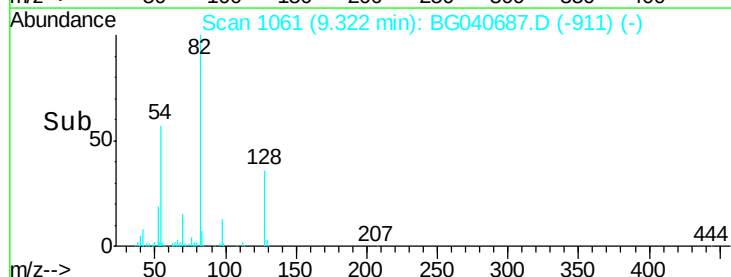
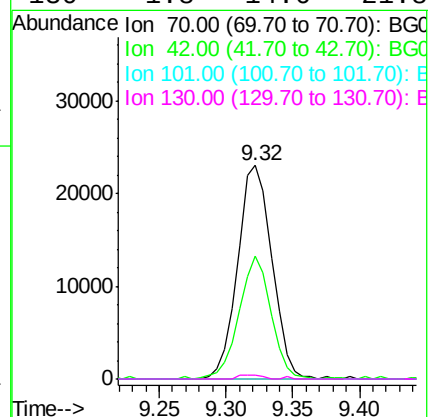
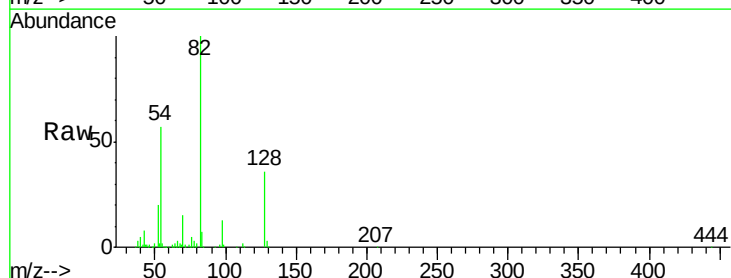
Ion Ratio Lower Upper

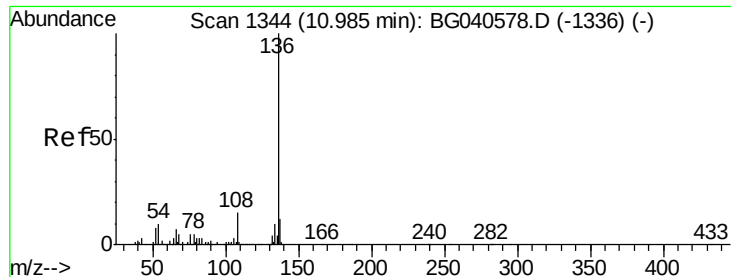
70 100

42 57.6 57.1 85.7

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

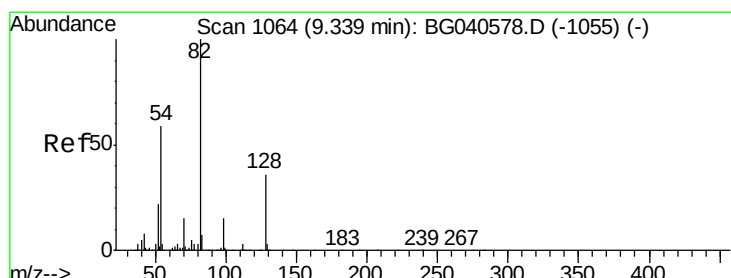
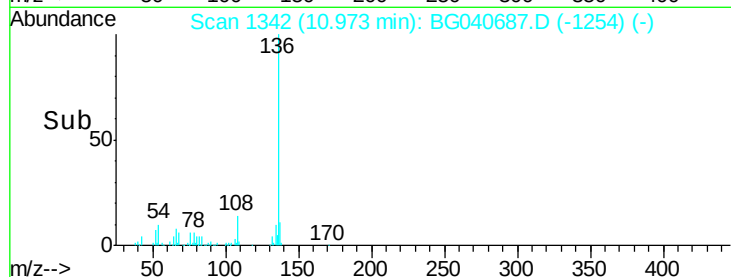
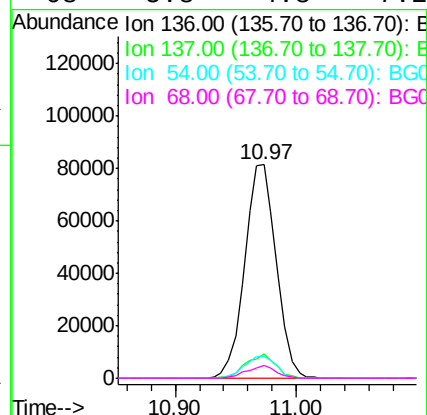
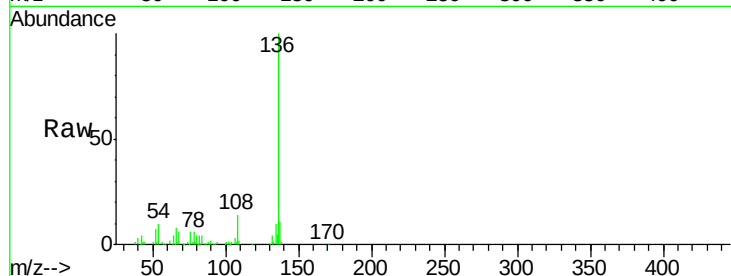




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

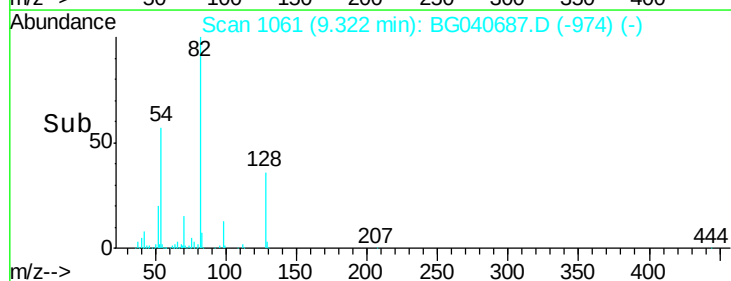
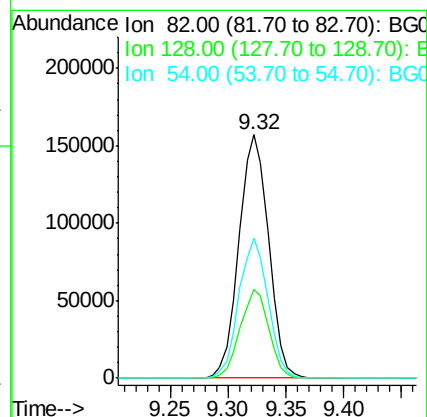
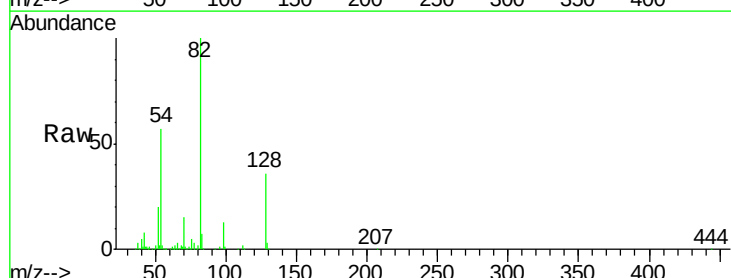
Instrument :
BNA_G
ClientSampleId :

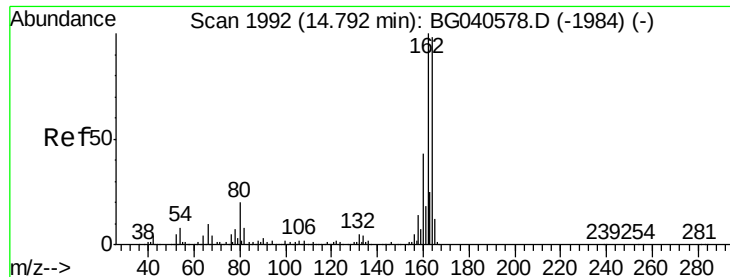
Tot Ion:136	Resp:	147945	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.7	14.5	
54 10.2	8.6	12.8	
68 5.8	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 87.344 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

Tgt	Ion: 82	Resp:	279663
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	57.3	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: BG040687.D

Acq: 1 May 2019 00:47

Instrument :

BNA_G

ClientSampled :

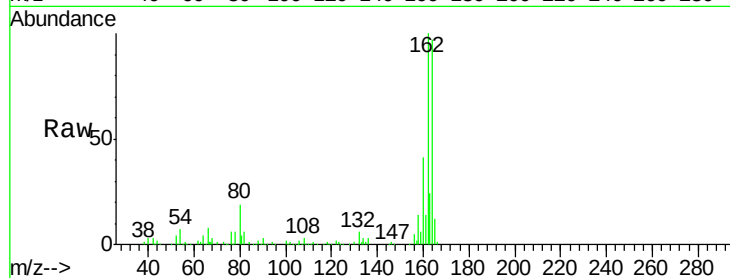
Tot Ion:164 Resp: 107784

Ion Ratio Lower Upper

164 100

162 103.2 81.9 122.9

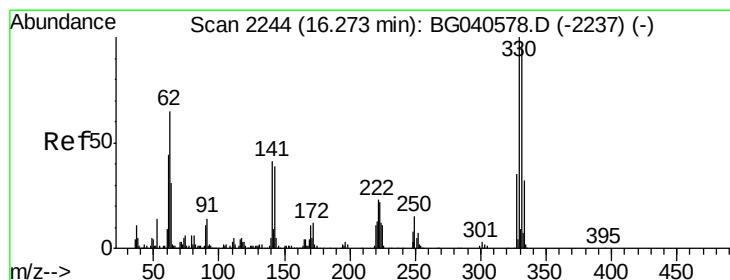
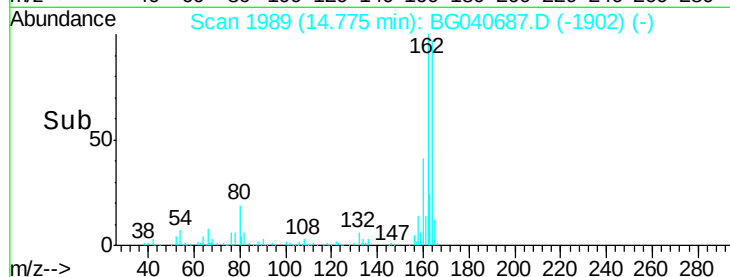
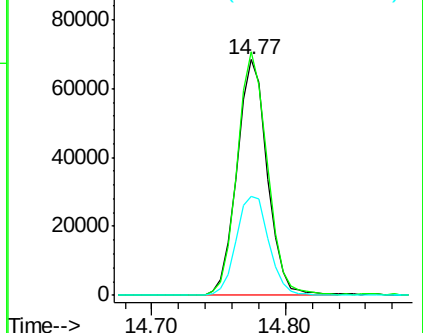
160 42.0 35.4 53.2



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: 137.401 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

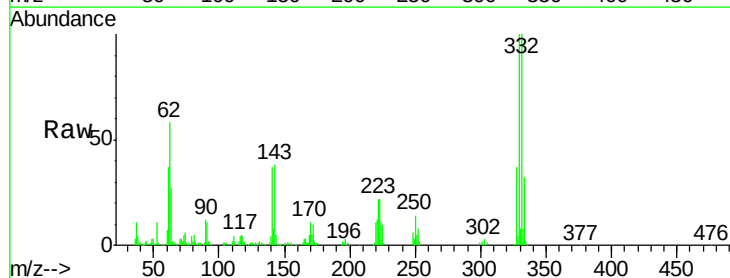
Tgt Ion:330 Resp: 203561

Ion Ratio Lower Upper

330 100

332 95.4 75.9 113.9

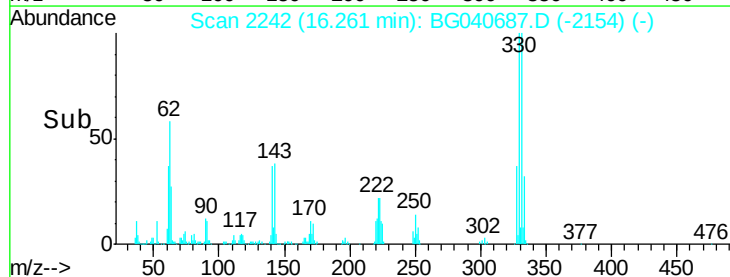
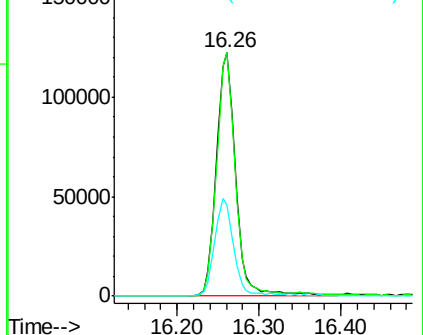
141 39.4 32.4 48.6

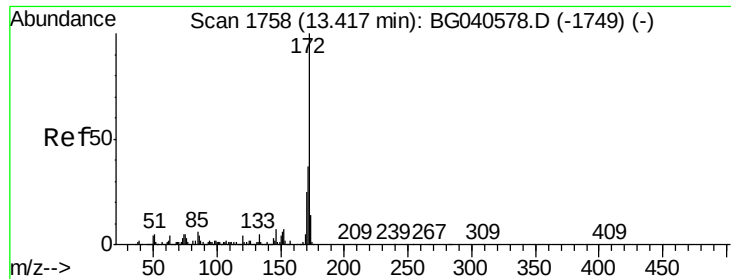


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 82.517 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

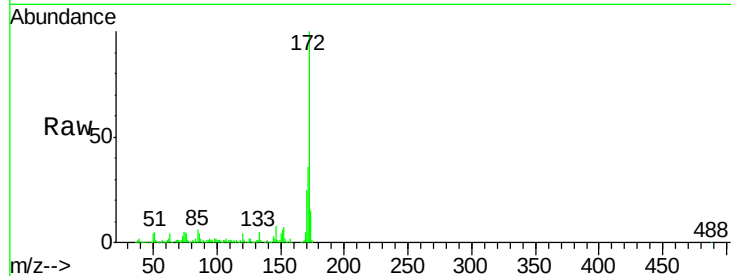
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 615841

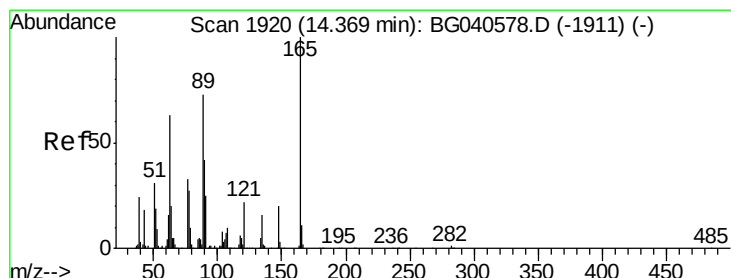
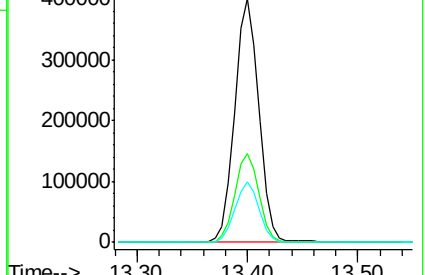
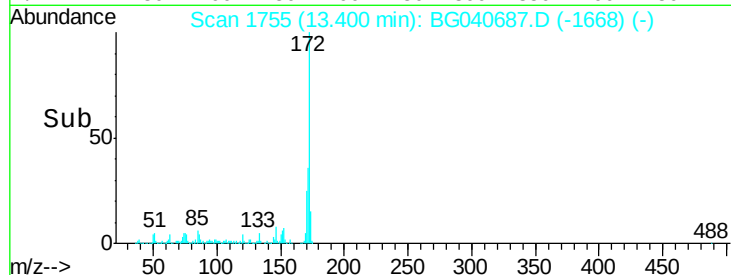
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.6	19.9	29.9



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: 7.706 ng

RT: 14.77 min Scan# 1989

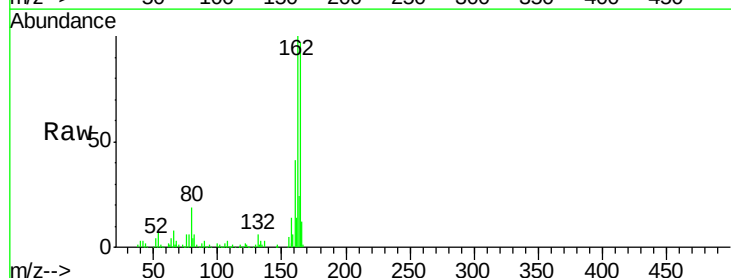
Delta R.T. 0.41 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

Tgt Ion:165 Resp: 13563

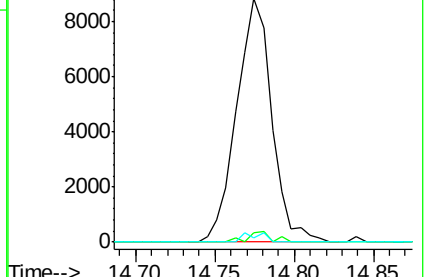
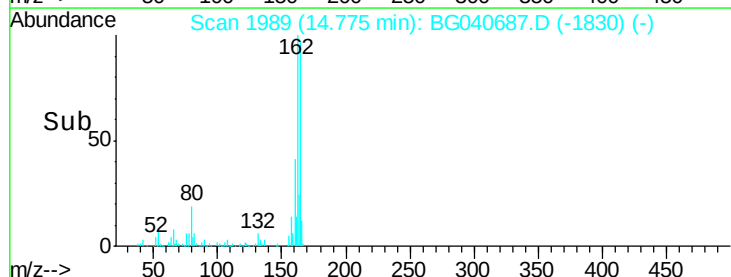
Ion	Ratio	Lower	Upper
165	100		
63	4.1	61.0	91.4#
89	1.8	58.6	87.8#

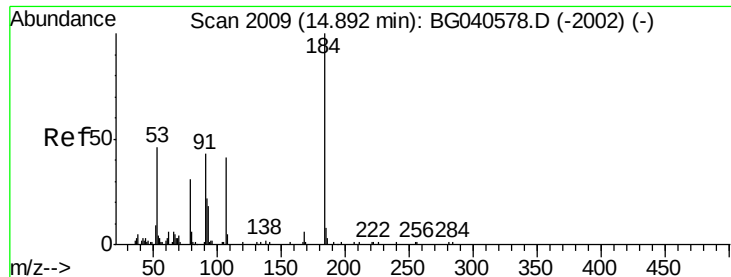


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

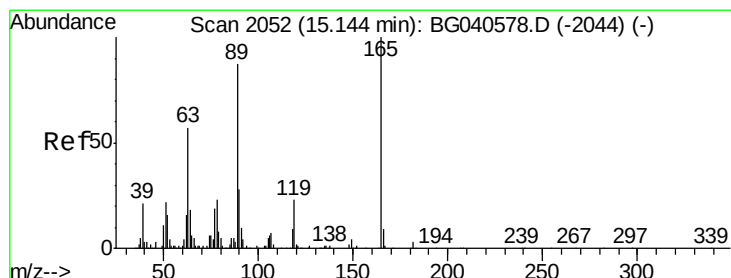
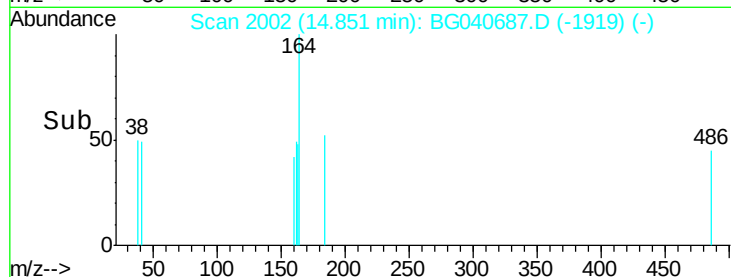
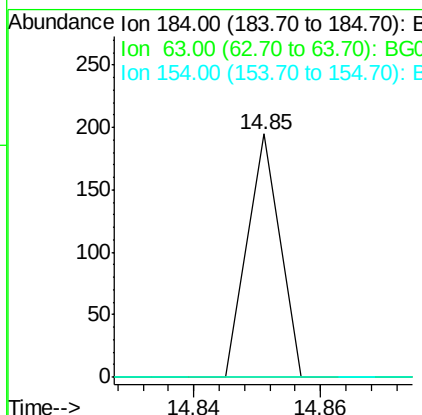
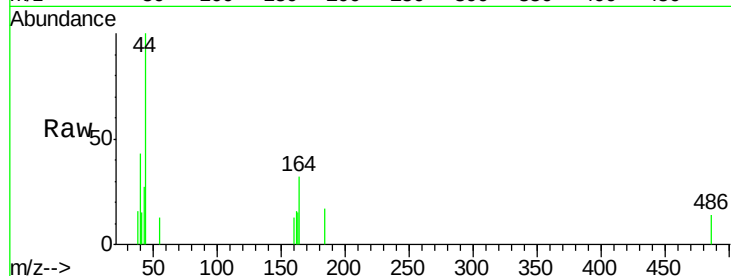




#54
2,4-Dinitrophenol
Concen: 7.078 ng
RT: 14.85 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

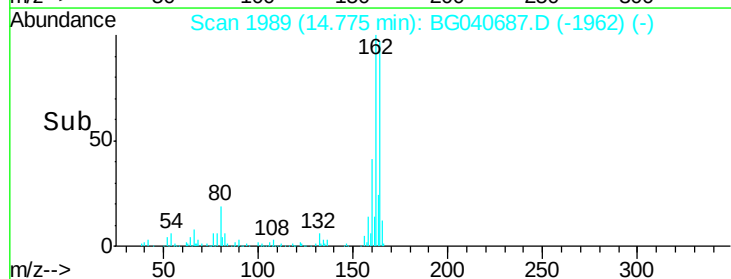
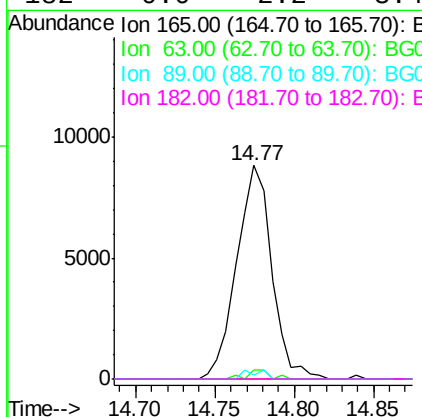
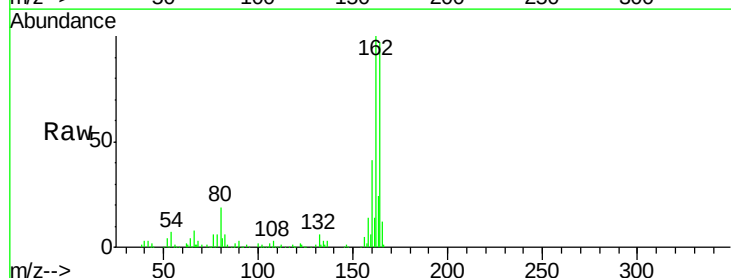
Instrument :
BNA_G
ClientSampled :

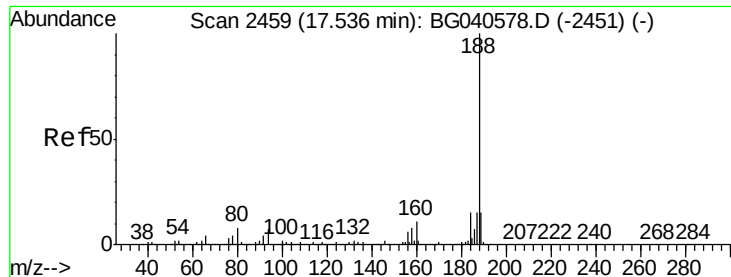
Tot Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.671 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

Tgt Ion:165 Resp: 13563
Ion Ratio Lower Upper
165 100
63 4.1 45.8 68.8#
89 1.8 69.4 104.2#
182 0.0 2.2 3.4#

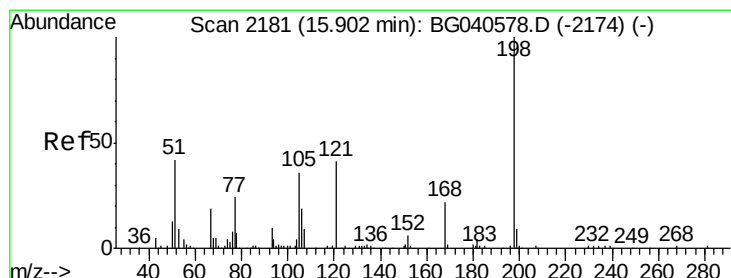
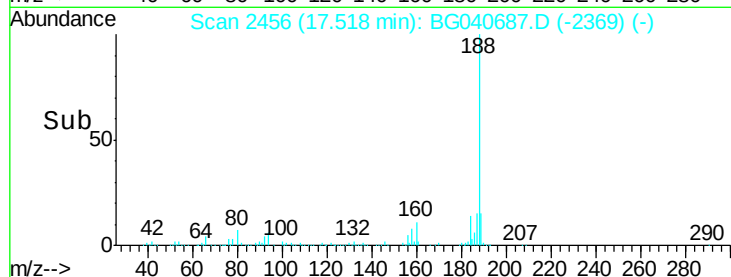
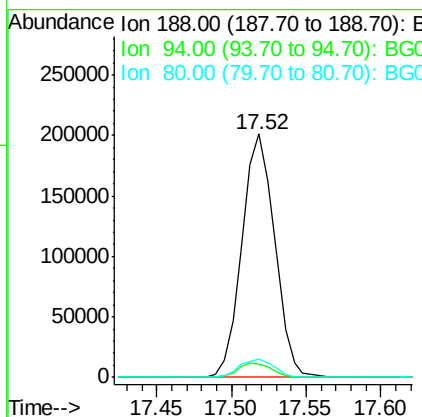
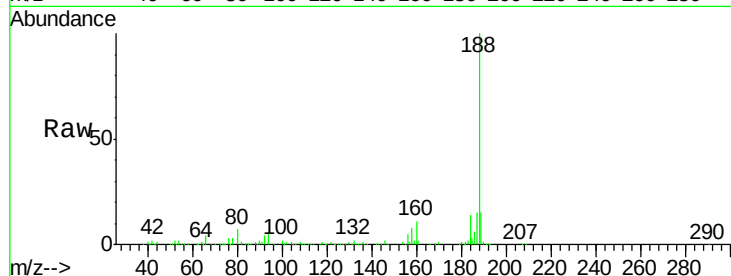




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040687.D
 Acq: 1 May 2019 00:47

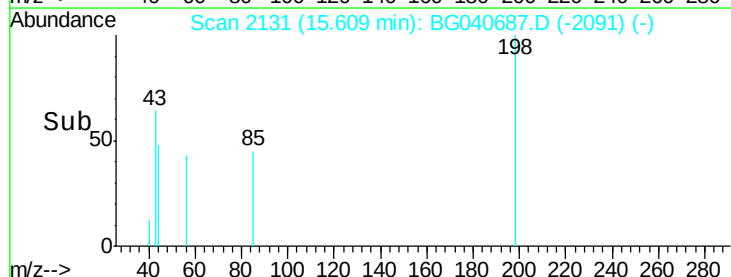
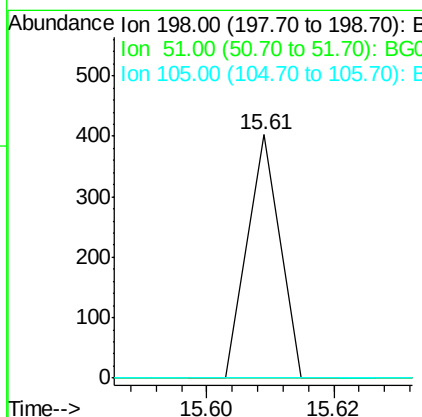
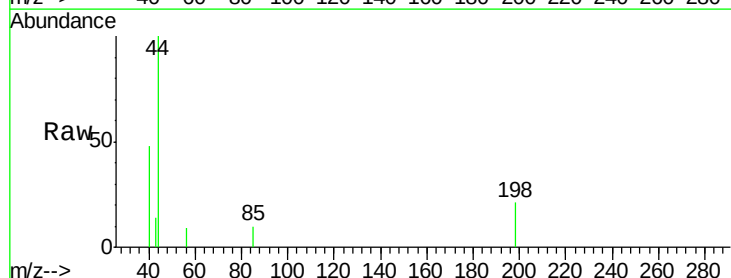
Instrument :
 BNA_G
 ClientSampleId :

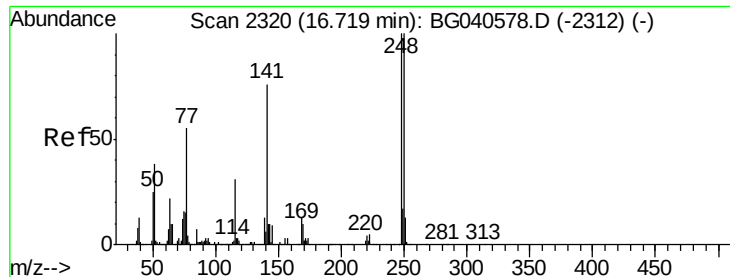
Tot Ion:188 Resp: 306328
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.6 8.4
 80 7.4 6.4 9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.181 ng
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.29 min
 Lab File: BG040687.D
 Acq: 1 May 2019 00:47

Tgt Ion:198 Resp: 142
 Ion Ratio Lower Upper
 198 100
 51 0.0 35.9 75.9#
 105 0.0 21.2 61.2#

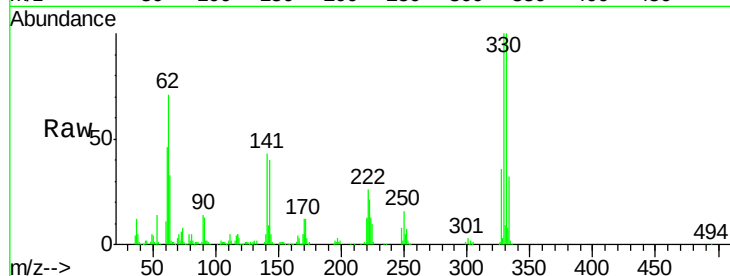




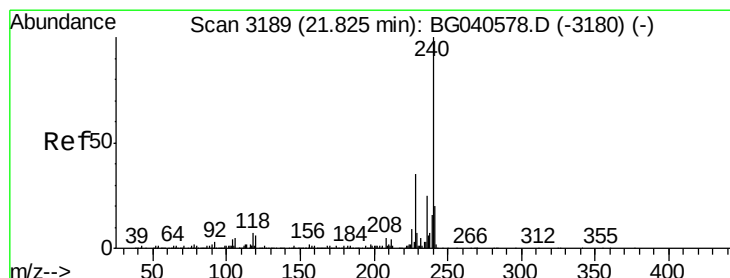
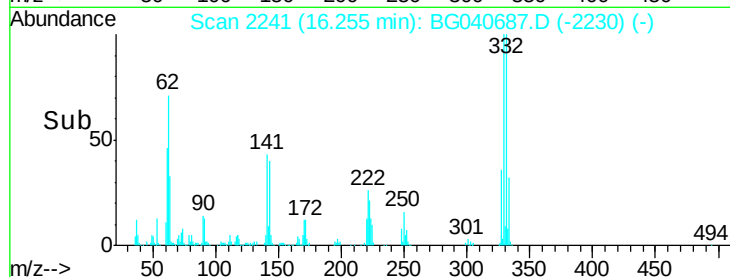
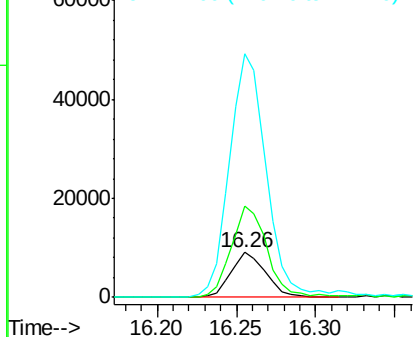
#67
 4-Bromophenyl-phenylether
 Concen: 3.682 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040687.D
 Acq: 1 May 2019 00:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14051
 Ion Ratio Lower Upper
 248 100
 250 263.4 79.8 119.6#
 141 540.3 60.8 91.2#

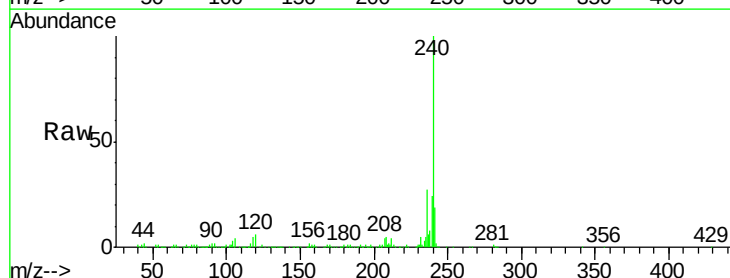


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

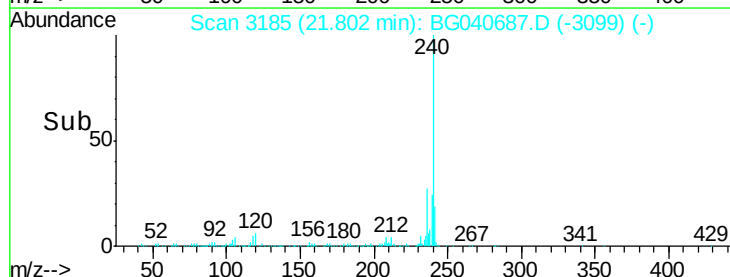
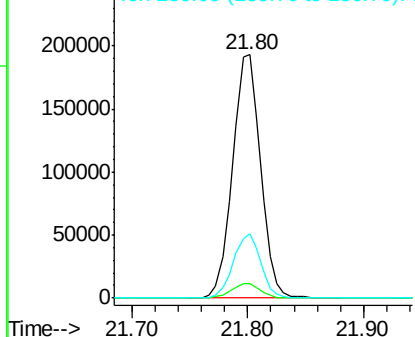


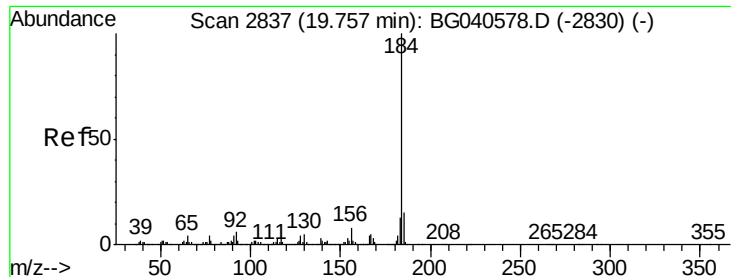
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040687.D
 Acq: 1 May 2019 00:47

Tgt Ion:240 Resp: 323284
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.0 7.6
 236 26.6 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: 2.656 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

Instrument :

BNA_G

ClientSampled :

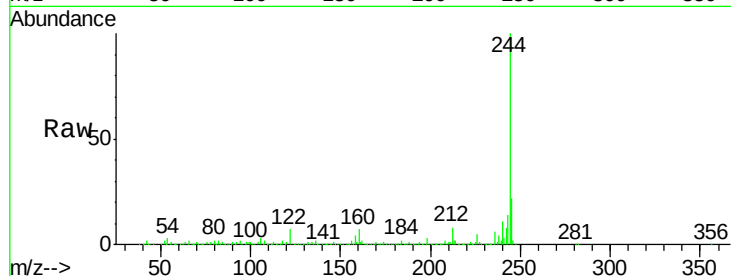
Tot Ion:184 Resp: 23509

Ion Ratio Lower Upper

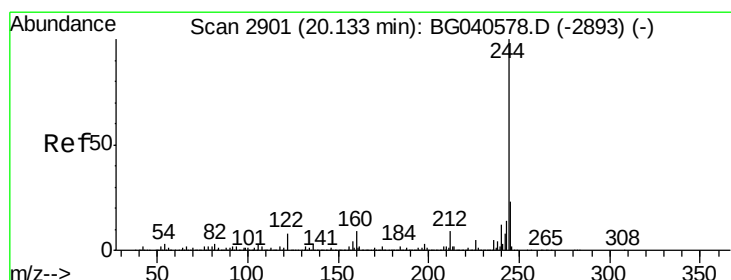
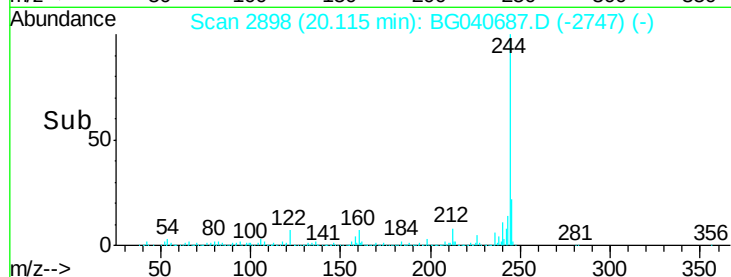
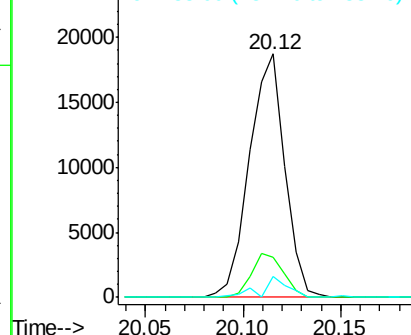
184 100

185 16.3 11.8 17.8

183 8.4 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: 90.016 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040687.D

Acq: 1 May 2019 00:47

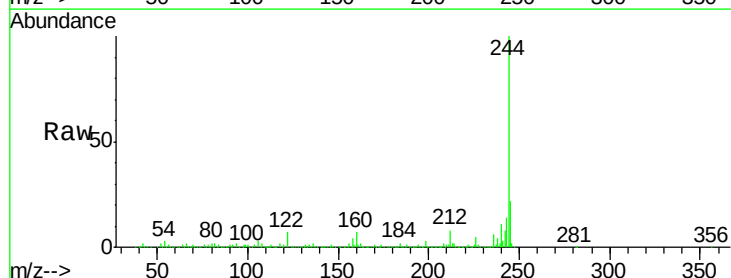
Tgt Ion:244 Resp: 1313555

Ion Ratio Lower Upper

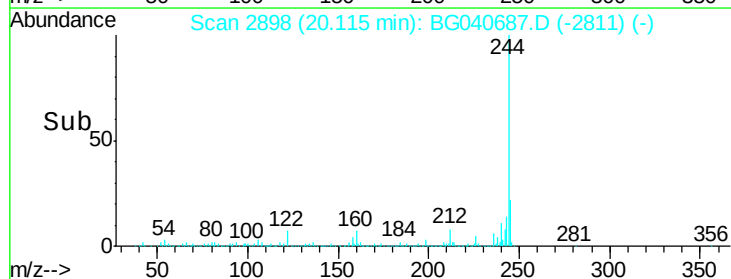
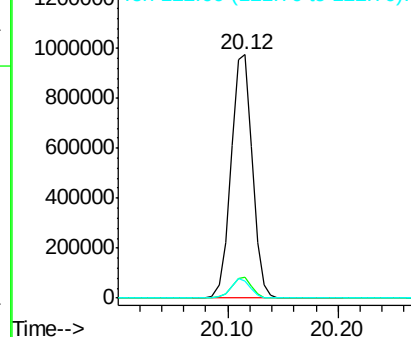
244 100

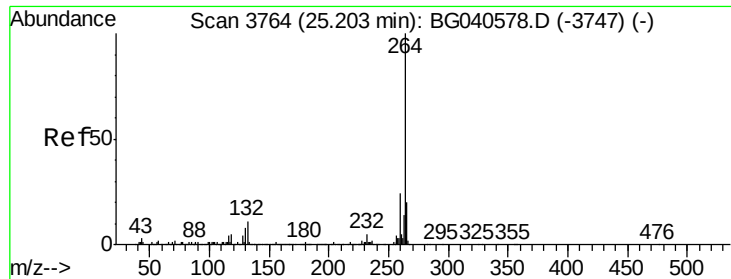
212 8.3 7.2 10.8

122 7.2 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

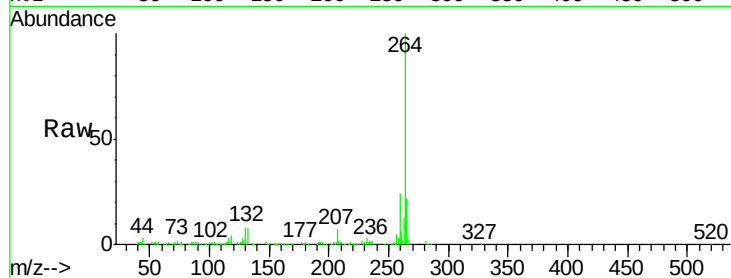




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040687.D
Acq: 1 May 2019 00:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	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

