

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042419\
 Data File : BG040587.D
 Acq On : 24 Apr 2019 10:57
 Operator : JU/SJ
 Sample : K2515-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 13:32:29 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

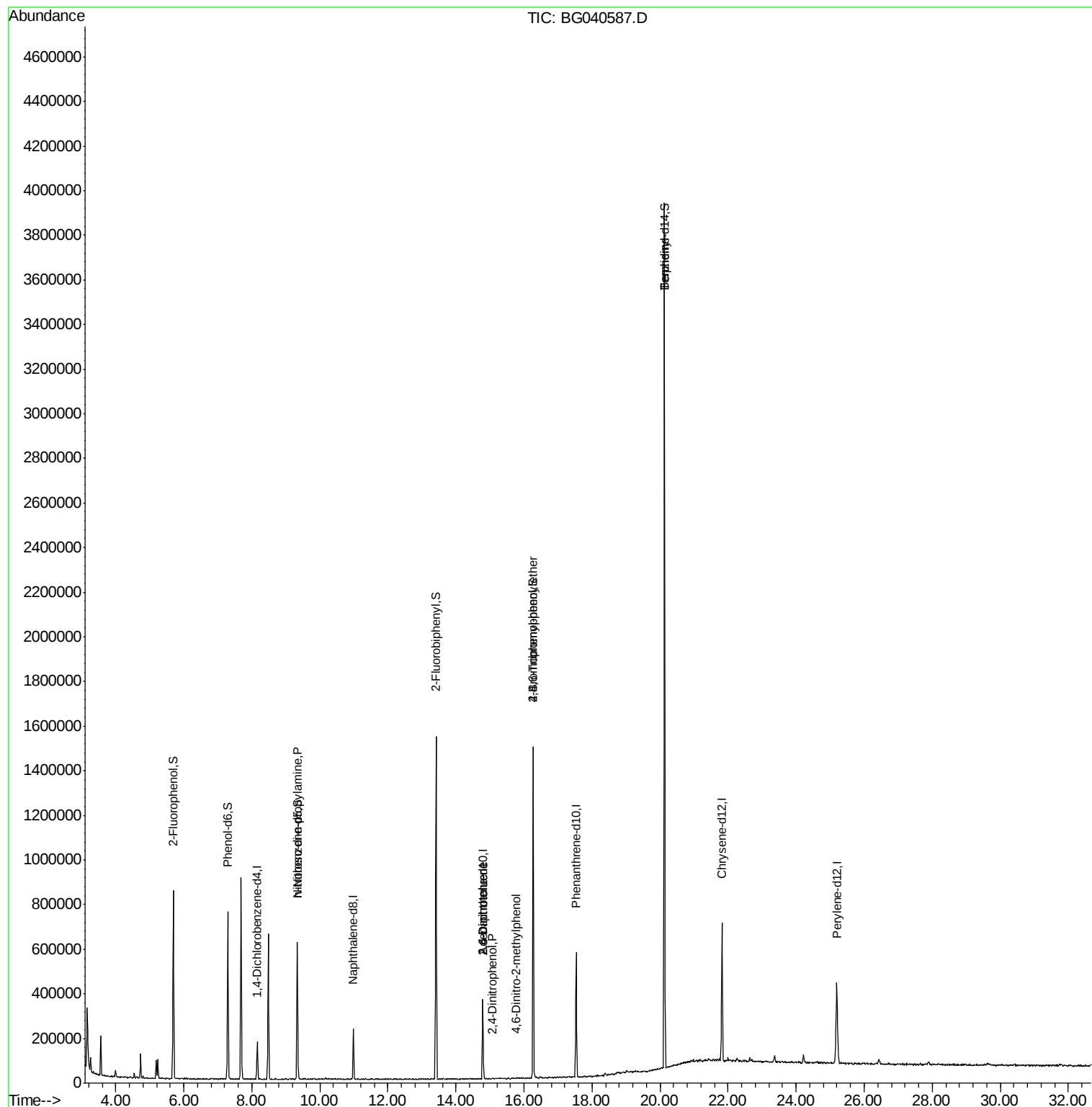
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41898	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	164715	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	119311	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	322114	20.00	ng	0.00
76) Chrysene-d12	21.82	240	362689	20.00	ng	0.00
87) Perylene-d12	25.19	264	386549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	285842	120.26	ng	0.00
7) Phenol-d6	7.29	99	364148	99.50	ng	0.00
23) Nitrobenzene-d5	9.34	82	344706	96.70	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	236026	143.92	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	710228	85.97	ng	0.00
79) Terphenyl-d14	20.13	244	1596340	97.51	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	3172	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	52421	15.912 ng	#	44
51) 2,6-Dinitrotoluene	14.78	165	15323	7.865 ng	#	82
54) 2,4-Dinitrophenol	15.07	184	66	7.069 ng	#	14
57) 2,4-Dinitrotoluene	14.78	165	15323	5.788 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.76	198	55	7.131 ng	#	16
67) 4-Bromophenyl-phenylether	16.27	248	18360	4.575 ng	#	16
77) Benzydine	20.13	184	34117	3.436 ng	#	1
					#	92

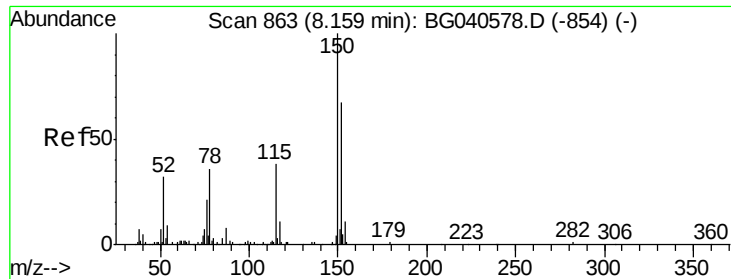
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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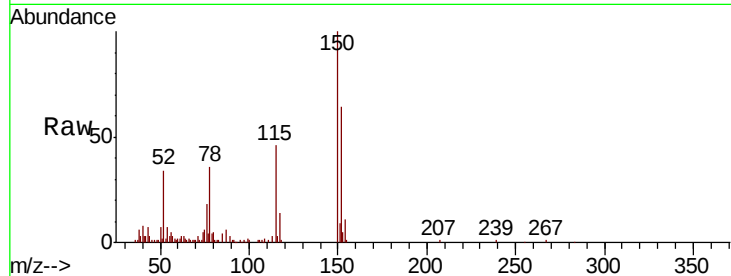


#1

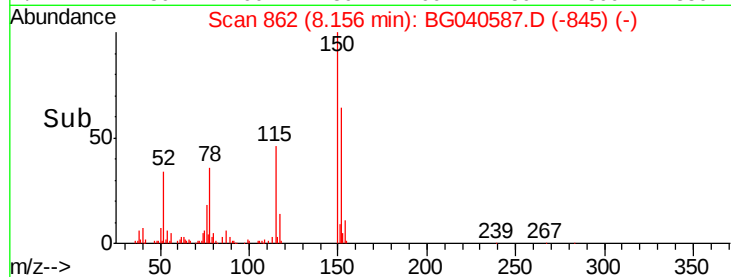
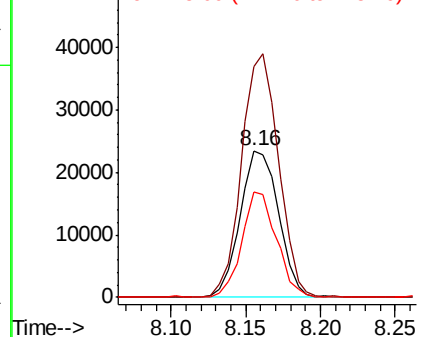
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 41898
Ion Ratio Lower Upper
152 100
150 157.4 120.2 180.2
115 71.9 46.2 69.2#



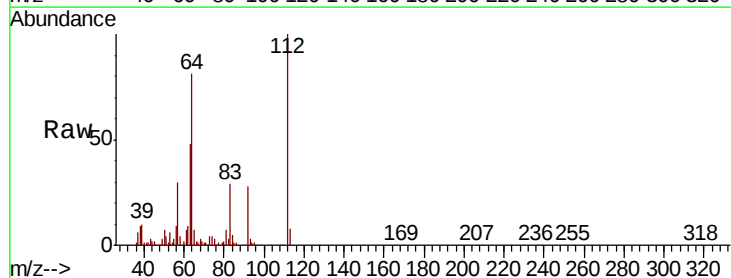
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



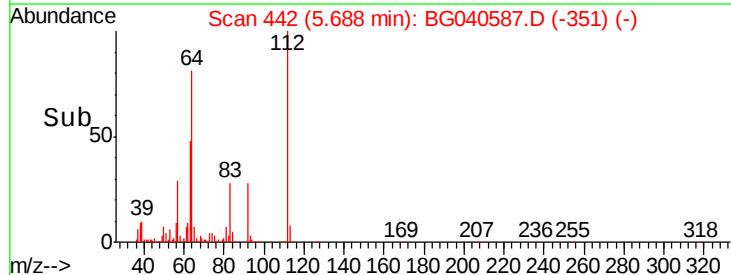
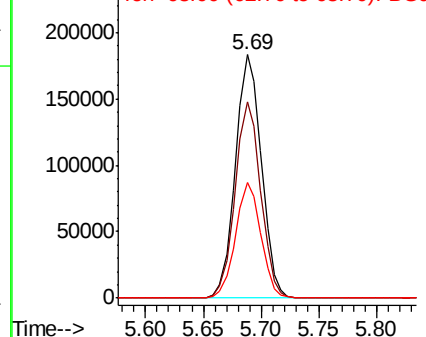
#5

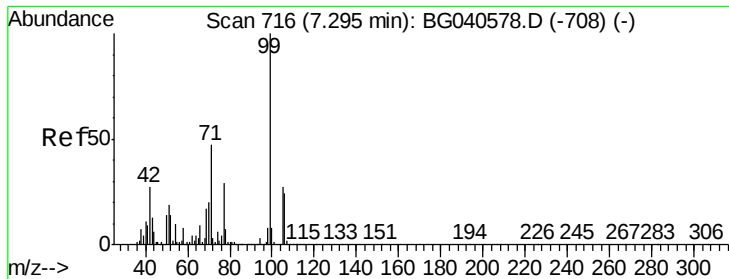
2-Fluorophenol
Concen: 120.262 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Tgt Ion:112 Resp: 285842
Ion Ratio Lower Upper
112 100
64 80.6 61.4 92.0
63 47.6 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: 99.503 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

Instrument :

BNA_G

ClientSampled :

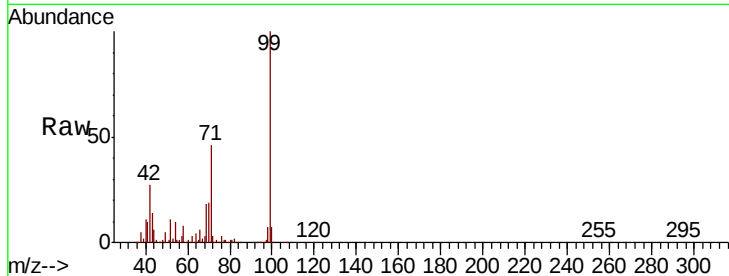
Tot Ion: 99 Resp: 364148

Ion Ratio Lower Upper

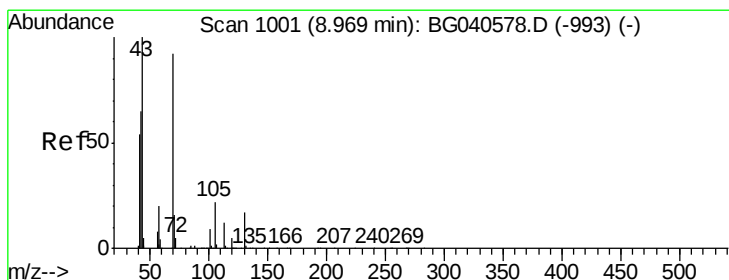
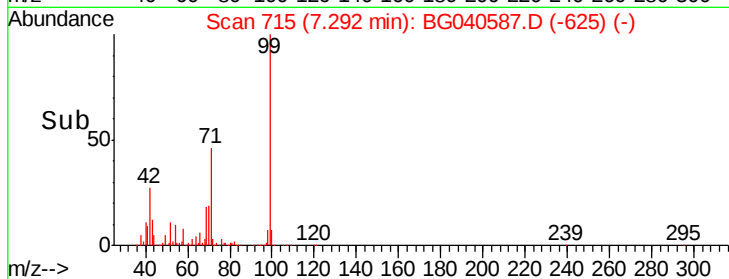
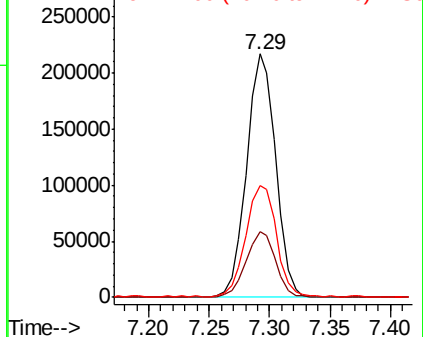
99 100

42 26.8 21.8 32.8

71 46.0 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: 15.912 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

Tgt Ion: 70 Resp: 52421

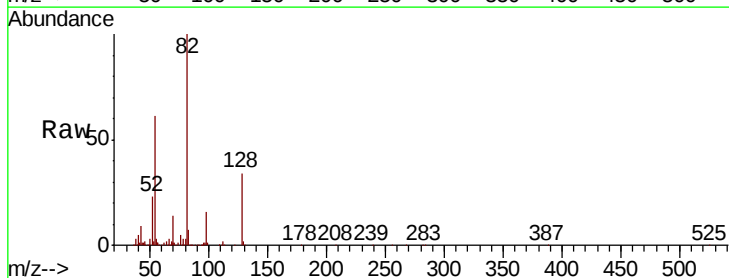
Ion Ratio Lower Upper

70 100

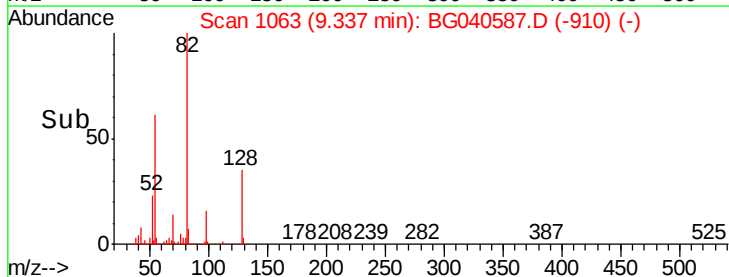
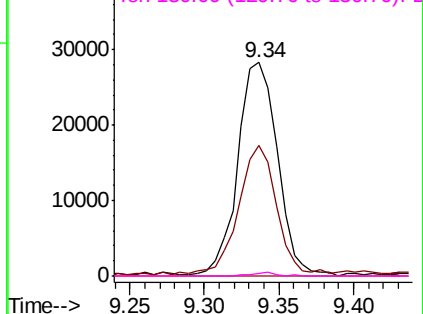
42 61.1 57.1 85.7

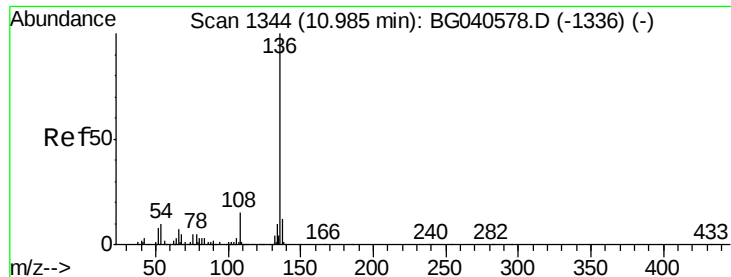
101 0.0 7.8 11.8#

130 1.3 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

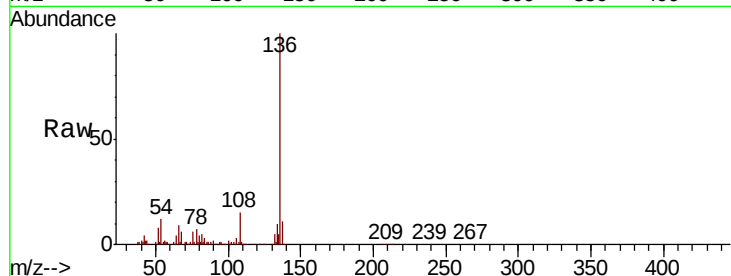




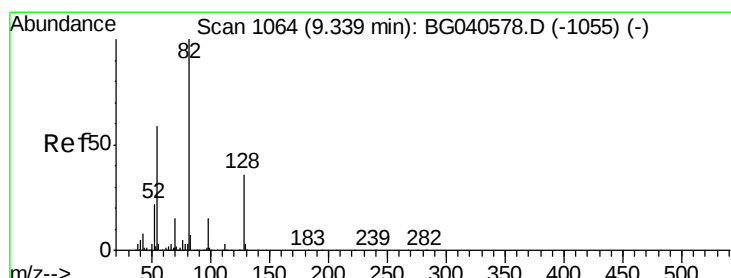
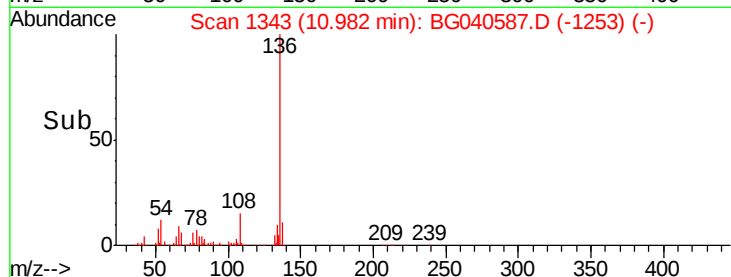
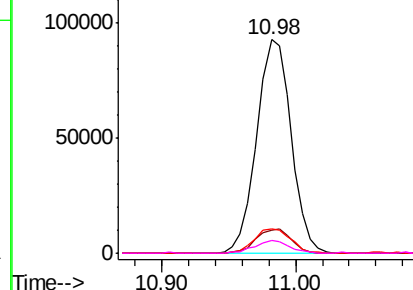
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	164715
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.7	14.5
54 11.6	8.6	12.8
68 6.1	4.8	7.2

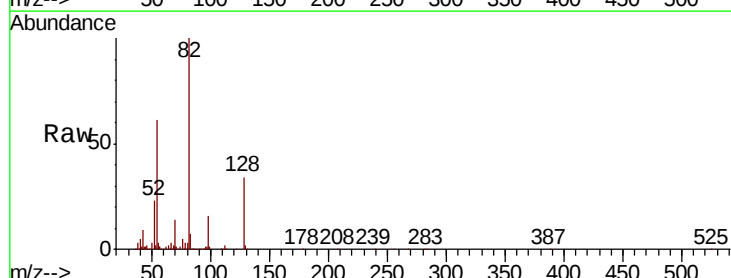


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

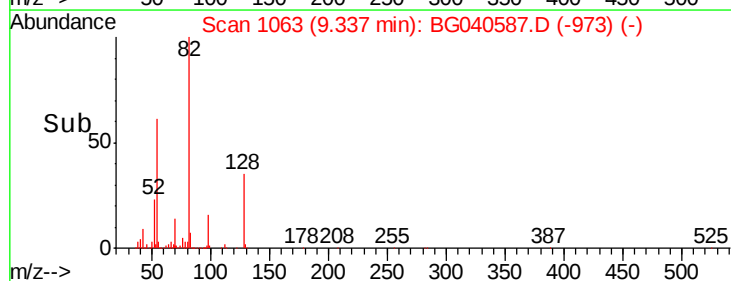
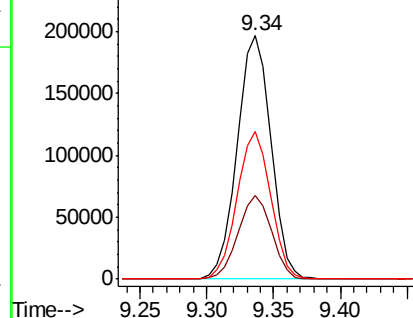


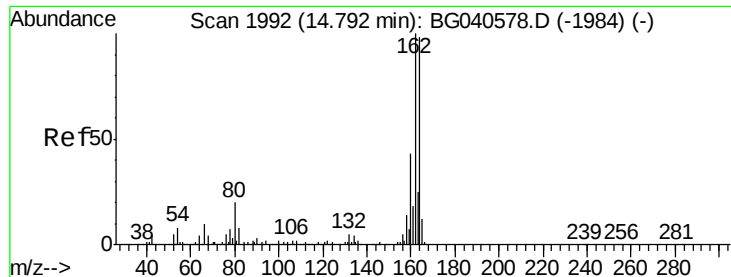
#23
Nitrobenzene-d5
Concen: 96.698 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Tgt Ion	82	Resp: Lower	344706 Upper
	Ratio 100		
128	34.5	28.9	43.3
54	60.7	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

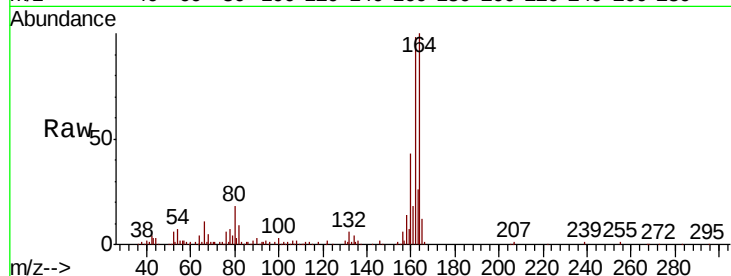




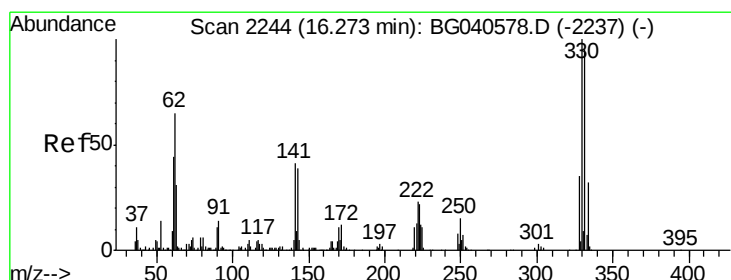
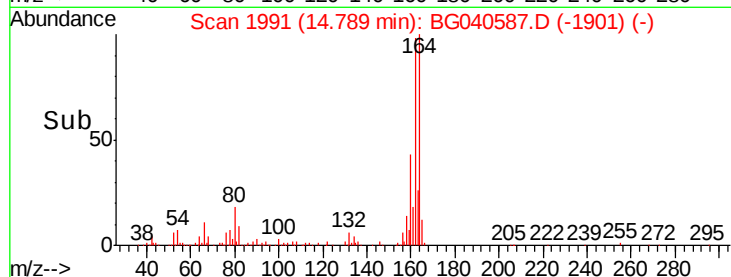
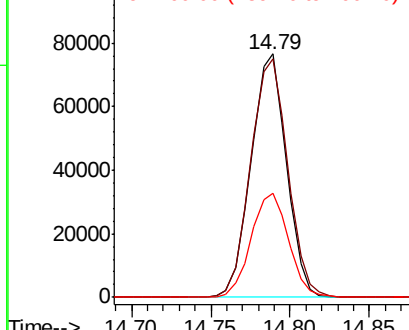
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 119311
Ion Ratio Lower Upper
164 100
162 98.0 81.9 122.9
160 42.5 35.4 53.2

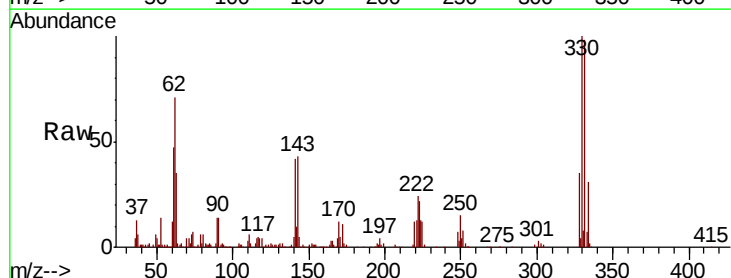


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

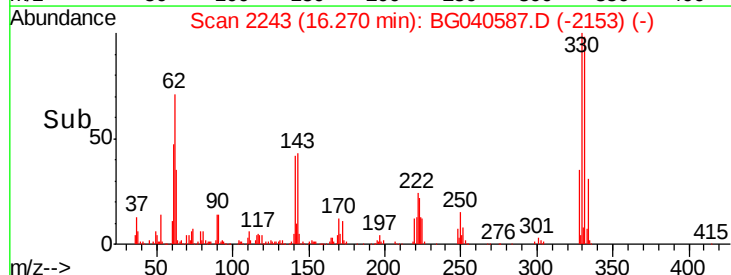
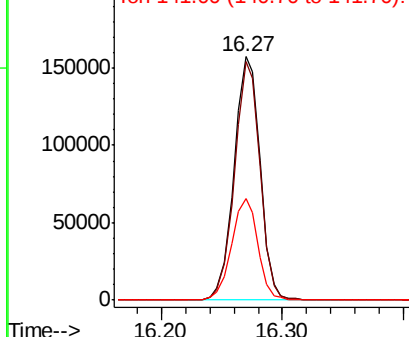


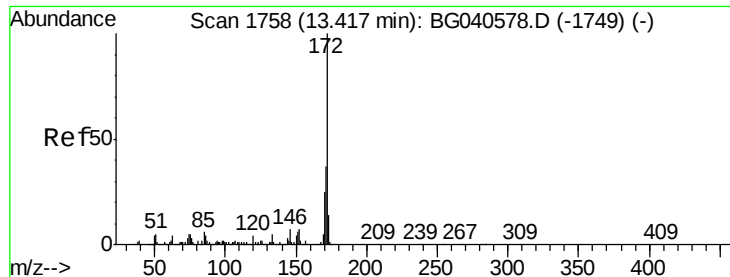
#42
2,4,6-Tribromophenol
Concen: 143.922 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Tgt Ion:330 Resp: 236026
Ion Ratio Lower Upper
330 100
332 96.1 75.9 113.9
141 42.2 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: 85.970 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

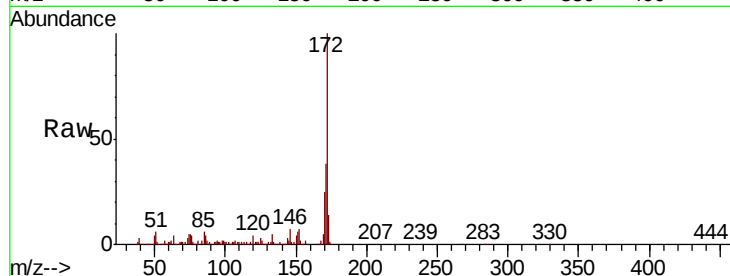
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 710228

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	24.8	19.9	29.9

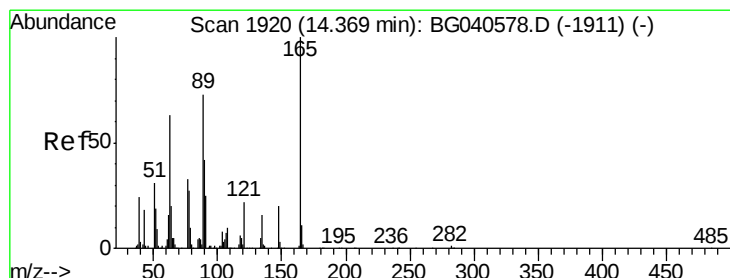
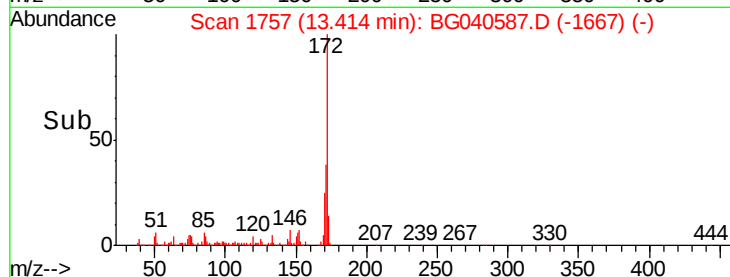
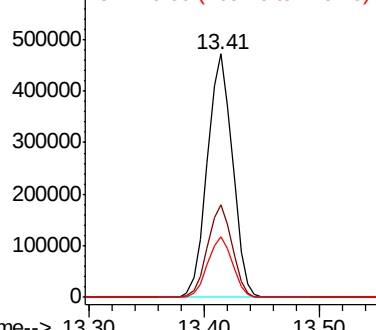


Abundance

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: 7.865 ng

RT: 14.78 min Scan# 1990

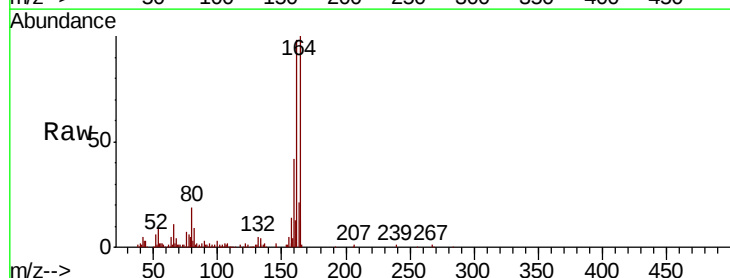
Delta R.T. 0.41 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

Tgt Ion:165 Resp: 15323

Ion	Ratio	Lower	Upper
165	100		
63	3.6	61.0	91.4#
89	0.0	58.6	87.8#

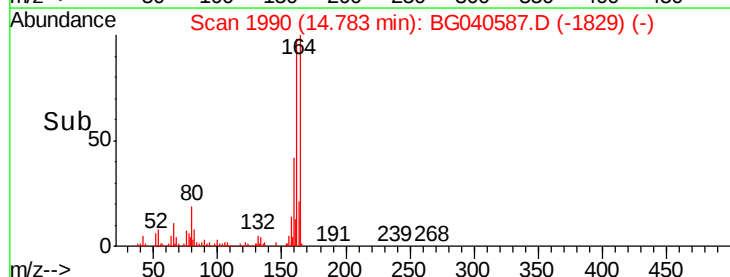
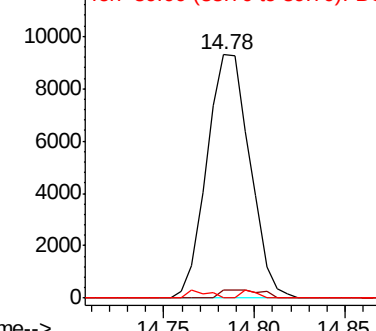


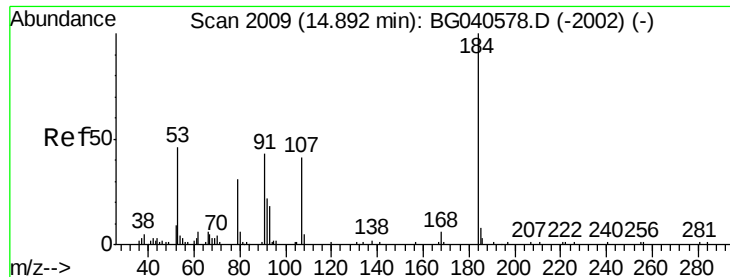
Abundance

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

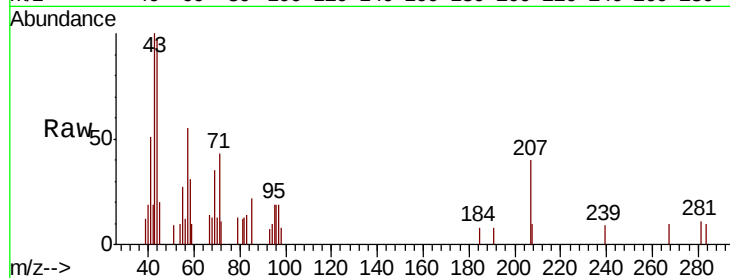




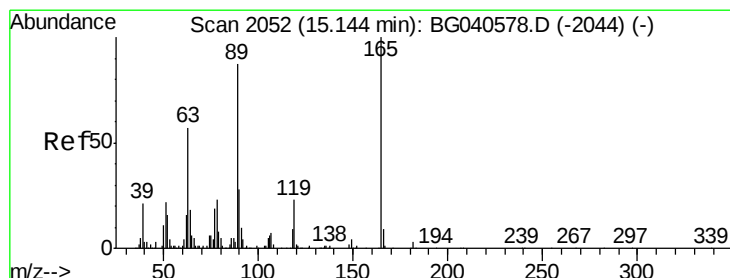
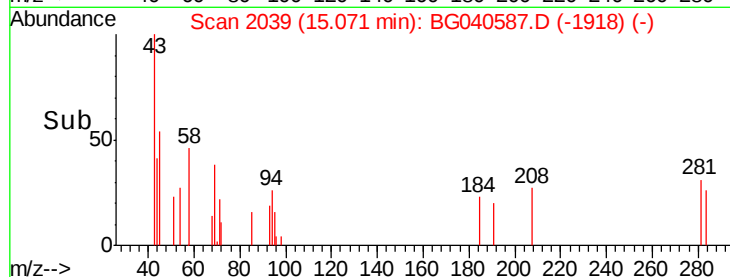
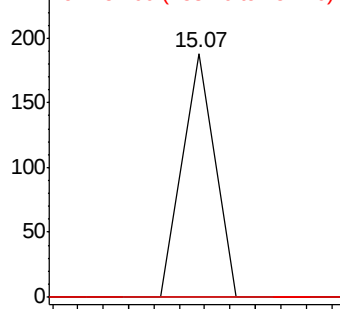
#54
2,4-Dinitrophenol
Concen: 7.069 ng
RT: 15.07 min Scan# 2039
Delta R.T. 0.18 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Instrument :
BNA_G
ClientSampled :

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#

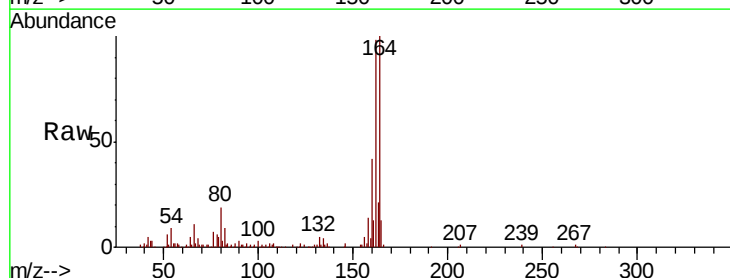


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

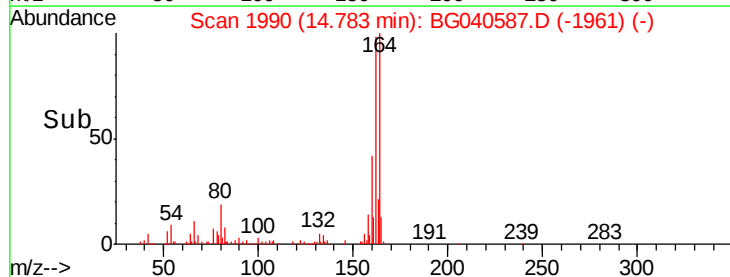
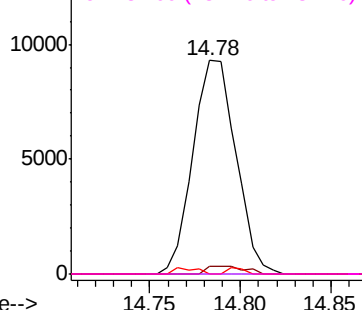


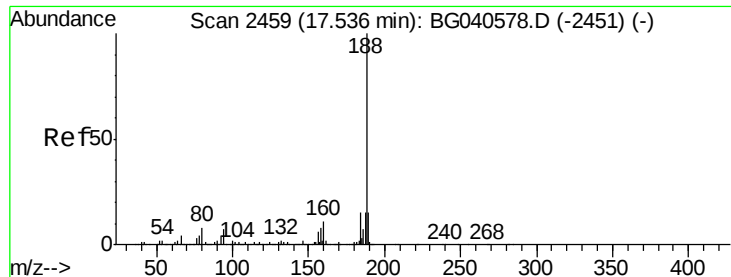
#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.36 min
Lab File: BG040587.D
Acq: 24 Apr 2019 10:57

Tgt Ion:165 Resp: 15323
Ion Ratio Lower Upper
165 100
63 3.6 45.8 68.8#
89 0.0 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: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

Instrument :

BNA_G

ClientSampled :

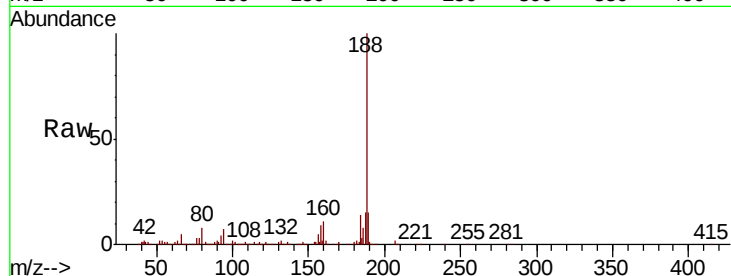
Tot Ion:188 Resp: 322114

Ion Ratio Lower Upper

188 100

94 7.3 5.6 8.4

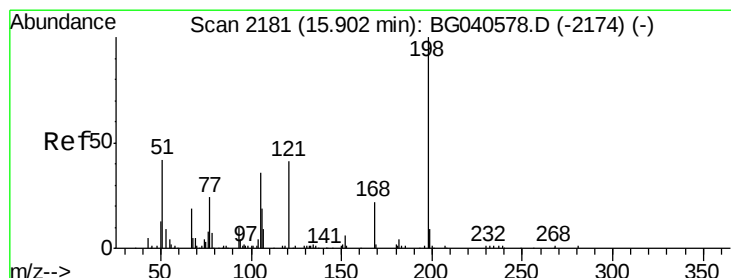
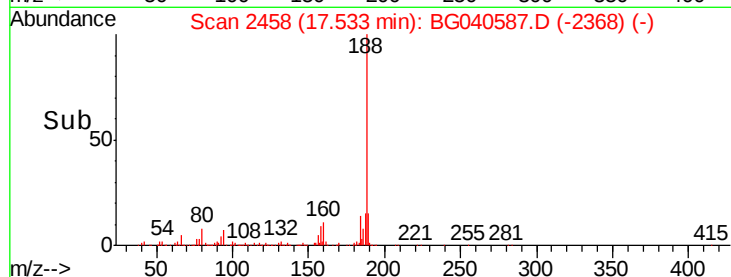
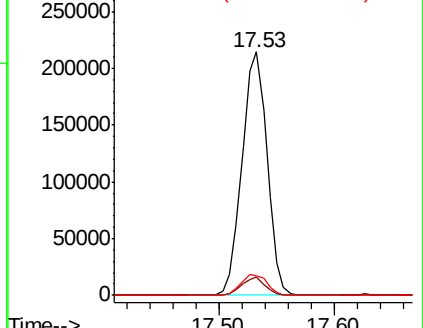
80 8.2 6.4 9.6



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: 7.131 ng

RT: 15.76 min Scan# 2157

Delta R.T. -0.14 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

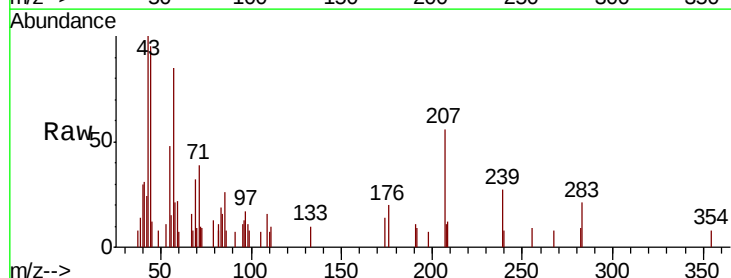
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

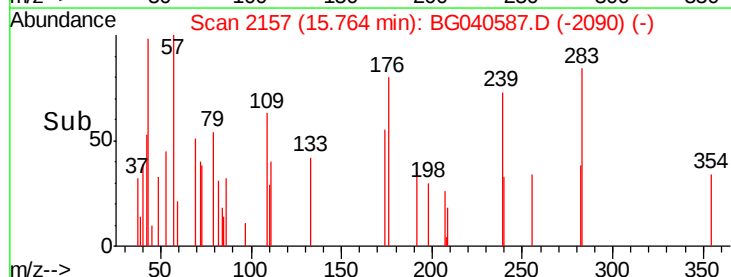
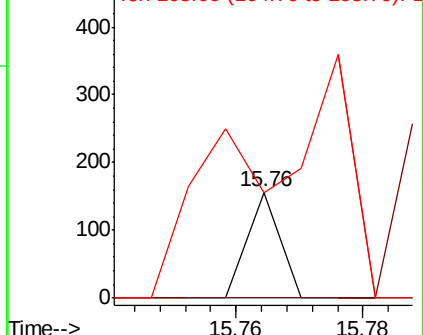
105 99.4 21.2 61.2#

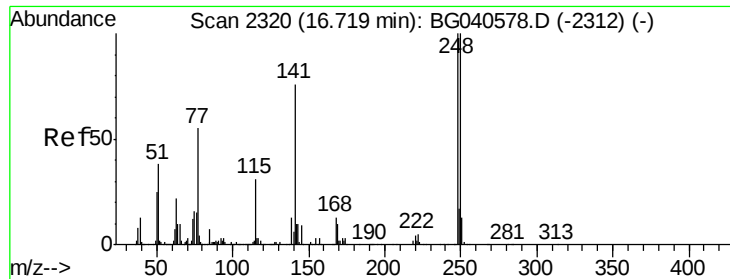


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

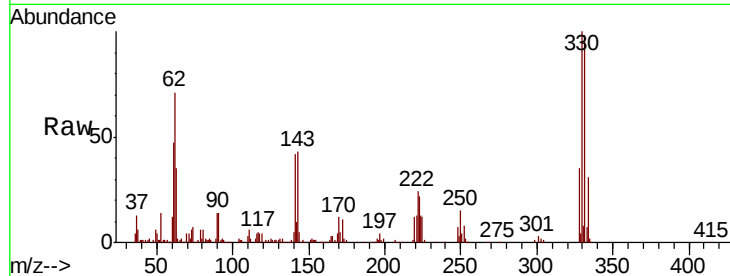




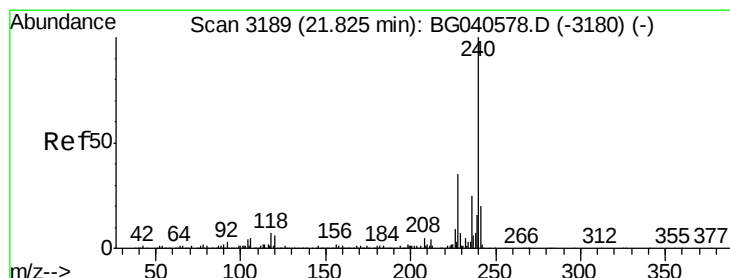
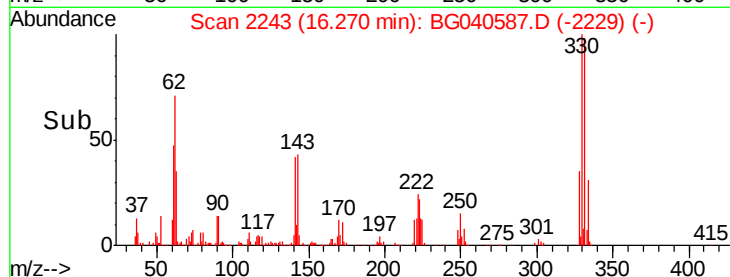
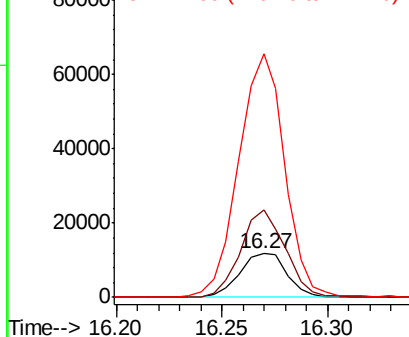
#67
 4-Bromophenyl-phenylether
 Concen: 4.575 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040587.D
 Acq: 24 Apr 2019 10:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18360
 Ion Ratio Lower Upper
 248 100
 250 149.8 79.8 119.6#
 141 414.8 60.8 91.2#

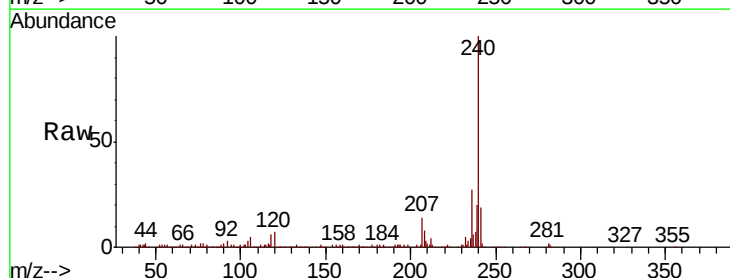


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

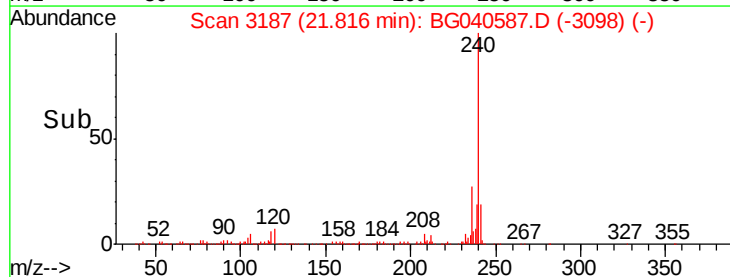
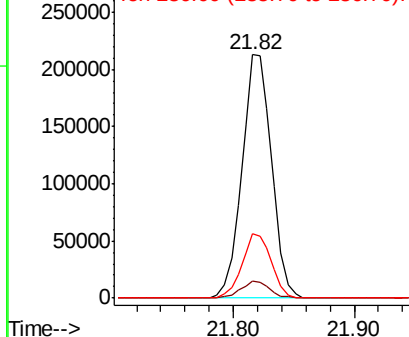


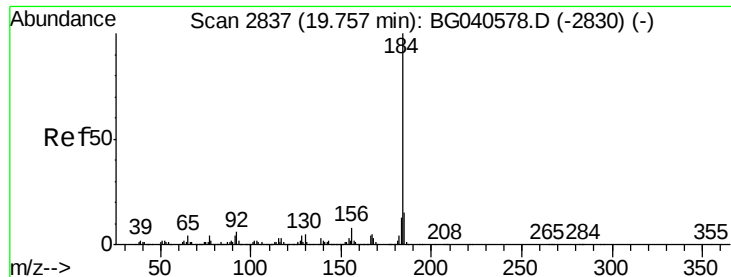
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3187
 Delta R.T. -0.01 min
 Lab File: BG040587.D
 Acq: 24 Apr 2019 10:57

Tgt Ion:240 Resp: 362689
 Ion Ratio Lower Upper
 240 100
 120 7.1 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: 3.436 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

Instrument :

BNA_G

ClientSampleId :

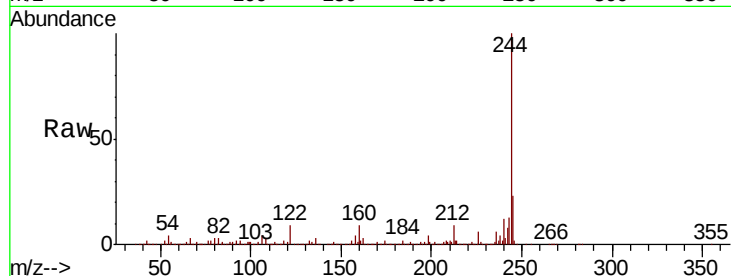
Tot Ion:184 Resp: 34117

Ion Ratio Lower Upper

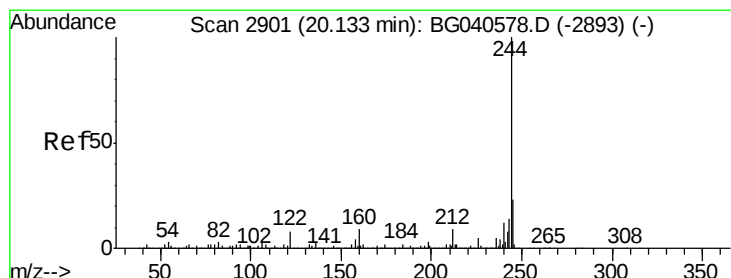
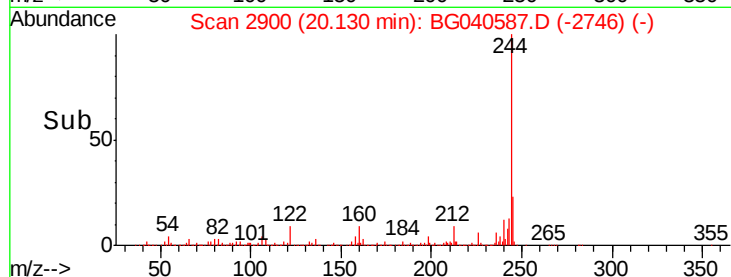
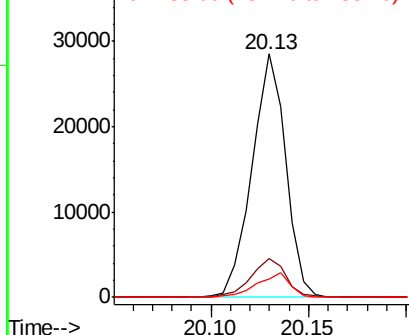
184 100

185 16.1 11.8 17.8

183 7.6 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: 97.510 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040587.D

Acq: 24 Apr 2019 10:57

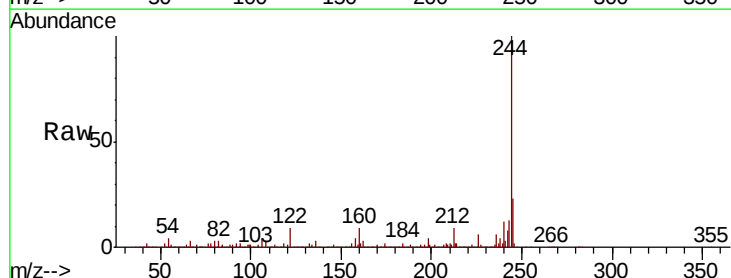
Tgt Ion:244 Resp: 1596340

Ion Ratio Lower Upper

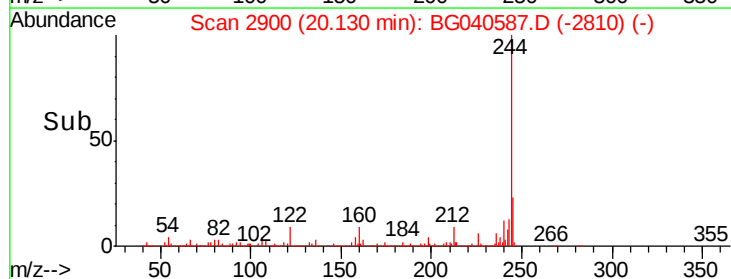
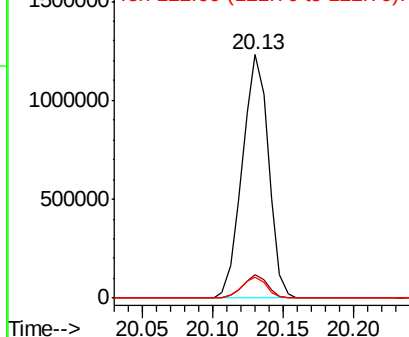
244 100

212 9.4 7.2 10.8

122 8.6 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: 25.19 min Scan# 3762
 Delta R.T. -0.01 min
 Lab File: BG040587.D
 Acq: 24 Apr 2019 10:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.1	16.6	25.0

