

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040637.D
 Acq On : 26 Apr 2019 19:59
 Operator : JU/SJ
 Sample : K2566-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:04:04 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

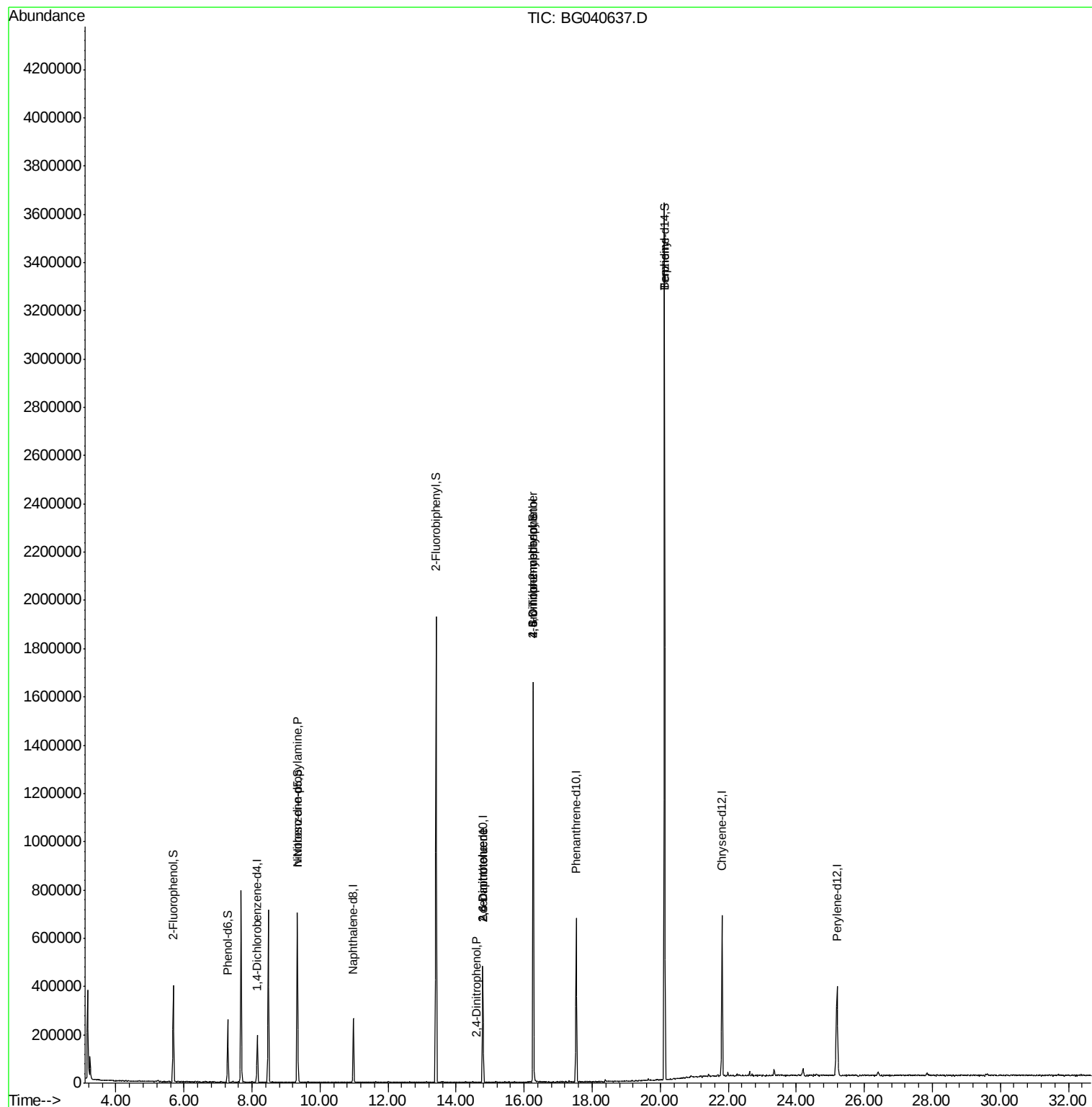
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	47227	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	200022	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	149802	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	389588	20.00	ng	0.00
76) Chrysene-d12	21.82	240	386116	20.00	ng	0.00
87) Perylene-d12	25.20	264	401817	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	136492	50.95	ng	0.00
7) Phenol-d6	7.29	99	124217	30.11	ng	0.00
23) Nitrobenzene-d5	9.33	82	394898	91.22	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	286201	139.00	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	889141	85.72	ng	0.00
79) Terphenyl-d14	20.13	244	1607716	92.25	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	478	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.33	70	58399	15.727 ng	#	6
51) 2,6-Dinitrotoluene	14.79	165	19792	8.091 ng	#	74
54) 2,4-Dinitrophenol	14.60	184	57	7.052 ng	#	13
57) 2,4-Dinitrotoluene	14.79	165	19792	5.954 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.27	198	1131	7.603 ng	#	16
67) 4-Bromophenyl-phenylether	16.27	248	21163	4.360 ng	#	1
77) Benzidine	20.13	184	32048	3.031 ng	#	1
77) Benzidine	20.13	184	32048	3.031 ng	#	93

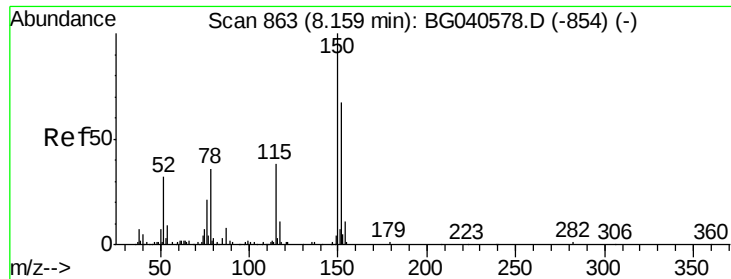
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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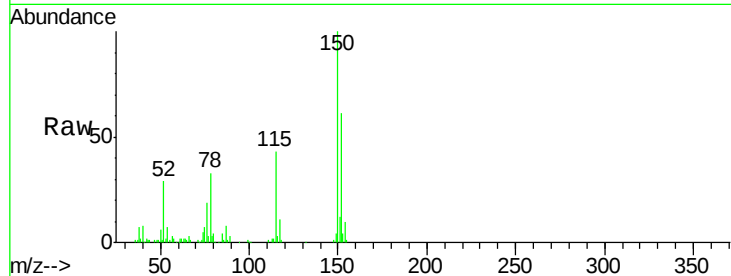


#1

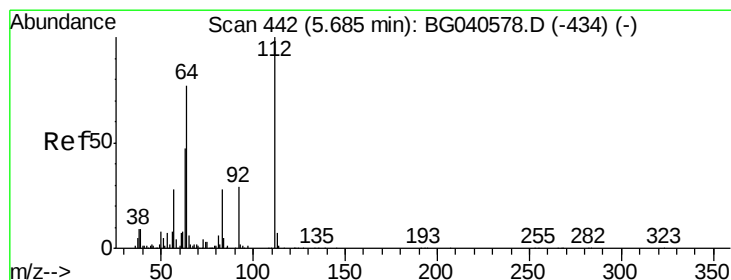
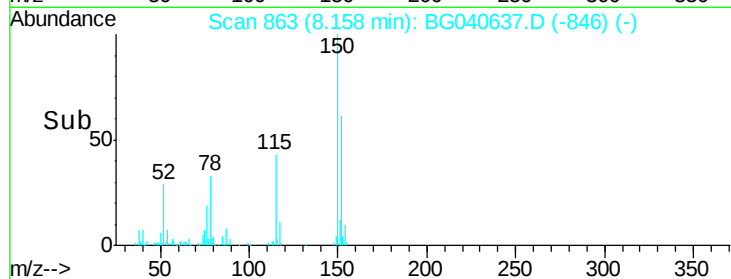
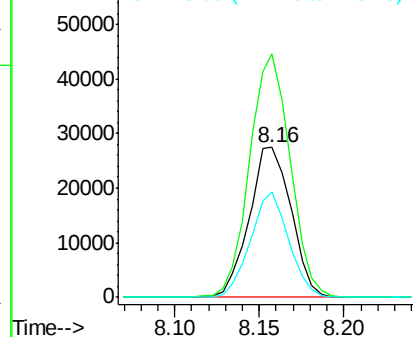
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	120.2	180.2
115	70.4	46.2	69.2



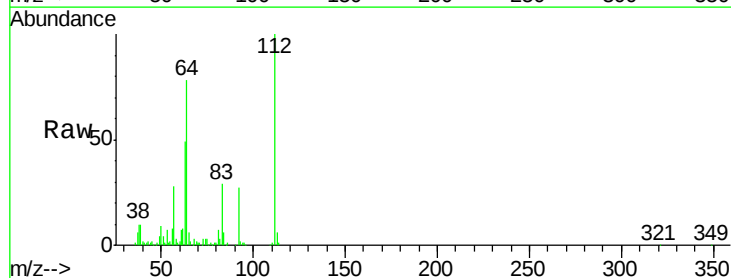
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



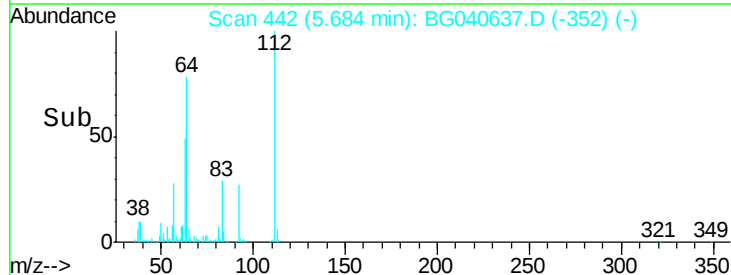
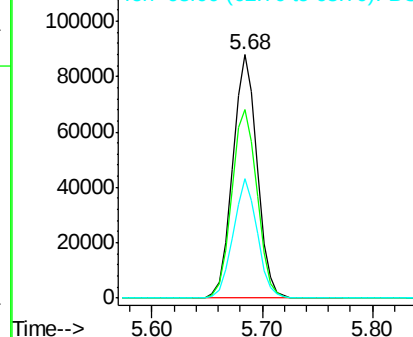
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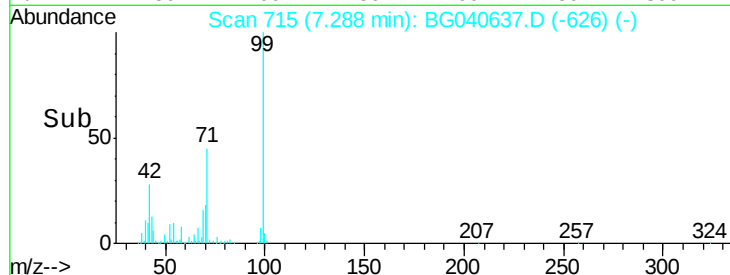
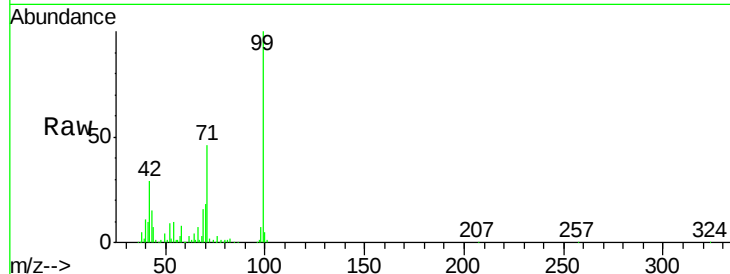
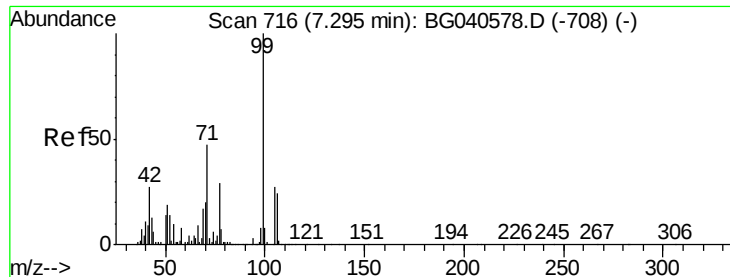
2-Fluorophenol
Concen: 50.946 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.5	61.4	92.0
63	48.9	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: 30.112 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

Instrument :

BNA_G

ClientSampled :

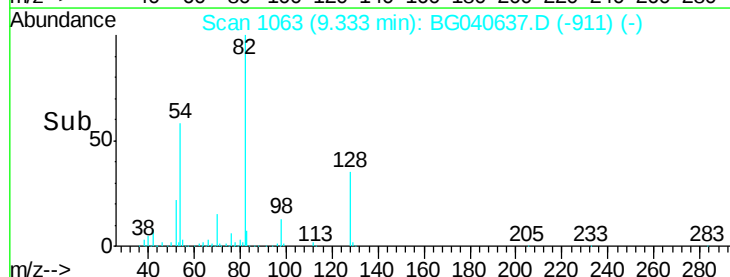
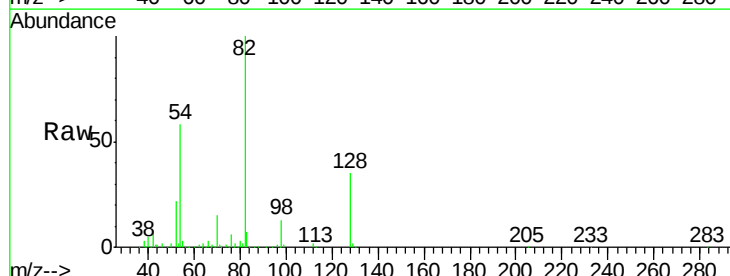
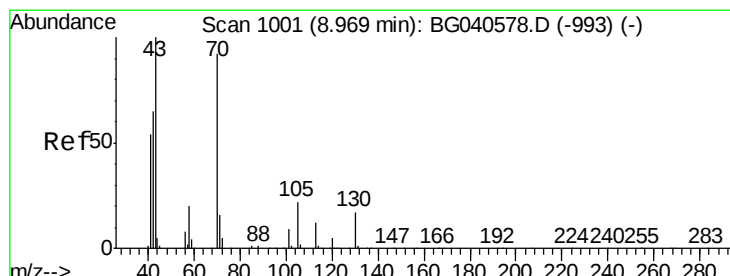
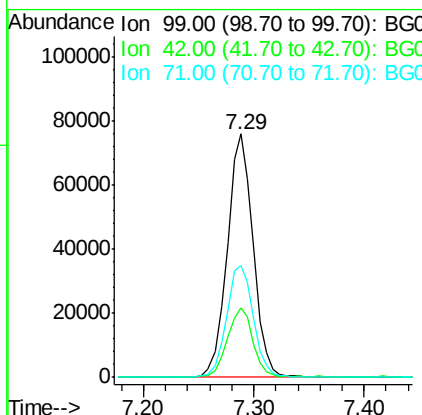
Tot Ion: 99 Resp: 124217

Ion Ratio Lower Upper

99 100

42 28.6 21.8 32.8

71 45.7 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.727 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

Tgt Ion: 70 Resp: 58399

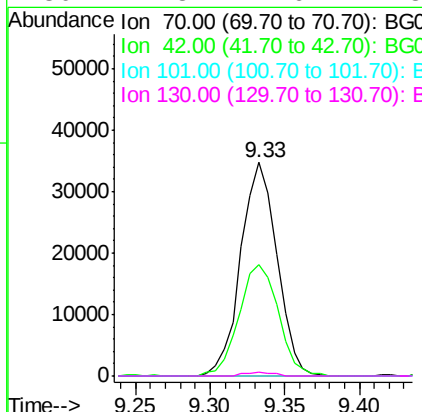
Ion Ratio Lower Upper

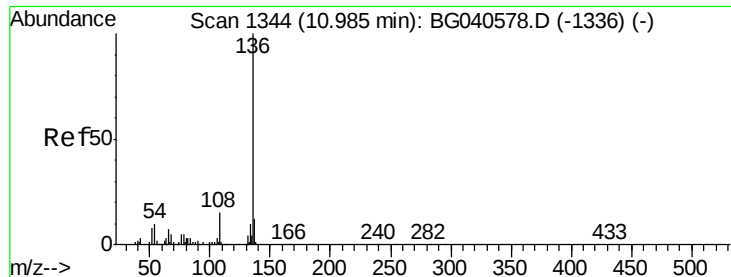
70 100

42 51.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

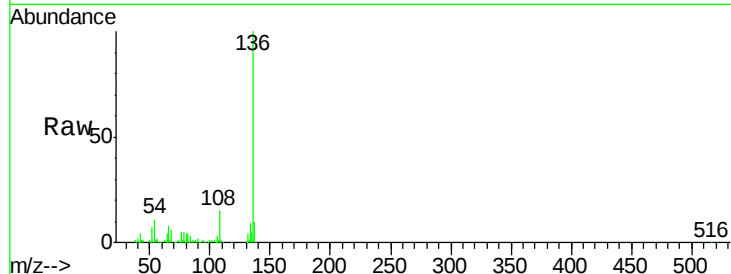




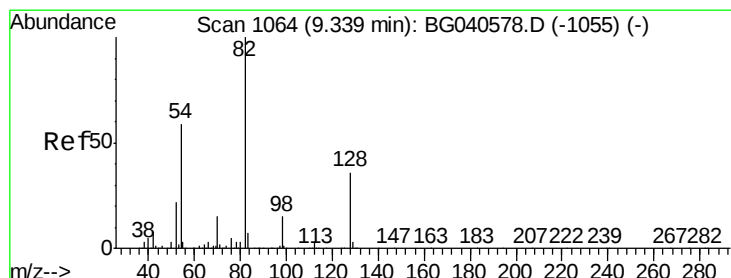
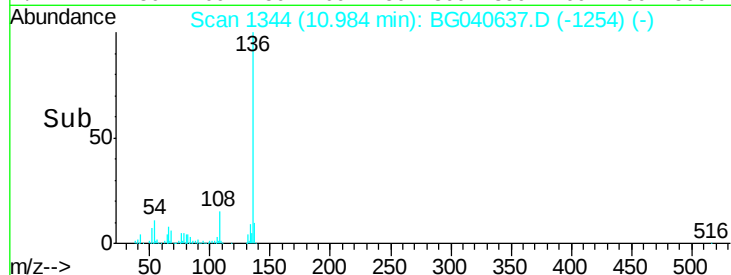
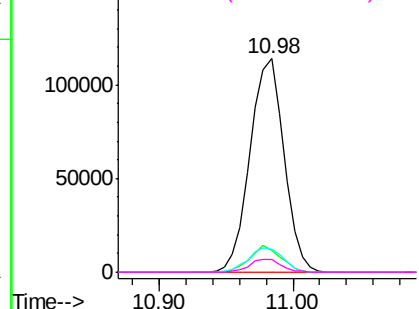
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	200022
Ion	Ratio	Lower Upper
136	100	
137	10.2	9.7 14.5
54	11.3	8.6 12.8
68	6.1	4.8 7.2

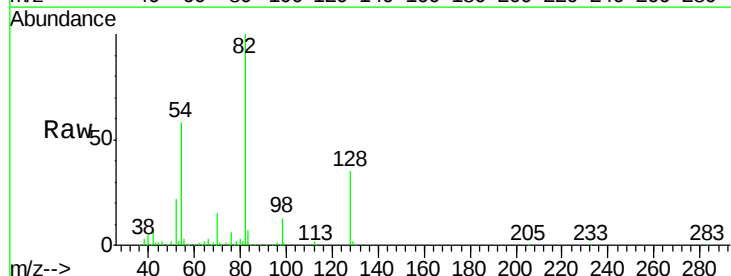


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

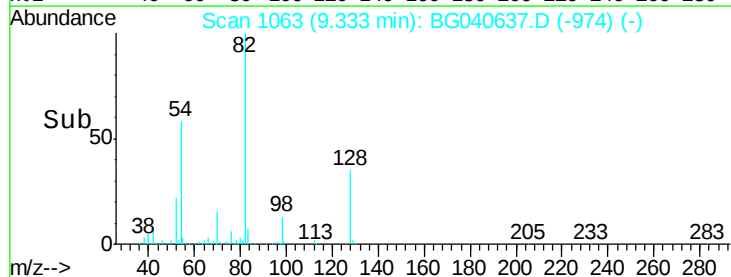
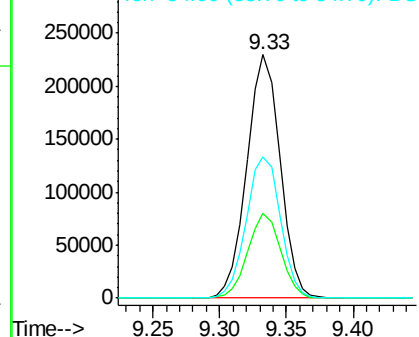


#23
Nitrobenzene-d5
Concen: 91.224 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Tgt Ion: 82	Resp:	394898
Ion	Ratio	Lower Upper
82	100	
128	34.7	28.9 43.3
54	57.8	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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

Instrument :

BNA_G

ClientSampleId :

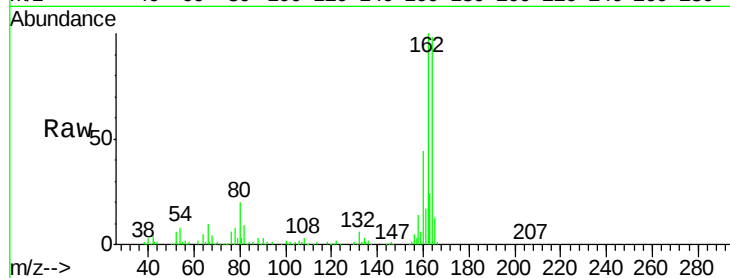
Tot Ion:164 Resp: 149802

Ion Ratio Lower Upper

164 100

162 102.2 81.9 122.9

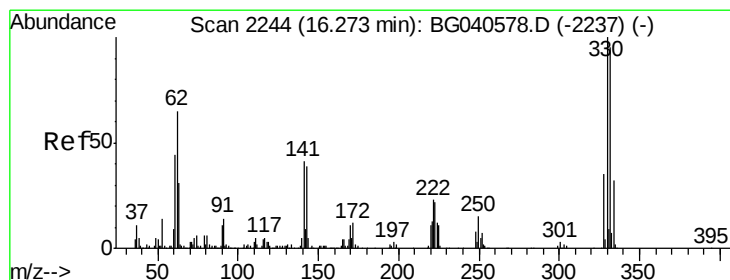
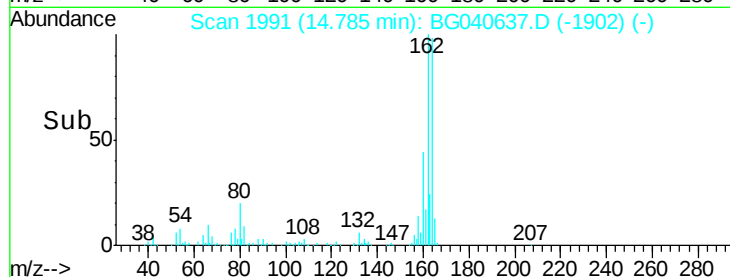
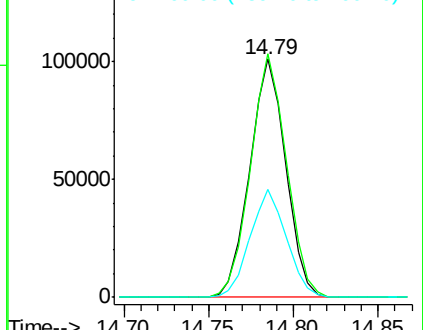
160 45.4 35.4 53.2



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: 138.996 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

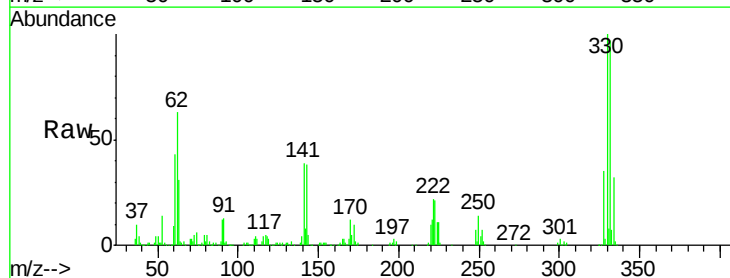
Tgt Ion:330 Resp: 286201

Ion Ratio Lower Upper

330 100

332 94.4 75.9 113.9

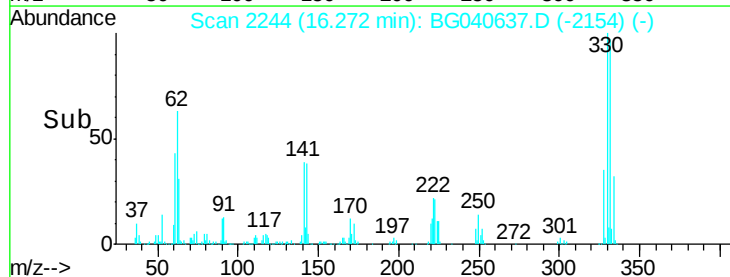
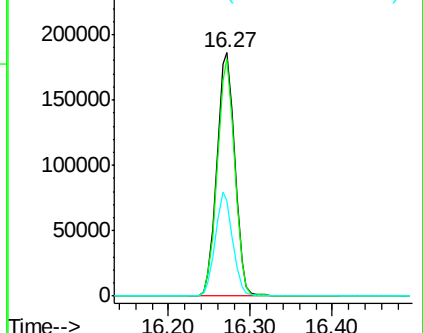
141 41.0 32.4 48.6

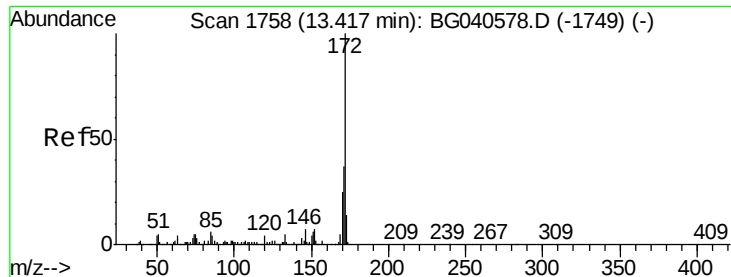


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

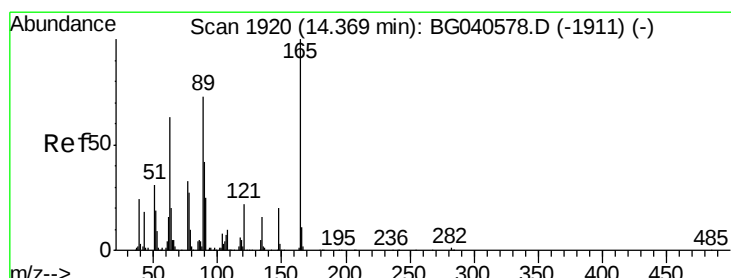
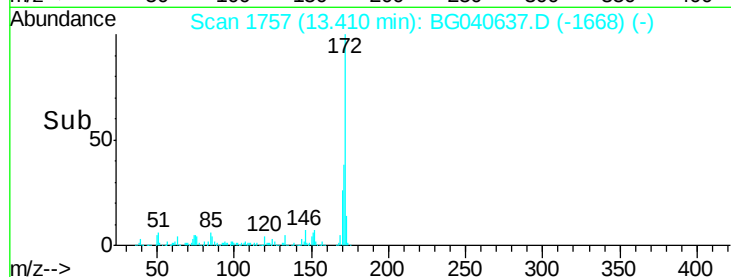
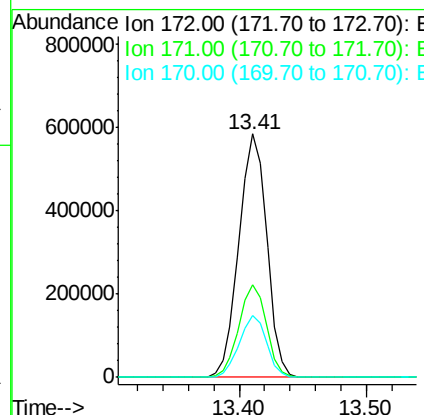
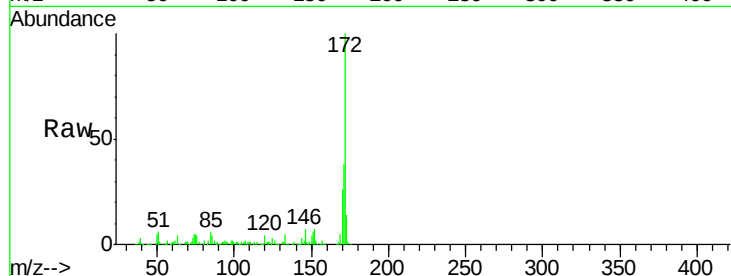




#45
2-Fluorobiphenyl
Concen: 85.720 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

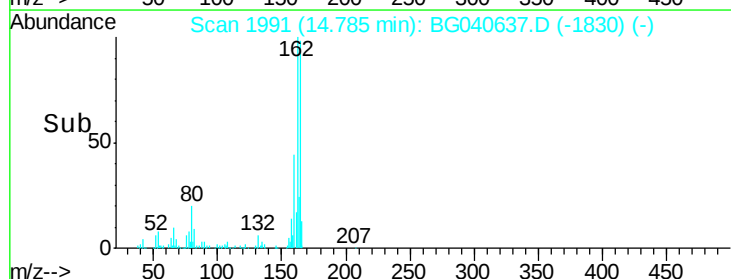
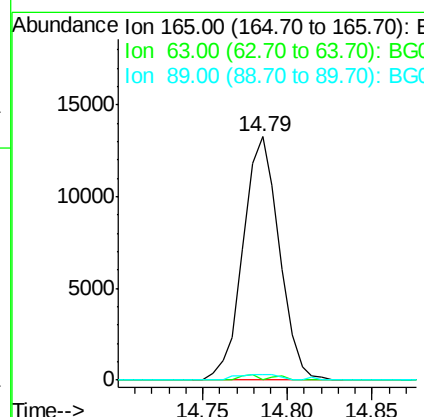
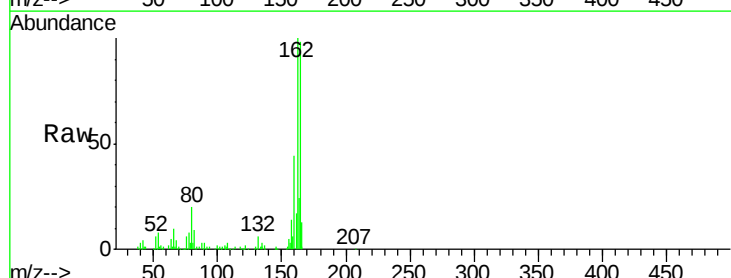
Instrument :
BNA_G
ClientSampleId :

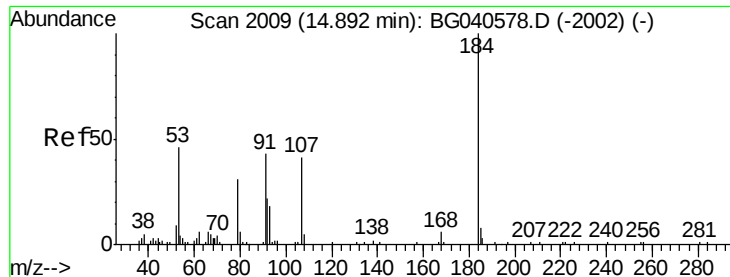
Tot Ion	Ion	Ratio	Lower	Upper
172	172	100		
171	171	37.8	29.4	44.2
170	170	25.6	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.091 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Tgt Ion	Ion	Ratio	Lower	Upper
165	165	100		
63	63	0.0	61.0	91.4#
89	89	2.4	58.6	87.8#

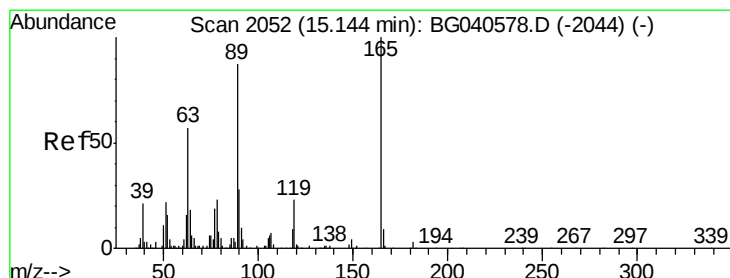
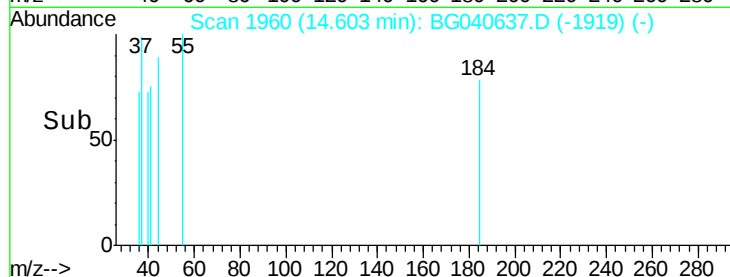
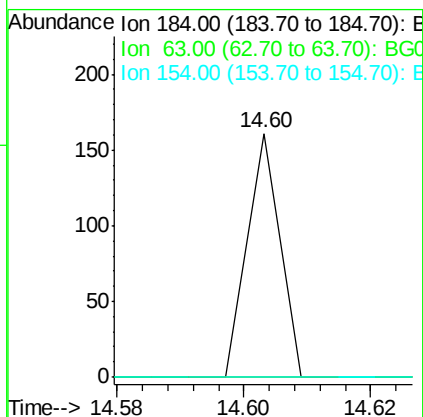
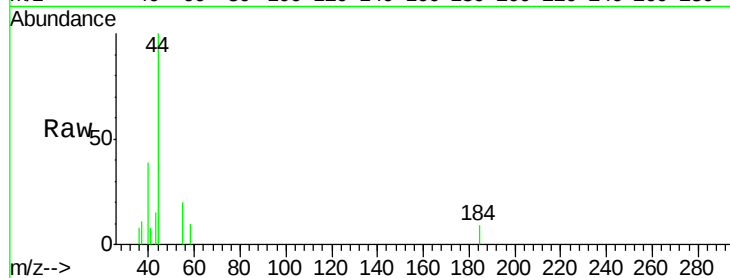




#54
2,4-Dinitrophenol
Concen: 7.052 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.29 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

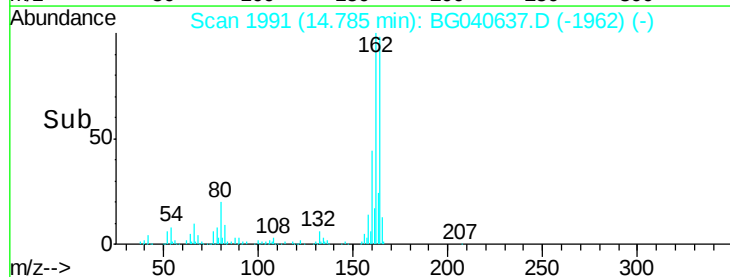
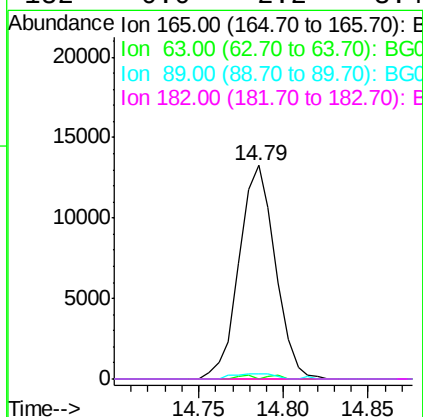
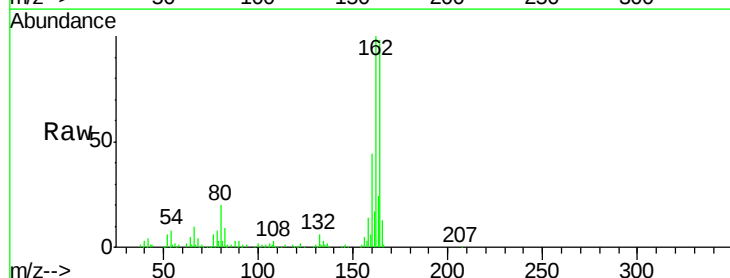
Instrument :
BNA_G
ClientSampleId :

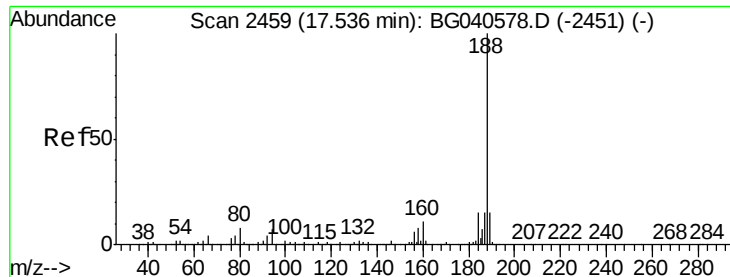
Tot Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.954 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Tgt Ion:165 Resp: 19792
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 2.4 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

Instrument :

BNA_G

ClientSampleId :

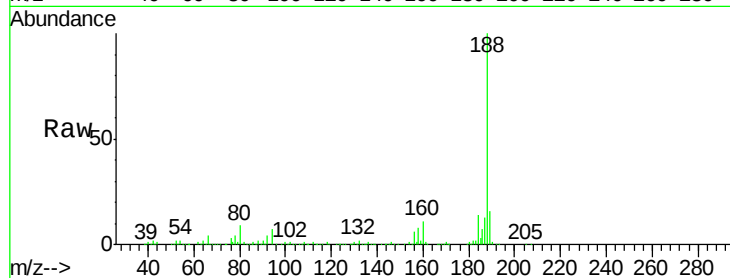
Tot Ion:188 Resp: 389588

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

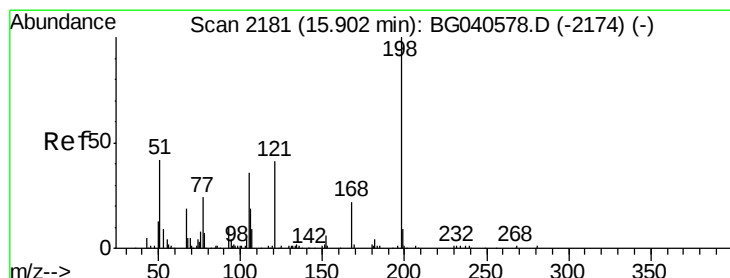
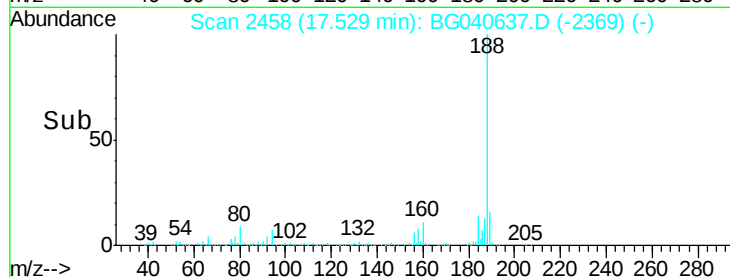
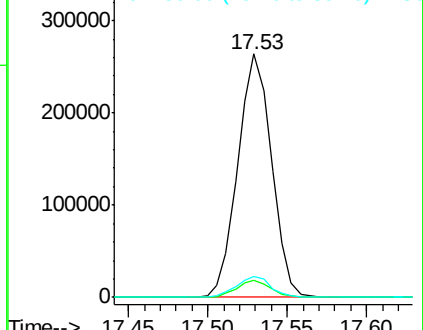
80 8.6 6.4 9.6



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: 7.603 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

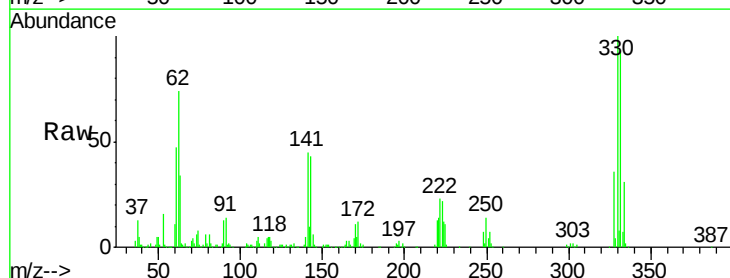
Tgt Ion:198 Resp: 1131

Ion Ratio Lower Upper

198 100

51 178.3 35.9 75.9#

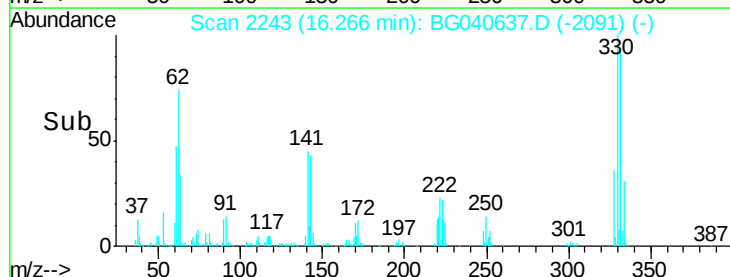
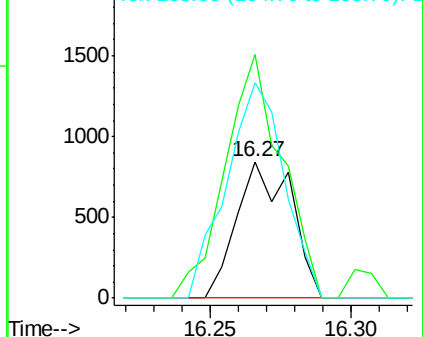
105 157.9 21.2 61.2#

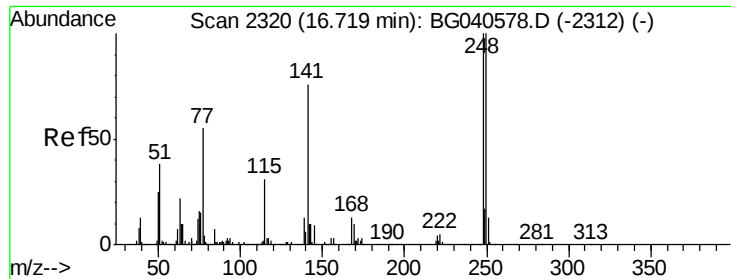


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

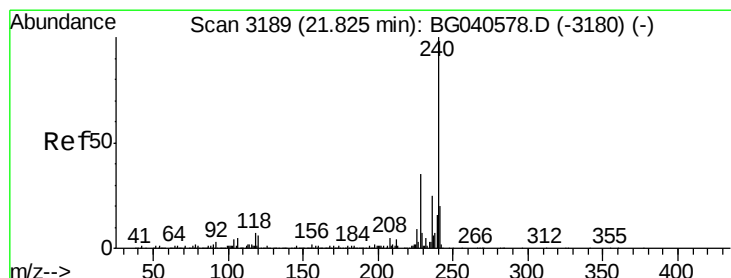
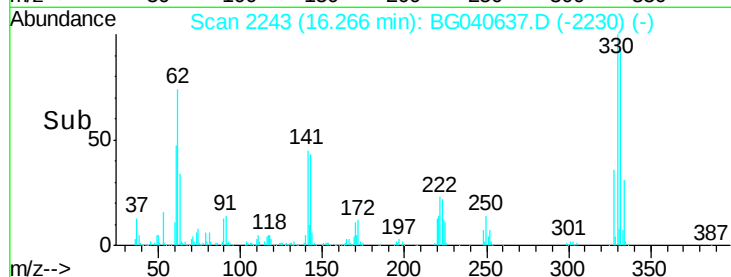
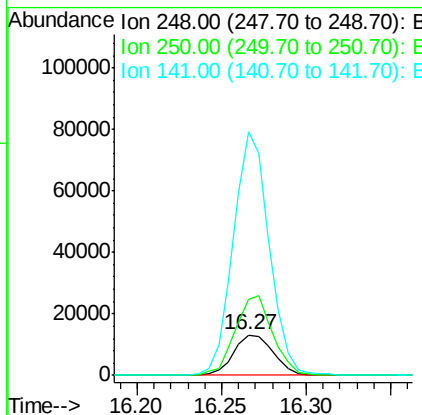
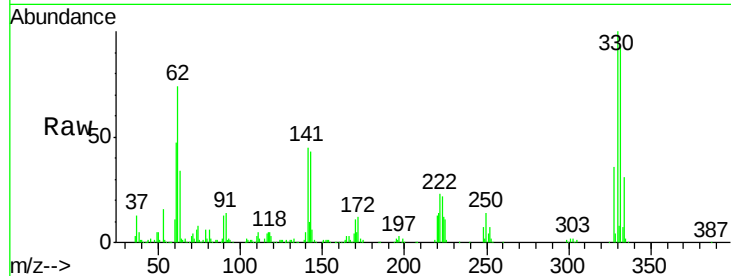




#67
 4-Bromophenyl-phenylether
 Concen: 4.360 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040637.D
 Acq: 26 Apr 2019 19:59

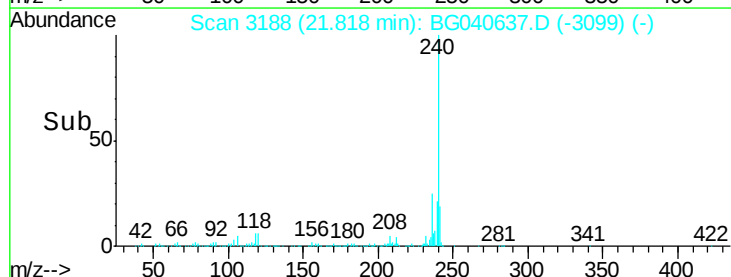
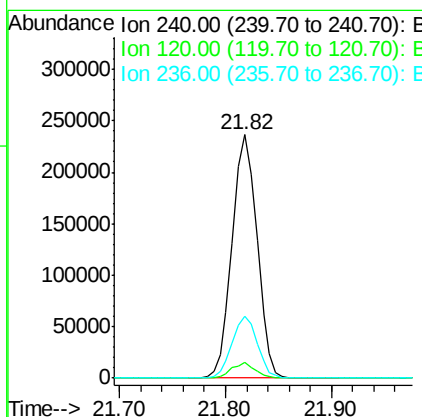
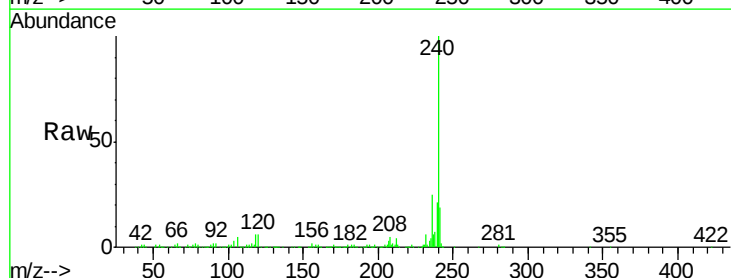
Instrument :
 BNA_G
 ClientSampled :

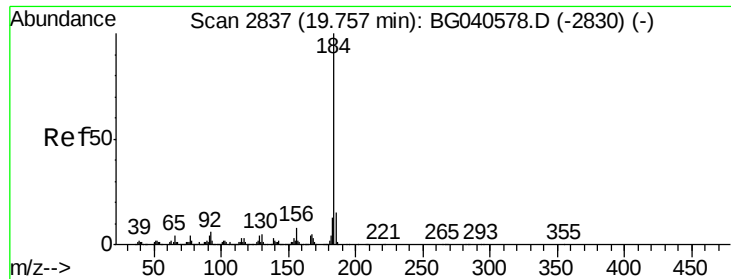
Tot Ion:248 Resp: 21163
 Ion Ratio Lower Upper
 248 100
 250 188.8 79.8 119.6#
 141 607.1 60.8 91.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG040637.D
 Acq: 26 Apr 2019 19:59

Tgt Ion:240 Resp: 386116
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.0 7.6
 236 25.3 20.3 30.5





#77

Benzidine

Concen: 3.031 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

Instrument :

BNA_G

ClientSampleId :

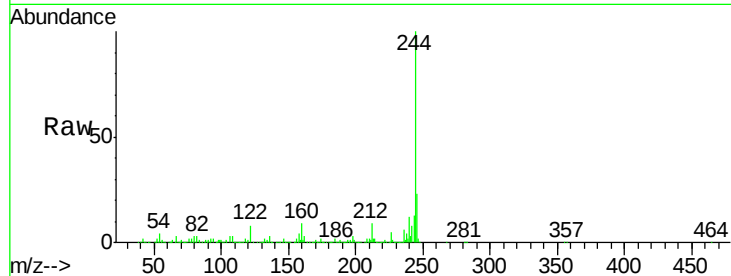
Tot Ion:184 Resp: 32048

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

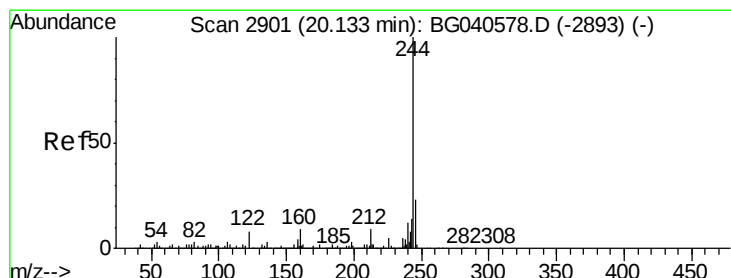
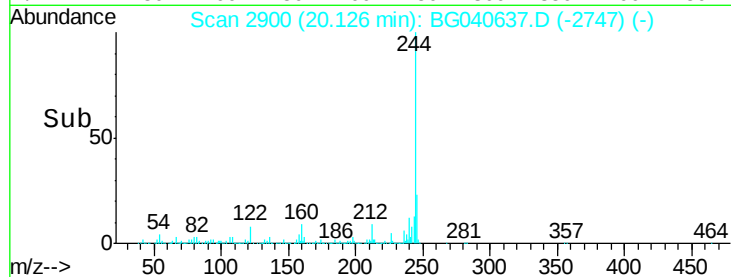
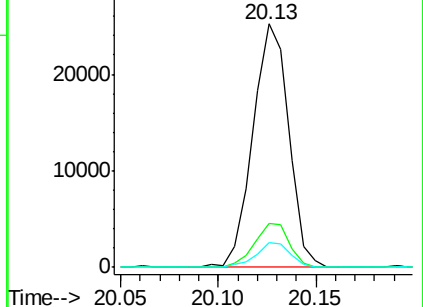
183 10.1 10.2 15.2#



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: 92.246 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040637.D

Acq: 26 Apr 2019 19:59

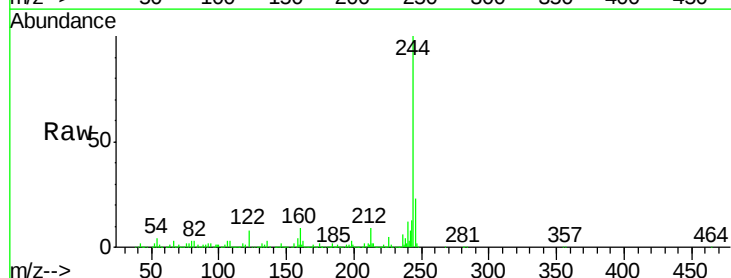
Tgt Ion:244 Resp: 1607716

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

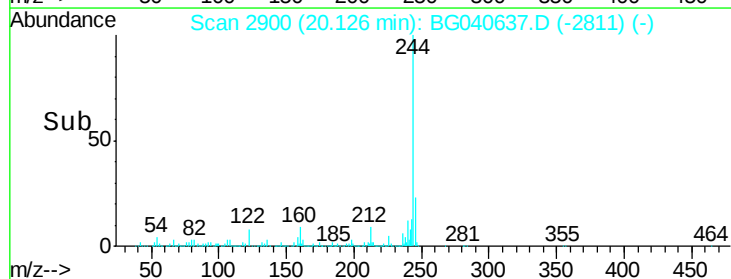
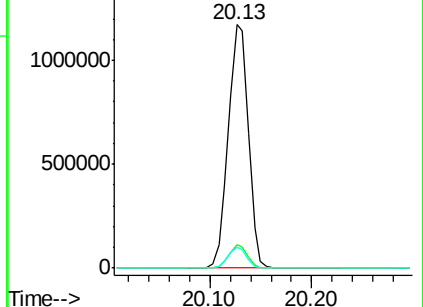
122 8.5 6.6 10.0



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

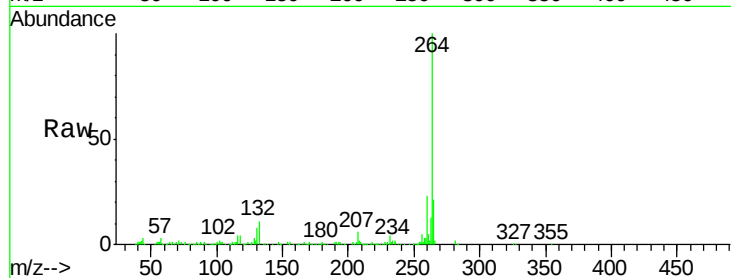




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.01 min
Lab File: BG040637.D
Acq: 26 Apr 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.5	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

