

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG036000.D
 Acq On : 31 Jul 2018 7:53
 Operator : JU/SJ
 Sample : PB111594BL
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 08:31:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 01:42:28 2018
 Response via : Initial Calibration

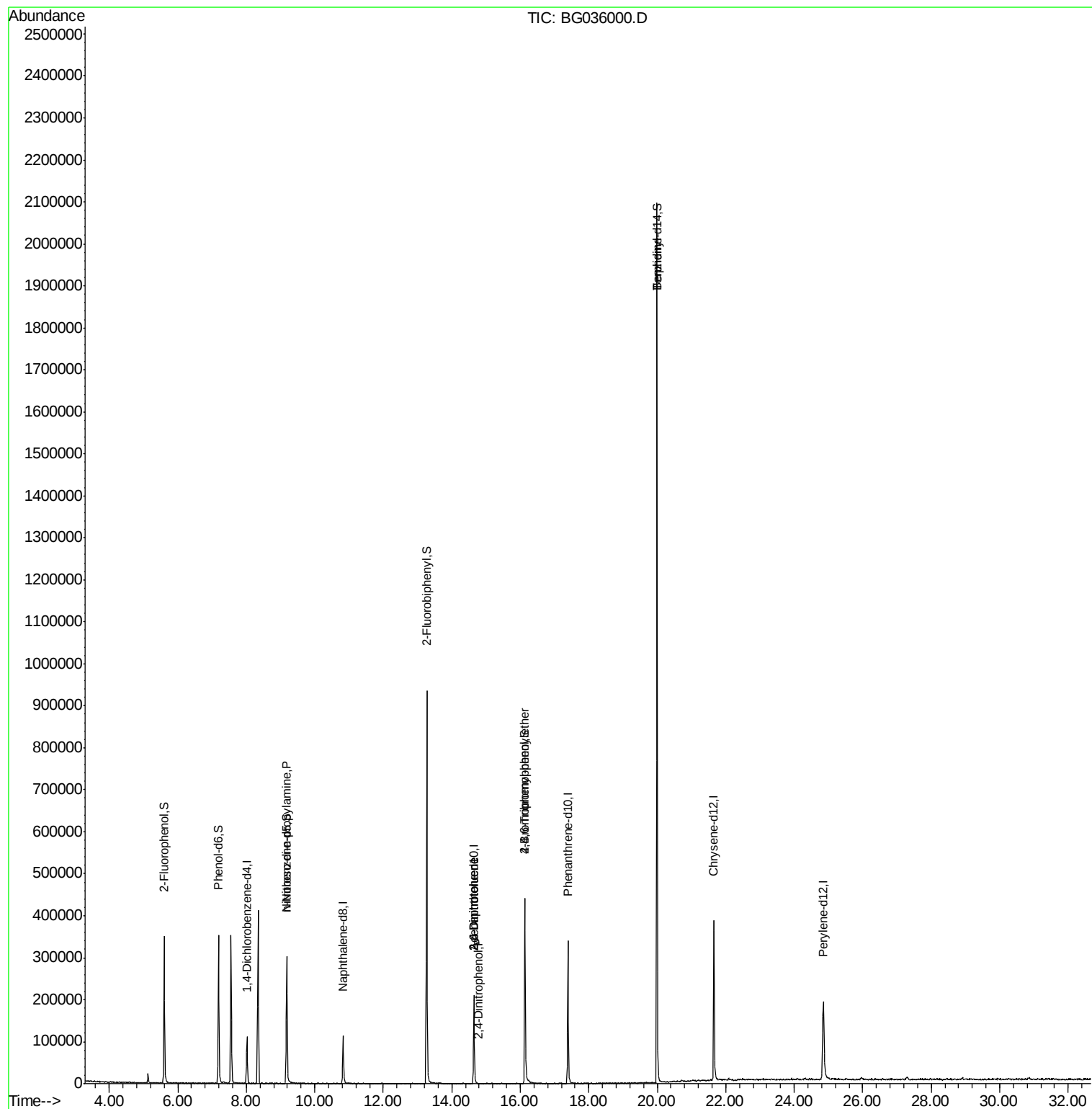
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	30329	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	107661	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	85307	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	251460	20.00	ng	0.00
75) Chrysene-d12	21.65	240	277657	20.00	ng	0.00
86) Perylene-d12	24.85	264	242900	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	157269	86.09	ng	0.00
7) Phenol-d6	7.19	99	224607	82.41	ng	0.00
23) Nitrobenzene-d5	9.18	82	215624	83.67	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	97228	86.47	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	553559	86.94	ng	0.00
78) Terphenyl-d14	20.00	244	1024575	81.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	30573	13.321	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	11673	7.669	ng	# 18
53) 2,4-Dinitrophenol	14.79	184	75	6.670	ng	# 1
56) 2,4-Dinitrotoluene	14.64	165	11673	5.346	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	8520	2.920	ng	# 1
76) Benzidine	20.00	184	17372	2.380	ng	# 93

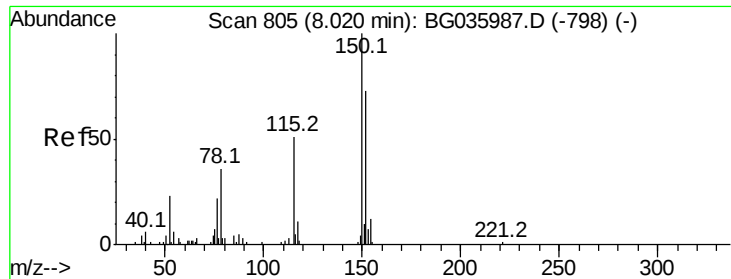
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 01:42:28 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Instrument :

BNA_G

ClientSampleId :

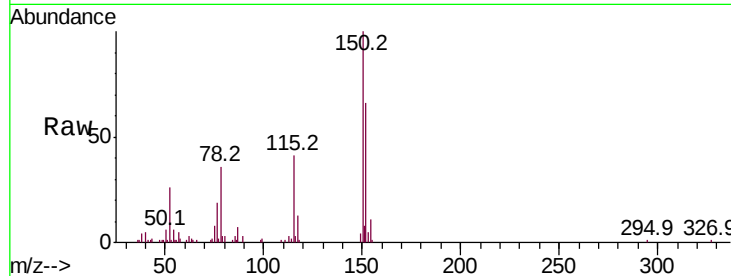
Tot Ion:152 Resp: 30329

Ion Ratio Lower Upper

152 100

150 150.8 126.6 189.8

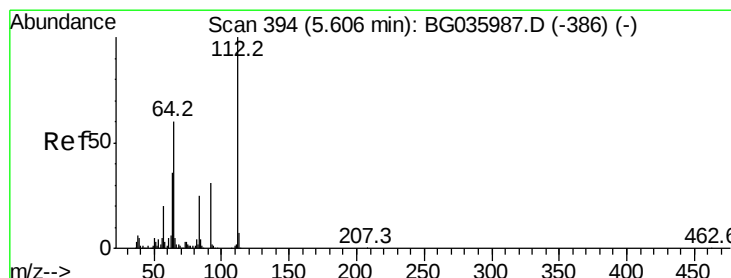
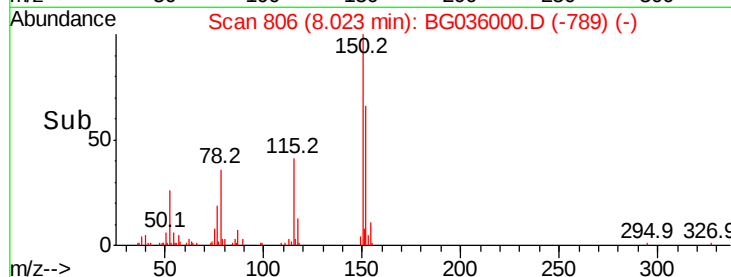
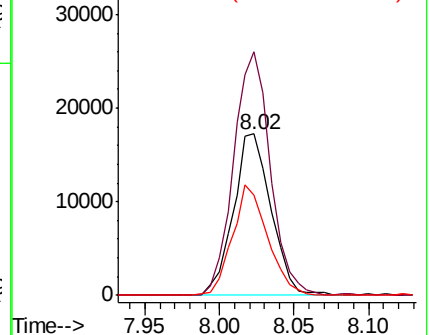
115 62.2 53.0 79.4



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: 86.090 ng

RT: 5.60 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

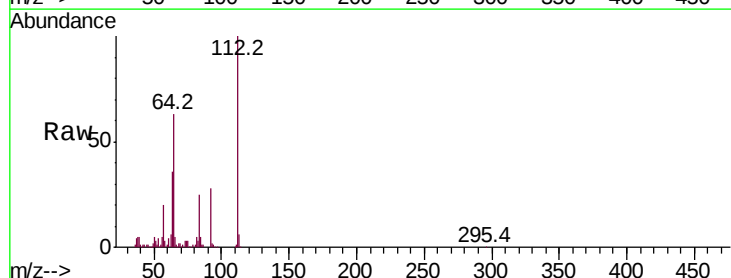
Tgt Ion:112 Resp: 157269

Ion Ratio Lower Upper

112 100

64 62.6 56.3 84.5

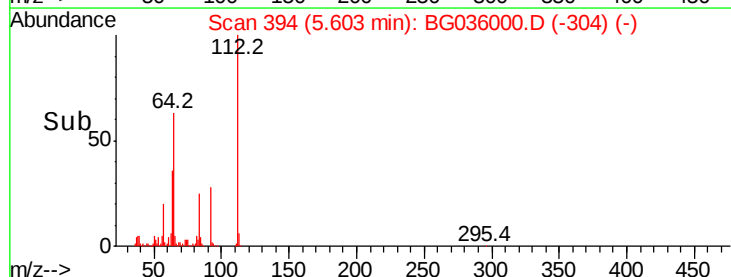
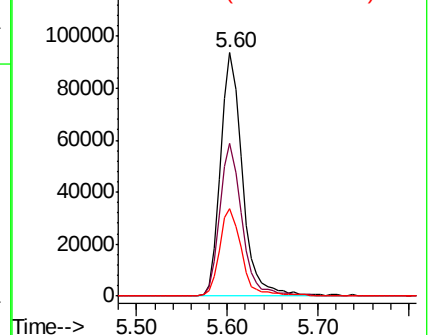
63 35.9 30.1 45.1

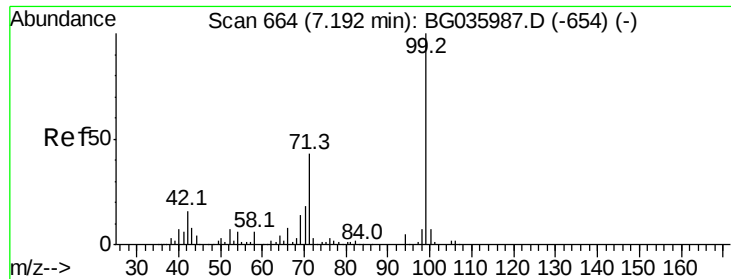


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 82.408 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Instrument :

BNA_G

ClientSampleId :

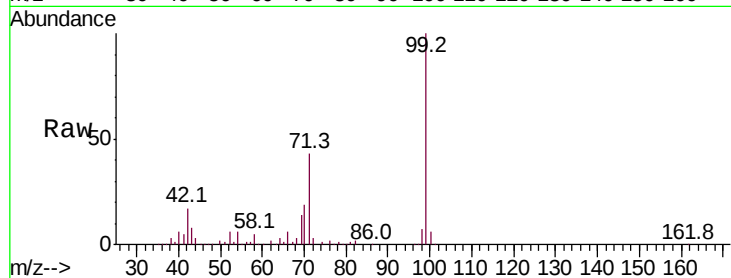
Tot Ion: 99 Resp: 224607

Ion Ratio Lower Upper

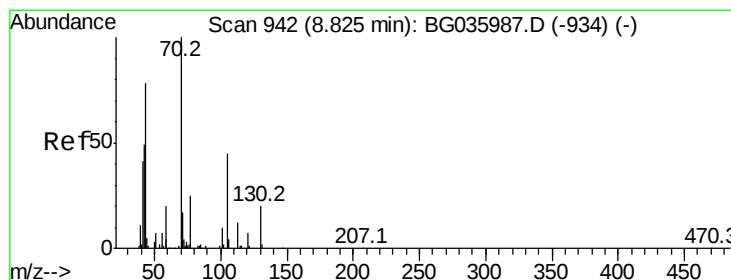
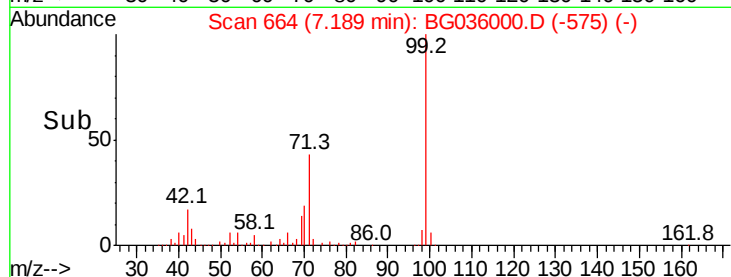
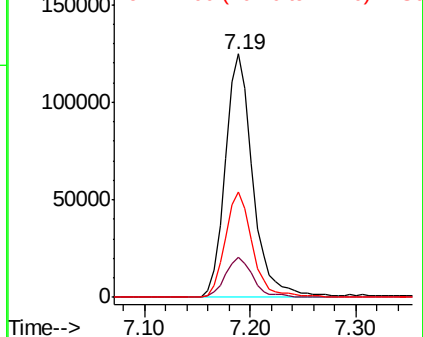
99 100

42 16.6 14.1 21.1

71 43.1 26.1 39.1#



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: 13.321 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Tgt Ion: 70 Resp: 30573

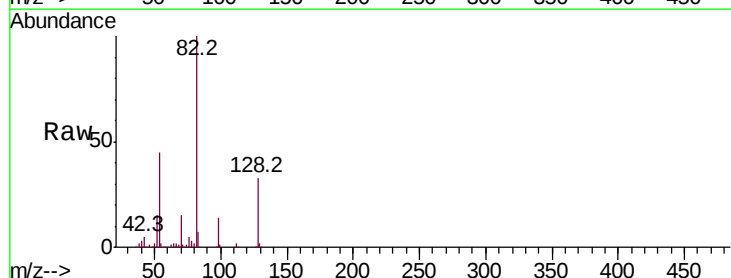
Ion Ratio Lower Upper

70 100

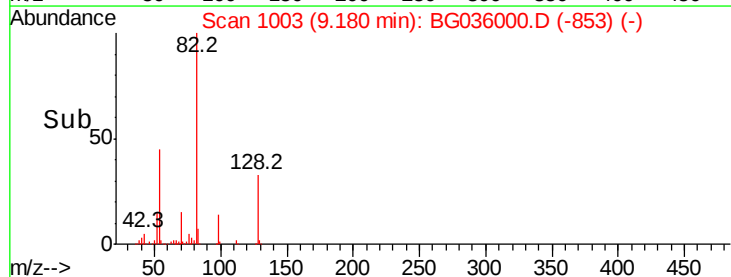
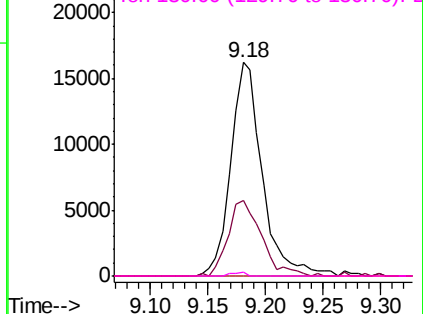
42 35.4 49.1 73.7#

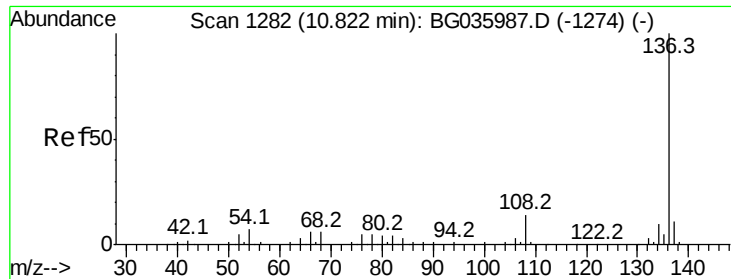
101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



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

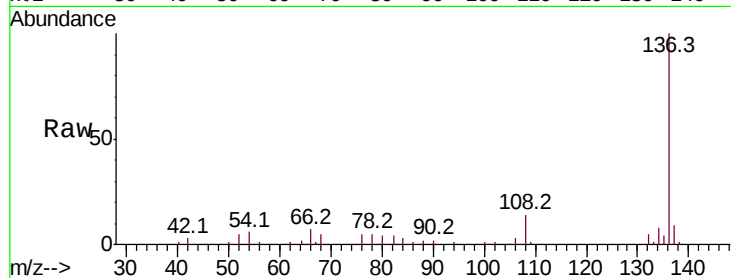




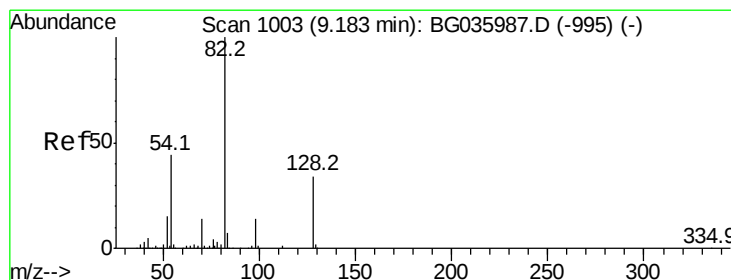
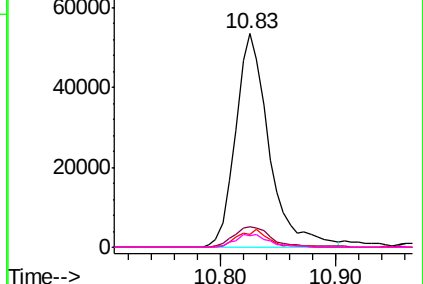
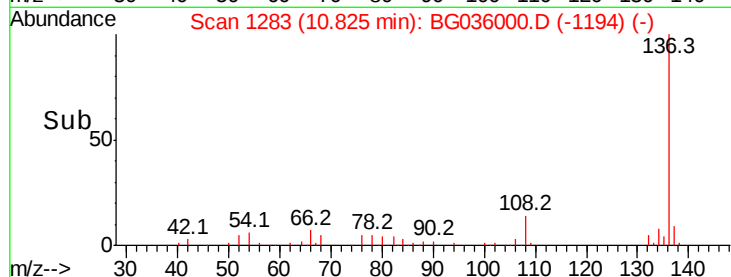
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036000.D
Acq: 31 Jul 2018 7:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	107661
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	6.2	10.3	15.5
68	5.4	4.5	6.7

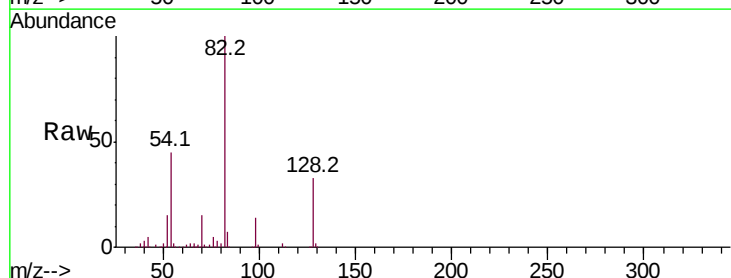


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

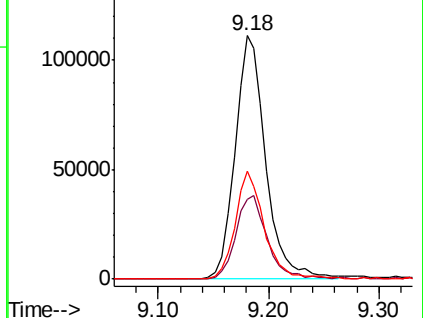
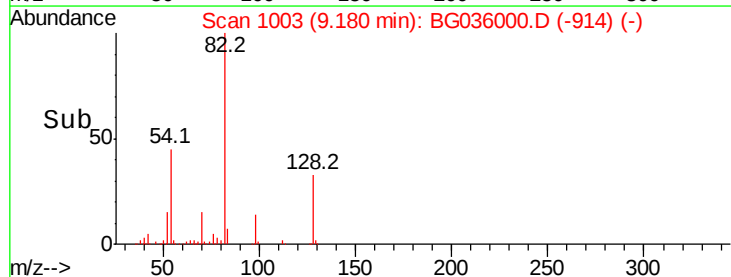


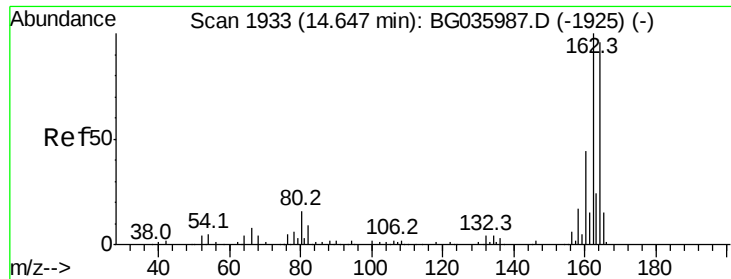
#23
Nitrobenzene-d5
Concen: 83.667 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036000.D
Acq: 31 Jul 2018 7:53

Tgt Ion:	82	Resp:	215624
Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.7	44.5
54	44.6	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

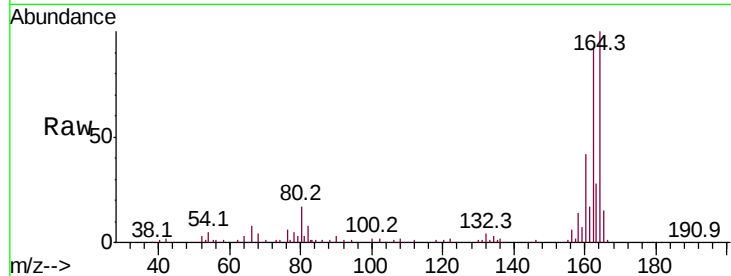
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 85307

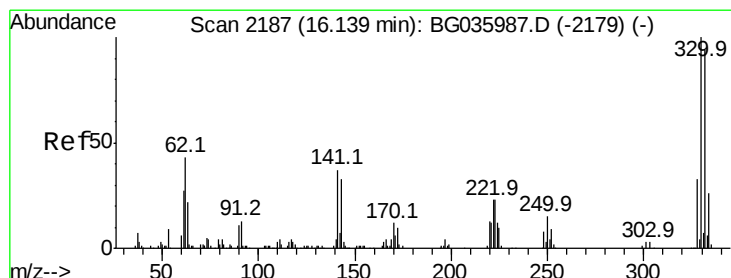
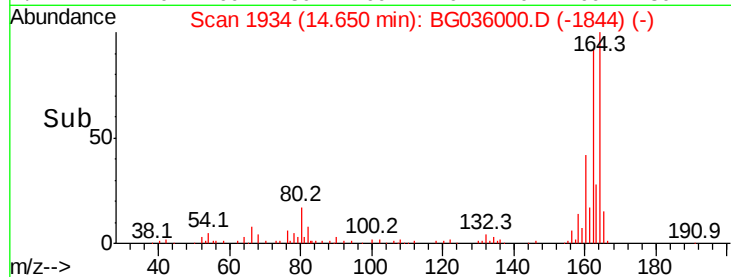
Ion	Ratio	Lower	Upper
164	100		
162	91.8	78.8	118.2
160	41.9	35.4	53.0



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



#41

2,4,6-Tribromophenol

Concen: 86.471 ng

RT: 16.14 min Scan# 2187

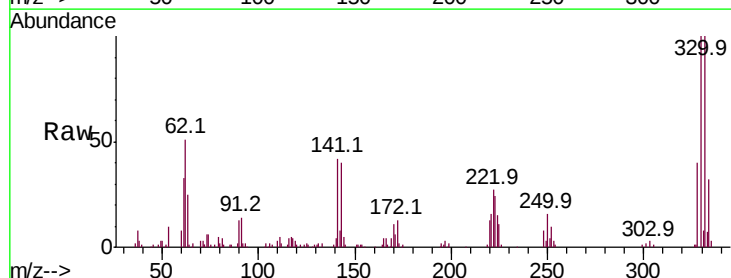
Delta R.T. -0.01 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Tgt Ion:330 Resp: 97228

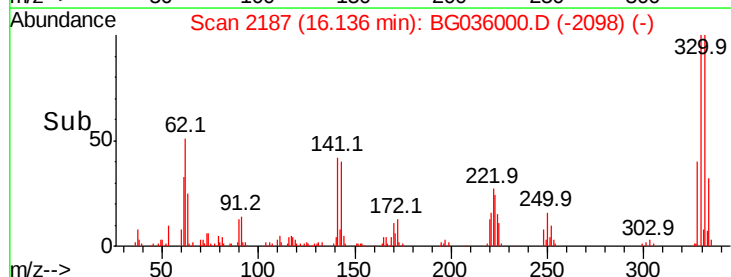
Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.0	115.6
141	39.3	25.2	37.8

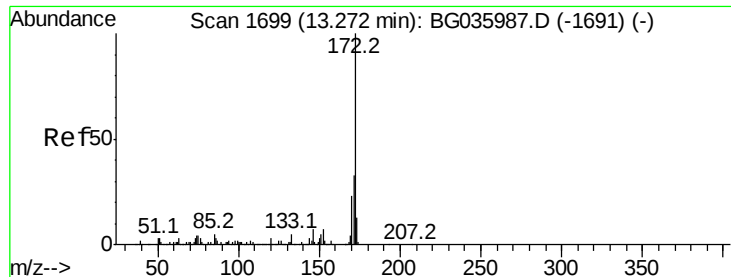


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

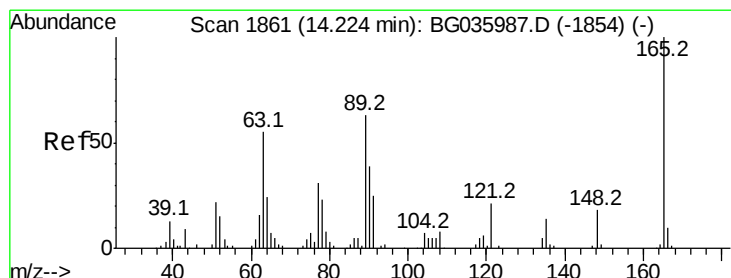
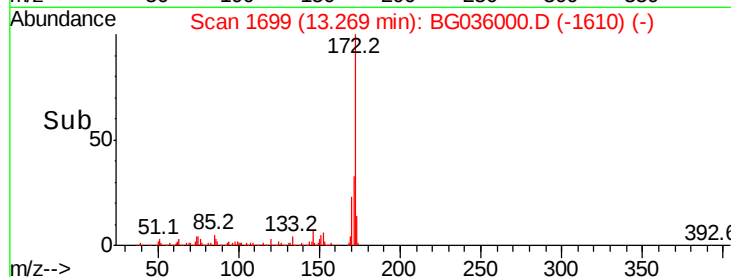
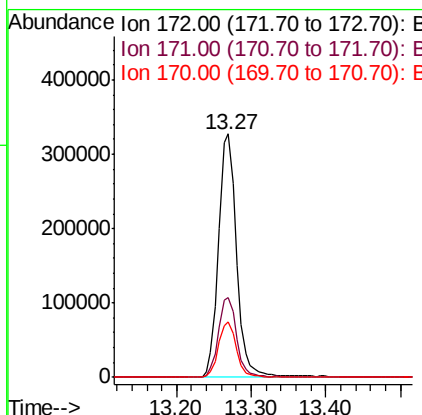
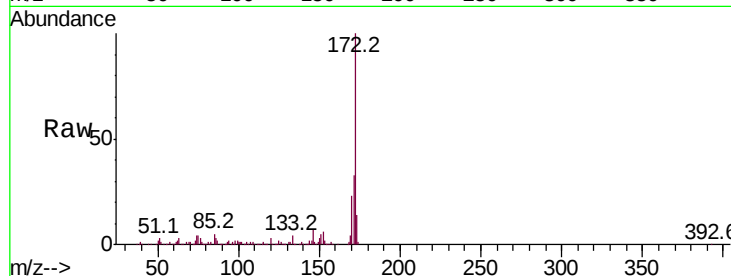




#44
2-Fluorobiphenyl
Concen: 86.936 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG036000.D
Acq: 31 Jul 2018 7:53

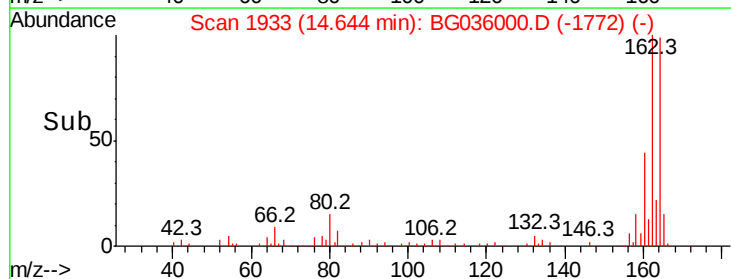
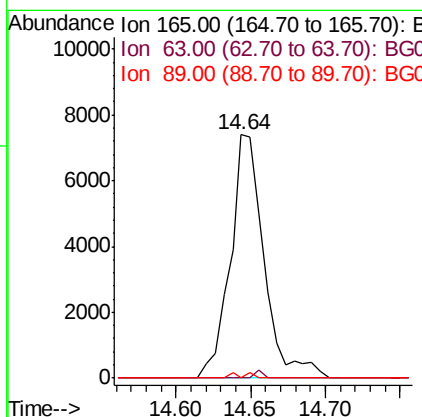
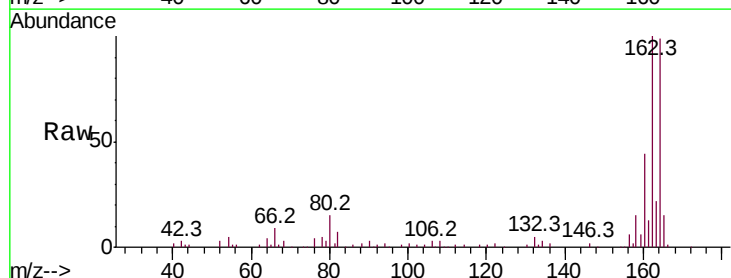
Instrument :
BNA_G
ClientSampleId :

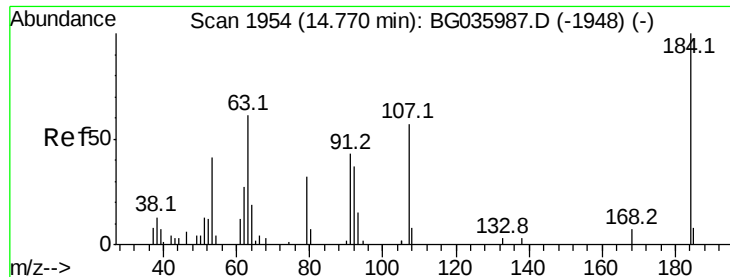
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.9	30.0	45.0
170	22.8	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.669 ng
RT: 14.64 min Scan# 1933
Delta R.T. 0.42 min
Lab File: BG036000.D
Acq: 31 Jul 2018 7:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





#53

2,4-Dinitrophenol

Concen: 6.670 ng

RT: 14.79 min Scan# 1958

Delta R.T. 0.03 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Instrument :

BNA_G

ClientSampleId :

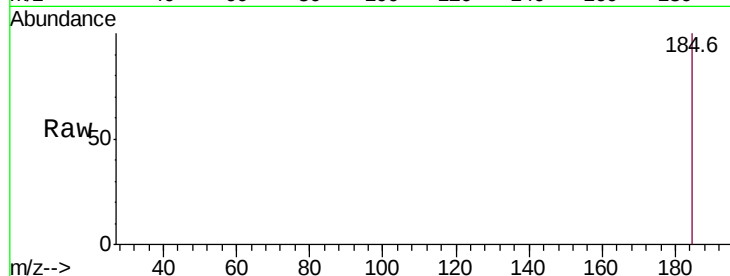
Tot Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

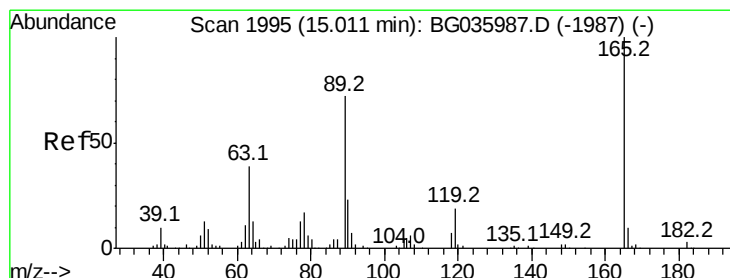
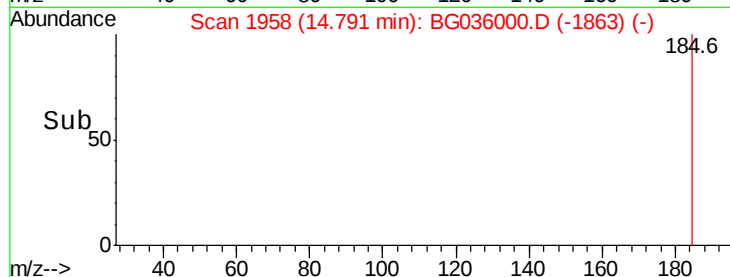
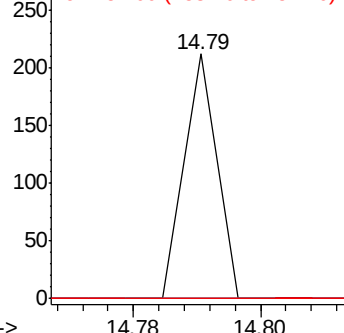
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.346 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Tgt Ion:165 Resp: 11673

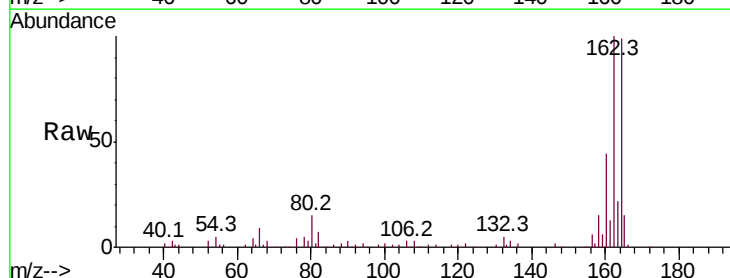
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

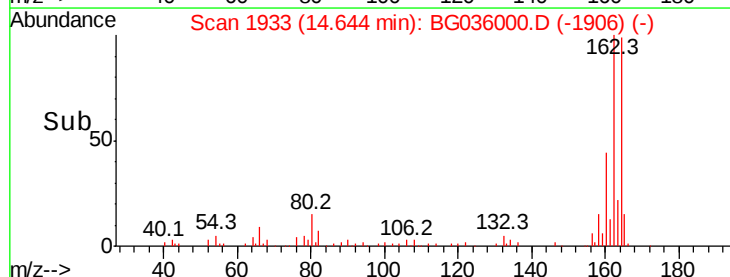
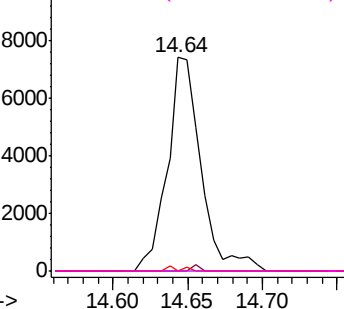


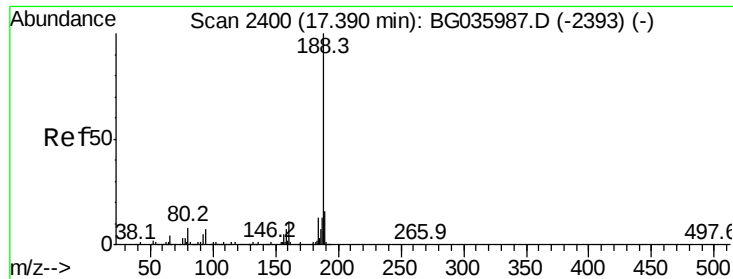
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Instrument :

BNA_G

ClientSampleId :

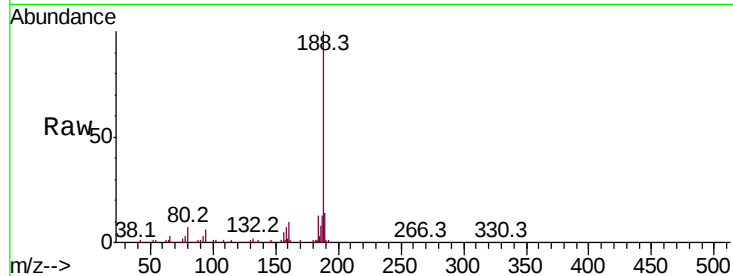
Tot Ion:188 Resp: 251460

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

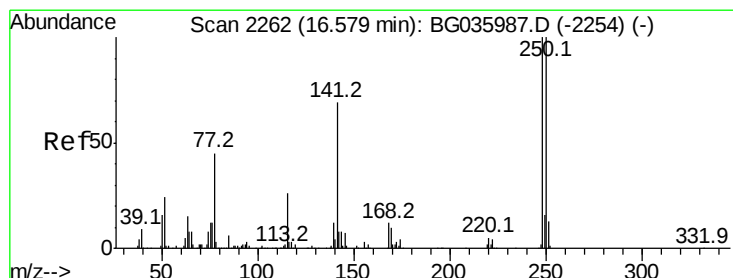
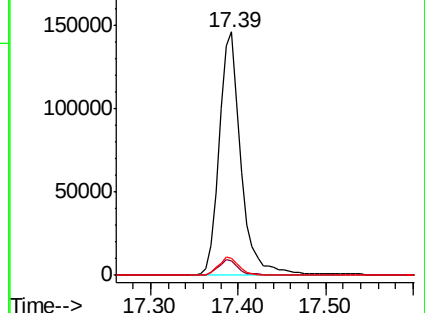
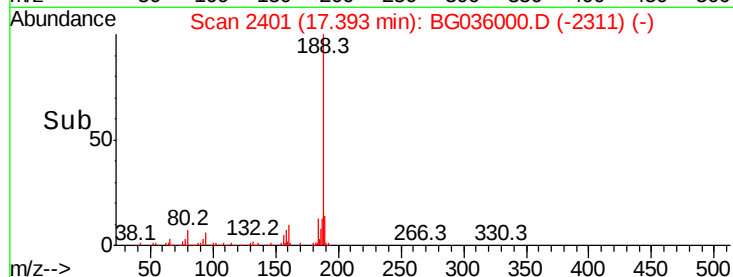
80 7.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 2.920 ng

RT: 16.13 min Scan# 2186

Delta R.T. -0.45 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

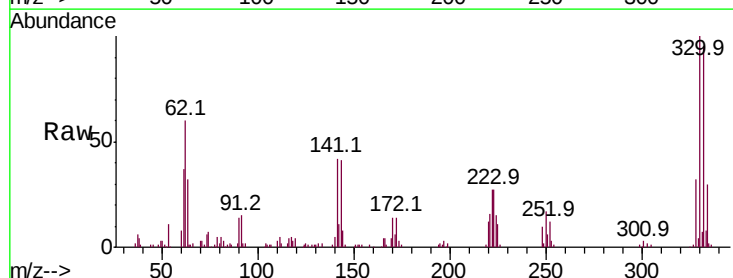
Tgt Ion:248 Resp: 8520

Ion Ratio Lower Upper

248 100

250 168.7 77.1 115.7#

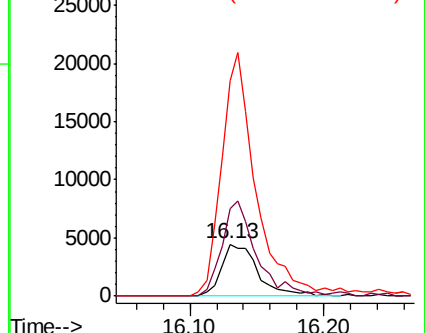
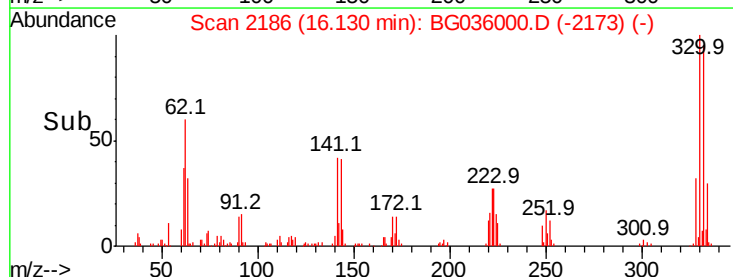
141 413.8 50.8 76.2#

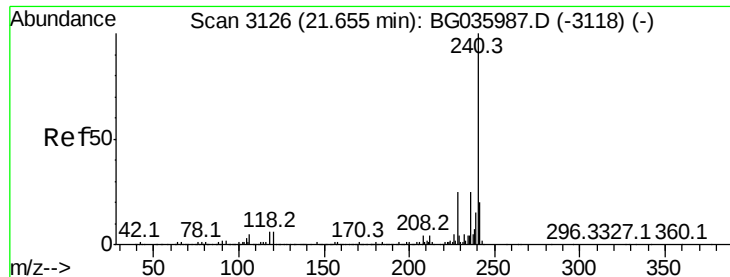


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

Instrument :

BNA_G

ClientSampleId :

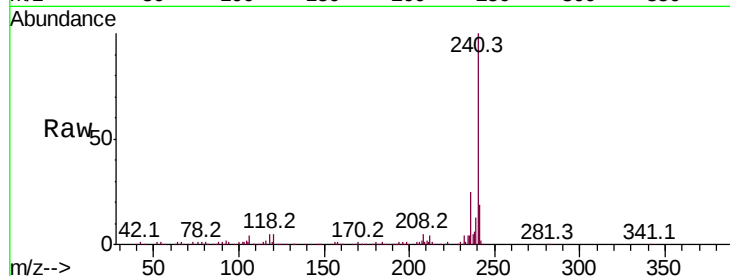
Tot Ion:240 Resp: 277657

Ion Ratio Lower Upper

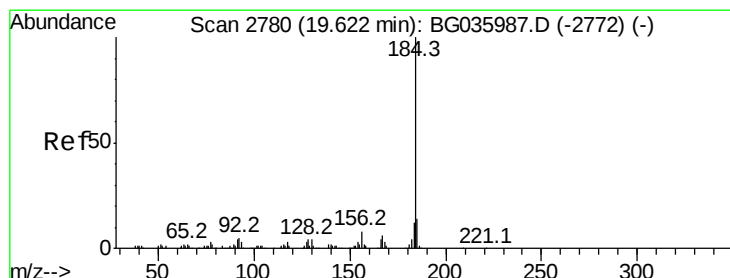
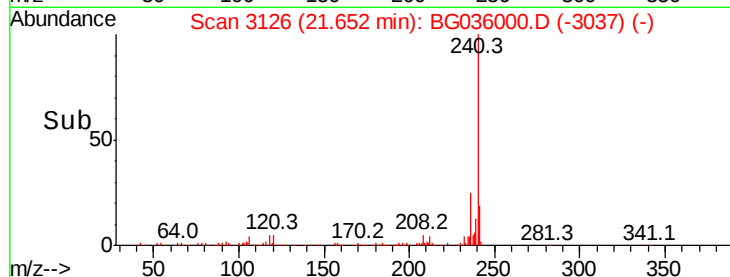
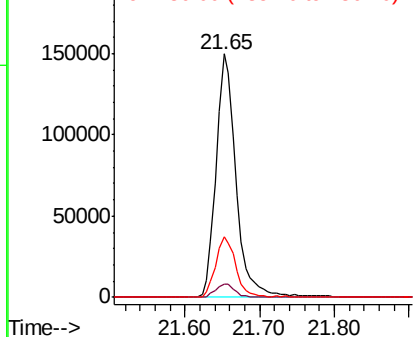
240 100

120 5.3 6.8 10.2#

236 24.9 20.9 31.3



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



#76

Benzidine

Concen: 2.380 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036000.D

Acq: 31 Jul 2018 7:53

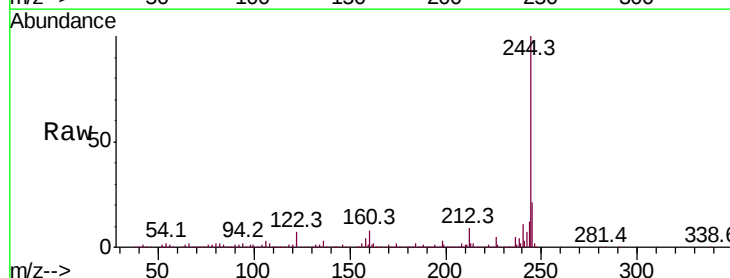
Tgt Ion:184 Resp: 17372

Ion Ratio Lower Upper

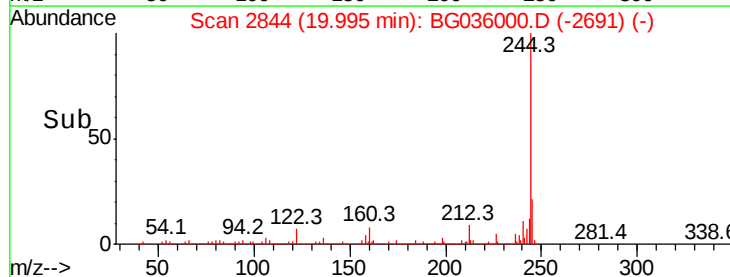
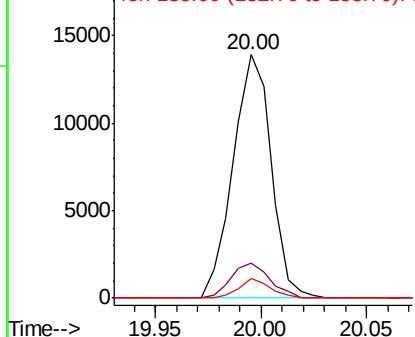
184 100

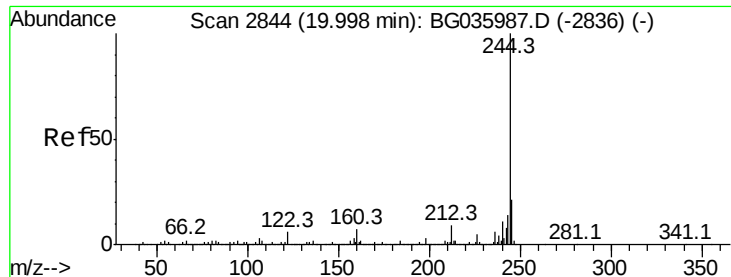
185 14.6 11.1 16.7

183 8.1 10.6 16.0#



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

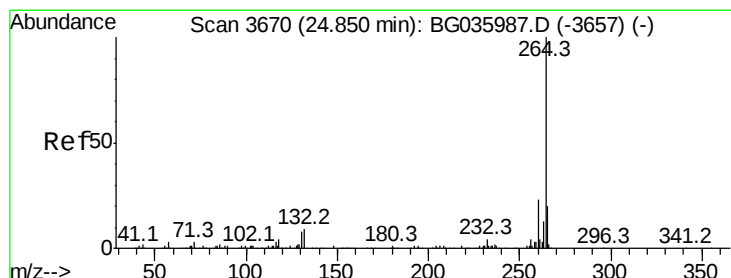
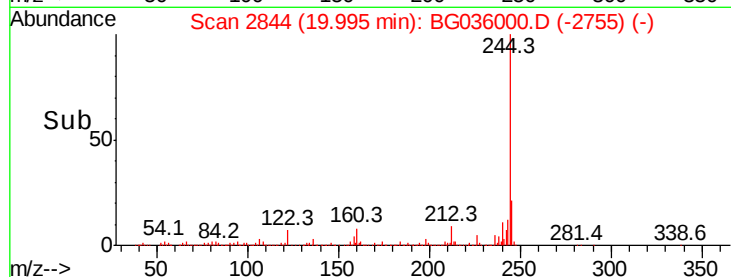
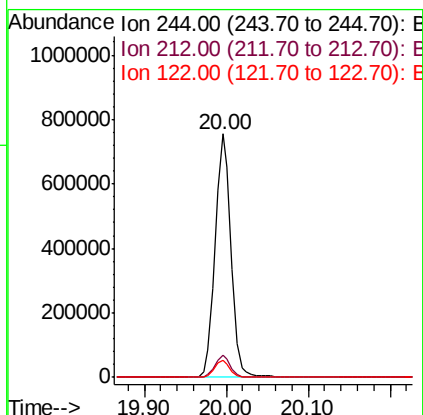
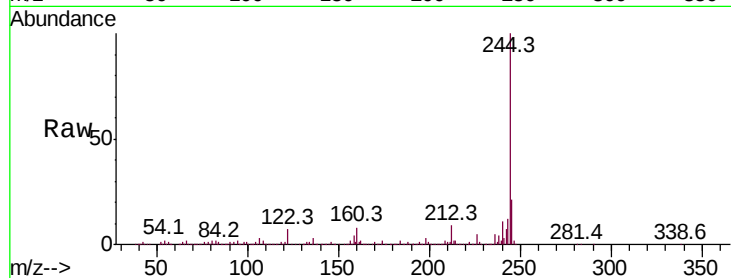




#78
 Terphenyl-d14
 Concen: 81.340 ng
 RT: 20.00 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BG036000.D
 Acq: 31 Jul 2018 7:53

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:244 Resp: 1024575
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 6.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BG036000.D
 Acq: 31 Jul 2018 7:53

Tgt Ion:264 Resp: 242900
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.4 26.0
 265 20.9 17.7 26.5

