

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035289.D
 Acq On : 21 Jun 2018 7:13
 Operator : SJ/JU
 Sample : J3573-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 08:16:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

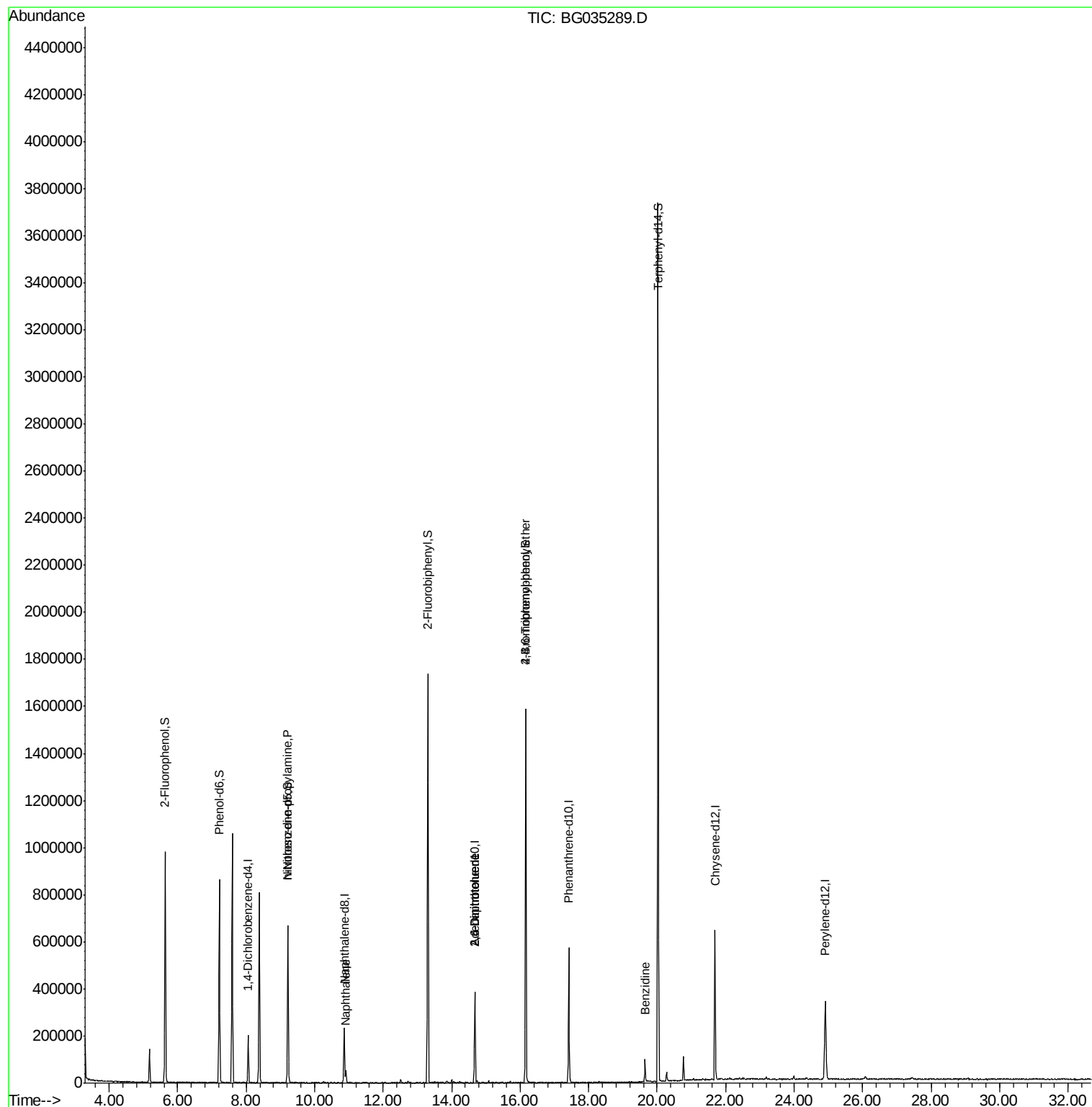
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56907	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	199352	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	135454	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	374177	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	403911	20.00	ng	-0.03
86) Perylene-d12	24.91	264	386326	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	426027	126.34	ng	-0.01
7) Phenol-d6	7.21	99	527497	105.99	ng	-0.01
23) Nitrobenzene-d5	9.22	82	445425	106.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	302438	174.42	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	978128	93.87	ng	-0.02
78) Terphenyl-d14	20.03	244	1796294	93.16	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	61652	14.581	ng	# 69
31) Naphthalene	10.91	128	41314	3.989	ng	# 94
50) 2,6-Dinitrotoluene	14.67	165	19088	8.858	ng	# 19
56) 2,4-Dinitrotoluene	14.67	165	19088	6.668	ng	# 17
66) 4-Bromophenyl-phenylether	16.16	248	24344	5.403	ng	# 1
76) Benzidine	19.64	184	66412	4.420	ng	97

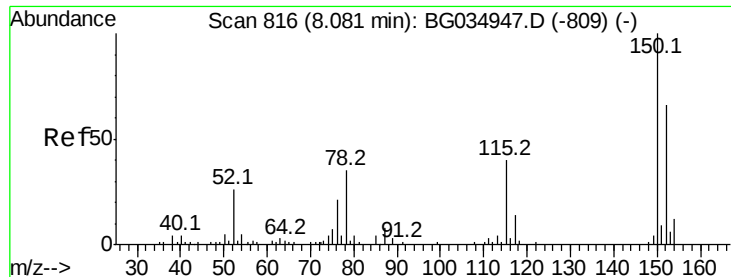
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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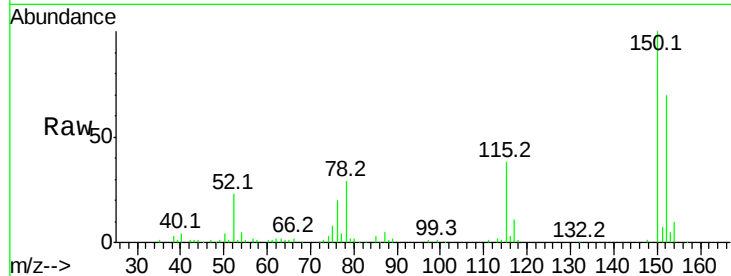


#1

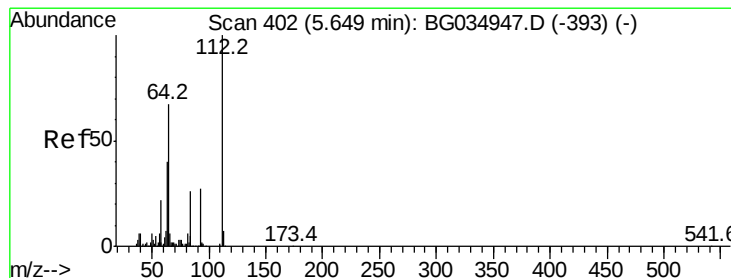
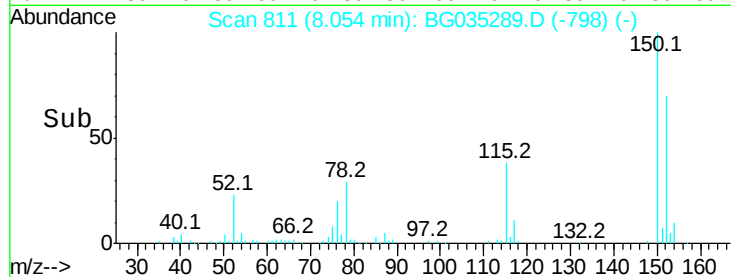
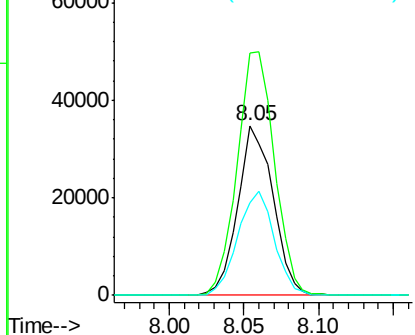
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56907
Ion Ratio Lower Upper
152 100
150 142.6 126.6 189.8
115 54.5 53.0 79.4



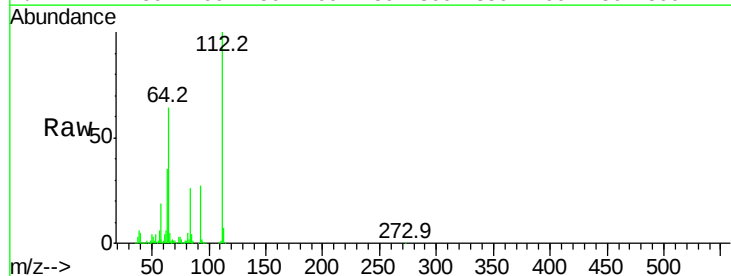
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



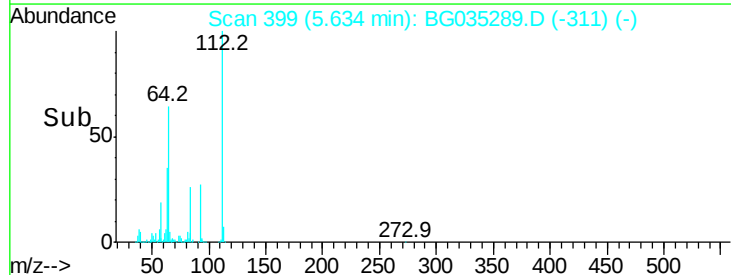
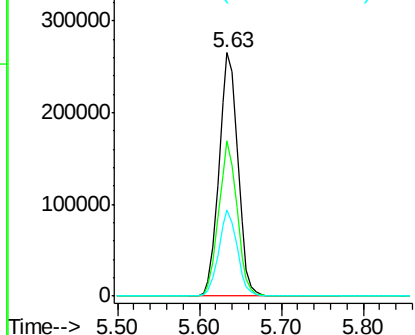
#5

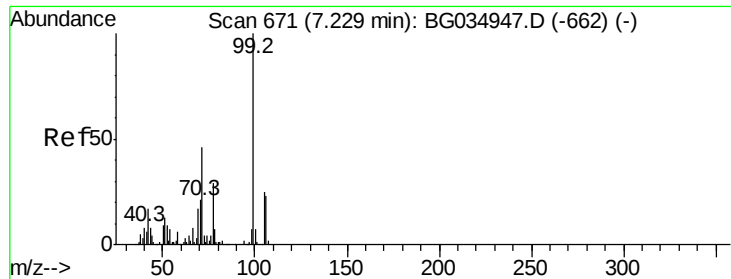
2-Fluorophenol
Concen: 126.341 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Tgt Ion:112 Resp: 426027
Ion Ratio Lower Upper
112 100
64 63.7 56.3 84.5
63 35.4 30.1 45.1



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: 105.988 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

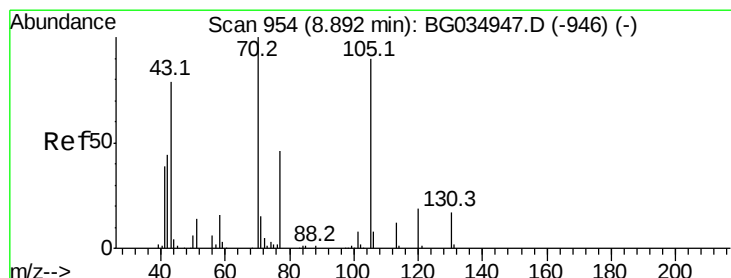
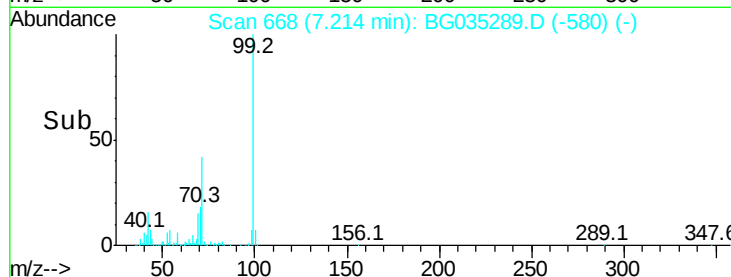
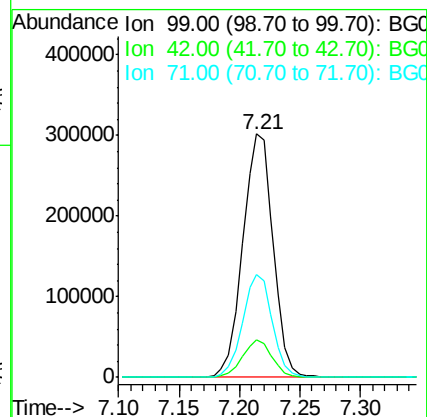
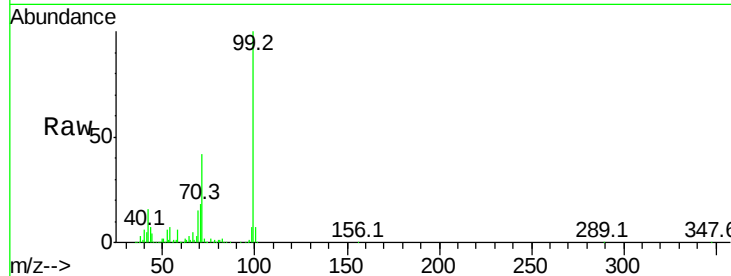
Tot Ion: 99 Resp: 527497

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

71 42.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.581 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Tgt Ion: 70 Resp: 61652

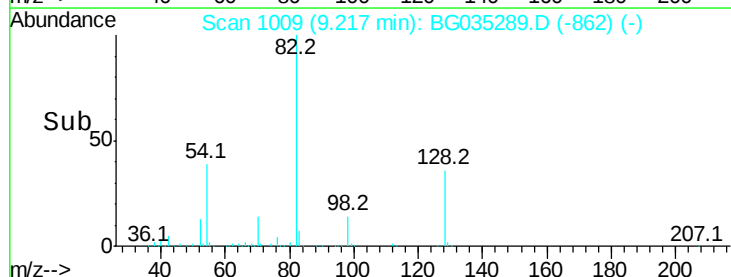
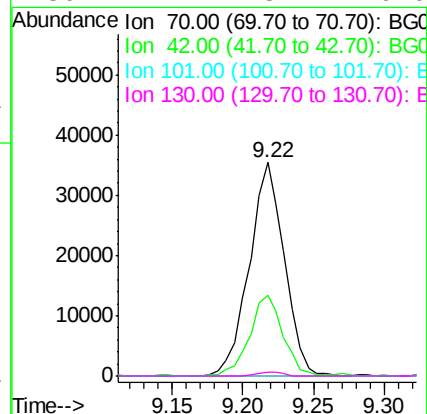
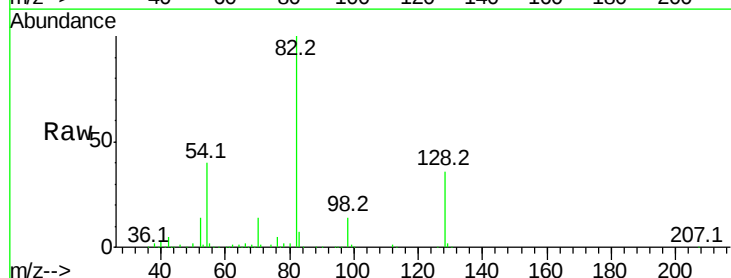
Ion Ratio Lower Upper

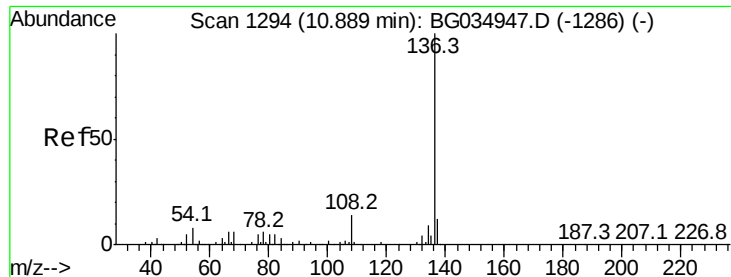
70 100

42 37.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

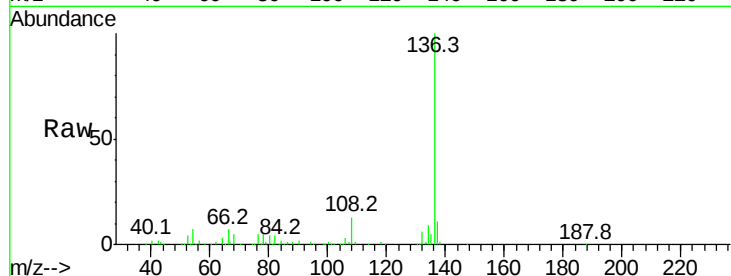




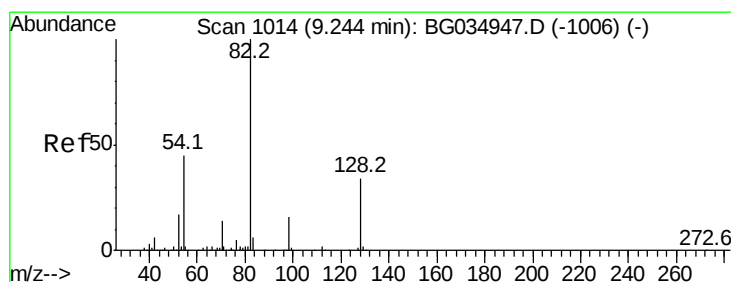
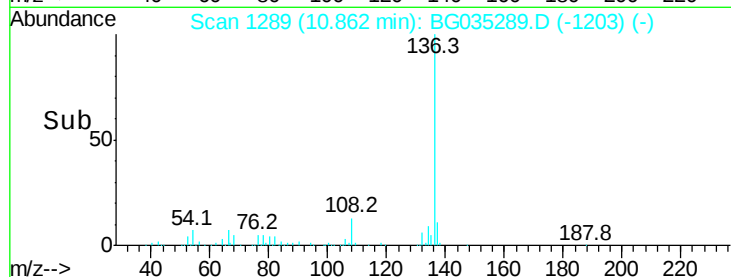
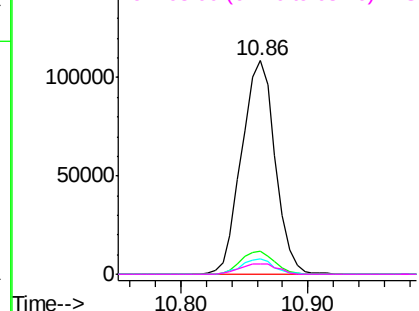
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	199352
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.2	13.8
54	7.3	10.3	15.5#
68	5.0	4.5	6.7

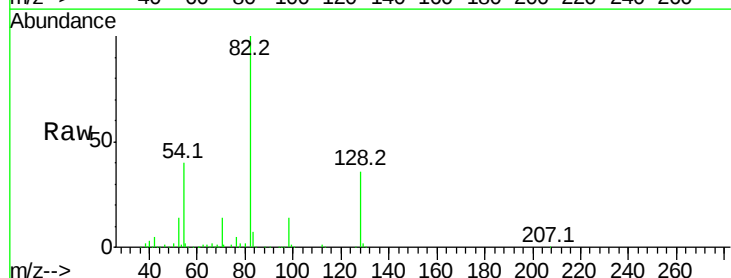


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

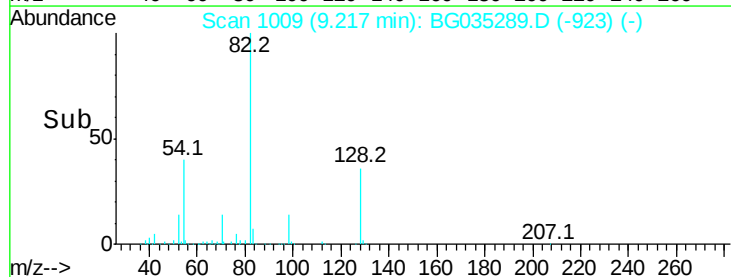
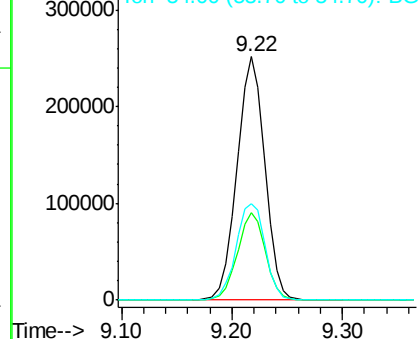


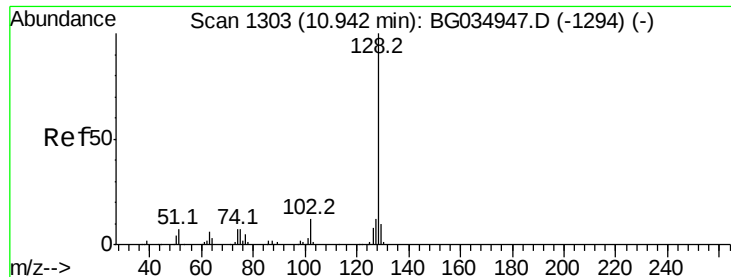
#23
Nitrobenzene-d5
Concen: 106.209 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Tgt Ion:	82	Resp:	445425
Ion Ratio	Lower	Upper	
82	100		
128	36.0	29.7	44.5
54	39.6	43.1	64.7#



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

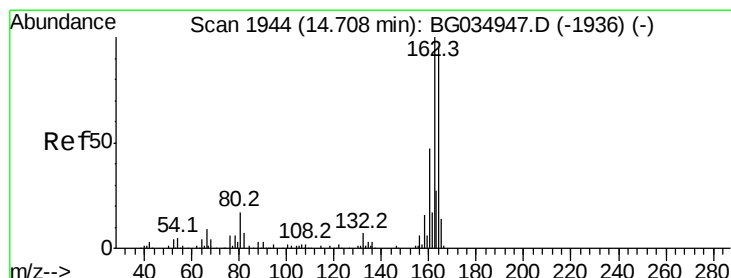
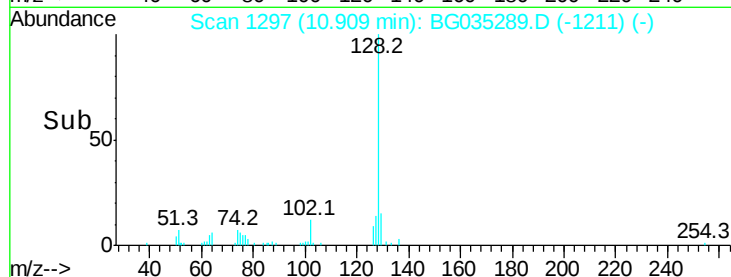
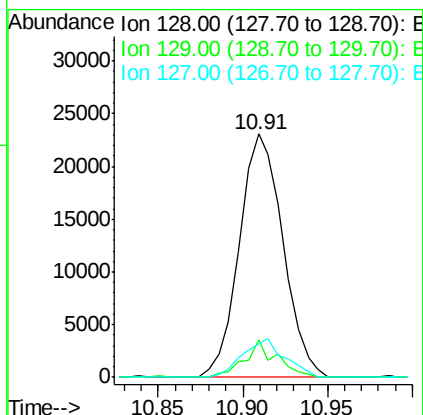
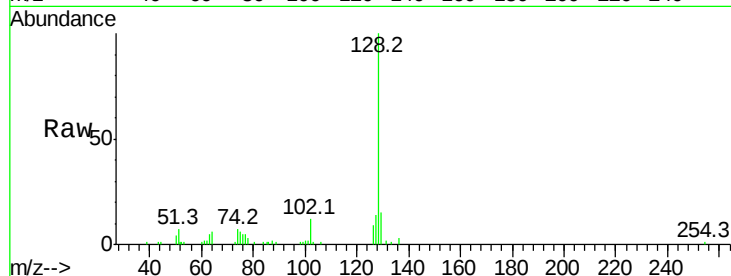




#31
Naphthalene
Concen: 3.989 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

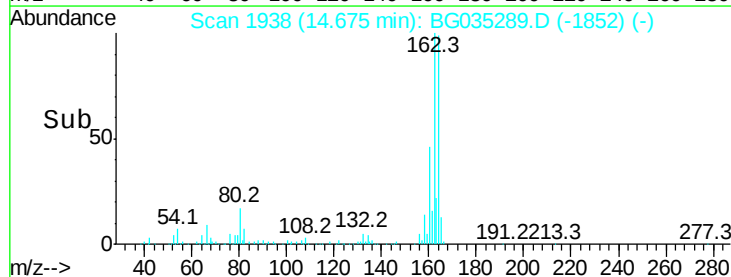
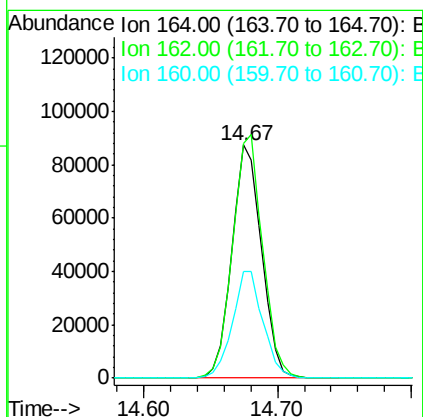
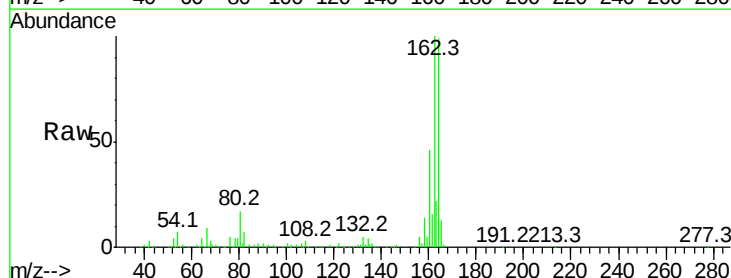
Instrument :
BNA_G
ClientSampleId :

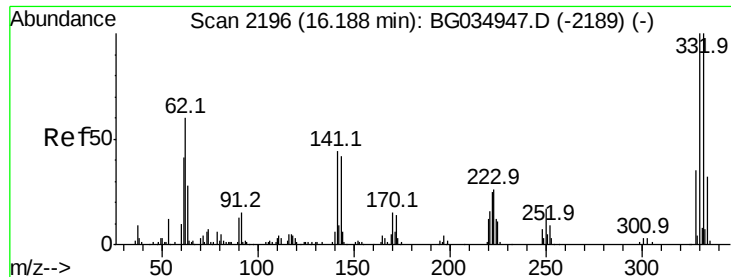
Tot Ion:128 Resp: 41314
Ion Ratio Lower Upper
128 100
129 15.3 8.6 12.8#
127 14.0 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Tgt Ion:164 Resp: 135454
Ion Ratio Lower Upper
164 100
162 100.7 78.8 118.2
160 46.0 35.4 53.0

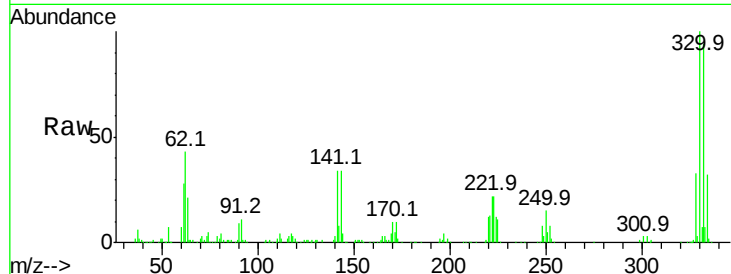




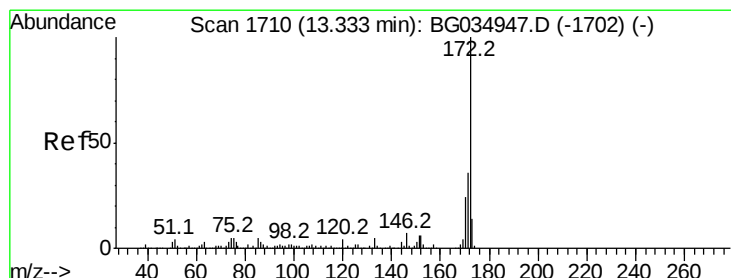
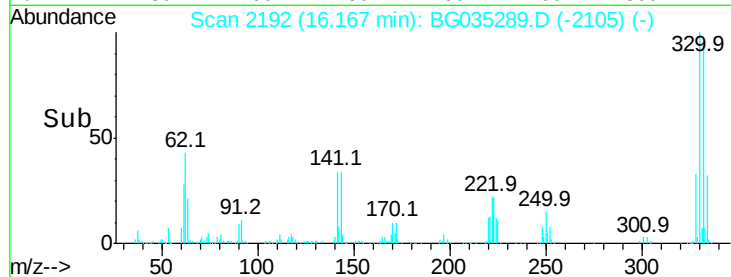
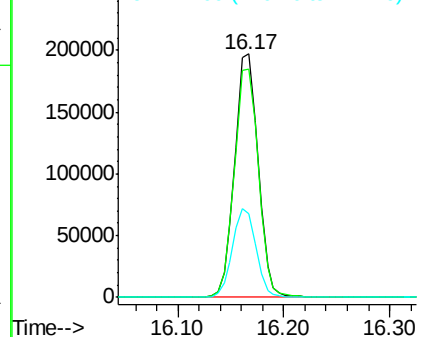
#41
 2,4,6-Tribromophenol
 Concen: 174.418 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	36.5	25.2	37.8

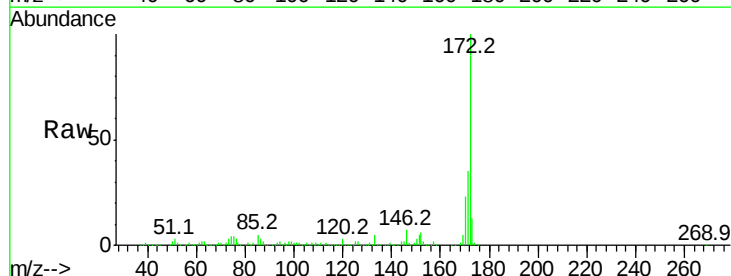


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

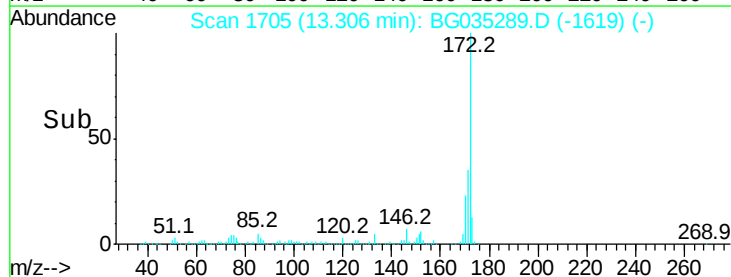
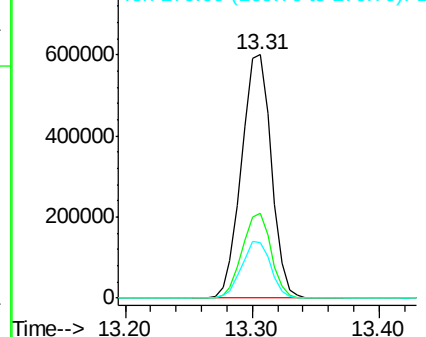


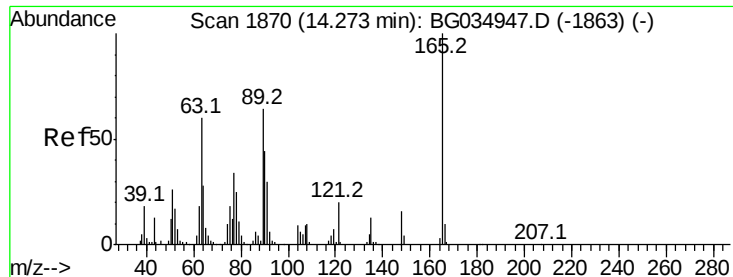
#44
 2-Fluorobiphenyl
 Concen: 93.874 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	23.0	19.5	29.3



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

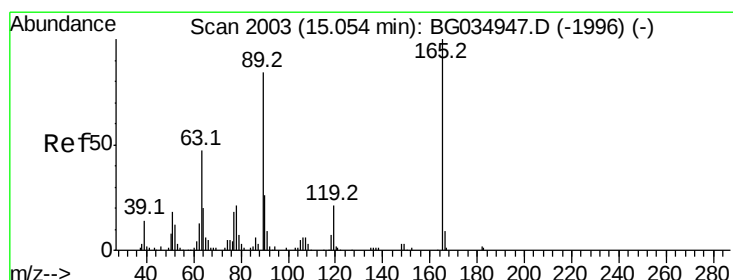
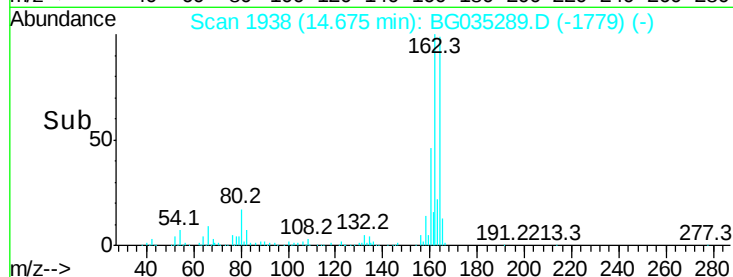
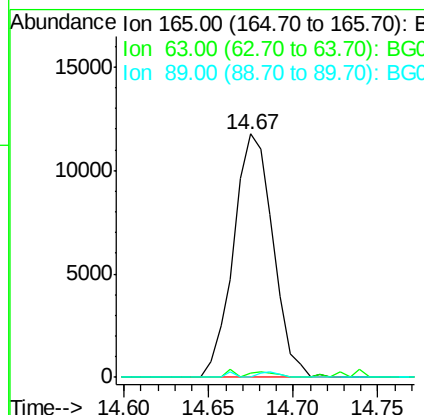
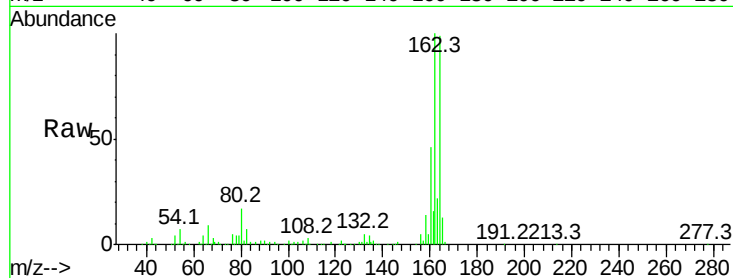




#50
2,6-Dinitrotoluene
Concen: 8.858 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

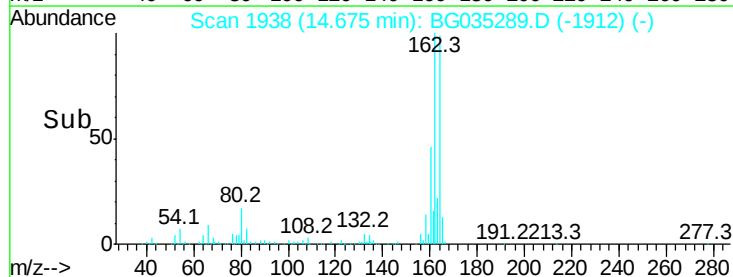
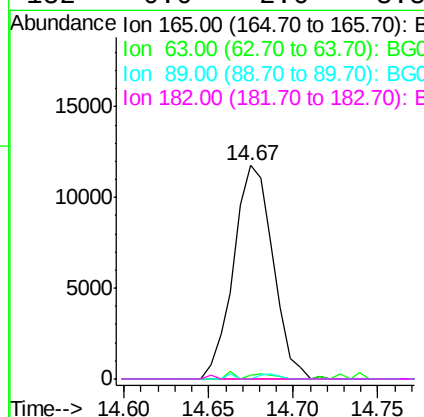
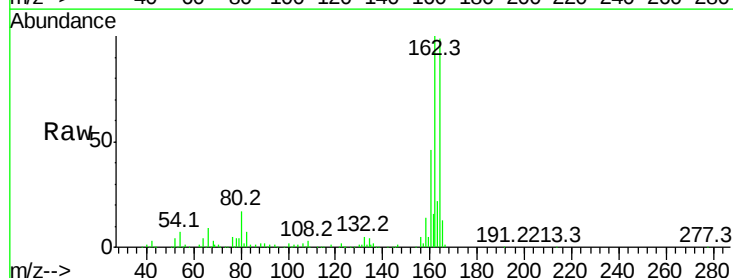
Instrument :
BNA_G
ClientSampleId :

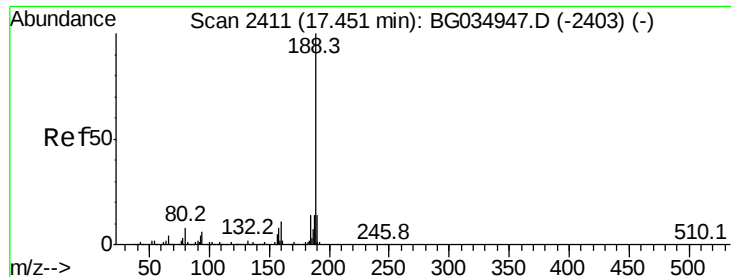
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.668 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

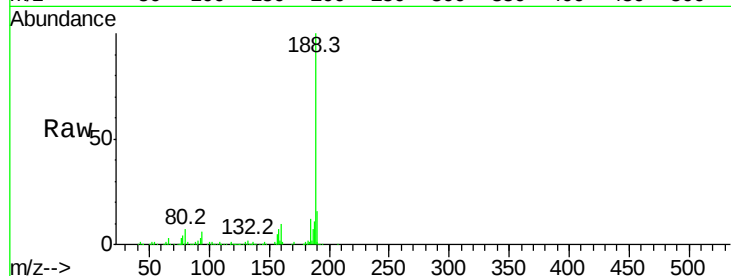
Tot Ion:188 Resp: 374177

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

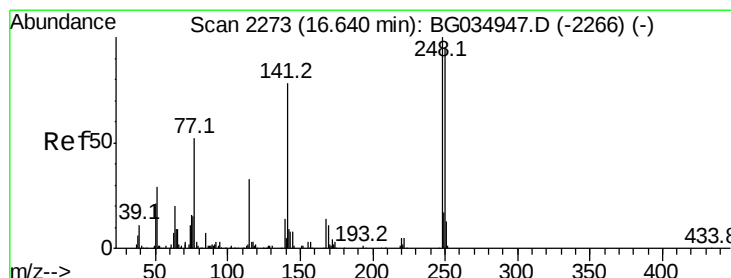
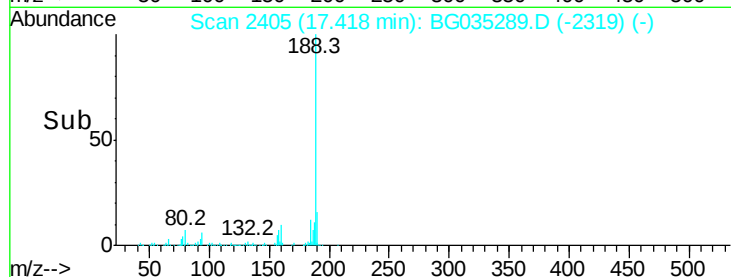
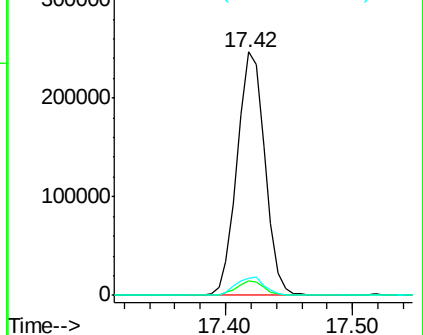
80 7.0 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.403 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.47 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

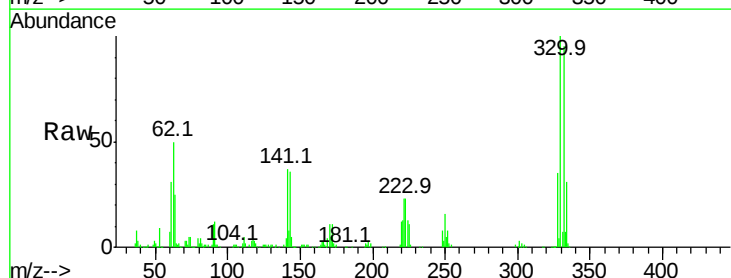
Tgt Ion:248 Resp: 24344

Ion Ratio Lower Upper

248 100

250 193.8 77.1 115.7#

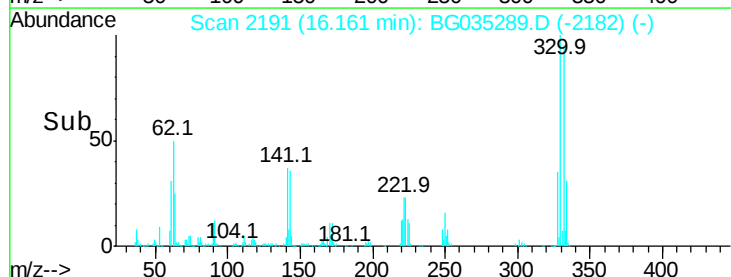
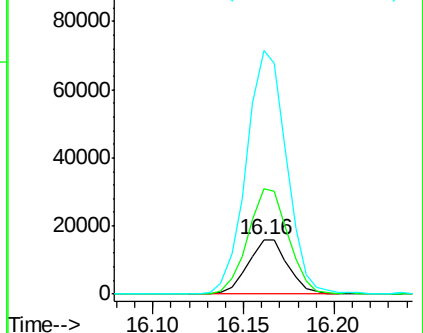
141 449.1 50.8 76.2#

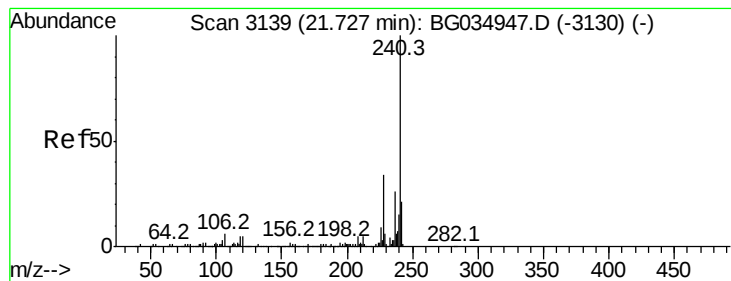


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

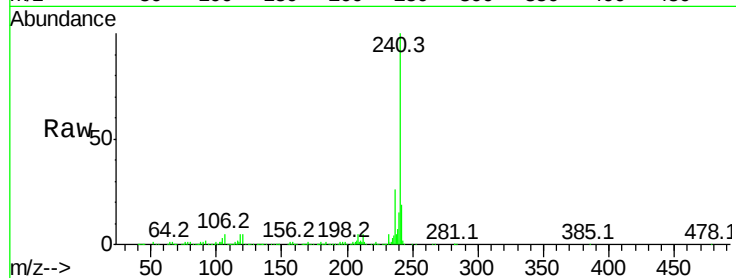
Tot Ion:240 Resp: 403911

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

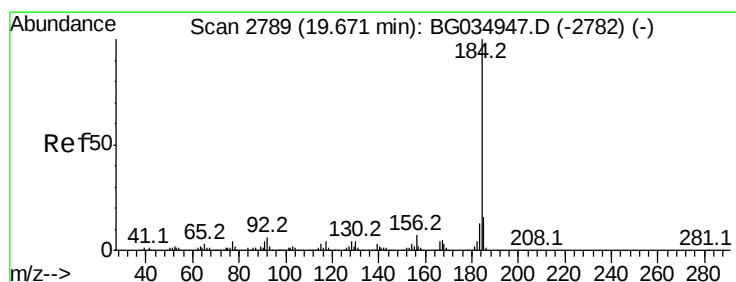
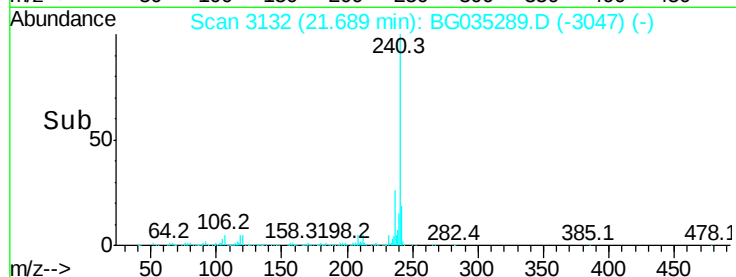
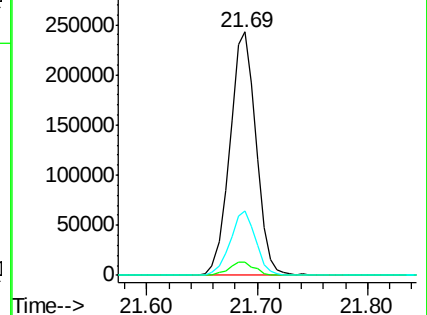
236 26.3 20.9 31.3



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: 4.420 ng

RT: 19.64 min Scan# 2784

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

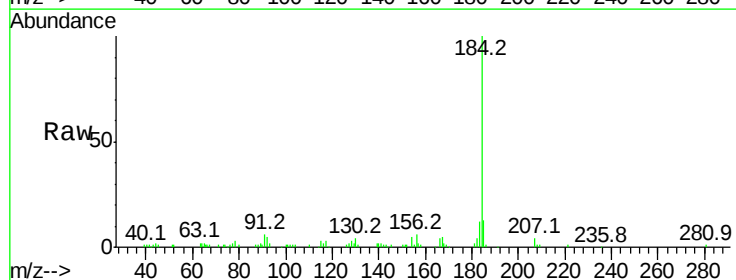
Tgt Ion:184 Resp: 66412

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

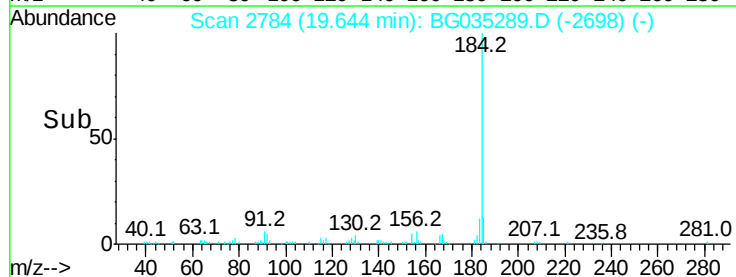
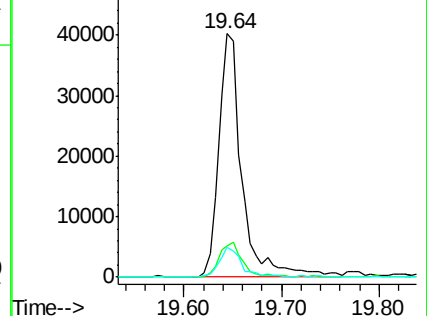
183 12.1 10.6 16.0

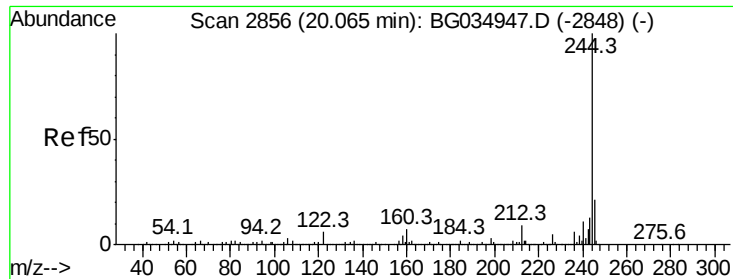


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

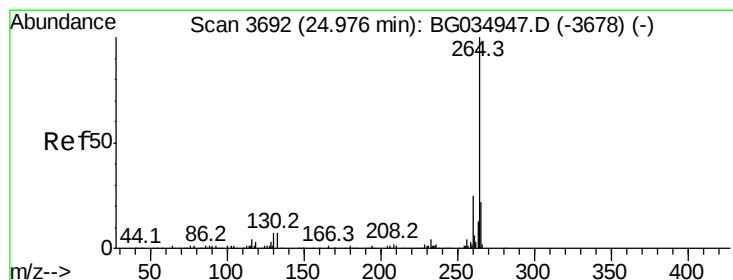
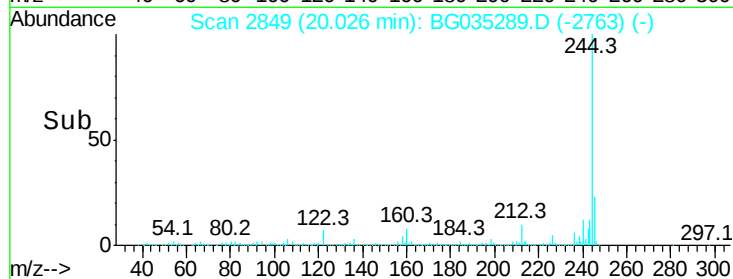
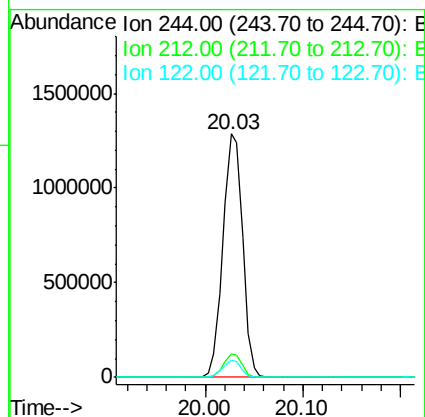
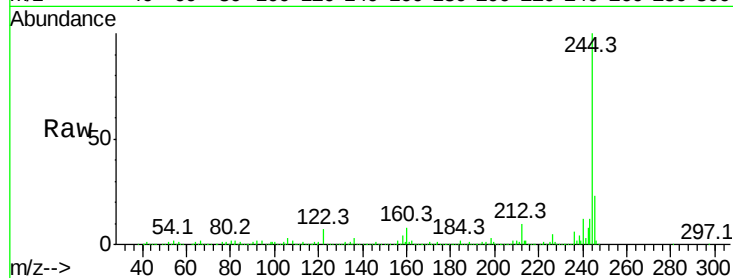




#78
 Terphenyl-d14
 Concen: 93.155 ng
 RT: 20.03 min Scan# 2849
 Delta R.T. -0.02 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1796294
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.8 8.8#
 122 7.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3680
 Delta R.T. -0.05 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

Tgt Ion:264 Resp: 386326
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.4 26.0
 265 21.5 17.7 26.5

