

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
 Data File : BG035463.D
 Acq On : 28 Jun 2018 2:38
 Operator : JU/SJ
 Sample : J3695-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 04:33:28 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

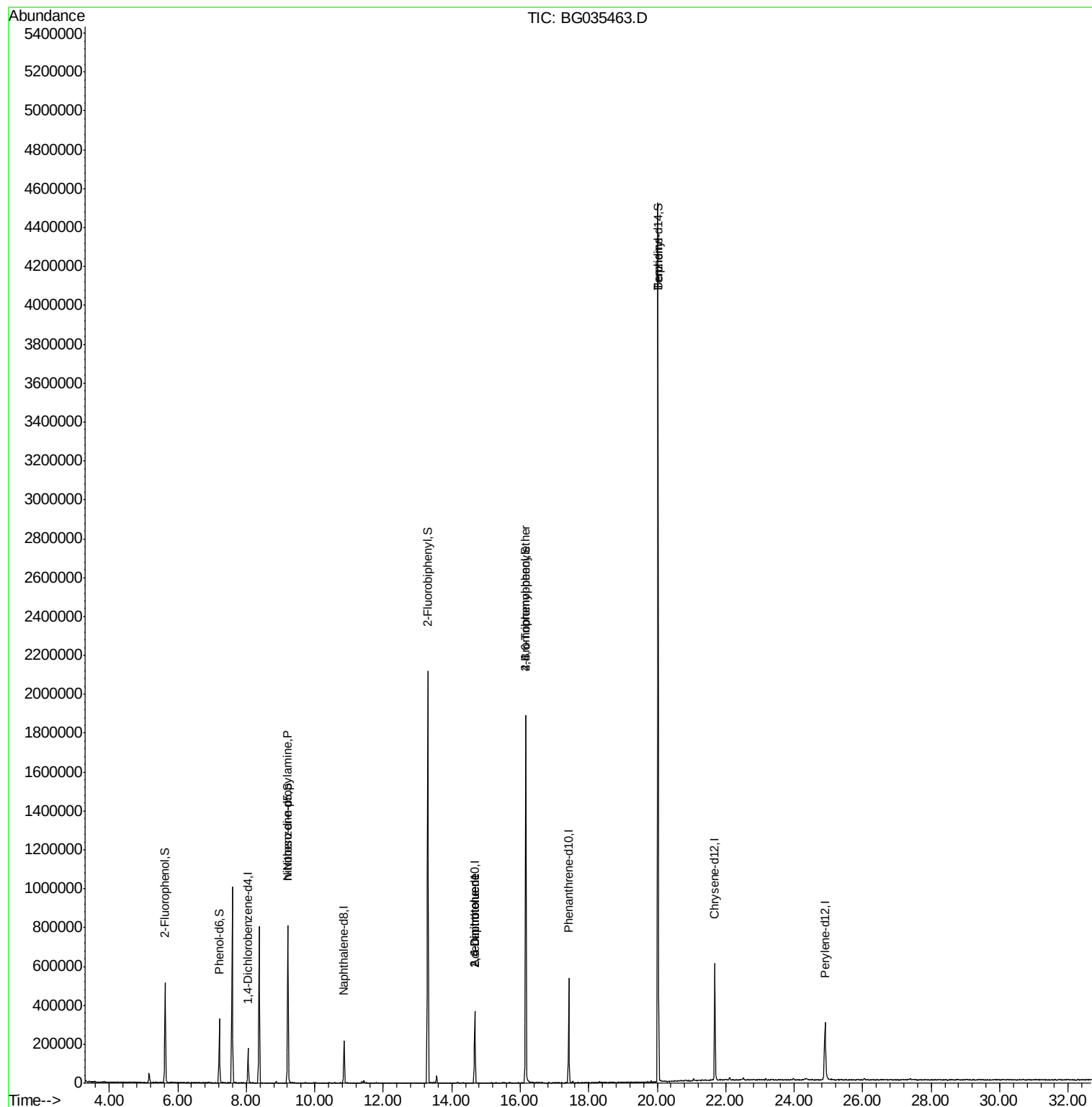
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49476	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	181831	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	126990	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	342462	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	375427	20.00	ng	-0.04
86) Perylene-d12	24.91	264	352233	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	228318	77.88	ng	-0.01
7) Phenol-d6	7.21	99	204522	47.27	ng	-0.01
23) Nitrobenzene-d5	9.21	82	533865	139.56	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	373518	229.77	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1125413	115.21	ng	-0.03
78) Terphenyl-d14	20.02	244	2151328	120.03	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	75686	20.588	ng	# 64
50) 2,6-Dinitrotoluene	14.67	165	17399	8.612	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	17399	6.483	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	30300	7.347	ng	# 1
76) Benzidine	20.02	184	36239	2.595	ng	# 91

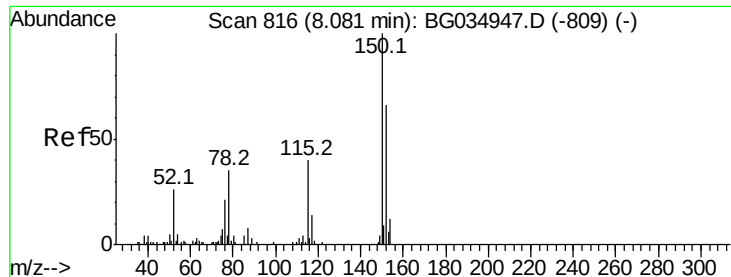
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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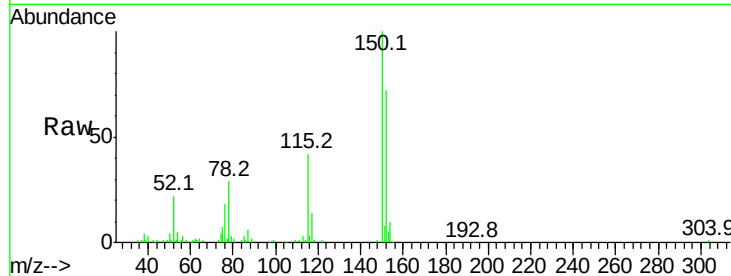


#1

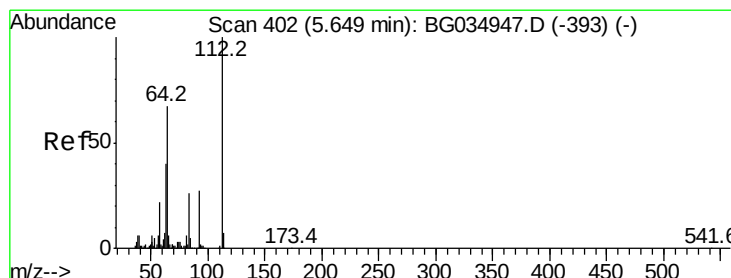
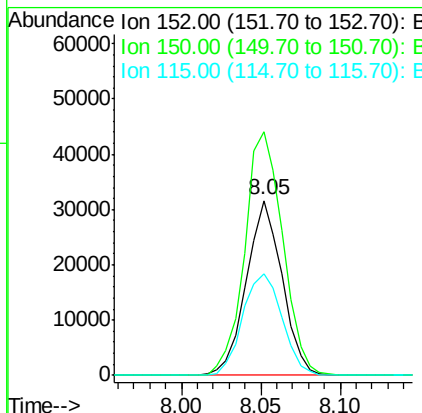
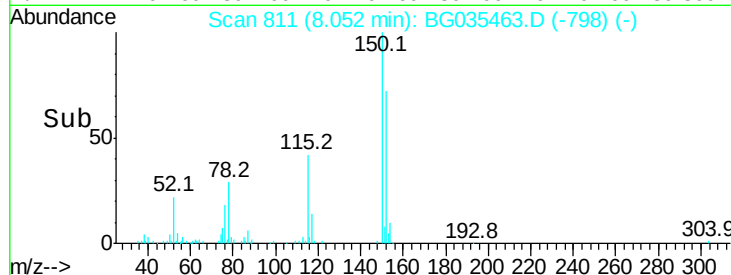
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.4	126.6	189.8
115	57.9	53.0	79.4



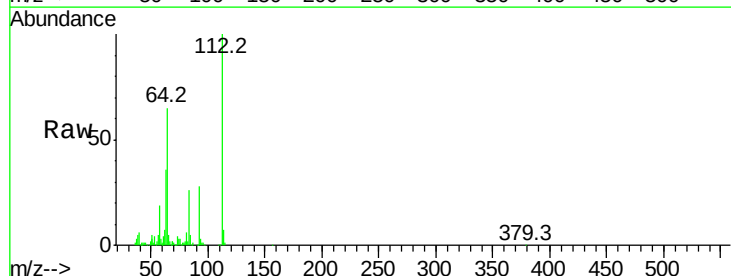
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



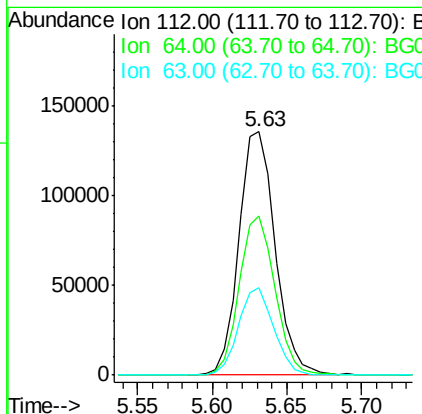
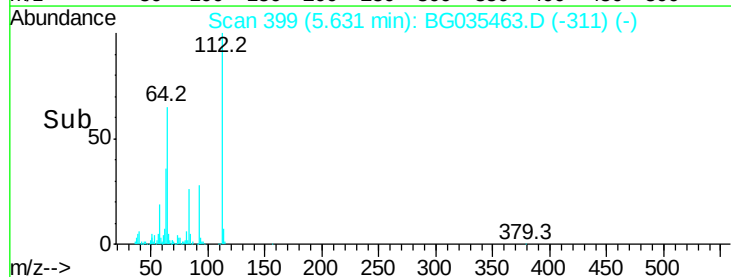
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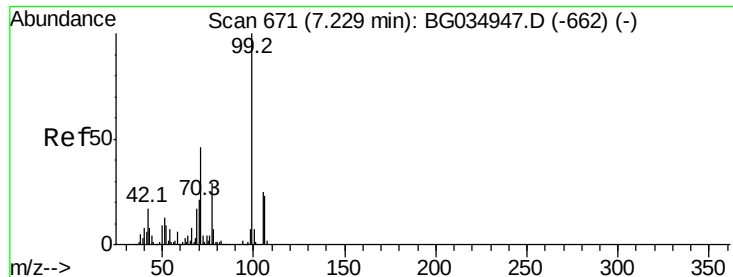
2-Fluorophenol
Concen: 77.878 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	56.3	84.5
63	35.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGO
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 47.266 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035463.D

Acq: 28 Jun 2018 2:38

Instrument :

BNA_G

ClientSampleId :

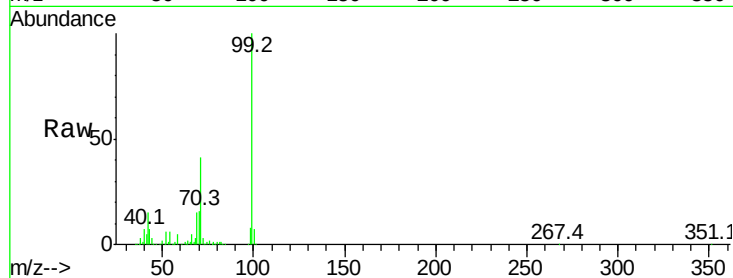
Tot Ion: 99 Resp: 204522

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

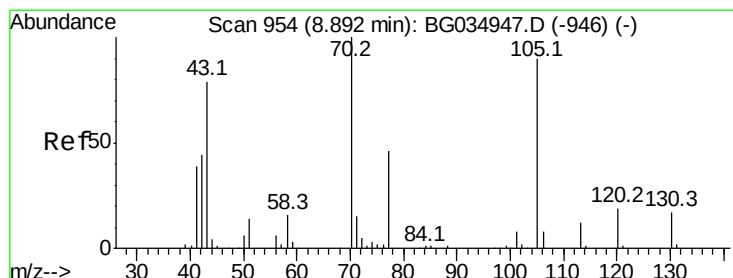
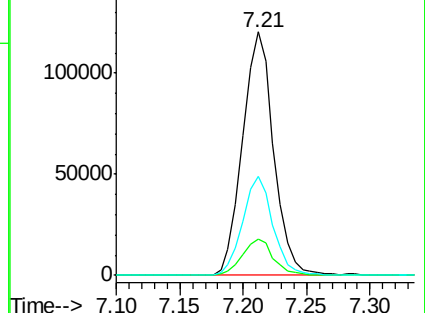
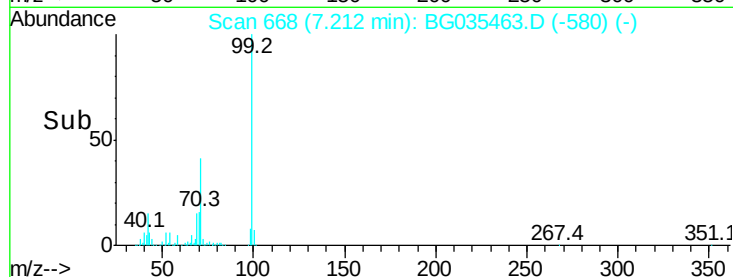
71 40.8 26.1 39.1#



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: 20.588 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035463.D

Acq: 28 Jun 2018 2:38

Tgt Ion: 70 Resp: 75686

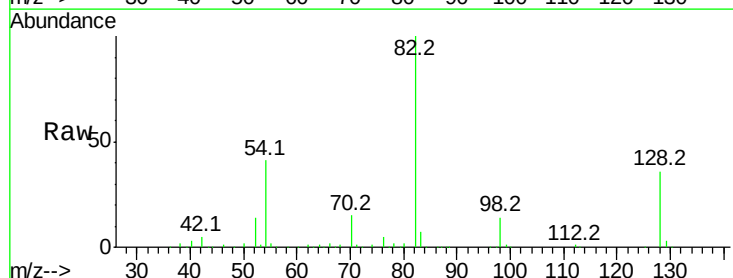
Ion Ratio Lower Upper

70 100

42 33.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

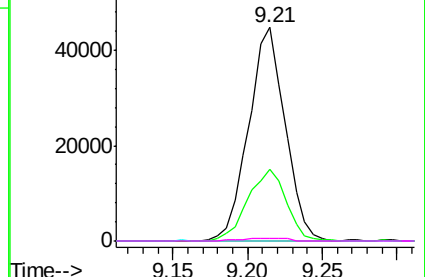
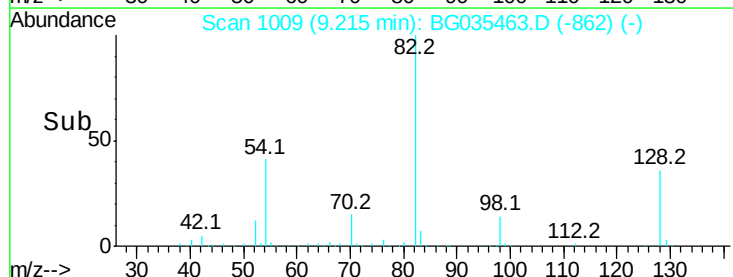


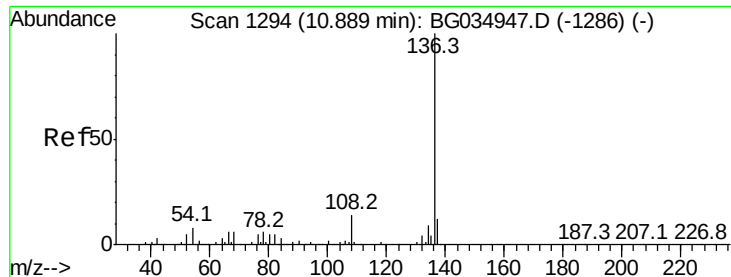
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

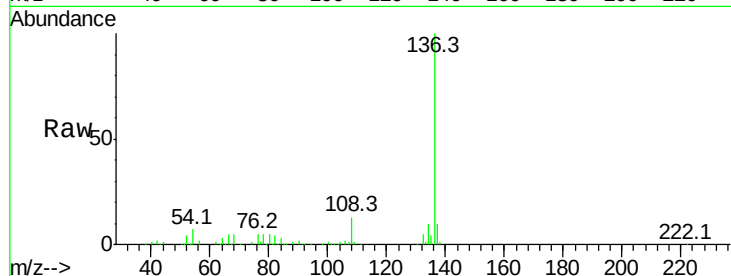




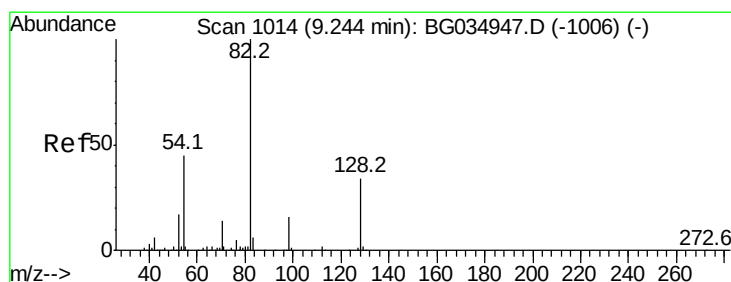
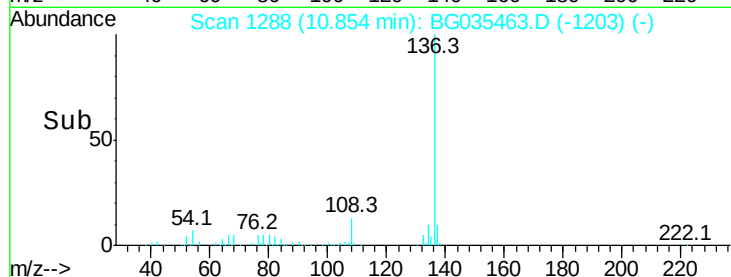
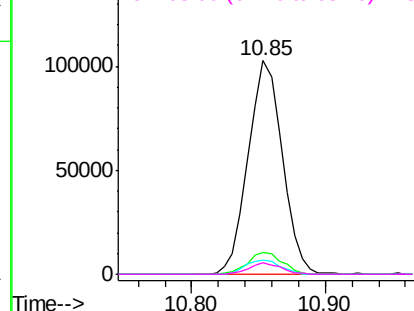
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	181831
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	6.9	10.3	15.5#
68	5.1	4.5	6.7

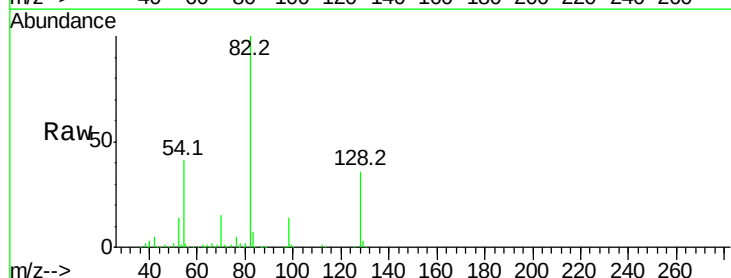


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

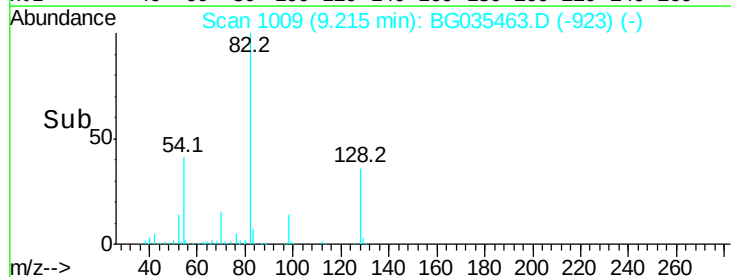
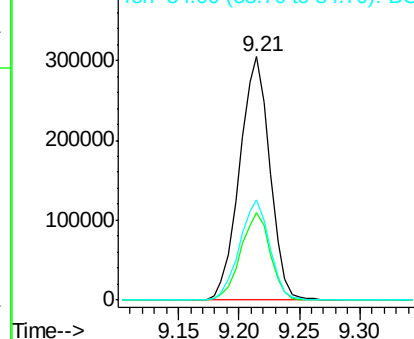


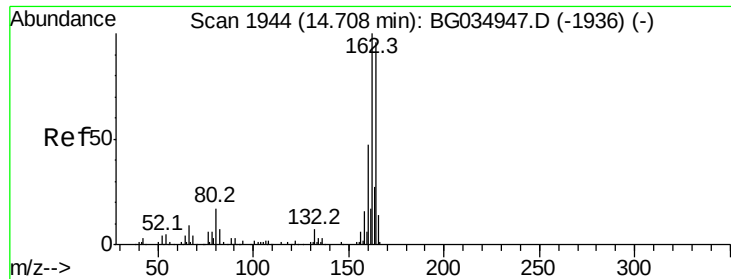
#23
Nitrobenzene-d5
Concen: 139.563 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Tgt Ion:	82	Resp:	533865
Ion Ratio	Lower	Upper	
82	100		
128	35.7	29.7	44.5
54	40.9	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

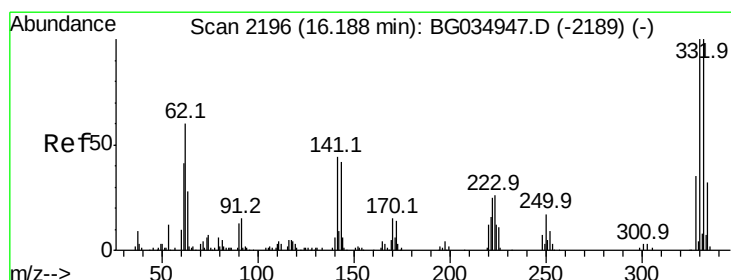
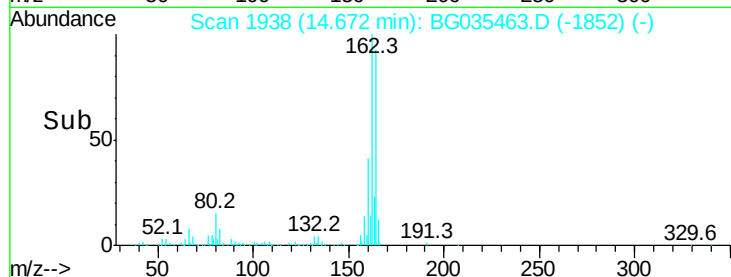
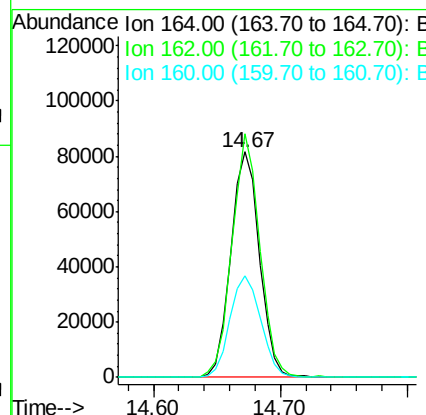
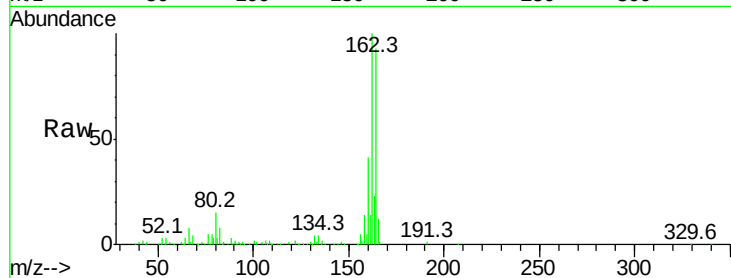




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.02 min
 Lab File: BG035463.D
 Acq: 28 Jun 2018 2:38

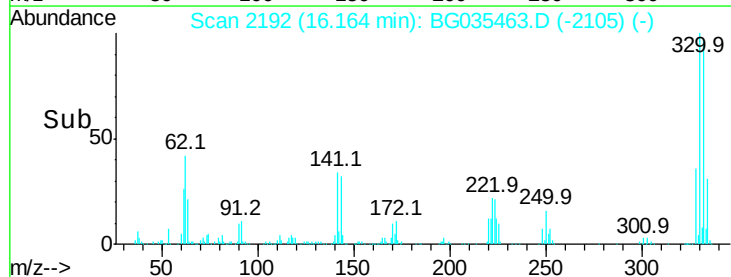
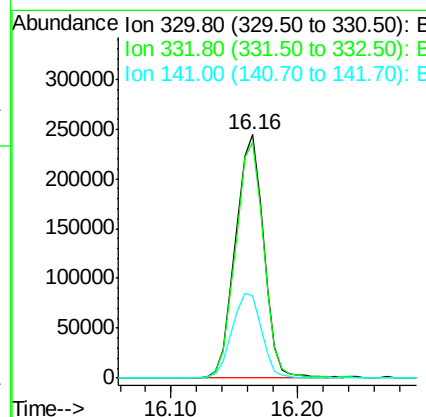
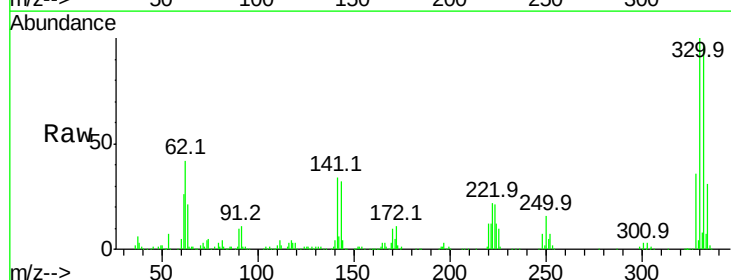
Instrument :
 BNA_G
 ClientSampleId :

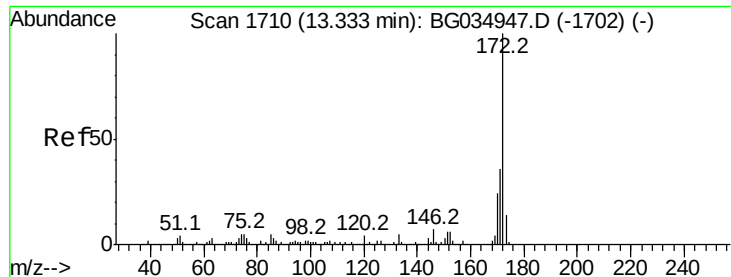
Tot Ion	Ratio	Lower	Upper
164	100		
162	108.0	78.8	118.2
160	44.8	35.4	53.0



#41
 2,4,6-Tribromophenol
 Concen: 229.768 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035463.D
 Acq: 28 Jun 2018 2:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	36.5	25.2	37.8

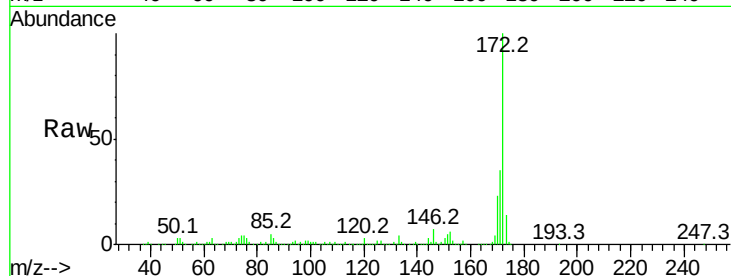




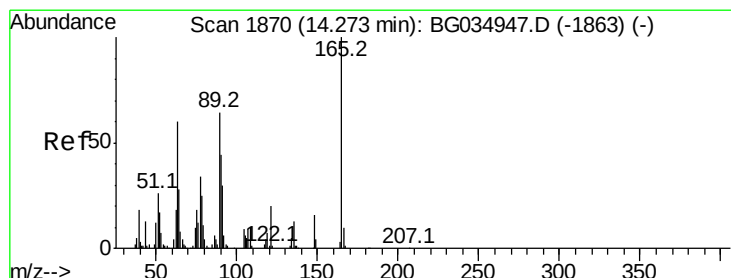
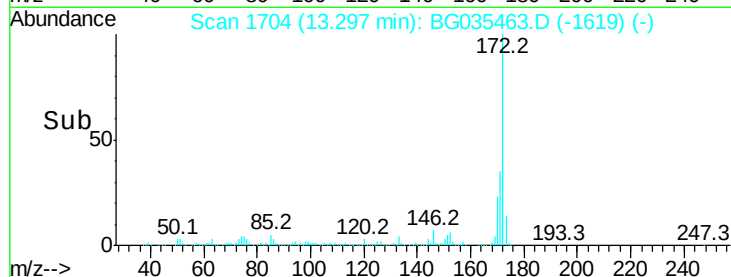
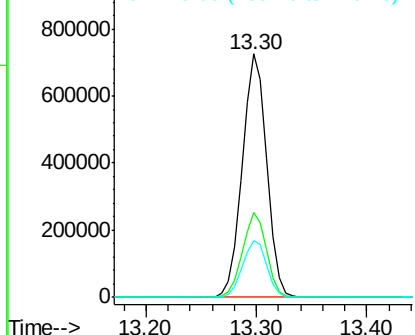
#44
2-Fluorobiphenyl
Concen: 115.209 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1125413
Ion Ratio Lower Upper
172 100
171 34.8 30.0 45.0
170 23.5 19.5 29.3

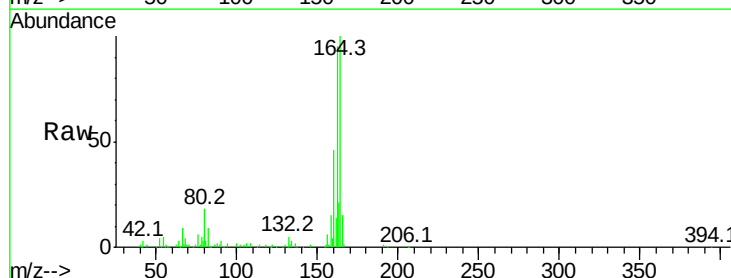


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

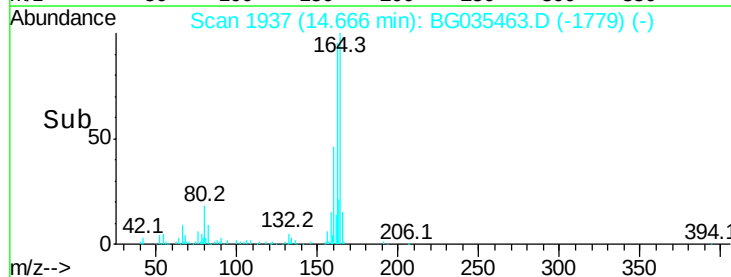
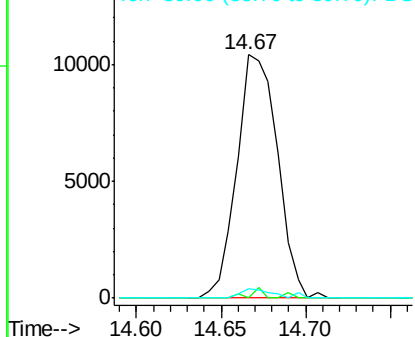


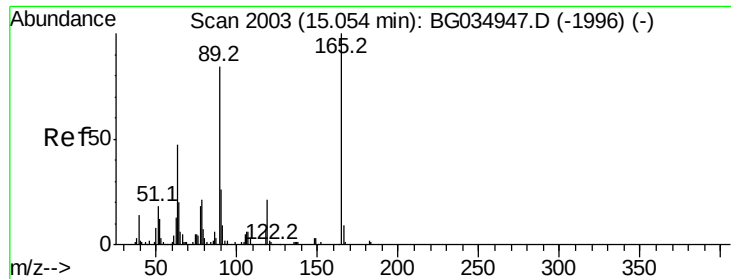
#50
2,6-Dinitrotoluene
Concen: 8.612 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.40 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Tgt Ion:165 Resp: 17399
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.7 49.2 73.8#



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

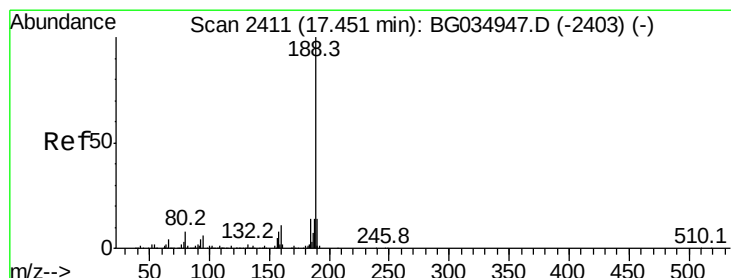
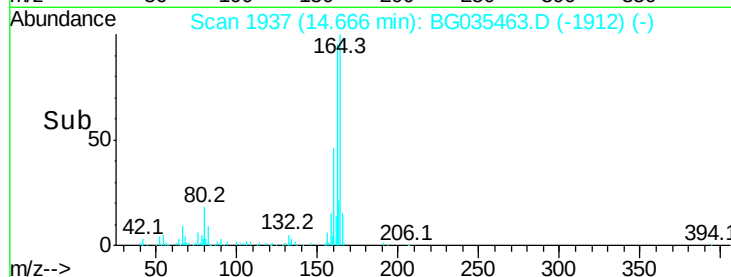
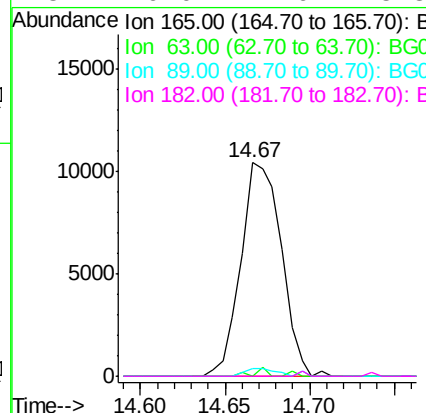
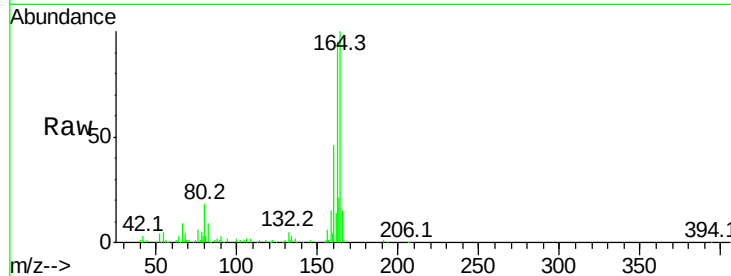




#56
 2,4-Dinitrotoluene
 Concen: 6.483 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.38 min
 Lab File: BG035463.D
 Acq: 28 Jun 2018 2:38

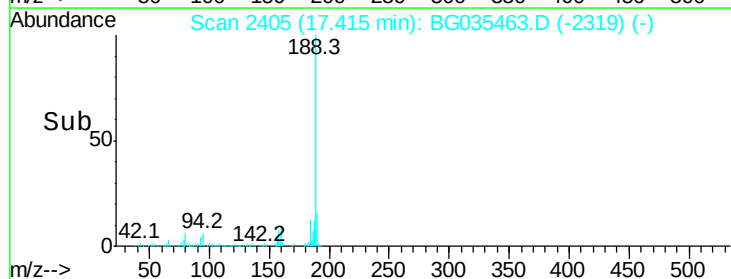
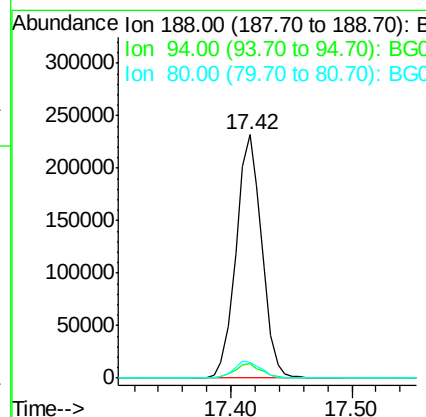
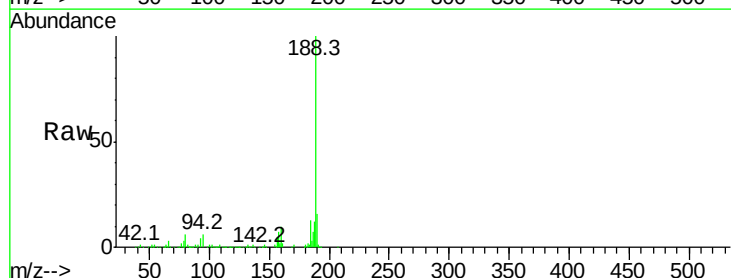
Instrument :
 BNA_G
 ClientSampleId :

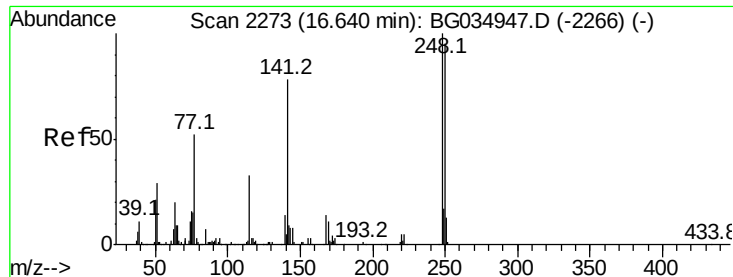
Tot Ion:	165	Resp:	17399
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.7	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035463.D
 Acq: 28 Jun 2018 2:38

Tgt Ion:	188	Resp:	342462
Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	6.4	7.7	11.5#

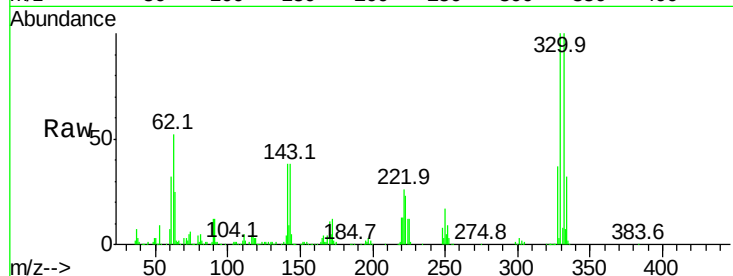




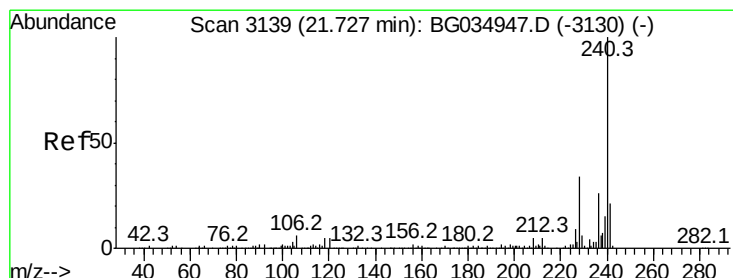
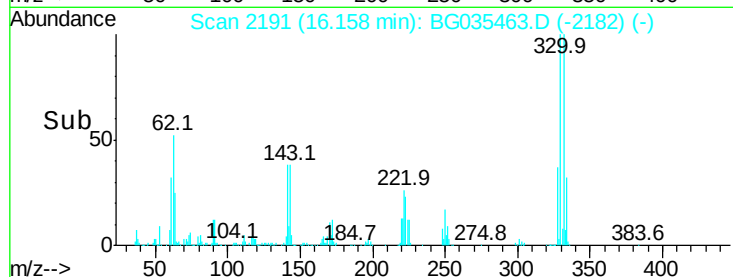
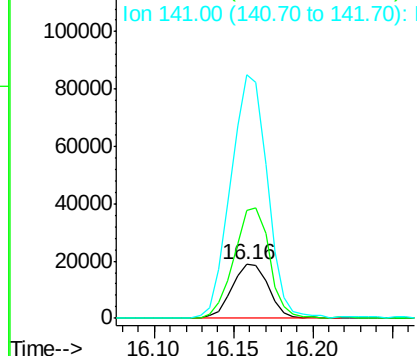
#66
4-Bromophenyl-phenylether
Concen: 7.347 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 30300
Ion Ratio Lower Upper
248 100
250 198.9 77.1 115.7#
141 450.6 50.8 76.2#

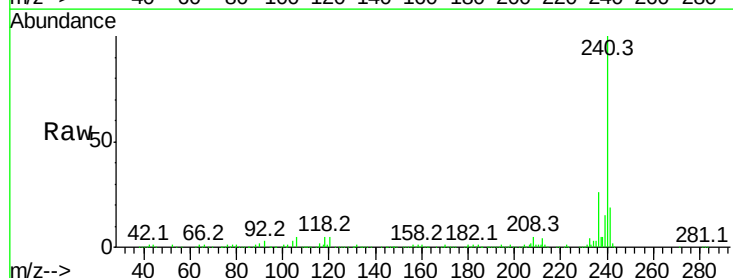


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

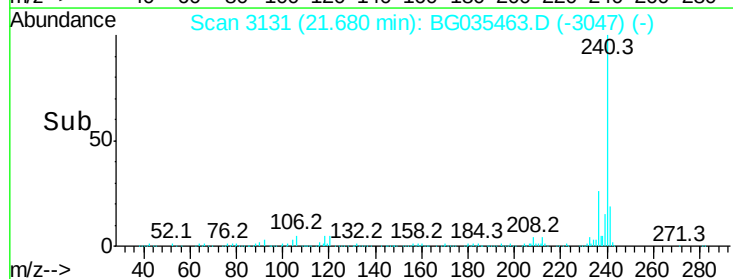
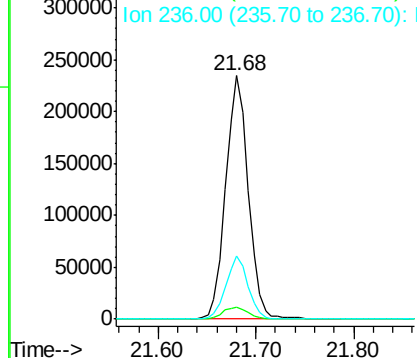


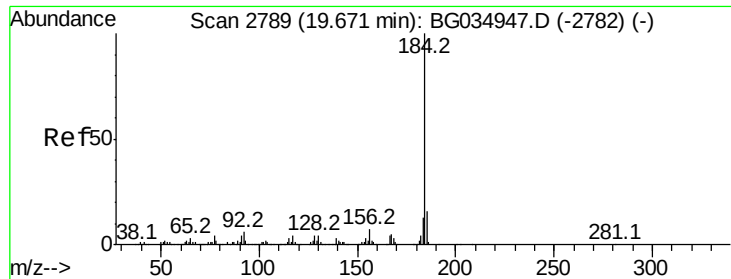
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Tgt Ion:240 Resp: 375427
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 26.2 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

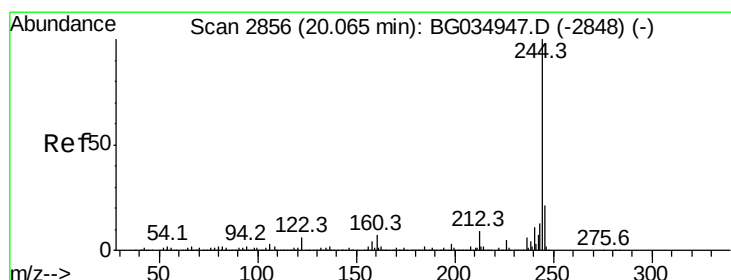
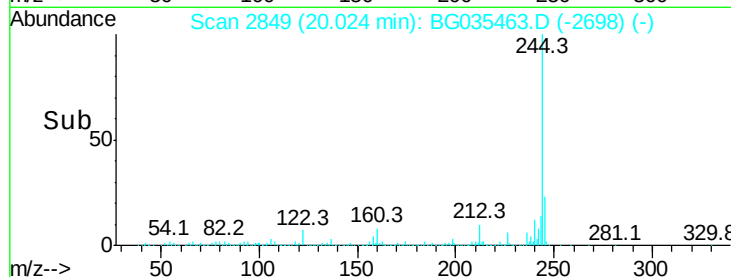
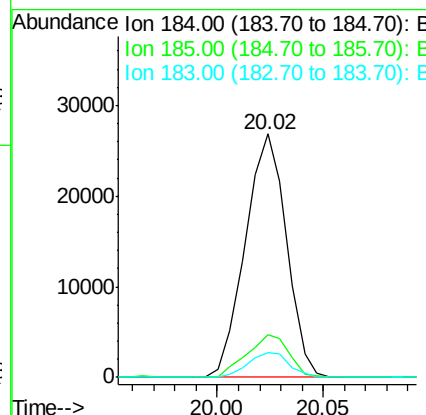
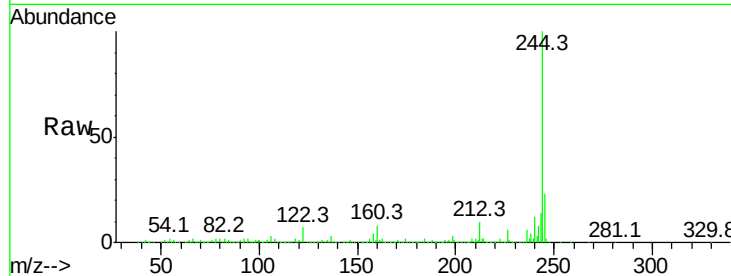




#76
Benzidine
Concen: 2.595 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

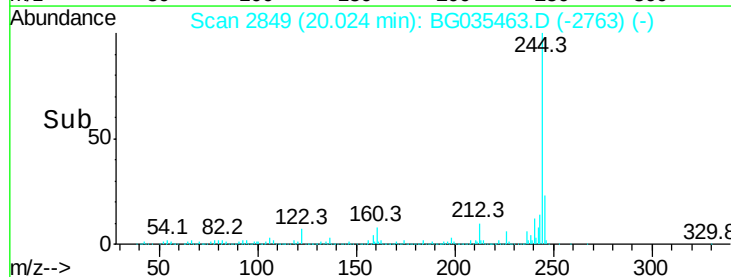
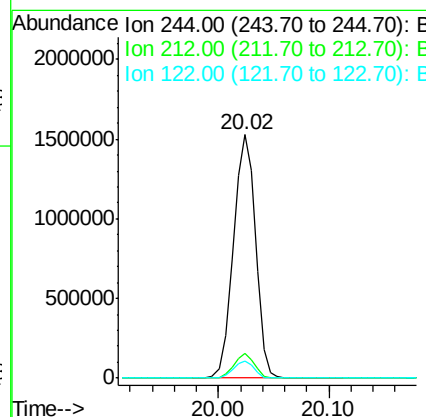
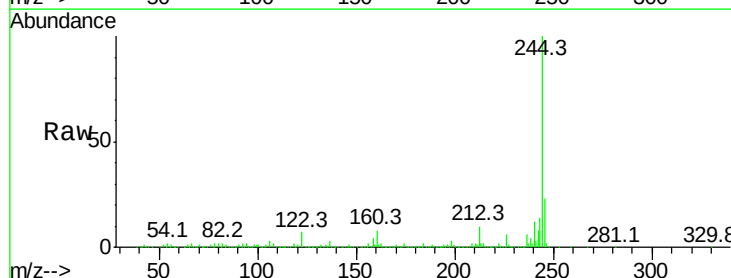
Instrument :
BNA_G
ClientSampleId :

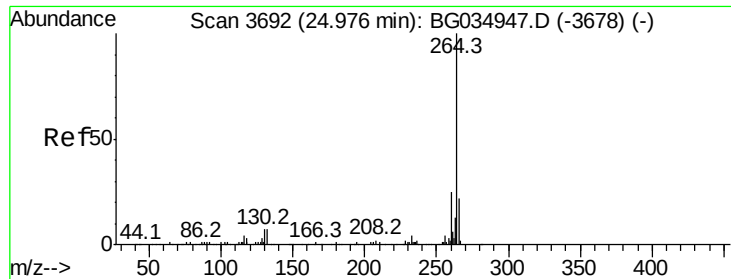
Tot Ion:184 Resp: 36239
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 10.0 10.6 16.0#



#78
Terphenyl-d14
Concen: 120.032 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Tgt Ion:244 Resp: 2151328
Ion Ratio Lower Upper
244 100
212 9.9 5.8 8.8#
122 7.1 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.05 min
Lab File: BG035463.D
Acq: 28 Jun 2018 2:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	352233
Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.4	26.0
265	20.9	17.7	26.5

