

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035196.D
 Acq On : 16 Jun 2018 7:19
 Operator : SJ/JU
 Sample : J3490-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:08 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

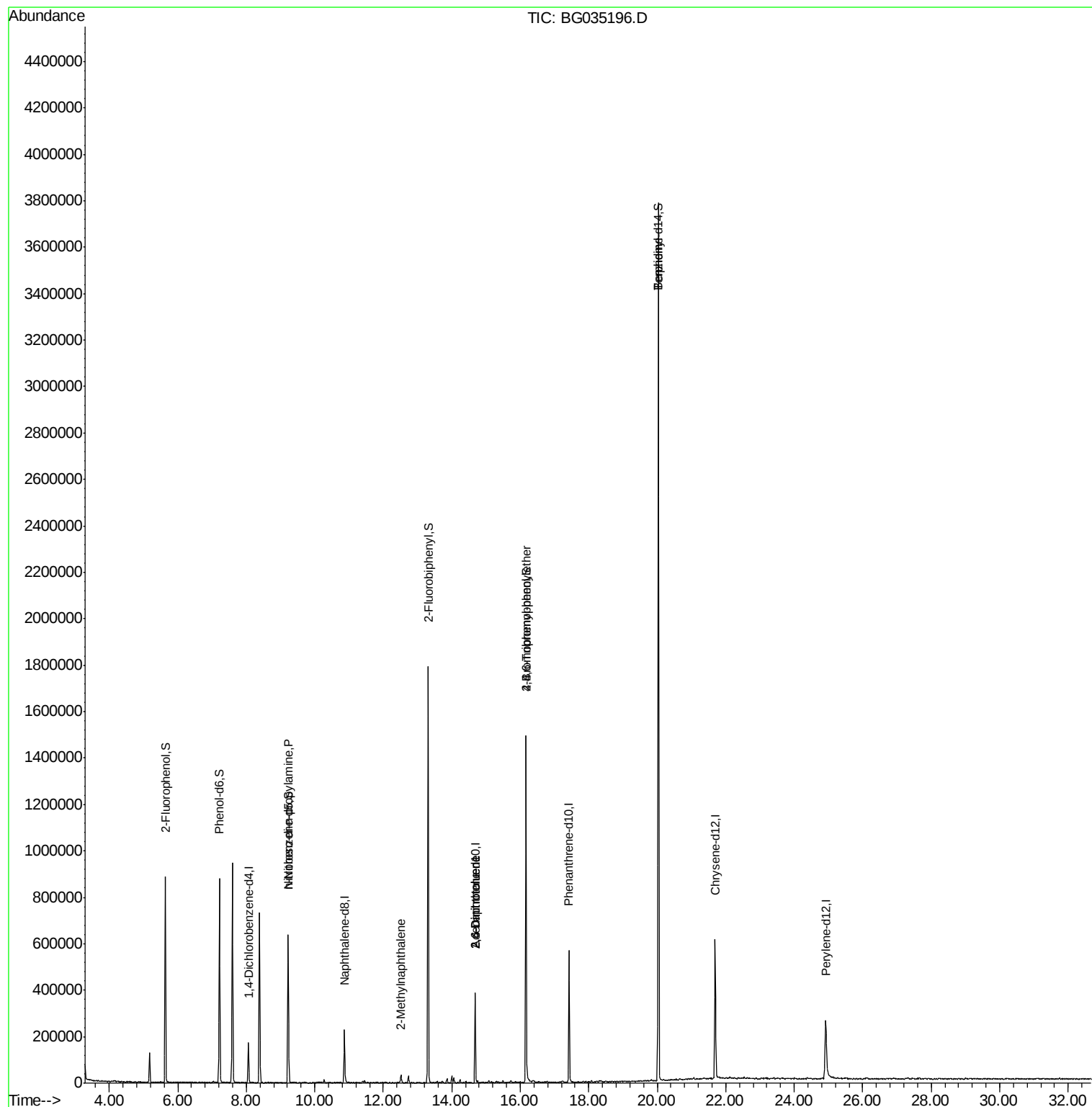
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	48887	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	184954	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	129854	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	367900	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	403393	20.00	ng	-0.02
86) Perylene-d12	24.92	264	337342	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	384784	132.83	ng	0.00
7) Phenol-d6	7.22	99	525885	123.00	ng	0.00
23) Nitrobenzene-d5	9.22	82	420437	108.05	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	280918	168.99	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	955790	95.69	ng	-0.02
78) Terphenyl-d14	20.04	244	1813004	94.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	57349	15.788	ng	# 71
37) 2-Methylnaphthalene	12.51	142	16937	2.325	ng	# 96
50) 2,6-Dinitrotoluene	14.68	165	18242	8.830	ng	# 18
56) 2,4-Dinitrotoluene	14.68	165	18242	6.647	ng	# 16
66) 4-Bromophenyl-phenylether	16.17	248	22648	5.112	ng	# 1
76) Benzidine	20.04	184	30492	2.032	ng	# 88

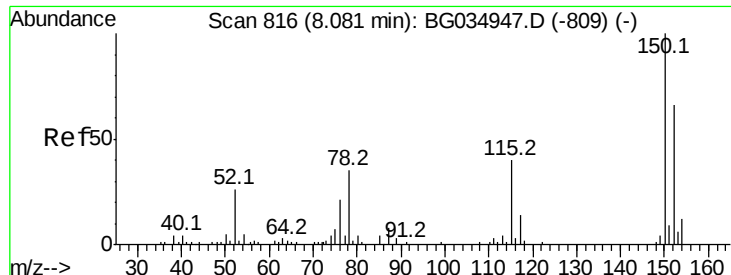
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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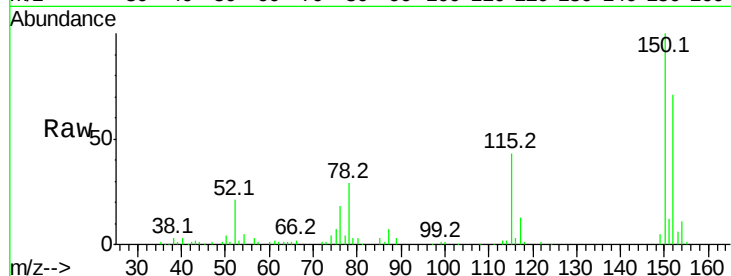


#1

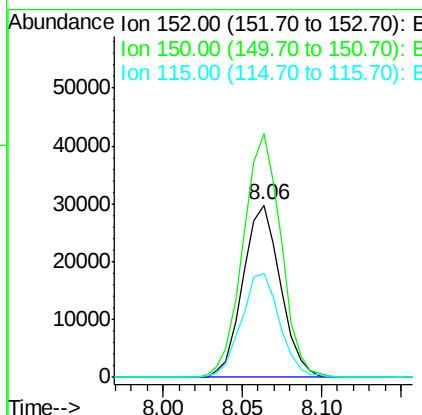
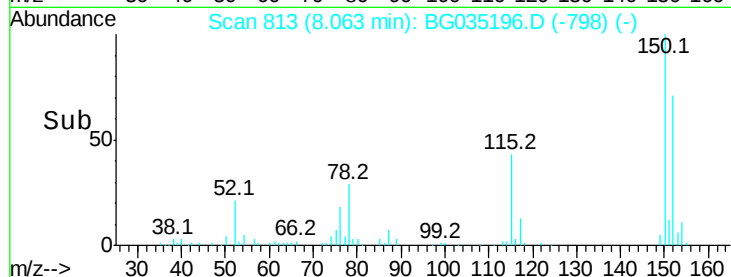
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035196.D
Acq: 16 Jun 2018 7:19

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.2	126.6	189.8
115	60.5	53.0	79.4



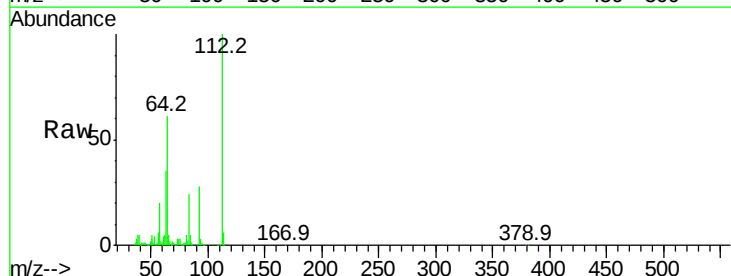
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



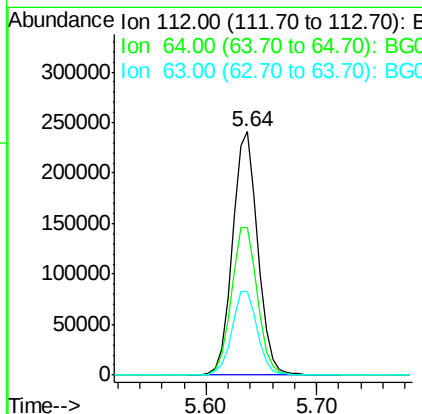
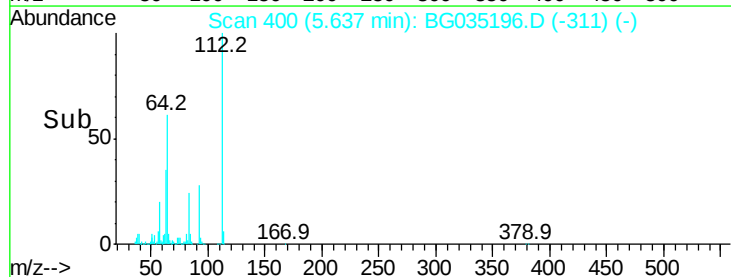
#5

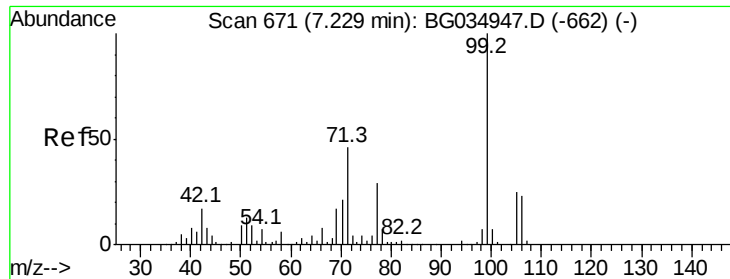
2-Fluorophenol
Concen: 132.830 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035196.D
Acq: 16 Jun 2018 7:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	56.3	84.5
63	34.6	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: 122.999 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Instrument :

BNA_G

ClientSampleId :

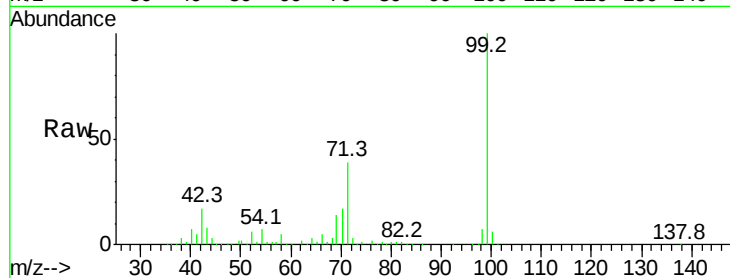
Tot Ion: 99 Resp: 525885

Ion Ratio Lower Upper

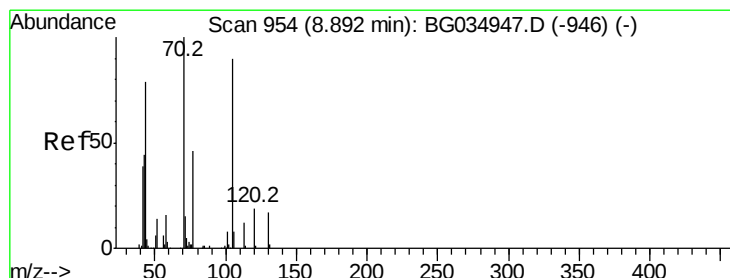
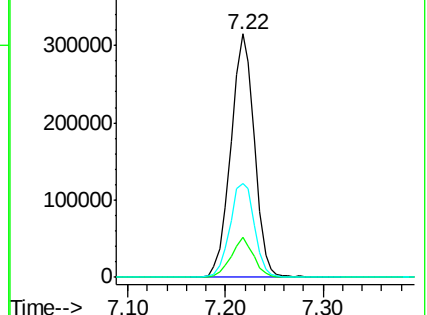
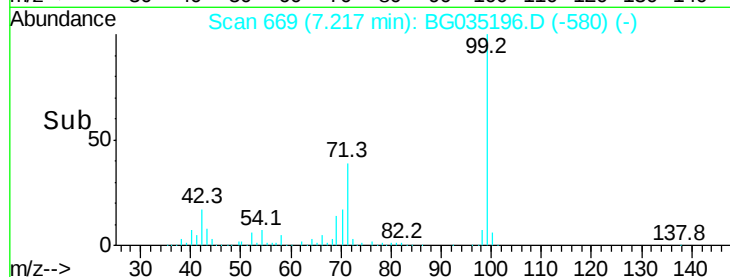
99 100

42 16.6 14.1 21.1

71 38.6 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: 15.788 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Tgt Ion: 70 Resp: 57349

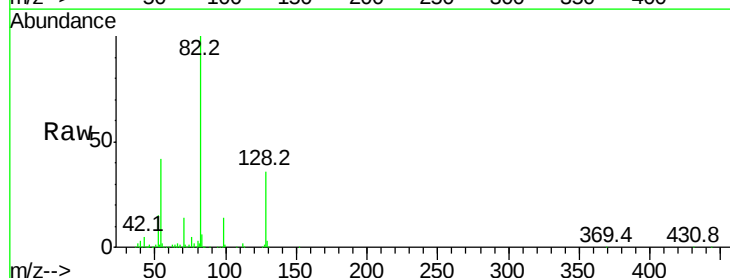
Ion Ratio Lower Upper

70 100

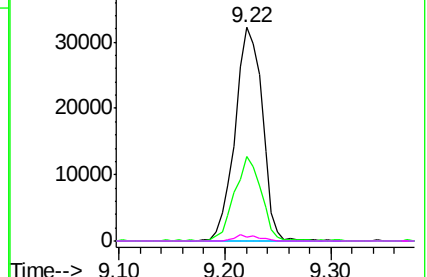
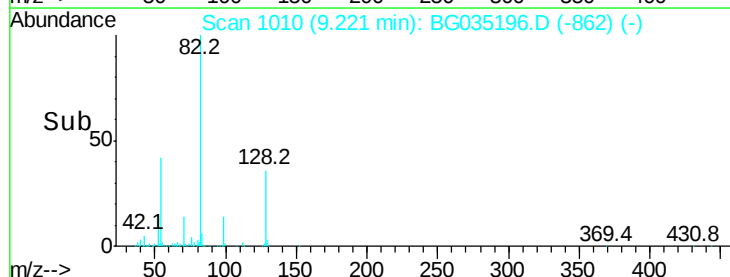
42 39.7 49.1 73.7#

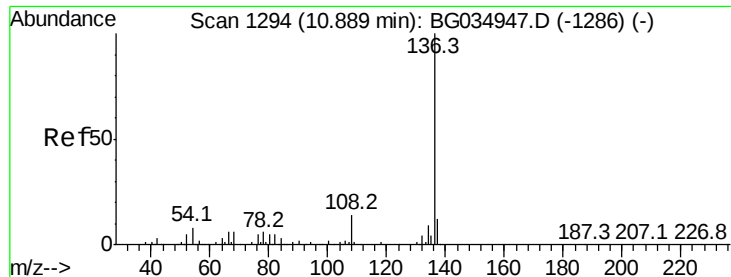
101 0.0 8.5 12.7#

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

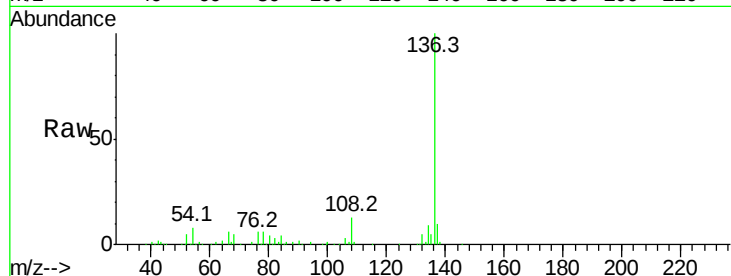




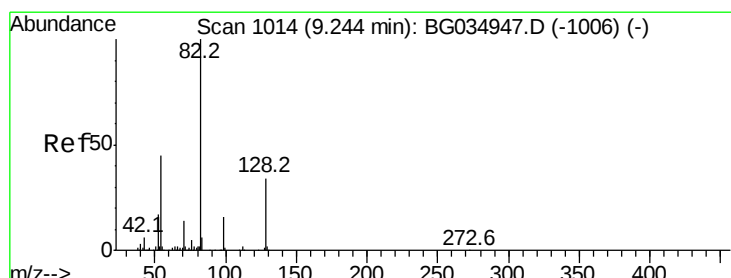
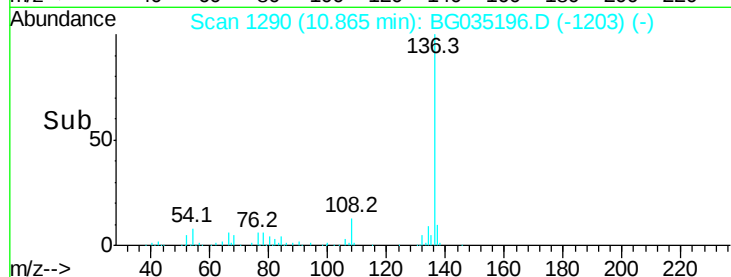
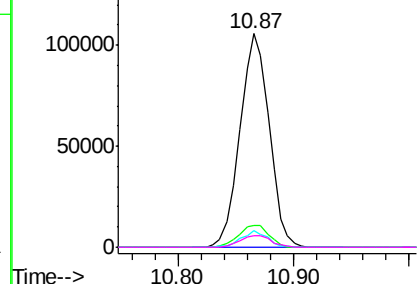
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035196.D
Acq: 16 Jun 2018 7:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	184954
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	7.5	10.3	15.5#
68	5.4	4.5	6.7

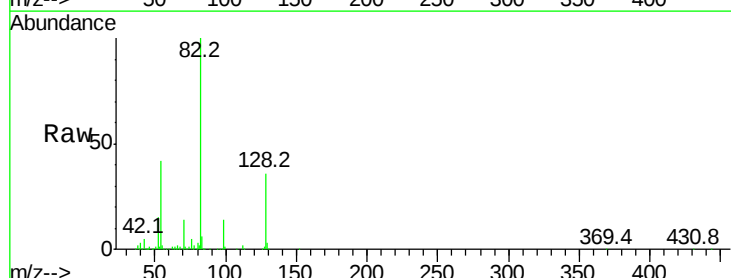


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

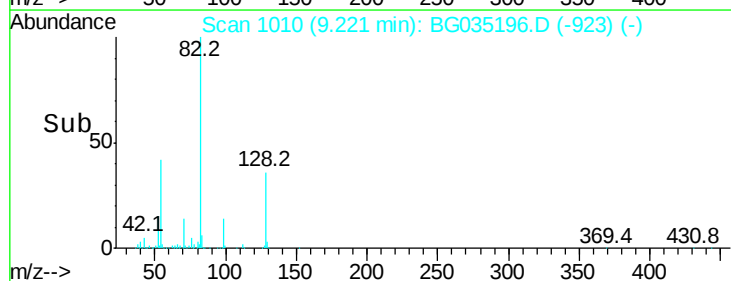
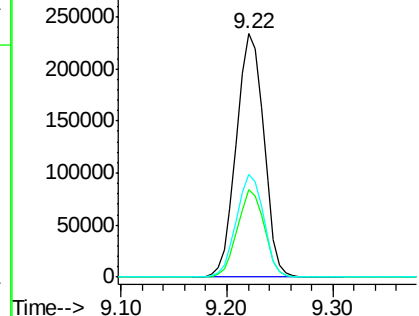


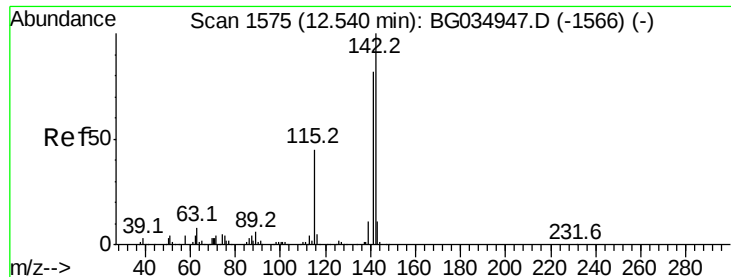
#23
Nitrobenzene-d5
Concen: 108.055 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035196.D
Acq: 16 Jun 2018 7:19

Tgt Ion:	82	Resp:	420437
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.7	44.5
54	42.1	43.1	64.7#



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





#37

2-Methylnaphthalene

Concen: 2.325 ng

RT: 12.51 min Scan# 1570

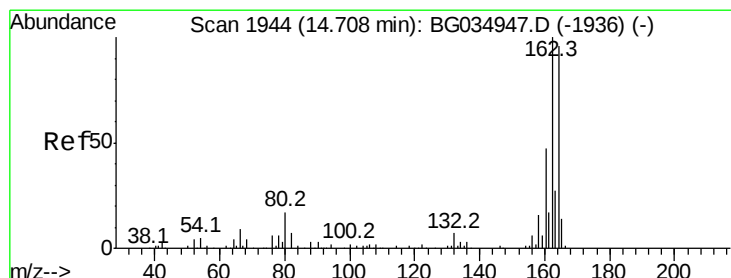
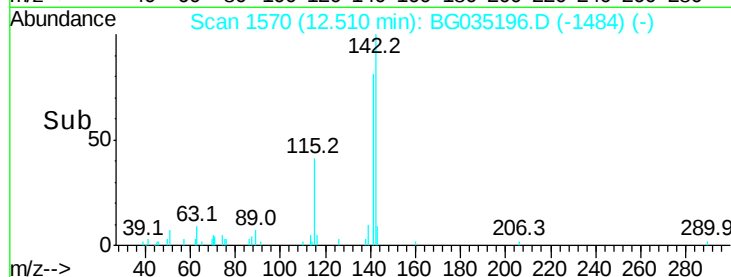
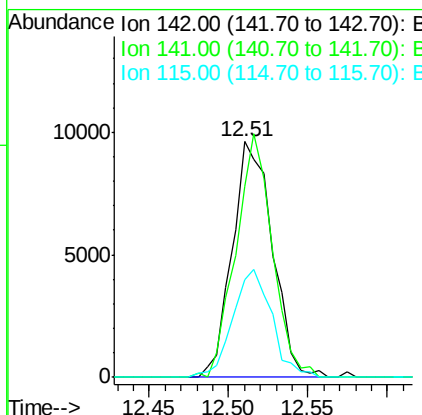
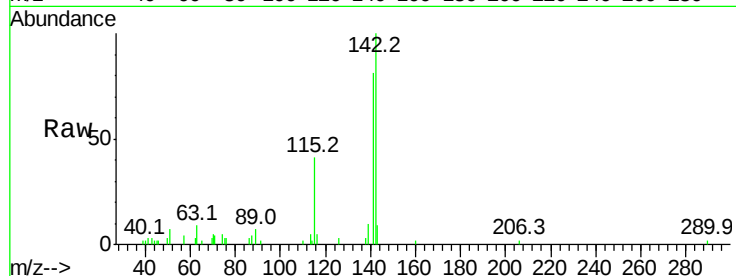
Delta R.T. -0.02 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.0	67.1	100.7
115	41.4	30.7	46.1



#38

Acenaphthene-d10

Concen: 20.000 ng

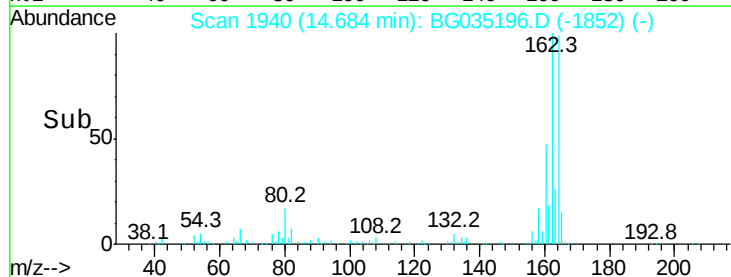
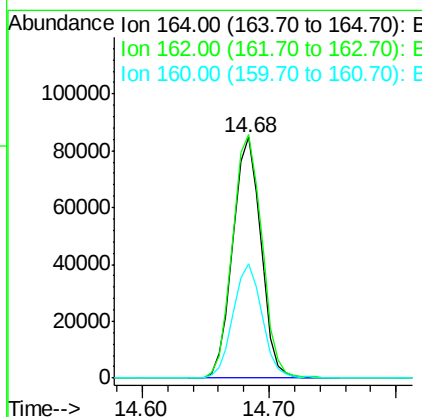
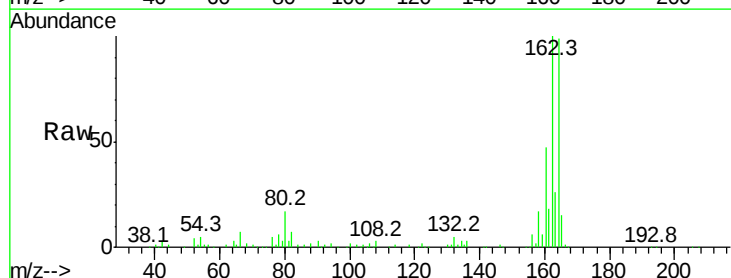
RT: 14.68 min Scan# 1940

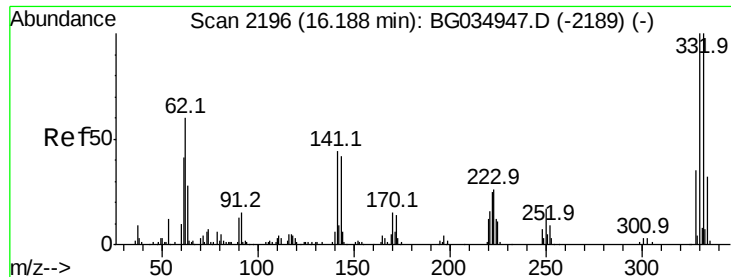
Delta R.T. -0.01 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	78.8	118.2
160	47.6	35.4	53.0

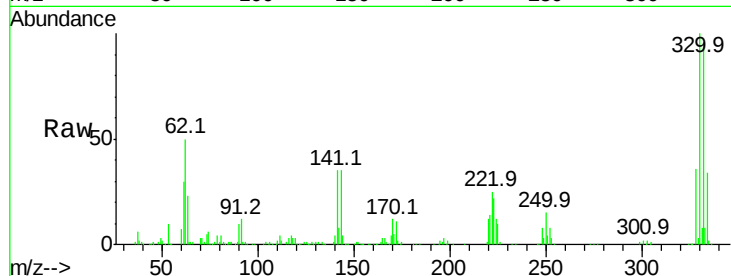




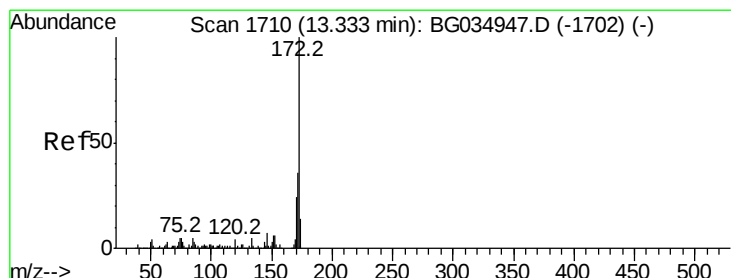
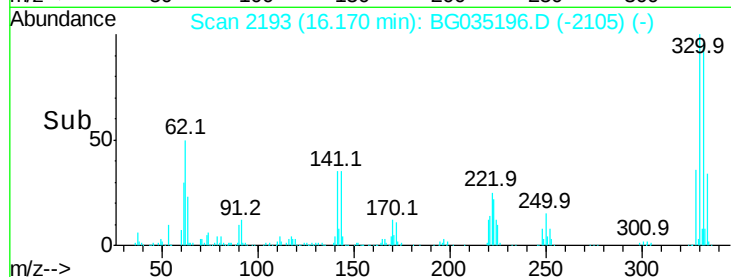
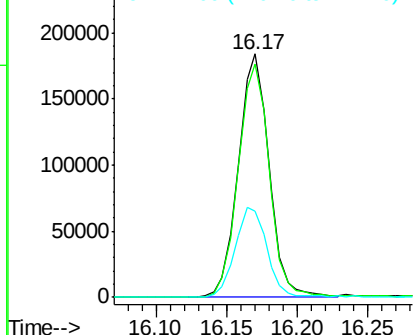
#41
 2,4,6-Tribromophenol
 Concen: 168.994 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	37.9	25.2	37.8#

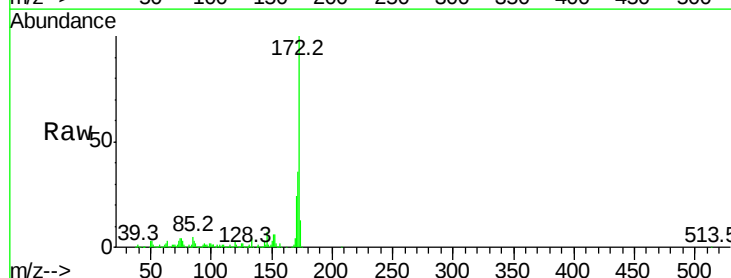


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

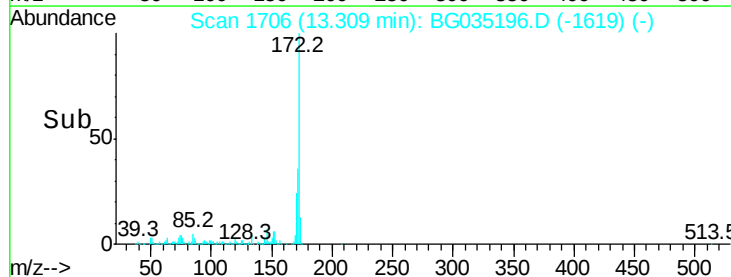
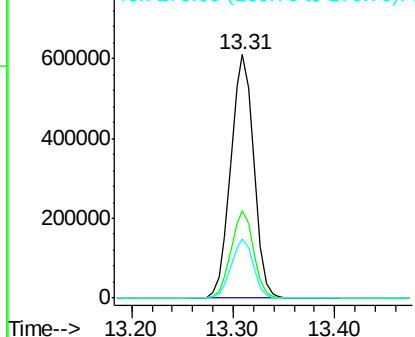


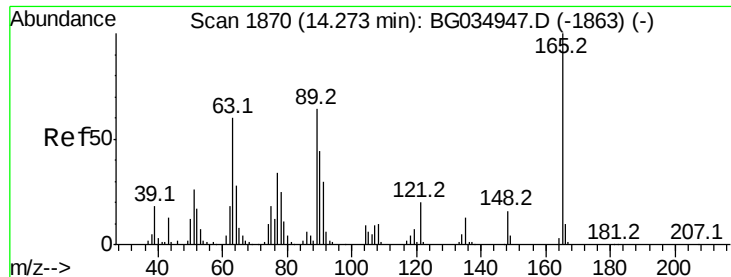
#44
 2-Fluorobiphenyl
 Concen: 95.686 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.0	45.0
170	24.1	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

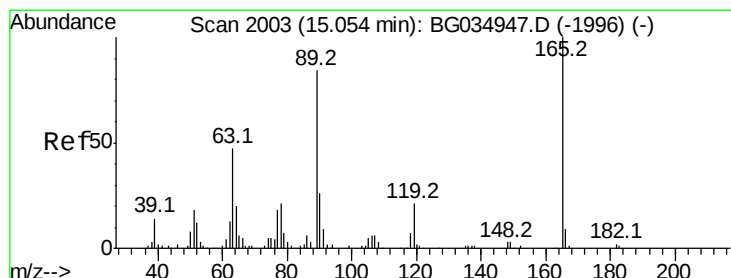
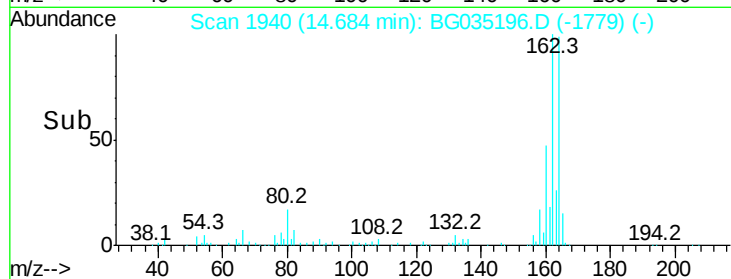
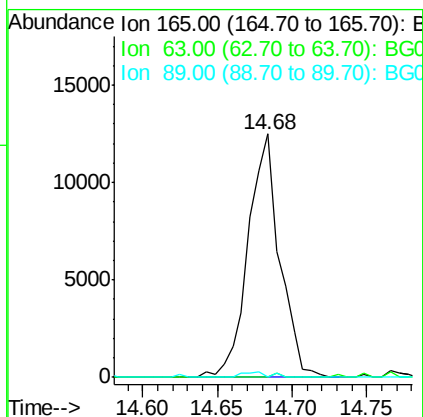
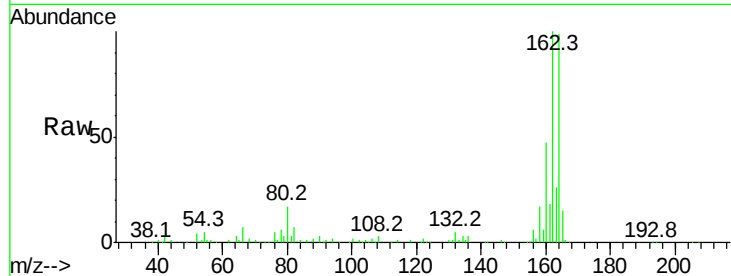




#50
 2,6-Dinitrotoluene
 Concen: 8.830 ng
 RT: 14.68 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

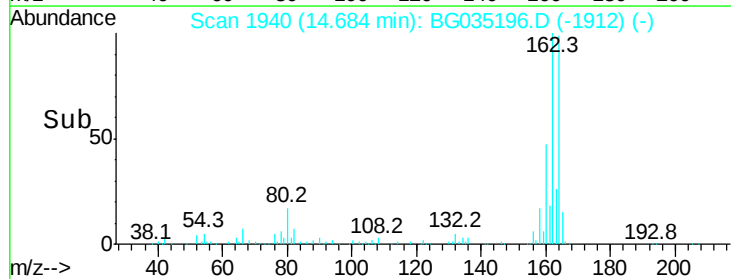
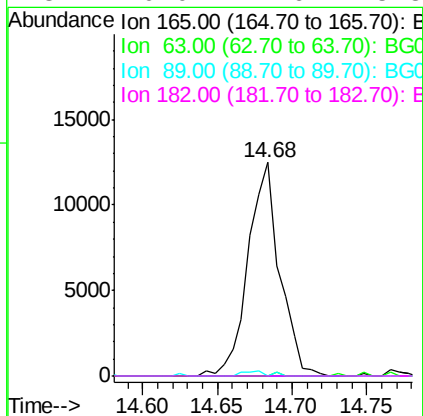
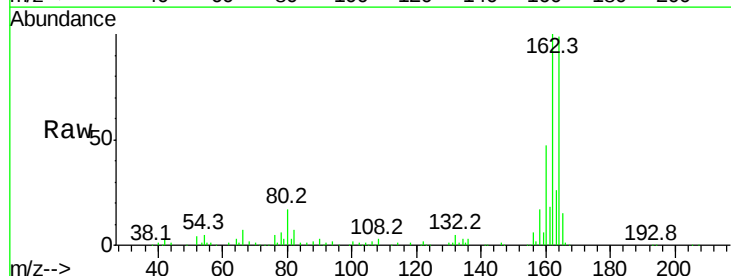
Instrument :
 BNA_G
 ClientSampleId :

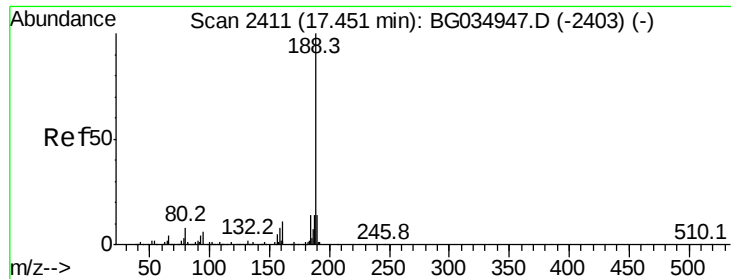
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.647 ng
 RT: 14.68 min Scan# 1940
 Delta R.T. -0.37 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

Tgt 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#

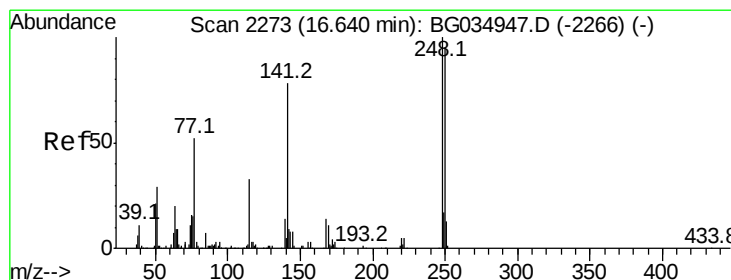
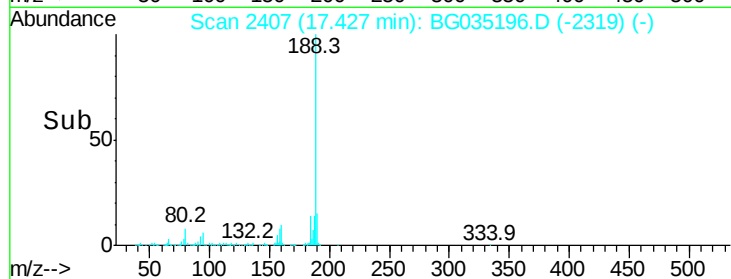
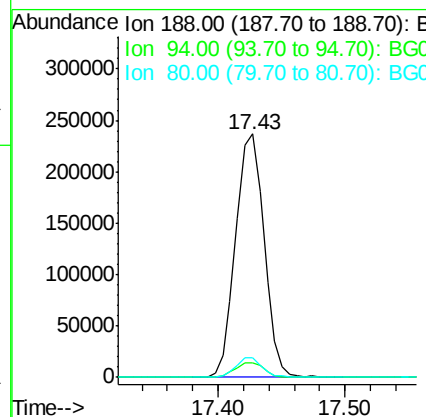
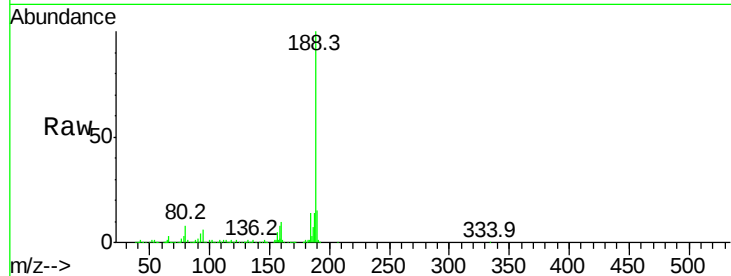




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

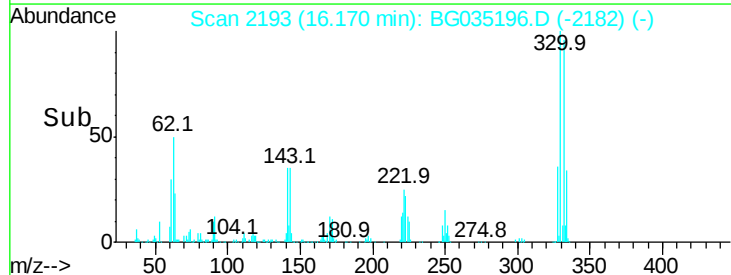
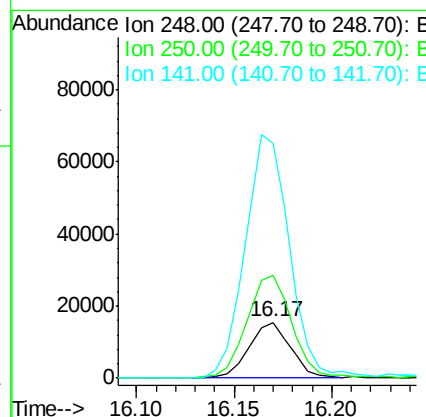
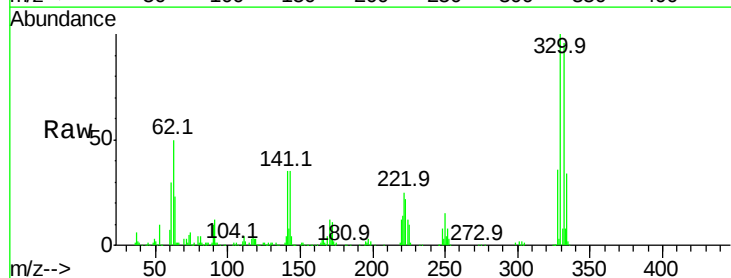
Instrument :
 BNA_G
 ClientSampleId :

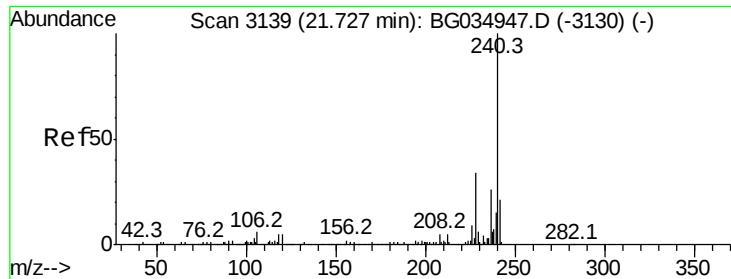
Tot Ion:188 Resp: 367900
 Ion Ratio Lower Upper
 188 100
 94 5.9 6.9 10.3#
 80 8.1 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 5.112 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.47 min
 Lab File: BG035196.D
 Acq: 16 Jun 2018 7:19

Tgt Ion:248 Resp: 22648
 Ion Ratio Lower Upper
 248 100
 250 184.5 77.1 115.7#
 141 421.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Instrument :

BNA_G

ClientSampleId :

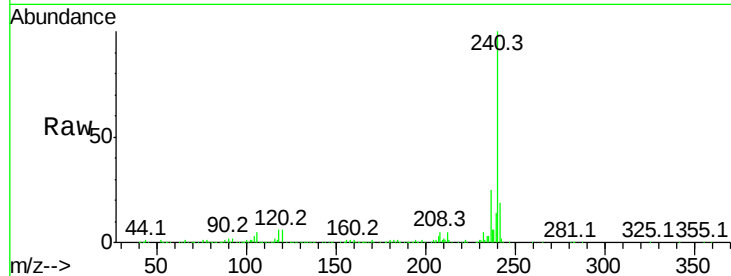
Tot Ion:240 Resp: 403393

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

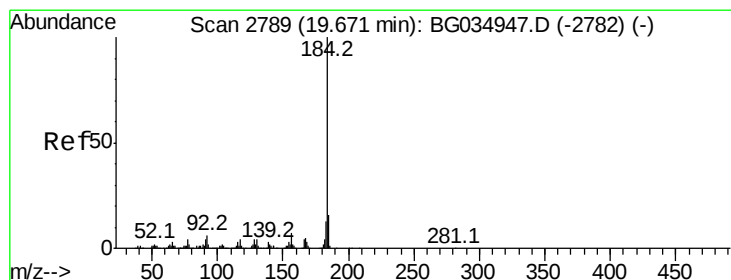
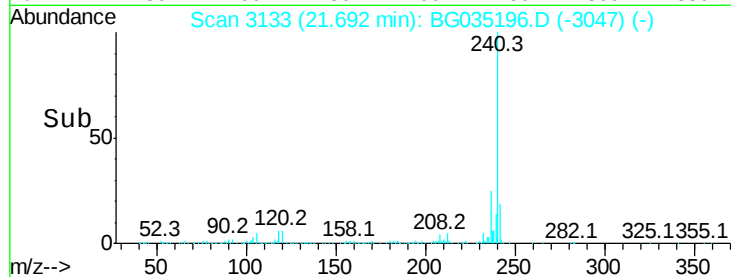
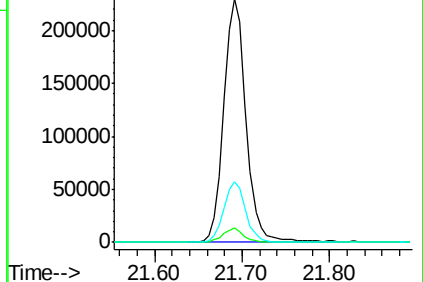
236 25.0 20.9 31.3



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: 2.032 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

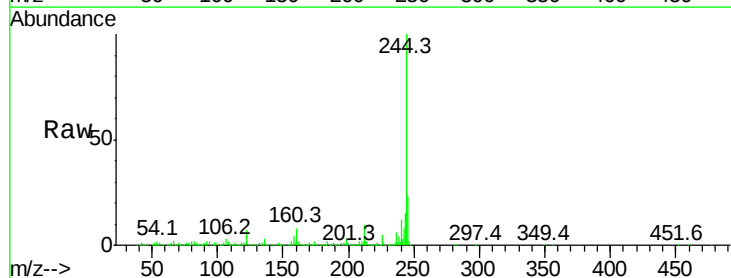
Tgt Ion:184 Resp: 30492

Ion Ratio Lower Upper

184 100

185 21.0 11.1 16.7#

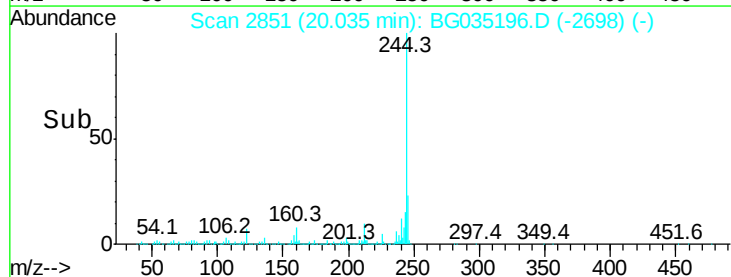
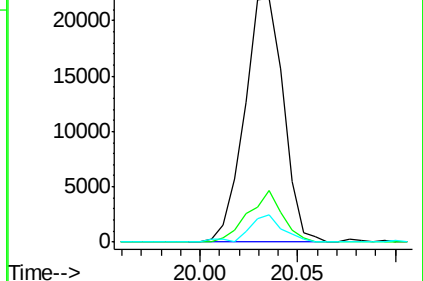
183 11.1 10.6 16.0

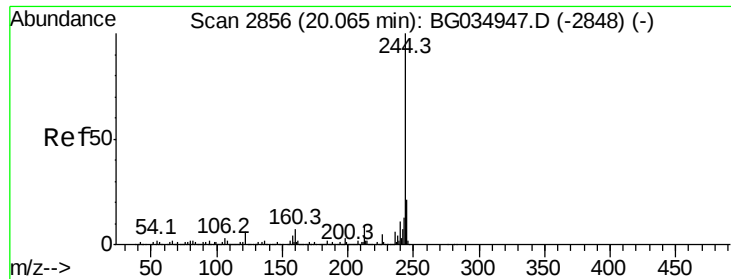


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.143 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

Instrument :

BNA_G

ClientSampleId :

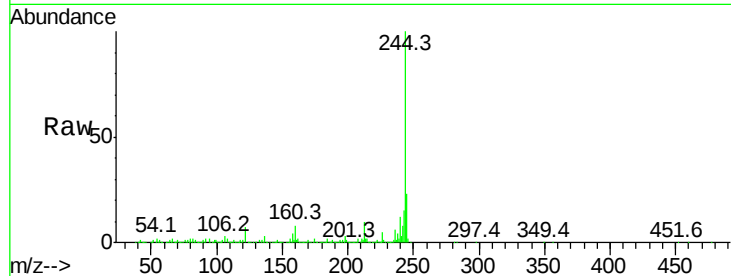
Tot Ion:244 Resp: 1813004

Ion Ratio Lower Upper

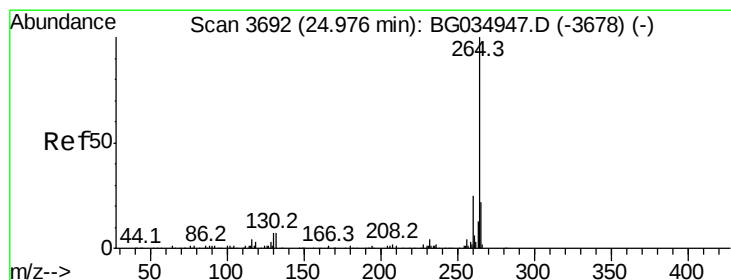
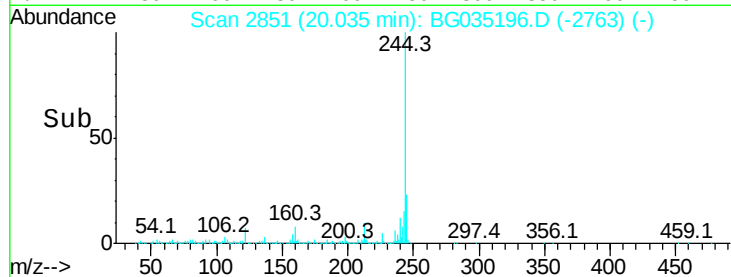
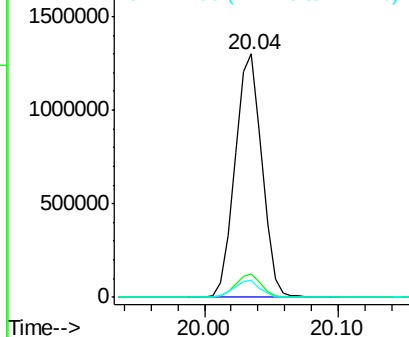
244 100

212 9.6 5.8 8.8#

122 6.7 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3683

Delta R.T. -0.03 min

Lab File: BG035196.D

Acq: 16 Jun 2018 7:19

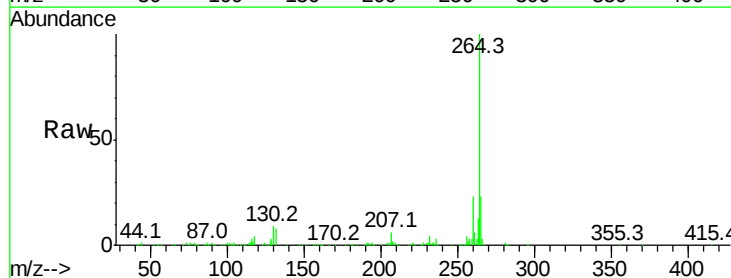
Tgt Ion:264 Resp: 337342

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.9 17.7 26.5



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

