

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035283.D
 Acq On : 21 Jun 2018 3:21
 Operator : SJ/JU
 Sample : J3245-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 04:00:02 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

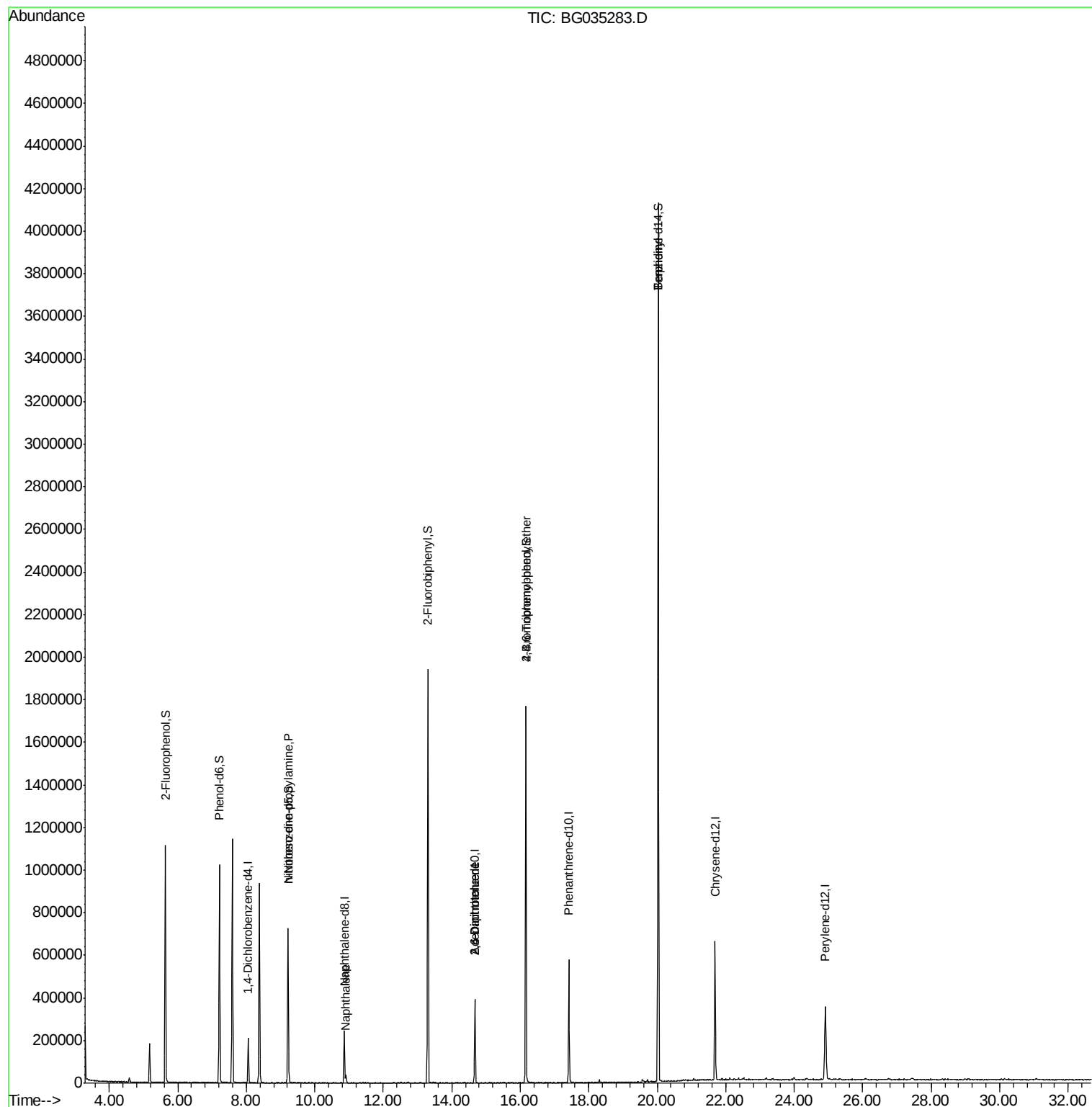
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58353	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	204283	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	135086	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	370777	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	414251	20.00	ng	-0.03
86) Perylene-d12	24.91	264	402972	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	480965	139.10	ng	0.00
7) Phenol-d6	7.22	99	613821	120.28	ng	0.00
23) Nitrobenzene-d5	9.22	82	476712	110.93	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	322580	186.54	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1055449	101.57	ng	-0.02
78) Terphenyl-d14	20.03	244	1943261	98.26	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	66245	15.279	ng	# 68
31) Naphthalene	10.91	128	29130	2.745	ng	# 88
50) 2,6-Dinitrotoluene	14.67	165	18829	8.762	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	18829	6.596	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	24541	5.496	ng	# 1
76) Benzidine	20.03	184	34167	2.217	ng	# 90

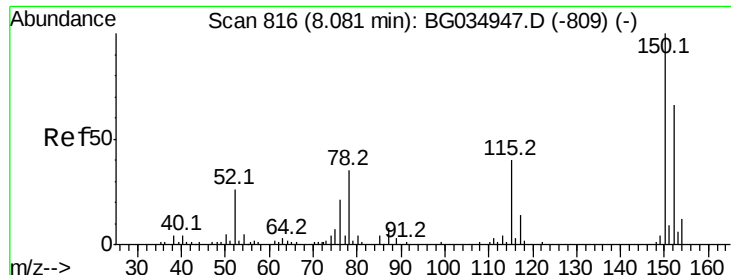
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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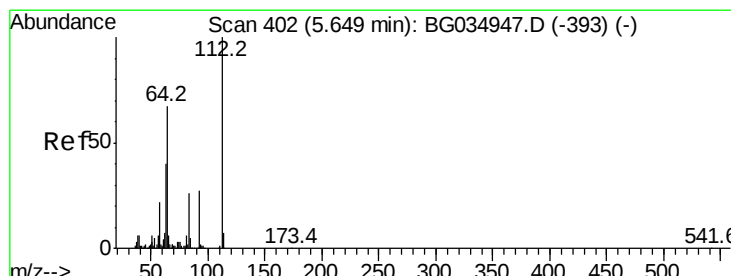
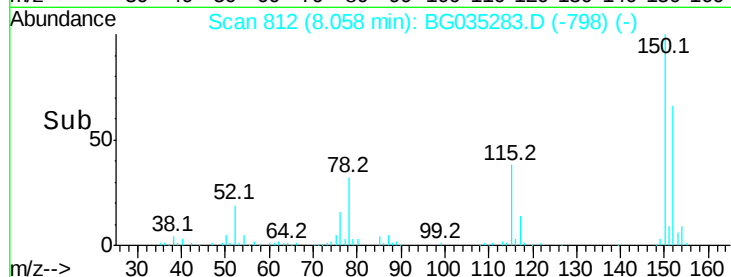
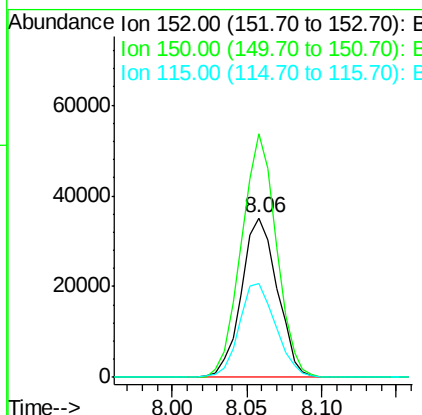
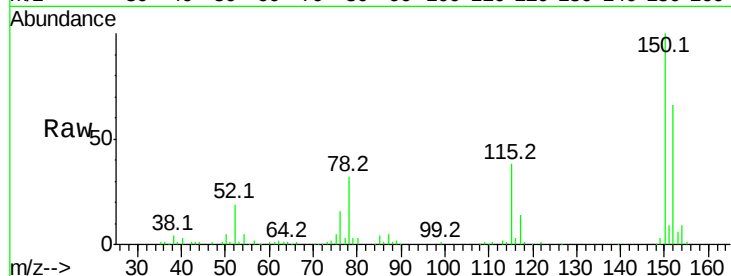


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BG035283.D
 Acq: 21 Jun 2018 3:21

Instrument :
 BNA_G
 ClientSampleId :

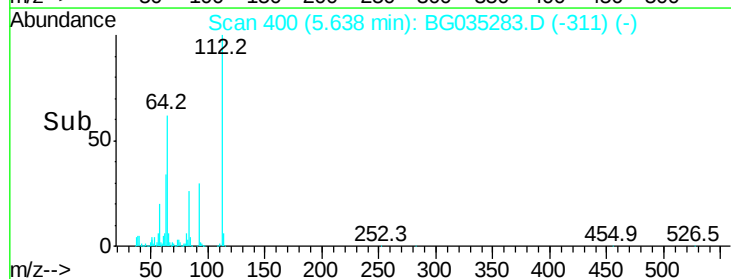
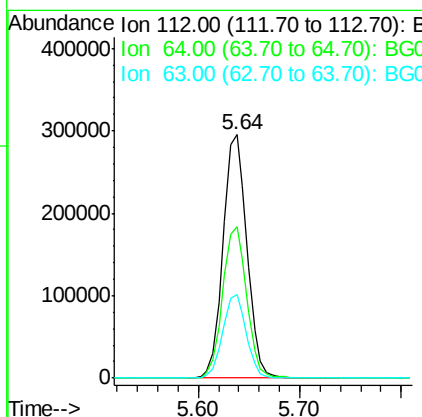
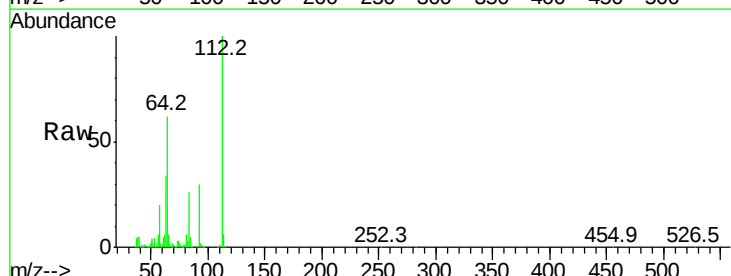
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.6	189.8
115	58.5	53.0	79.4

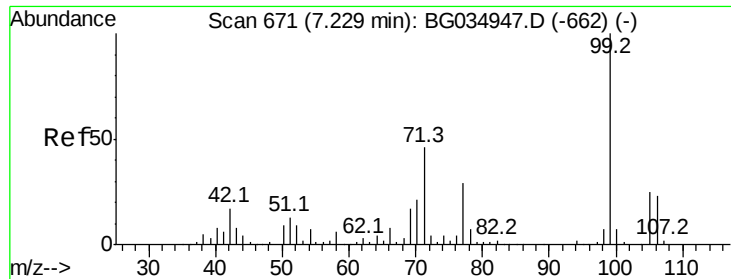


#5

2-Fluorophenol
 Concen: 139.098 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG035283.D
 Acq: 21 Jun 2018 3:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	56.3	84.5
63	34.1	30.1	45.1





#7

Phenol-d6

Concen: 120.277 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

Instrument :

BNA_G

ClientSampled :

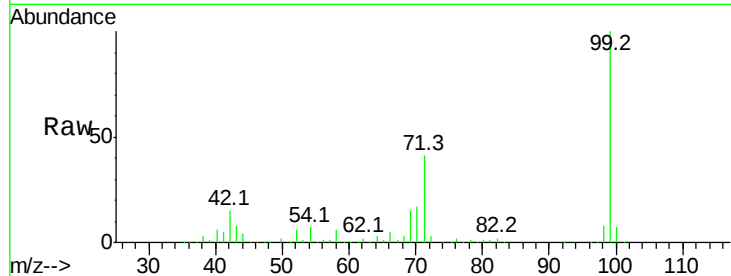
Tot Ion: 99 Resp: 613821

Ion Ratio Lower Upper

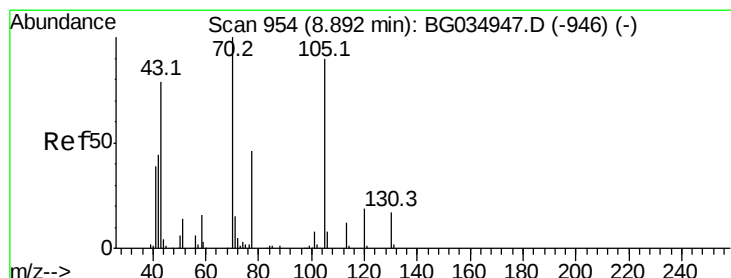
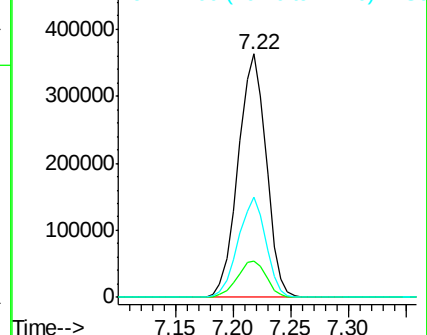
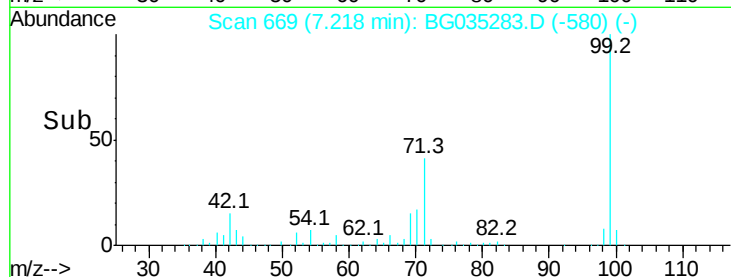
99 100

42 14.7 14.1 21.1

71 41.1 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: 15.279 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

Tgt Ion: 70 Resp: 66245

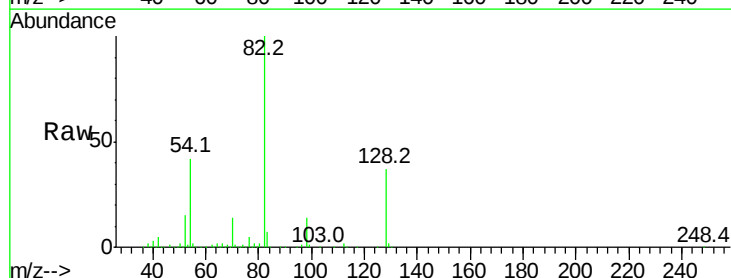
Ion Ratio Lower Upper

70 100

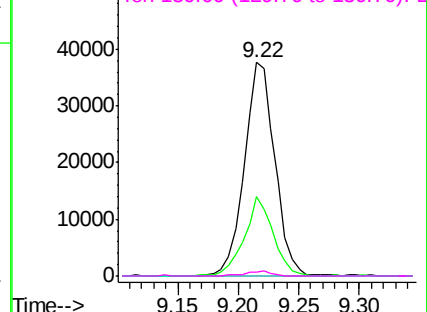
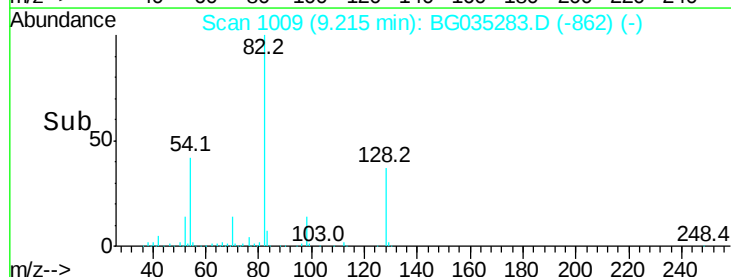
42 37.0 49.1 73.7#

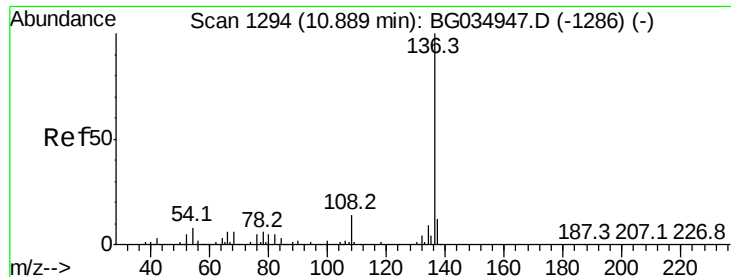
101 0.0 8.5 12.7#

130 1.9 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: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 204283

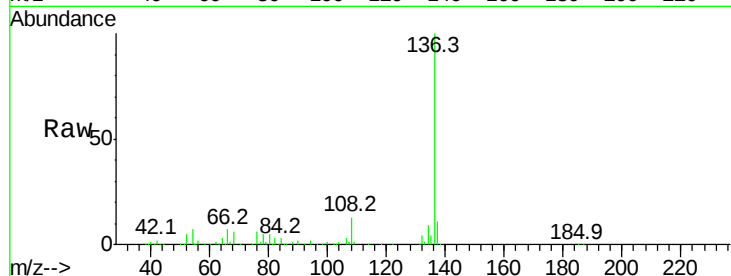
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.1 10.3 15.5#

68 5.7 4.5 6.7



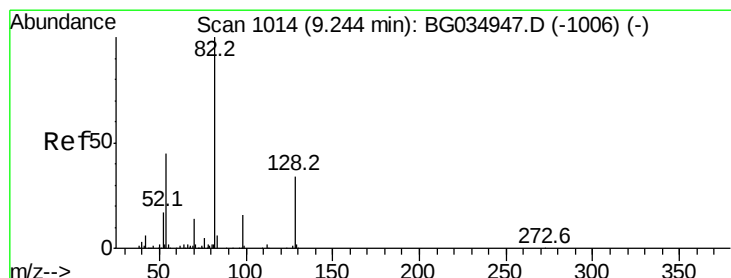
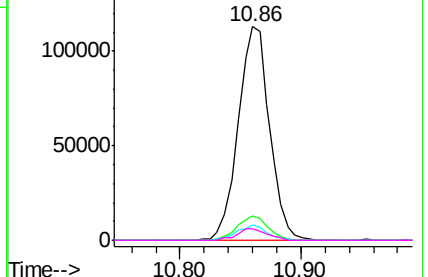
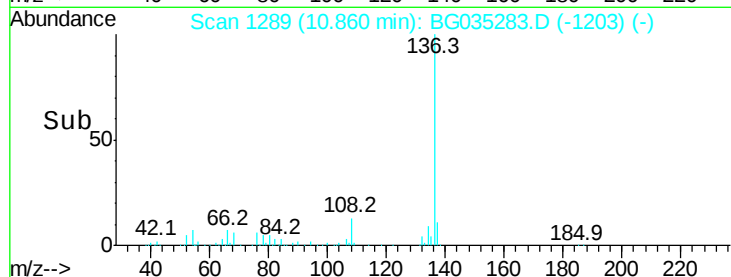
Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B

Time-->



#23

Nitrobenzene-d5

Concen: 110.925 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

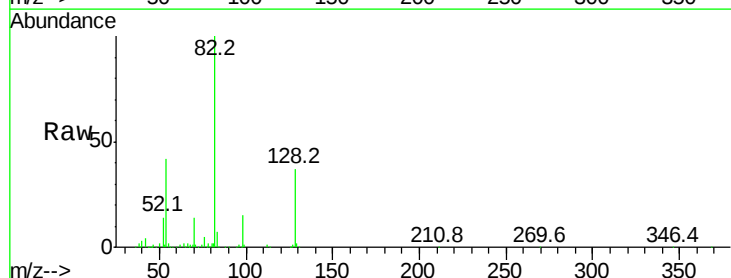
Tgt Ion: 82 Resp: 476712

Ion Ratio Lower Upper

82 100

128 37.1 29.7 44.5

54 42.1 43.1 64.7#

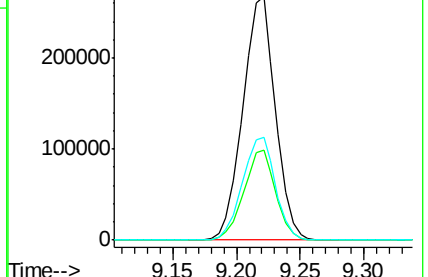
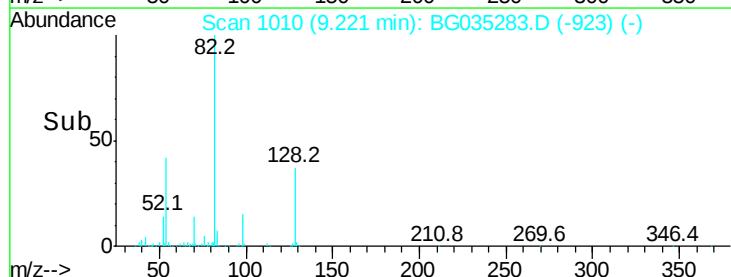


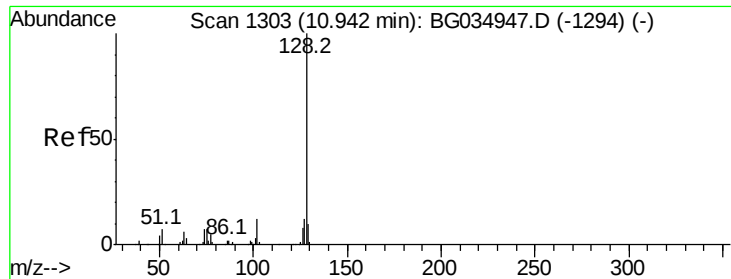
Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

Time-->

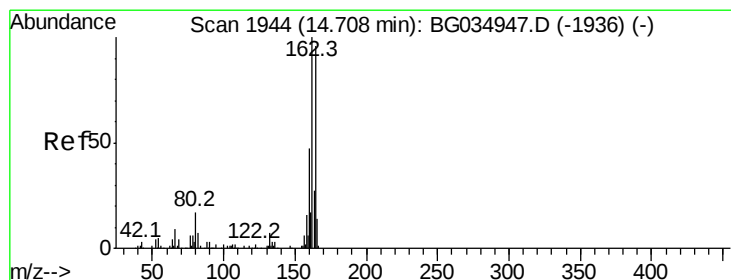
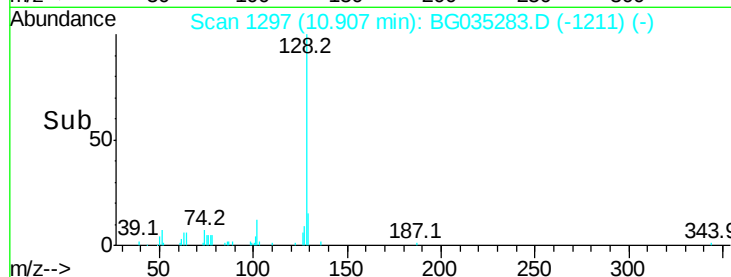
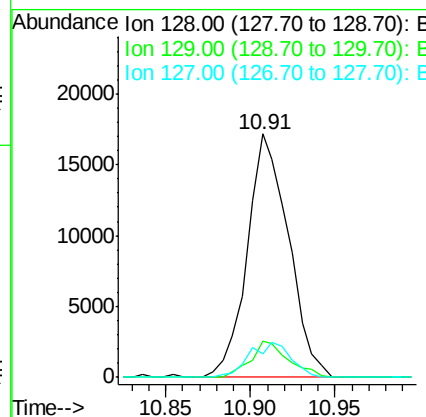
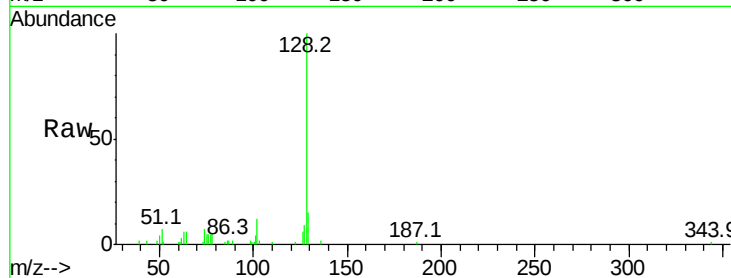




#31
Naphthalene
Concen: 2.745 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

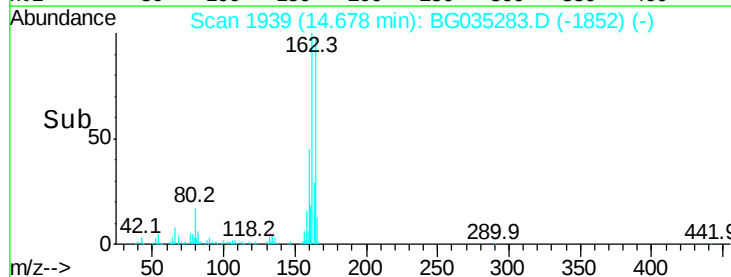
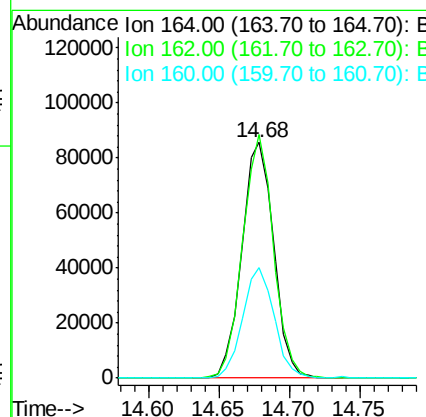
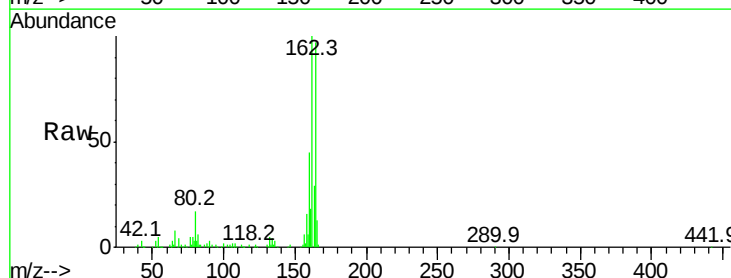
Instrument :
BNA_G
ClientSampleId :

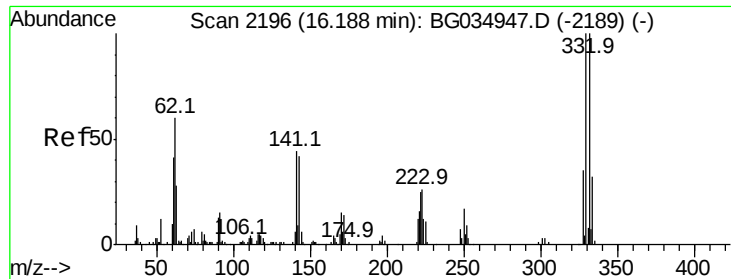
Tot Ion:128 Resp: 29130
Ion Ratio Lower Upper
128 100
129 15.0 8.6 12.8#
127 9.4 11.6 17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.02 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

Tgt Ion:164 Resp: 135086
Ion Ratio Lower Upper
164 100
162 103.3 78.8 118.2
160 47.0 35.4 53.0

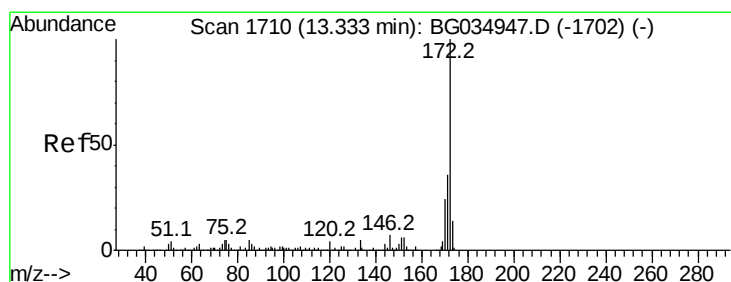
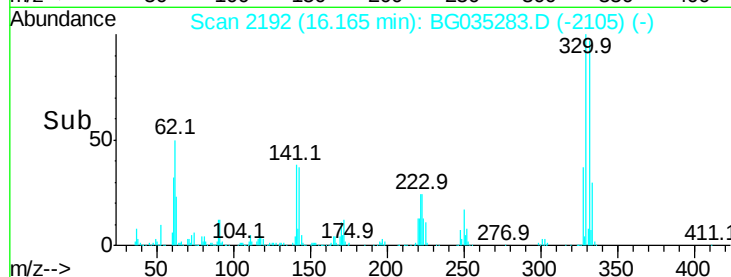
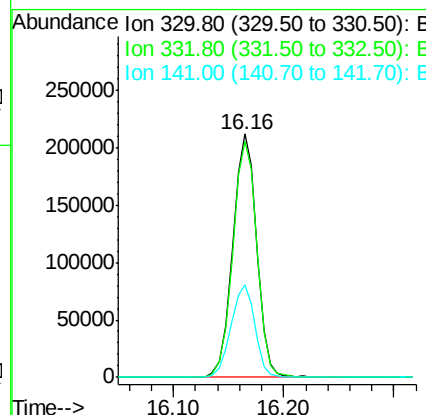
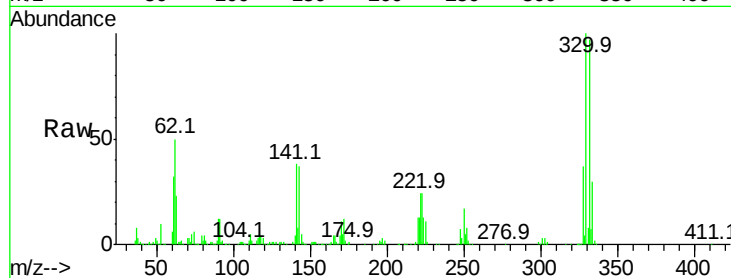




#41
 2,4,6-Tribromophenol
 Concen: 186.541 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035283.D
 Acq: 21 Jun 2018 3:21

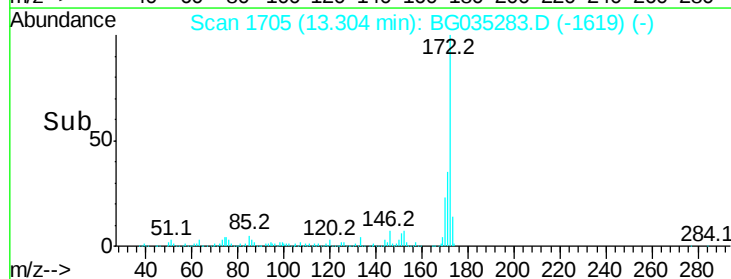
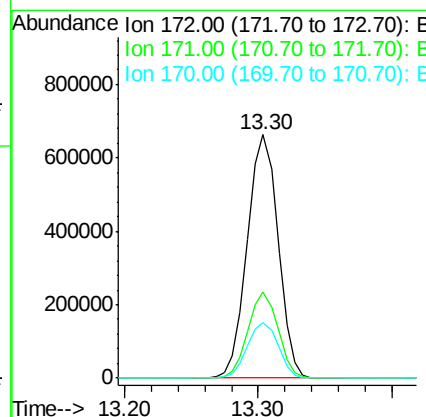
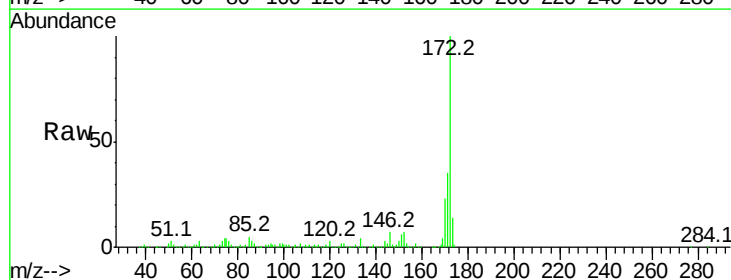
Instrument :
 BNA_G
 ClientSampleId :

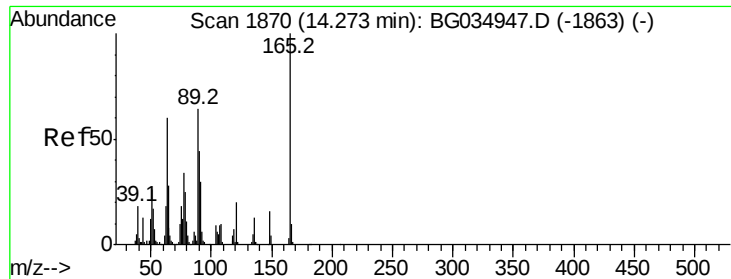
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	38.1	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 101.571 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035283.D
 Acq: 21 Jun 2018 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	22.9	19.5	29.3

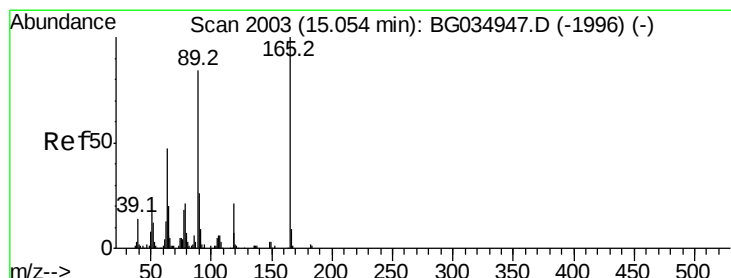
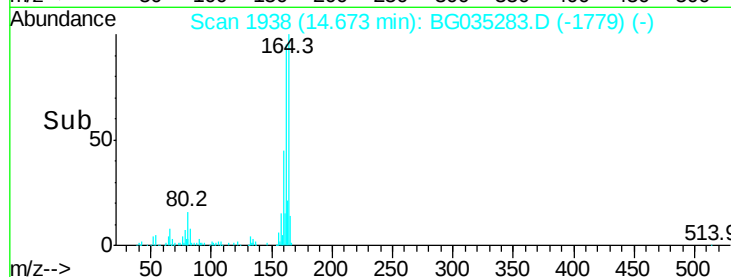
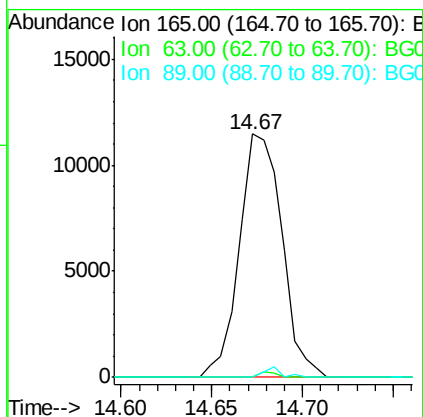
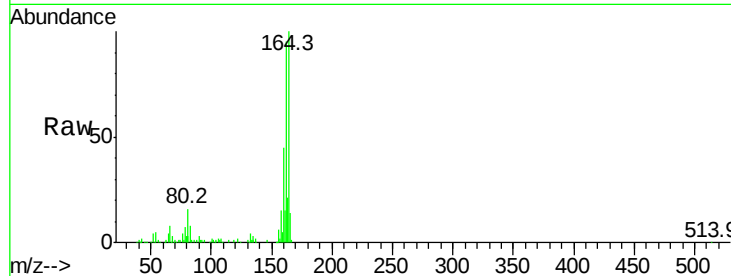




#50
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.40 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

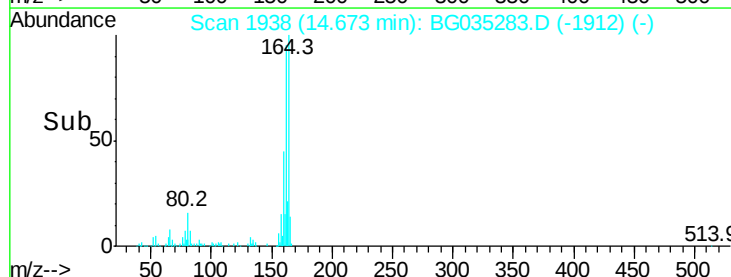
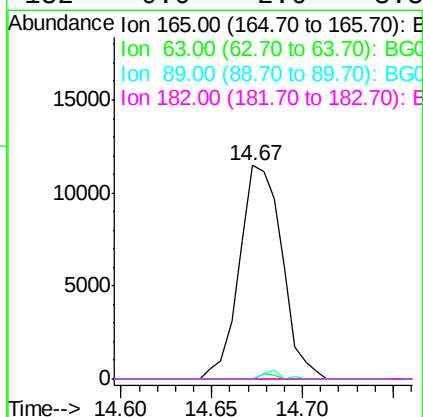
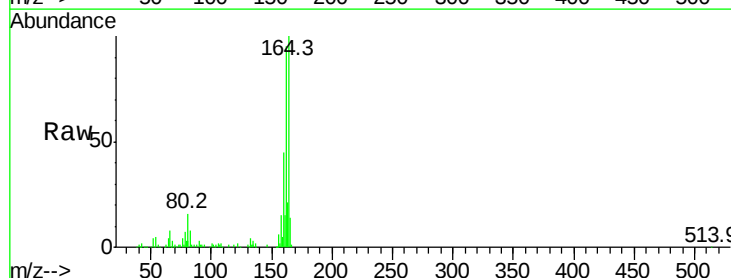
Instrument :
BNA_G
ClientSampleId :

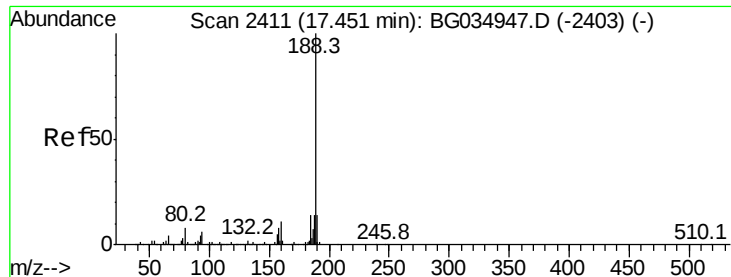
Tot Ion:165 Resp: 18829
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.596 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.38 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

Tgt Ion:165 Resp: 18829
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#

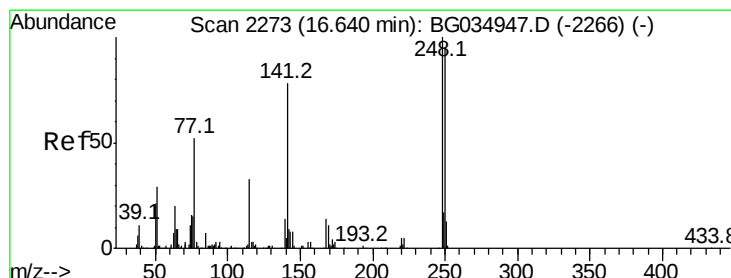
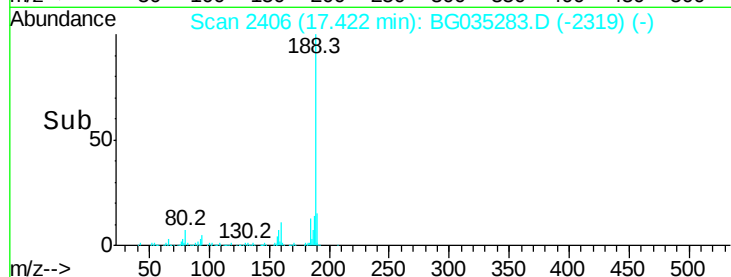
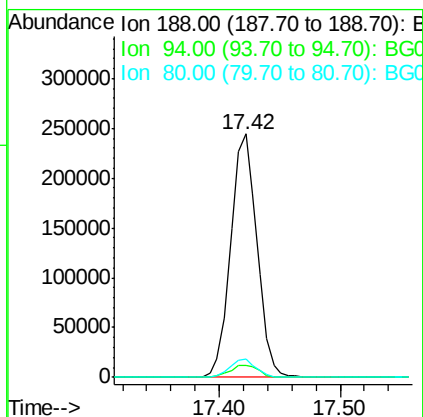
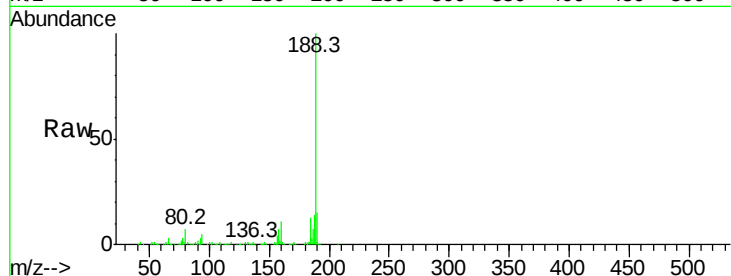




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

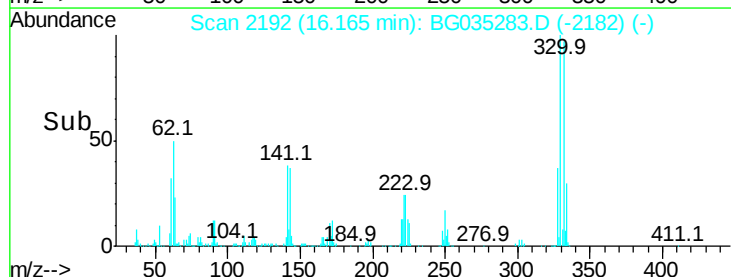
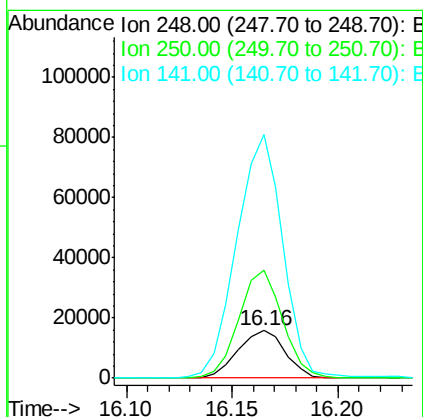
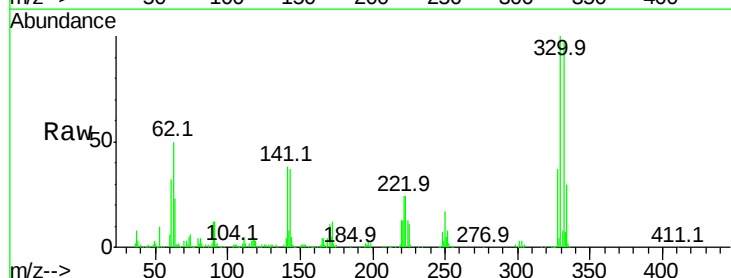
Instrument :
BNA_G
ClientSampleId :

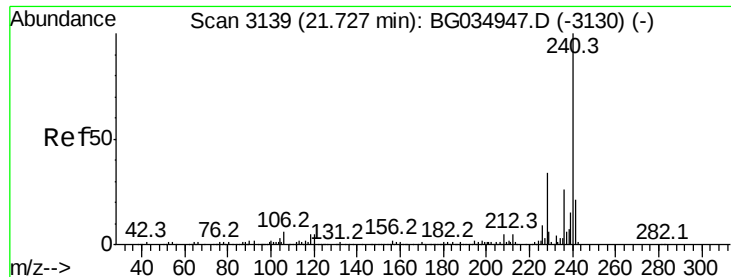
Tot Ion:188 Resp: 370777
Ion Ratio Lower Upper
188 100
94 5.0 6.9 10.3#
80 7.4 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.496 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035283.D
Acq: 21 Jun 2018 3:21

Tgt Ion:248 Resp: 24541
Ion Ratio Lower Upper
248 100
250 226.0 77.1 115.7#
141 510.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

Instrument :

BNA_G

ClientSampleId :

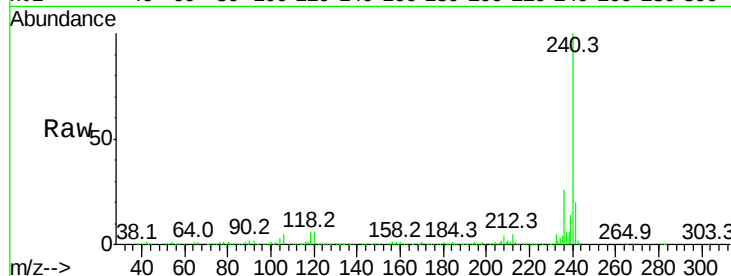
Tot Ion:240 Resp: 414251

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

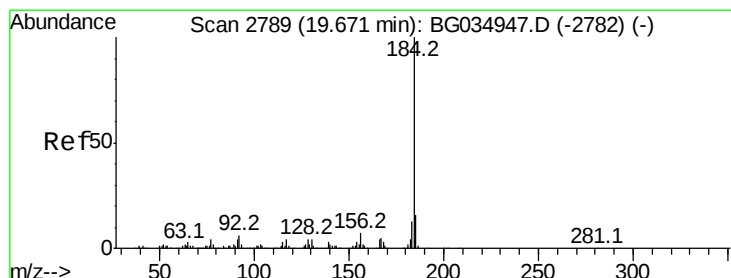
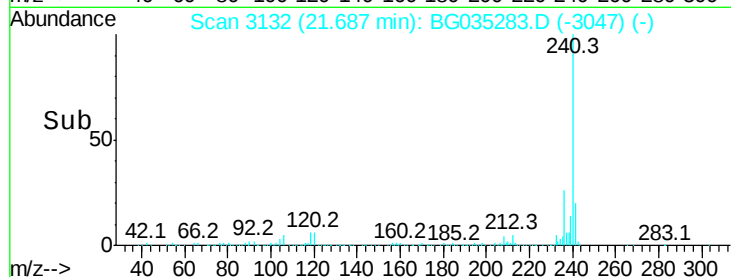
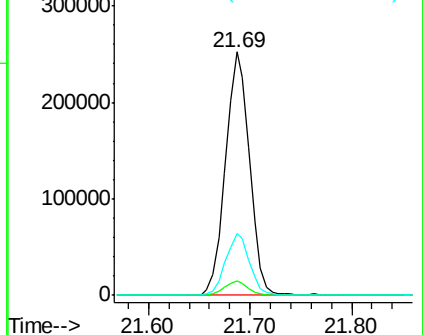
236 25.5 20.9 31.3



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: 2.217 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

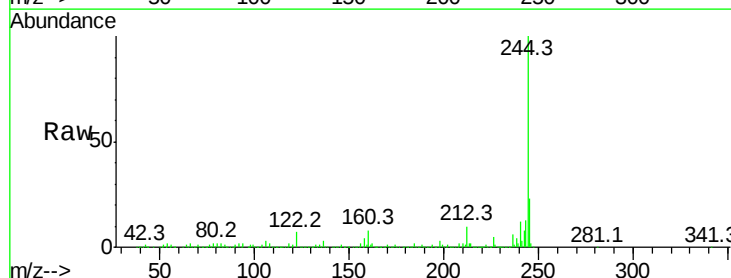
Tgt Ion:184 Resp: 34167

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

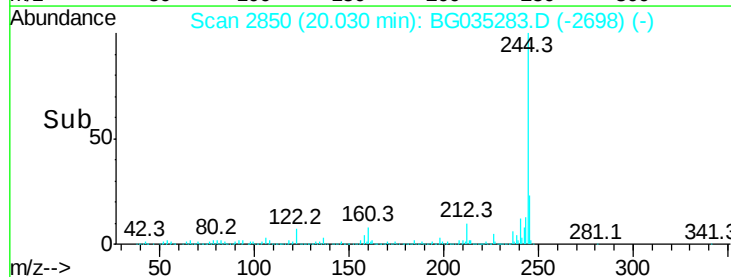
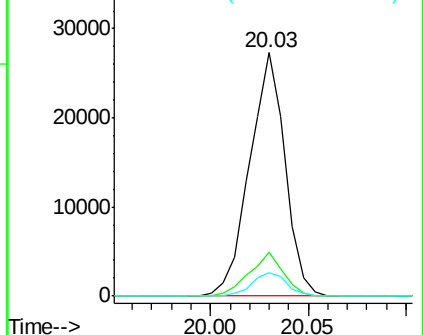
183 9.6 10.6 16.0#

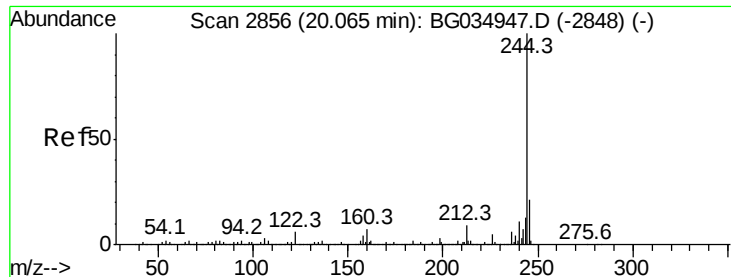


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.262 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

Instrument :

BNA_G

ClientSampleId :

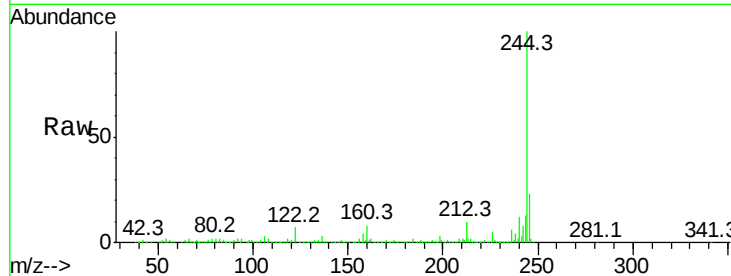
Tot Ion:244 Resp: 1943261

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

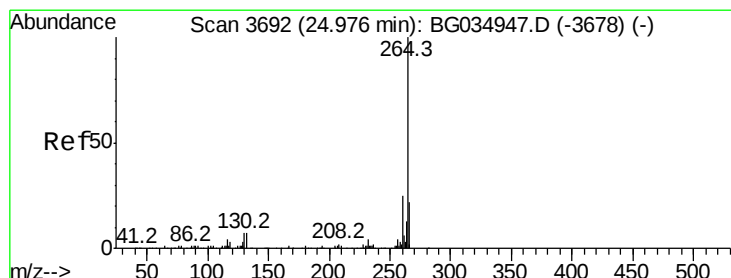
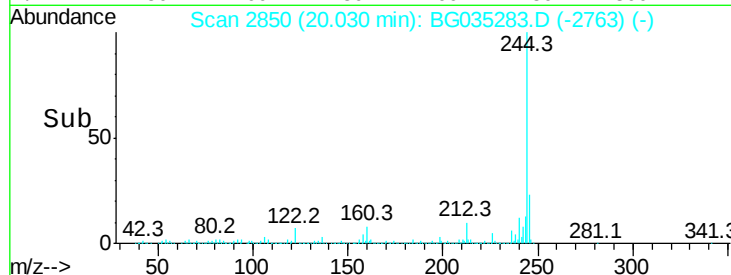
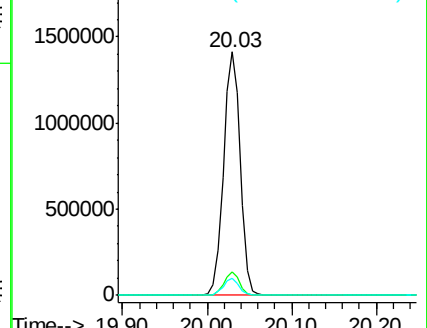
122 7.1 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035283.D

Acq: 21 Jun 2018 3:21

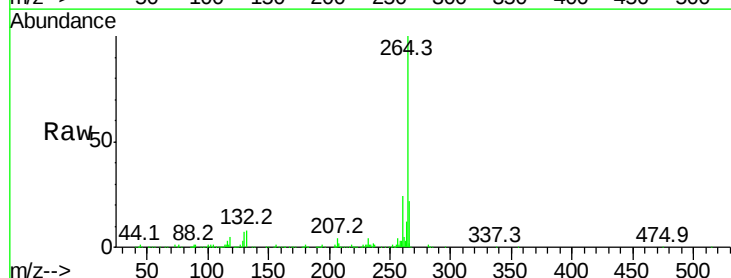
Tgt Ion:264 Resp: 402972

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.6 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

