

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036134.D
 Acq On : 6 Aug 2018 19:25
 Operator : JU/SJ
 Sample : J4313-16RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-12

Quant Time: Aug 07 01:01:50 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 12:30:06 2018
 Response via : Initial Calibration

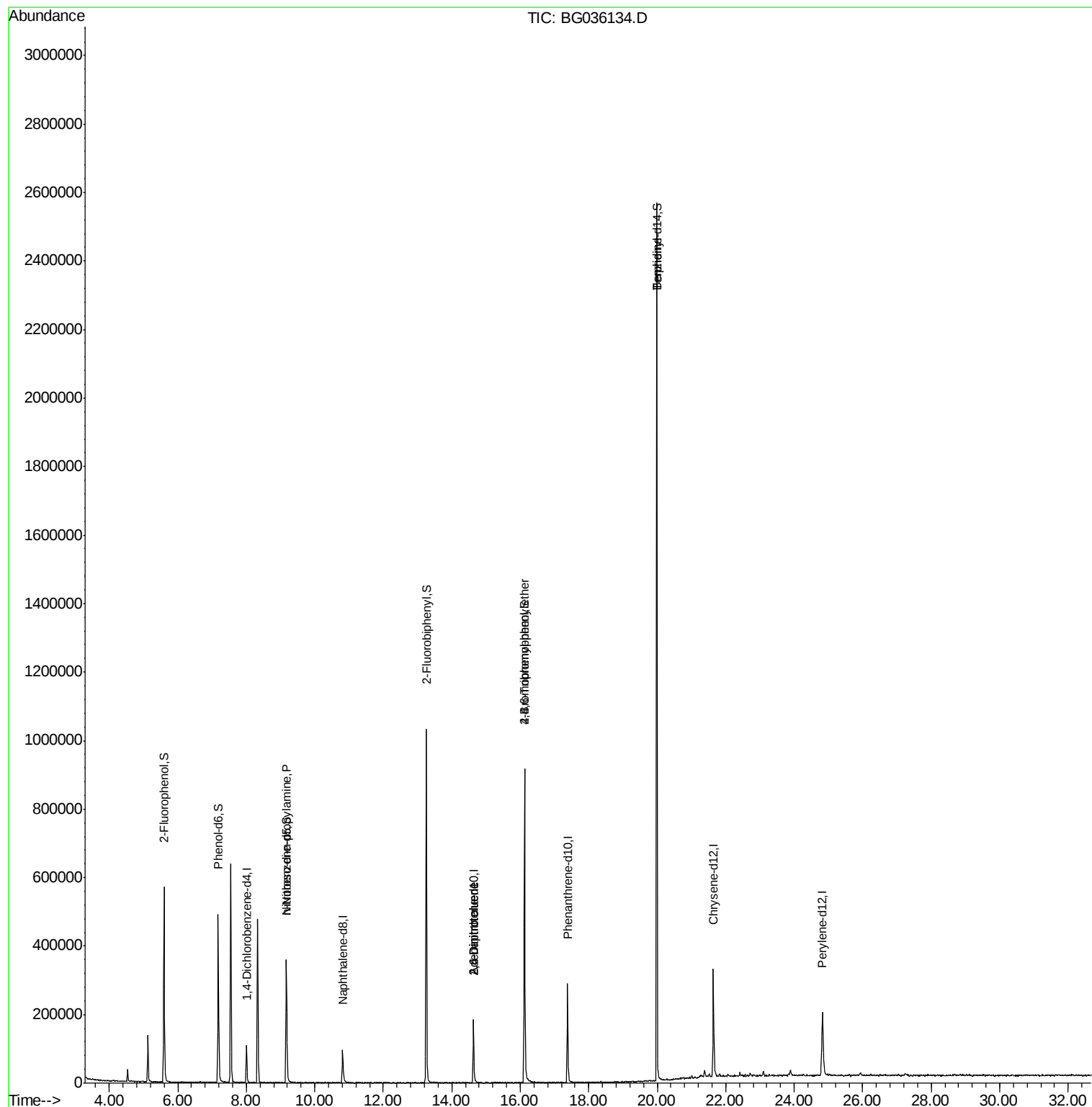
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30470	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	102378	20.00	ng	-0.01
38) Acenaphthene-d10	14.64	164	71352	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	210652	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	238519	20.00	ng	-0.02
86) Perylene-d12	24.82	264	221729	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	254148	138.48	ng	0.00
7) Phenol-d6	7.18	99	317238	115.86	ng	-0.01
23) Nitrobenzene-d5	9.17	82	260432	106.27	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	191141	203.24	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	594292	111.59	ng	-0.02
78) Terphenyl-d14	19.99	244	1284203	118.68	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	37286	16.170	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	9298	7.304	ng	# 22
56) 2,4-Dinitrotoluene	14.64	165	9298	5.091	ng	# 20
66) 4-Bromophenyl-phenylether	16.13	248	15312	6.265	ng	# 1
76) Benzidine	19.98	184	23535	3.753	ng	# 92

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

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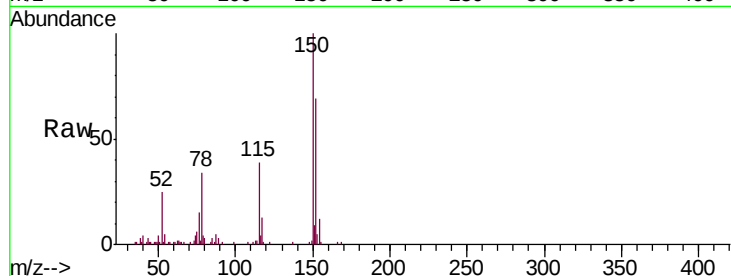


#1

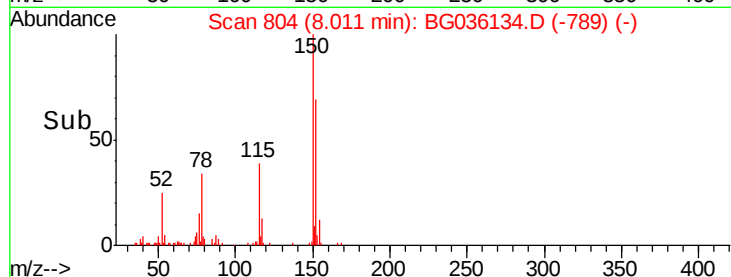
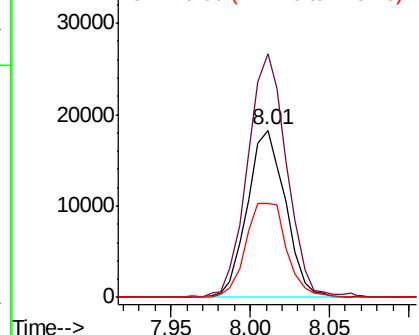
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Instrument :
BNA_G
ClientSampleId :
C-12

Tgt Ion:152 Resp: 30470
Ion Ratio Lower Upper
152 100
150 145.5 126.6 189.8
115 56.3 53.0 79.4



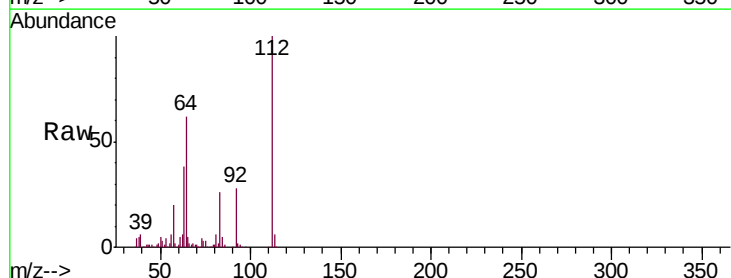
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



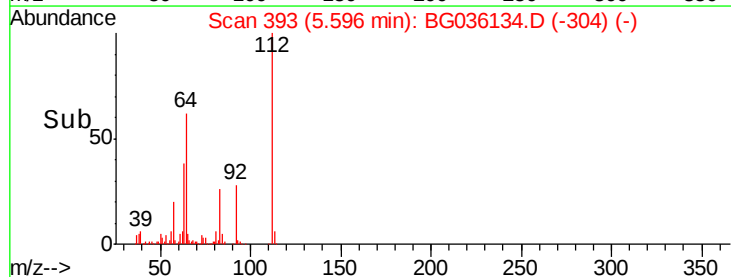
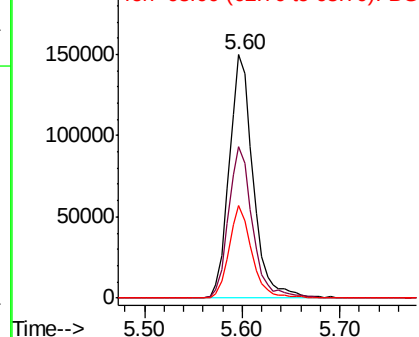
#5

2-Fluorophenol
Concen: 138.479 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Tgt Ion:112 Resp: 254148
Ion Ratio Lower Upper
112 100
64 62.4 56.3 84.5
63 37.9 30.1 45.1



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





#7

Phenol-d6

Concen: 115.856 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

Instrument :

BNA_G

ClientSampled :

C-12

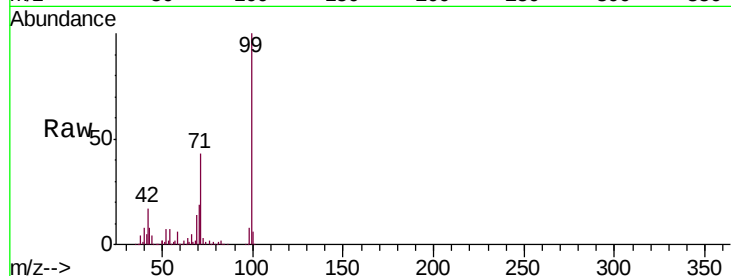
Tgt Ion: 99 Resp: 317238

Ion Ratio Lower Upper

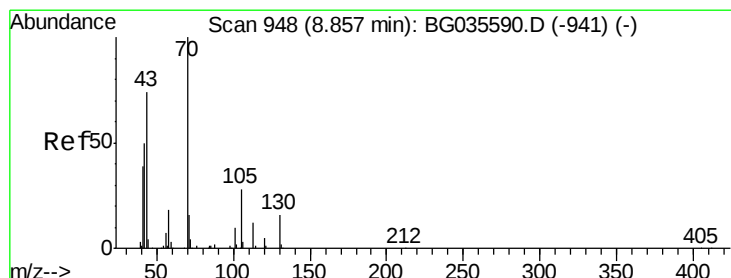
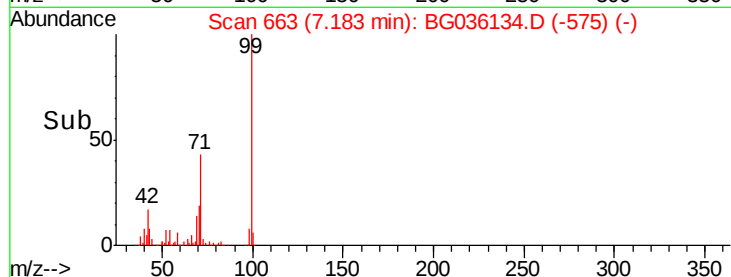
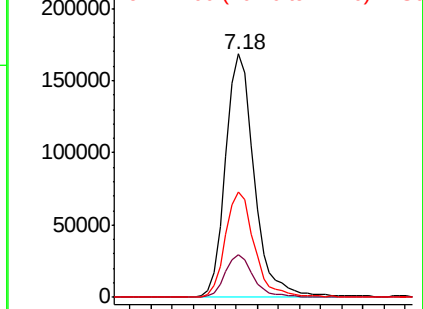
99 100

42 17.3 14.1 21.1

71 43.5 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: 16.170 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.34 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

Tgt Ion: 70 Resp: 37286

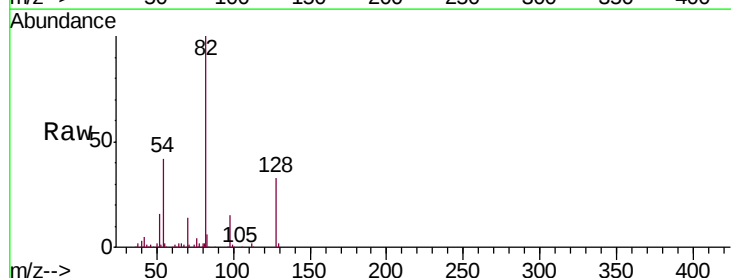
Ion Ratio Lower Upper

70 100

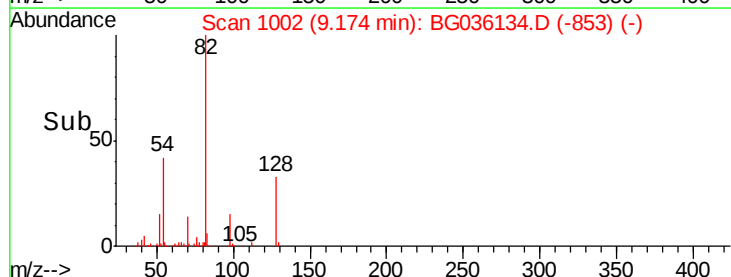
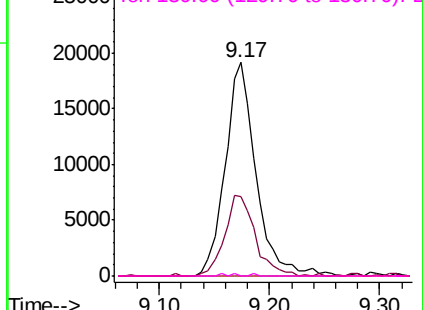
42 37.1 49.1 73.7#

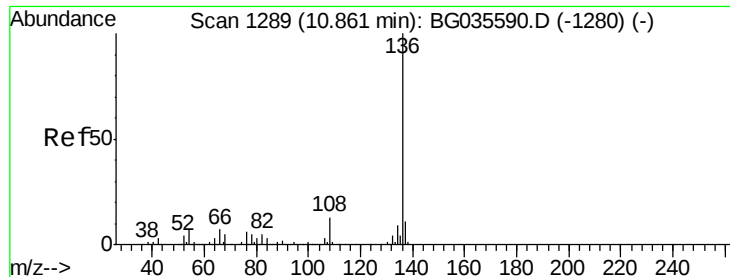
101 0.0 8.5 12.7#

130 0.0 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

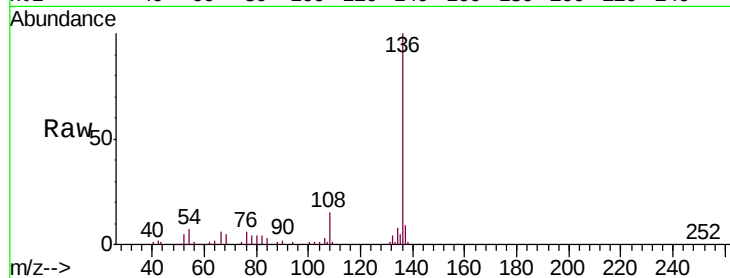




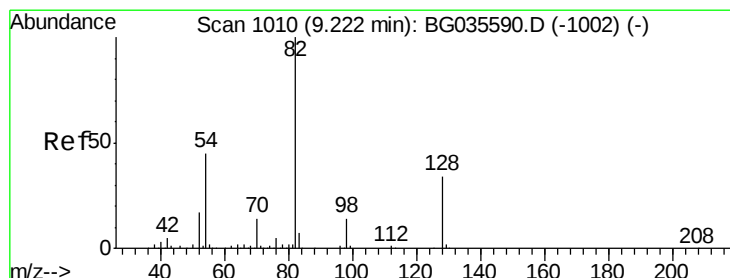
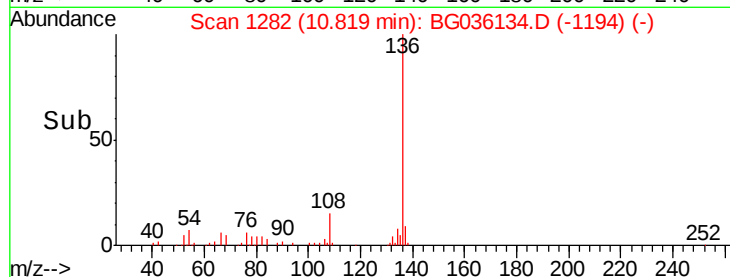
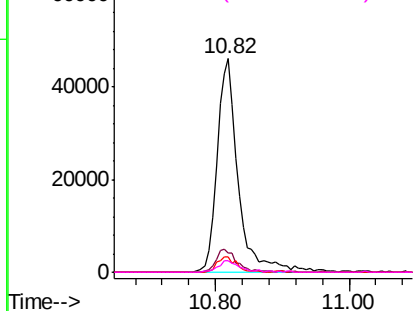
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Instrument :
BNA_G
ClientSampleId :
C-12

Tgt Ion:	136	Resp:	102378
Ion	Ratio	Lower	Upper
136	100		
137	8.9	9.2	13.8#
54	7.4	10.3	15.5#
68	5.4	4.5	6.7

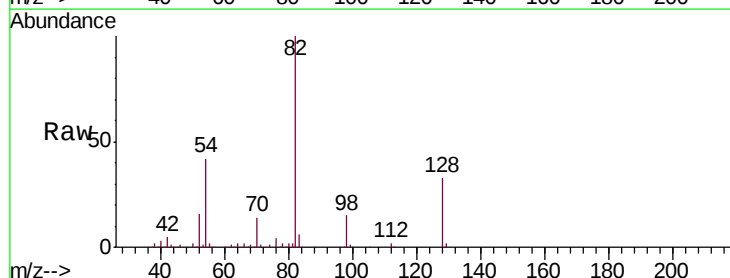


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

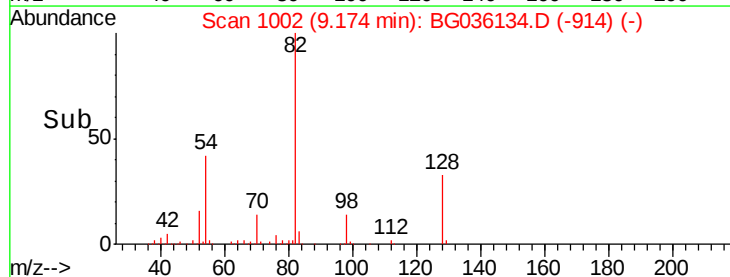
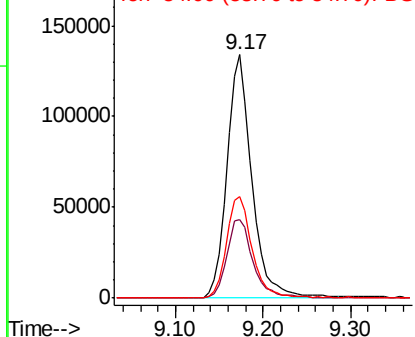


#23
Nitrobenzene-d5
Concen: 106.268 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Tgt Ion:	82	Resp:	260432
Ion	Ratio	Lower	Upper
82	100		
128	32.5	29.7	44.5
54	41.7	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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

Instrument :

BNA_G

ClientSampled :

C-12

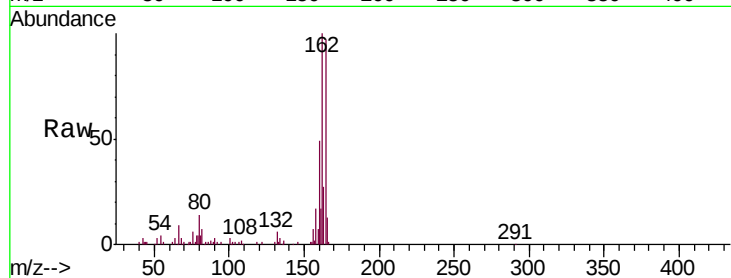
Tgt Ion:164 Resp: 71352

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

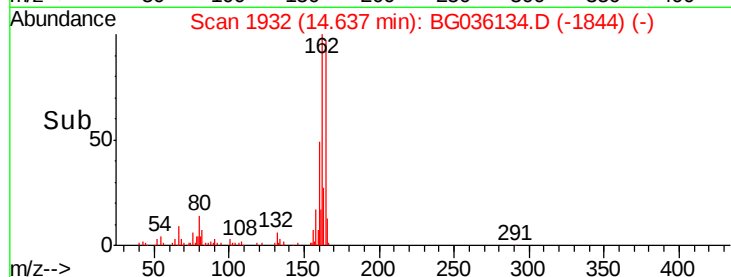
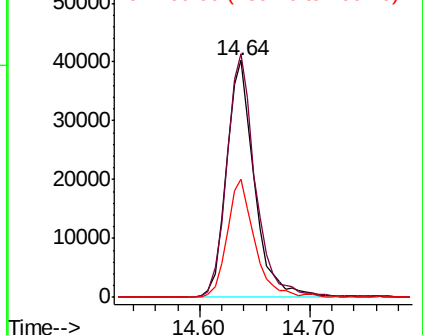
160 49.8 35.4 53.0



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: 203.241 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

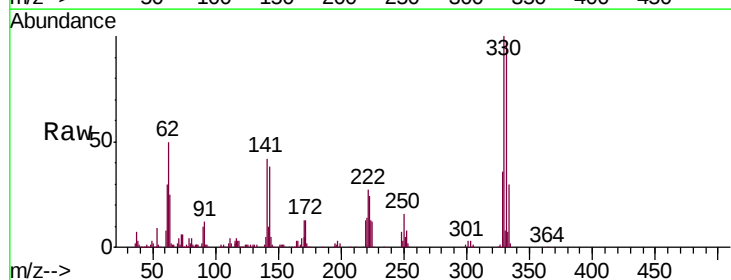
Tgt Ion:330 Resp: 191141

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

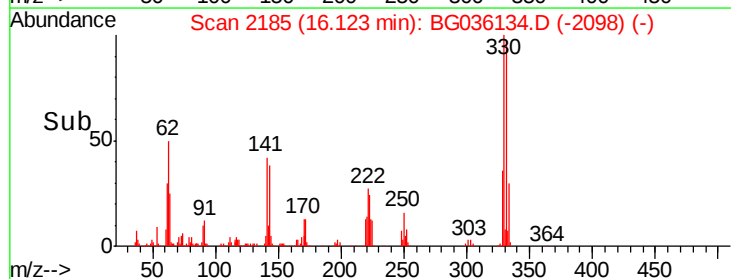
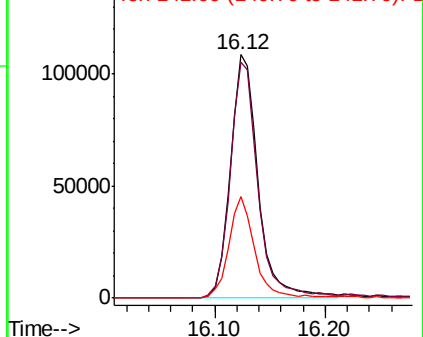
141 39.6 25.2 37.8#

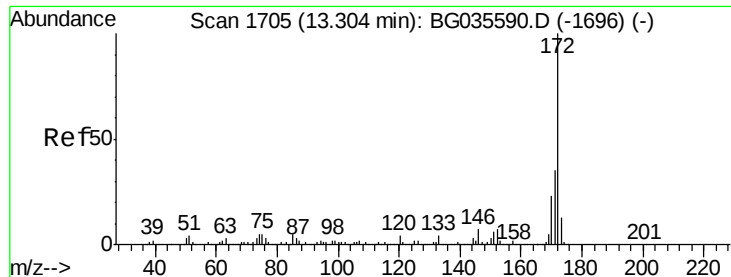


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

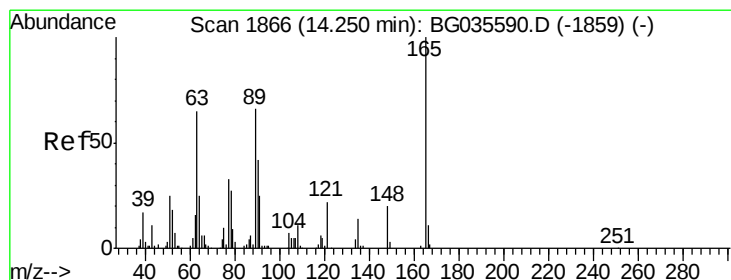
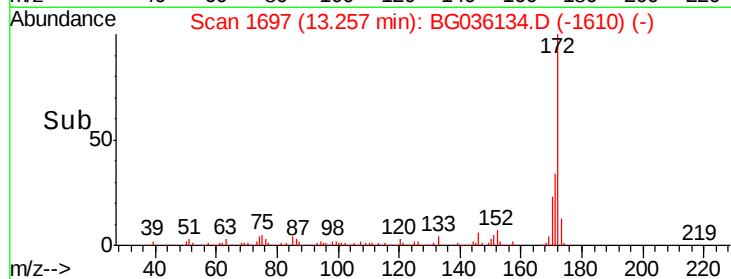
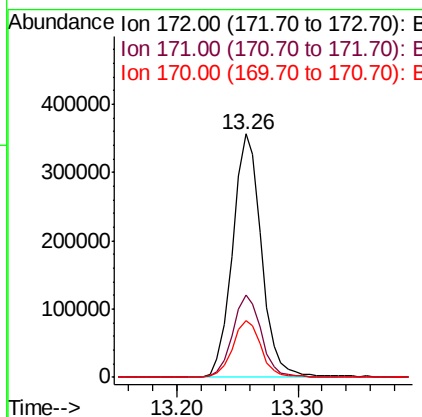
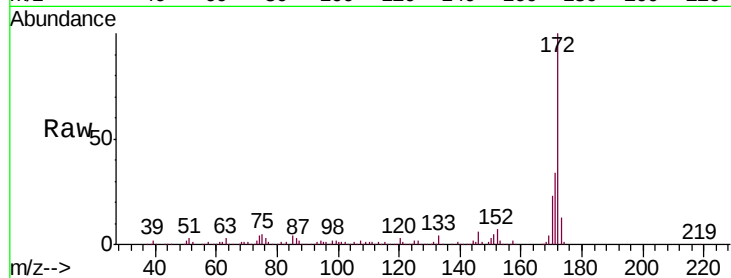




#44
 2-Fluorobiphenyl
 Concen: 111.587 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036134.D
 Acq: 6 Aug 2018 19:25

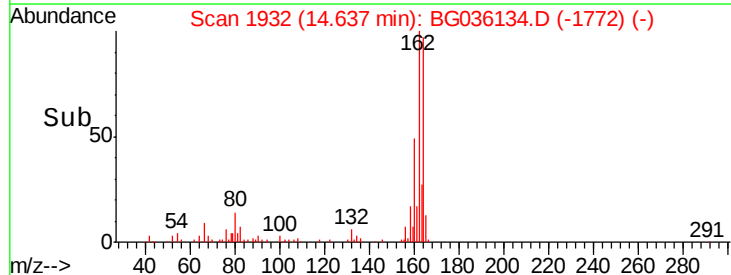
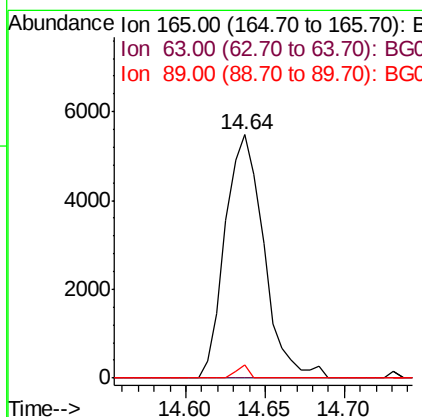
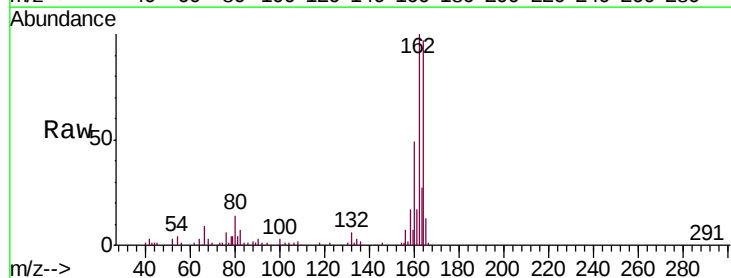
Instrument :
 BNA_G
 ClientSampleId :
 C-12

Tgt Ion:172 Resp: 594292
 Ion Ratio Lower Upper
 172 100
 171 33.8 30.0 45.0
 170 23.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.304 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036134.D
 Acq: 6 Aug 2018 19:25

Tgt Ion:165 Resp: 9298
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 5.2 49.2 73.8#

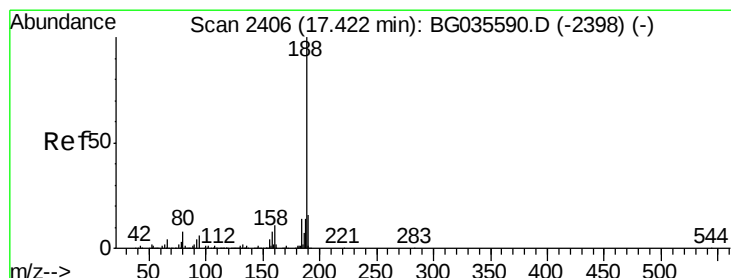
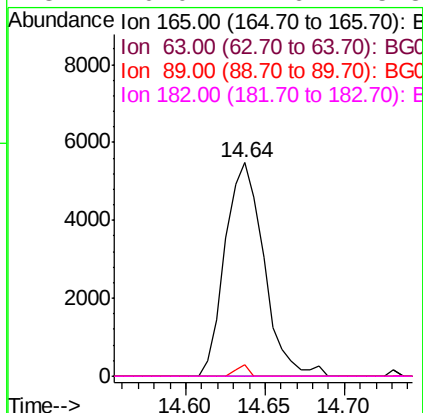
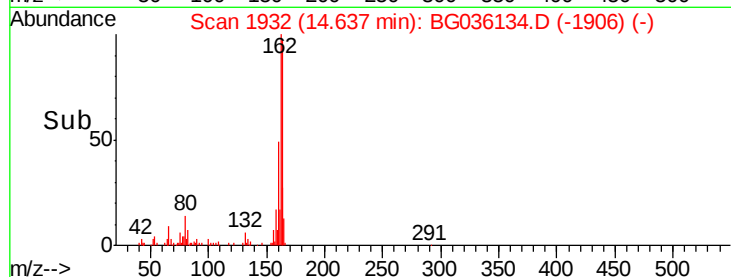
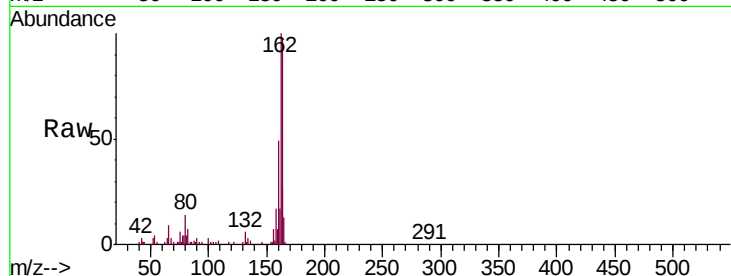




#56
2,4-Dinitrotoluene
Concen: 5.091 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.38 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

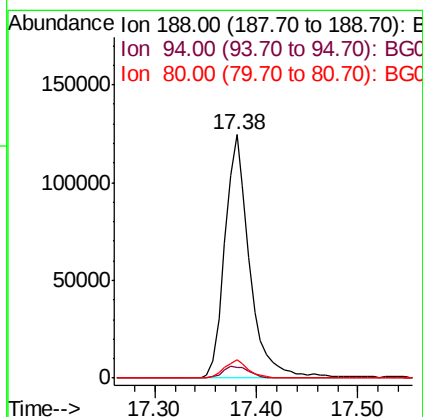
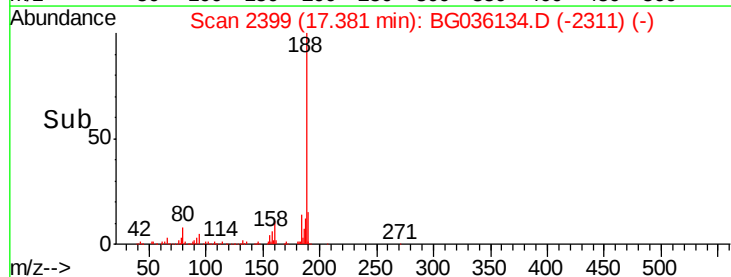
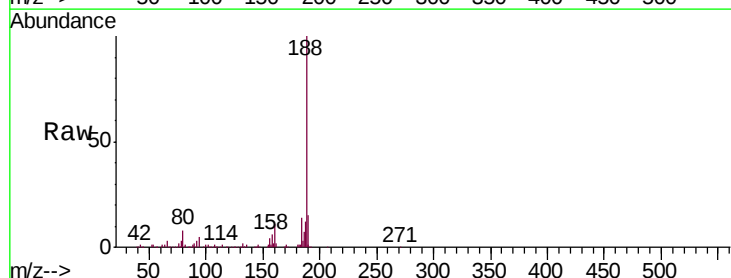
Instrument :
BNA_G
ClientSampleId :
C-12

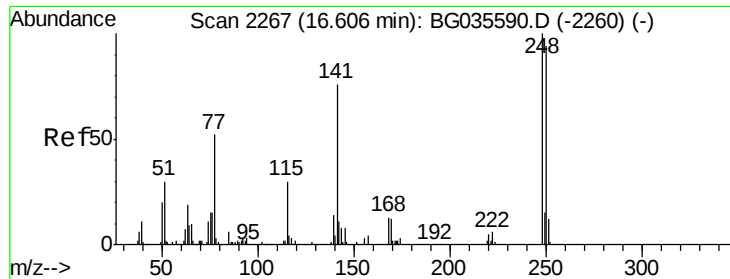
Tgt Ion:165 Resp: 9298
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 5.2 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Tgt Ion:188 Resp: 210652
Ion Ratio Lower Upper
188 100
94 4.5 6.9 10.3#
80 7.6 7.7 11.5#

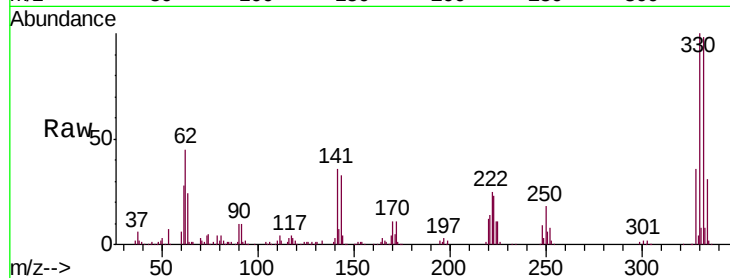




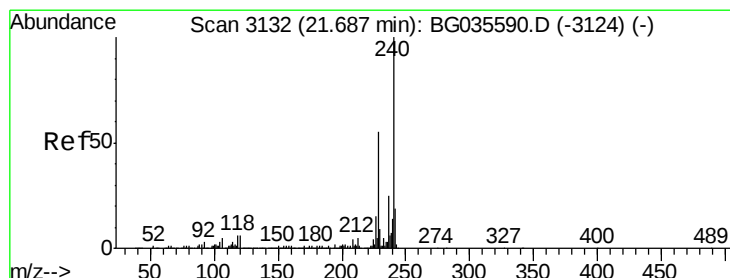
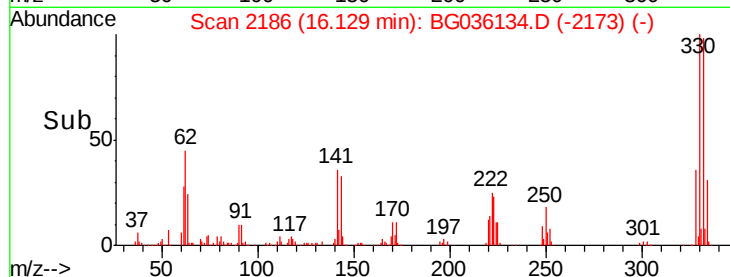
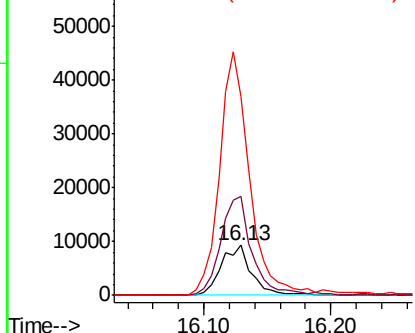
#66
 4-Bromophenyl-phenylether
 Concen: 6.265 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. -0.45 min
 Lab File: BG036134.D
 Acq: 6 Aug 2018 19:25

Instrument :
 BNA_G
 ClientSampleId :
 C-12

Tgt Ion:248 Resp: 15312
 Ion Ratio Lower Upper
 248 100
 250 197.0 77.1 115.7#
 141 397.0 50.8 76.2#

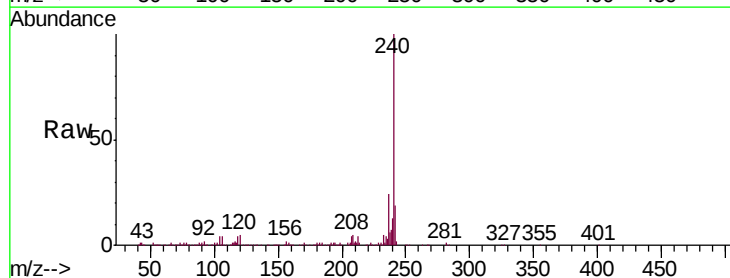


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

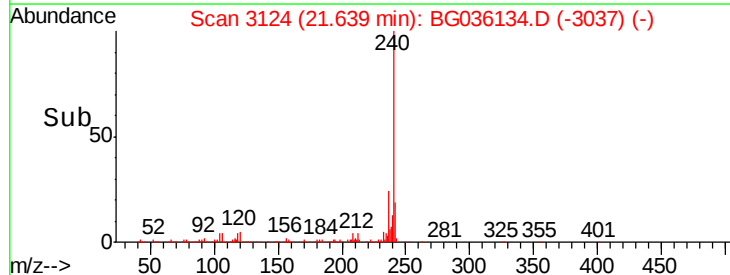
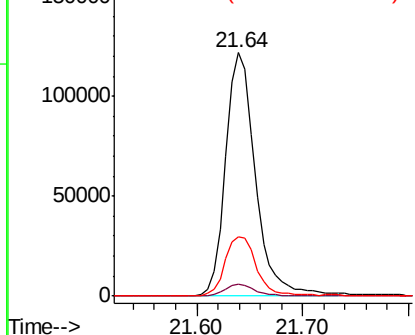


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036134.D
 Acq: 6 Aug 2018 19:25

Tgt Ion:240 Resp: 238519
 Ion Ratio Lower Upper
 240 100
 120 5.0 6.8 10.2#
 236 24.2 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: 3.753 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

Instrument :

BNA_G

ClientSampleId :

C-12

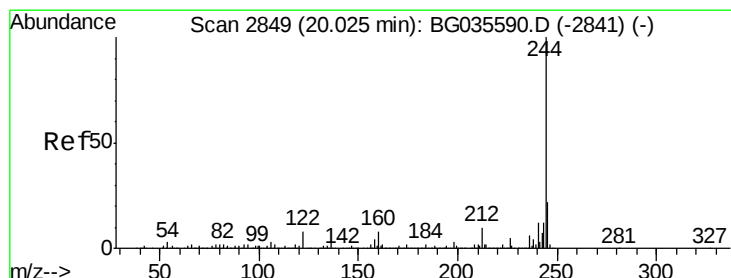
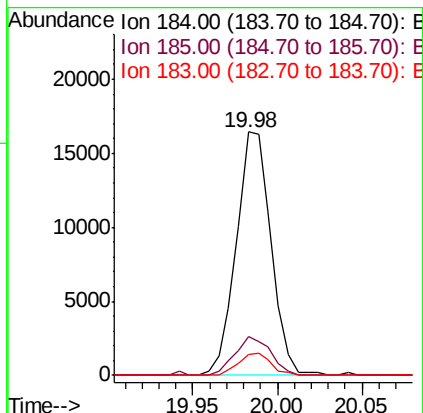
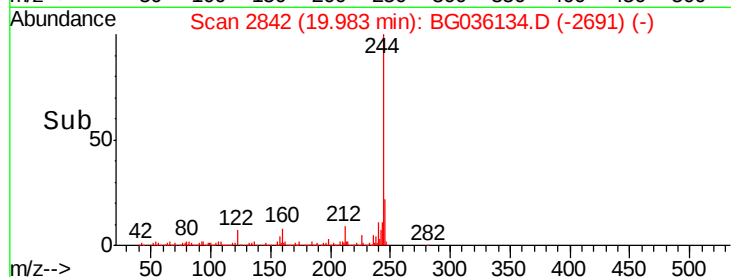
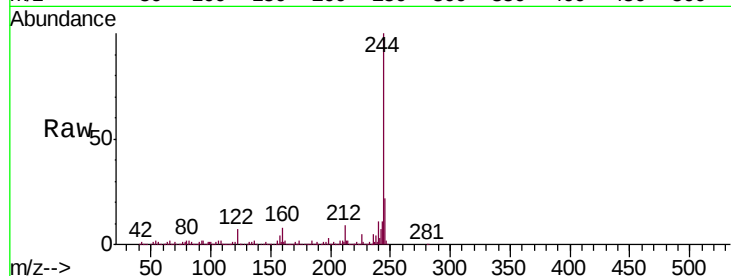
Tgt Ion:184 Resp: 23535

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

183 8.6 10.6 16.0#



#78

Terphenyl-d14

Concen: 118.681 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036134.D

Acq: 6 Aug 2018 19:25

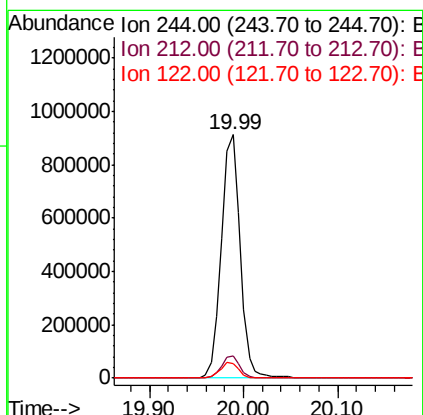
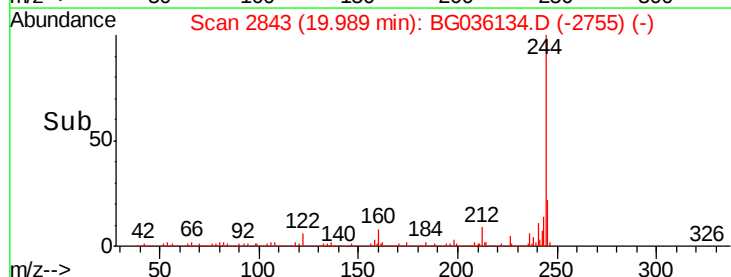
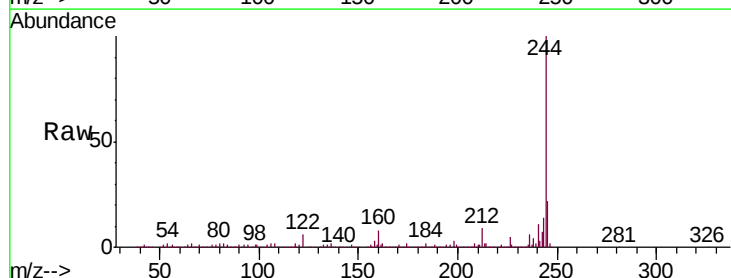
Tgt Ion:244 Resp: 1284203

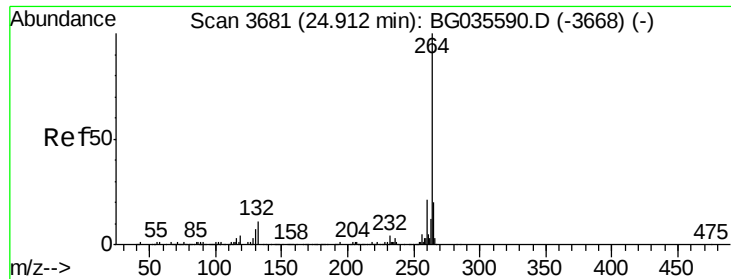
Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

122 6.2 7.0 10.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3666
Delta R.T. -0.04 min
Lab File: BG036134.D
Acq: 6 Aug 2018 19:25

Instrument :
BNA_G
ClientSampleId :
C-12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	24.6	17.7	26.5

