

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036135.D
 Acq On : 6 Aug 2018 20:05
 Operator : JU/SJ
 Sample : J4313-20RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-14

Quant Time: Aug 07 01:01:59 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

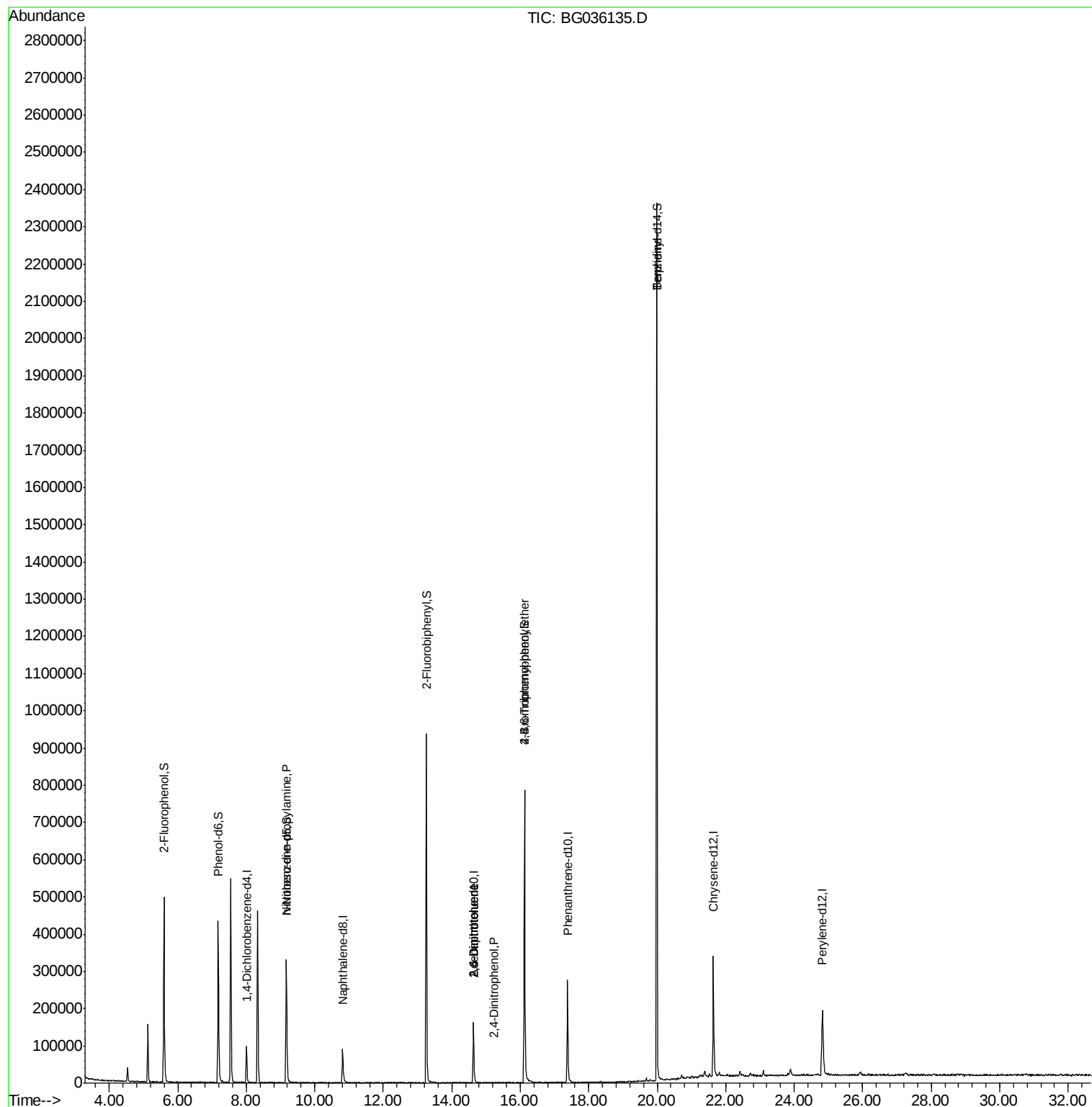
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	28906	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	95664	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	68495	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	208925	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	234731	20.00	ng	-0.02
86) Perylene-d12	24.82	264	211170	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	222421	127.75	ng	0.00
7) Phenol-d6	7.18	99	272966	105.08	ng	-0.01
23) Nitrobenzene-d5	9.17	82	247092	107.90	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	161992	179.43	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	532901	104.23	ng	-0.02
78) Terphenyl-d14	19.99	244	1219839	114.55	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	34878	15.945	ng	# 73
50) 2,6-Dinitrotoluene	14.63	165	10005	8.187	ng	# 18
53) 2,4-Dinitrophenol	15.23	184	76	6.693	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	10005	5.707	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	13081	5.397	ng	# 1
76) Benzidine	19.99	184	22425	3.634	ng	# 91

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

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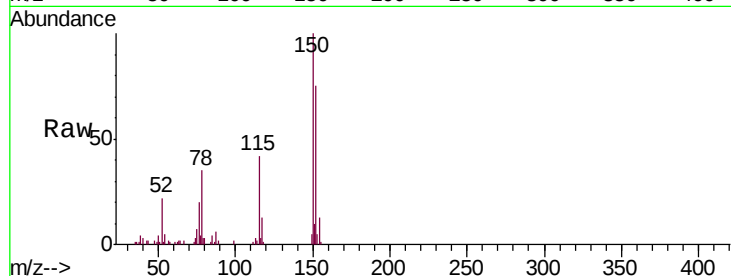


#1

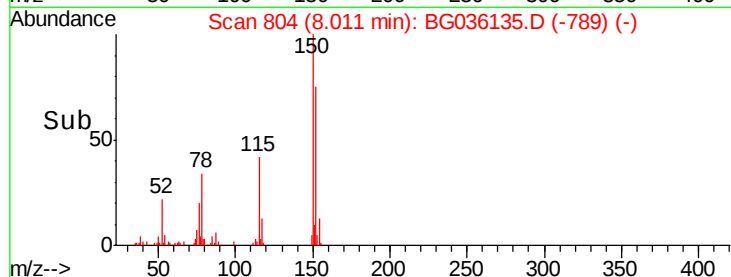
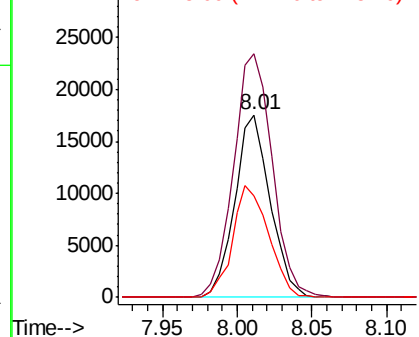
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

Instrument :
BNA_G
ClientSampleId :
C-14

Tgt Ion	Ratio	Lower	Upper
152	100		
150	133.5	126.6	189.8
115	55.6	53.0	79.4



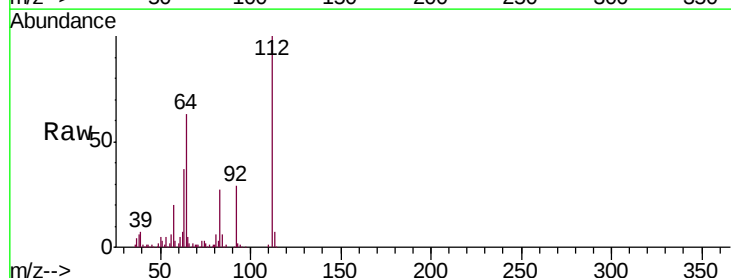
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



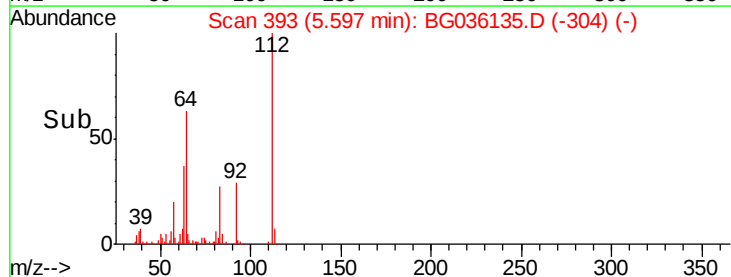
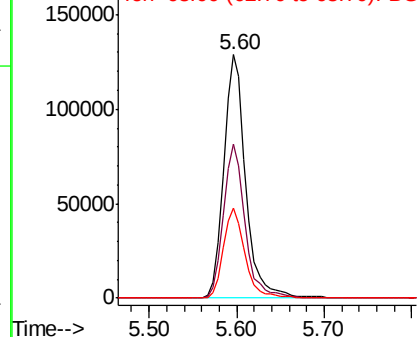
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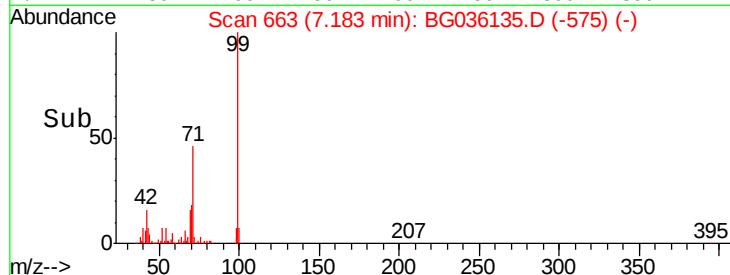
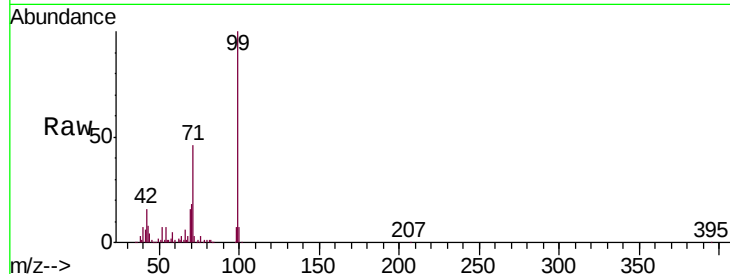
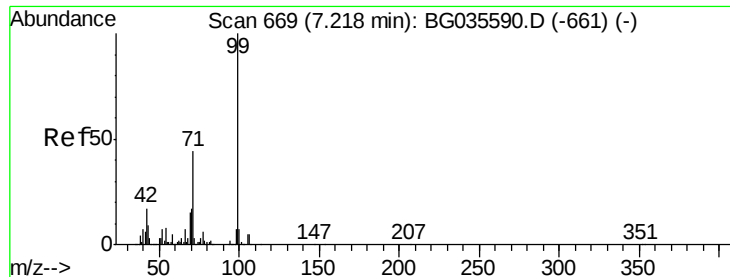
2-Fluorophenol
Concen: 127.749 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	56.3	84.5
63	37.1	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: 105.081 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

Instrument :

BNA_G

ClientSampleId :

C-14

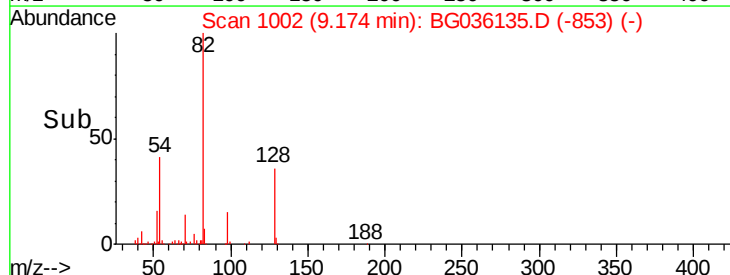
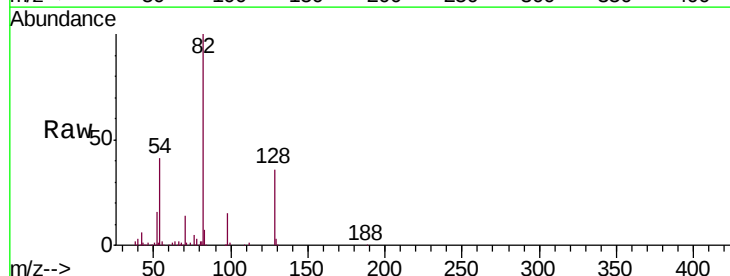
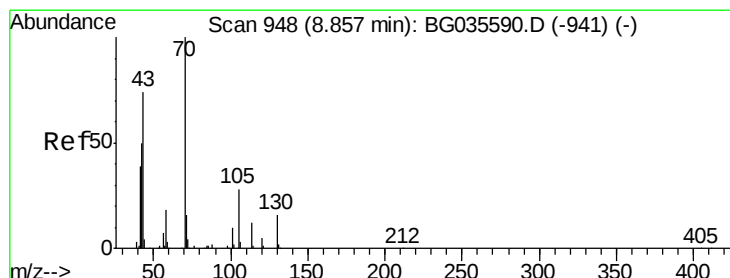
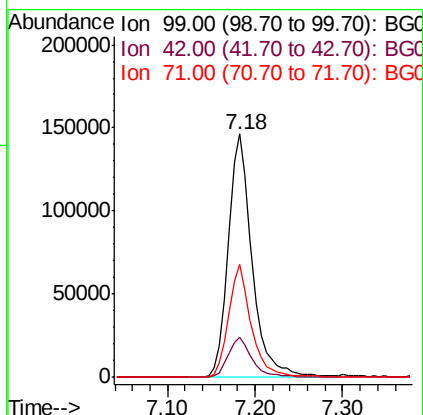
Tgt Ion: 99 Resp: 272966

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 46.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.945 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.35 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

Tgt Ion: 70 Resp: 34878

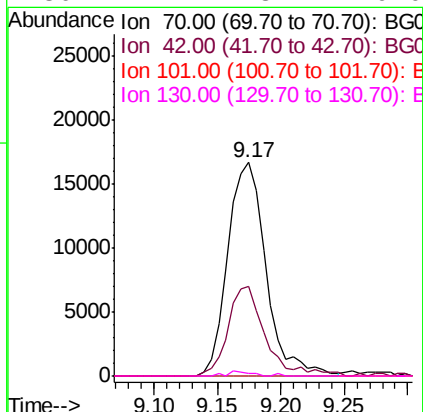
Ion Ratio Lower Upper

70 100

42 42.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

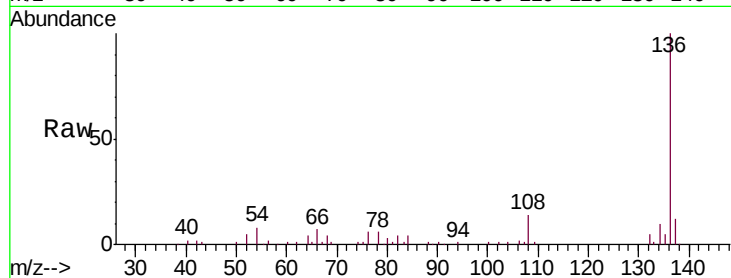




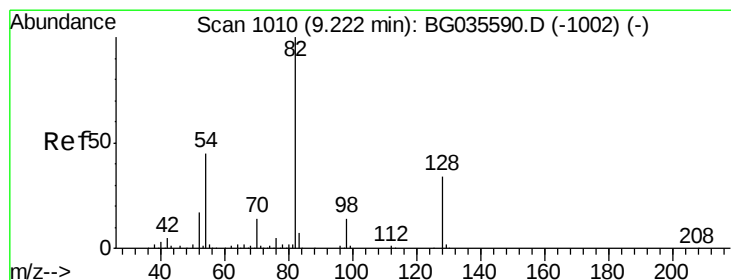
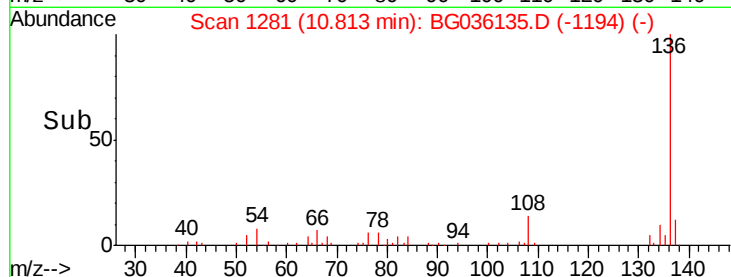
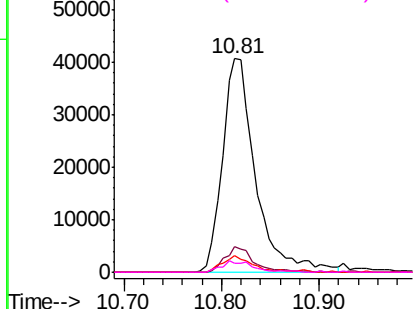
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

Instrument :
BNA_G
ClientSampleId :
C-14

Tgt Ion: 136 Resp: 95664
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 7.9 10.3 15.5#
68 4.4 4.5 6.7#

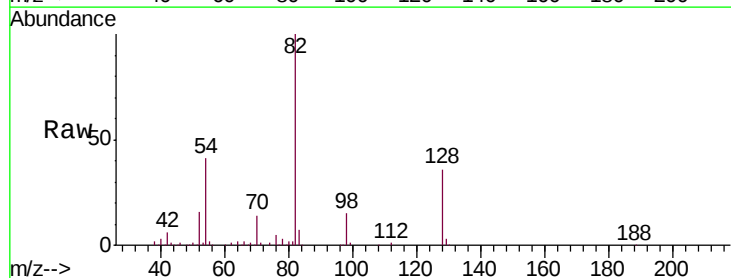


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

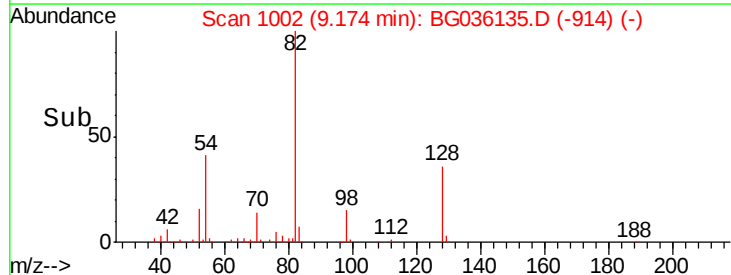
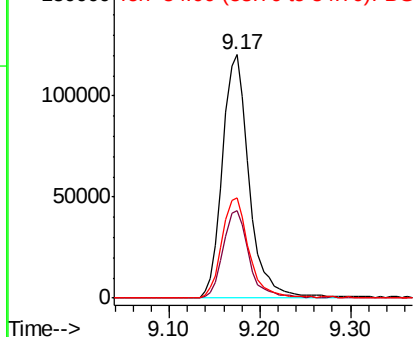


#23
Nitrobenzene-d5
Concen: 107.901 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

Tgt Ion: 82 Resp: 247092
Ion Ratio Lower Upper
82 100
128 36.1 29.7 44.5
54 41.1 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: BG036135.D

Acq: 6 Aug 2018 20:05

Instrument :

BNA_G

ClientSampleId :

C-14

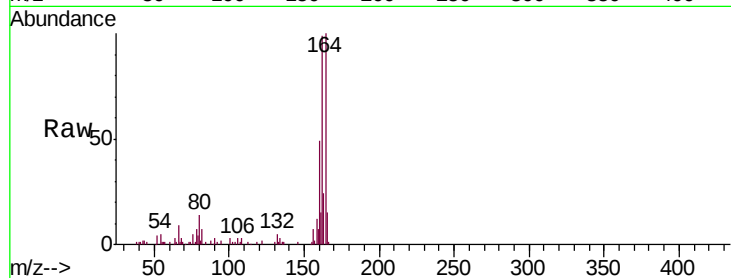
Tgt Ion:164 Resp: 68495

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

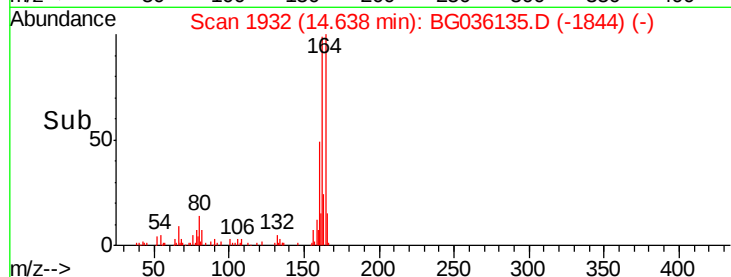
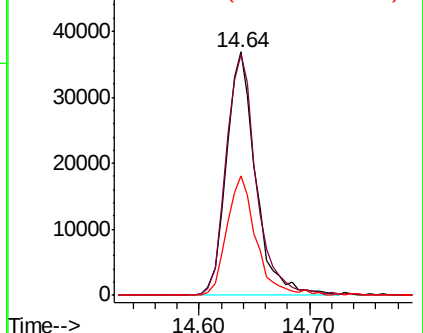
160 49.2 35.4 53.0



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: 179.431 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

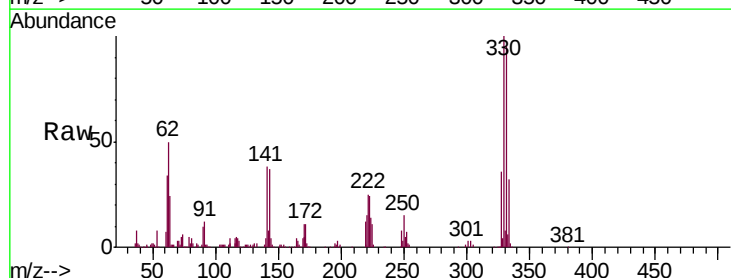
Tgt Ion:330 Resp: 161992

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

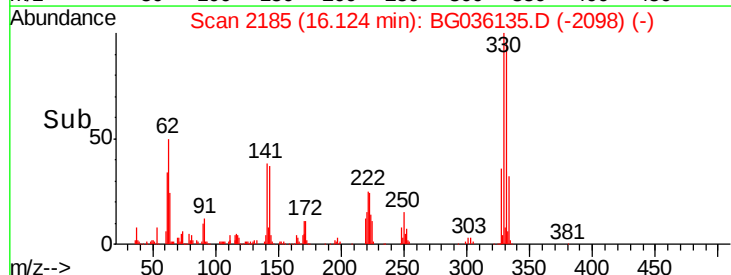
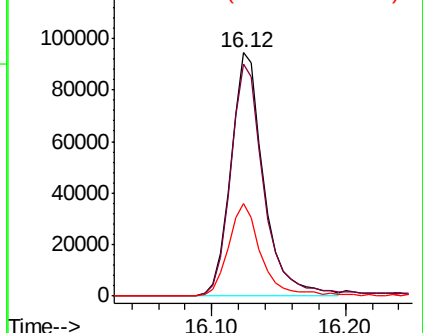
141 38.3 25.2 37.8#

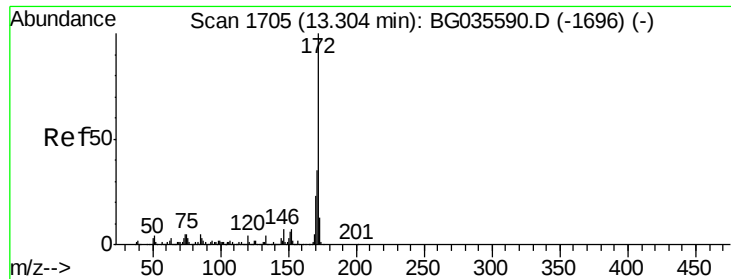


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

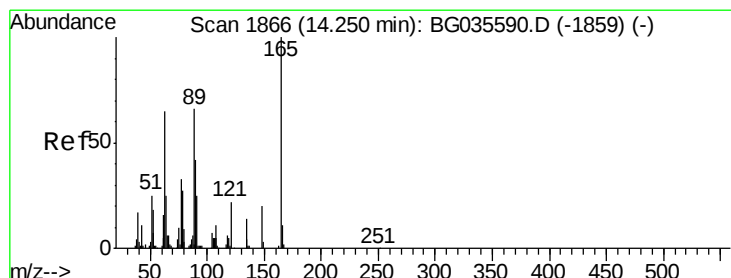
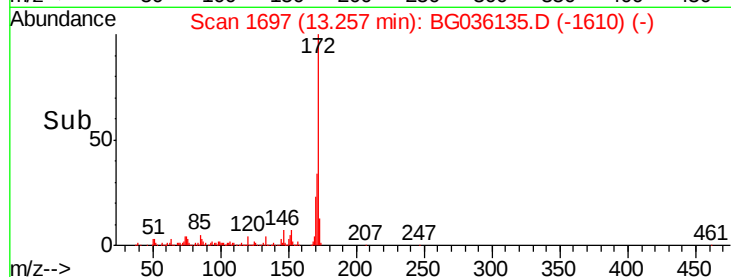
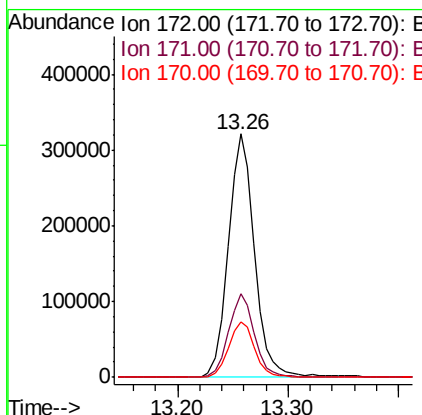
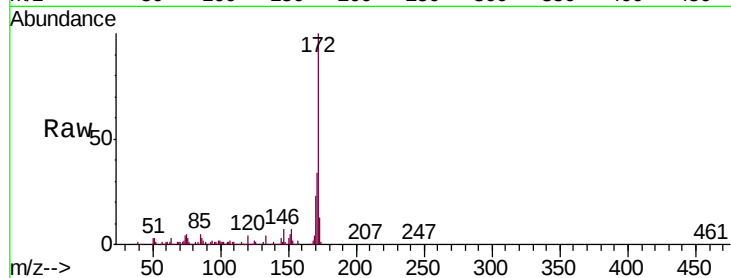




#44
 2-Fluorobiphenyl
 Concen: 104.234 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036135.D
 Acq: 6 Aug 2018 20:05

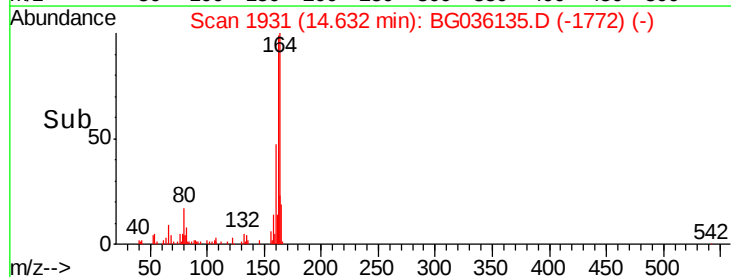
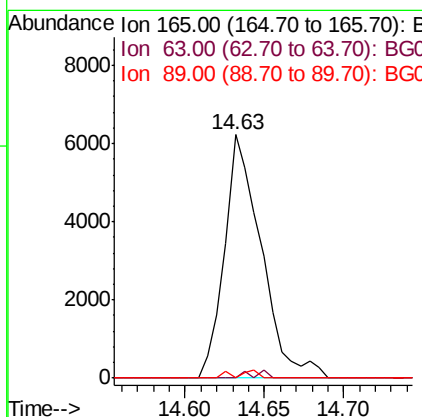
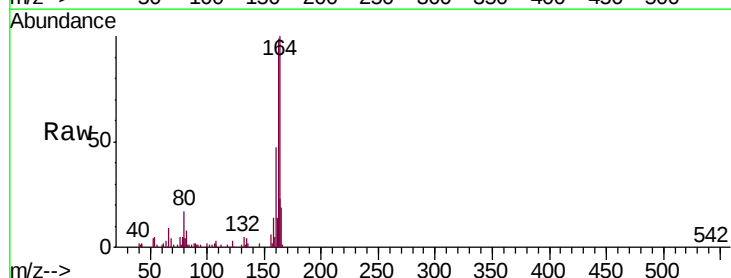
Instrument :
 BNA_G
 ClientSampleId :
 C-14

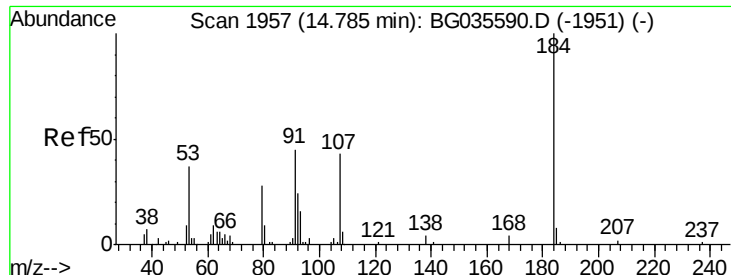
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	22.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.187 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036135.D
 Acq: 6 Aug 2018 20:05

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

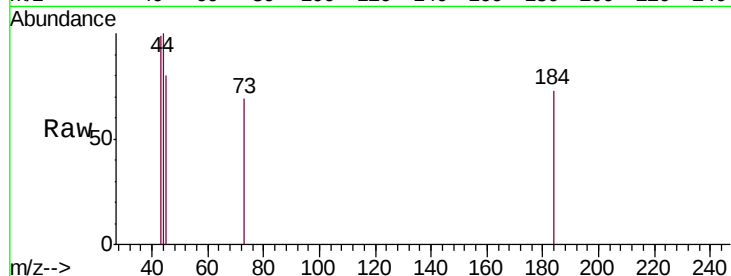




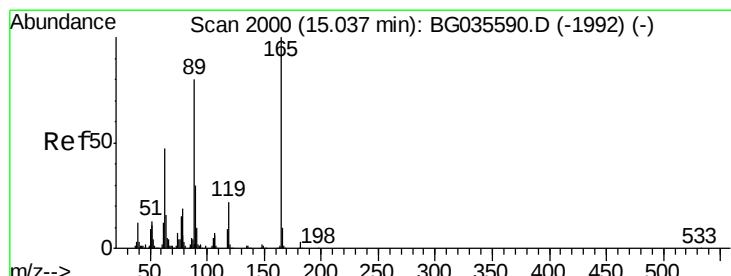
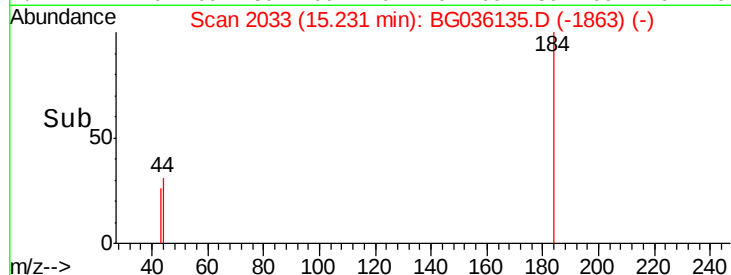
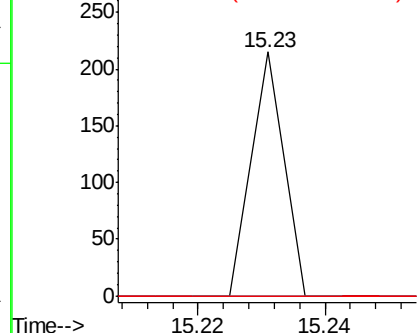
#53
 2,4-Dinitrophenol
 Concen: 6.693 ng
 RT: 15.23 min Scan# 2033
 Delta R.T. 0.47 min
 Lab File: BG036135.D
 Acq: 6 Aug 2018 20:05

Instrument :
 BNA_G
 ClientSampleId :
 C-14

Tgt Ion:184 Resp: 76
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

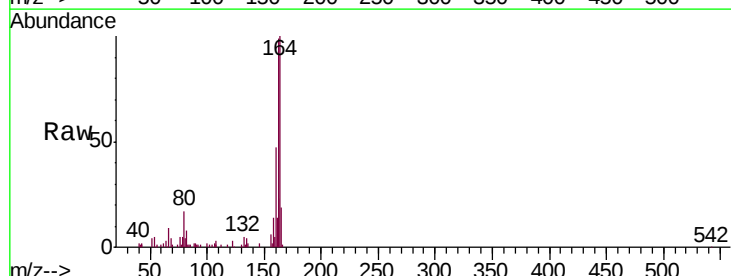


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

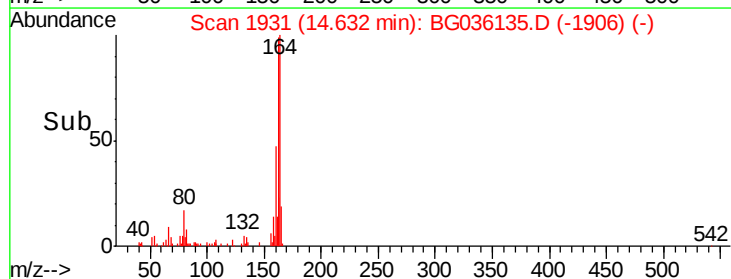
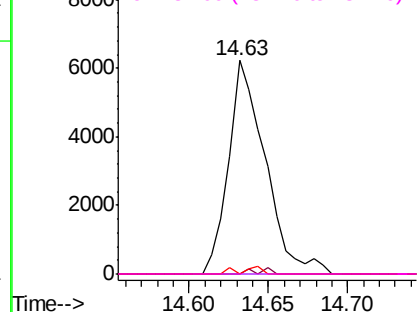


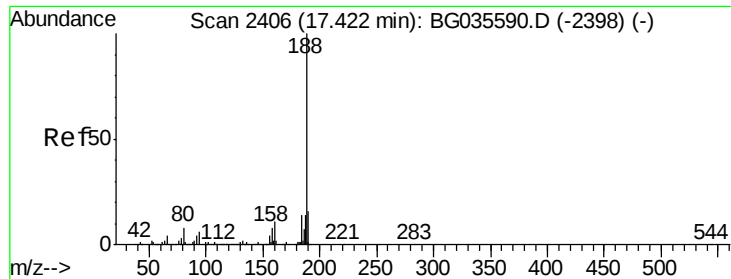
#56
 2,4-Dinitrotoluene
 Concen: 5.707 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036135.D
 Acq: 6 Aug 2018 20:05

Tgt Ion:165 Resp: 10005
 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#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

Instrument :

BNA_G

ClientSampleId :

C-14

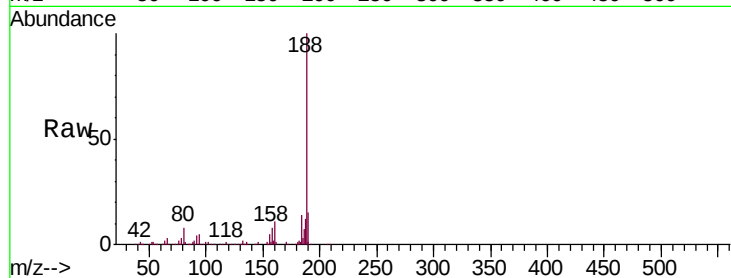
Tgt Ion:188 Resp: 208925

Ion Ratio Lower Upper

188 100

94 5.1 6.9 10.3#

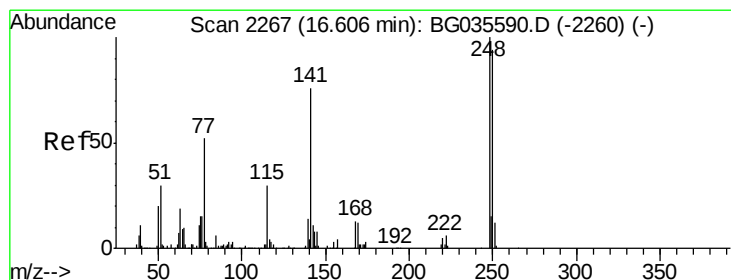
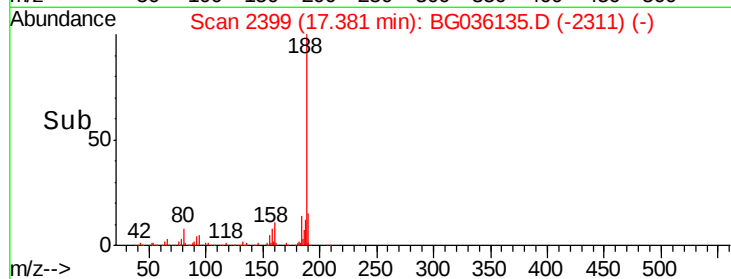
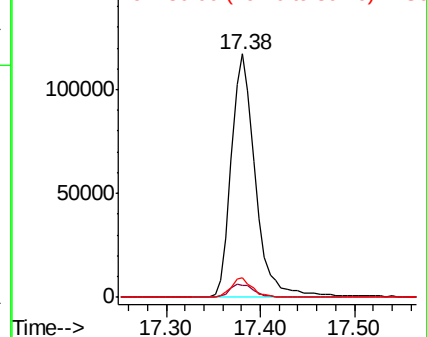
80 8.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.397 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

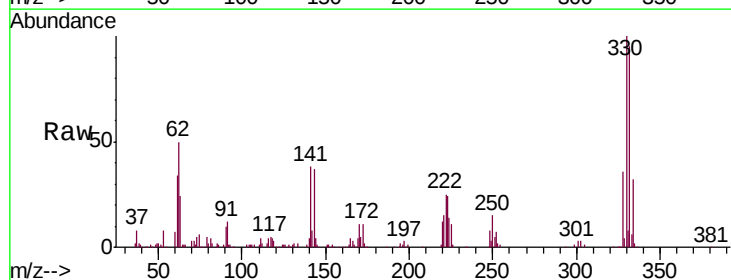
Tgt Ion:248 Resp: 13081

Ion Ratio Lower Upper

248 100

250 194.7 77.1 115.7#

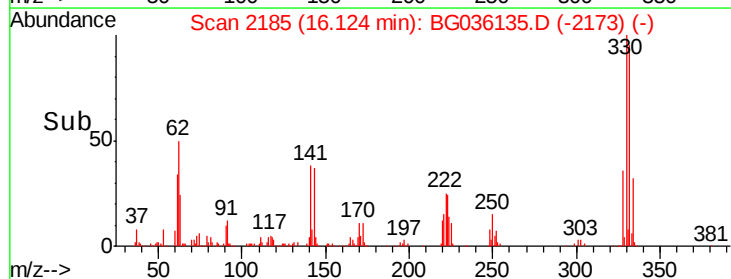
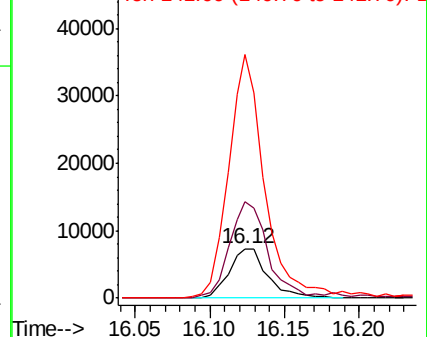
141 490.9 50.8 76.2#

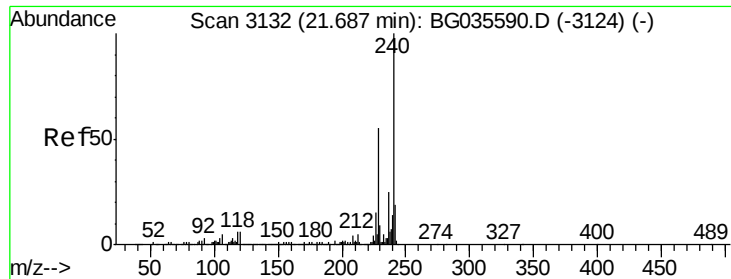


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

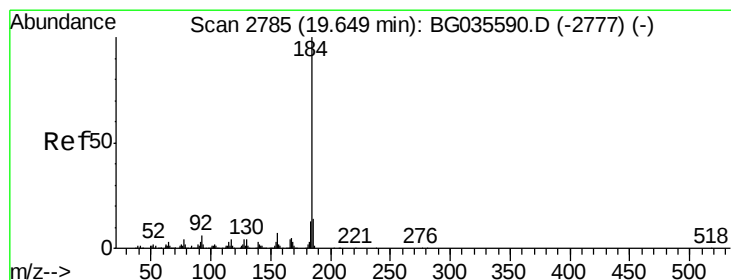
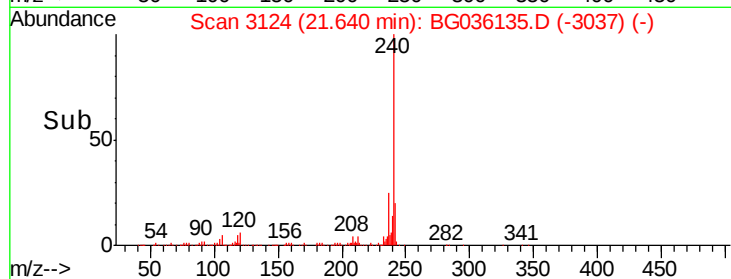
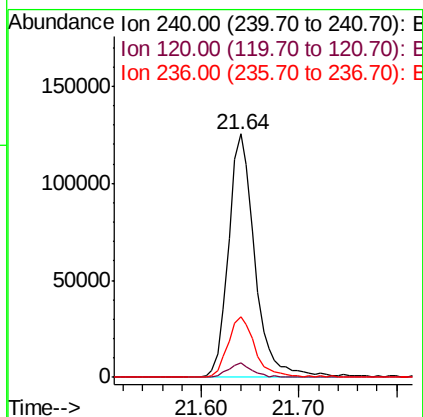
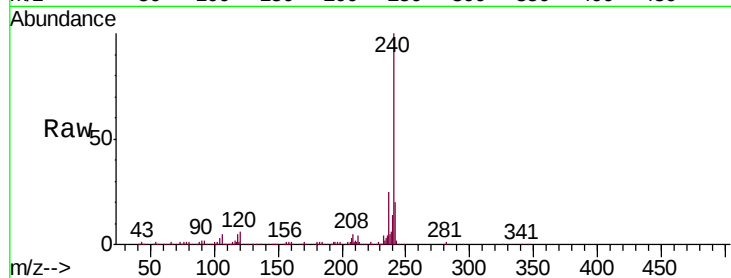




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

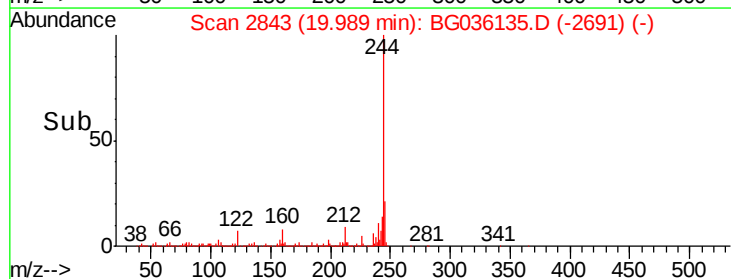
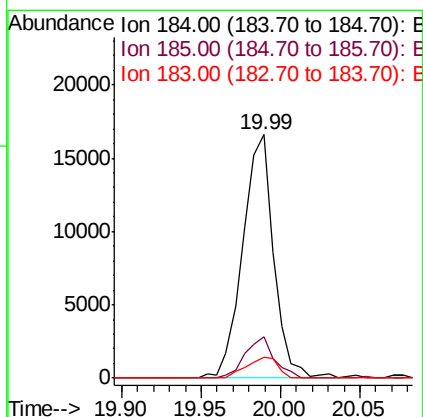
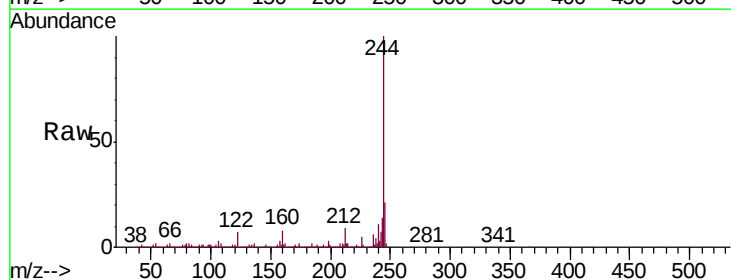
Instrument :
BNA_G
ClientSampleId :
C-14

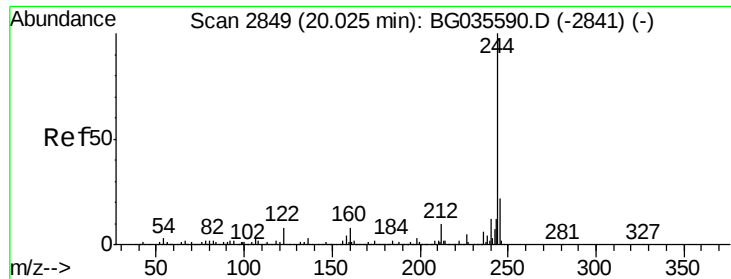
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.8	10.2#
236	24.7	20.9	31.3



#76
Benzidine
Concen: 3.634 ng
RT: 19.99 min Scan# 2843
Delta R.T. 0.36 min
Lab File: BG036135.D
Acq: 6 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.8	11.1	16.7#
183	8.7	10.6	16.0#





#78

Terphenyl-d14

Concen: 114.552 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

Instrument :

BNA_G

ClientSampled :

C-14

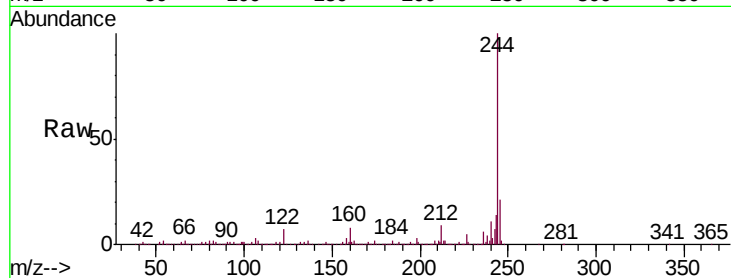
Tgt Ion:244 Resp: 1219839

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

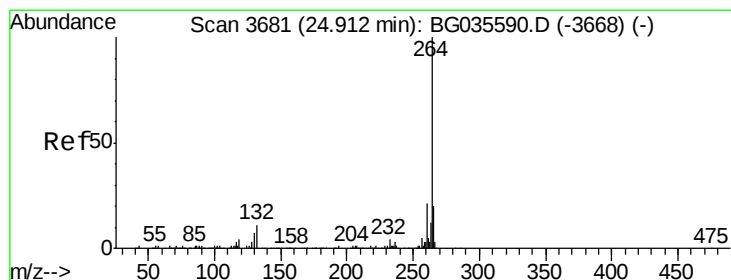
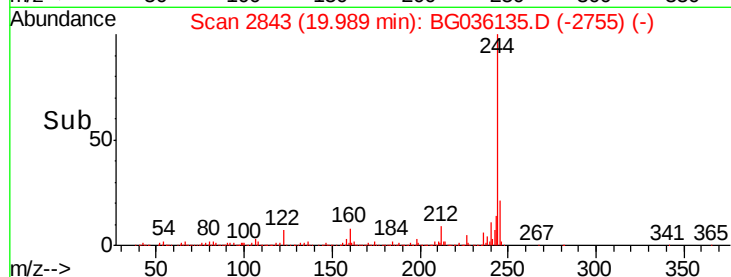
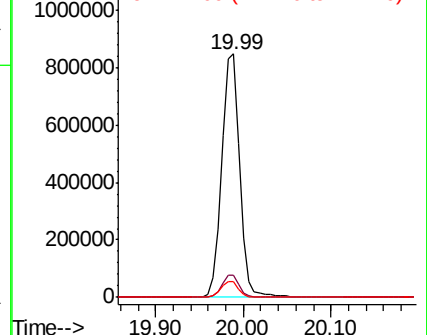
122 6.5 7.0 10.4#



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: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036135.D

Acq: 6 Aug 2018 20:05

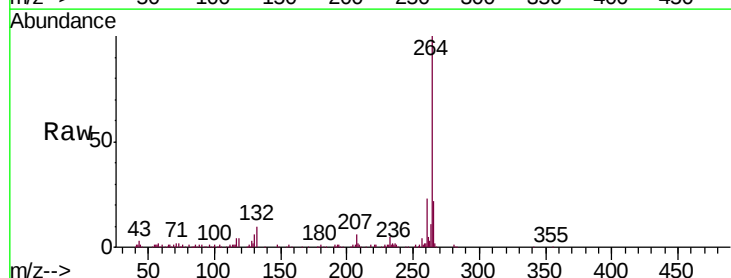
Tgt Ion:264 Resp: 211170

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.1 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

