

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032825.D
 Acq On : 26 Feb 2018 17:09
 Operator : SJ/JU
 Sample : J1672-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 01:19:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	74559	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	324740	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	179455	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	406304	20.00	ng	0.00
75) Chrysene-d12	22.62	240	399955	20.00	ng	-0.01
86) Perylene-d12	26.43	264	420653	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	587272	126.01	ng	0.00
7) Phenol-d6	8.02	99	691541	106.46	ng	0.00
23) Nitrobenzene-d5	10.13	82	493278	103.03	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	281036	148.94	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1072881	86.23	ng	0.00
78) Terphenyl-d14	20.79	244	1636362	91.92	ng	0.00

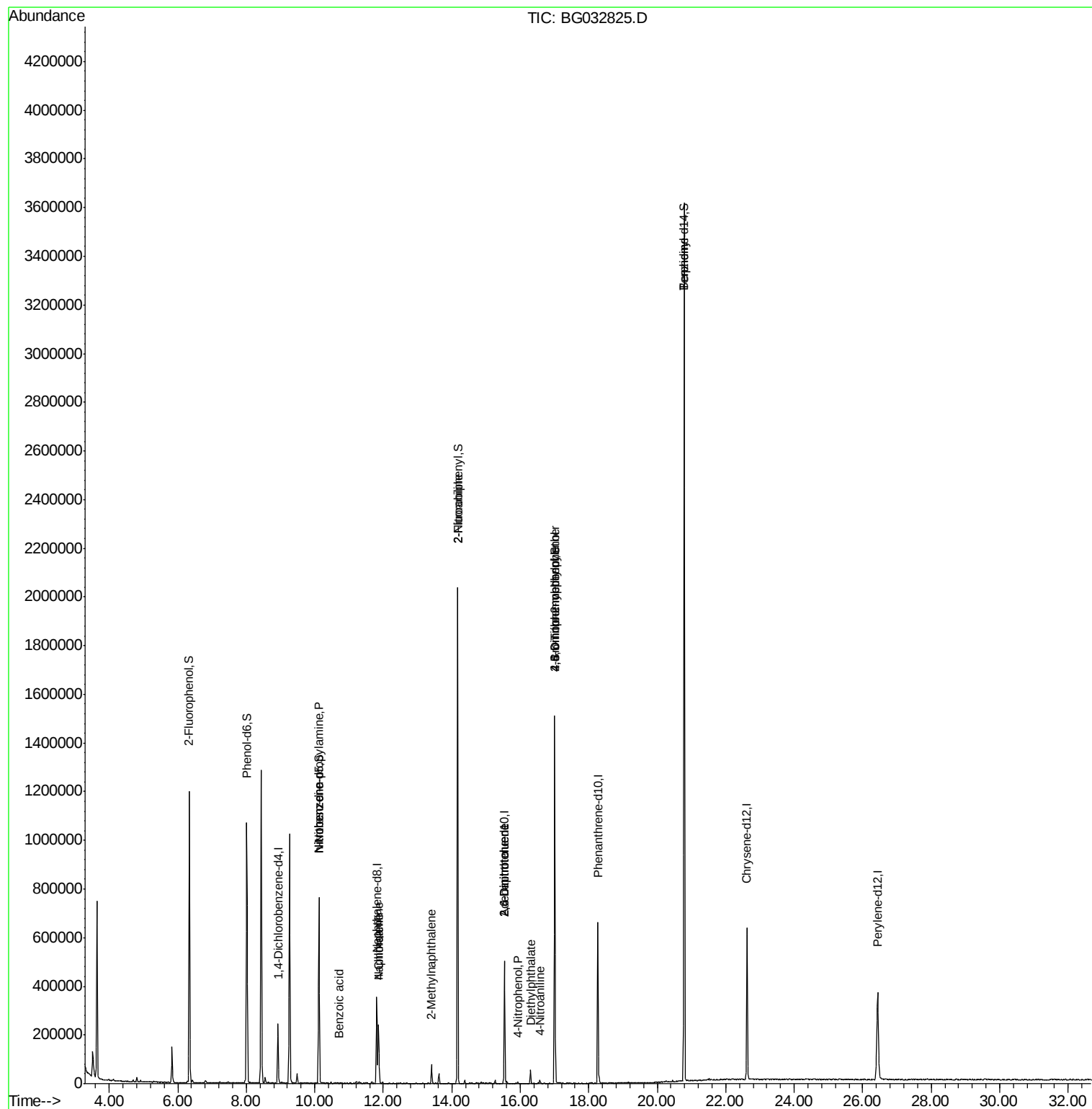
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.13	70	64039	13.96	ng	# 81
24) Nitrobenzene	10.13	77	1514	6.63	ng	# 30
31) Naphthalene	11.87	128	219160	12.92	ng	100
32) Benzoic acid	10.71	122	66	5.84	ng	# 1
33) 4-Chloroaniline	11.87	127	30321	4.00	ng	# 35
37) 2-Methylnaphthalene	13.41	142	38963	3.17	ng	89
47) 2-Nitroaniline	14.17	65	1925	10.35	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23139	16.37	ng	# 21
55) 4-Nitrophenol	15.93	139	1538	7.64	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23139	14.57	ng	# 18
59) Diethylphthalate	16.30	149	32684	2.03	ng	94
61) 4-Nitroaniline	16.56	138	57	5.32	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.01	198	925	5.91	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20497	4.77	ng	# 1
76) Benzidine	20.79	184	27677	2.03	ng	# 92

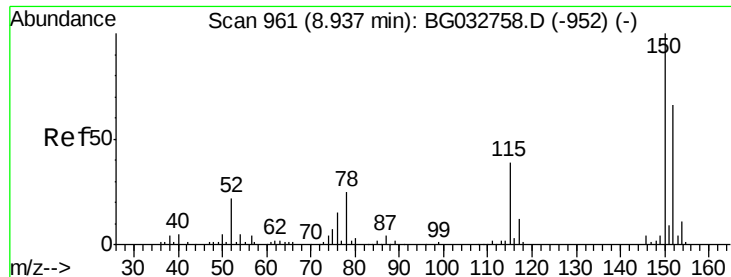
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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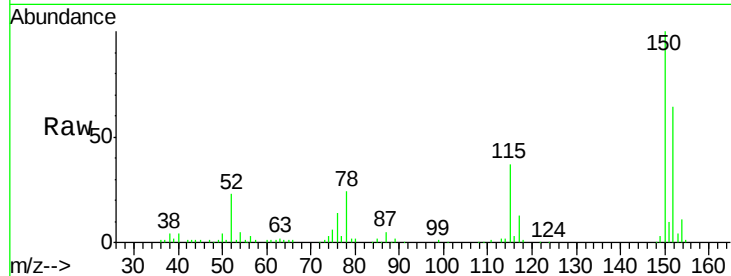


#1

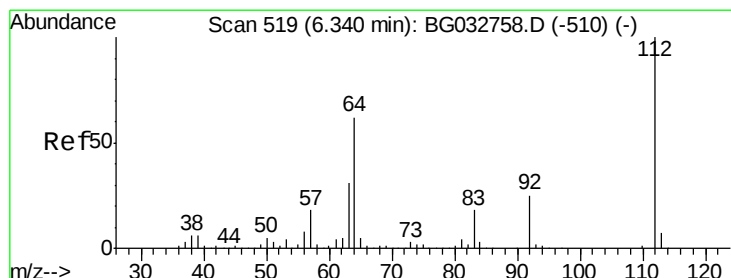
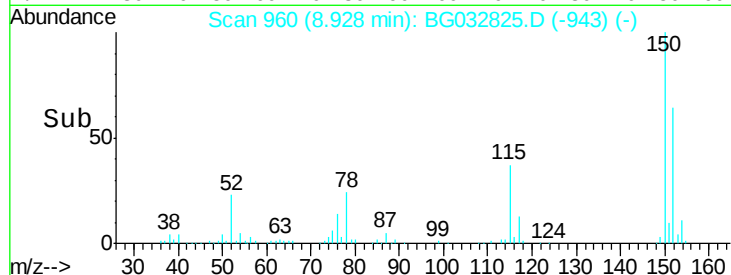
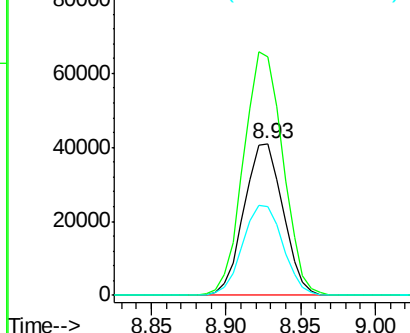
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 74559
Ion Ratio Lower Upper
152 100
150 156.8 126.6 189.8
115 58.6 53.0 79.4



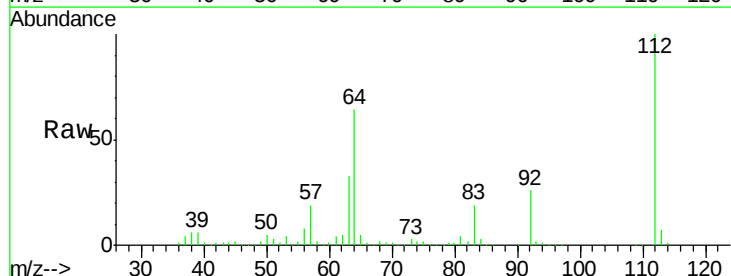
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



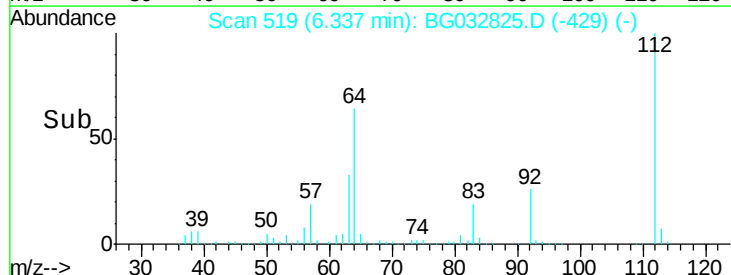
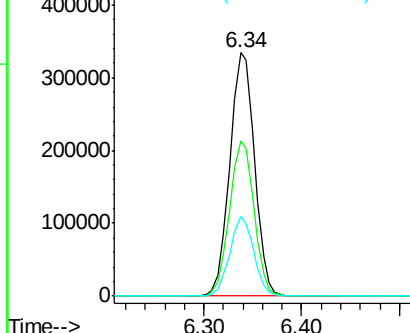
#5

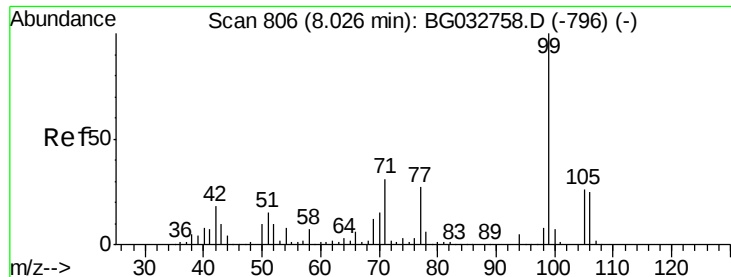
2-Fluorophenol
Concen: 126.01 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Tgt Ion:112 Resp: 587272
Ion Ratio Lower Upper
112 100
64 64.0 56.3 84.5
63 32.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.46 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Instrument :

BNA_G

ClientSampled :

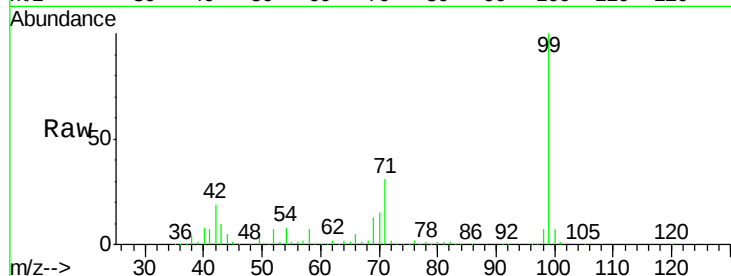
Tot Ion: 99 Resp: 691541

Ion Ratio Lower Upper

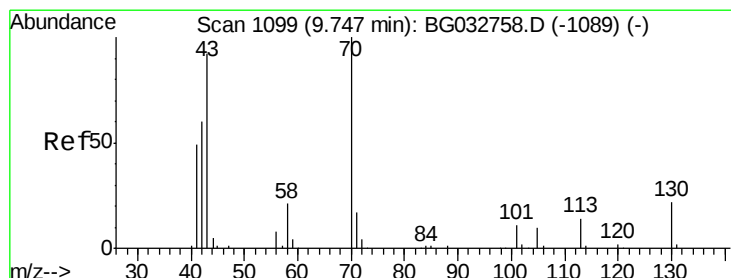
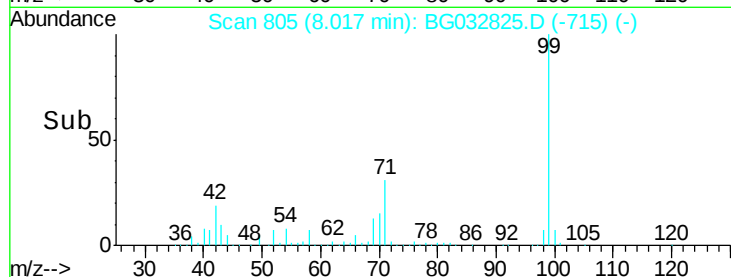
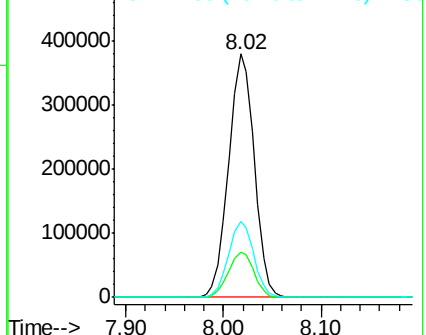
99 100

42 18.6 14.1 21.1

71 31.0 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: 13.96 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.39 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Tgt Ion: 70 Resp: 64039

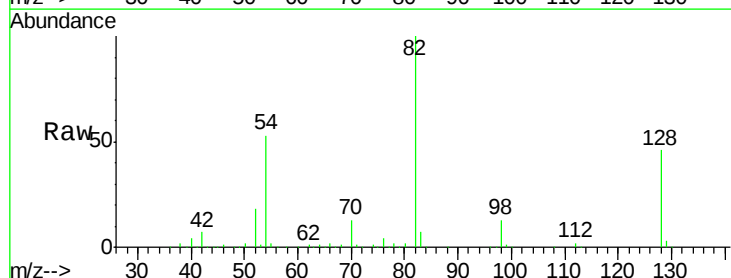
Ion Ratio Lower Upper

70 100

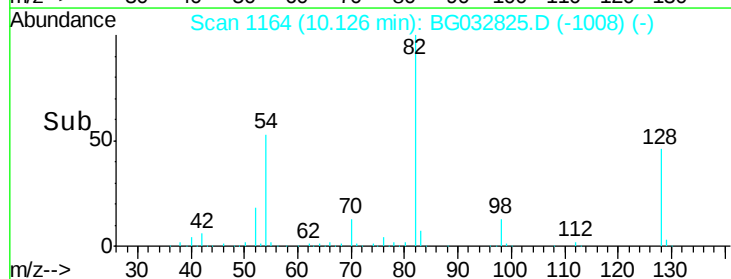
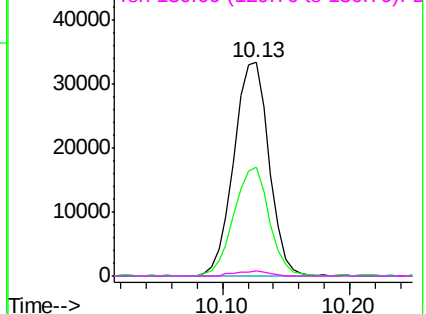
42 51.1 49.1 73.7

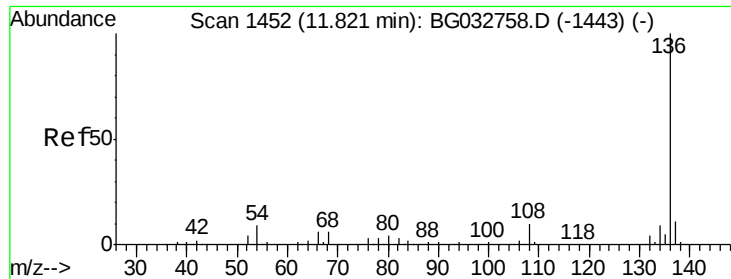
101 0.0 8.5 12.7#

130 2.3 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

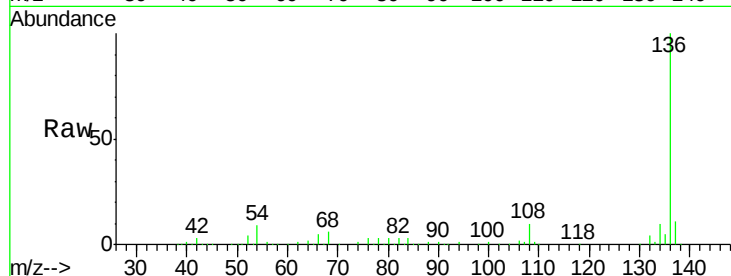




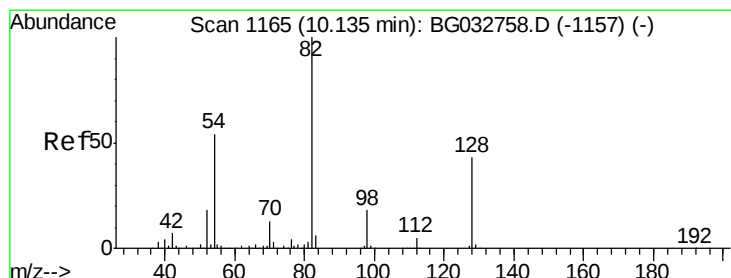
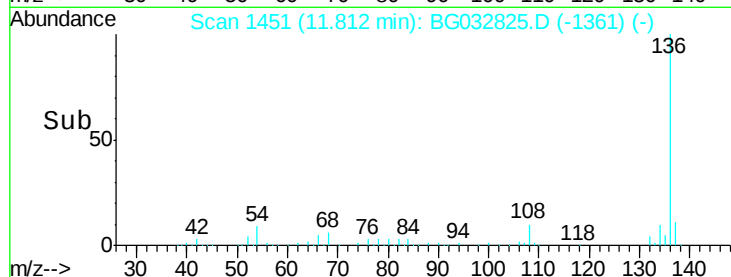
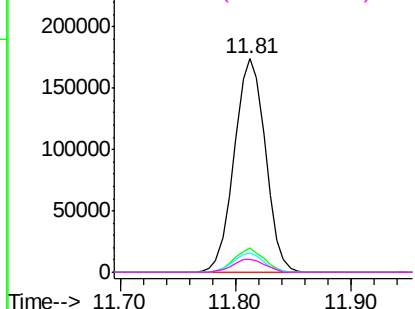
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	324740
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.2 13.8
54	9.1	10.3 15.5#
68	6.2	4.5 6.7

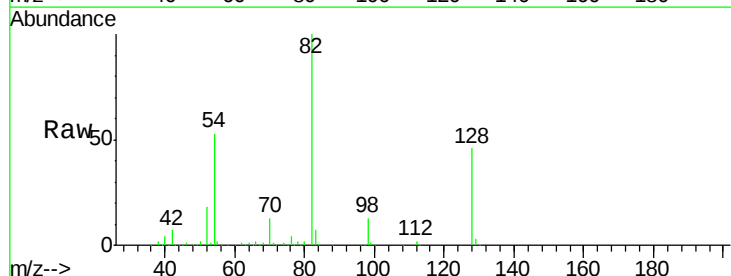


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

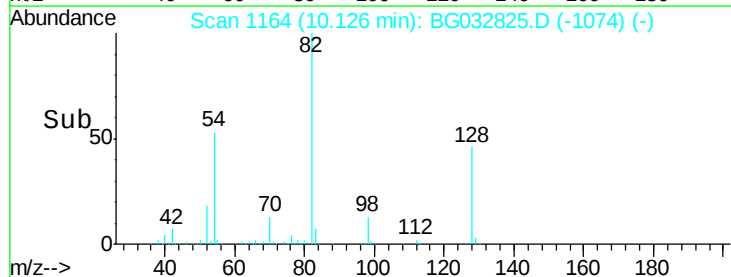
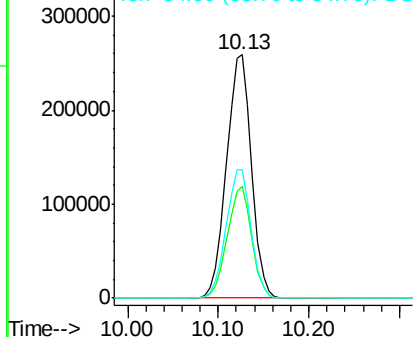


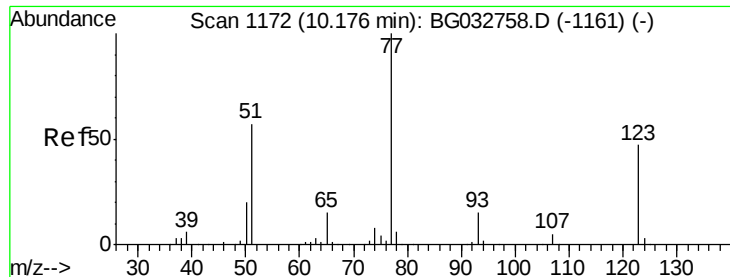
#23
Nitrobenzene-d5
Concen: 103.03 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Tgt Ion: 82	Resp:	493278
Ion	Ratio	Lower Upper
82	100	
128	45.8	29.7 44.5#
54	52.9	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

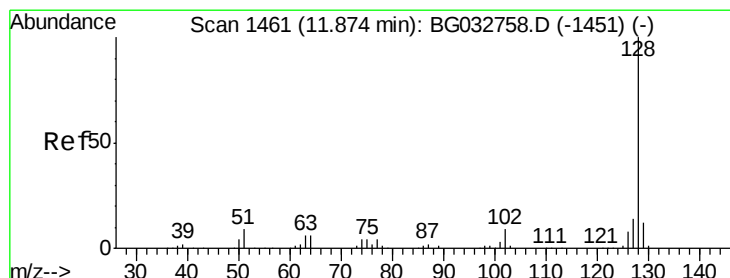
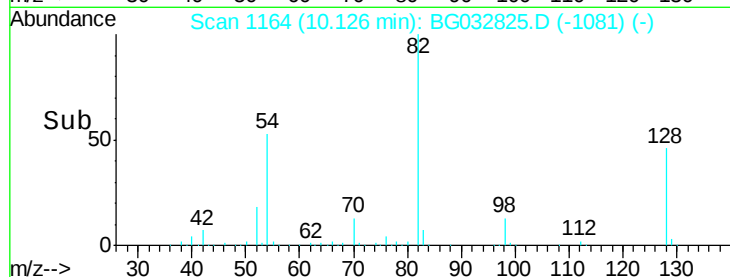
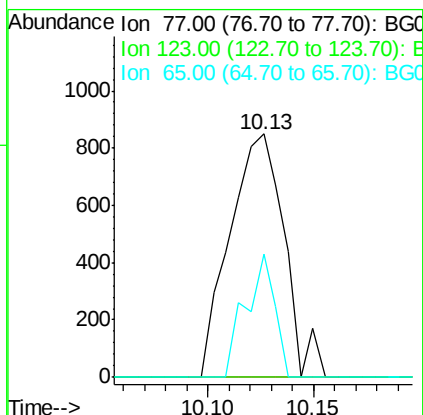
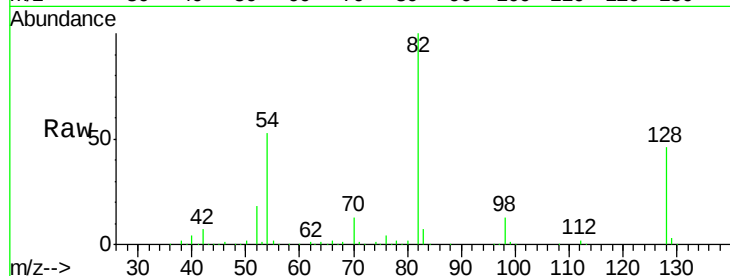




#24
 Nitrobenzene
 Concen: 6.63 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

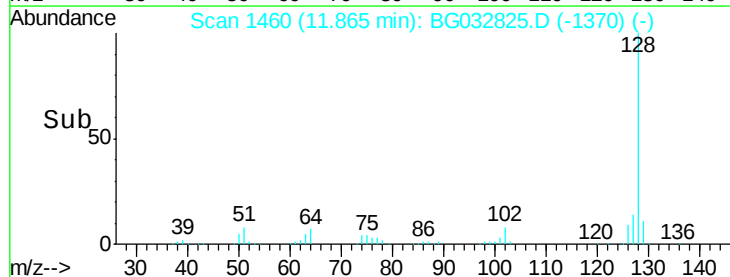
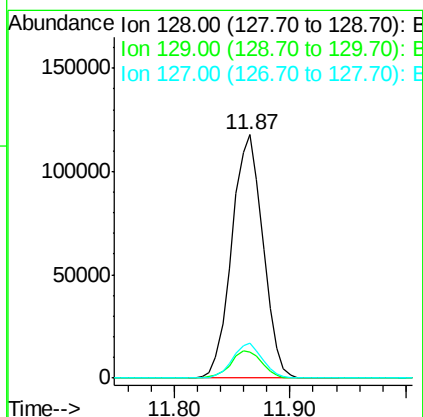
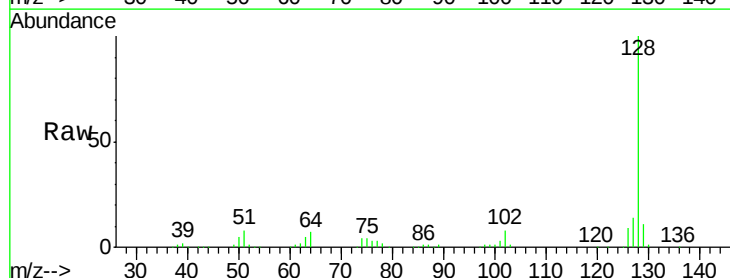
Instrument :
 BNA_G
 ClientSampleId :

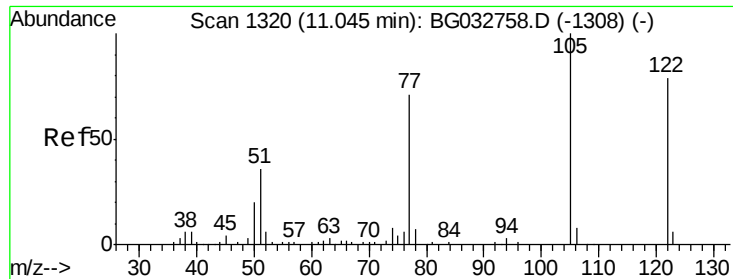
Tot Ion: 77 Resp: 1514
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 50.7 13.0 19.6#



#31
 Naphthalene
 Concen: 12.92 ng
 RT: 11.87 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Tgt Ion: 128 Resp: 219160
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 12.8
 127 14.4 11.6 17.4





#32

Benzoic acid

Concen: 5.84 ng

RT: 10.71 min Scan# 1263

Delta R.T. -0.33 min

Lab File: BG032825.D

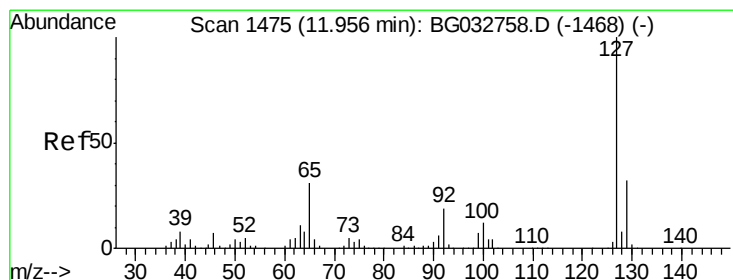
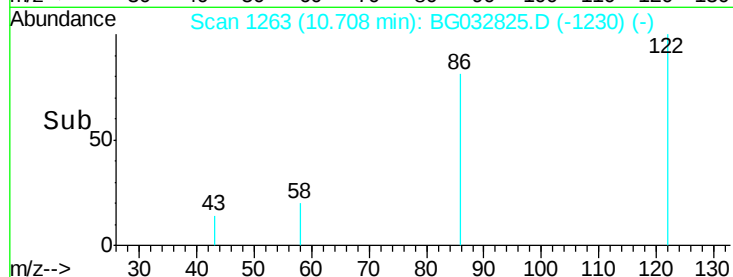
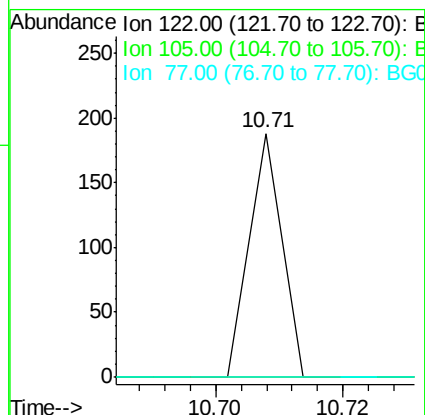
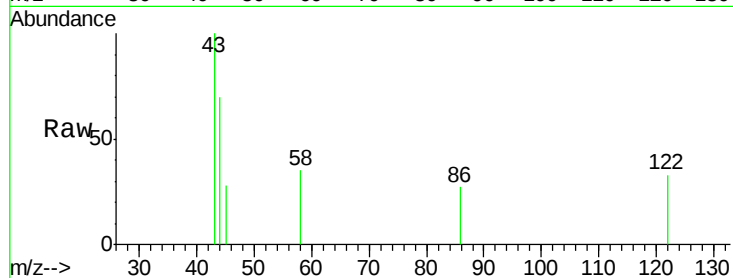
Acq: 26 Feb 2018 17:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	66
Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#33

4-Chloroaniline

Concen: 4.00 ng

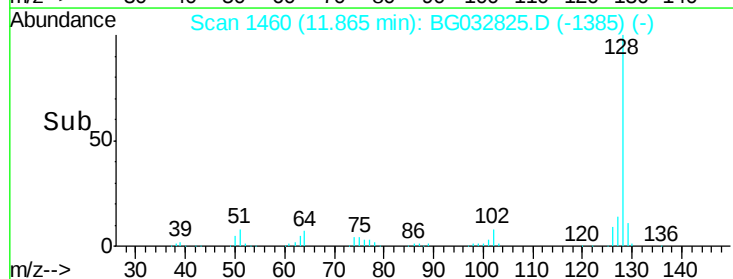
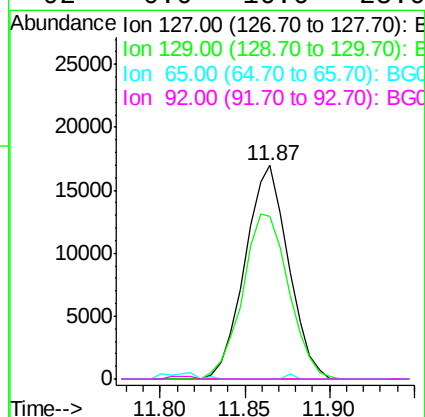
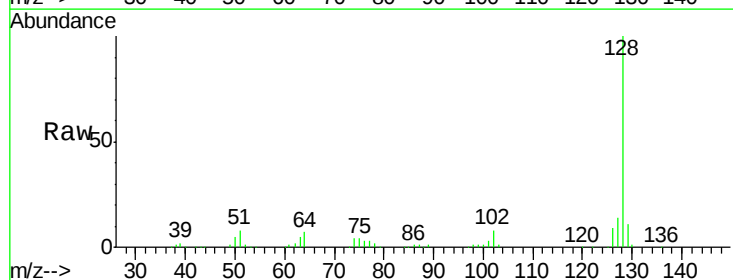
RT: 11.87 min Scan# 1460

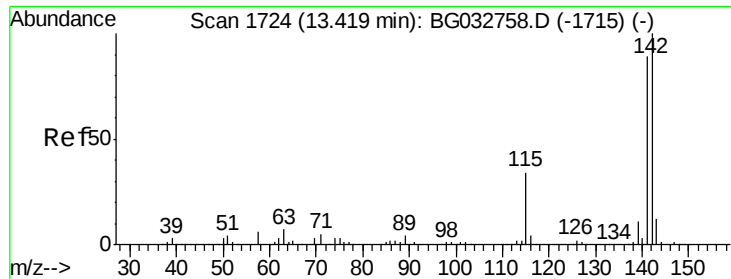
Delta R.T. -0.09 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Tgt Ion:	127	Resp:	30321
Ion	Ratio	Lower	Upper
127	100		
129	76.0	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

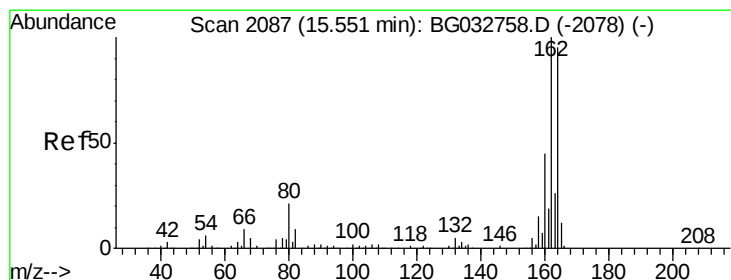
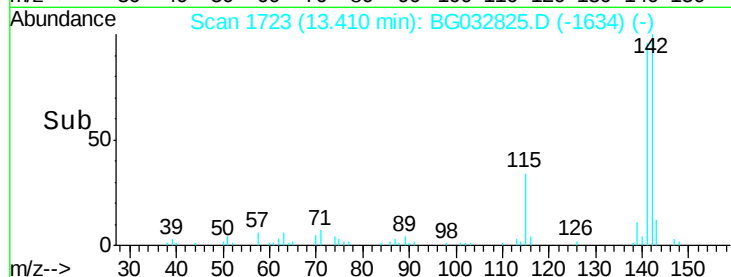
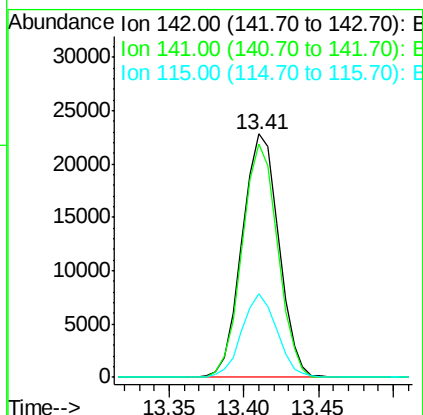
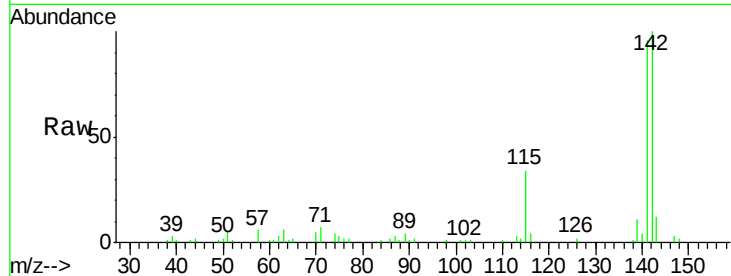




#37
2-Methylnaphthalene
Concen: 3.17 ng
RT: 13.41 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

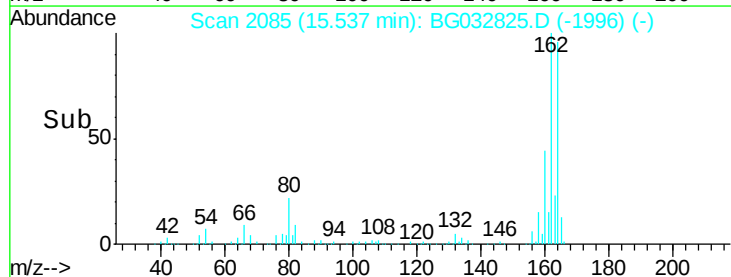
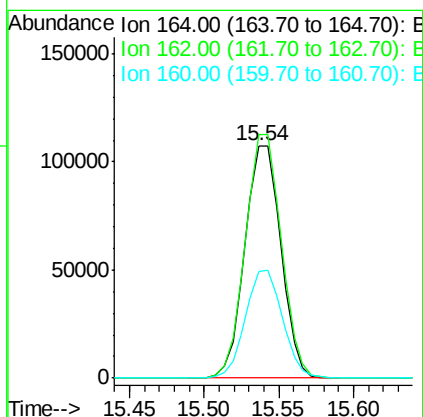
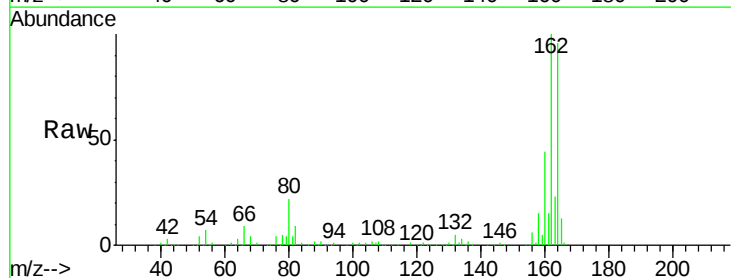
Instrument :
BNA_G
ClientSampleId :

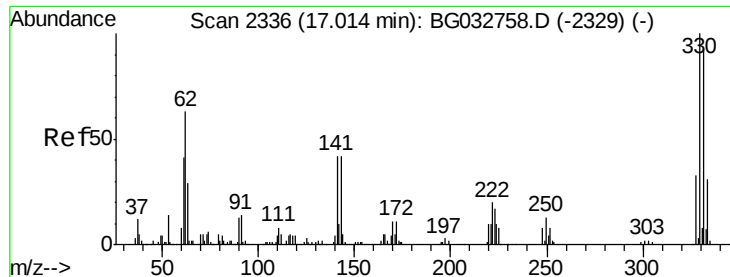
Tot Ion:142 Resp: 38963
Ion Ratio Lower Upper
142 100
141 95.7 67.1 100.7
115 34.2 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Tgt Ion:164 Resp: 179455
Ion Ratio Lower Upper
164 100
162 104.6 78.8 118.2
160 46.1 35.4 53.0

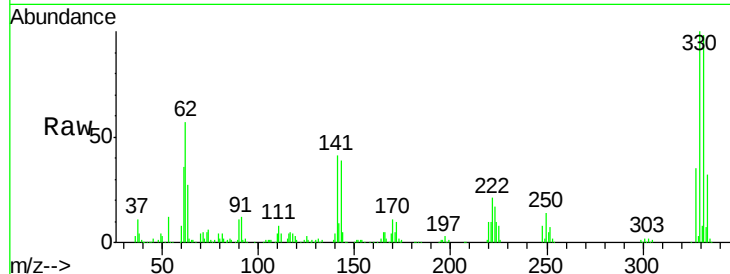




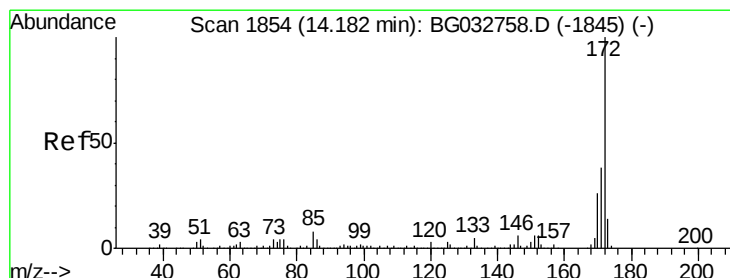
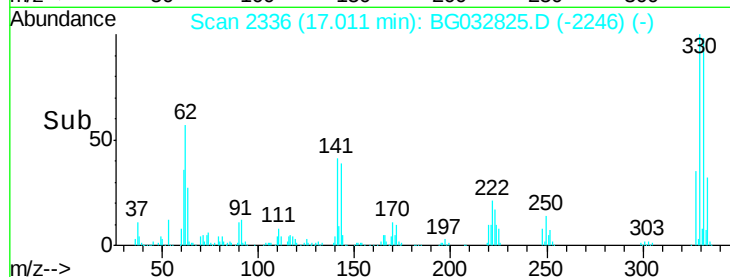
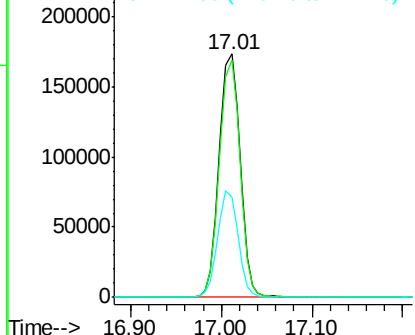
#41
 2,4,6-Tribromophenol
 Concen: 148.94 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 281036
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.4 25.2 37.8#

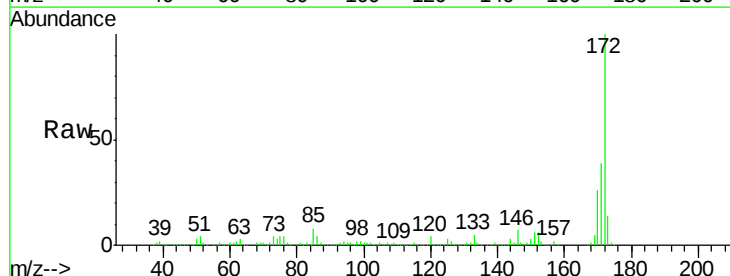


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

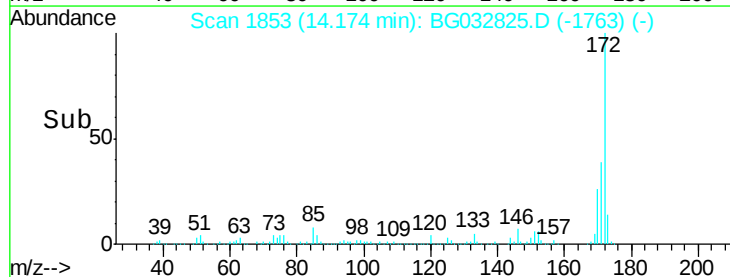
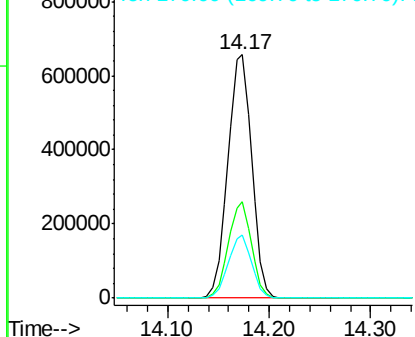


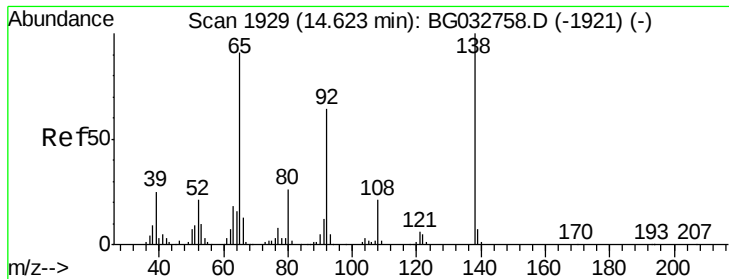
#44
 2-Fluorobiphenyl
 Concen: 86.23 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Tgt Ion:172 Resp: 1072881
 Ion Ratio Lower Upper
 172 100
 171 39.5 30.0 45.0
 170 25.9 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

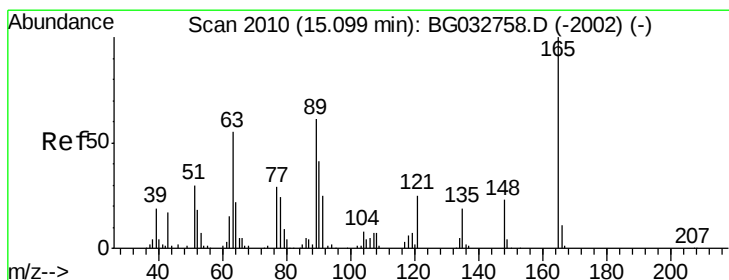
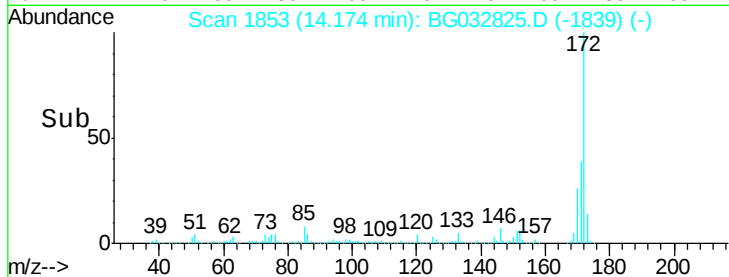
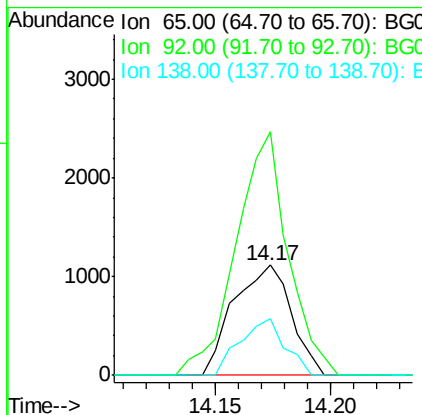
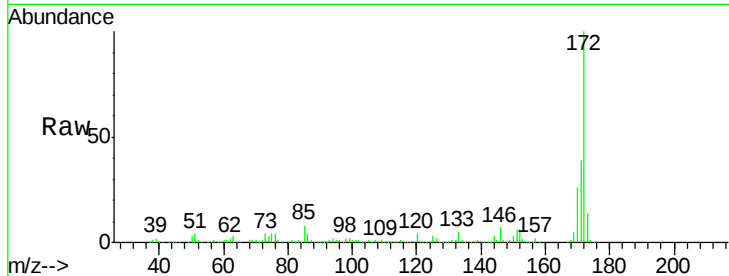




#47
 2-Nitroaniline
 Concen: 10.35 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.45 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

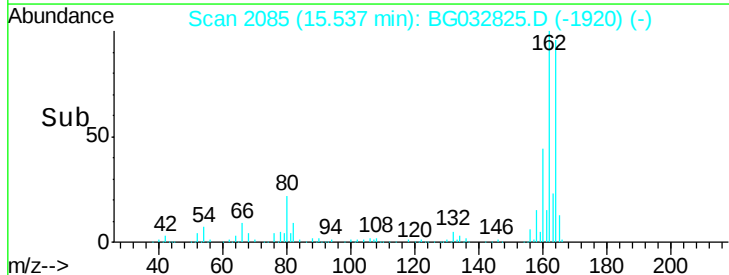
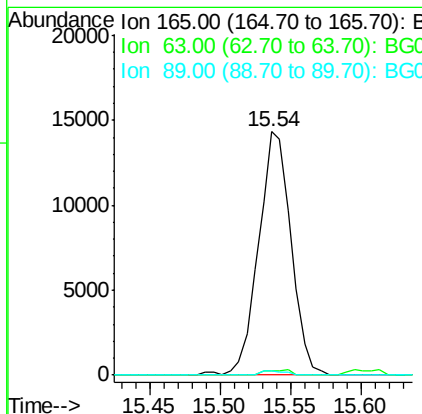
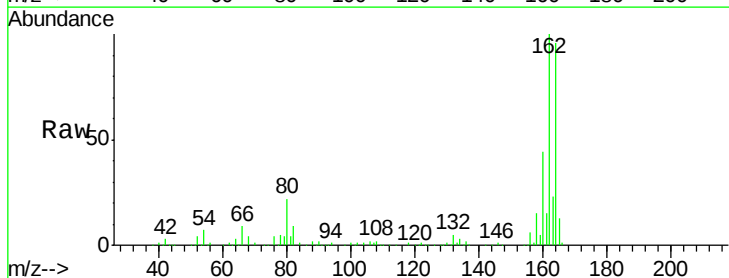
Instrument :
 BNA_G
 ClientSampleId :

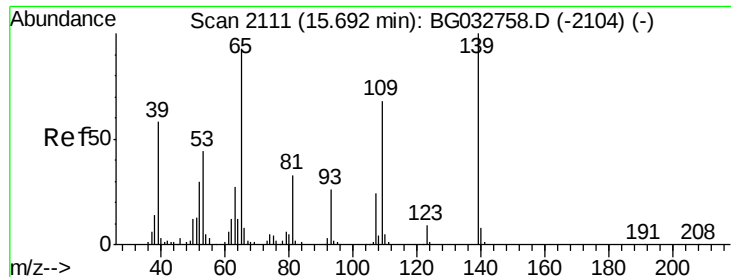
Tot Ion: 65 Resp: 1925
 Ion Ratio Lower Upper
 65 100
 92 221.1 54.6 82.0#
 138 51.5 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.37 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. 0.44 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Tgt Ion: 165 Resp: 23139
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 1.6 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.64 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Instrument :

BNA_G

ClientSampleId :

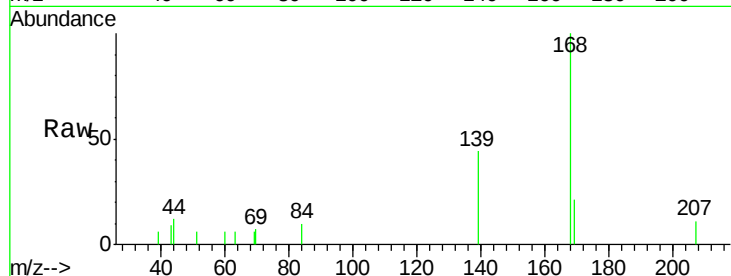
Tot Ion:139 Resp: 1538

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

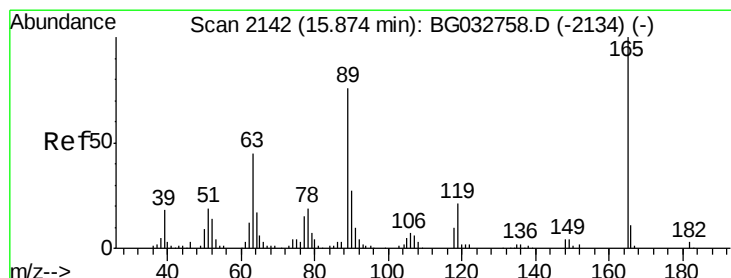
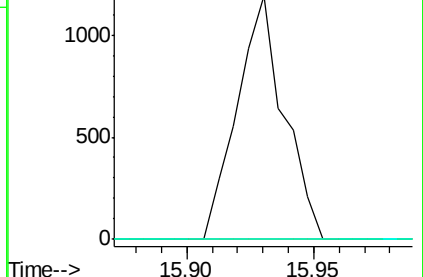
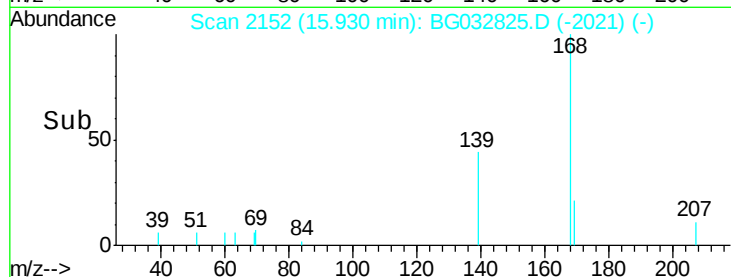
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.57 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Tgt Ion:165 Resp: 23139

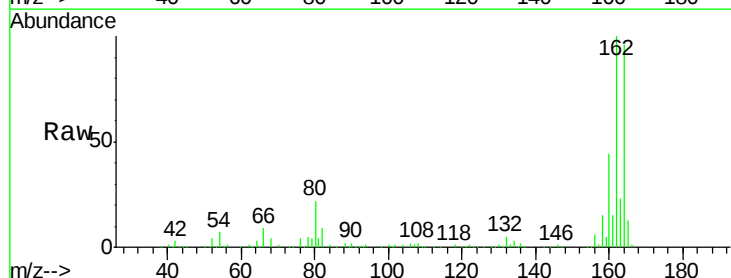
Ion Ratio Lower Upper

165 100

63 1.8 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

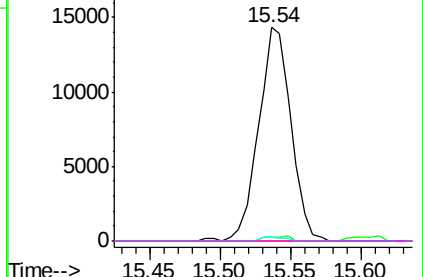
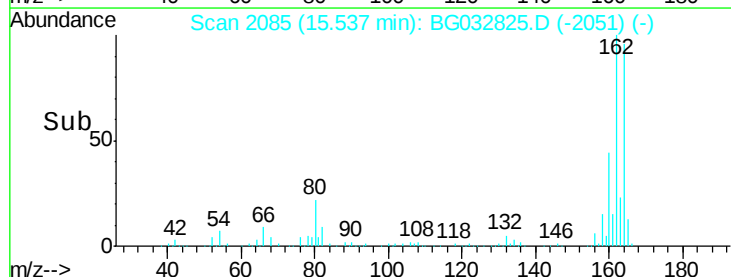


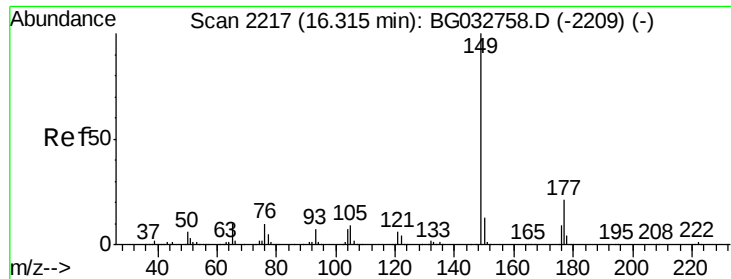
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

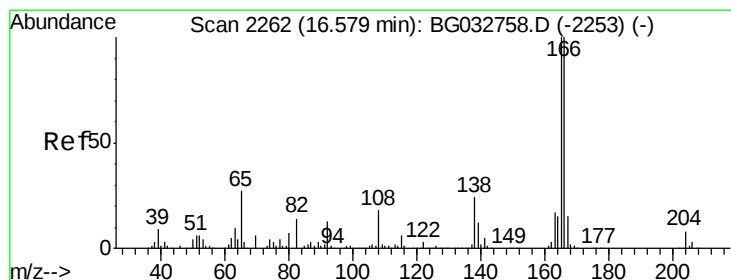
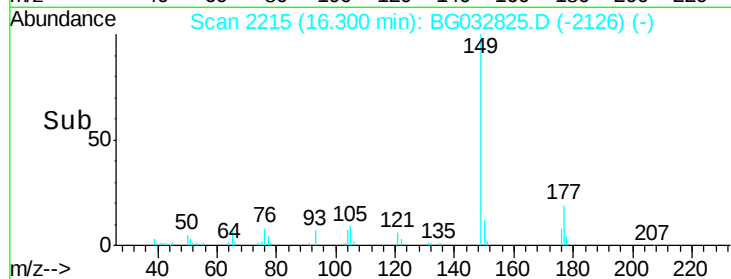
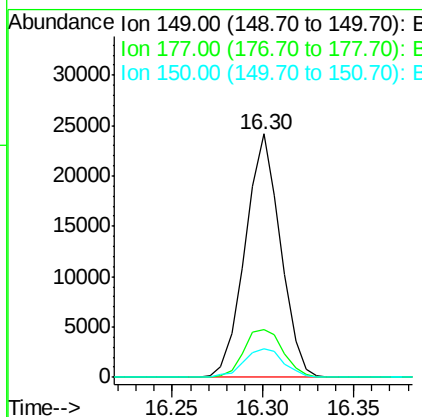
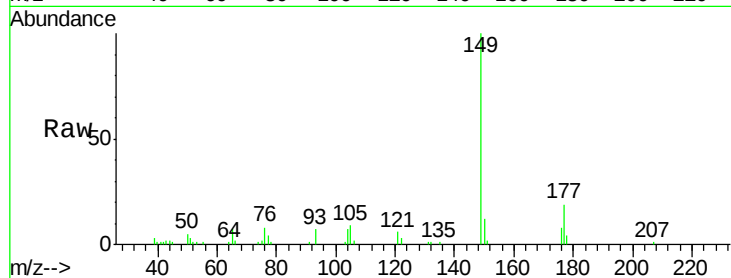




#59
Diethylphthalate
Concen: 2.03 ng
RT: 16.30 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

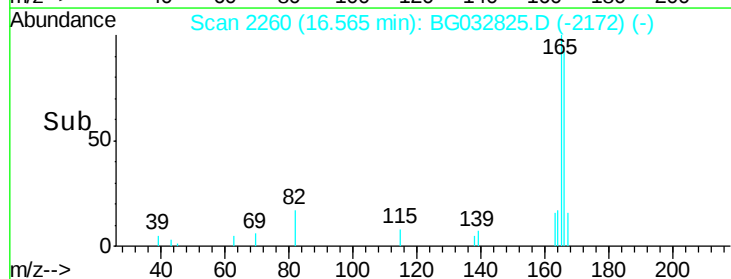
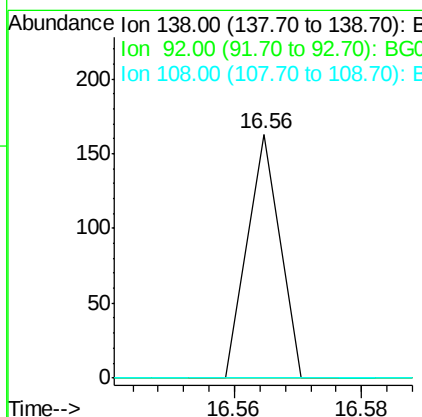
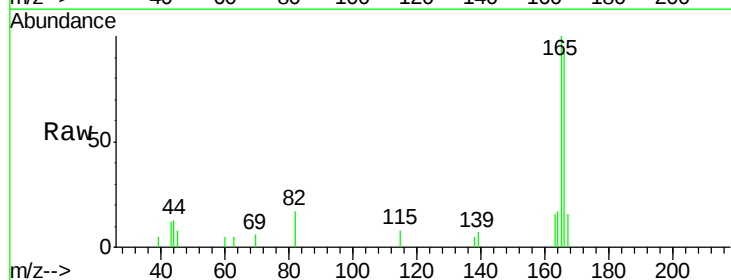
Instrument :
BNA_G
ClientSampleId :

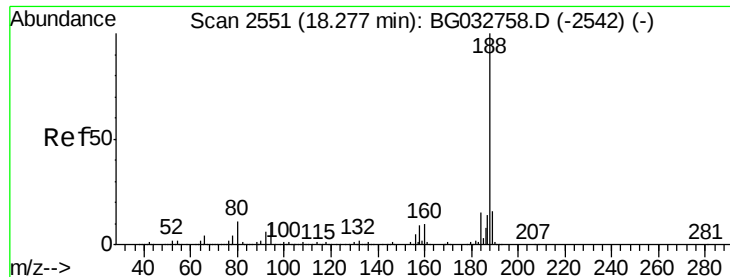
Tot Ion:149 Resp: 32684
Ion Ratio Lower Upper
149 100
177 19.4 18.5 27.7
150 11.9 10.2 15.2



#61
4-Nitroaniline
Concen: 5.32 ng
RT: 16.56 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

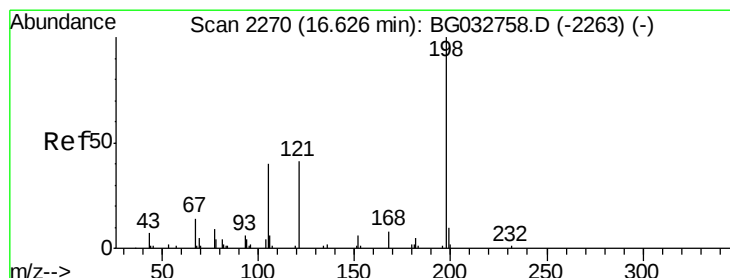
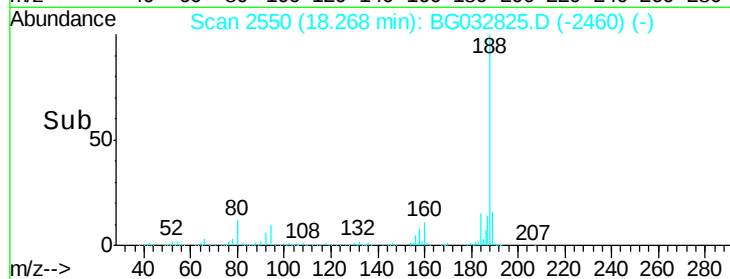
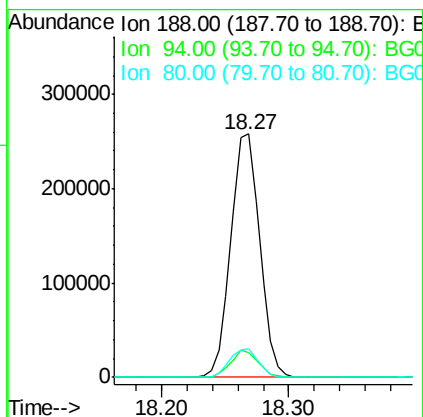
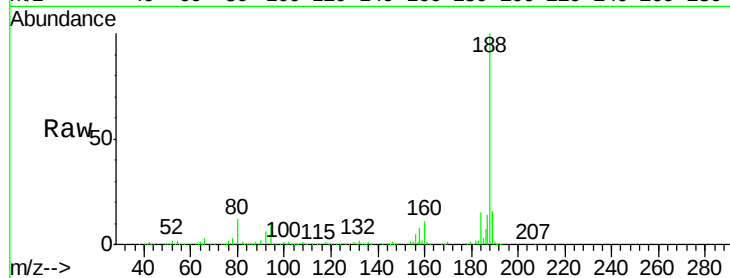




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

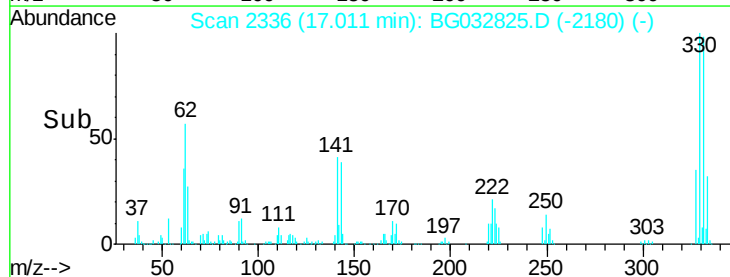
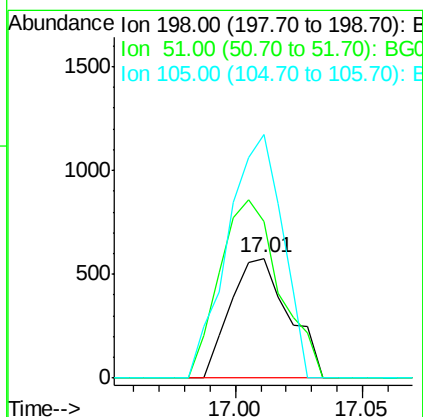
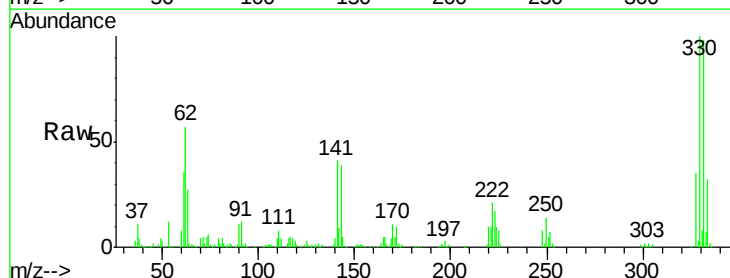
Instrument :
 BNA_G
 ClientSampleId :

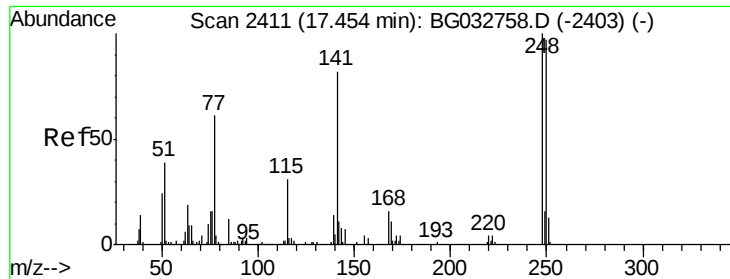
Tot Ion:188 Resp: 406304
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.9 10.3#
 80 11.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.91 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. 0.39 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Tgt Ion:198 Resp: 925
 Ion Ratio Lower Upper
 198 100
 51 130.6 30.6 70.6#
 105 202.8 23.8 63.8#

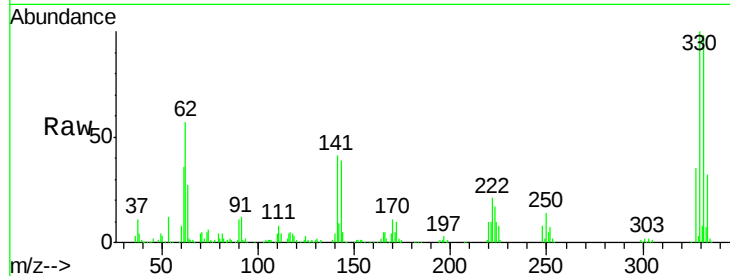




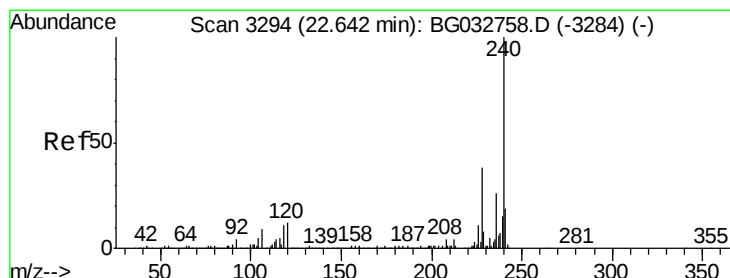
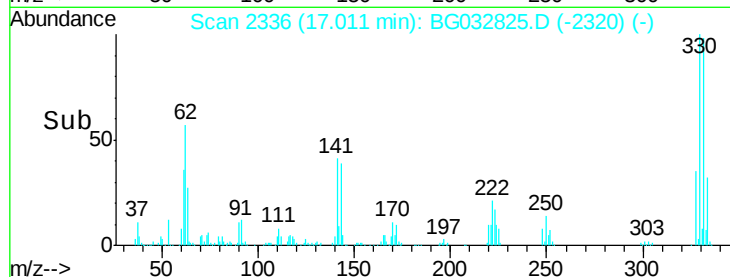
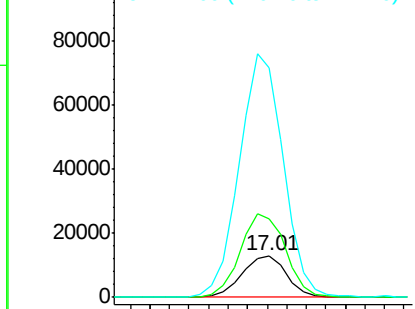
#66
 4-Bromophenyl-phenylether
 Concen: 4.77 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 20497
 Ion Ratio Lower Upper
 248 100
 250 188.9 77.1 115.7#
 141 550.4 50.8 76.2#

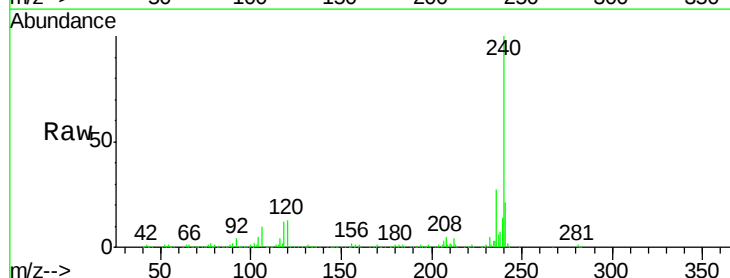


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

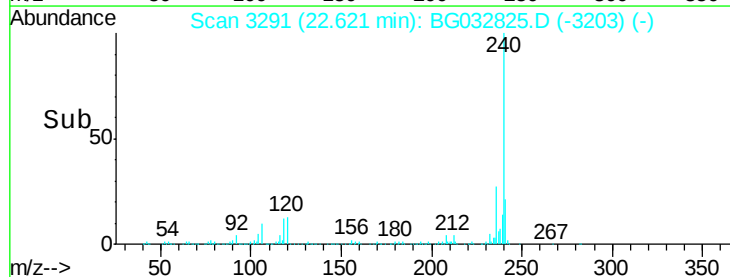
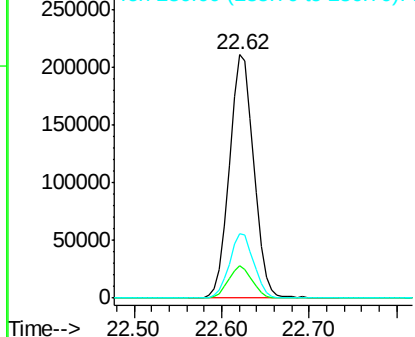


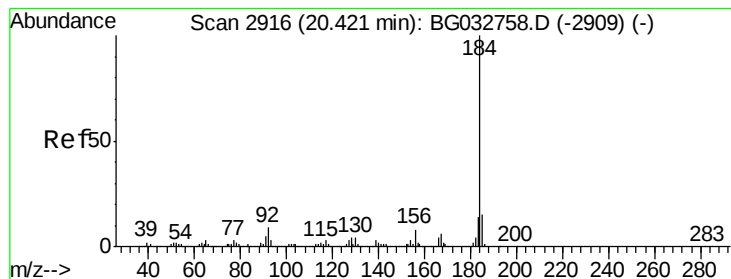
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032825.D
 Acq: 26 Feb 2018 17:09

Tgt Ion:240 Resp: 399955
 Ion Ratio Lower Upper
 240 100
 120 13.2 6.8 10.2#
 236 26.5 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: 2.03 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

Instrument :

BNA_G

ClientSampleId :

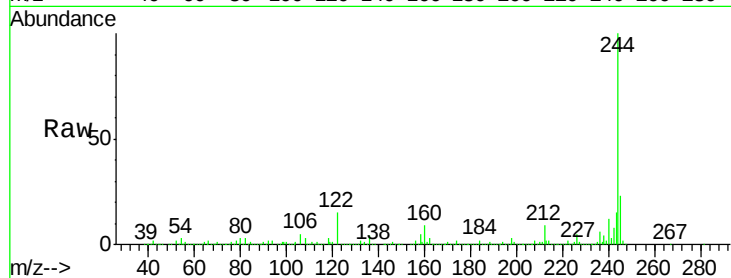
Tot Ion:184 Resp: 27677

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

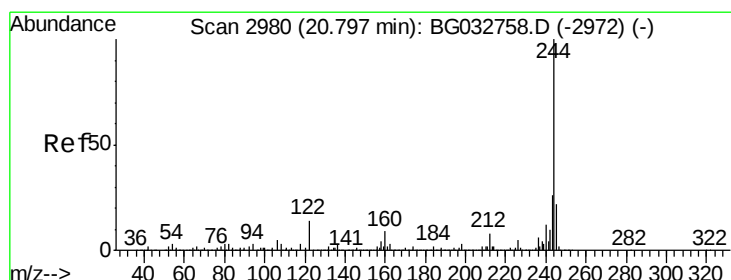
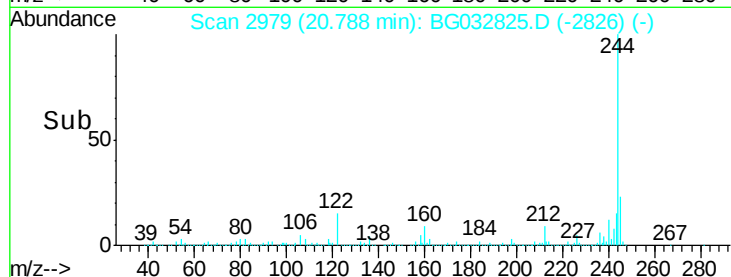
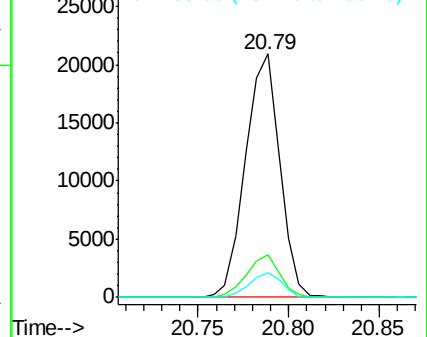
183 10.1 10.6 16.0#



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: 91.92 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.00 min

Lab File: BG032825.D

Acq: 26 Feb 2018 17:09

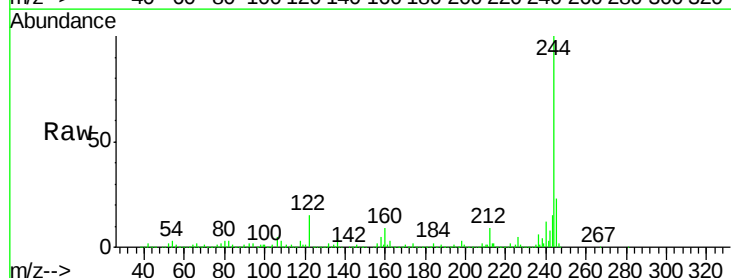
Tgt Ion:244 Resp: 1636362

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

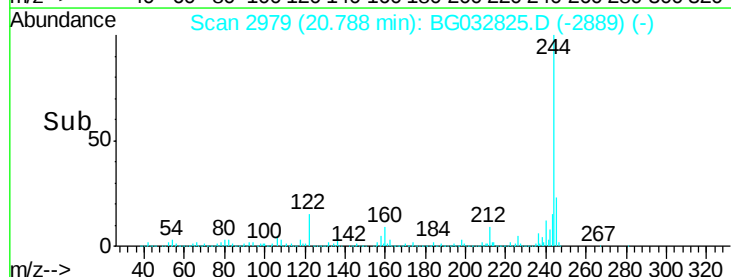
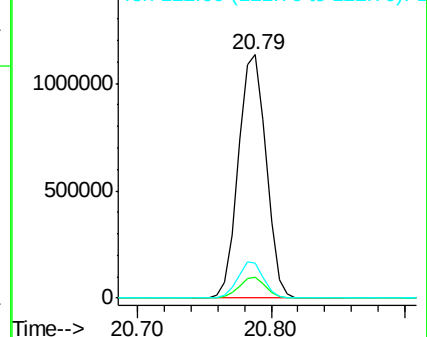
122 14.6 7.0 10.4#

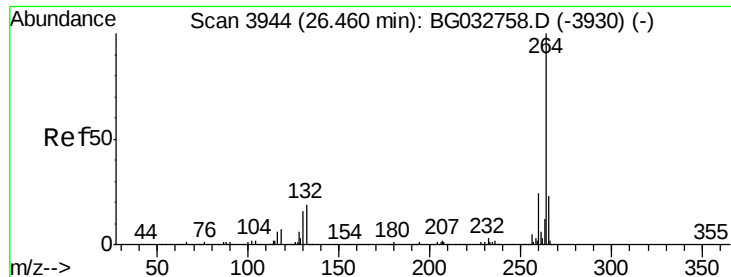


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.43 min Scan# 3940
Delta R.T. -0.00 min
Lab File: BG032825.D
Acq: 26 Feb 2018 17:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.7	17.7	26.5

