

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032813.D
 Acq On : 24 Feb 2018 6:16
 Operator : SJ/JU
 Sample : PB106794TB
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 25 23:42:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

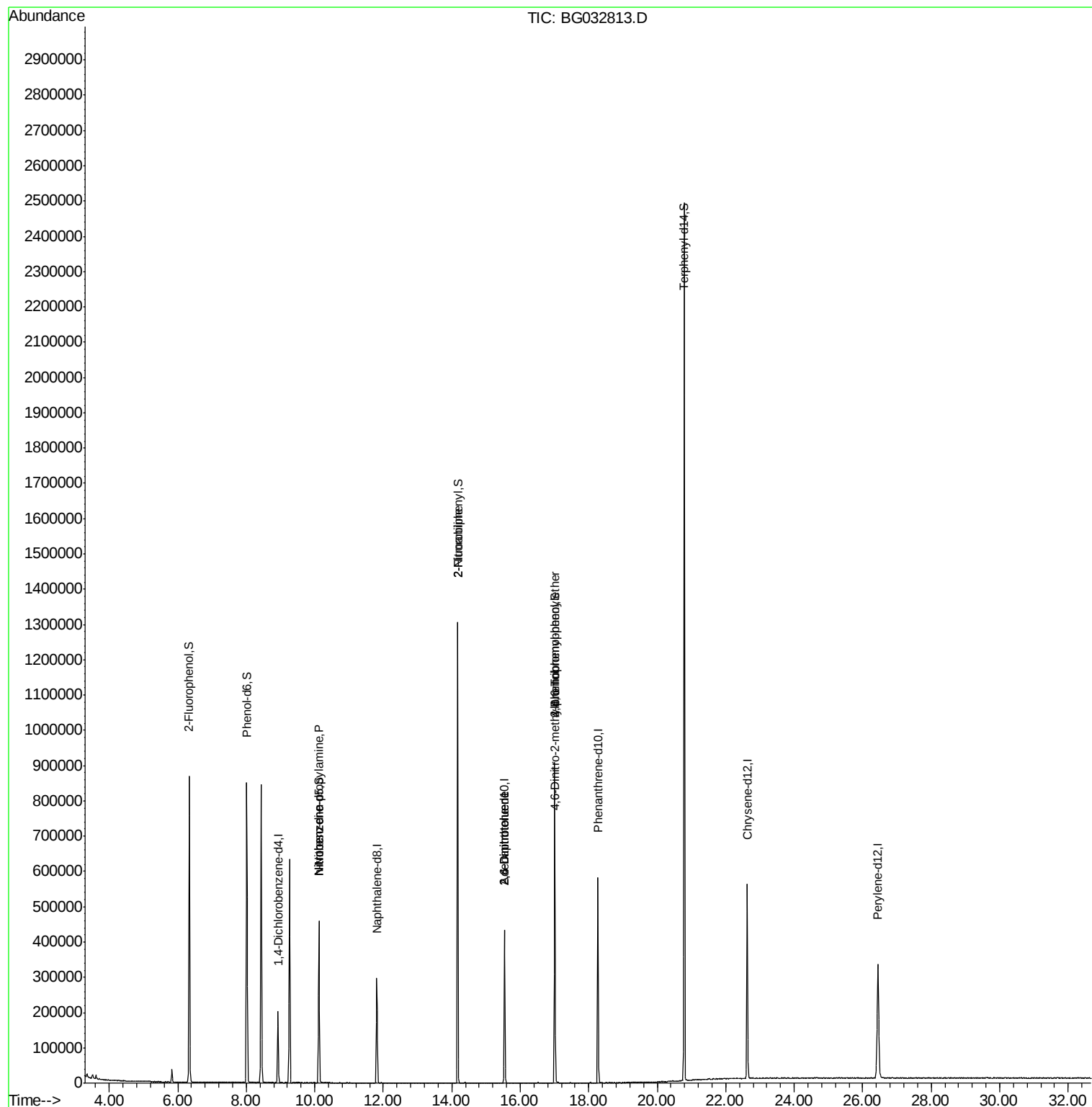
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	65112	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	271252	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	147406	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	350381	20.00	ng	0.00
75) Chrysene-d12	22.63	240	361529	20.00	ng	0.00
86) Perylene-d12	26.44	264	380987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	418897	102.93	ng	0.00
7) Phenol-d6	8.02	99	541574	95.47	ng	0.00
23) Nitrobenzene-d5	10.12	82	288020	75.00	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	166663	107.53	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	685769	67.10	ng	0.00
78) Terphenyl-d14	20.79	244	1107095	68.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	36915	9.22	ng	# 81
24) Nitrobenzene	10.11	77	888	6.56	ng	# 42
47) 2-Nitroaniline	14.17	65	1158	10.22	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	19527	16.58	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	19527	14.78	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	649	5.74	ng	95
66) 4-Bromophenyl-phenylether	17.01	248	12323	3.33	ng	# 1

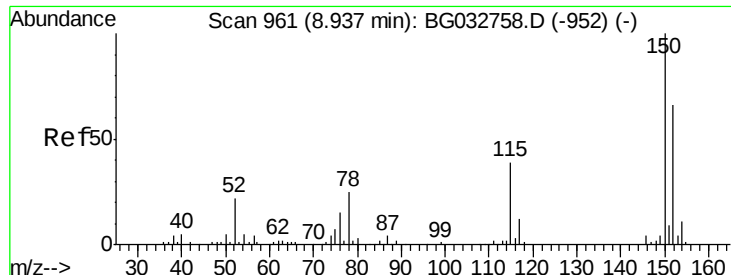
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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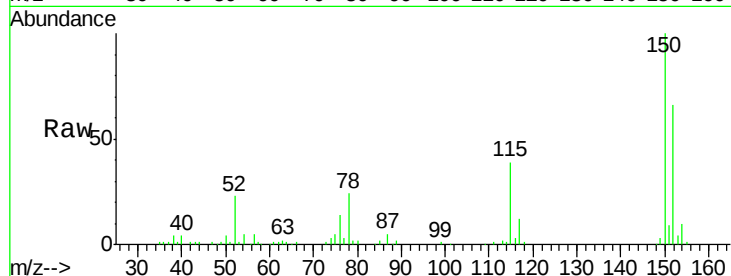


#1

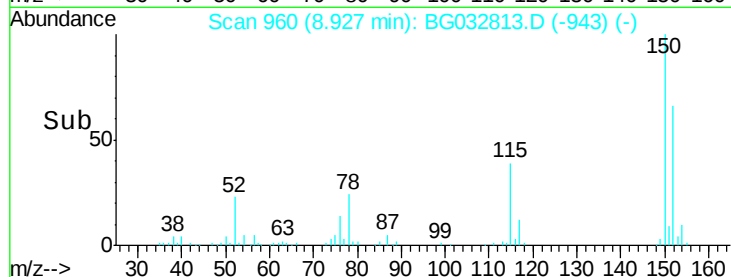
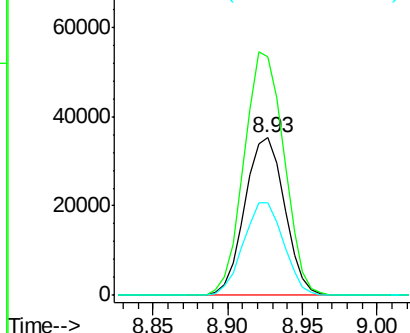
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032813.D
Acq: 24 Feb 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65112
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 58.8 53.0 79.4



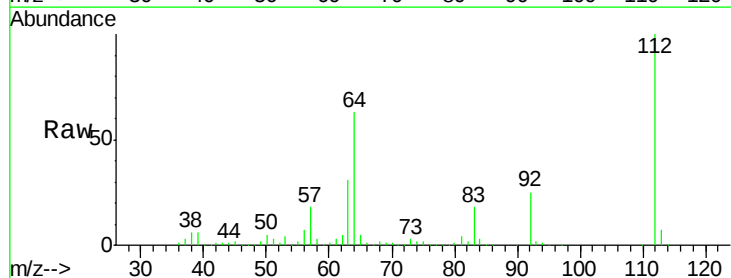
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



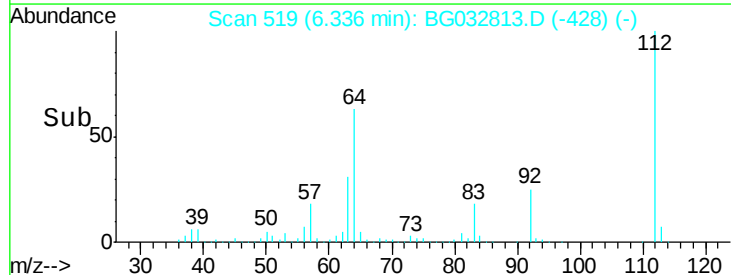
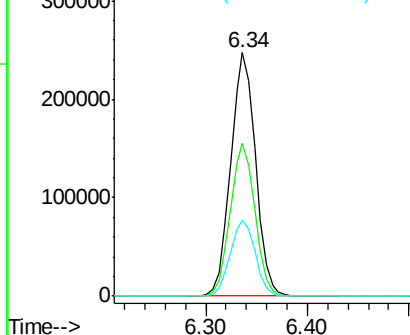
#5

2-Fluorophenol
Concen: 102.93 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032813.D
Acq: 24 Feb 2018 6:16

Tgt Ion:112 Resp: 418897
Ion Ratio Lower Upper
112 100
64 62.7 56.3 84.5
63 31.1 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: 95.47 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

Instrument :

BNA_G

ClientSampleId :

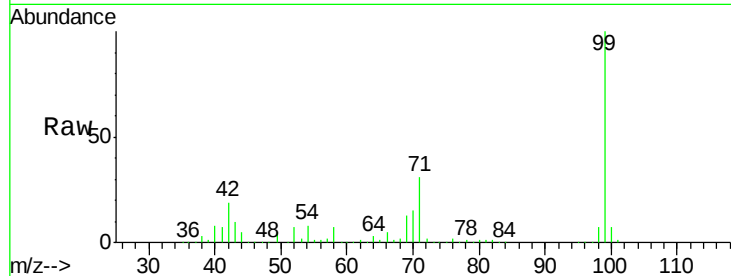
Tot Ion: 99 Resp: 541574

Ion Ratio Lower Upper

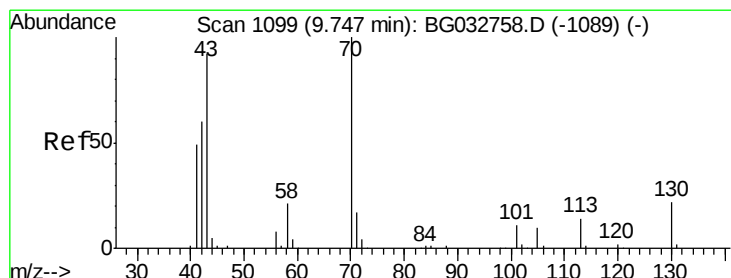
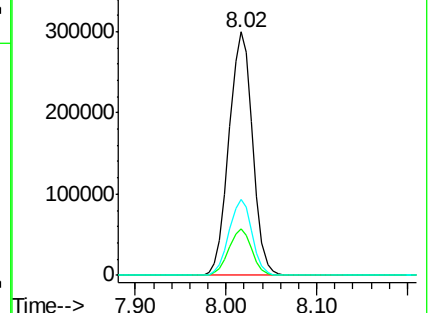
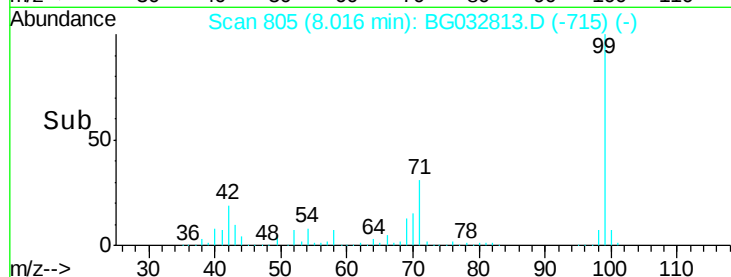
99 100

42 19.3 14.1 21.1

71 31.3 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: 9.22 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

Tgt Ion: 70 Resp: 36915

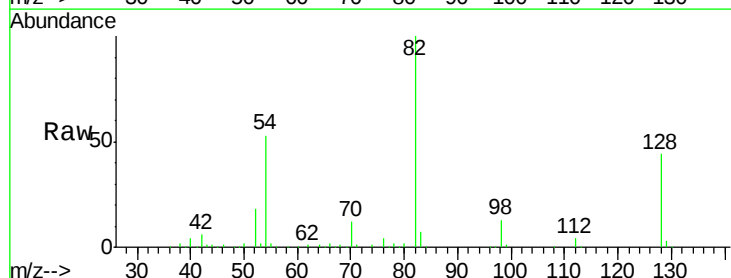
Ion Ratio Lower Upper

70 100

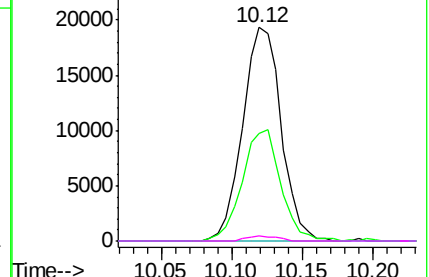
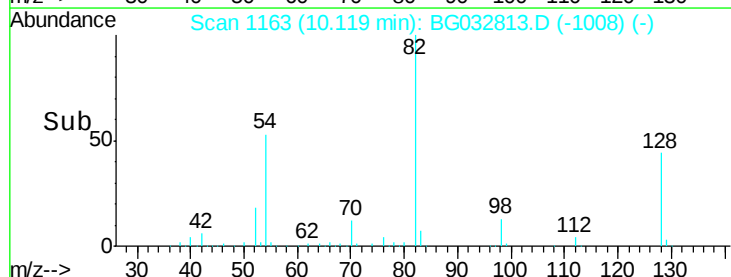
42 50.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 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

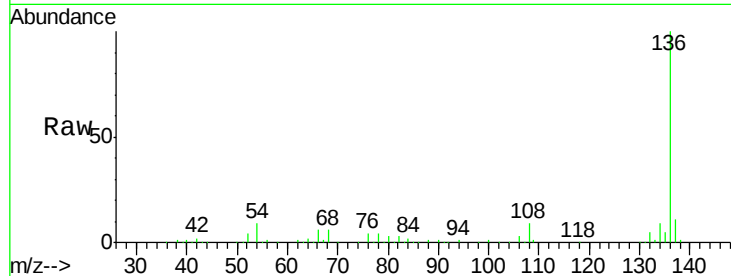




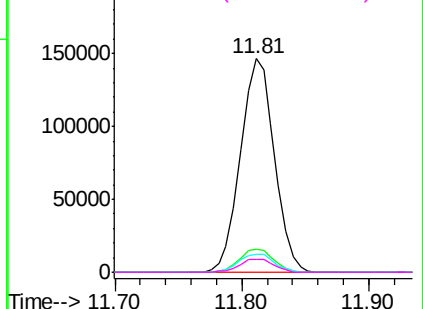
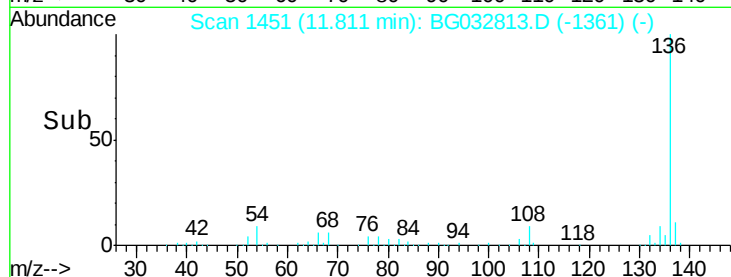
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032813.D
Acq: 24 Feb 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	271252
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	8.7	10.3 15.5
68	6.1	4.5 6.7

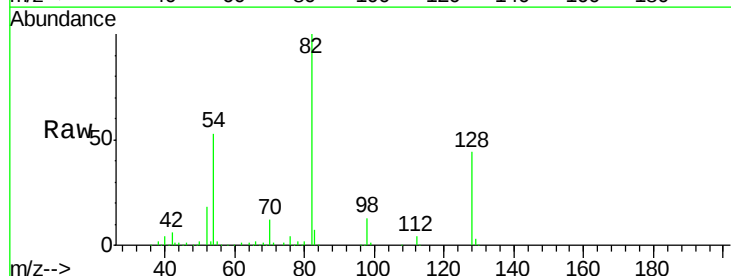


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

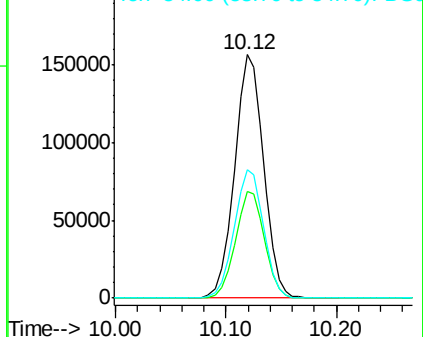
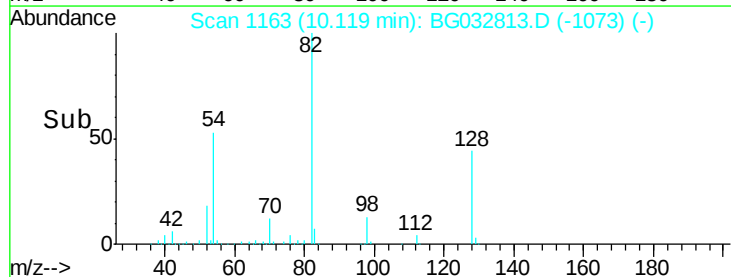


#23
Nitrobenzene-d5
Concen: 75.00 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032813.D
Acq: 24 Feb 2018 6:16

Tgt Ion: 82	Resp:	288020
Ion Ratio	Lower	Upper
82	100	
128	43.5	29.7 44.5
54	52.6	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

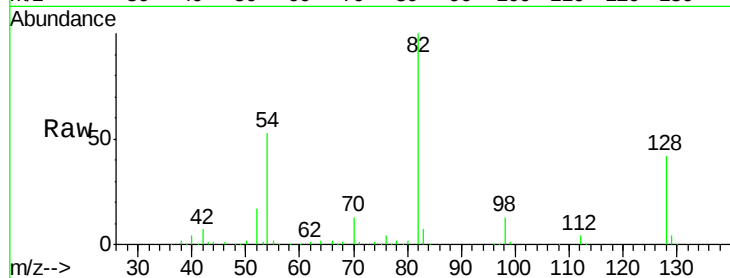




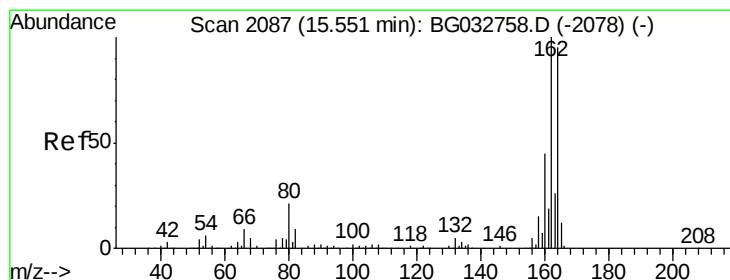
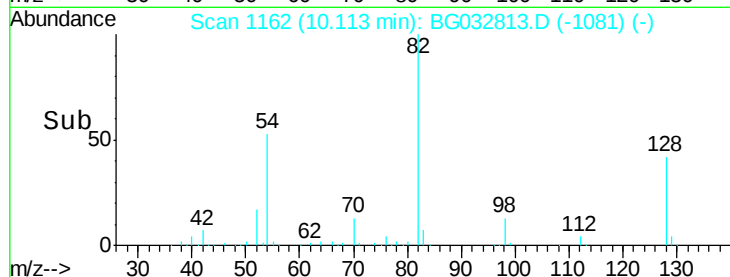
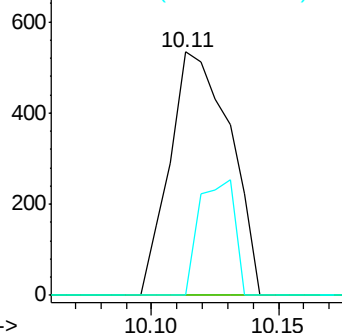
#24
 Nitrobenzene
 Concen: 6.56 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.06 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 888
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#

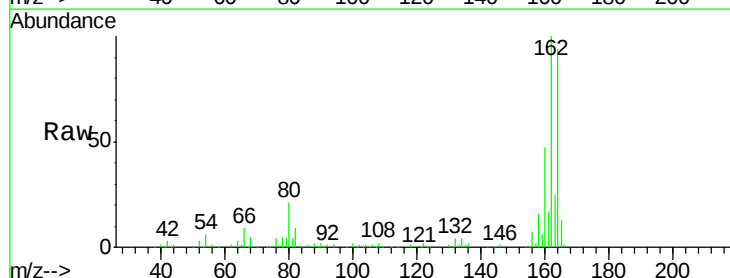


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

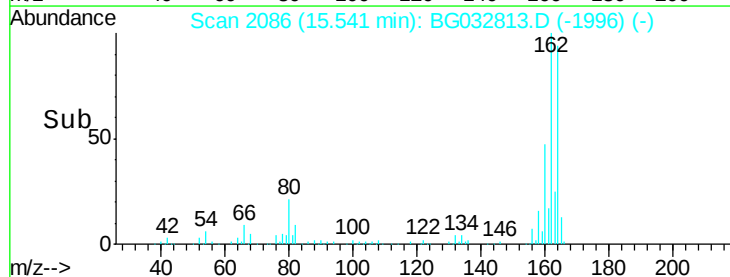
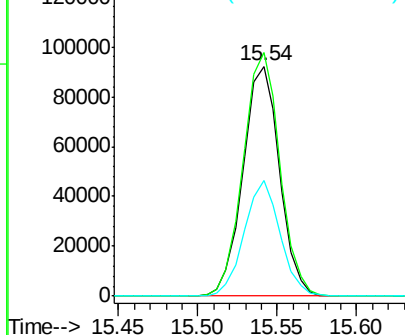


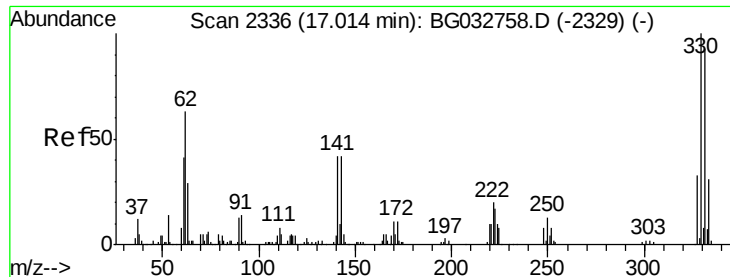
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Tgt Ion:164 Resp: 147406
 Ion Ratio Lower Upper
 164 100
 162 105.9 78.8 118.2
 160 50.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

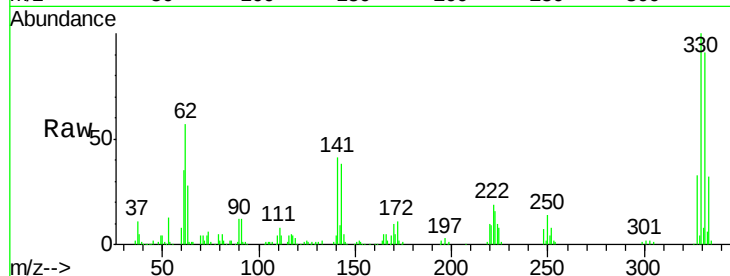




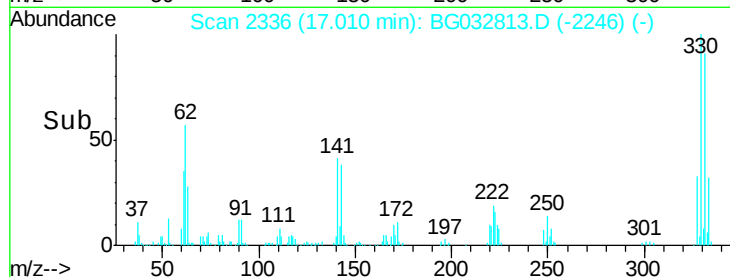
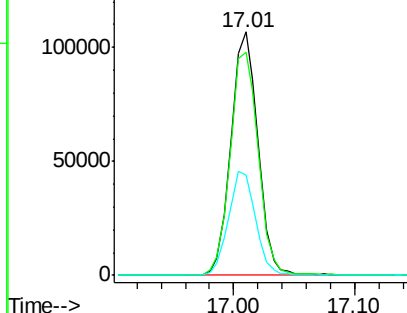
#41
 2,4,6-Tribromophenol
 Concen: 107.53 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	43.0	25.2	37.8#

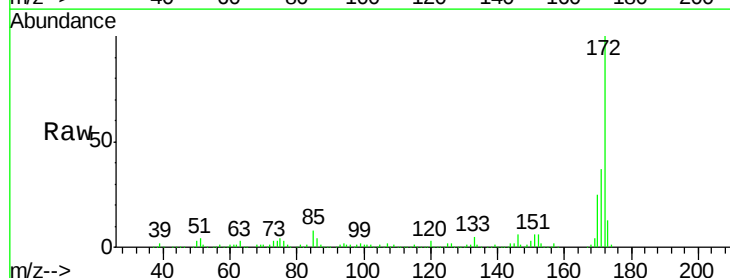


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

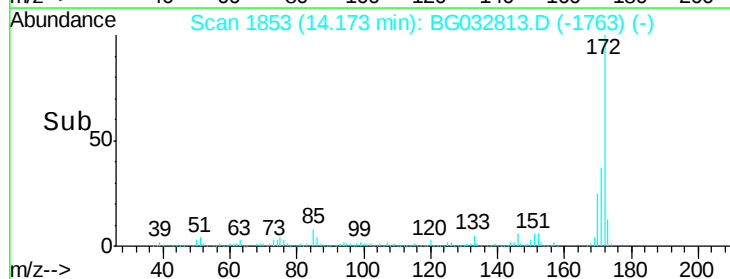
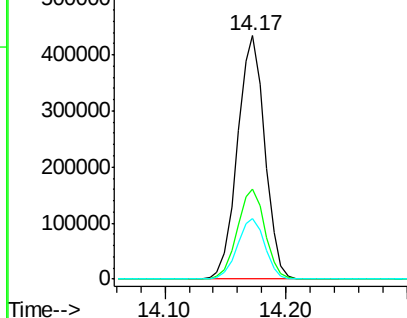


#44
 2-Fluorobiphenyl
 Concen: 67.10 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	25.0	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

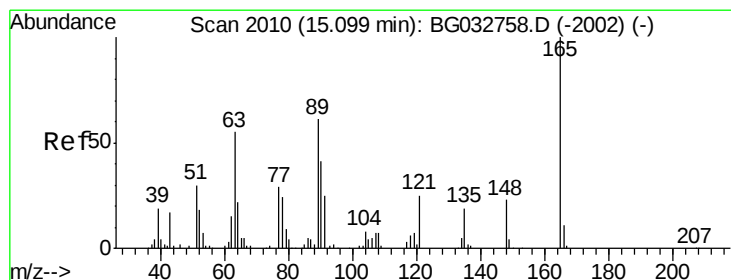
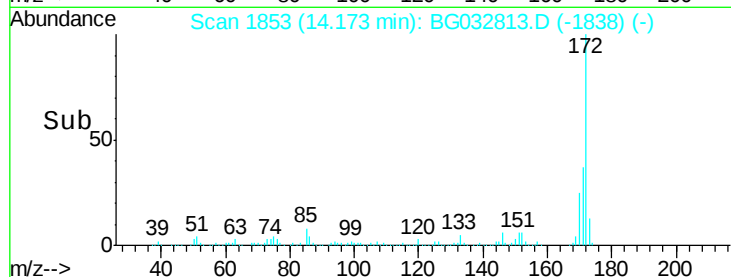
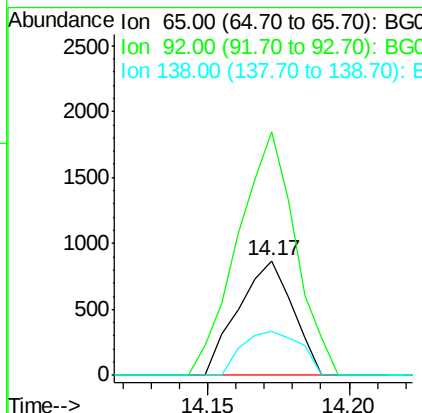
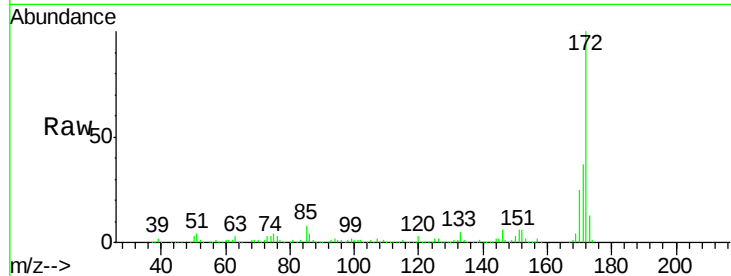




#47
 2-Nitroaniline
 Concen: 10.22 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.44 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

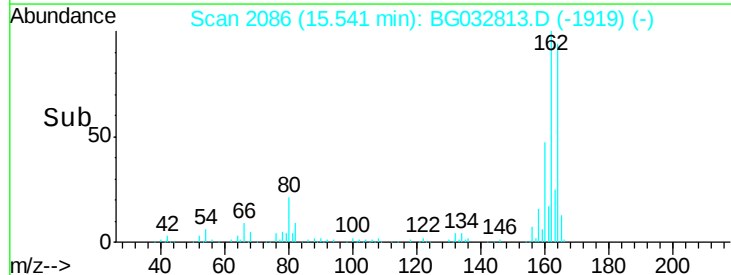
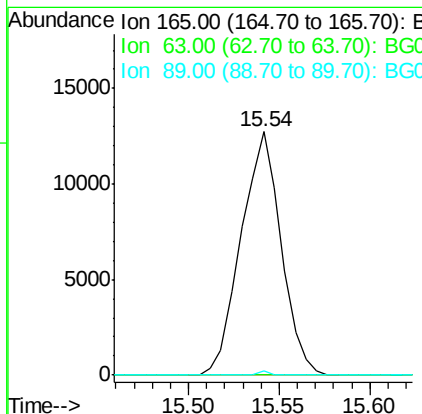
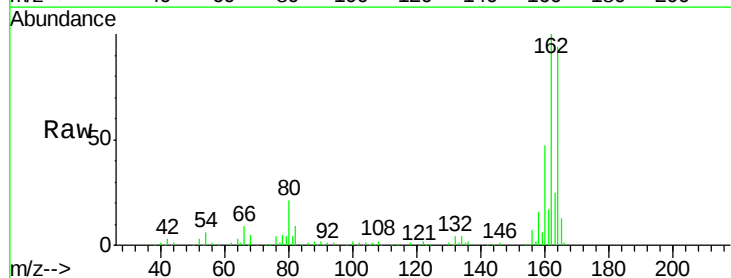
Instrument :
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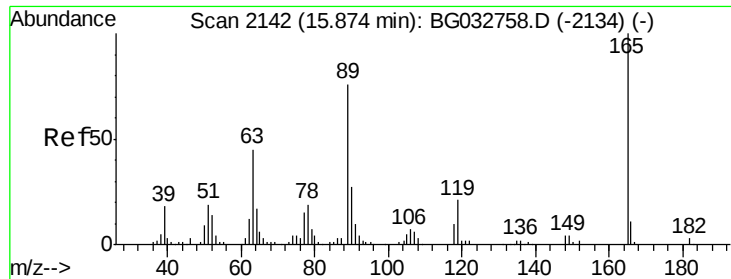
Tot Ion: 65 Resp: 1158
 Ion Ratio Lower Upper
 65 100
 92 212.7 54.6 82.0#
 138 38.8 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.58 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. 0.45 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Tgt Ion: 165 Resp: 19527
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.9 49.2 73.8#

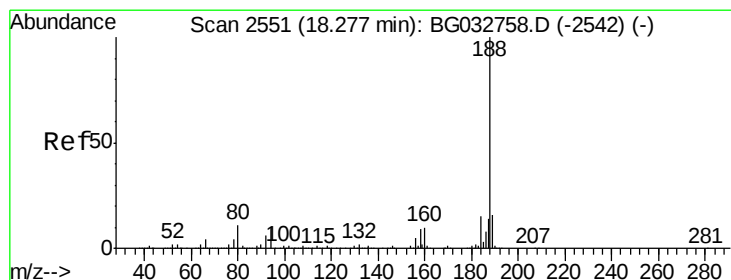
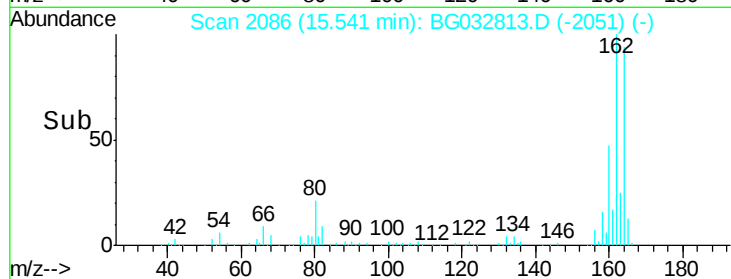
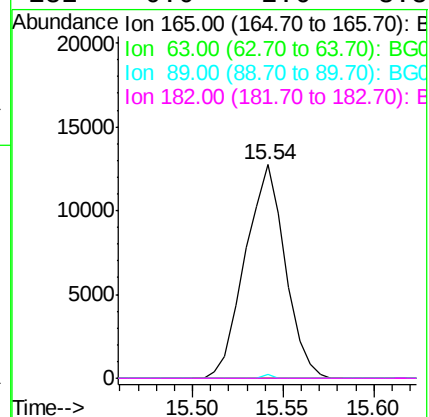
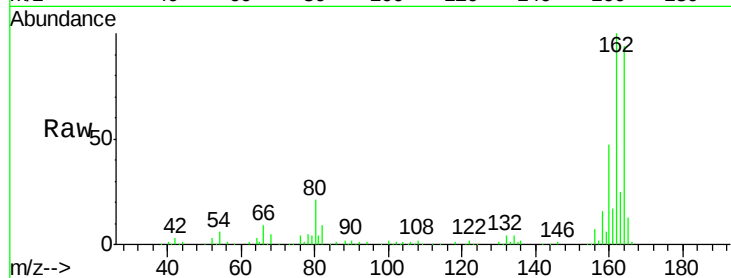




#56
 2,4-Dinitrotoluene
 Concen: 14.78 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.33 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

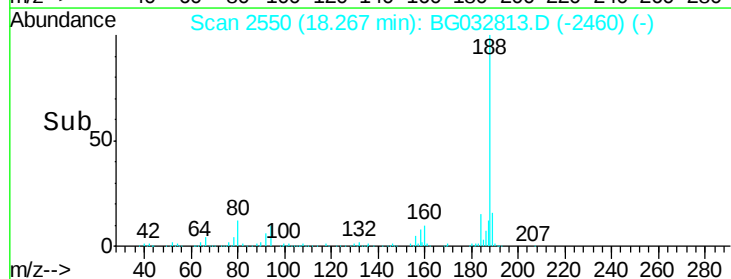
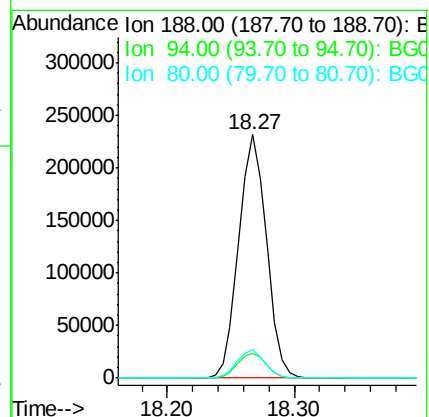
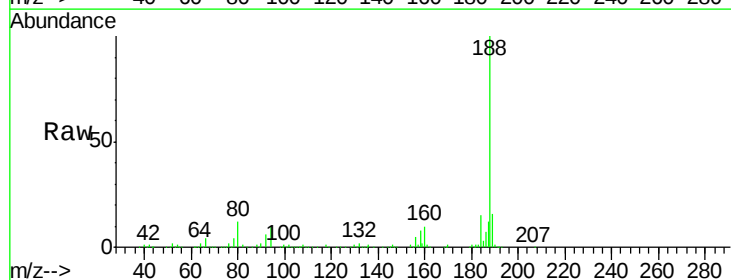
Instrument :
 BNA_G
 ClientSampleId :

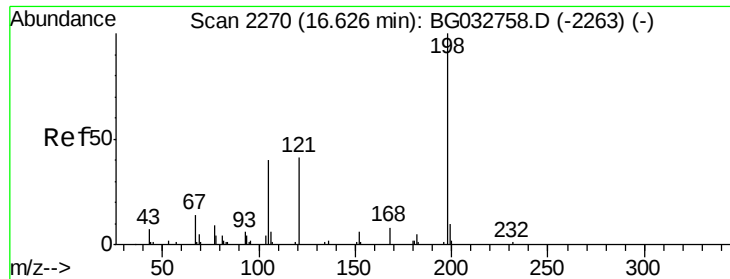
Tot Ion:	165	Resp:	19527
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BG032813.D
 Acq: 24 Feb 2018 6:16

Tgt Ion:	188	Resp:	350381
Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	11.5	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.74 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.37 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

Instrument :

BNA_G

ClientSampled :

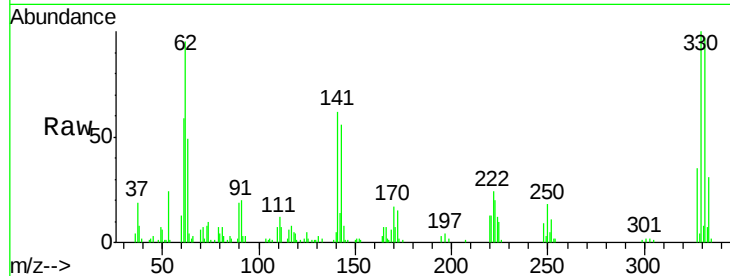
Tot Ion:198 Resp: 649

Ion Ratio Lower Upper

198 100

51 56.5 30.6 70.6

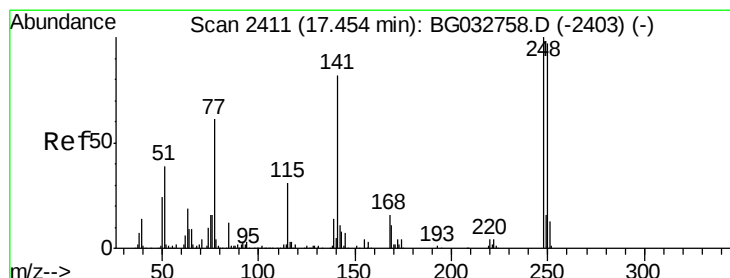
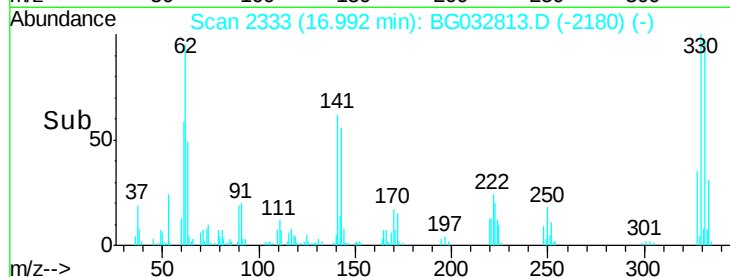
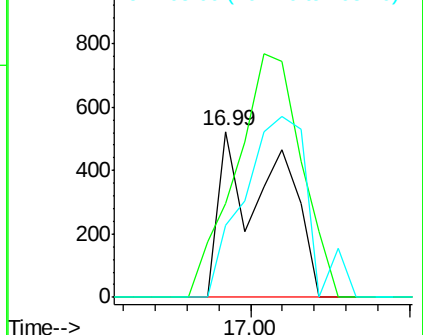
105 43.3 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

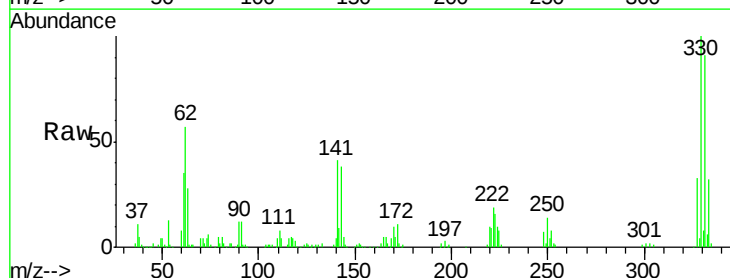
Tgt Ion:248 Resp: 12323

Ion Ratio Lower Upper

248 100

250 193.8 77.1 115.7#

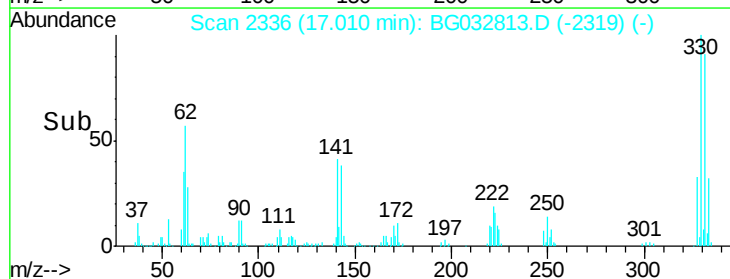
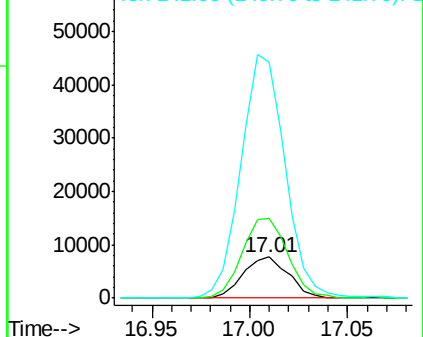
141 571.5 50.8 76.2#

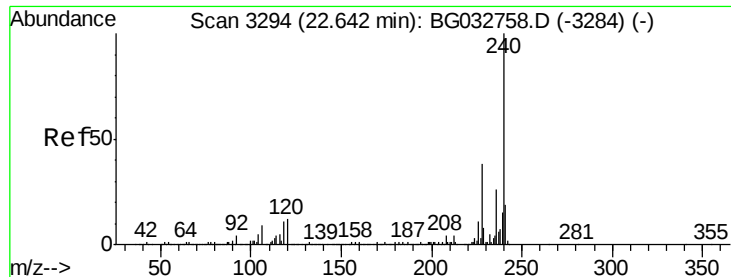


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

Instrument :

BNA_G

ClientSampleId :

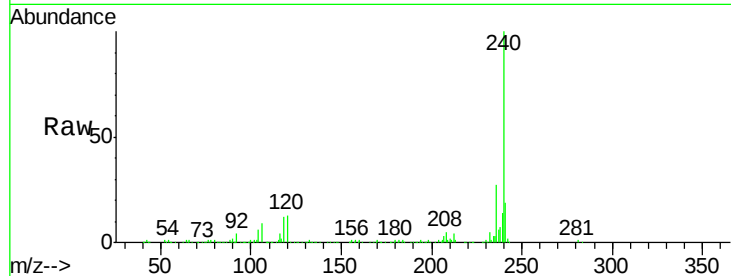
Tot Ion:240 Resp: 361529

Ion Ratio Lower Upper

240 100

120 12.8 6.8 10.2#

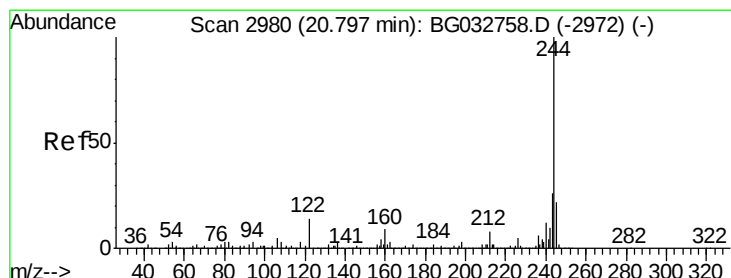
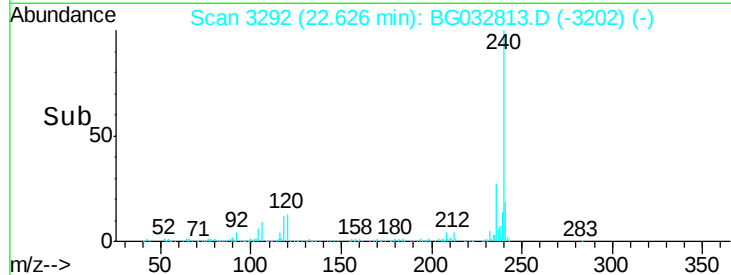
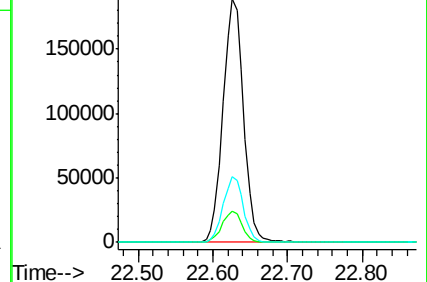
236 26.7 20.9 31.3



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



#78

Terphenyl-d14

Concen: 68.80 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032813.D

Acq: 24 Feb 2018 6:16

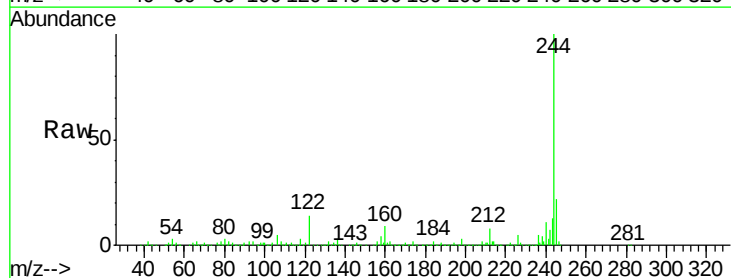
Tgt Ion:244 Resp: 1107095

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

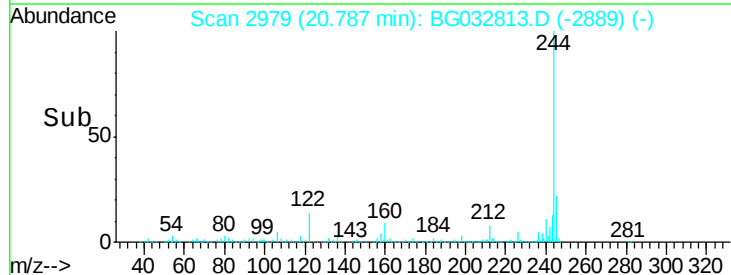
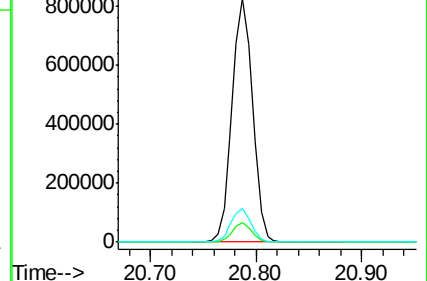
122 13.9 7.0 10.4#

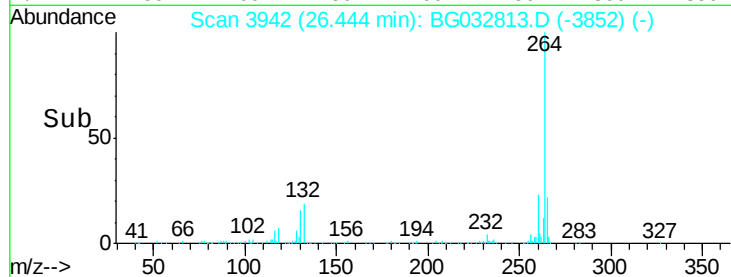
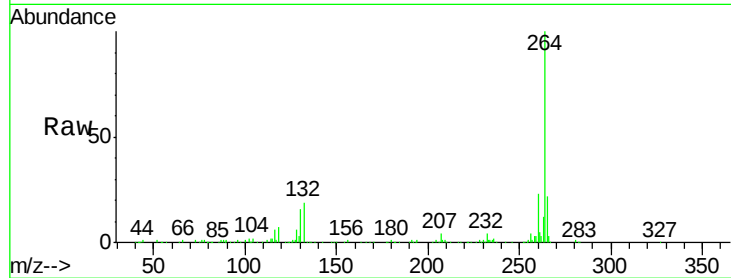
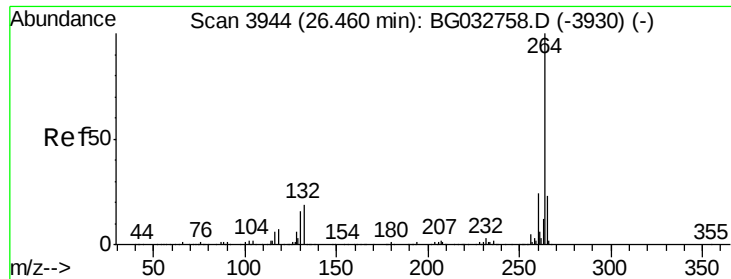


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.44 min Scan# 3942
Delta R.T. -0.00 min
Lab File: BG032813.D
Acq: 24 Feb 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	380987
Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.8	17.7	26.5

