

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032621.D
 Acq On : 8 Feb 2018 21:49
 Operator : SJ/JU
 Sample : J1473-32
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:37:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	31402	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	129294	20.00	ng	-0.03
38) Acenaphthene-d10	15.32	164	107499	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	326063	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	344385	20.00	ng	-0.01
86) Perylene-d12	26.06	264	210249	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.12	112	264451	169.15	ng	-0.02
7) Phenol-d6	7.80	99	319714	153.25	ng	-0.02
23) Nitrobenzene-d5	9.88	82	228387	110.33	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	324082	158.38	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	856195	94.67	ng	-0.02
78) Terphenyl-d14	20.61	244	1652565	102.79	ng	0.00

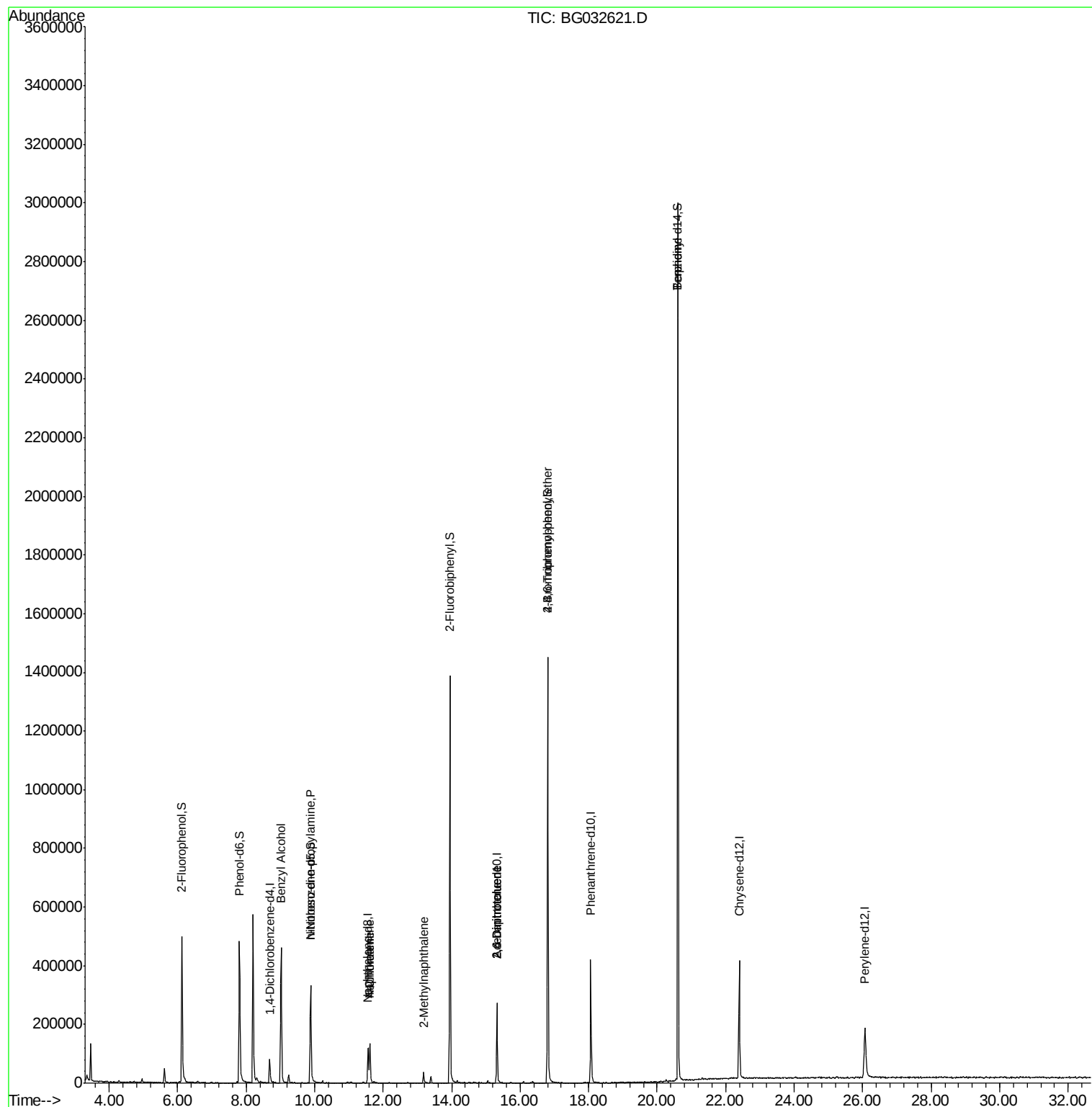
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.01	79	4079	2.37	ng	# 51
19) n-Nitroso-di-n-propylamine	9.88	70	34096	24.65	ng	# 80
31) Naphthalene	11.61	128	137643	21.80	ng	# 98
33) 4-Chloroaniline	11.61	127	19456	6.91	ng	# 45
37) 2-Methylnaphthalene	13.18	142	20269	3.82	ng	# 90
50) 2,6-Dinitrotoluene	15.32	165	14902	7.16	ng	# 20
56) 2,4-Dinitrotoluene	15.32	165	14902	5.03	ng	# 18
66) 4-Bromophenyl-phenylether	16.80	248	28579	5.92	ng	# 1
76) Benzidine	20.61	184	25421	3.76	ng	# 93

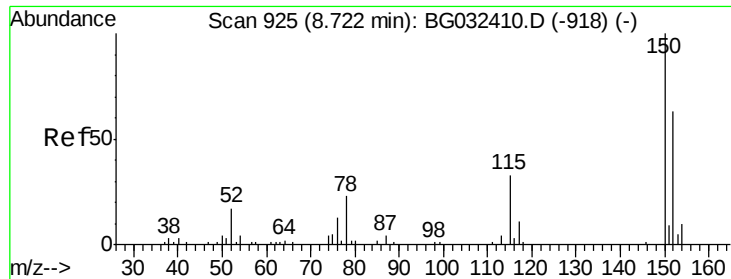
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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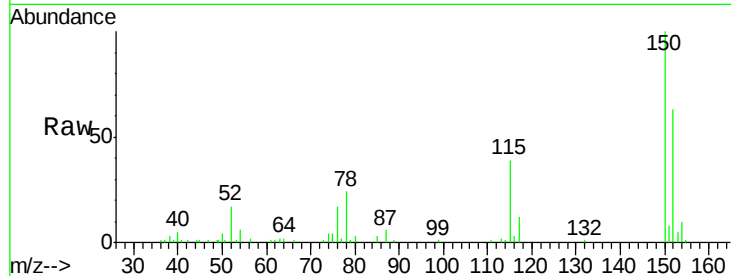


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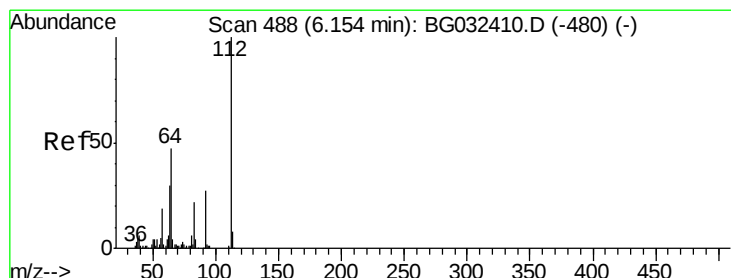
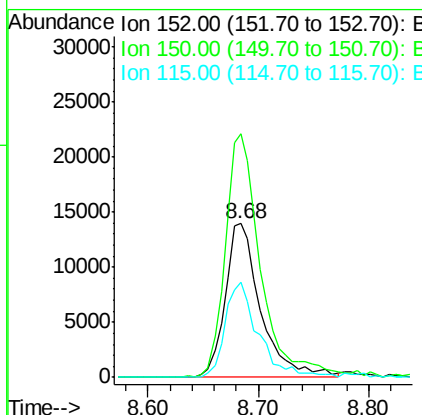
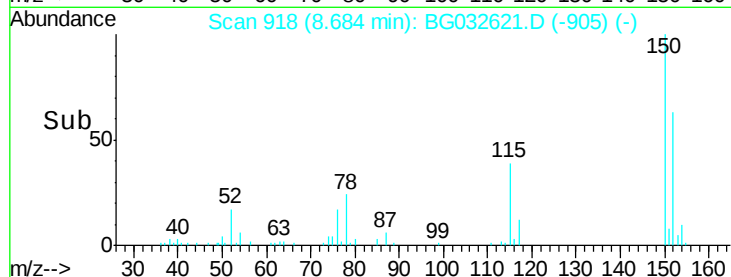
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31402
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 62.2 53.0 79.4



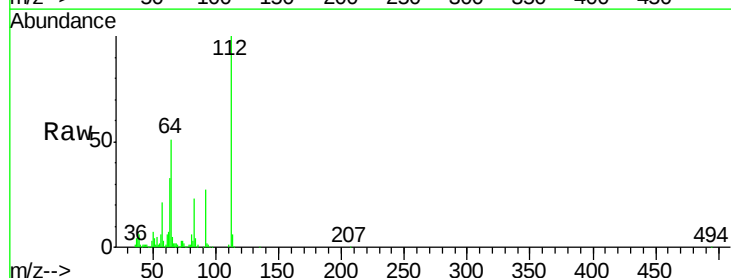
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



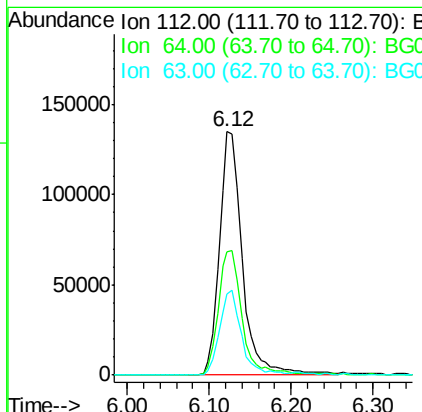
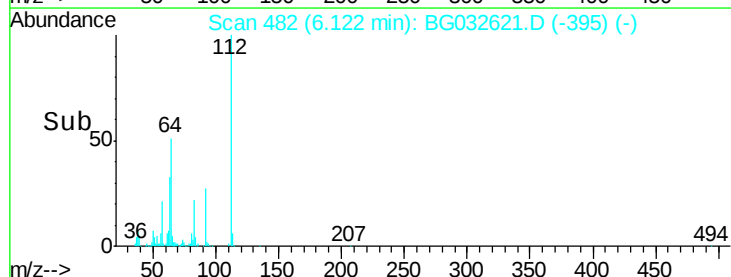
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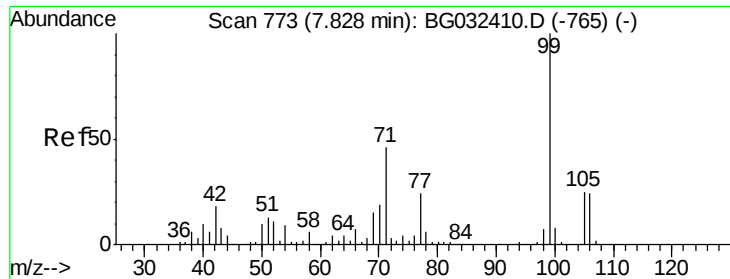
2-Fluorophenol
Concen: 169.15 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Tgt Ion:112 Resp: 264451
Ion Ratio Lower Upper
112 100
64 50.8 56.3 84.5#
63 33.4 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: 153.25 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Instrument :

BNA_G

ClientSampled :

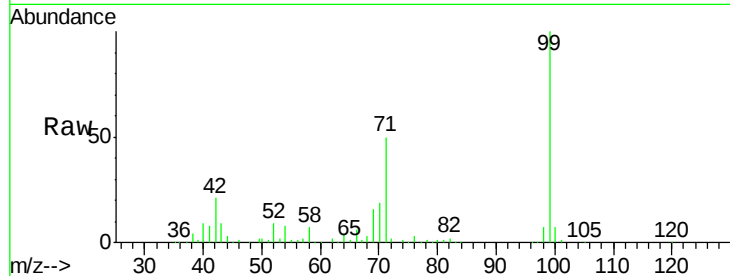
Tot Ion: 99 Resp: 319714

Ion Ratio Lower Upper

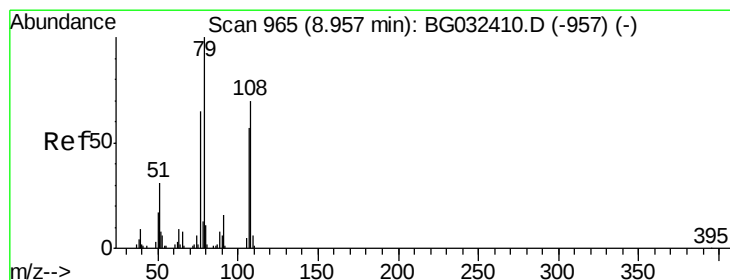
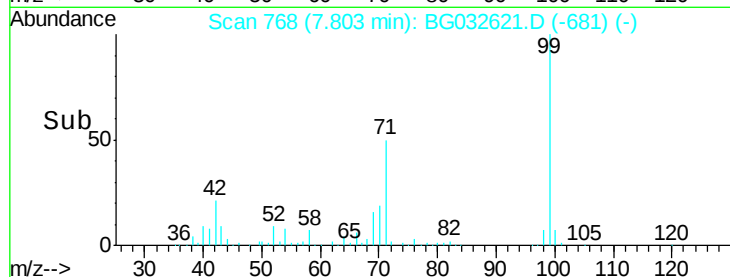
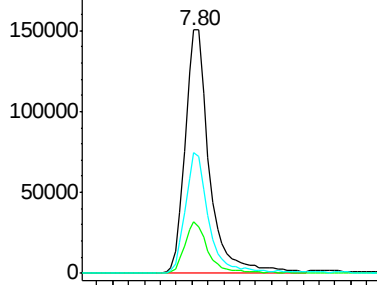
99 100

42 21.0 14.1 21.1

71 49.5 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



#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.07 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

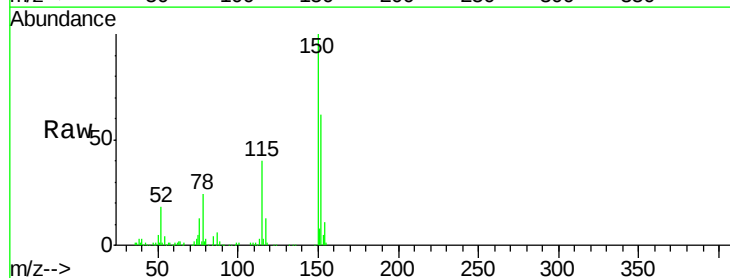
Tgt Ion: 79 Resp: 4079

Ion Ratio Lower Upper

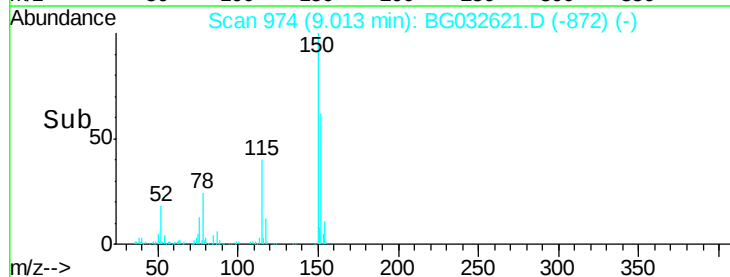
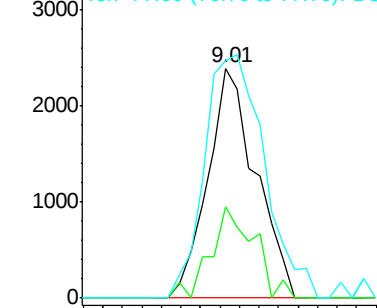
79 100

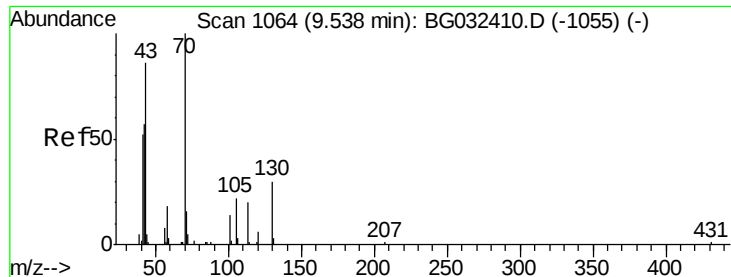
108 39.6 57.2 85.8#

77 103.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

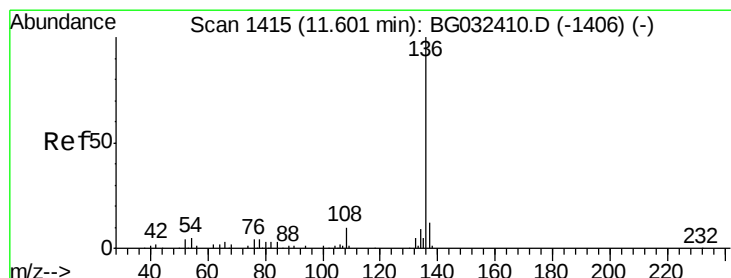
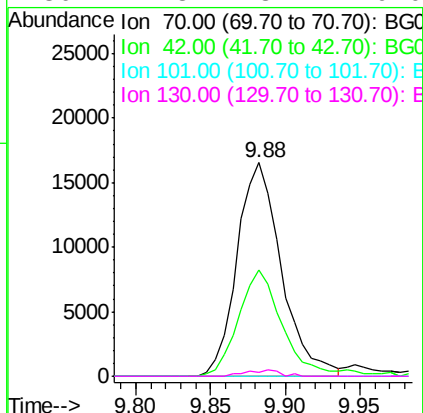
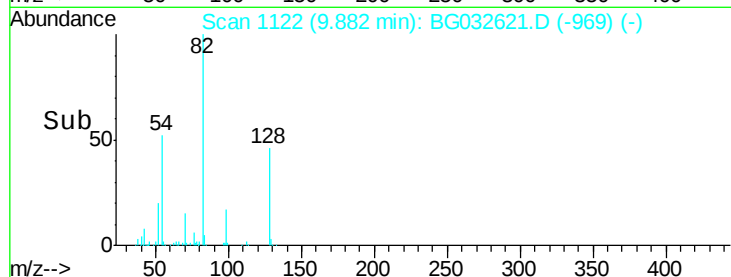
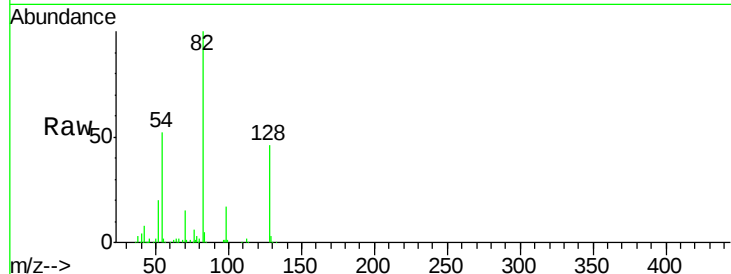




#19
n-Nitroso-di-n-propylamine
Concen: 24.65 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

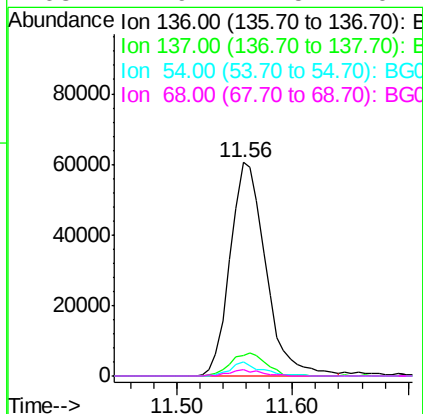
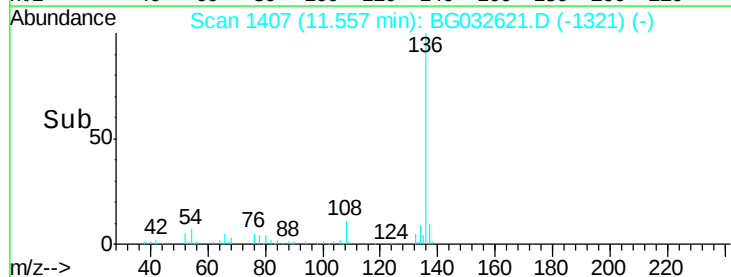
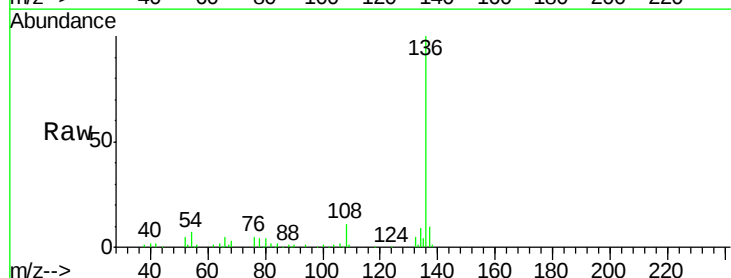
Instrument :
BNA_G
ClientSampled :

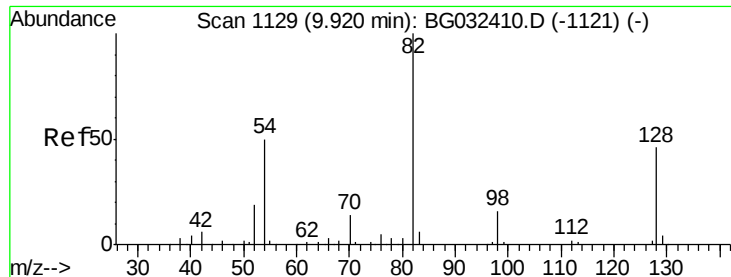
Tot Ion: 70 Resp: 34096
Ion Ratio Lower Upper
70 100
42 49.9 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.03 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Tgt Ion: 136 Resp: 129294
Ion Ratio Lower Upper
136 100
137 9.5 9.2 13.8
54 6.6 10.3 15.5#
68 2.9 4.5 6.7#

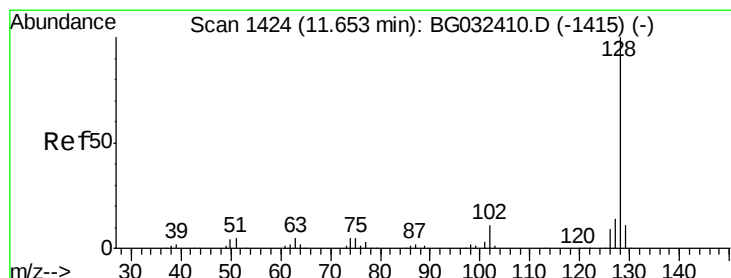
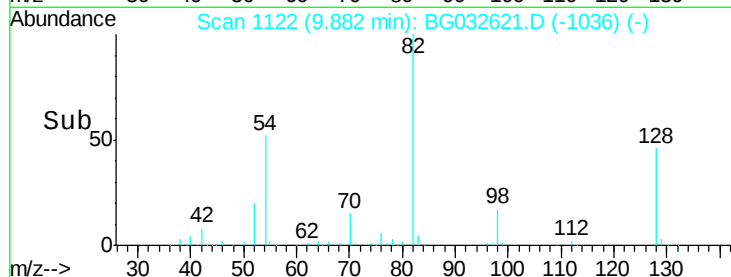
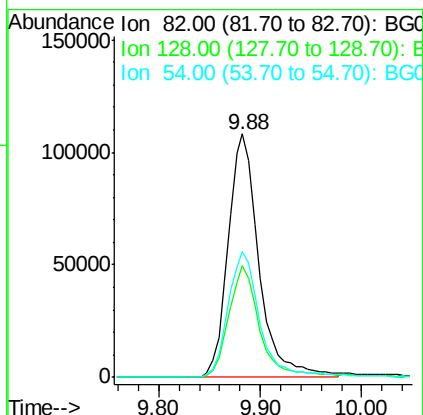
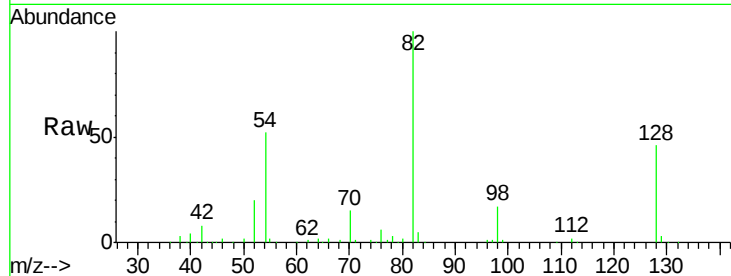




#23
Nitrobenzene-d5
Concen: 110.33 ng
RT: 9.88 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

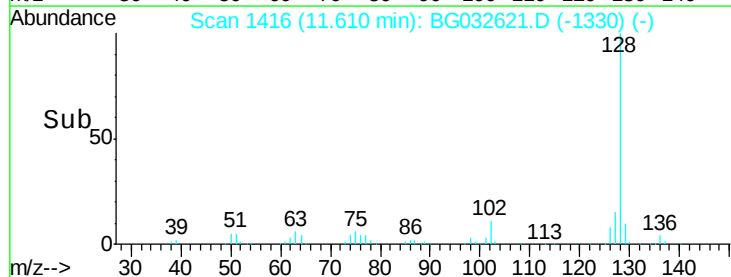
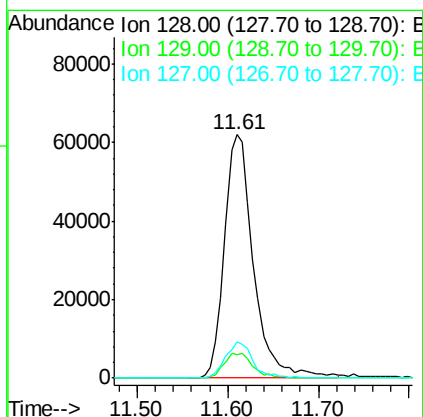
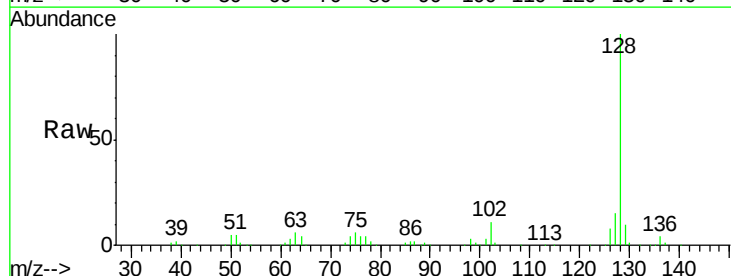
Instrument :
BNA_G
ClientSampled :

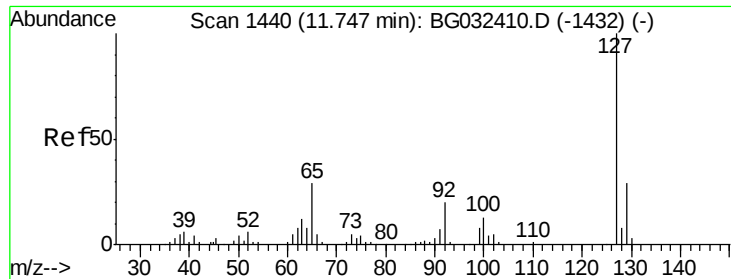
Tot Ion: 82 Resp: 228387
Ion Ratio Lower Upper
82 100
128 45.8 29.7 44.5#
54 51.7 43.1 64.7



#31
Naphthalene
Concen: 21.80 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.03 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Tgt Ion: 128 Resp: 137643
Ion Ratio Lower Upper
128 100
129 9.6 8.6 12.8
127 15.1 11.6 17.4

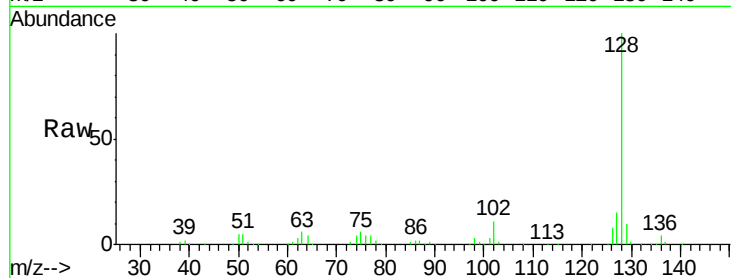




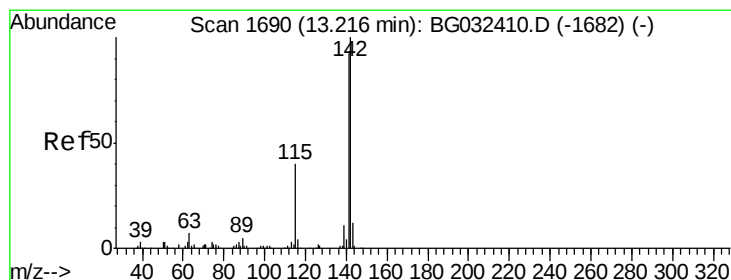
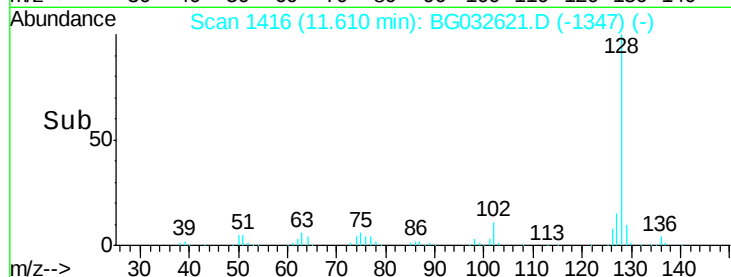
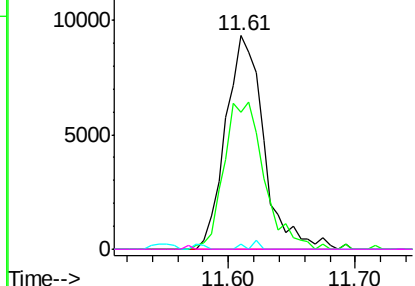
#33
4-Chloroaniline
Concen: 6.91 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.13 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	19456
Ion Ratio	Lower	Upper	
127	100		
129	64.1	24.0	36.0#
65	2.2	27.0	40.4#
92	0.0	16.6	25.0#

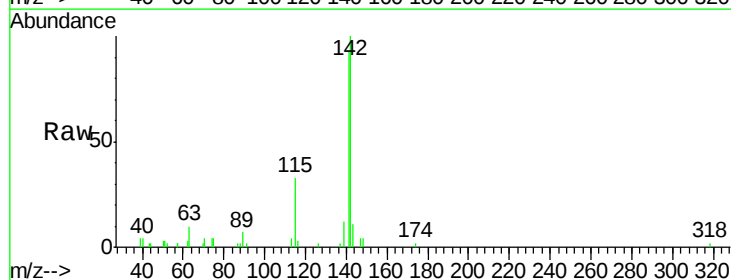


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

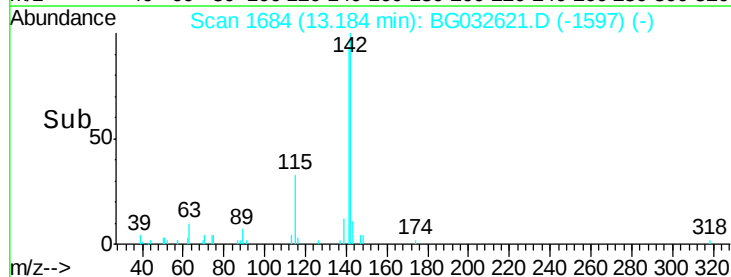
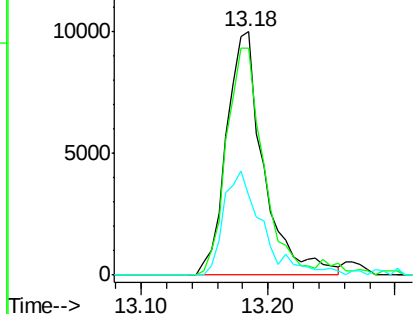


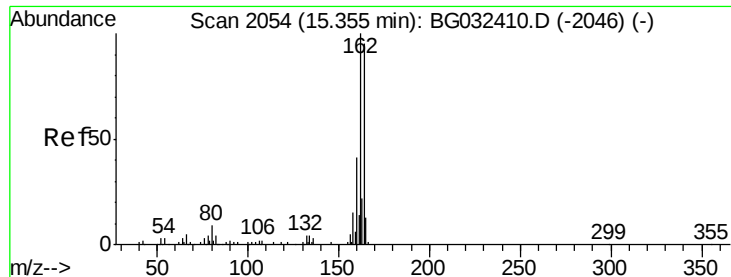
#37
2-Methylnaphthalene
Concen: 3.82 ng
RT: 13.18 min Scan# 1684
Delta R.T. -0.02 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Tgt Ion:	142	Resp:	20269
Ion Ratio	Lower	Upper	
142	100		
141	93.2	67.1	100.7
115	32.6	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

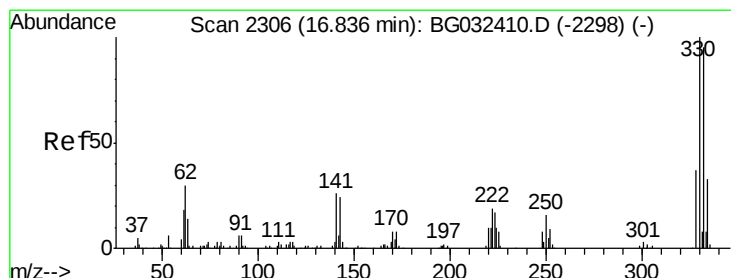
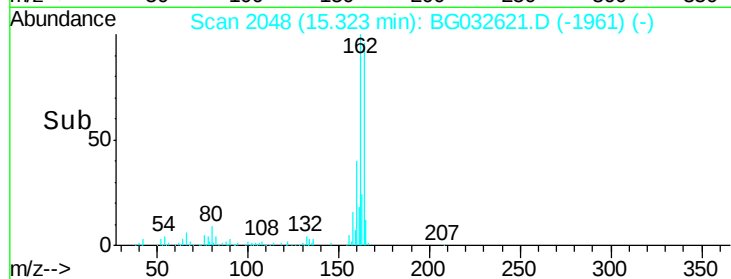
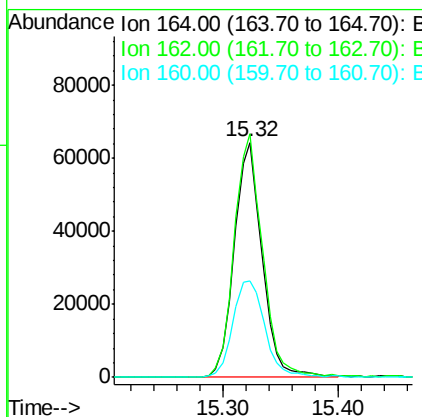
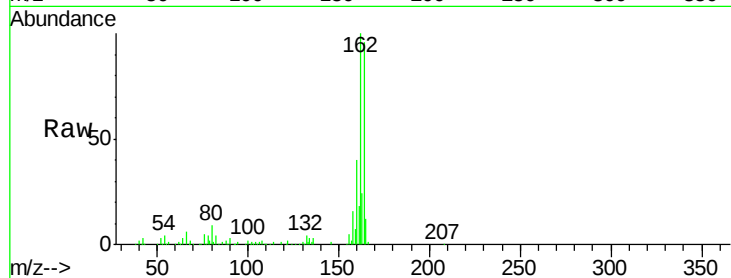




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.32 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

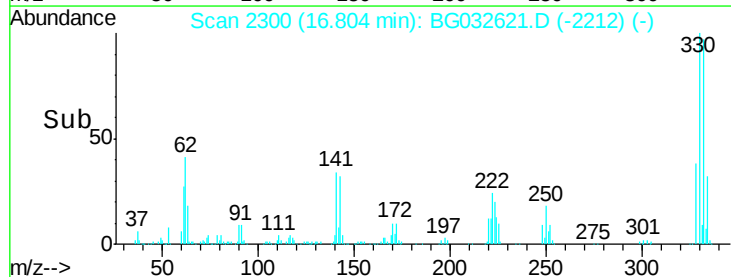
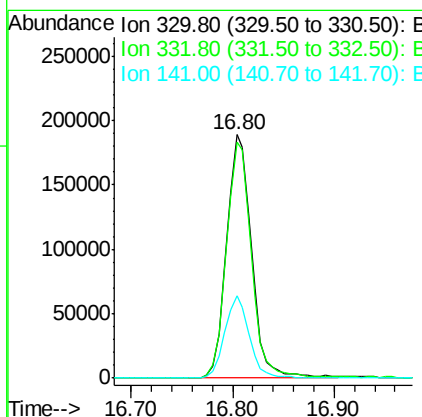
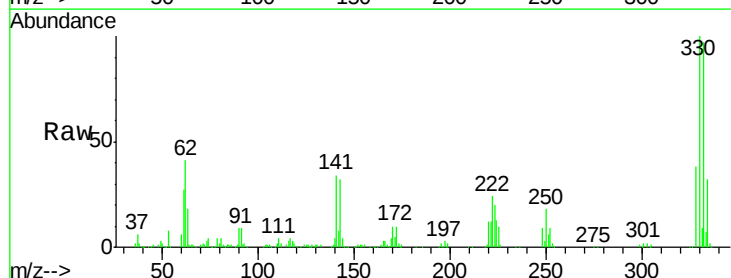
Instrument :
BNA_G
ClientSampleId :

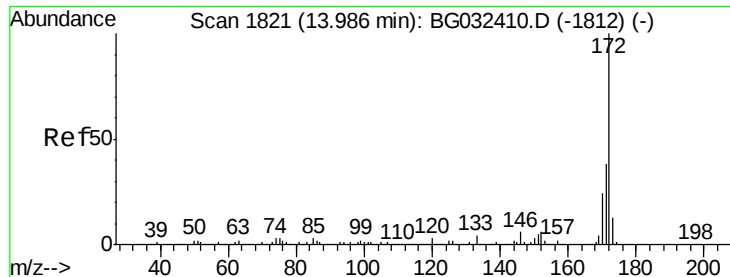
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	78.8	118.2
160	41.0	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 158.38 ng
RT: 16.80 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	33.0	25.2	37.8

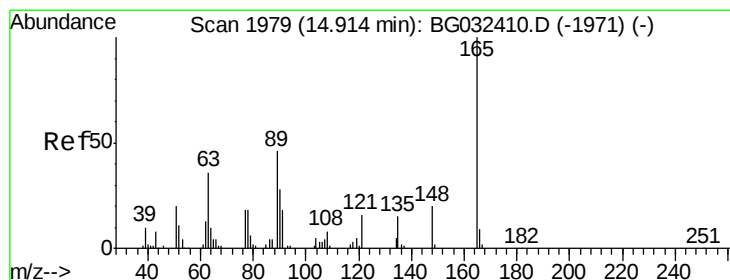
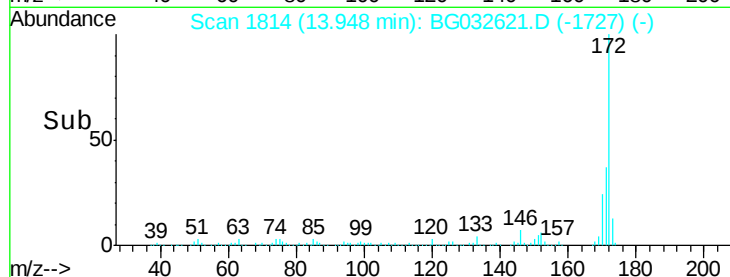
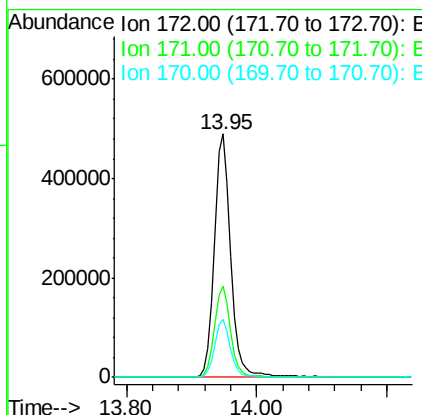
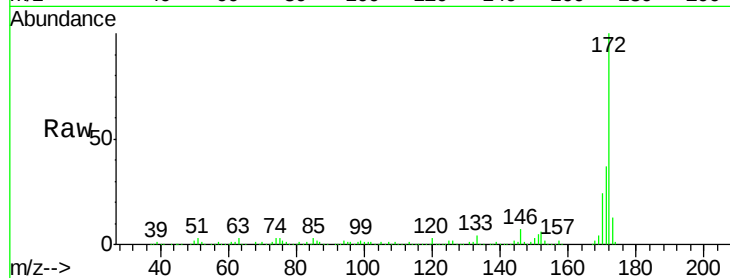




#44
 2-Fluorobiphenyl
 Concen: 94.67 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

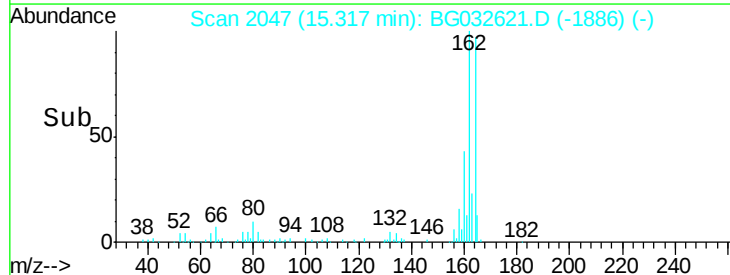
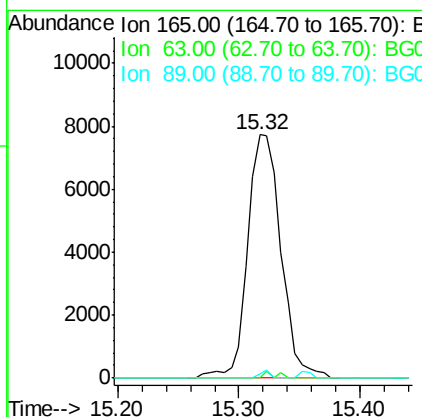
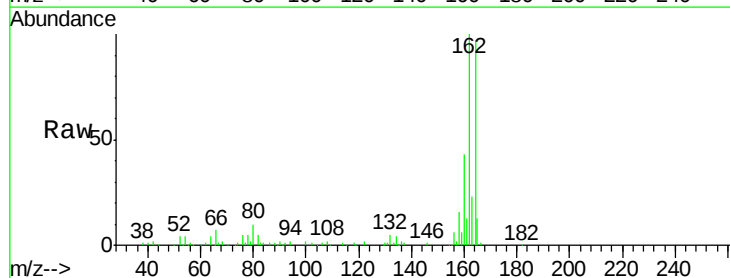
Instrument :
 BNA_G
 ClientSampleId :

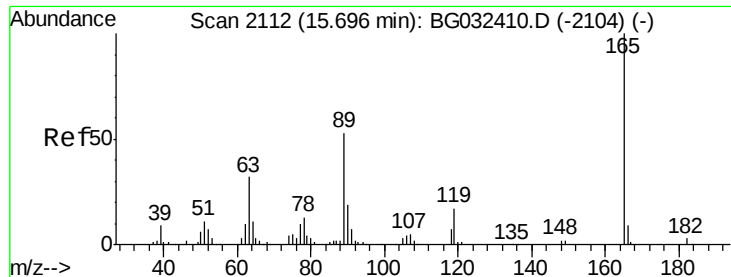
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.16 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. 0.41 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#

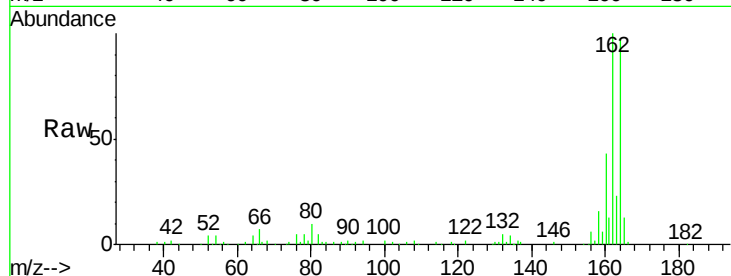




#56
 2,4-Dinitrotoluene
 Concen: 5.03 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. -0.37 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	2.8	2.6	3.8



Abundance Ion 165.00 (164.70 to 165.70): E

12000

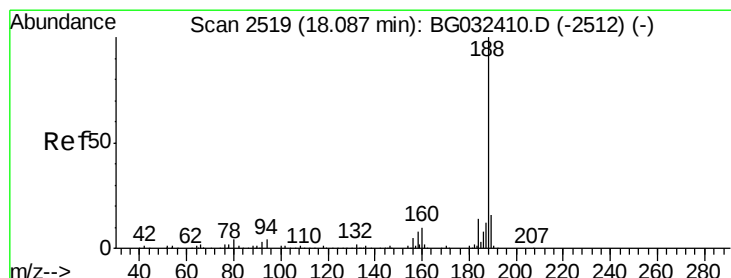
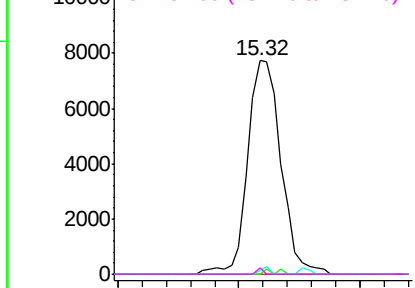
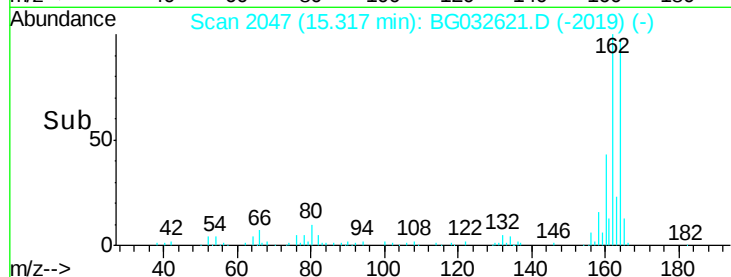
Ion 63.00 (62.70 to 63.70): BGC

10000

Ion 89.00 (88.70 to 89.70): BGC

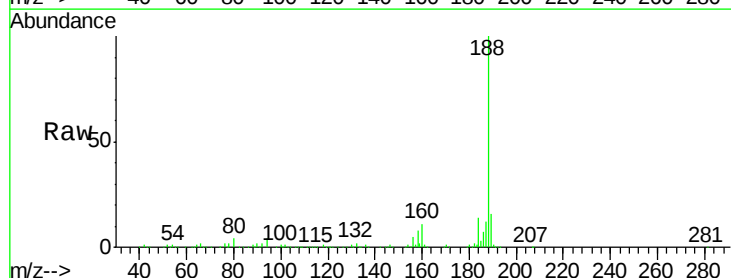
8000

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.2	7.7	11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

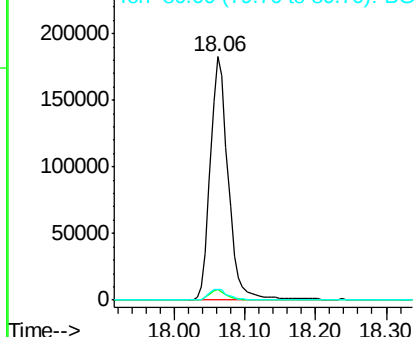
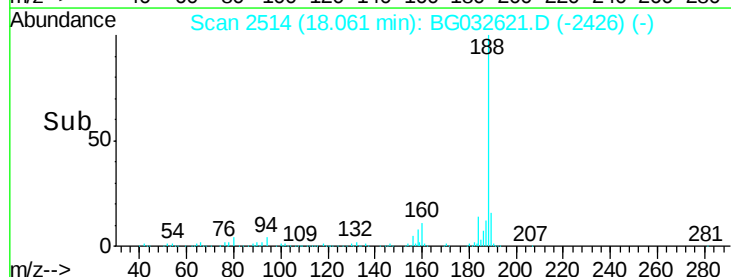
250000

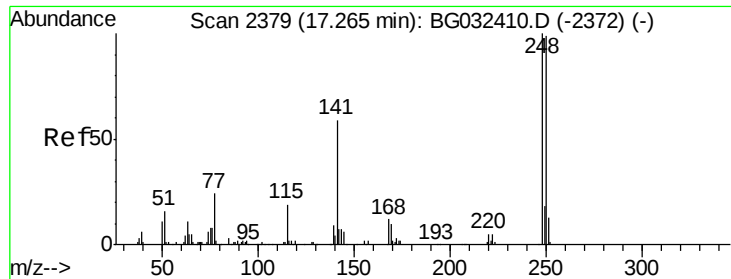
Ion 94.00 (93.70 to 94.70): BGC

200000

Ion 80.00 (79.70 to 80.70): BGC

150000

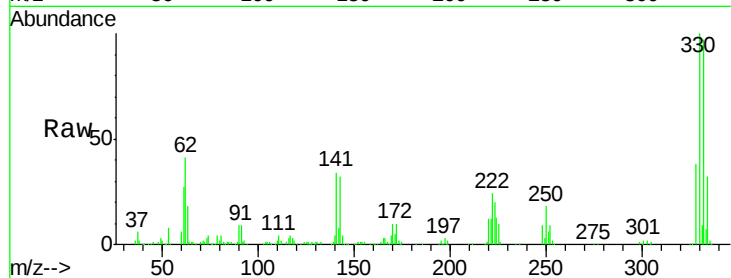




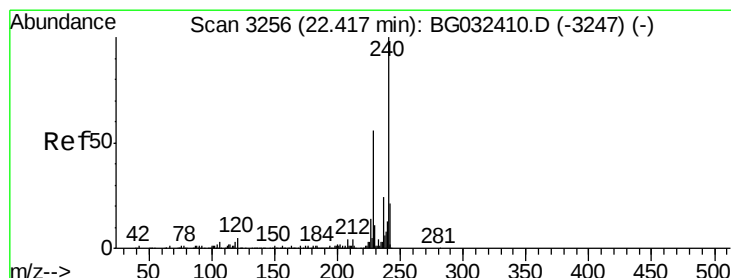
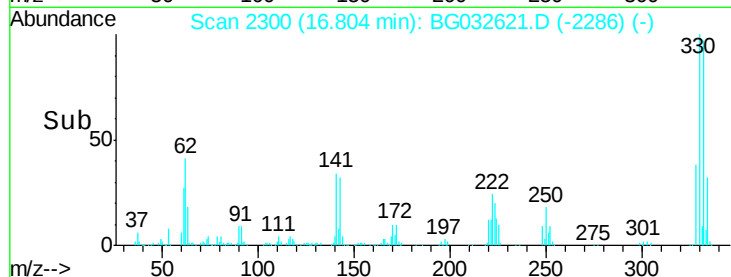
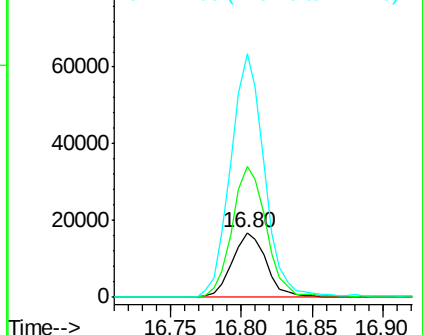
#66
 4-Bromophenyl-phenylether
 Concen: 5.92 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.45 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 28579
 Ion Ratio Lower Upper
 248 100
 250 204.0 77.1 115.7#
 141 377.8 50.8 76.2#

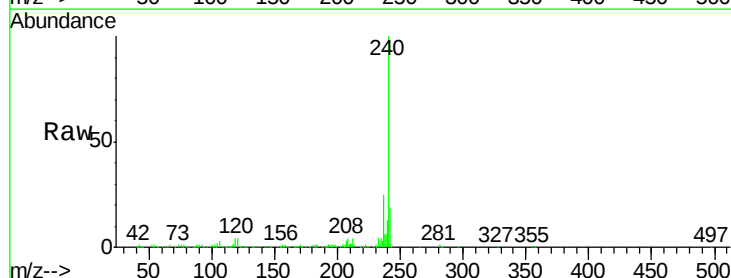


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

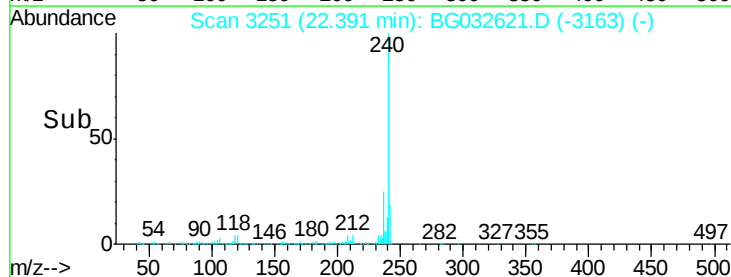
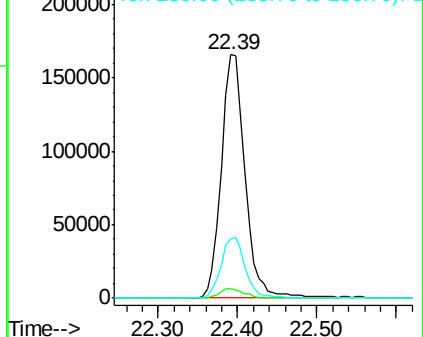


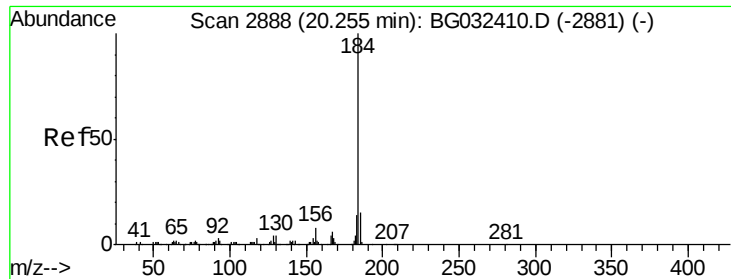
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.39 min Scan# 3251
 Delta R.T. -0.01 min
 Lab File: BG032621.D
 Acq: 8 Feb 2018 21:49

Tgt Ion:240 Resp: 344385
 Ion Ratio Lower Upper
 240 100
 120 4.0 6.8 10.2#
 236 24.5 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: 3.76 ng

RT: 20.61 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Instrument :

BNA_G

ClientSampleId :

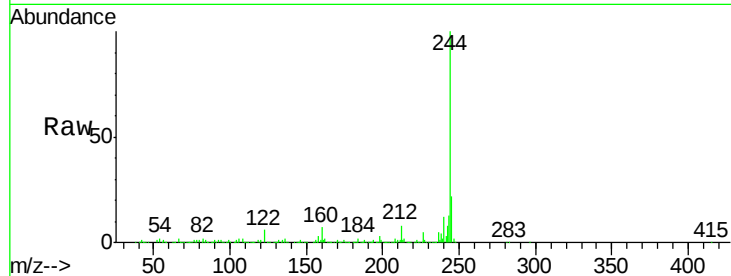
Tot Ion:184 Resp: 25421

Ion Ratio Lower Upper

184 100

185 12.3 11.1 16.7

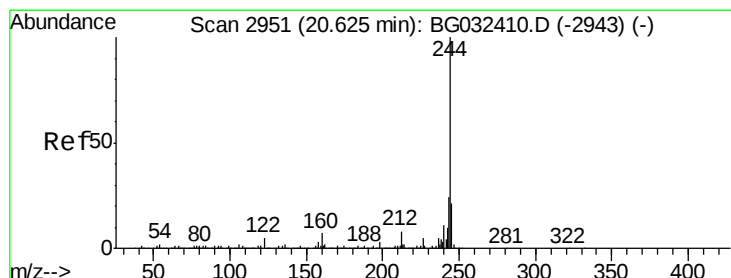
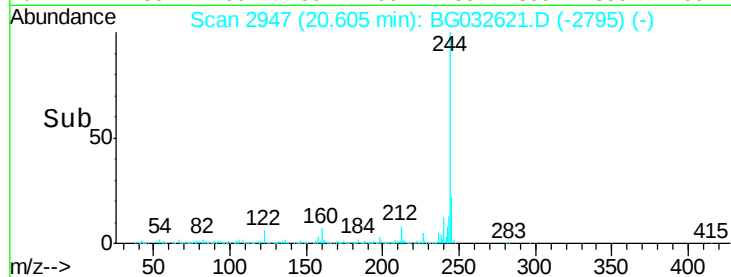
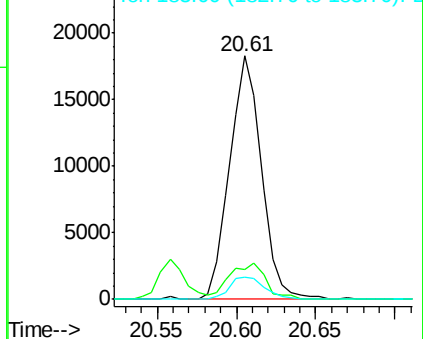
183 9.1 10.6 16.0#



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: 102.79 ng

RT: 20.61 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

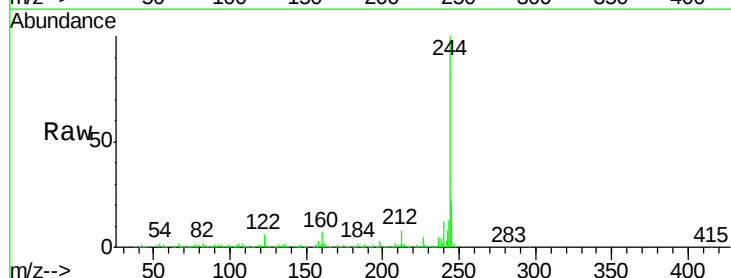
Tgt Ion:244 Resp: 1652565

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

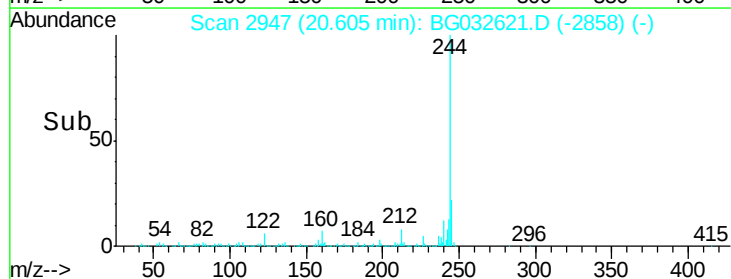
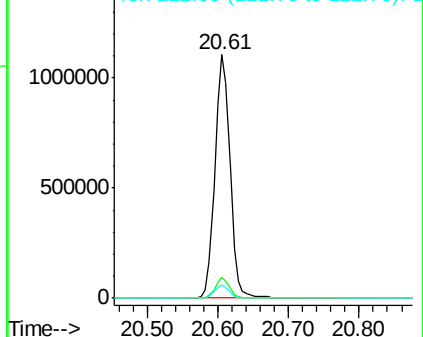
122 5.6 7.0 10.4#

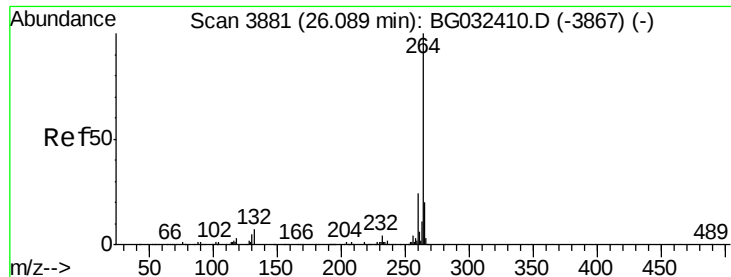


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.06 min Scan# 3876
Delta R.T. -0.00 min
Lab File: BG032621.D
Acq: 8 Feb 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	17.4	26.0#
265	21.5	17.7	26.5

