

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\
 Data File : BG032604.D
 Acq On : 7 Feb 2018 21:36
 Operator : SJ/JU
 Sample : J1403-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 08 02:27:27 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	18232	20.00	ng	-0.03
21) Naphthalene-d8	11.57	136	80372	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	53928	20.00	ng	-0.02
63) Phenanthrene-d10	18.07	188	150960	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	202462	20.00	ng	-0.01
86) Perylene-d12	26.08	264	196939	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.13	112	133001	146.52	ng	-0.02
7) Phenol-d6	7.81	99	153758	126.94	ng	-0.02
23) Nitrobenzene-d5	9.89	82	129026	100.27	ng	-0.02
41) 2,4,6-Tribromophenol	16.81	330	188496	183.63	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	486653	107.26	ng	-0.02
78) Terphenyl-d14	20.61	244	1118939	118.39	ng	0.00

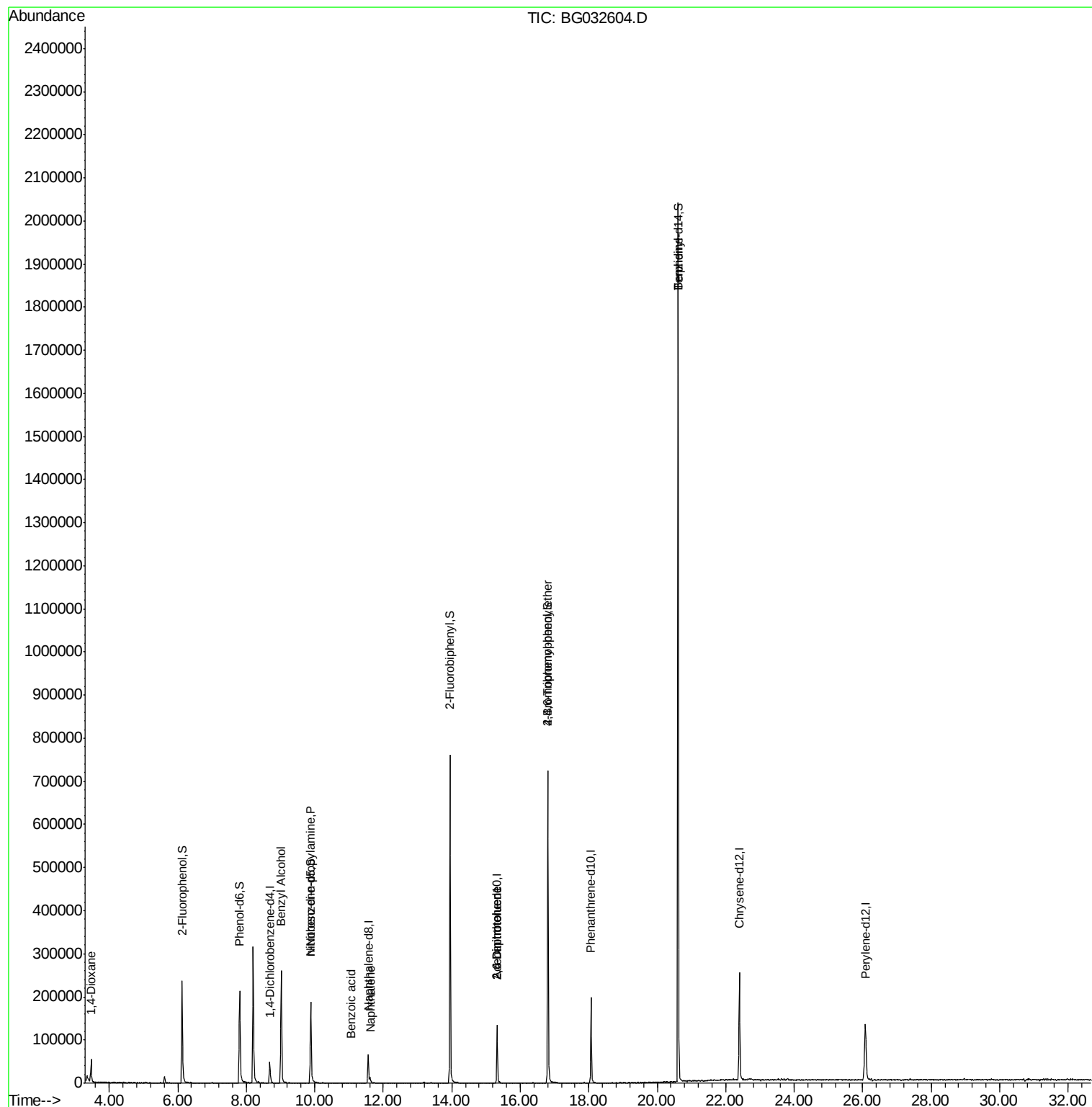
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	645	2.11	ng	# 1
15) Benzyl Alcohol	9.02	79	2126	2.13	ng	# 44
19) n-Nitroso-di-n-propylamine	9.88	70	18635	23.20	ng	# 80
31) Naphthalene	11.61	128	11946	3.04	ng	# 95
32) Benzoic acid	11.04	122	61	7.35	ng	# 1
50) 2,6-Dinitrotoluene	15.32	165	7212	6.91	ng	# 18
56) 2,4-Dinitrotoluene	15.32	165	7212	4.85	ng	# 16
66) 4-Bromophenyl-phenylether	16.81	248	14289	6.39	ng	# 1
76) Benzidine	20.61	184	16243	4.09	ng	# 94

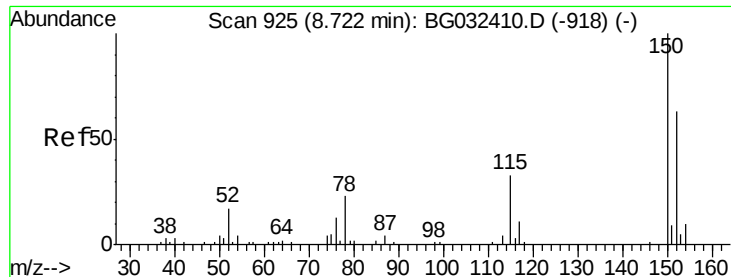
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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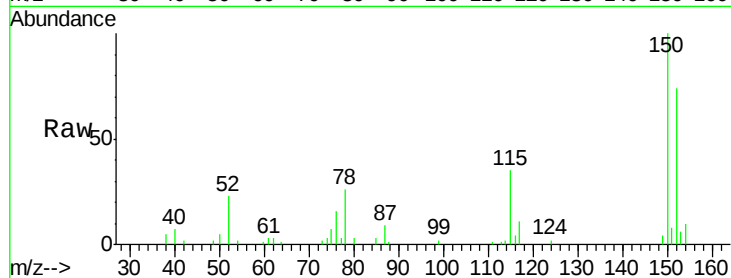


#1

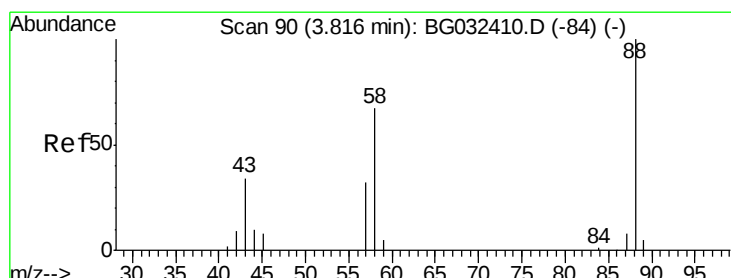
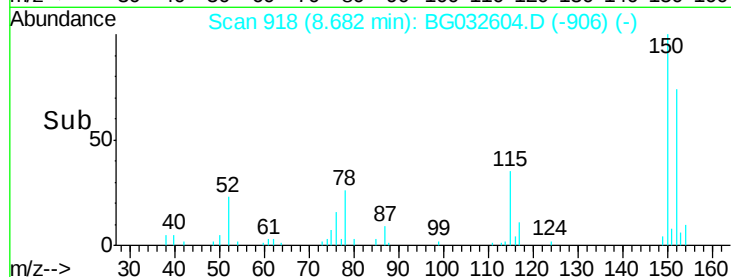
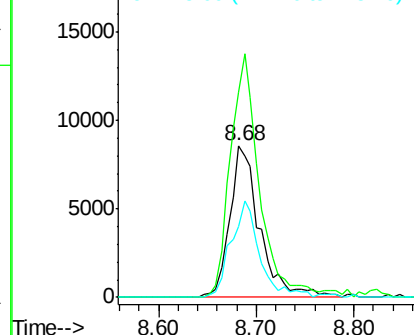
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 18232
Ion Ratio Lower Upper
152 100
150 135.8 126.6 189.8
115 46.9 53.0 79.4#



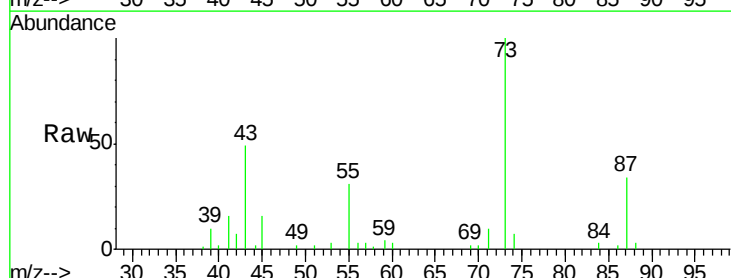
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



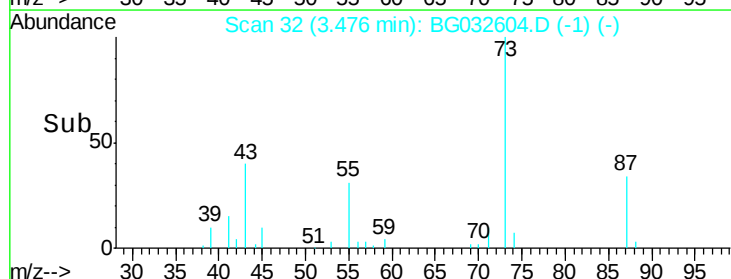
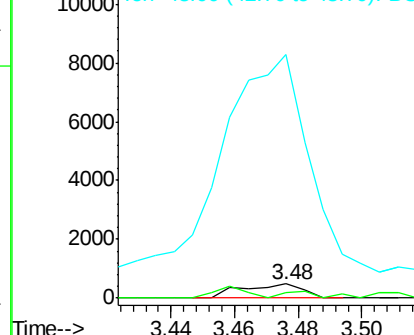
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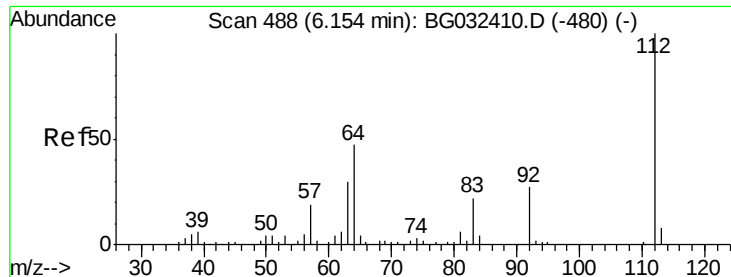
1,4-Dioxane
Concen: 2.11 ng
RT: 3.48 min Scan# 32
Delta R.T. -0.33 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Tgt Ion: 88 Resp: 645
Ion Ratio Lower Upper
88 100
58 33.0 79.6 119.4#
43 2128.5 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 146.52 ng

RT: 6.13 min Scan# 483

Delta R.T. -0.02 min

Lab File: BG032604.D

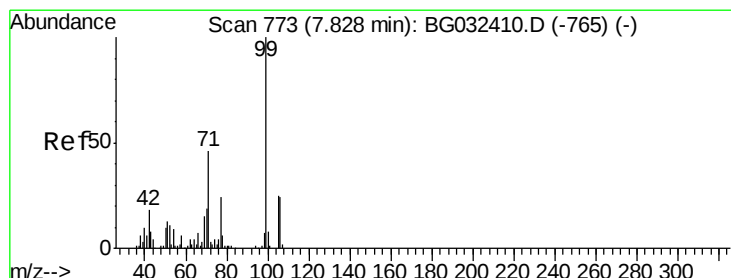
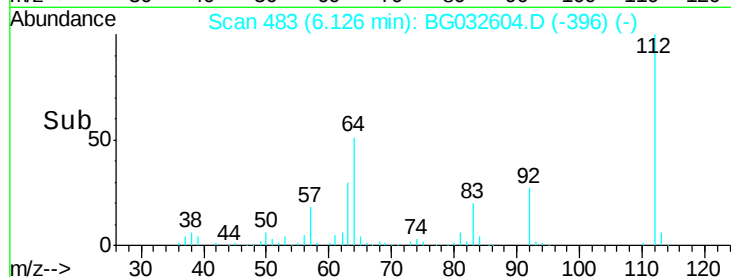
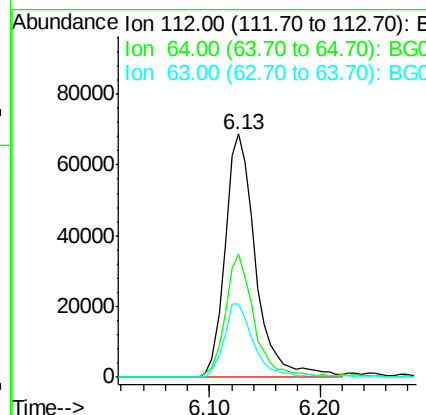
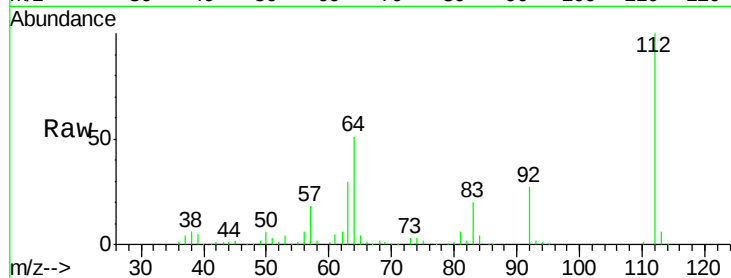
Acq: 7 Feb 2018 21:36

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	133001
Ion	Ratio	Lower	Upper
112	100		
64	50.6	56.3	84.5#
63	30.2	30.1	45.1



#7

Phenol-d6

Concen: 126.94 ng

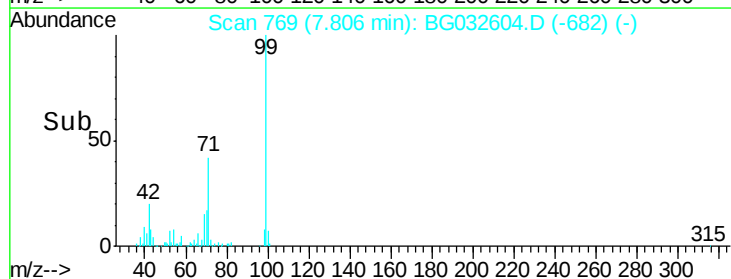
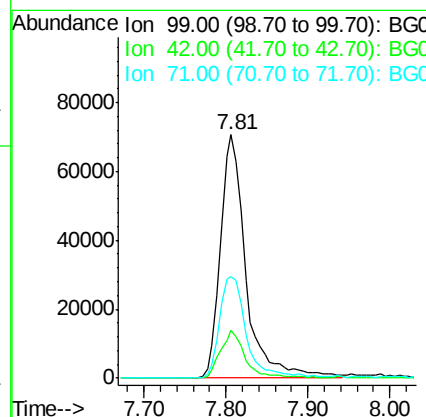
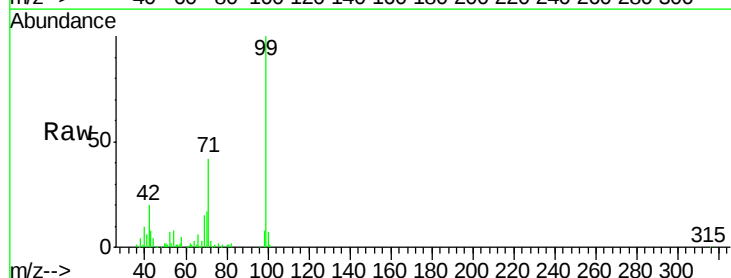
RT: 7.81 min Scan# 769

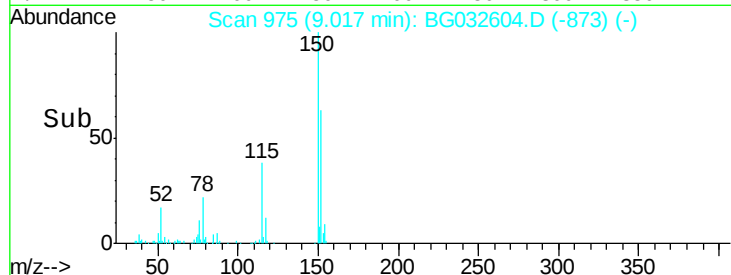
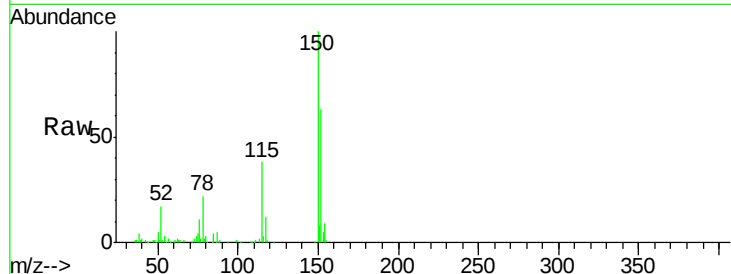
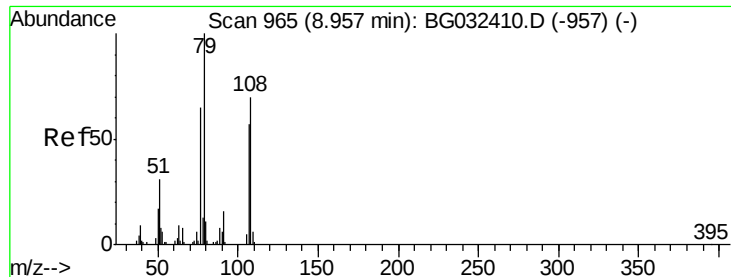
Delta R.T. -0.02 min

Lab File: BG032604.D

Acq: 7 Feb 2018 21:36

Tgt Ion:	99	Resp:	153758
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.1	21.1
71	41.9	26.1	39.1#

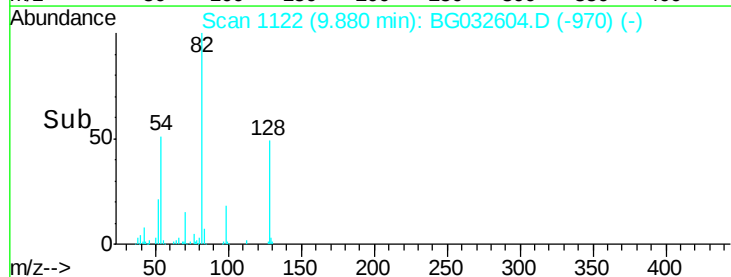
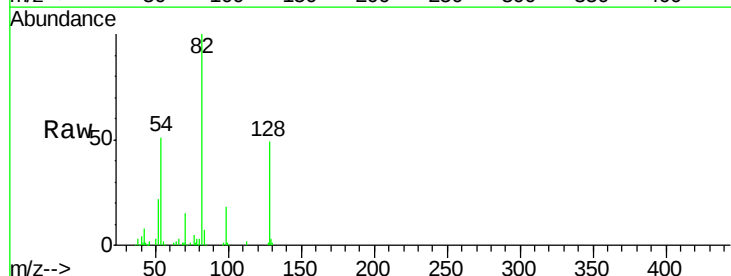
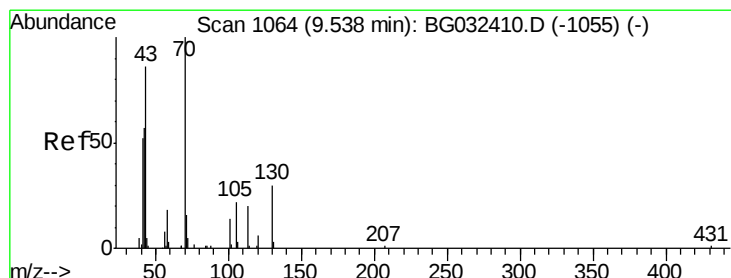
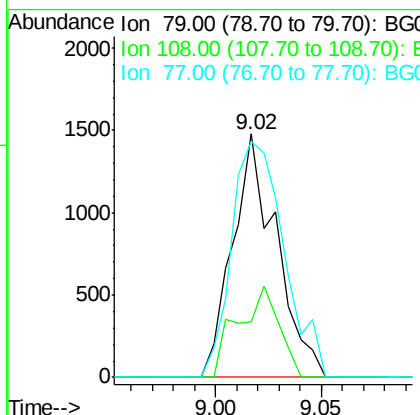




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 9.02 min Scan# 975
Delta R.T. 0.07 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

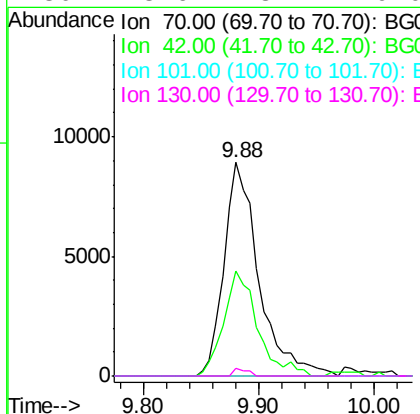
Instrument :
BNA_G
ClientSampleId :

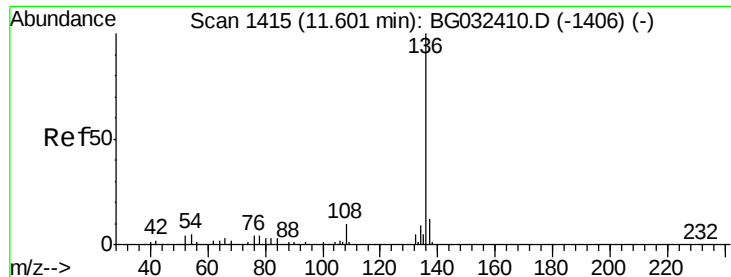
Tot Ion: 79 Resp: 2126
Ion Ratio Lower Upper
79 100
108 22.8 57.2 85.8#
77 97.0 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 23.20 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Tgt Ion: 70 Resp: 18635
Ion Ratio Lower Upper
70 100
42 49.0 49.1 73.7#
101 0.0 8.5 12.7#
130 3.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.57 min Scan# 1409

Delta R.T. -0.02 min

Lab File: BG032604.D

Acq: 7 Feb 2018 21:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 80372

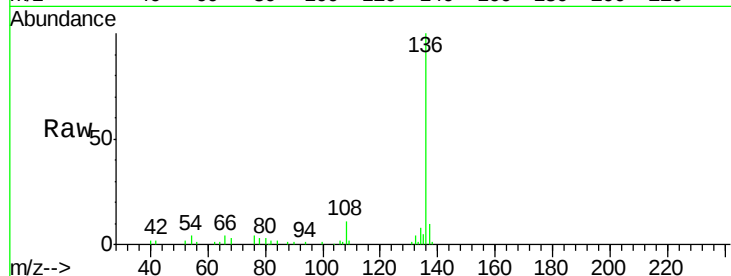
Ion Ratio Lower Upper

136 100

137 9.7 9.2 13.8

54 4.3 10.3 15.5#

68 2.7 4.5 6.7#

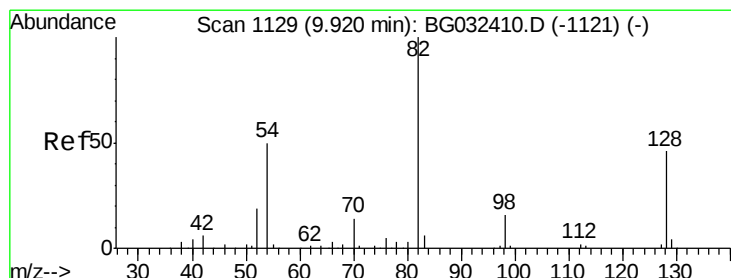
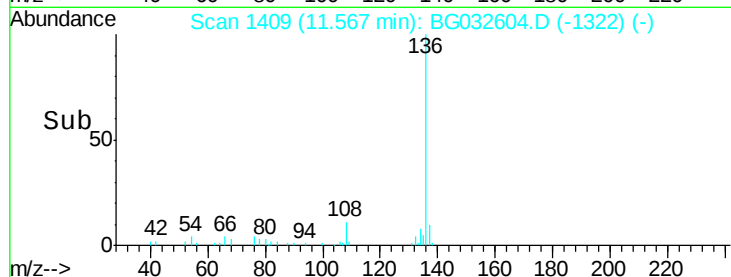
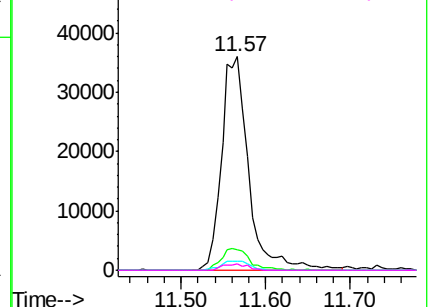


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.27 ng

RT: 9.89 min Scan# 1123

Delta R.T. -0.02 min

Lab File: BG032604.D

Acq: 7 Feb 2018 21:36

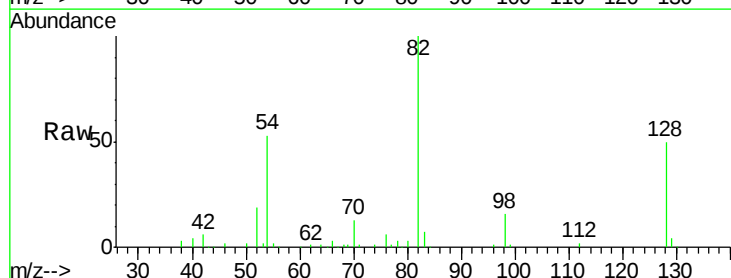
Tgt Ion: 82 Resp: 129026

Ion Ratio Lower Upper

82 100

128 49.8 29.7 44.5#

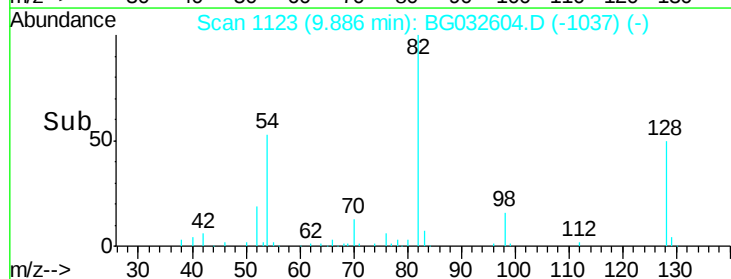
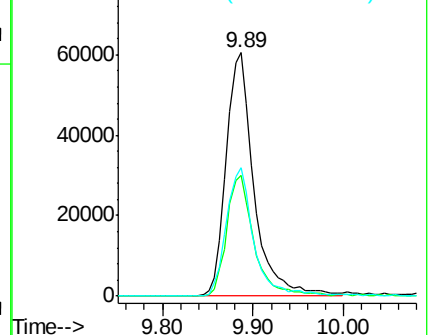
54 52.7 43.1 64.7

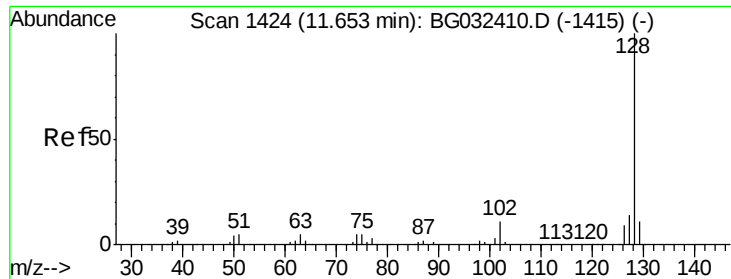


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

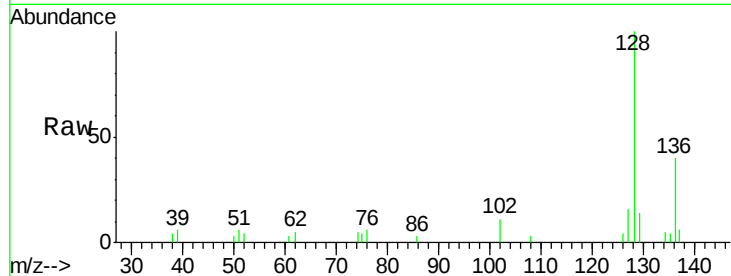




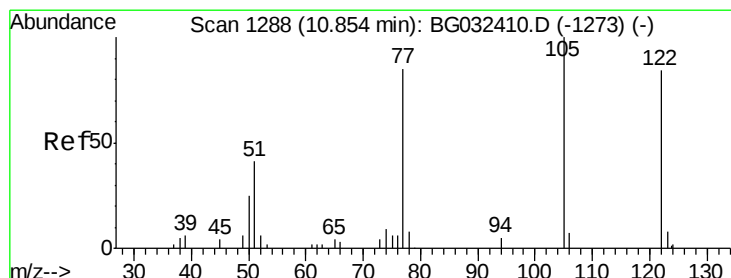
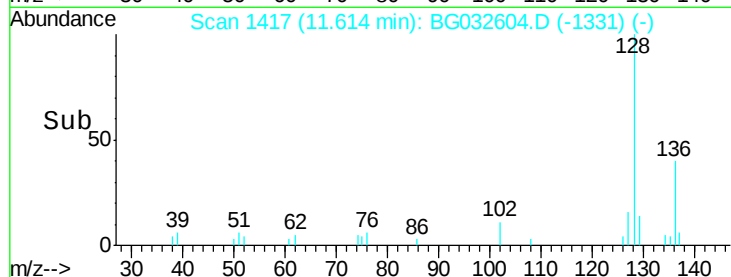
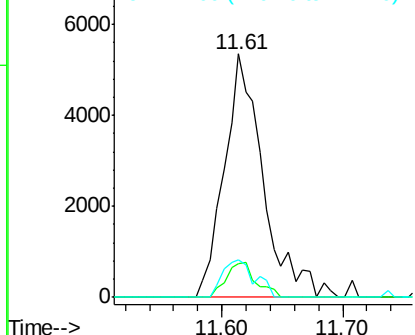
#31
Naphthalene
Concen: 3.04 ng
RT: 11.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 11946
Ion Ratio Lower Upper
128 100
129 13.8 8.6 12.8#
127 15.6 11.6 17.4

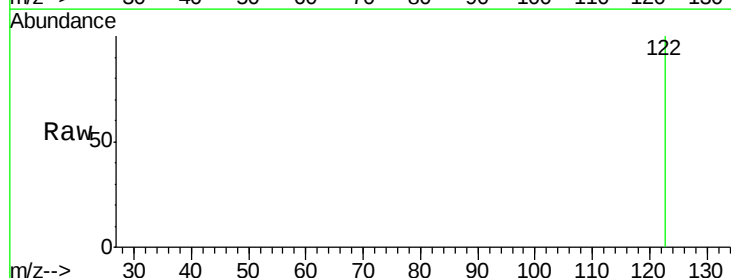


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

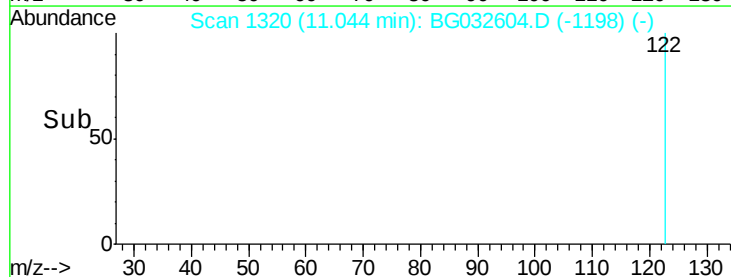
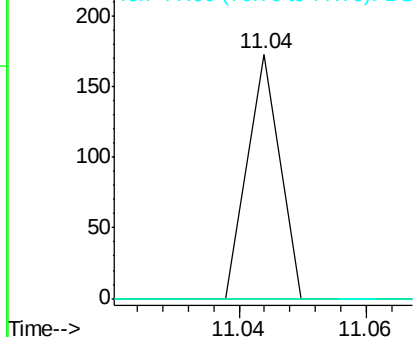


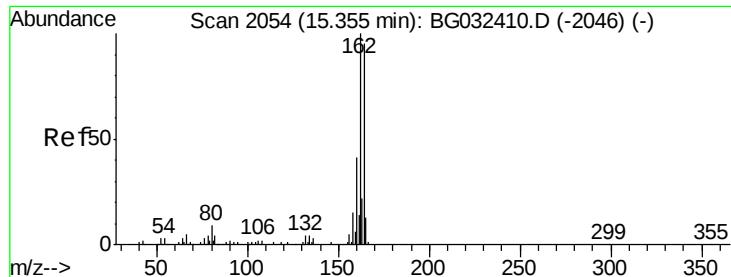
#32
Benzoic acid
Concen: 7.35 ng
RT: 11.04 min Scan# 1320
Delta R.T. 0.19 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

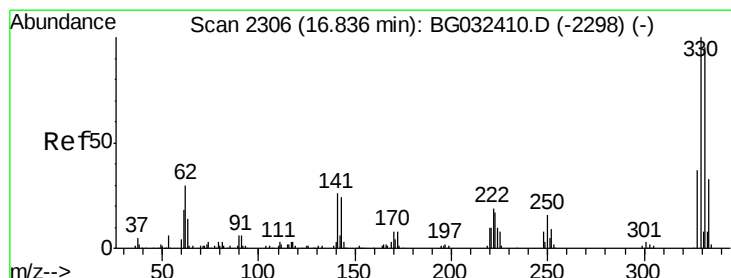
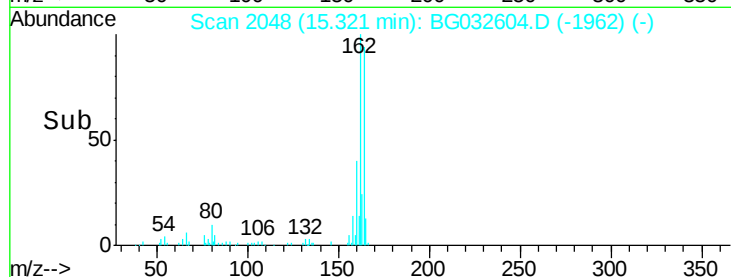
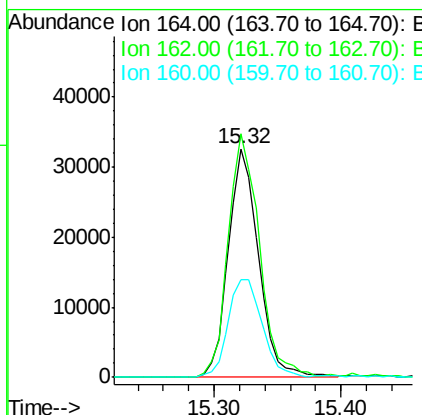
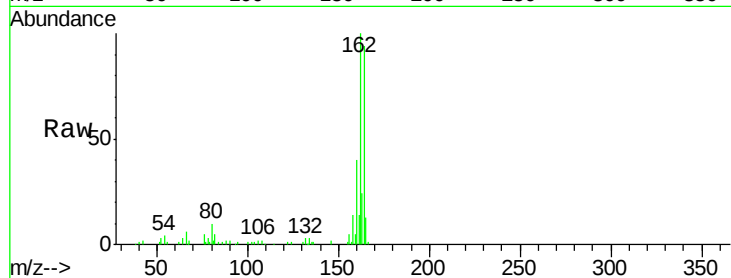




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.32 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

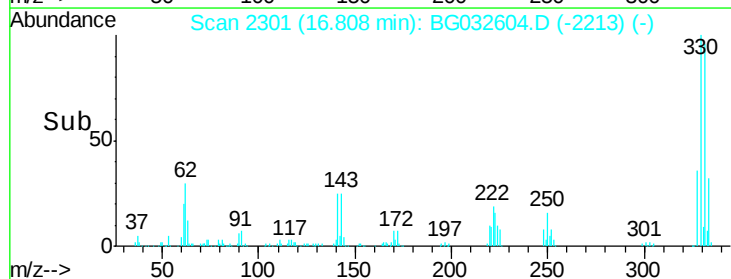
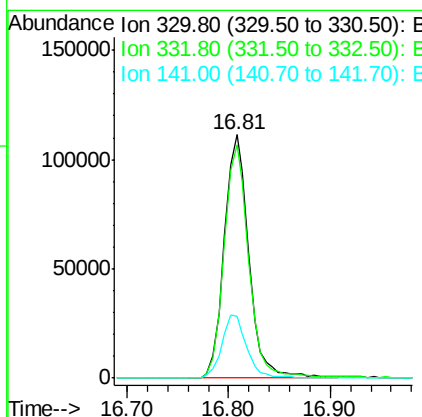
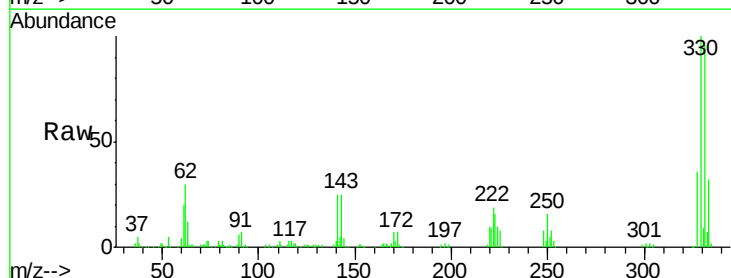
Instrument :
BNA_G
ClientSampleId :

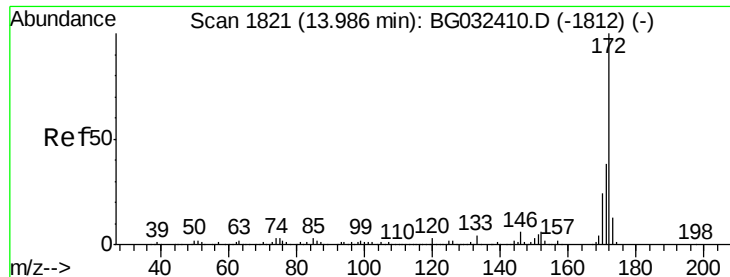
Tot Ion:164 Resp: 53928
Ion Ratio Lower Upper
164 100
162 106.4 78.8 118.2
160 42.5 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 183.63 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Tgt Ion:330 Resp: 188496
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 26.2 25.2 37.8

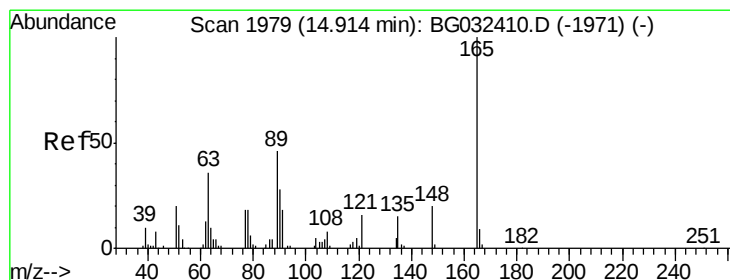
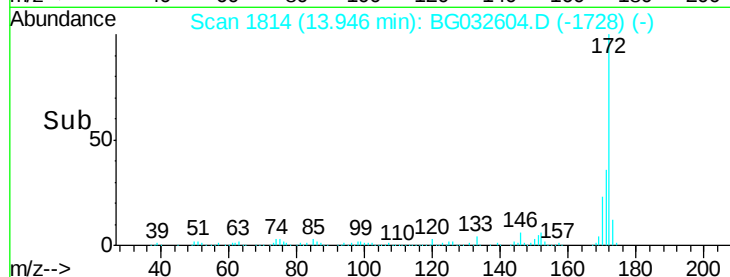
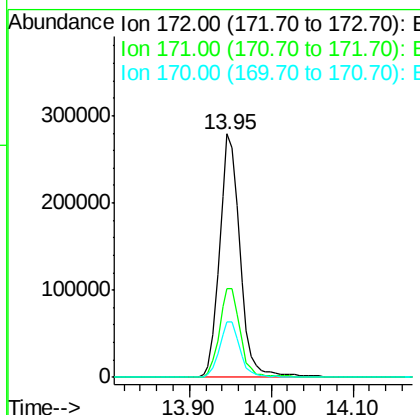
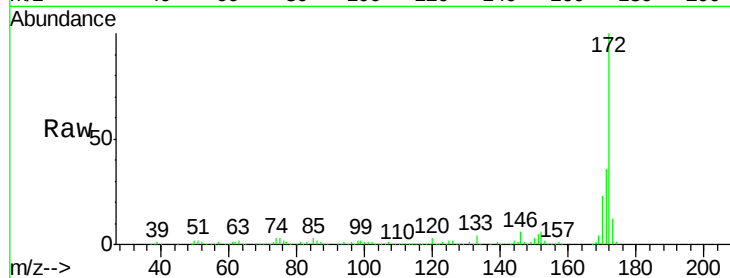




#44
 2-Fluorobiphenyl
 Concen: 107.26 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032604.D
 Acq: 7 Feb 2018 21:36

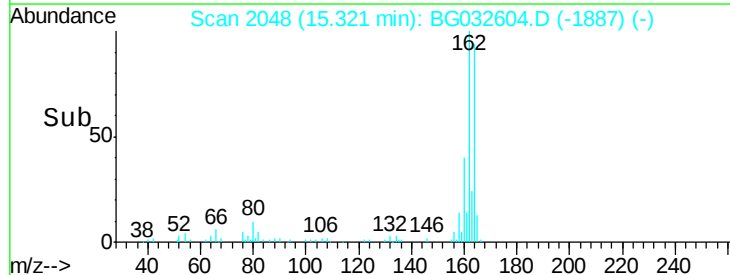
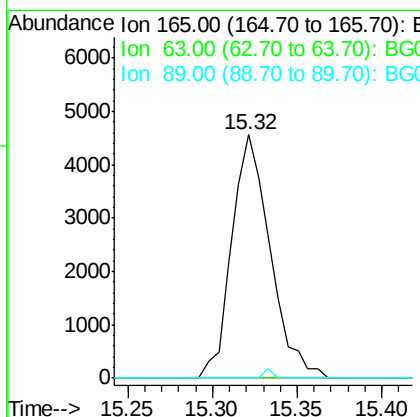
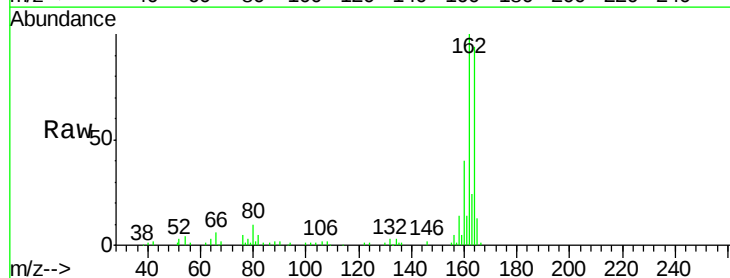
Instrument :
 BNA_G
 ClientSampleId :

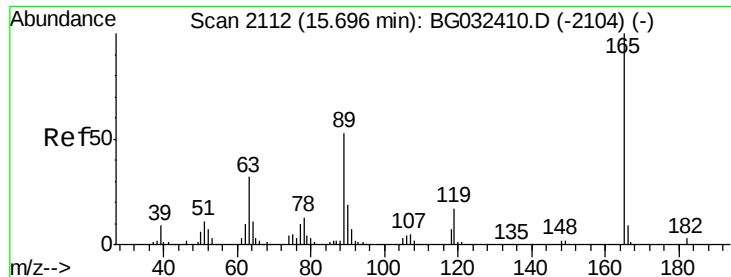
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.91 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. 0.42 min
 Lab File: BG032604.D
 Acq: 7 Feb 2018 21:36

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

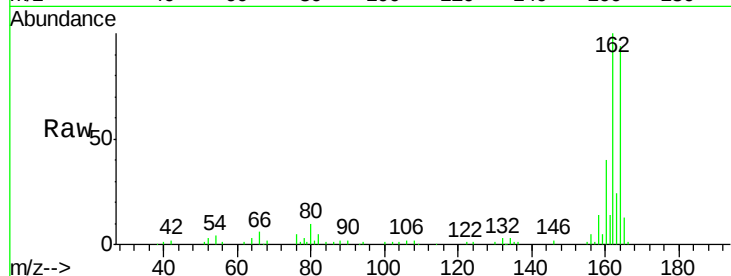




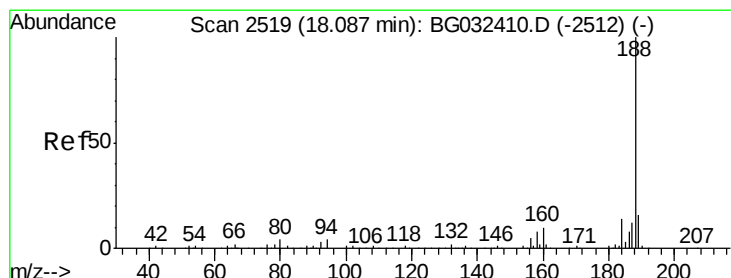
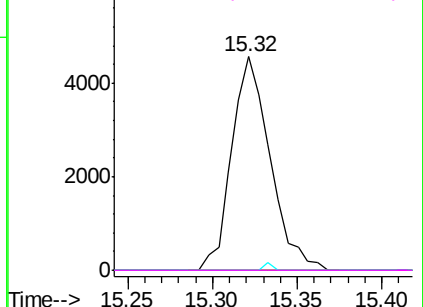
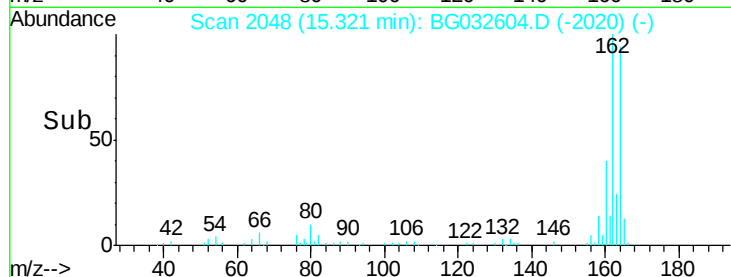
#56
 2,4-Dinitrotoluene
 Concen: 4.85 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.36 min
 Lab File: BG032604.D
 Acq: 7 Feb 2018 21:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7212
 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#

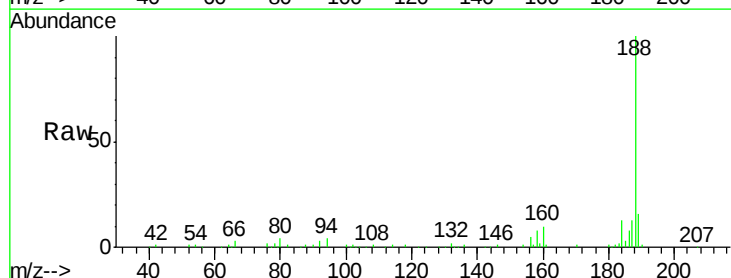


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

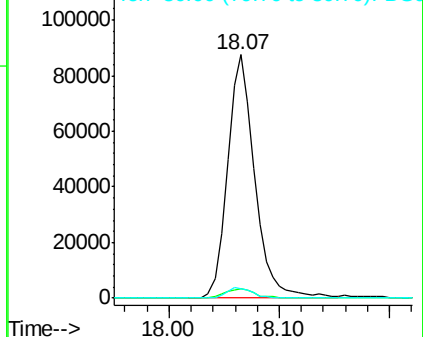
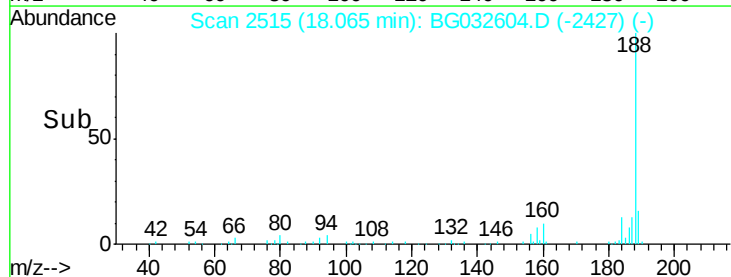


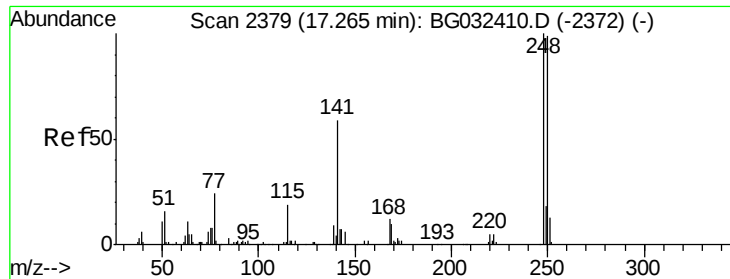
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.07 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BG032604.D
 Acq: 7 Feb 2018 21:36

Tgt Ion:188 Resp: 150960
 Ion Ratio Lower Upper
 188 100
 94 3.9 6.9 10.3#
 80 3.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

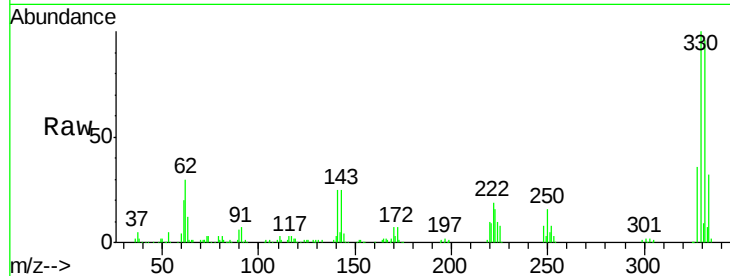




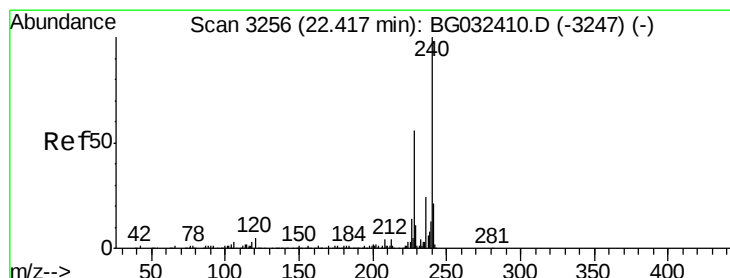
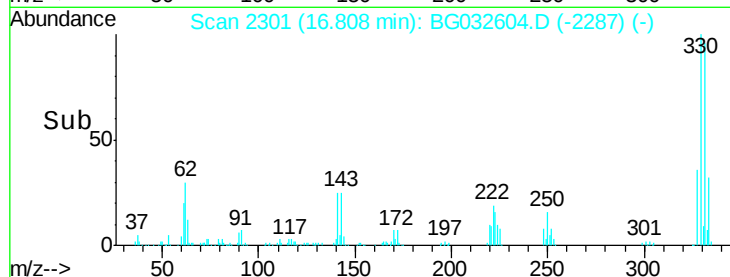
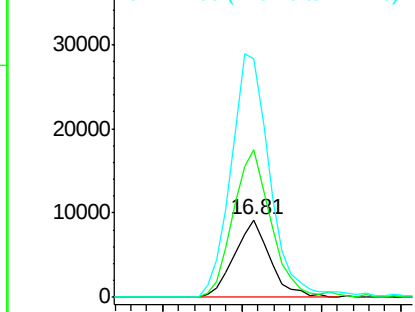
#66
4-Bromophenyl-phenylether
Concen: 6.39 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.45 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 14289
Ion Ratio Lower Upper
248 100
250 190.3 77.1 115.7#
141 308.4 50.8 76.2#

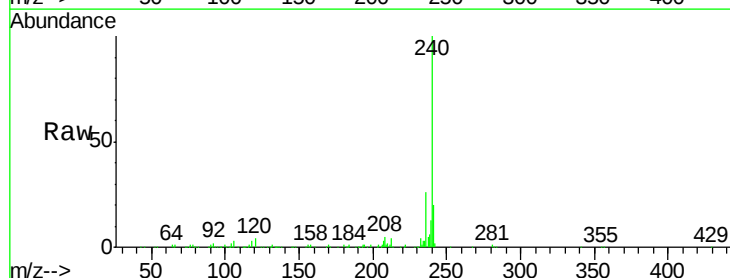


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

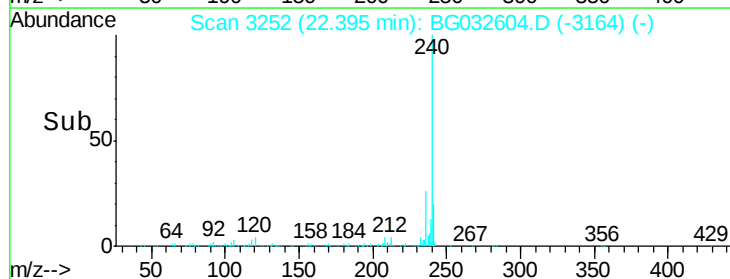
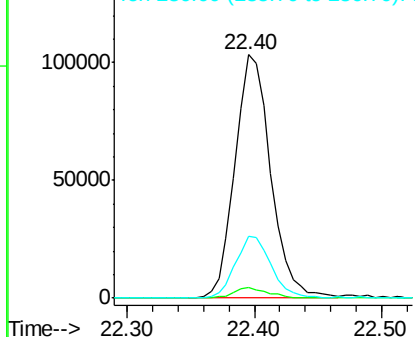


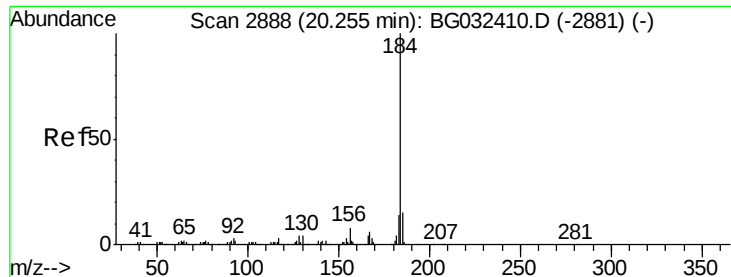
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.40 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BG032604.D
Acq: 7 Feb 2018 21:36

Tgt Ion:240 Resp: 202462
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 25.6 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: 4.09 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.37 min

Lab File: BG032604.D

Acq: 7 Feb 2018 21:36

Instrument :

BNA_G

ClientSampleId :

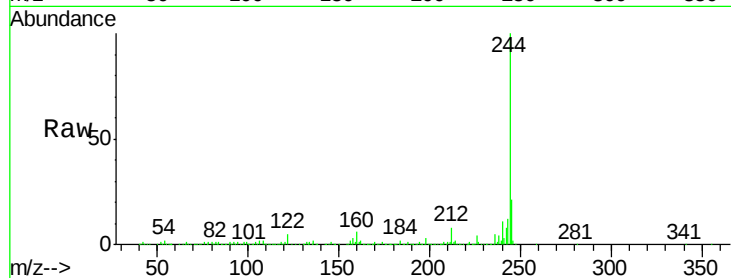
Tot Ion:184 Resp: 16243

Ion Ratio Lower Upper

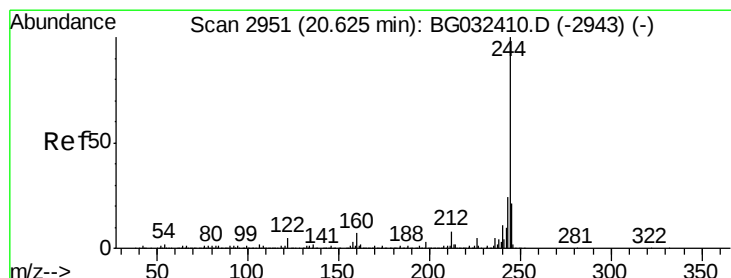
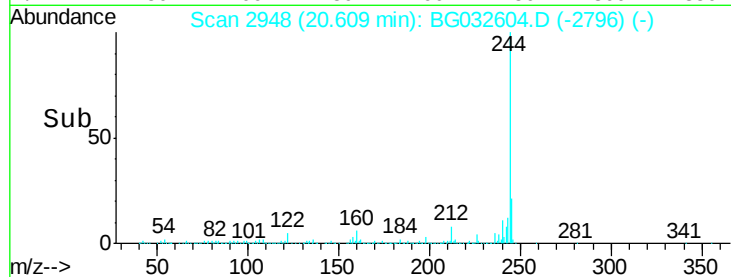
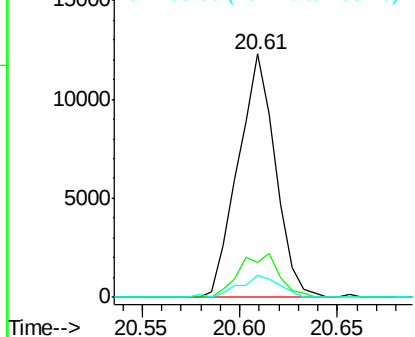
184 100

185 14.6 11.1 16.7

183 9.0 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: 118.39 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BG032604.D

Acq: 7 Feb 2018 21:36

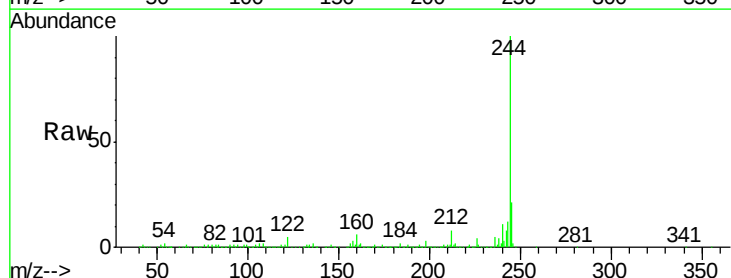
Tgt Ion:244 Resp: 1118939

Ion Ratio Lower Upper

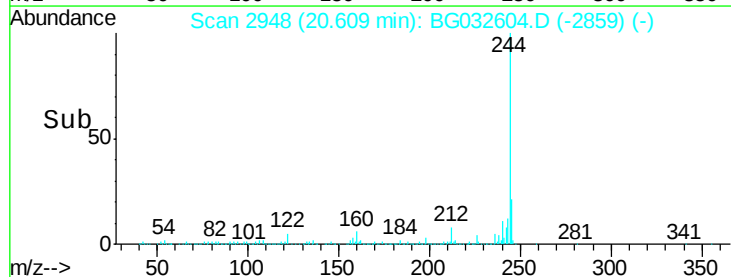
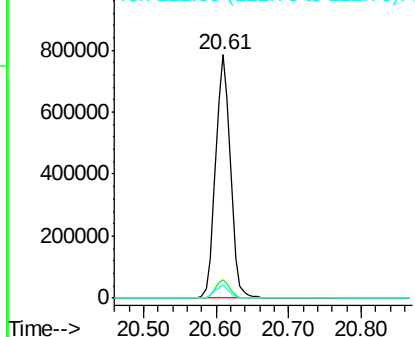
244 100

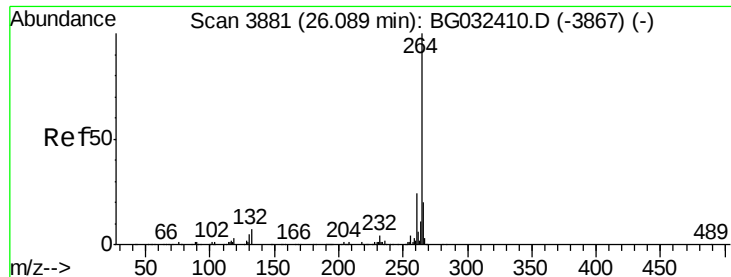
212 7.6 5.8 8.8

122 5.4 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

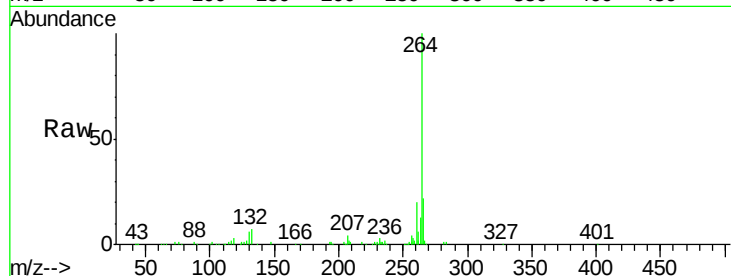




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.08 min Scan# 3879
 Delta R.T. 0.01 min
 Lab File: BG032604.D
 Acq: 7 Feb 2018 21:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	19.8	17.4	26.0	
265	22.0	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

