

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032450.D
 Acq On : 30 Jan 2018 20:22
 Operator : SJ/JU
 Sample : J1367-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 00:45:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

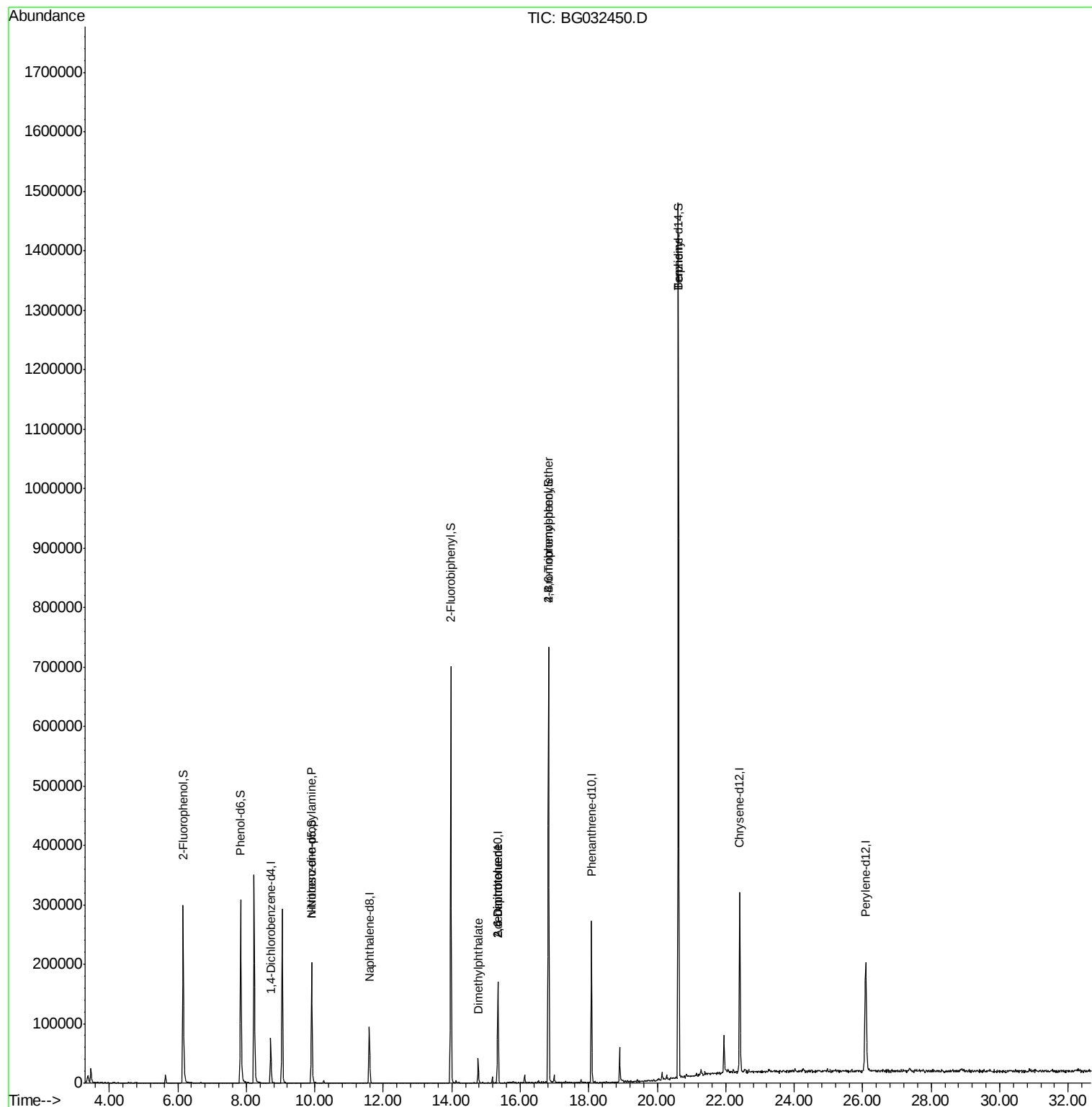
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	26213	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	96721	20.00	ng	-0.01
38) Acenaphthene-d10	15.35	164	69303	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	184921	20.00	ng	0.00
75) Chrysene-d12	22.41	240	235613	20.00	ng	-0.01
86) Perylene-d12	26.08	264	257604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	168263	128.93	ng	0.00
7) Phenol-d6	7.83	99	203599	116.91	ng	0.00
23) Nitrobenzene-d5	9.91	82	127074	82.06	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	167885	127.26	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	417134	71.54	ng	-0.01
78) Terphenyl-d14	20.61	244	801688	72.89	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	18917	16.383	ng	# 85
49) Dimethylphthalate	14.77	163	33608	5.259	ng	# 97
50) 2,6-Dinitrotoluene	15.34	165	9262	6.906	ng	# 21
56) 2,4-Dinitrotoluene	15.34	165	9262	4.850	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	14047	5.127	ng	# 1
76) Benzidine	20.62	184	11434	2.471	ng	# 85

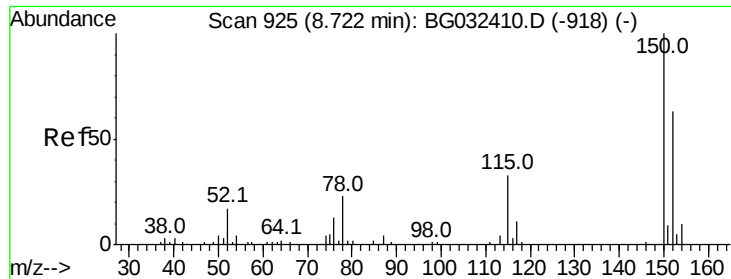
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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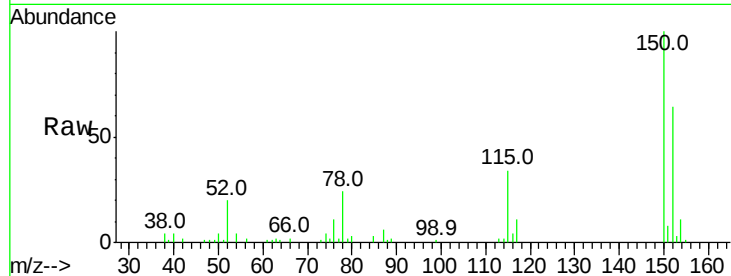


#1

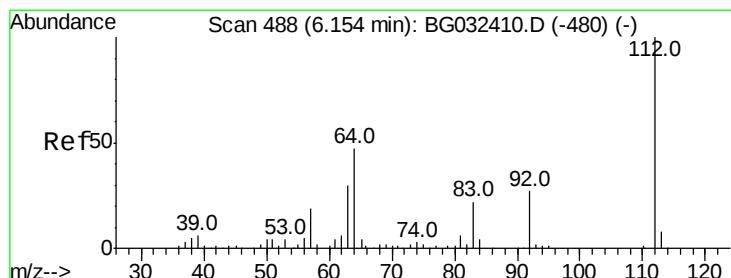
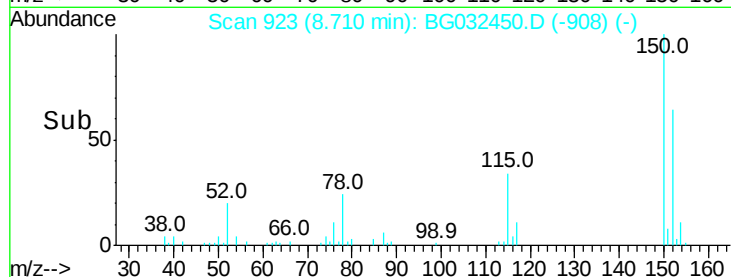
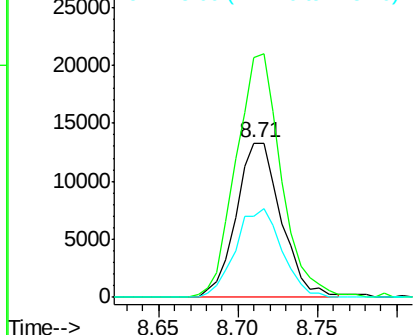
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032450.D
 Acq: 30 Jan 2018 20:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 26213
 Ion Ratio Lower Upper
 152 100
 150 155.4 126.6 189.8
 115 52.7 53.0 79.4#



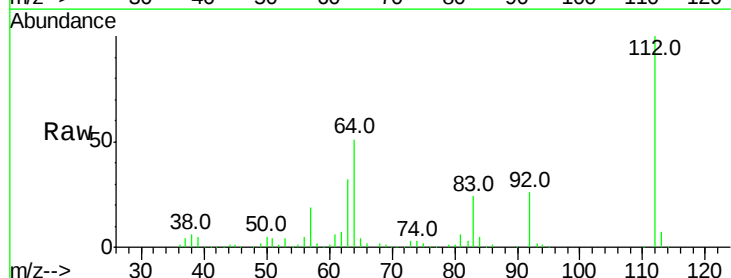
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



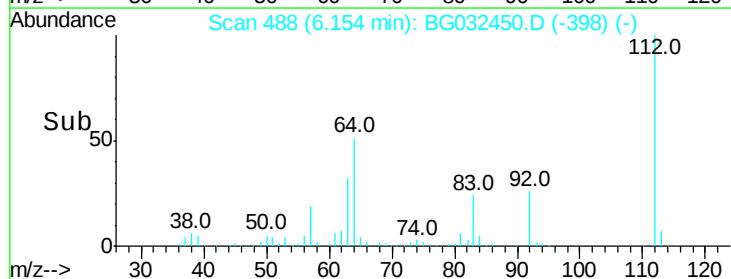
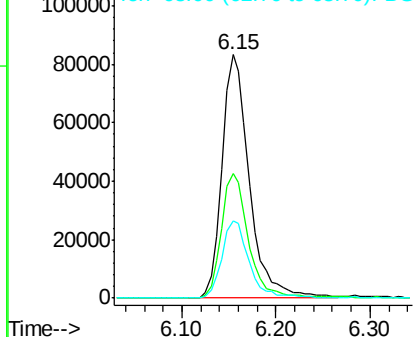
#5

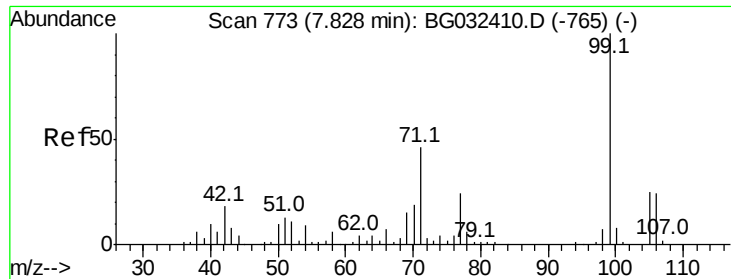
2-Fluorophenol
 Concen: 128.931 ng
 RT: 6.15 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BG032450.D
 Acq: 30 Jan 2018 20:22

Tgt Ion:112 Resp: 168263
 Ion Ratio Lower Upper
 112 100
 64 51.4 56.3 84.5#
 63 31.8 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: 116.910 ng

RT: 7.83 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Instrument :

BNA_G

ClientSampled :

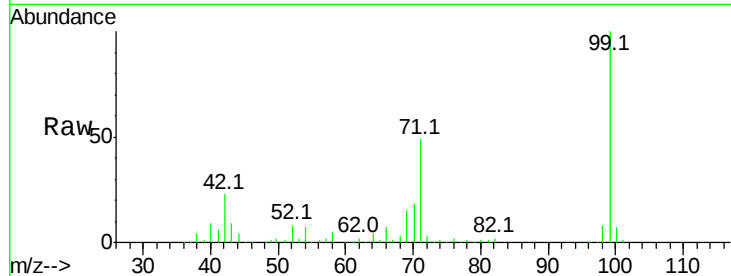
Tot Ion: 99 Resp: 203599

Ion Ratio Lower Upper

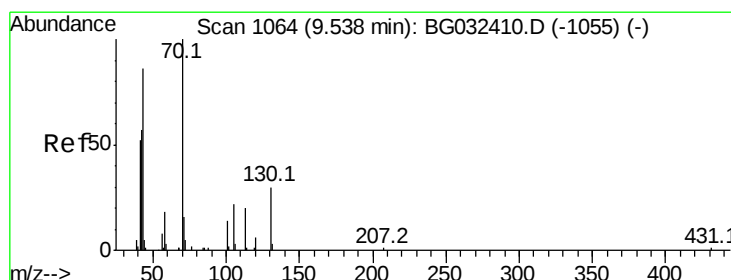
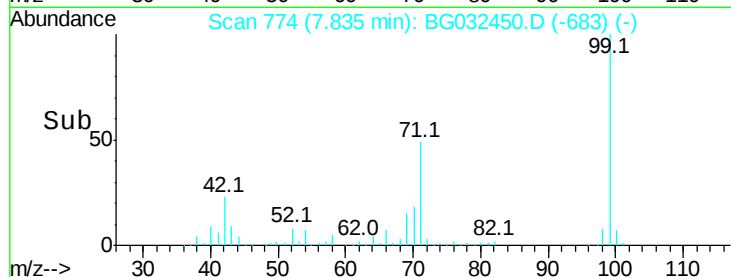
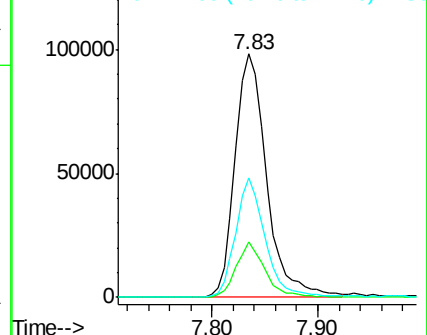
99 100

42 22.6 14.1 21.1#

71 48.9 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: 16.383 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Tgt Ion: 70 Resp: 18917

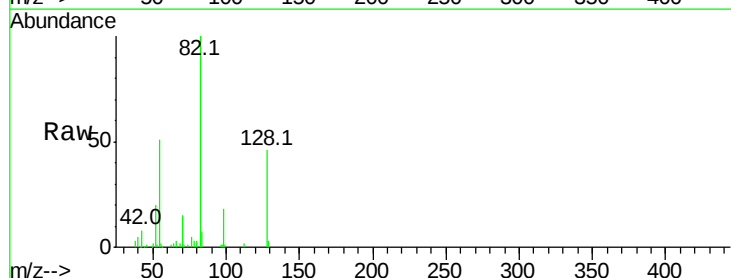
Ion Ratio Lower Upper

70 100

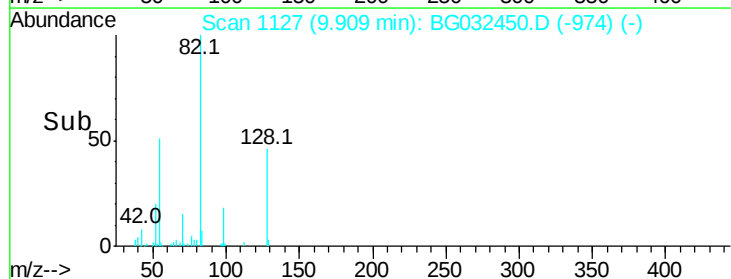
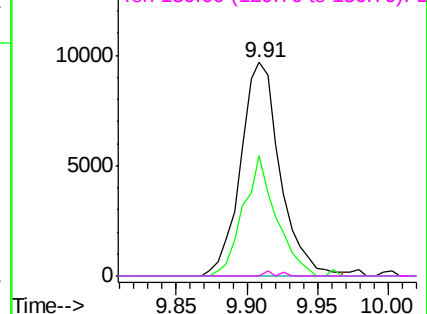
42 56.2 49.1 73.7

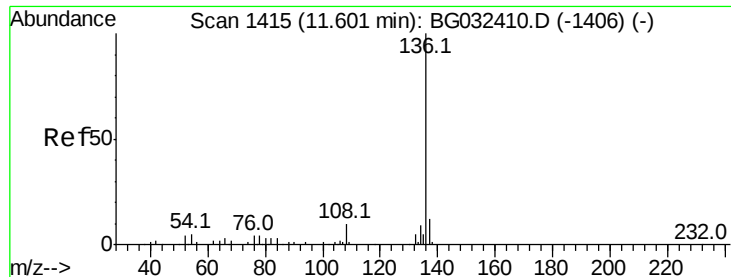
101 0.0 8.5 12.7#

130 0.0 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: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 96721

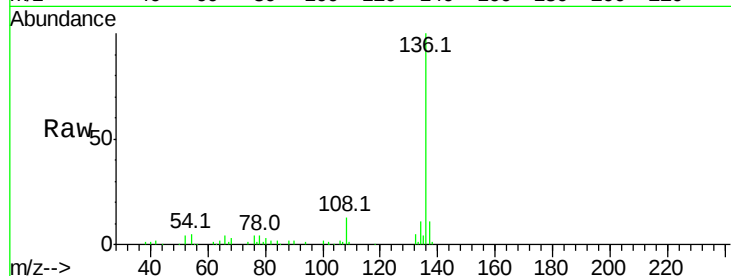
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 4.6 10.3 15.5#

68 3.5 4.5 6.7#

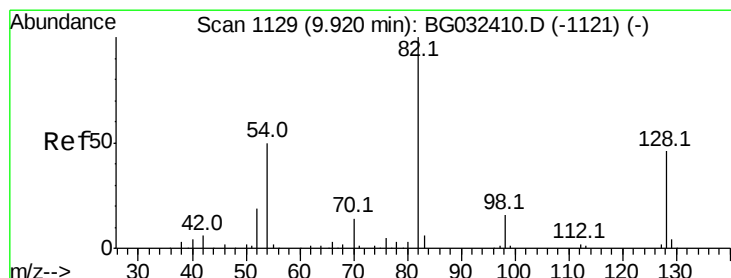
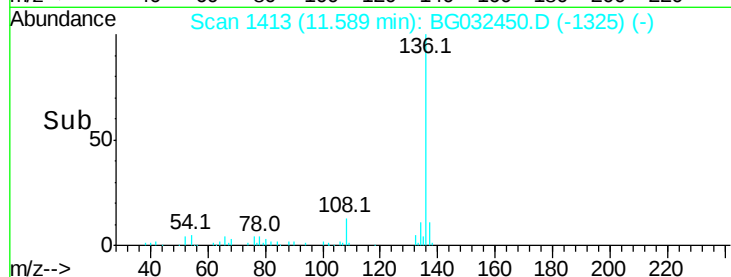
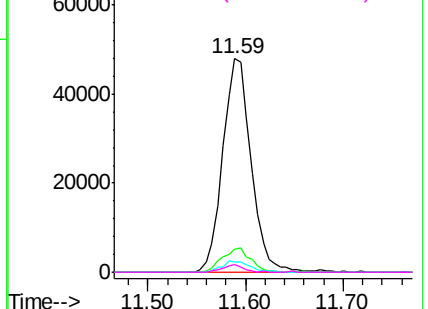


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.062 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

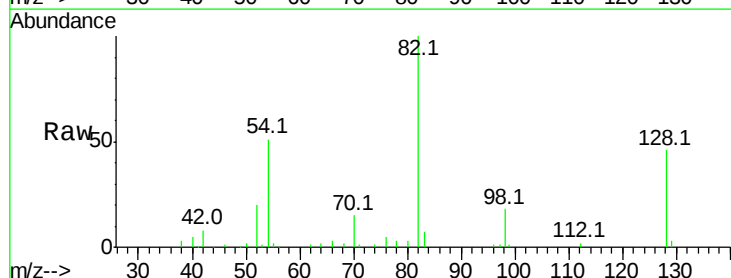
Tgt Ion: 82 Resp: 127074

Ion Ratio Lower Upper

82 100

128 46.5 29.7 44.5#

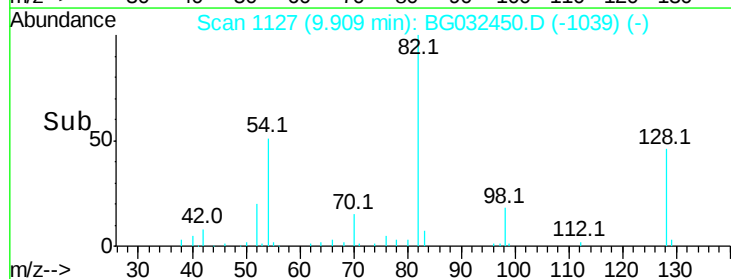
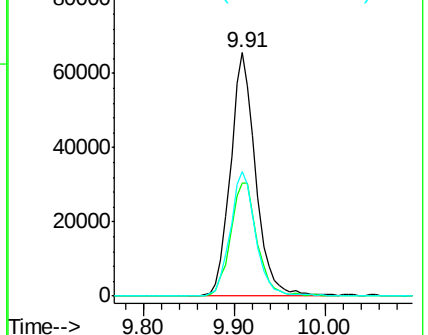
54 51.1 43.1 64.7

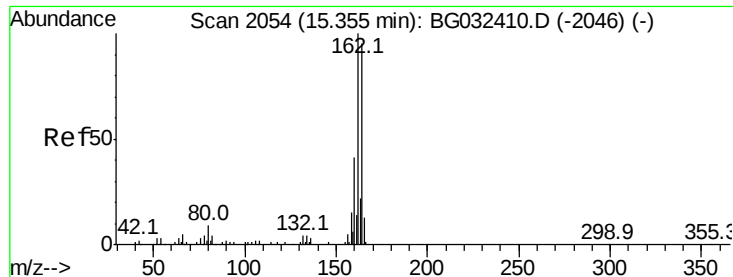


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

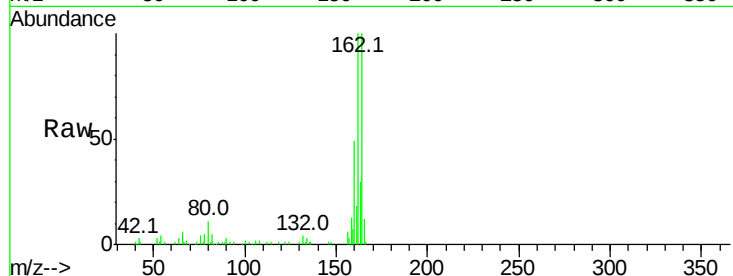
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 69303

Ion	Ratio	Lower	Upper
164	100		
162	99.5	78.8	118.2
160	49.4	35.4	53.0

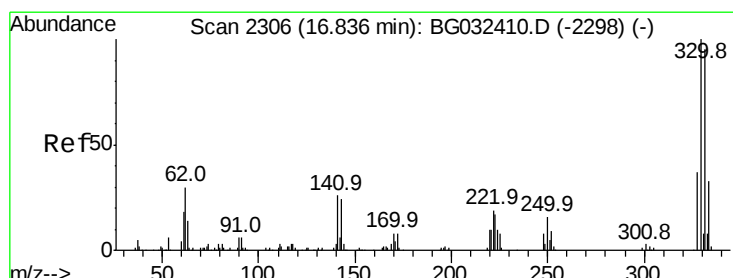
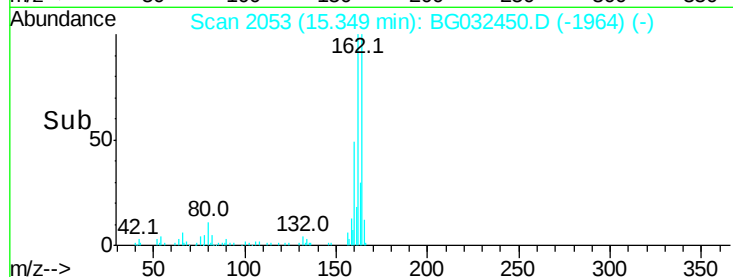
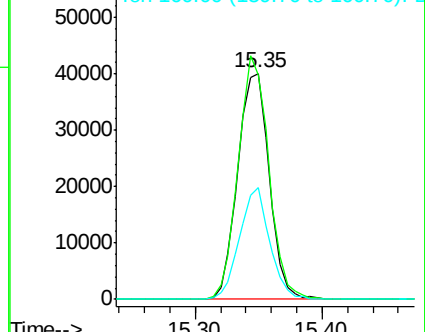


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 127.264 ng

RT: 16.82 min Scan# 2304

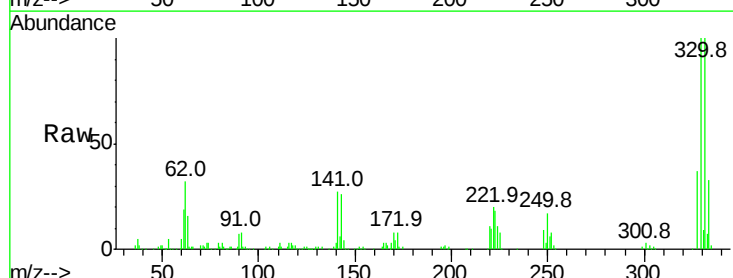
Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Tgt Ion:330 Resp: 167885

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	28.6	25.2	37.8

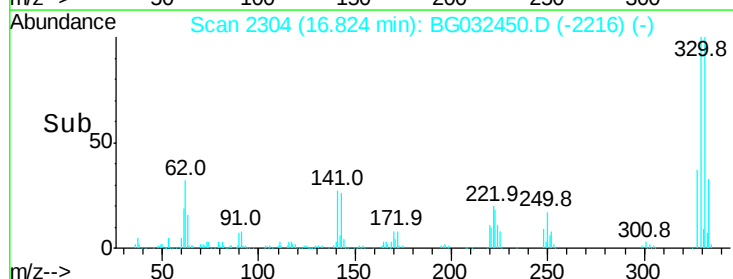
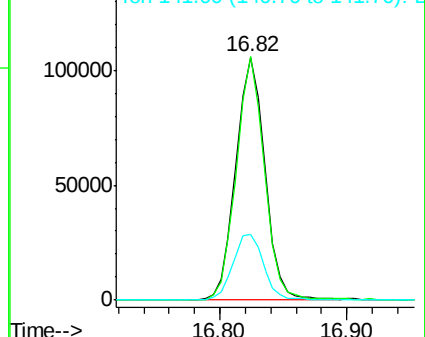


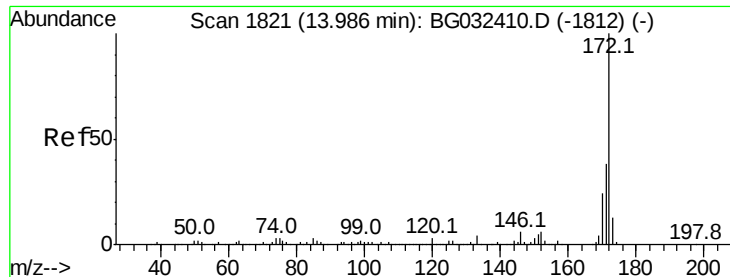
Abundance

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: 71.540 ng

RT: 13.97 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

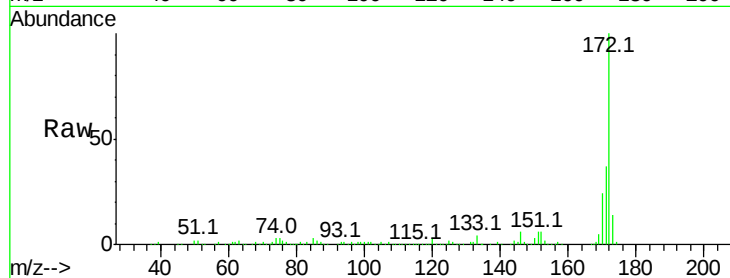
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 417134

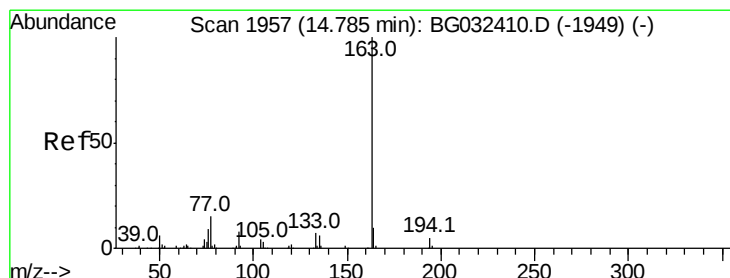
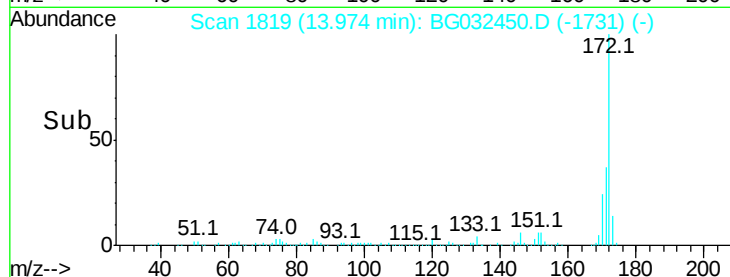
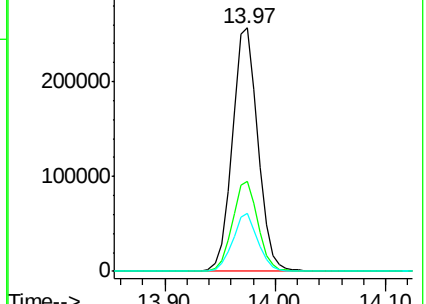
Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	23.9	19.5	29.3



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



#49

Dimethylphthalate

Concen: 5.259 ng

RT: 14.77 min Scan# 1954

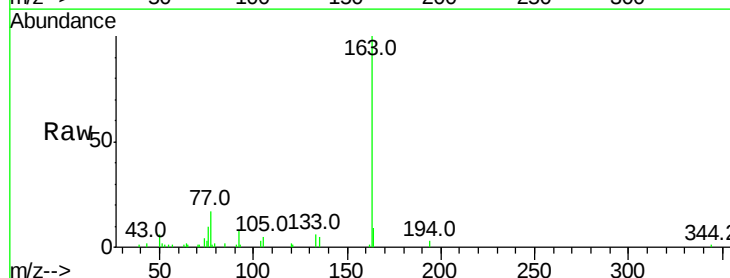
Delta R.T. -0.02 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Tgt Ion:163 Resp: 33608

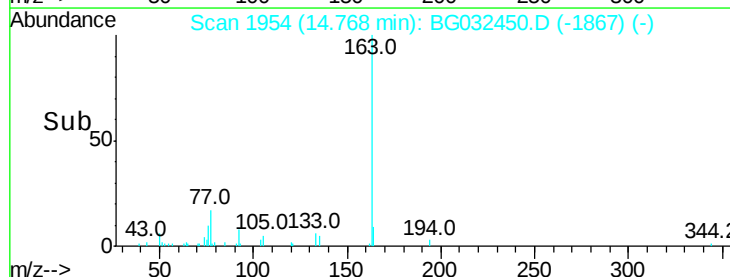
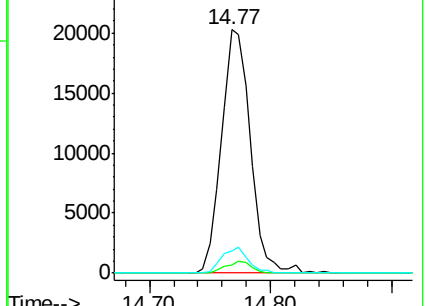
Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.4	5.2#
164	9.2	8.2	12.4

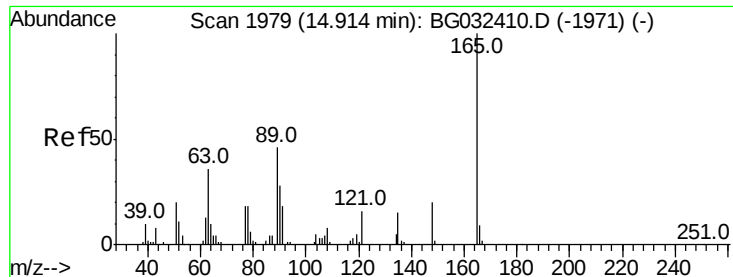


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

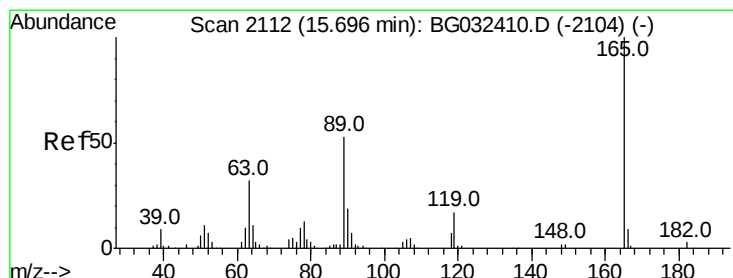
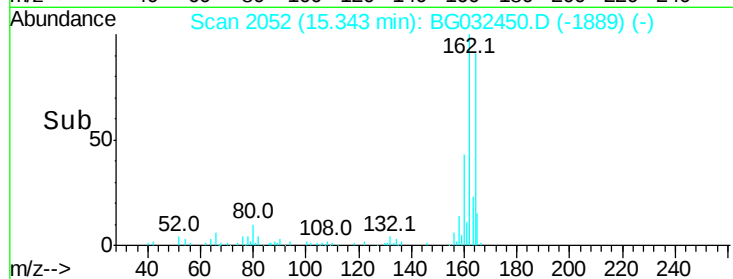
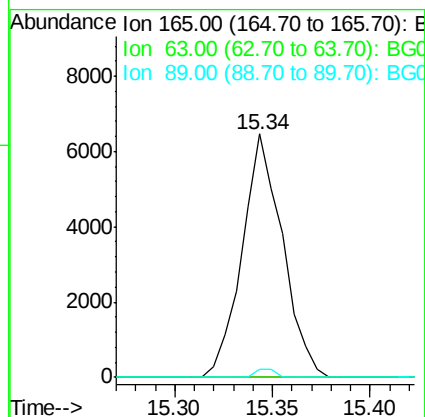
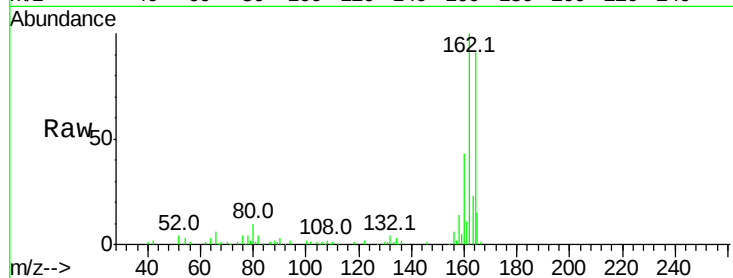




#50
2,6-Dinitrotoluene
Concen: 6.906 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032450.D
Acq: 30 Jan 2018 20:22

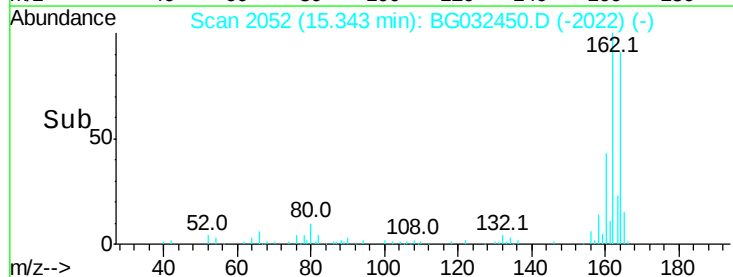
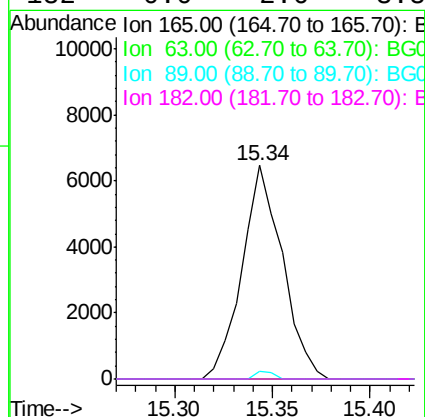
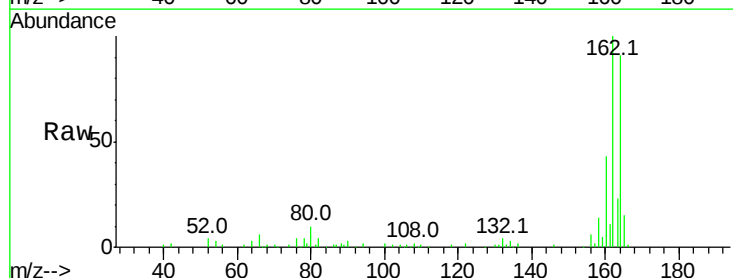
Instrument :
BNA_G
ClientSampleId :

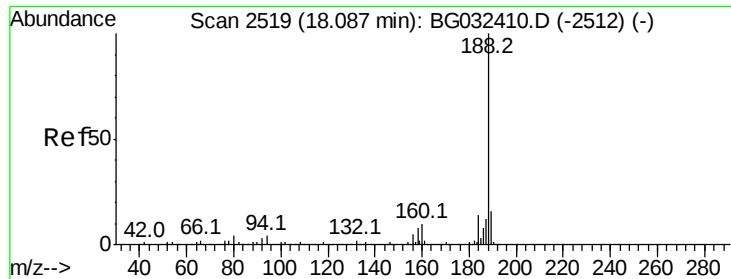
Tot Ion:165 Resp: 9262
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.5 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.850 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032450.D
Acq: 30 Jan 2018 20:22

Tgt Ion:165 Resp: 9262
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.5 66.9 100.3#
182 0.0 2.6 3.8#

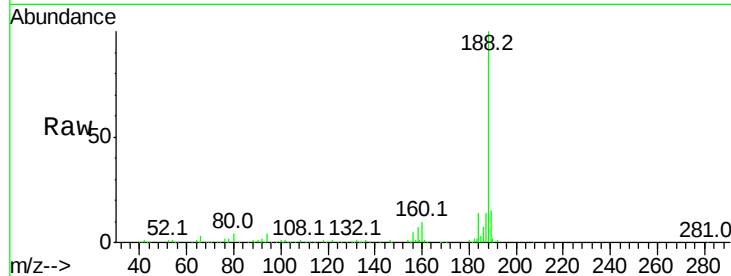




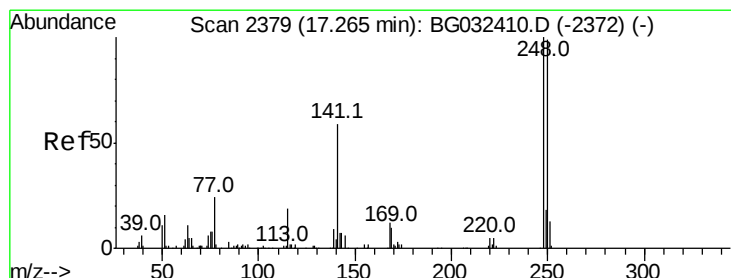
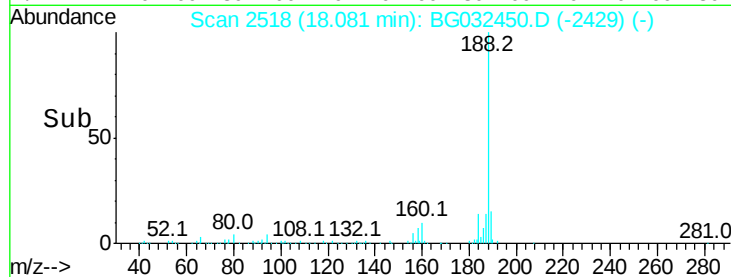
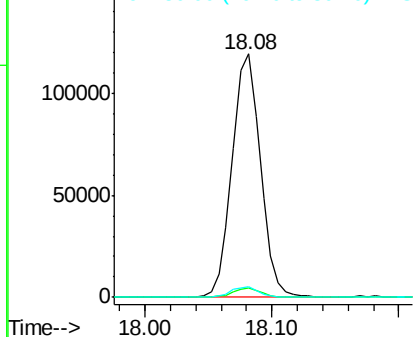
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BG032450.D
 Acq: 30 Jan 2018 20:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 184921
 Ion Ratio Lower Upper
 188 100
 94 4.1 6.9 10.3#
 80 4.2 7.7 11.5#

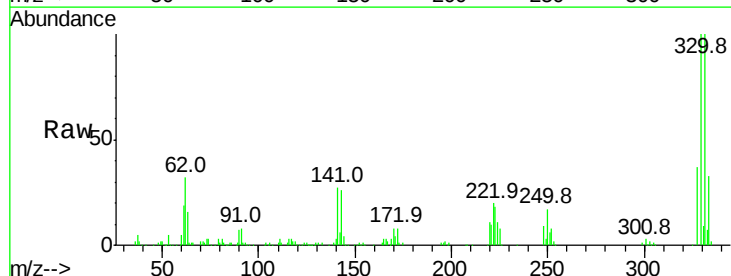


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

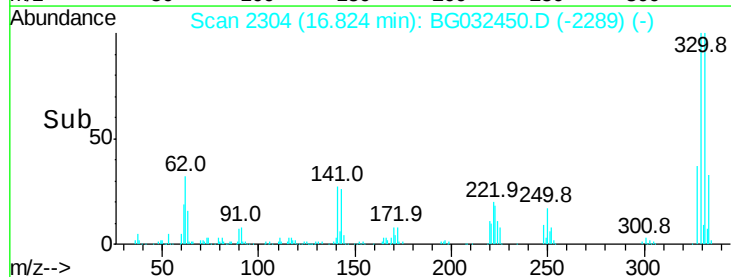
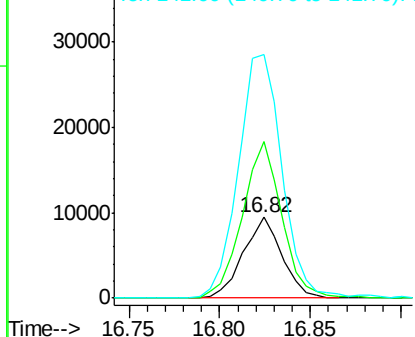


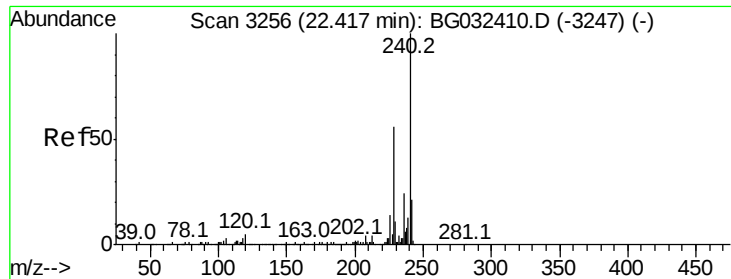
#66
 4-Bromophenyl-phenylether
 Concen: 5.127 ng
 RT: 16.82 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032450.D
 Acq: 30 Jan 2018 20:22

Tgt Ion:248 Resp: 14047
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.1 115.7#
 141 301.6 50.8 76.2#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Instrument :

BNA_G

ClientSampleId :

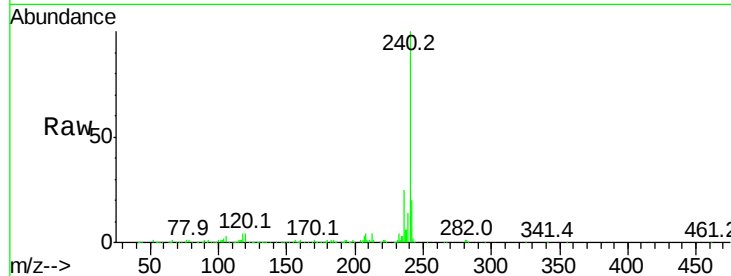
Tot Ion:240 Resp: 235613

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

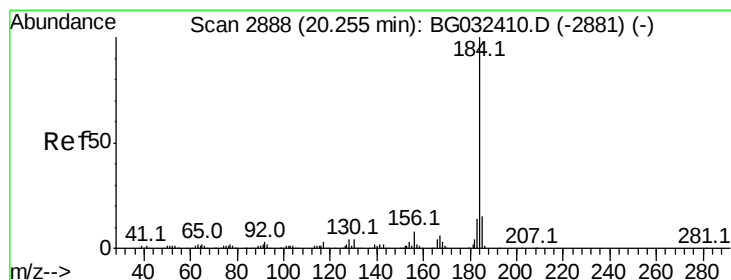
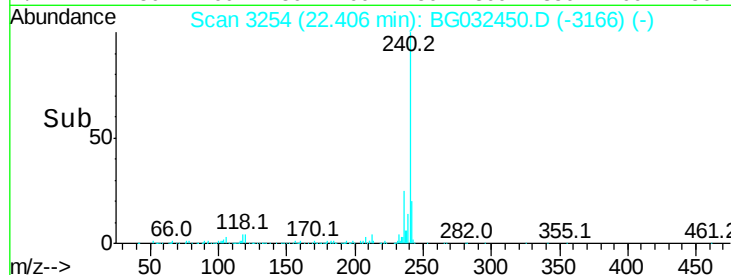
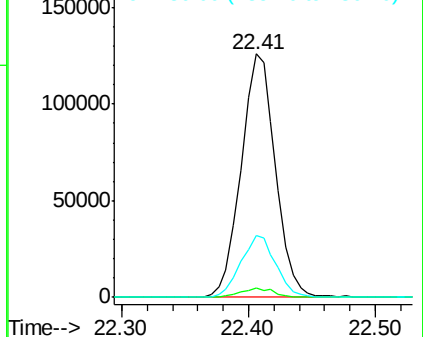
236 25.2 20.9 31.3



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: 2.471 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.36 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

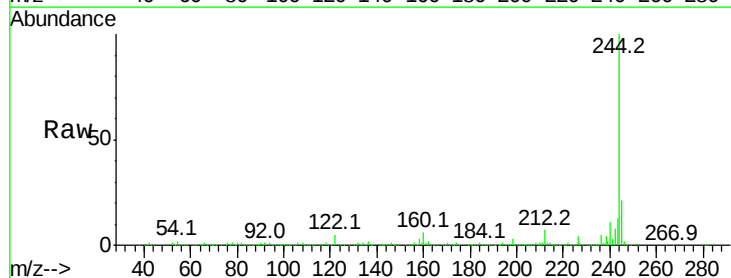
Tgt Ion:184 Resp: 11434

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

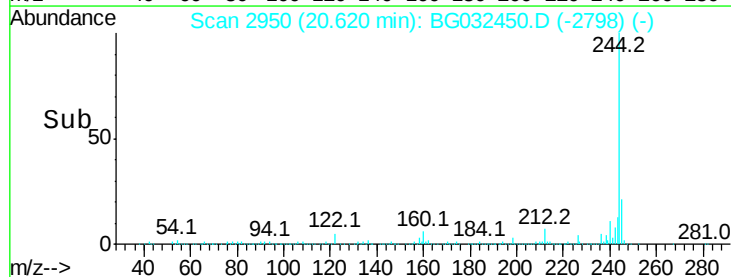
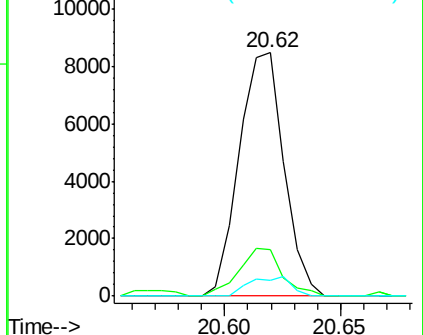
183 6.7 10.6 16.0#

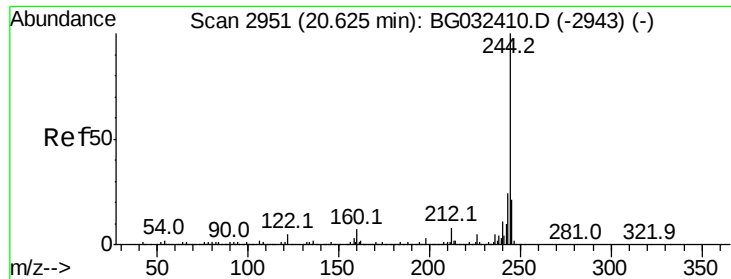


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 72.886 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Instrument :

BNA_G

ClientSampleId :

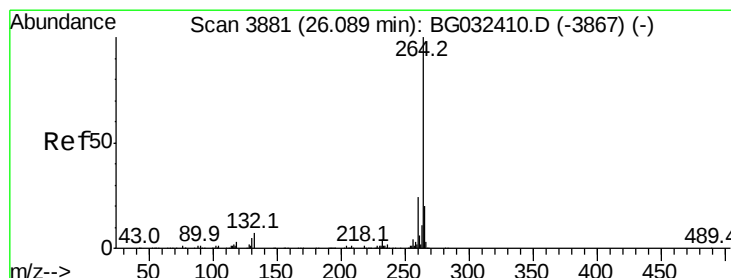
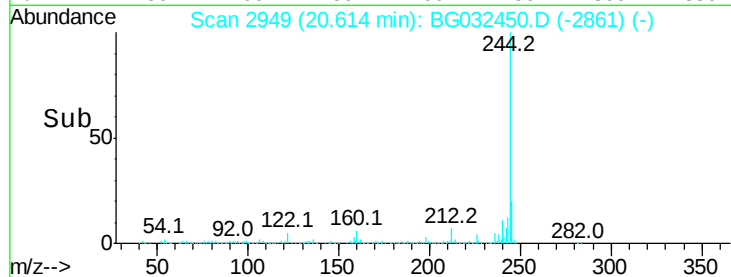
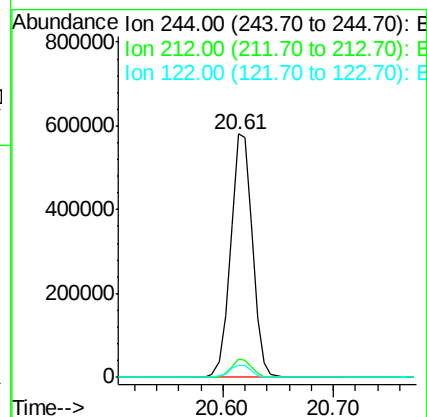
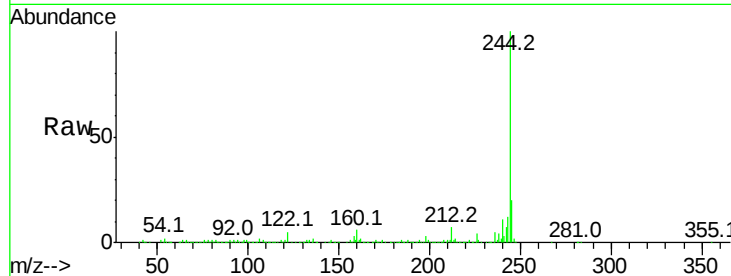
Tot Ion:244 Resp: 801688

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 5.1 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.08 min Scan# 3880

Delta R.T. -0.01 min

Lab File: BG032450.D

Acq: 30 Jan 2018 20:22

Tgt Ion:264 Resp: 257604

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 22.2 17.7 26.5

