

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032454.D
 Acq On : 30 Jan 2018 22:53
 Operator : SJ/JU
 Sample : J1364-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 00:47:45 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

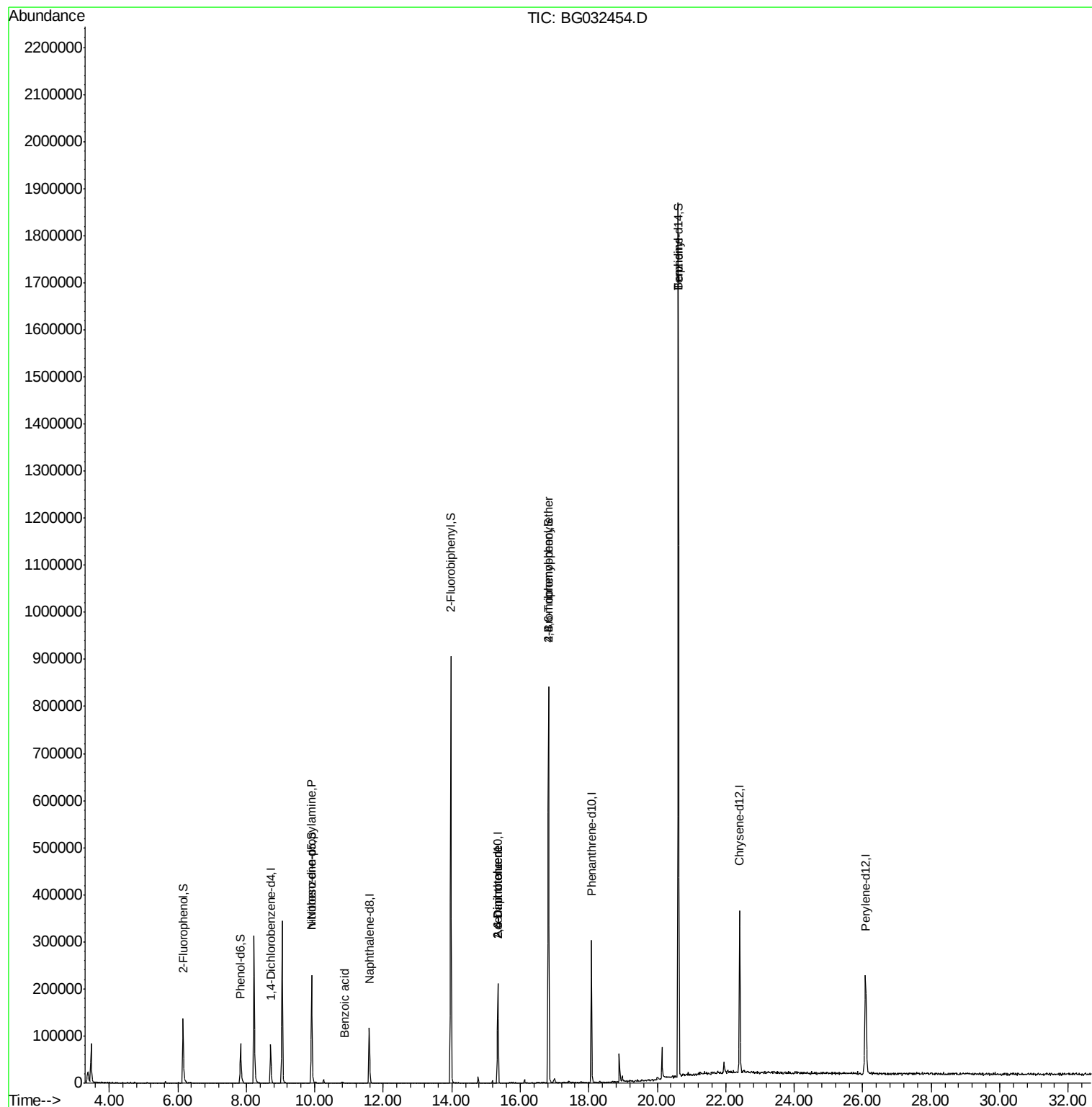
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28716	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	118489	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	84017	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	214677	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	257917	20.00	ng	-0.01
86) Perylene-d12	26.09	264	285811	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	79757	55.79	ng	0.00
7) Phenol-d6	7.83	99	63239	33.15	ng	0.00
23) Nitrobenzene-d5	9.91	82	150307	79.23	ng	-0.01
41) 2,4,6-Tribromophenol	16.83	330	201552	126.03	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	554566	78.45	ng	-0.02
78) Terphenyl-d14	20.61	244	1018040	84.55	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	21876	17.294	ng	# 74
32) Benzoic acid	10.89	122	63	7.328	ng	# 45
50) 2,6-Dinitrotoluene	15.34	165	10244	6.300	ng	# 20
56) 2,4-Dinitrotoluene	15.34	165	10244	4.425	ng	# 18
66) 4-Bromophenyl-phenylether	16.83	248	16400	5.157	ng	# 1
76) Benzidine	20.61	184	15032	2.968	ng	# 86

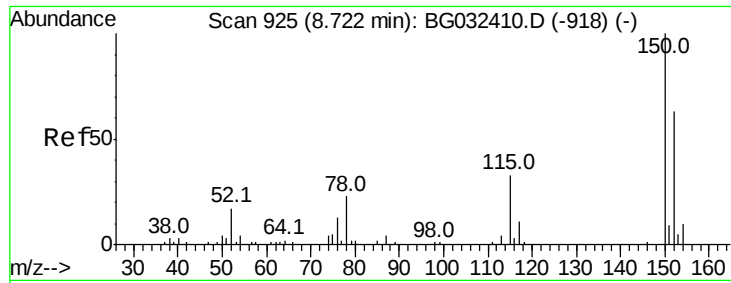
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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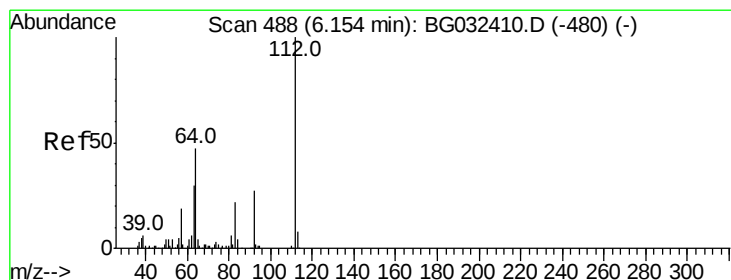
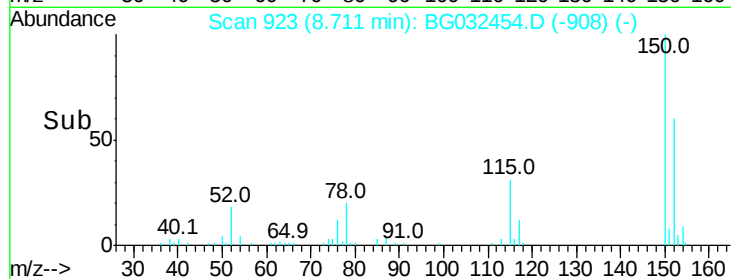
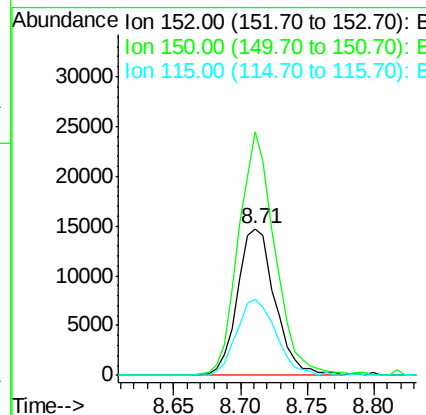
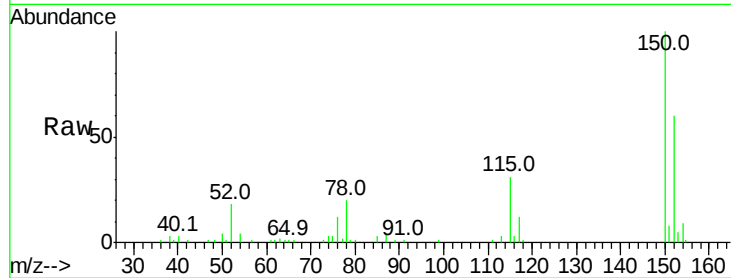


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032454.D
 Acq: 30 Jan 2018 22:53

Instrument :
 BNA_G
 ClientSampleId :

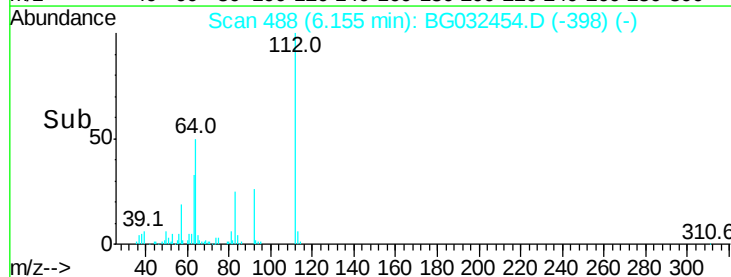
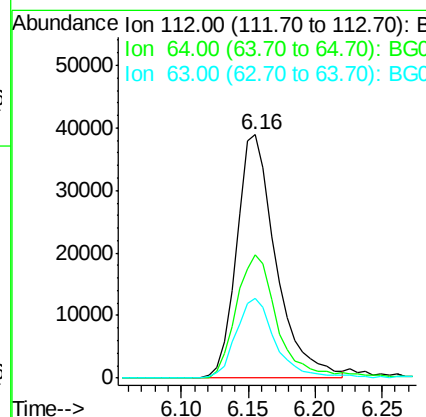
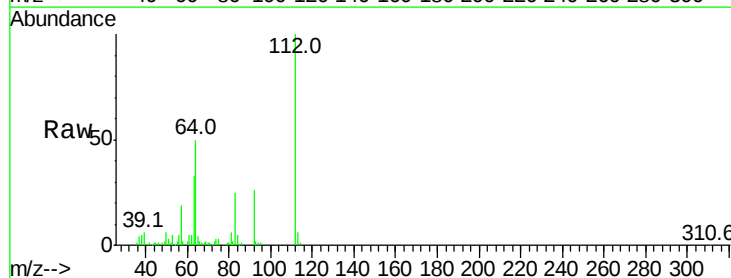
Tot Ion:152 Resp: 28716
 Ion Ratio Lower Upper
 152 100
 150 166.3 126.6 189.8
 115 51.6 53.0 79.4#

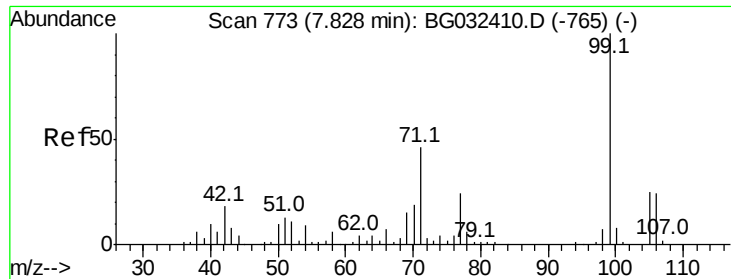


#5

2-Fluorophenol
 Concen: 55.786 ng
 RT: 6.16 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BG032454.D
 Acq: 30 Jan 2018 22:53

Tgt Ion:112 Resp: 79757
 Ion Ratio Lower Upper
 112 100
 64 50.5 56.3 84.5#
 63 32.5 30.1 45.1





#7

Phenol-d6

Concen: 33.148 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

Instrument :

BNA_G

ClientSampleId :

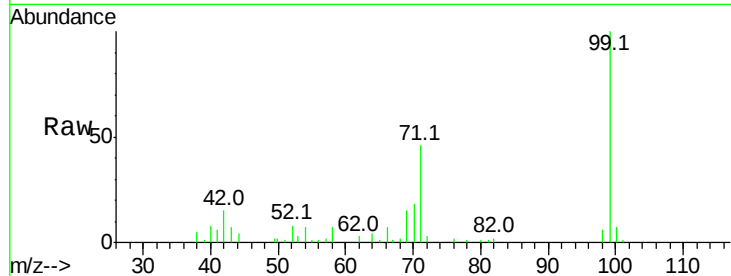
Tot Ion: 99 Resp: 63239

Ion Ratio Lower Upper

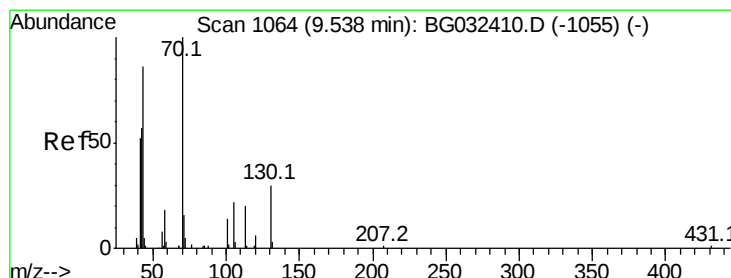
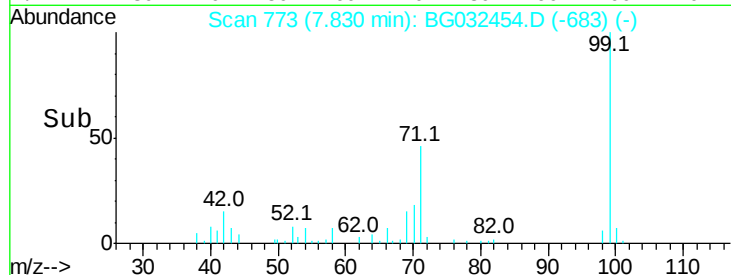
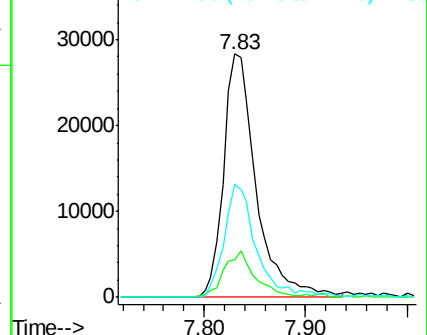
99 100

42 15.3 14.1 21.1

71 46.2 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: 17.294 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

Tgt Ion: 70 Resp: 21876

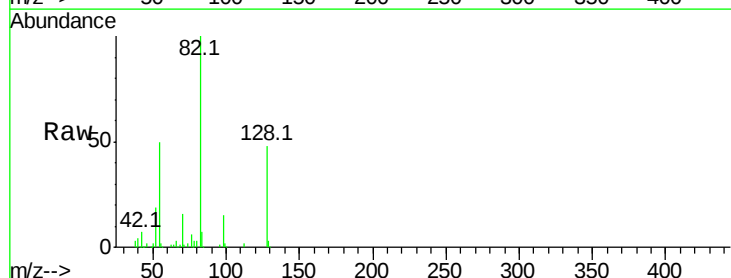
Ion Ratio Lower Upper

70 100

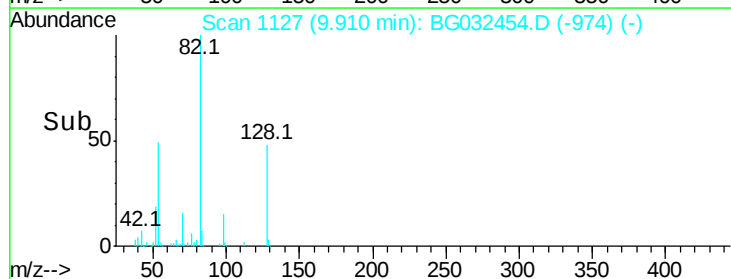
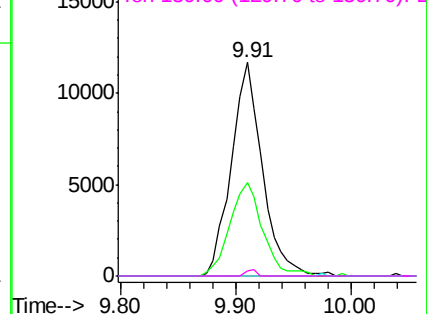
42 43.6 49.1 73.7#

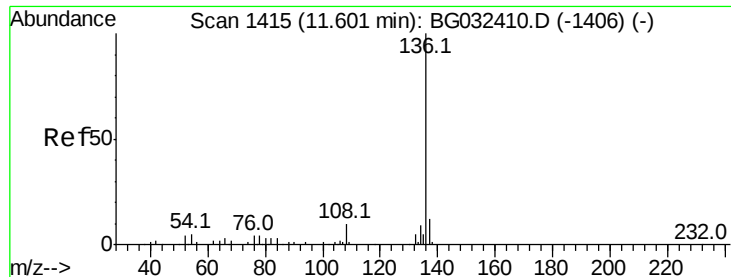
101 0.0 8.5 12.7#

130 2.2 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: BG032454.D

Acq: 30 Jan 2018 22:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 118489

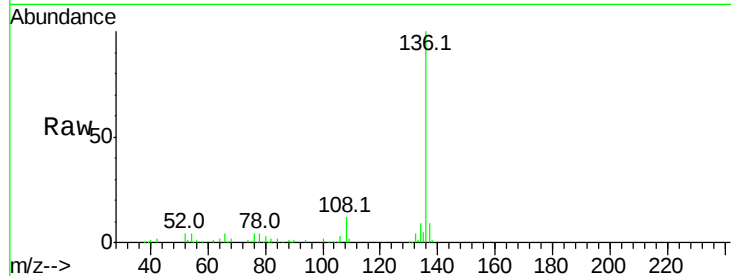
Ion Ratio Lower Upper

136 100

137 9.0 9.2 13.8#

54 4.4 10.3 15.5#

68 2.1 4.5 6.7#

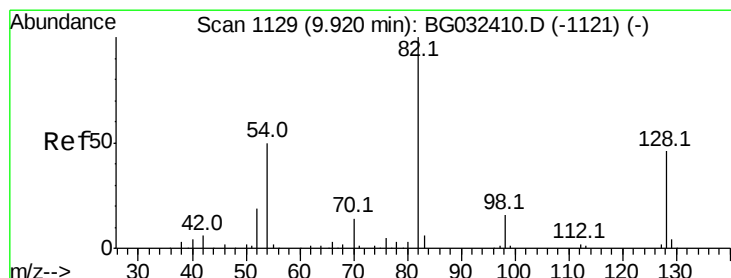
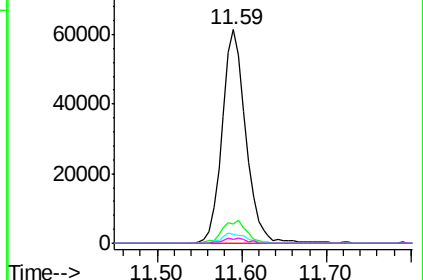
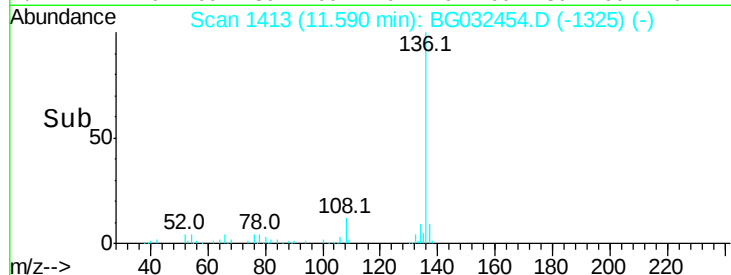


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.233 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

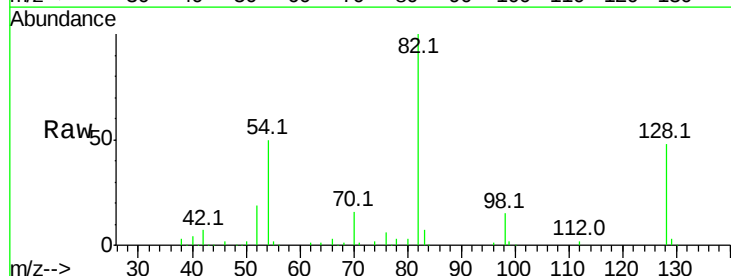
Tgt Ion: 82 Resp: 150307

Ion Ratio Lower Upper

82 100

128 48.4 29.7 44.5#

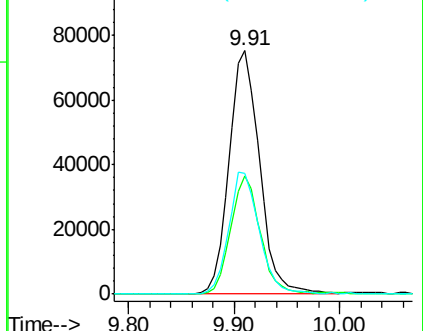
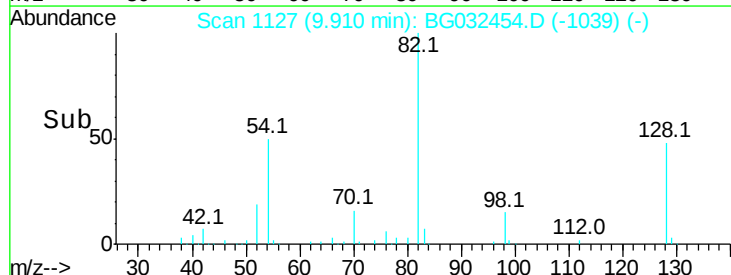
54 49.6 43.1 64.7

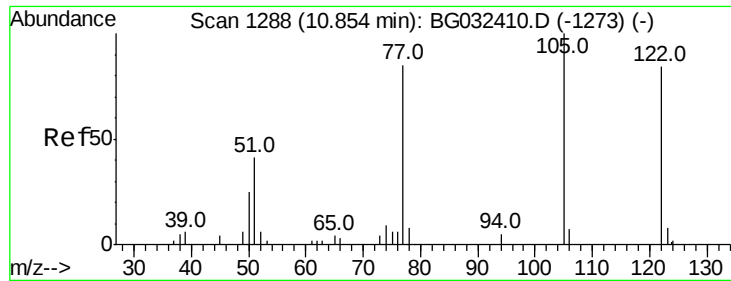


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

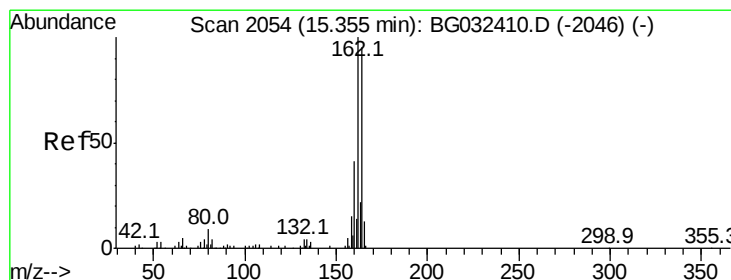
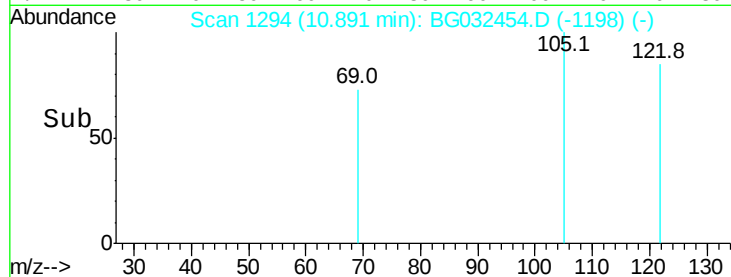
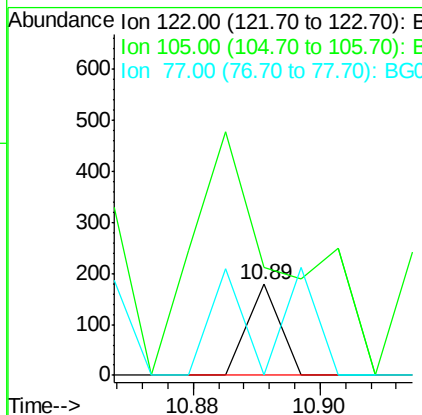
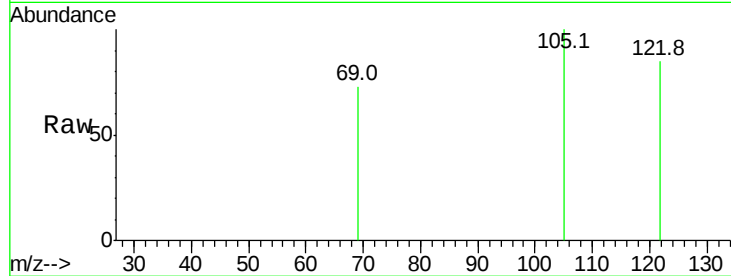




#32
Benzoic acid
Concen: 7.328 ng
RT: 10.89 min Scan# 1294
Delta R.T. 0.04 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

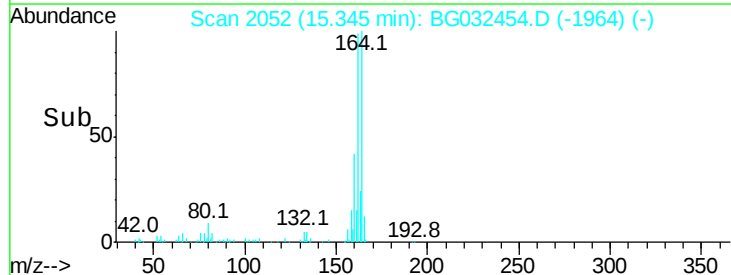
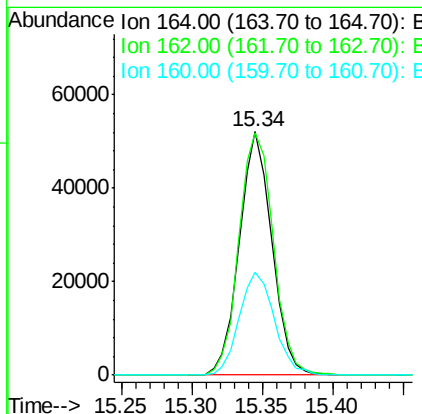
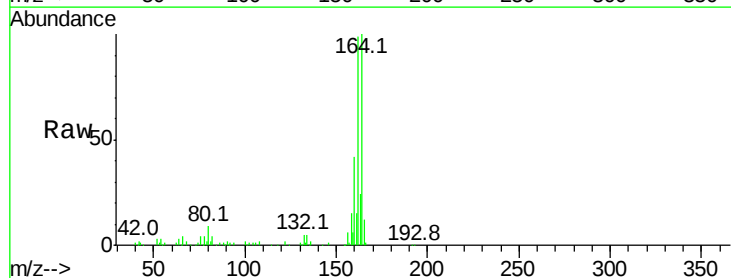
Instrument :
BNA_G
ClientSampled :

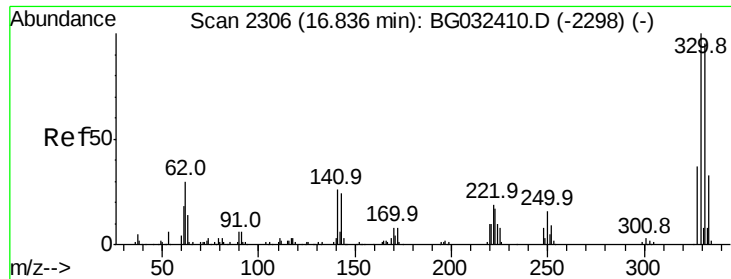
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 117.9 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

Tgt Ion:164 Resp: 84017
Ion Ratio Lower Upper
164 100
162 99.4 78.8 118.2
160 42.1 35.4 53.0

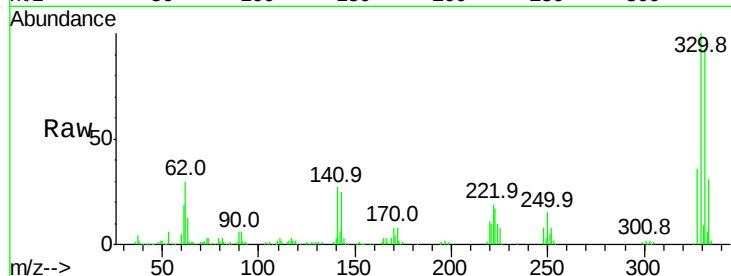




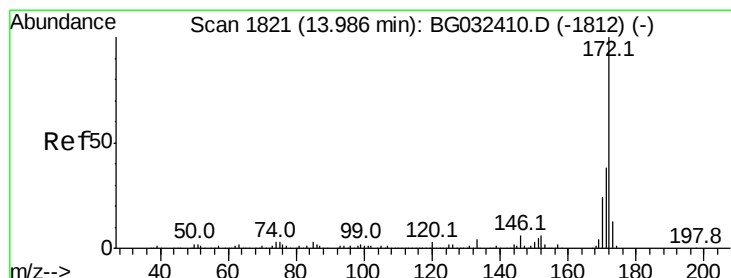
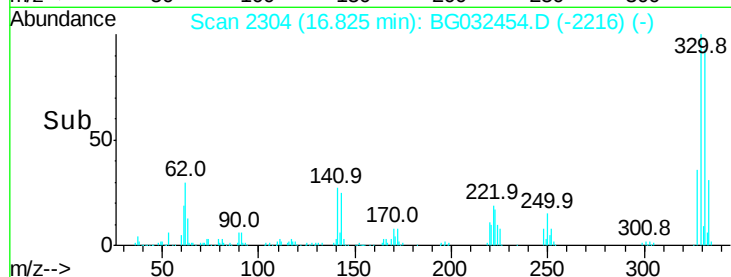
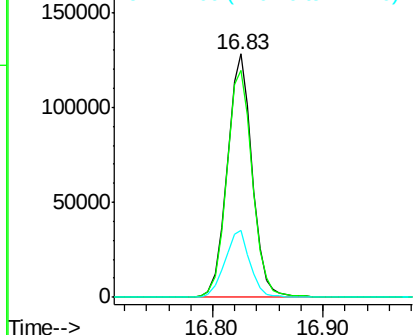
#41
 2,4,6-Tribromophenol
 Concen: 126.028 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032454.D
 Acq: 30 Jan 2018 22:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	27.9	25.2	37.8

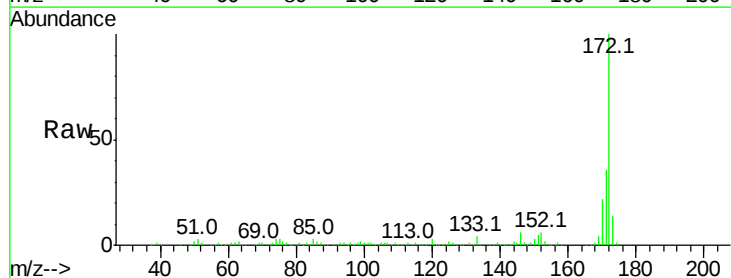


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

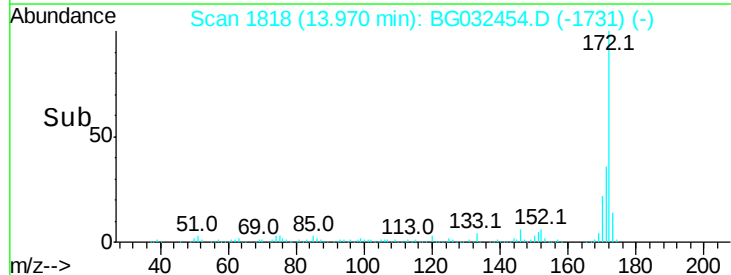
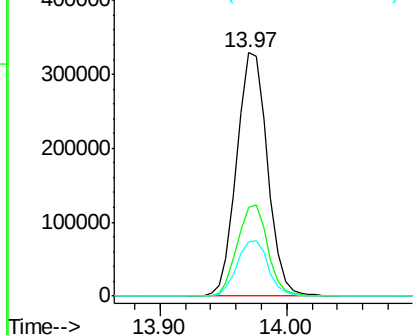


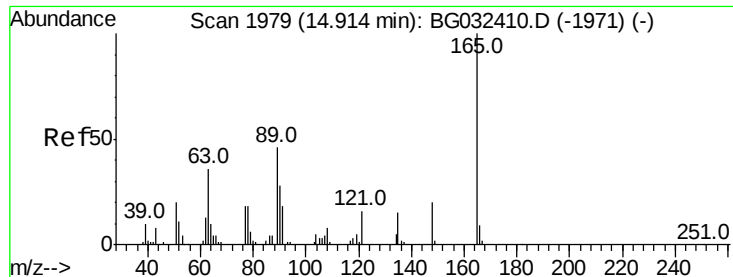
#44
 2-Fluorobiphenyl
 Concen: 78.453 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032454.D
 Acq: 30 Jan 2018 22:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	22.2	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

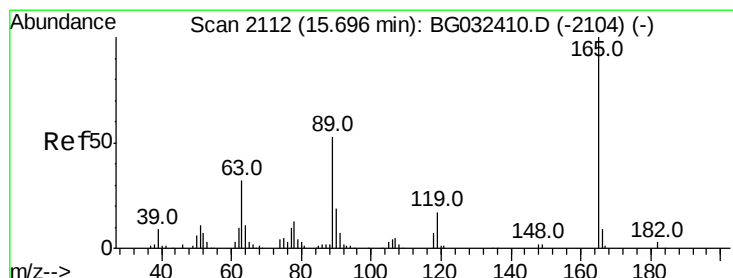
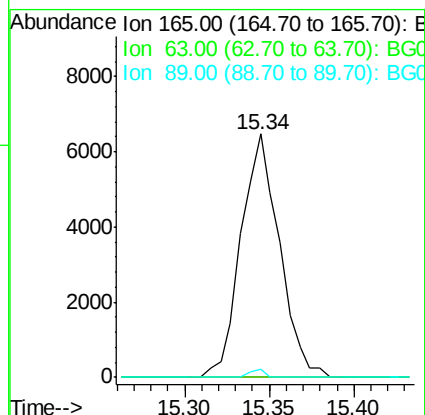
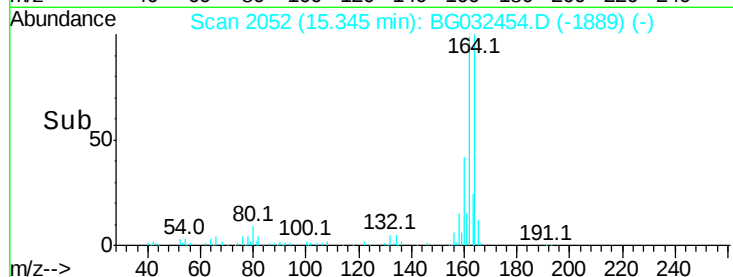
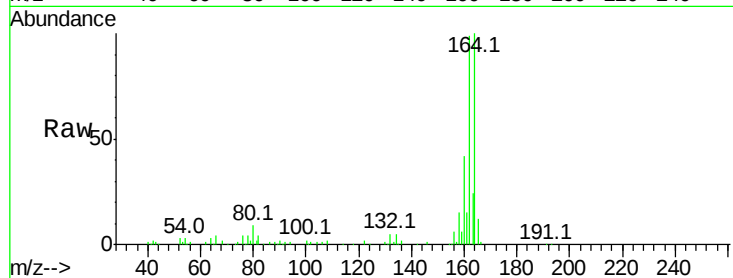




#50
2,6-Dinitrotoluene
Concen: 6.300 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

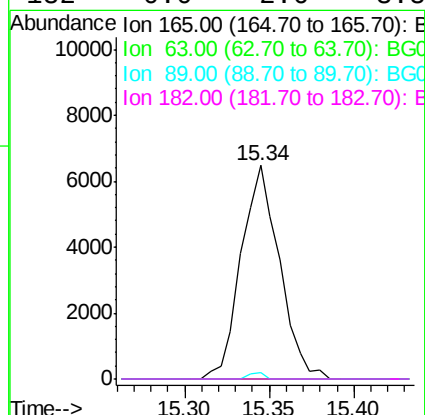
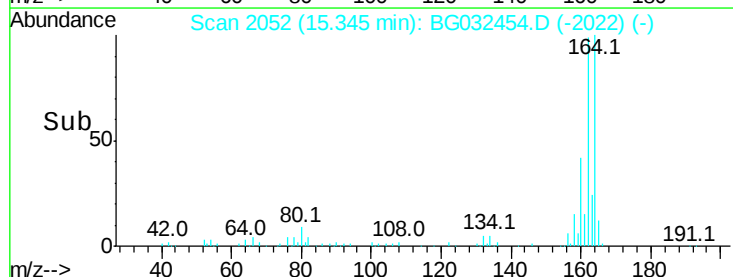
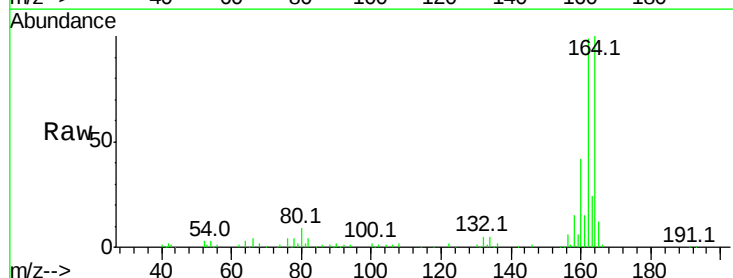
Instrument :
BNA_G
ClientSampleId :

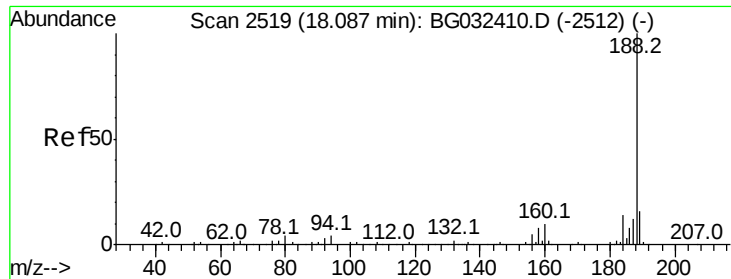
Tot Ion:165 Resp: 10244
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.3 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.425 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

Tgt Ion:165 Resp: 10244
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.3 66.9 100.3#
182 0.0 2.6 3.8#

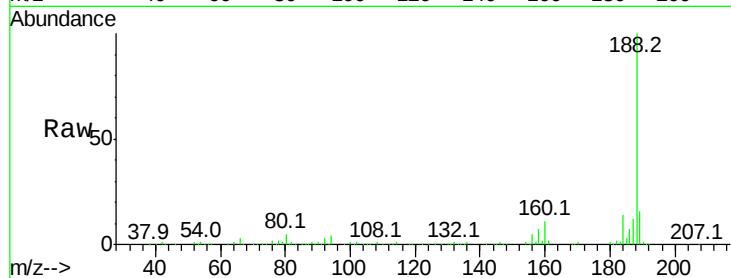




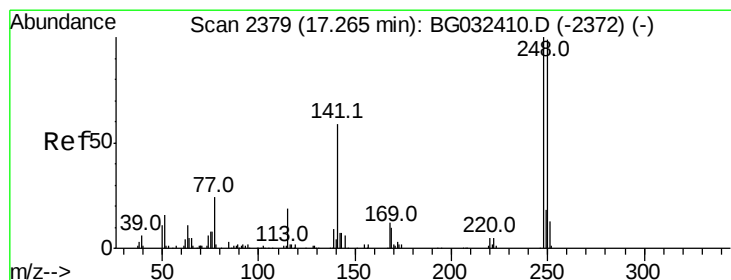
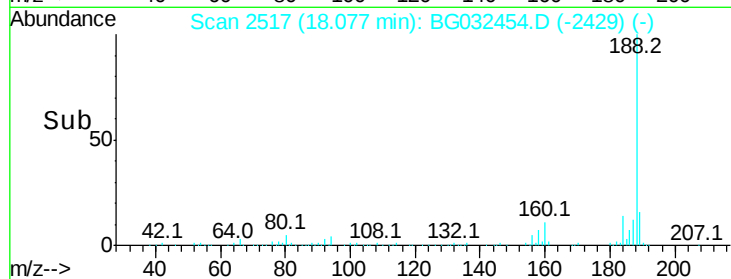
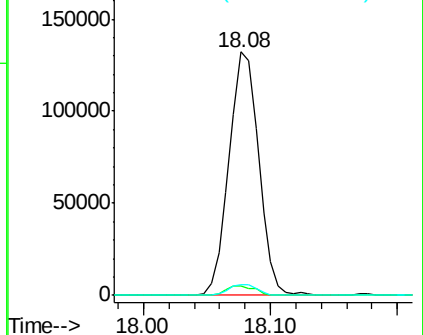
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 214677
Ion Ratio Lower Upper
188 100
94 4.0 6.9 10.3#
80 4.5 7.7 11.5#

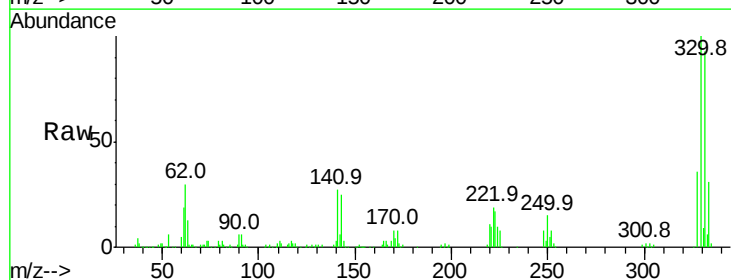


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

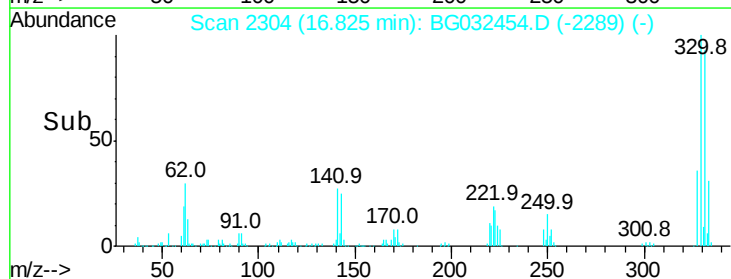
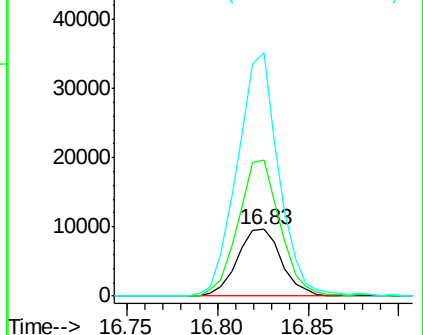


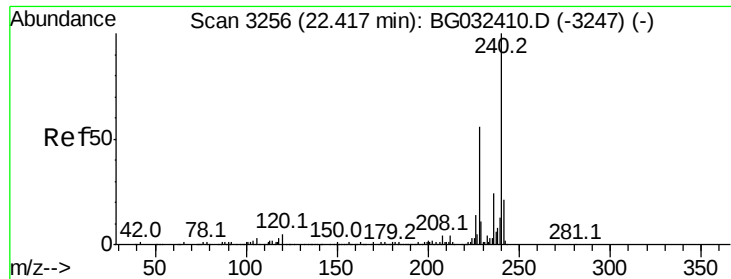
#66
4-Bromophenyl-phenylether
Concen: 5.157 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032454.D
Acq: 30 Jan 2018 22:53

Tgt Ion:248 Resp: 16400
Ion Ratio Lower Upper
248 100
250 203.0 77.1 115.7#
141 364.3 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: BG032454.D

Acq: 30 Jan 2018 22:53

Instrument :

BNA_G

ClientSampleId :

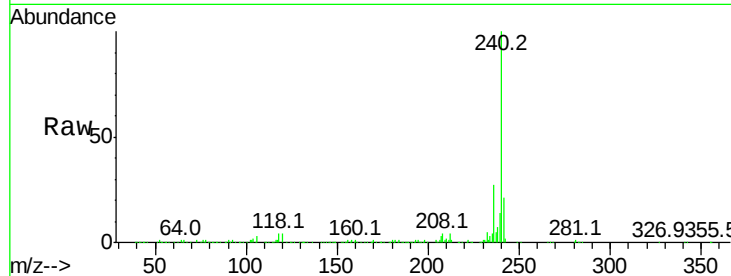
Tot Ion:240 Resp: 257917

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

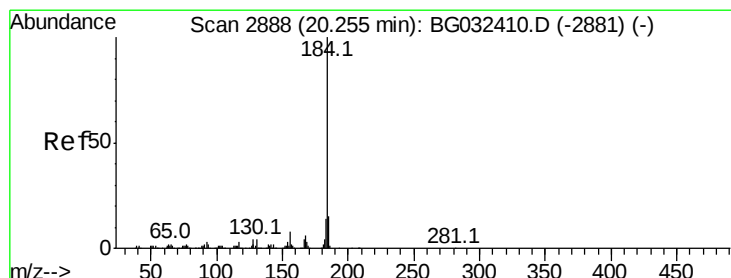
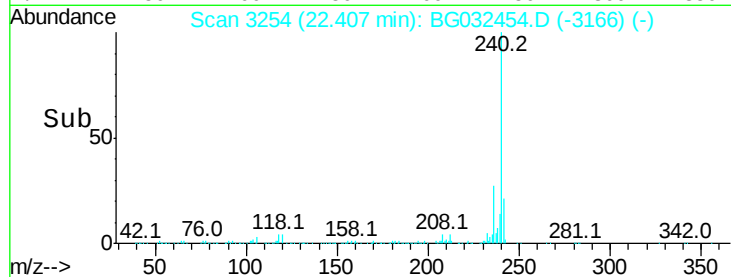
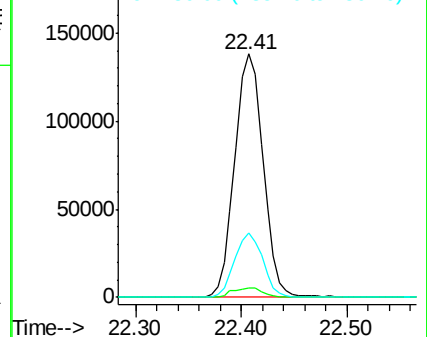
236 26.5 20.9 31.3



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: 2.968 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

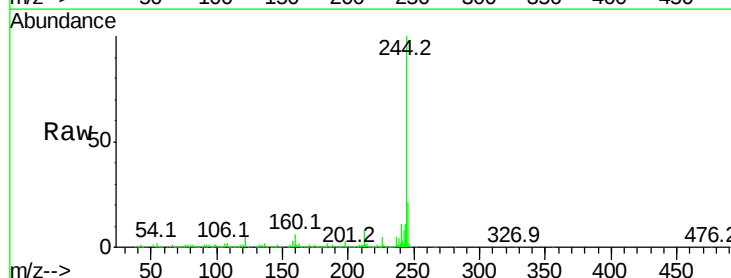
Tgt Ion:184 Resp: 15032

Ion Ratio Lower Upper

184 100

185 18.2 11.1 16.7#

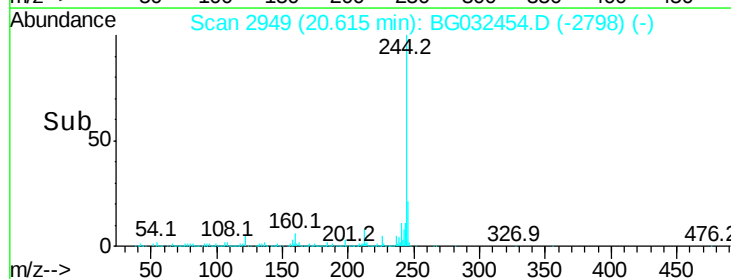
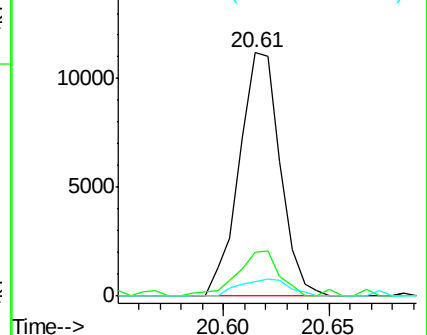
183 6.1 10.6 16.0#

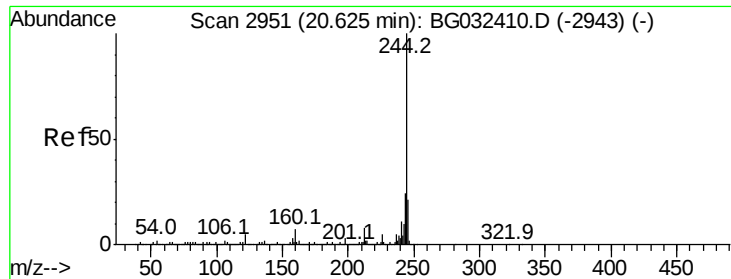


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 84.551 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

Instrument :

BNA_G

ClientSampleId :

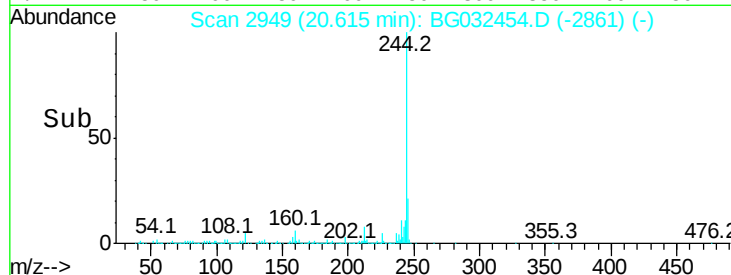
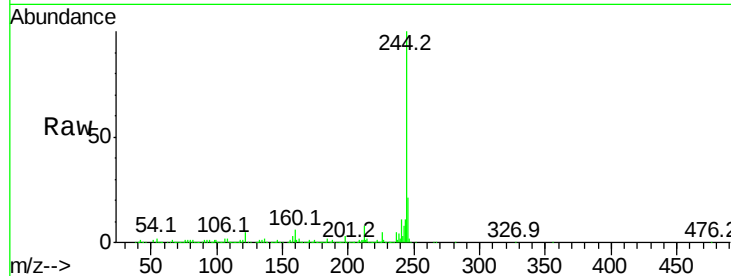
Tot Ion:244 Resp: 1018040

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

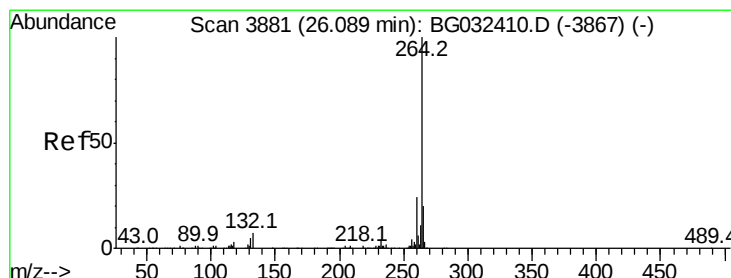
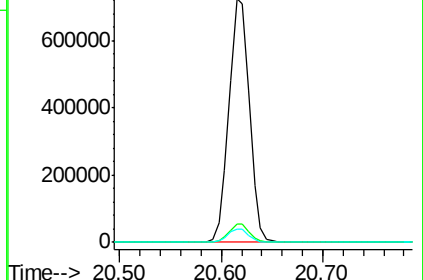
122 5.3 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3880

Delta R.T. -0.00 min

Lab File: BG032454.D

Acq: 30 Jan 2018 22:53

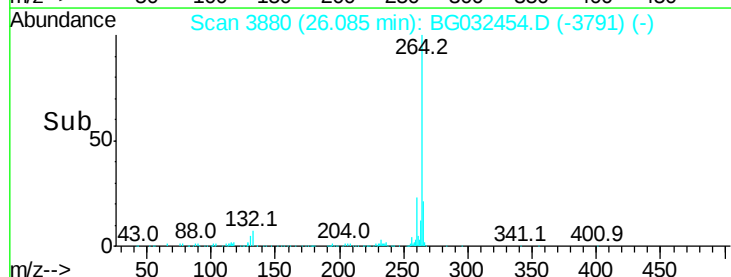
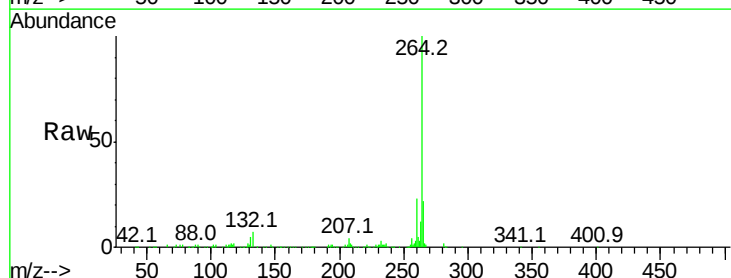
Tgt Ion:264 Resp: 285811

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.6 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

