

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032522.D
 Acq On : 2 Feb 2018 21:24
 Operator : SJ/JU
 Sample : PB106268BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 23:47:16 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

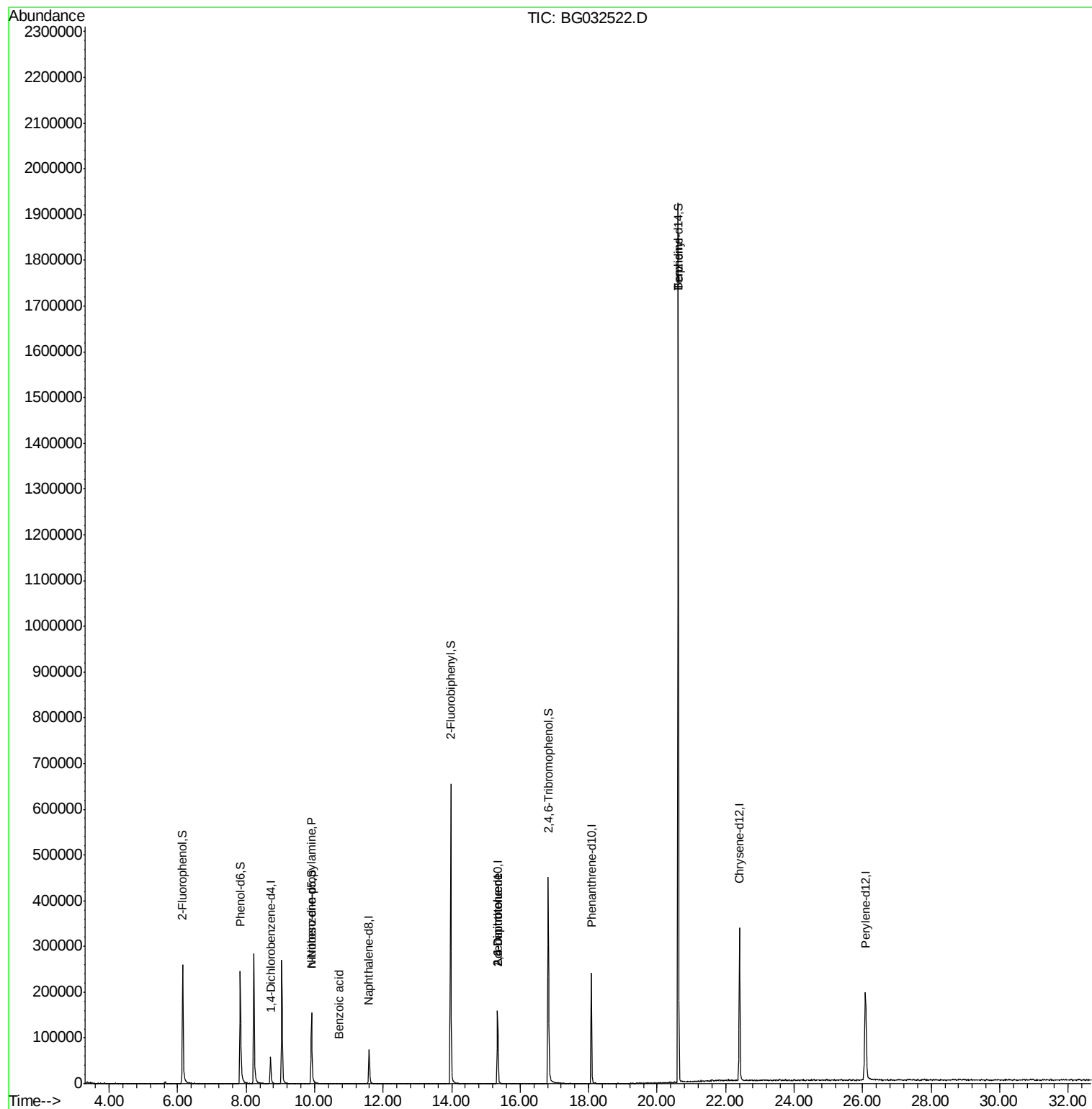
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	22736	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	91804	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	66765	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	190552	20.00	ng	0.00
75) Chrysene-d12	22.40	240	271493	20.00	ng	-0.01
86) Perylene-d12	26.08	264	287016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	143546	126.81	ng	0.00
7) Phenol-d6	7.83	99	179546	118.87	ng	0.00
23) Nitrobenzene-d5	9.91	82	111921	76.15	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	124164	97.70	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	425131	75.68	ng	-0.01
78) Terphenyl-d14	20.62	244	1051986	83.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	15993	15.969	ng	# 81
32) Benzoic acid	10.72	122	62	7.341	ng	# 1
50) 2,6-Dinitrotoluene	15.34	165	8245	6.381	ng	# 23
56) 2,4-Dinitrotoluene	15.34	165	8245	4.482	ng	# 20
76) Benzidine	20.62	184	15790	2.962	ng	# 88

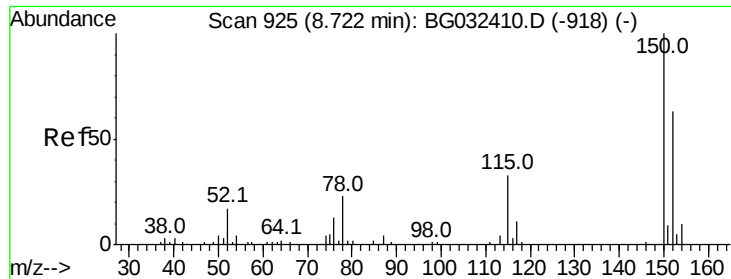
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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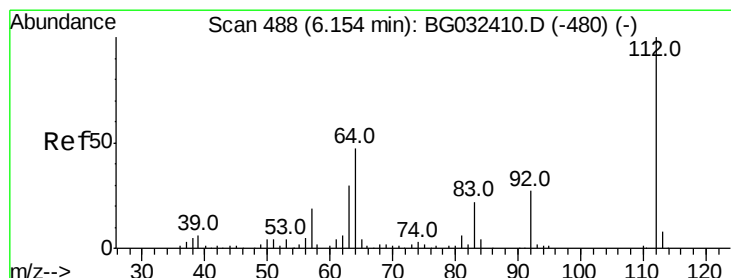
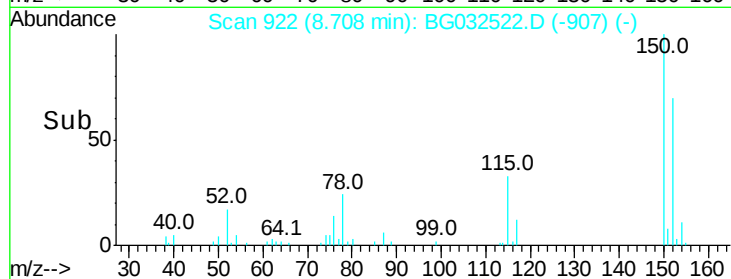
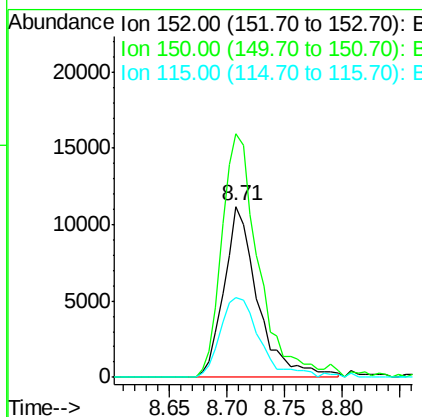
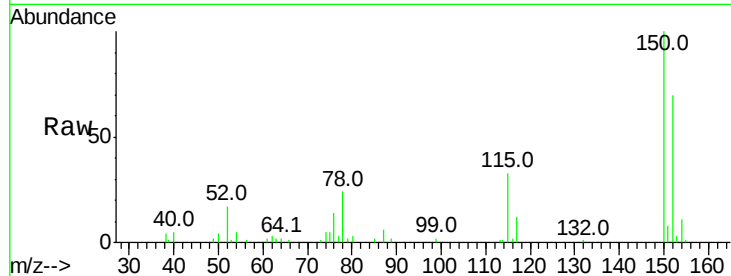


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BG032522.D
 Acq: 2 Feb 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :

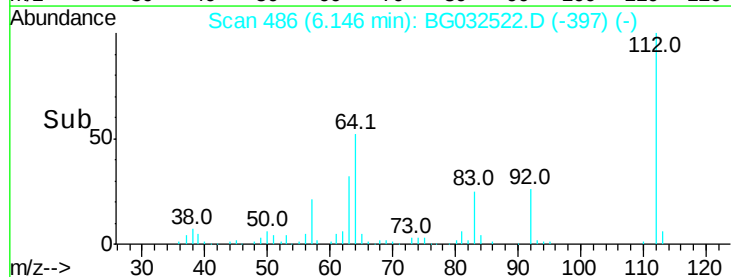
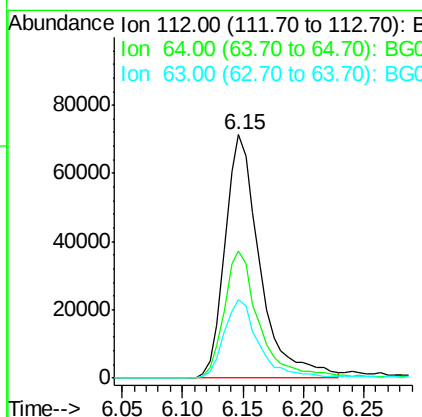
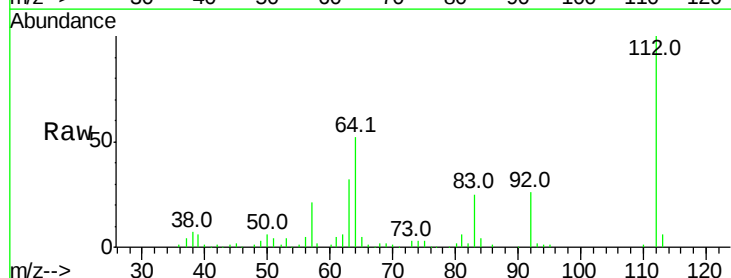
Tot Ion:152 Resp: 22736
 Ion Ratio Lower Upper
 152 100
 150 142.4 126.6 189.8
 115 46.9 53.0 79.4#

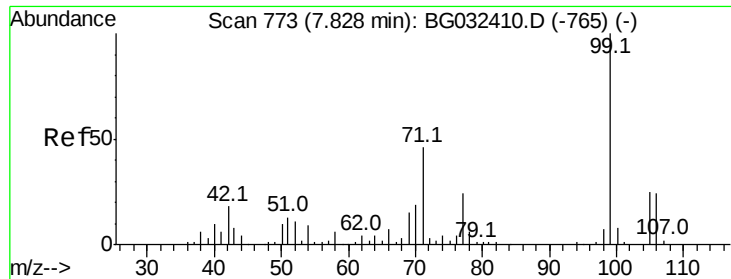


#5

2-Fluorophenol
 Concen: 126.812 ng
 RT: 6.15 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BG032522.D
 Acq: 2 Feb 2018 21:24

Tgt Ion:112 Resp: 143546
 Ion Ratio Lower Upper
 112 100
 64 52.3 56.3 84.5#
 63 32.3 30.1 45.1





#7

Phenol-d6

Concen: 118.865 ng

RT: 7.83 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

Instrument :

BNA_G

ClientSampleId :

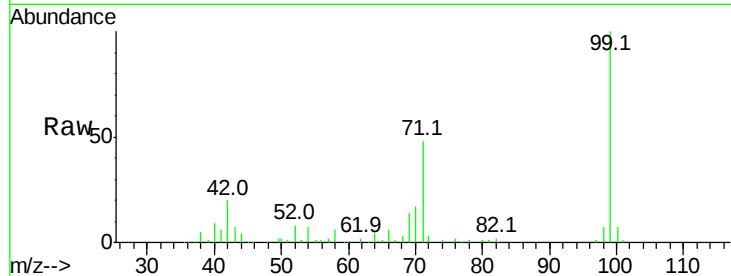
Tot Ion: 99 Resp: 179546

Ion Ratio Lower Upper

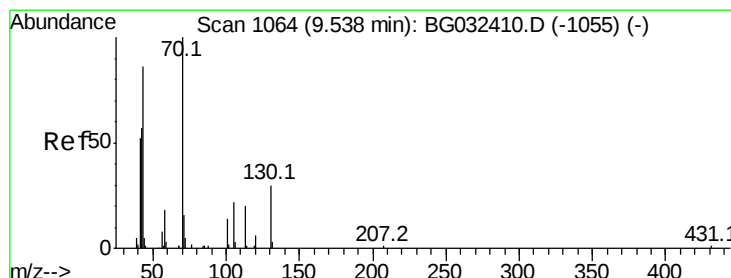
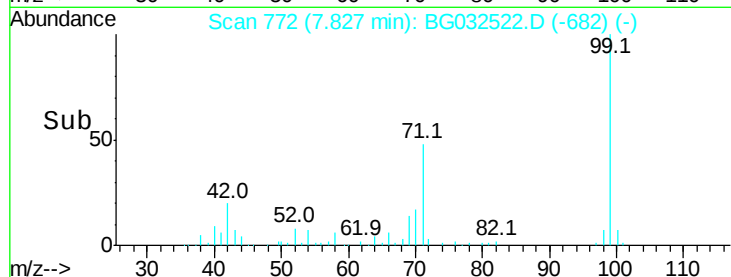
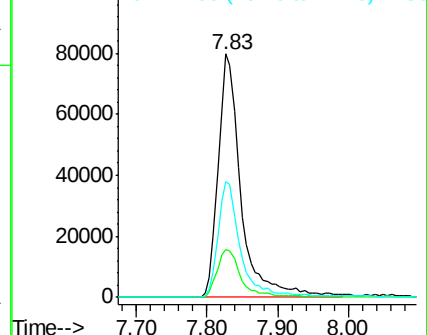
99 100

42 19.6 14.1 21.1

71 47.6 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: 15.969 ng

RT: 9.91 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

Tgt Ion: 70 Resp: 15993

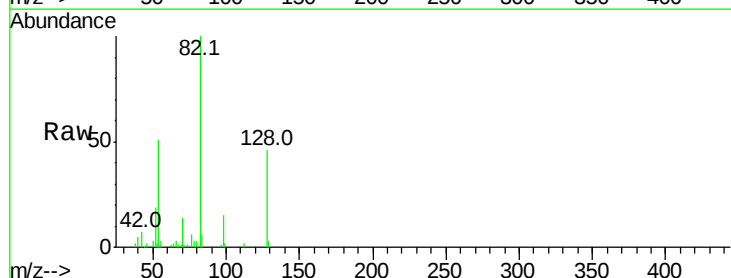
Ion Ratio Lower Upper

70 100

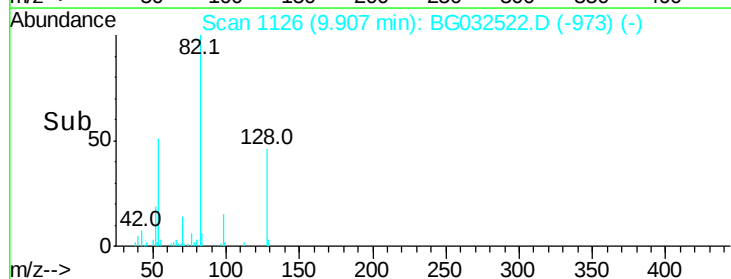
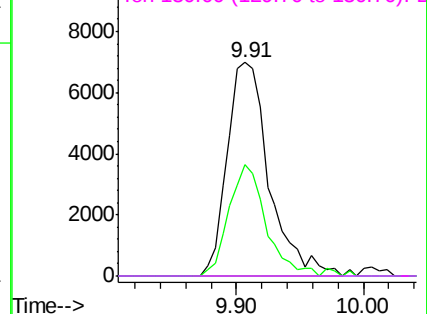
42 52.2 49.1 73.7

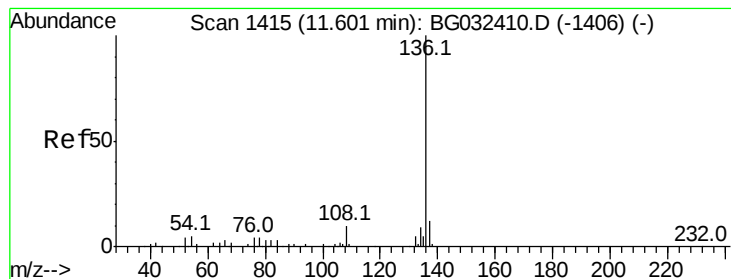
101 0.0 8.5 12.7#

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# 1412

Delta R.T. -0.01 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 91804

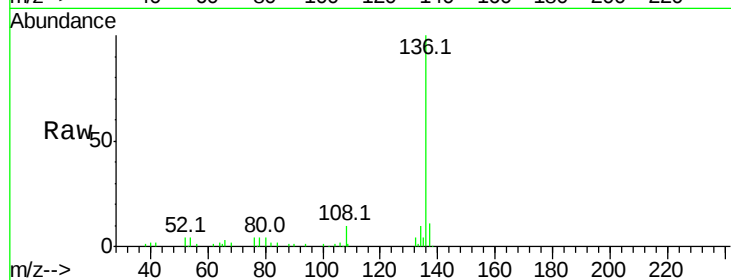
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 4.1 10.3 15.5#

68 2.2 4.5 6.7#

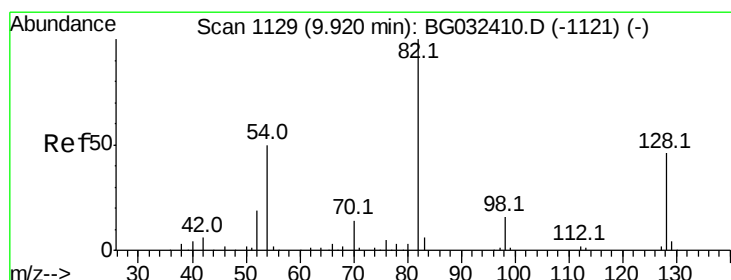
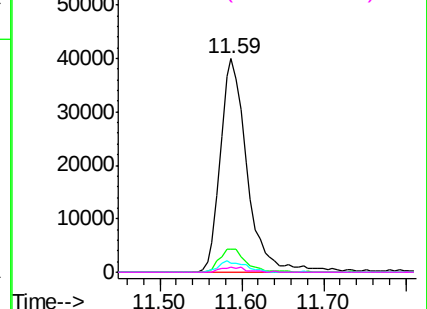
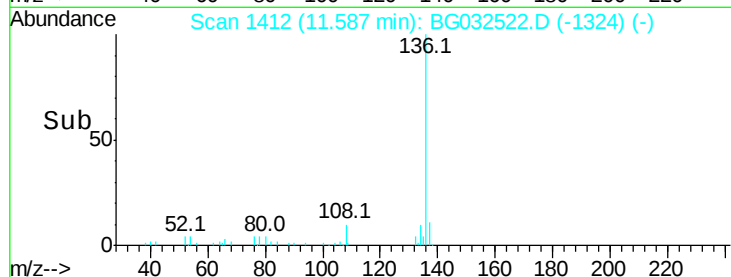


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.147 ng

RT: 9.91 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

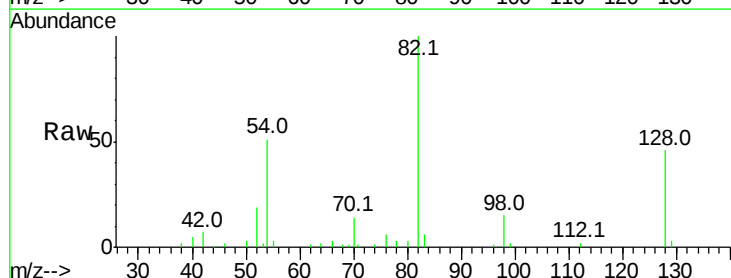
Tgt Ion: 82 Resp: 111921

Ion Ratio Lower Upper

82 100

128 46.4 29.7 44.5#

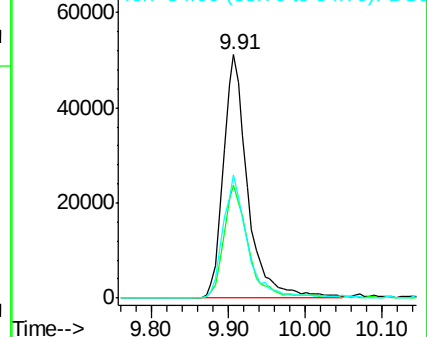
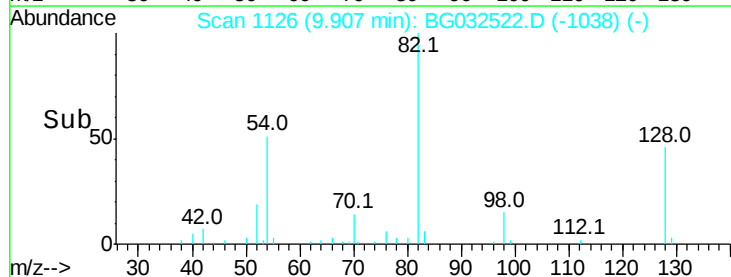
54 50.6 43.1 64.7

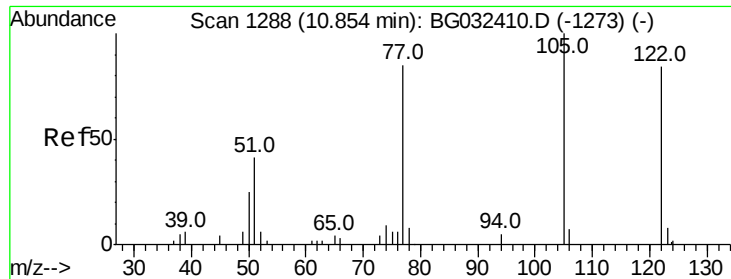


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

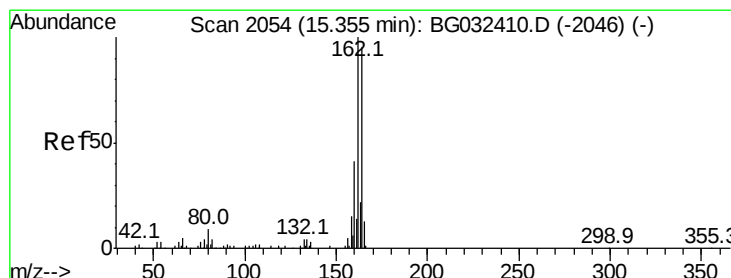
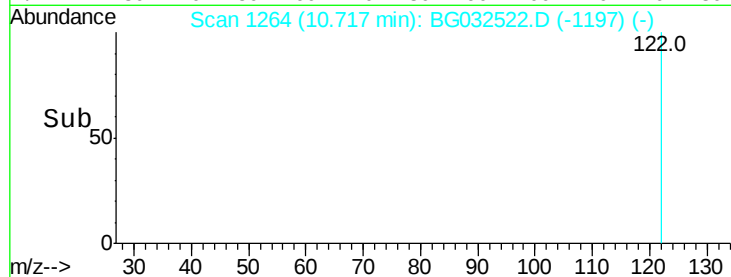
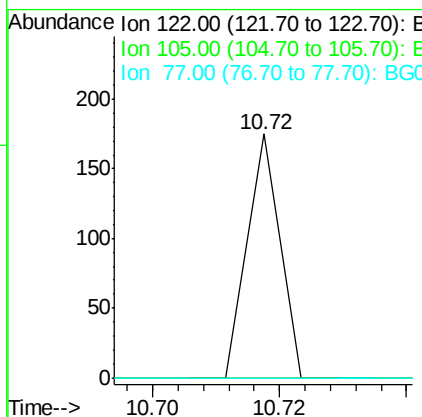
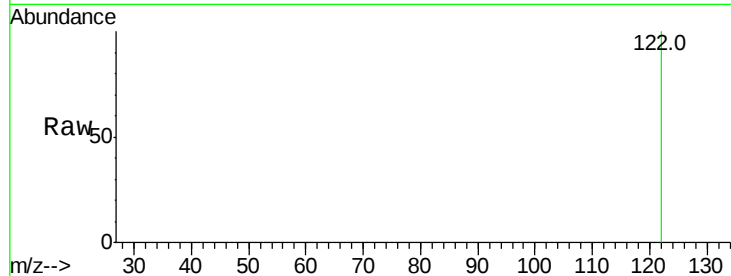




#32
Benzoic acid
Concen: 7.341 ng
RT: 10.72 min Scan# 1264
Delta R.T. -0.14 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

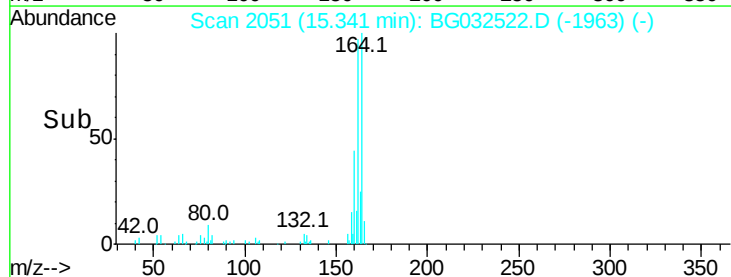
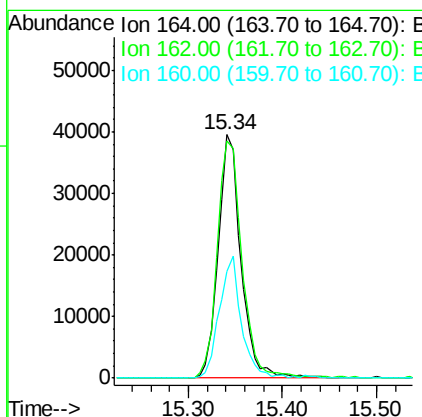
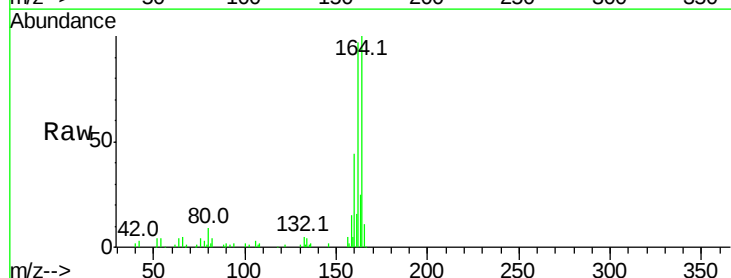
Instrument :
BNA_G
ClientSampleId :

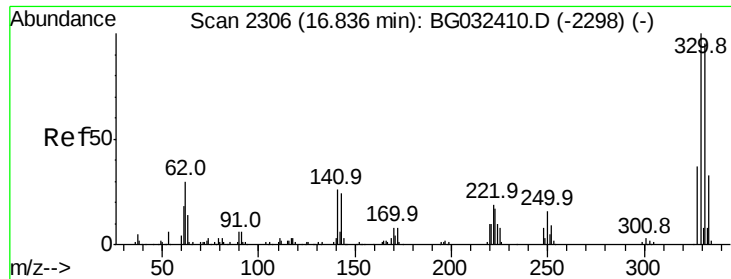
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	78.8	118.2
160	43.6	35.4	53.0

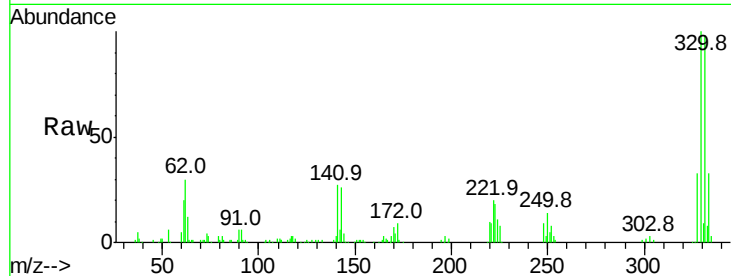




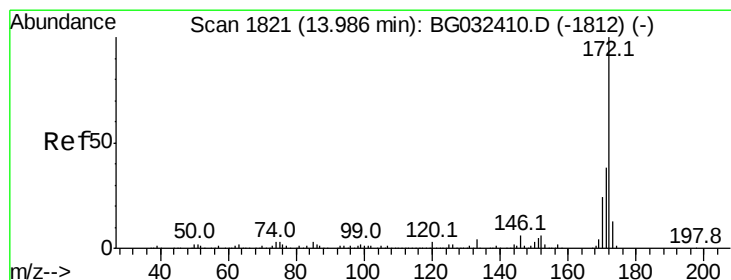
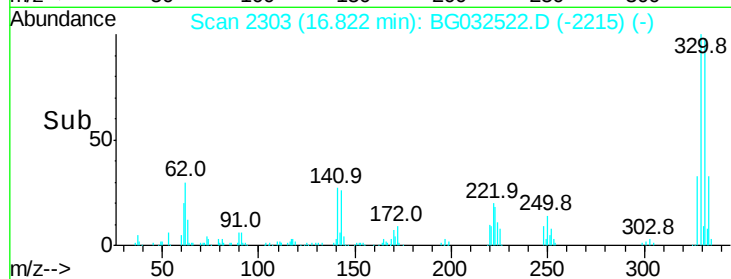
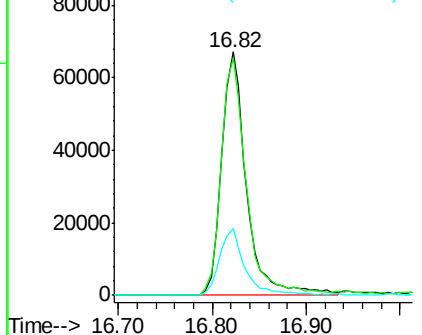
#41
 2,4,6-Tribromophenol
 Concen: 97.700 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: BG032522.D
 Acq: 2 Feb 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	27.9	25.2	37.8

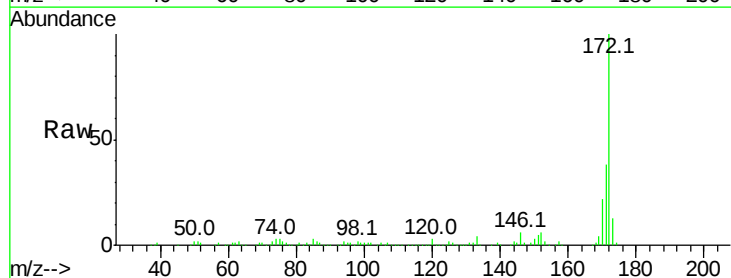


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

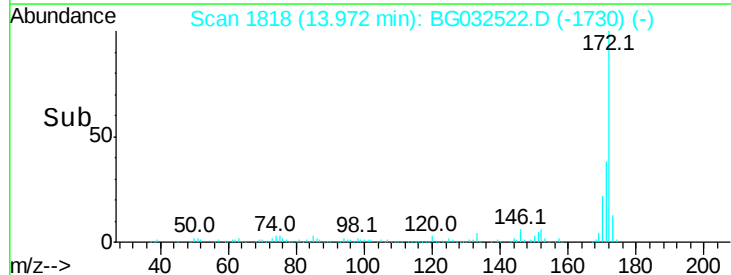
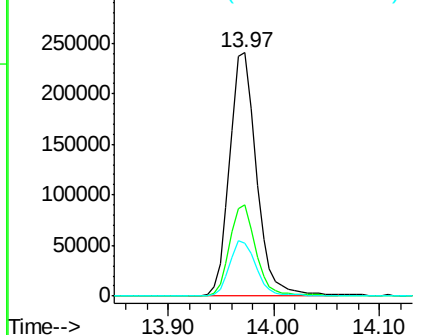


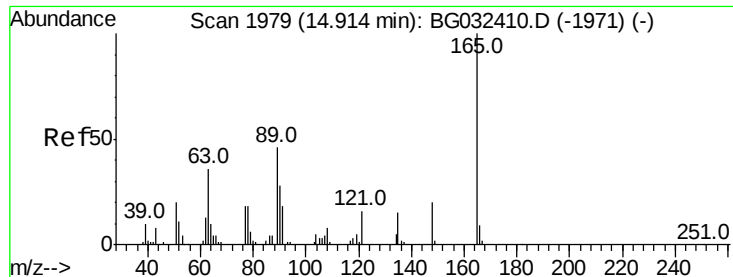
#44
 2-Fluorobiphenyl
 Concen: 75.683 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG032522.D
 Acq: 2 Feb 2018 21:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	21.6	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

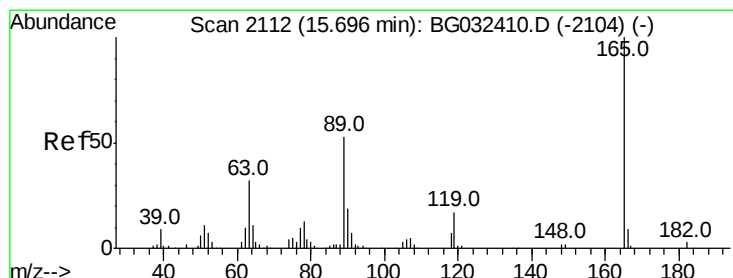
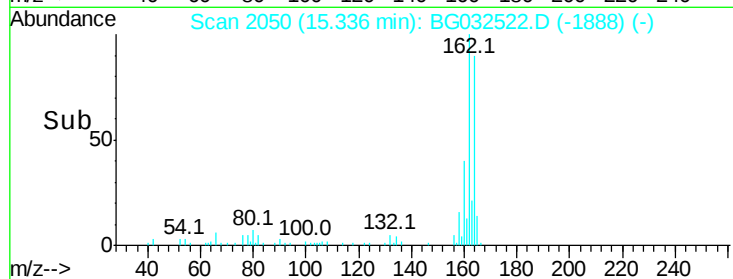
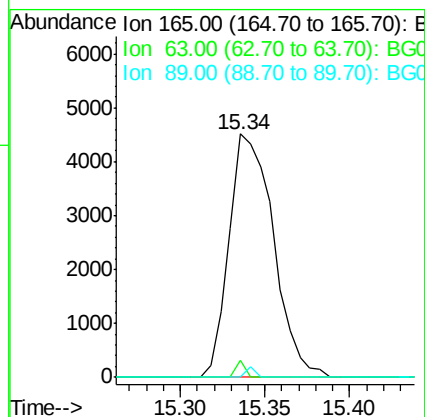
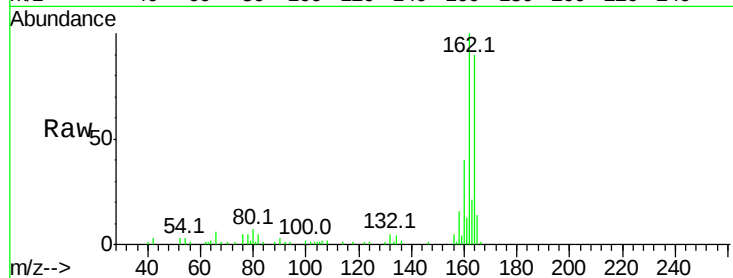




#50
2,6-Dinitrotoluene
Concen: 6.381 ng
RT: 15.34 min Scan# 2050
Delta R.T. 0.42 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

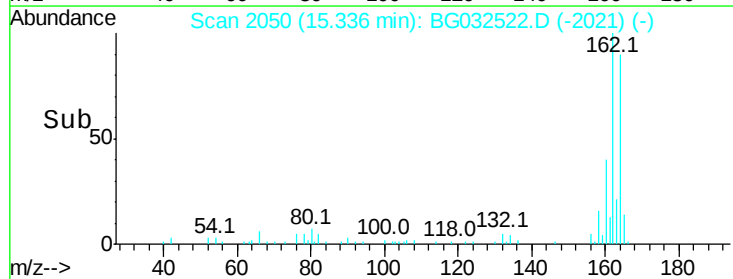
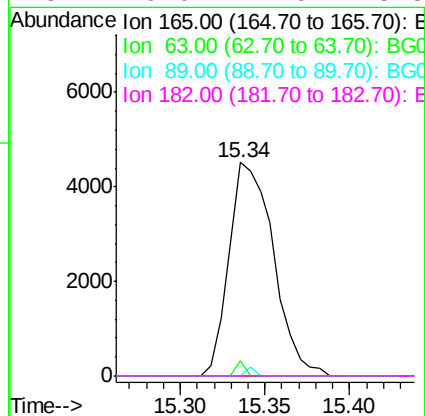
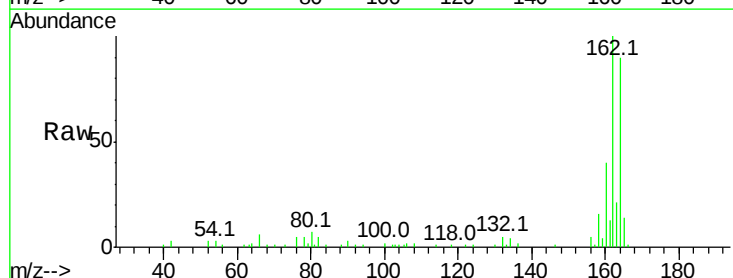
Instrument :
BNA_G
ClientSampleId :

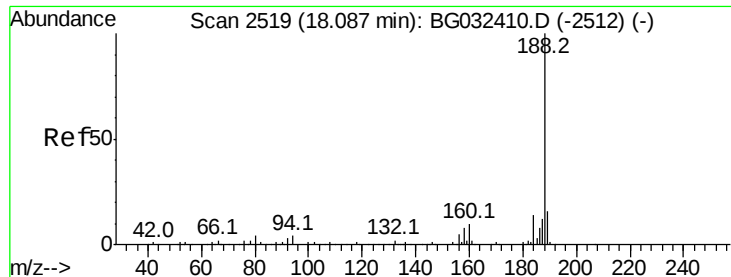
Tot Ion	Ratio	Lower	Upper
165	100		
63	6.9	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.482 ng
RT: 15.34 min Scan# 2050
Delta R.T. -0.36 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	6.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

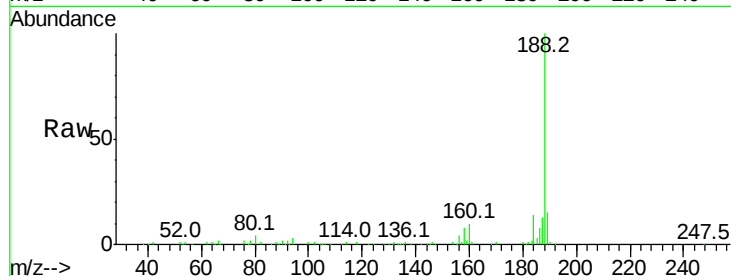




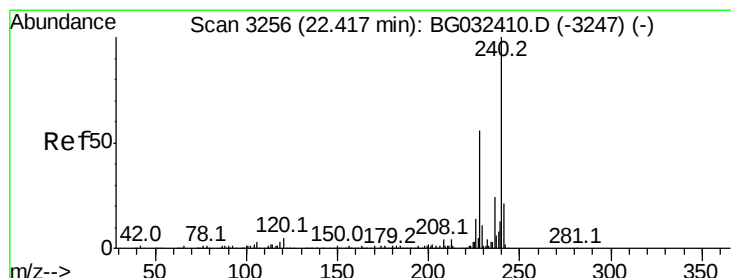
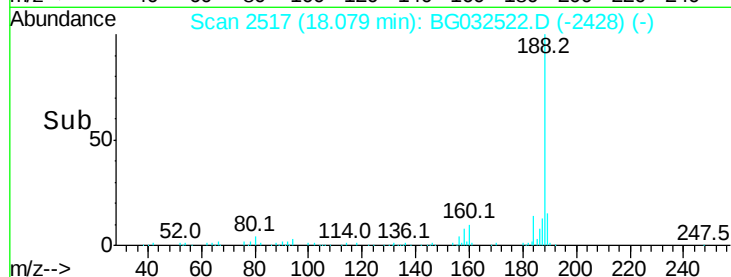
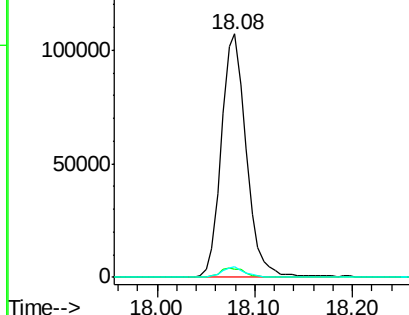
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 190552
Ion Ratio Lower Upper
188 100
94 3.3 6.9 10.3#
80 4.2 7.7 11.5#

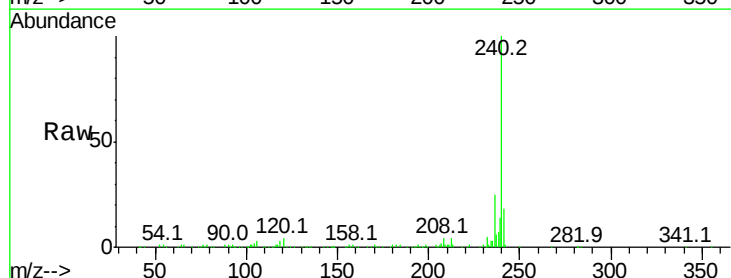


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

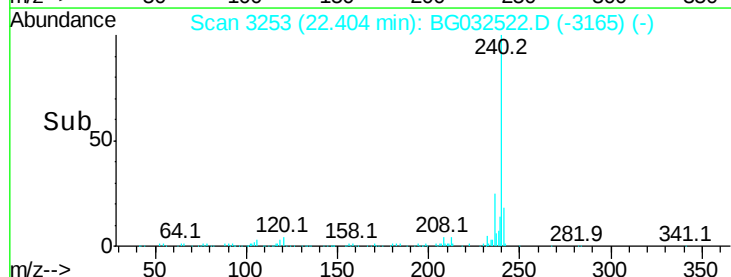
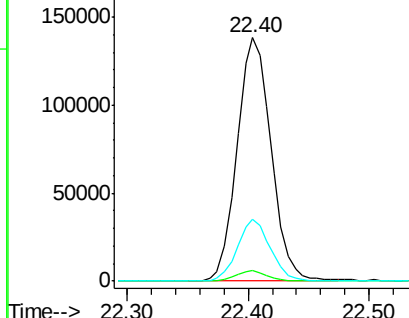


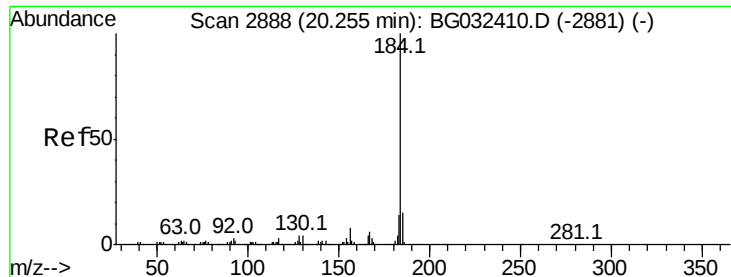
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

Tgt Ion:240 Resp: 271493
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 25.3 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: 2.962 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

Instrument :

BNA_G

ClientSampleId :

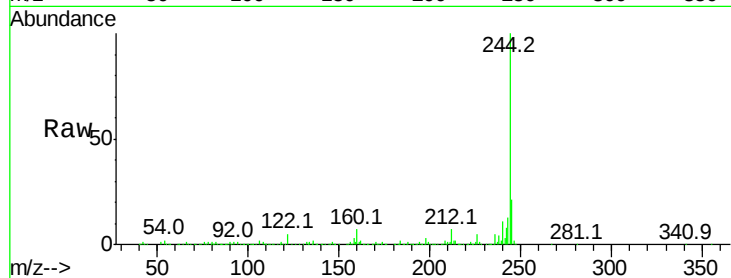
Tot Ion:184 Resp: 15790

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

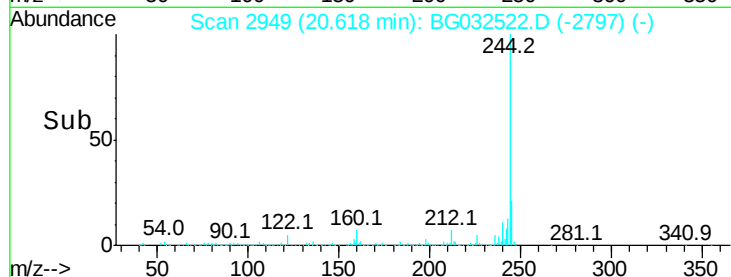
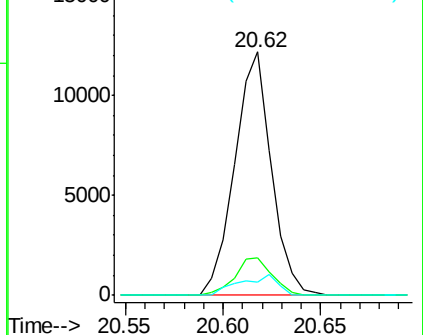
183 5.3 10.6 16.0#



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: 83.002 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032522.D

Acq: 2 Feb 2018 21:24

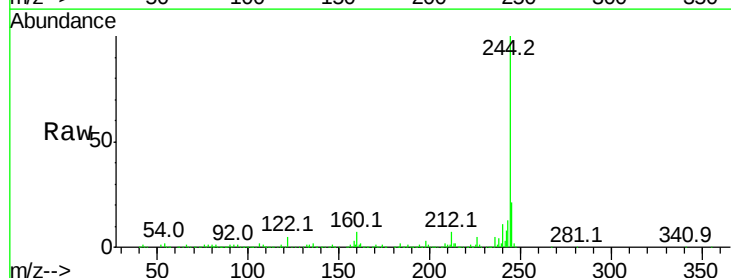
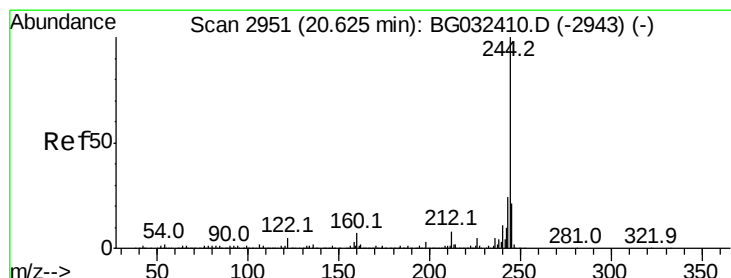
Tgt Ion:244 Resp: 1051986

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

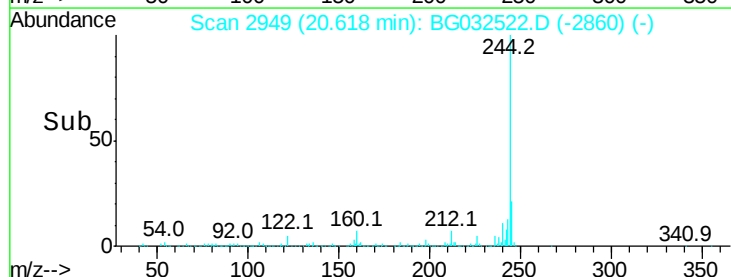
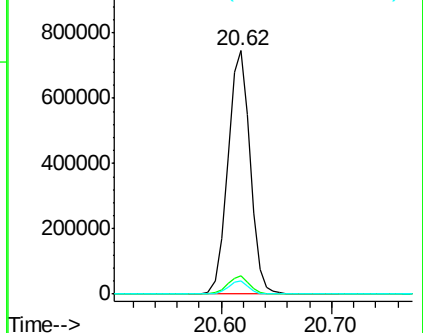
122 5.2 7.0 10.4#

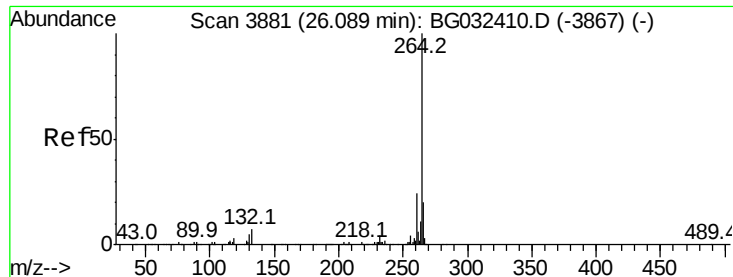


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BG032522.D
Acq: 2 Feb 2018 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	22.7	17.7	26.5

