

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032554.D
 Acq On : 6 Feb 2018 3:47
 Operator : SJ/JU
 Sample : J1444-02
 Misc : MDL8PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 06:22:27 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

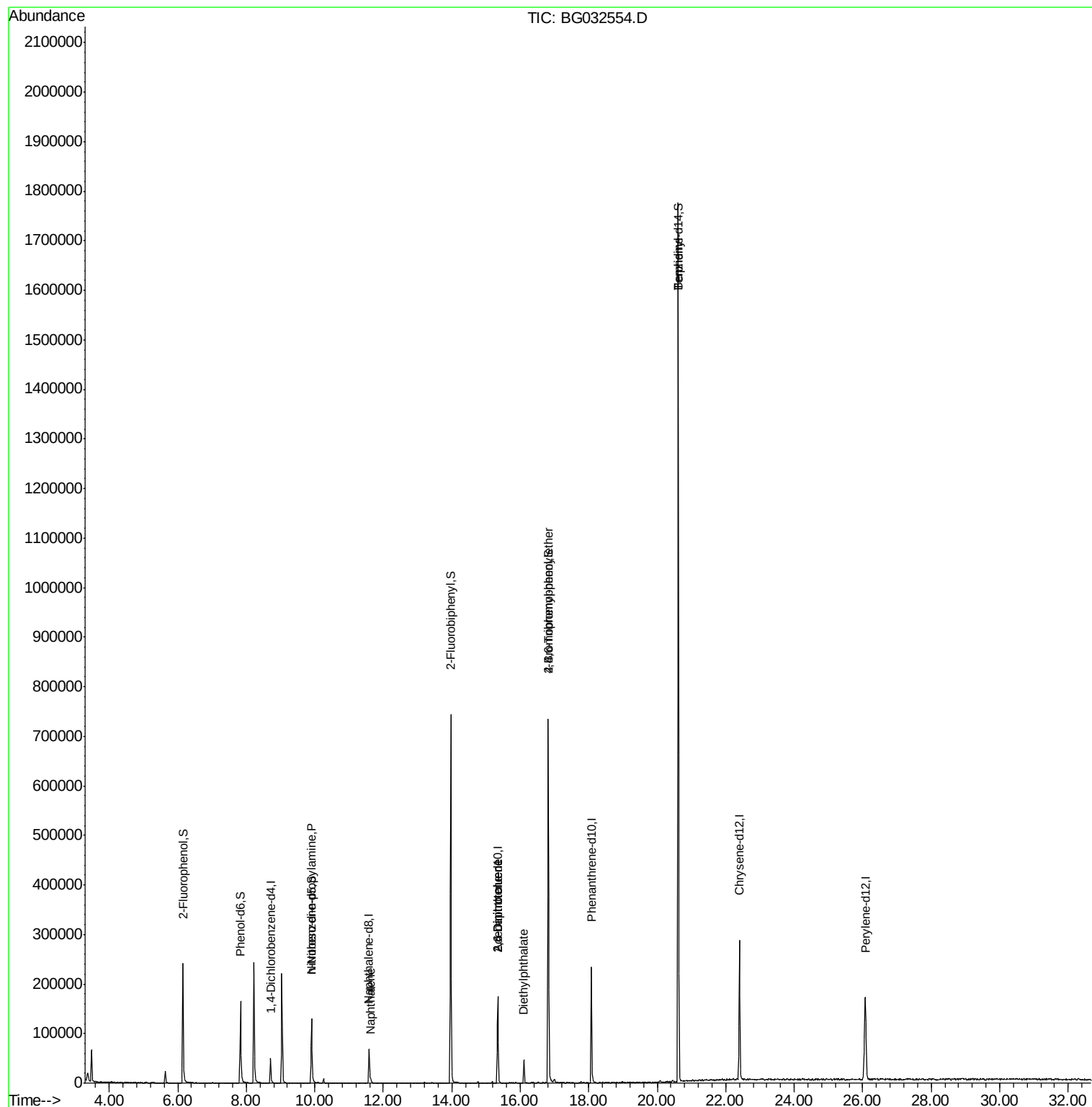
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	18007	20.00	ng	-0.02
21) Naphthalene-d8	11.58	136	74346	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	69172	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	181271	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	218623	20.00	ng	-0.02
86) Perylene-d12	26.07	264	243503	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	134165	149.65	ng	0.00
7) Phenol-d6	7.83	99	118534	99.08	ng	0.00
23) Nitrobenzene-d5	9.90	82	91740	77.07	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	177689	134.95	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	445242	76.50	ng	-0.02
78) Terphenyl-d14	20.61	244	941308	92.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	12744	16.066	ng	Qvalue # 77
31) Naphthalene	11.64	128	8074	2.224	ng	98
50) 2,6-Dinitrotoluene	15.34	165	8276	6.182	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	8276	4.342	ng	# 16
59) Diethylphthalate	16.11	149	28549	4.596	ng	98
66) 4-Bromophenyl-phenylether	16.82	248	13586	5.059	ng	# 1
76) Benzidine	20.61	184	13731	3.199	ng	# 86

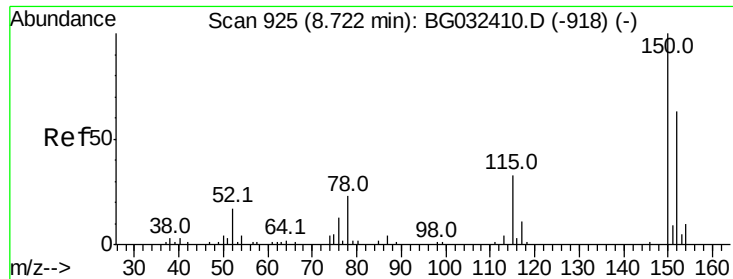
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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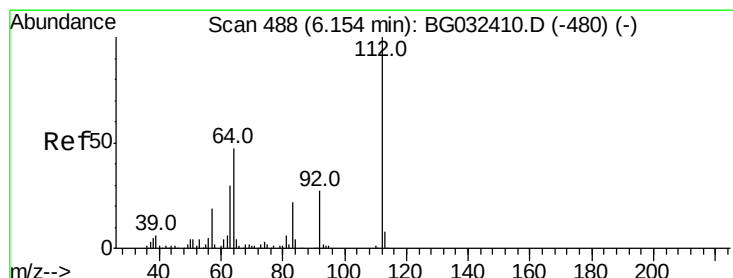
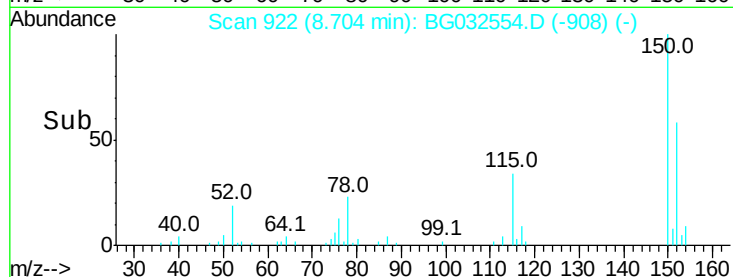
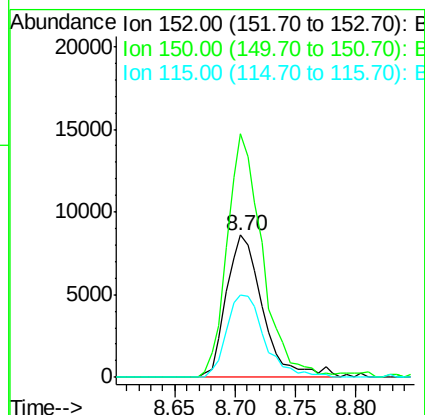
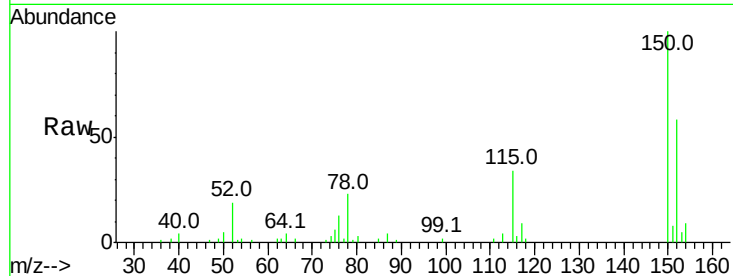


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.70 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032554.D
Acq: 6 Feb 2018 3:47

Instrument :
BNA_G
ClientSampleId :

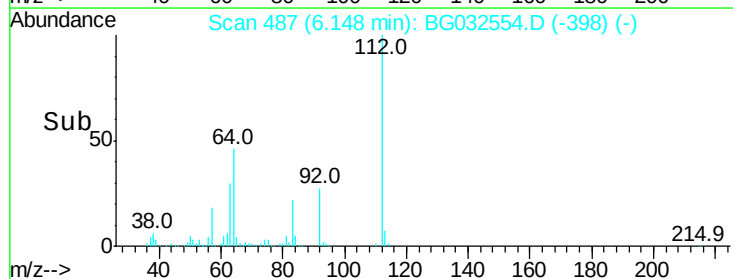
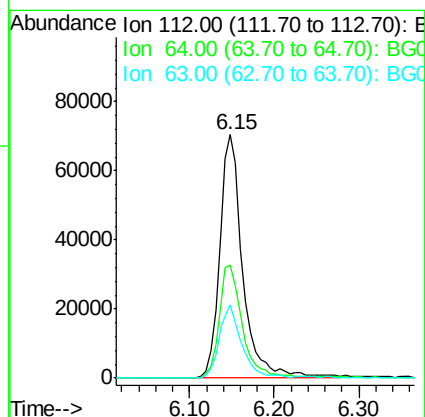
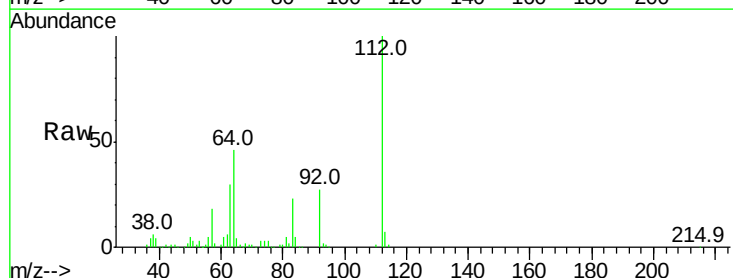
Tot Ion	Ratio	Lower	Upper
152	100		
150	171.6	126.6	189.8
115	57.9	53.0	79.4

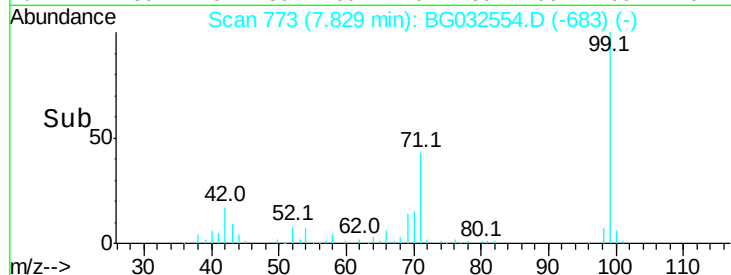
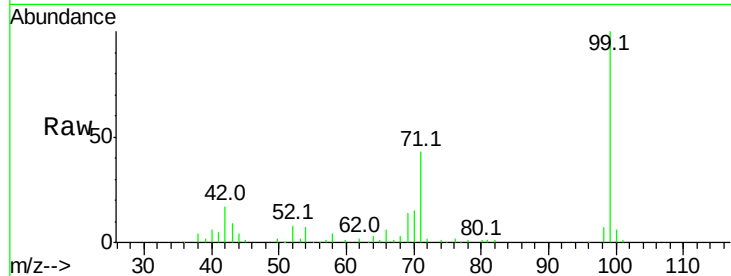
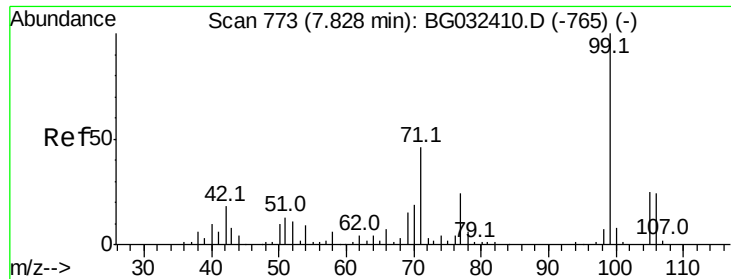


#5

2-Fluorophenol
Concen: 149.652 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG032554.D
Acq: 6 Feb 2018 3:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.2	56.3	84.5#
63	30.0	30.1	45.1#





#7

Phenol-d6

Concen: 99.082 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Instrument :

BNA_G

ClientSampleId :

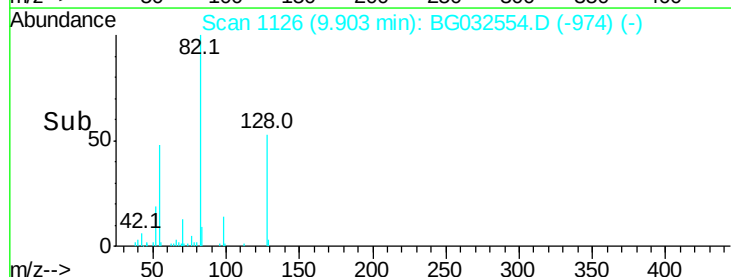
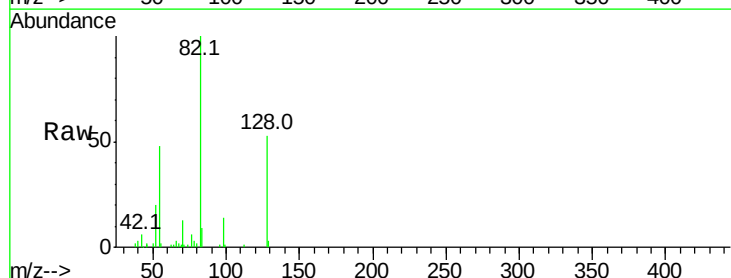
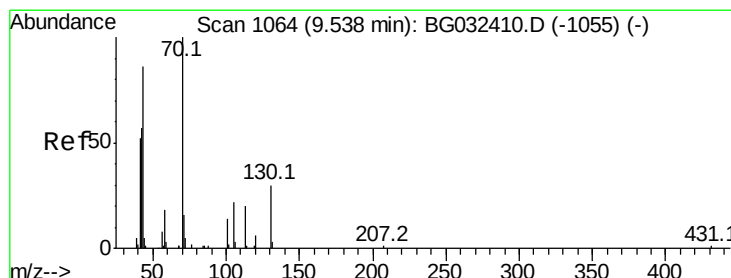
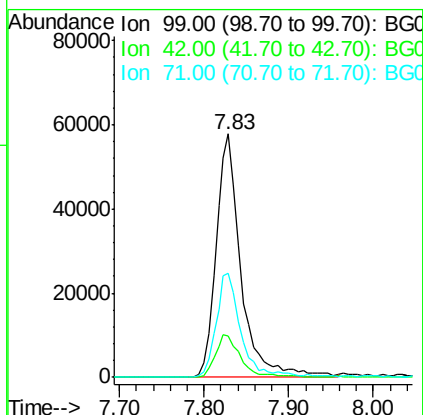
Tot Ion: 99 Resp: 118534

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

71 42.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.066 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.36 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Tgt Ion: 70 Resp: 12744

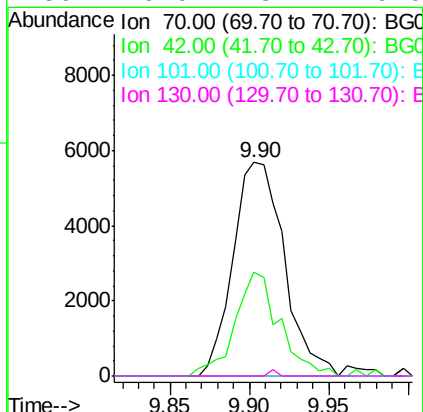
Ion Ratio Lower Upper

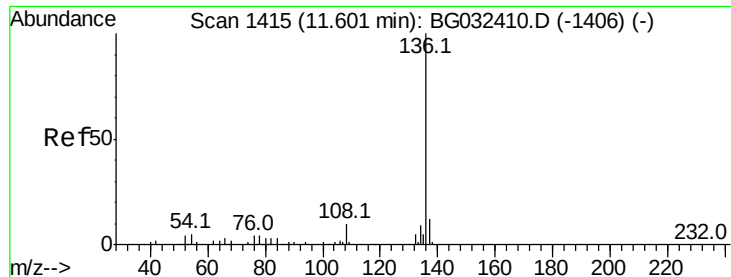
70 100

42 48.3 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.58 min Scan# 1412

Delta R.T. -0.02 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 74346

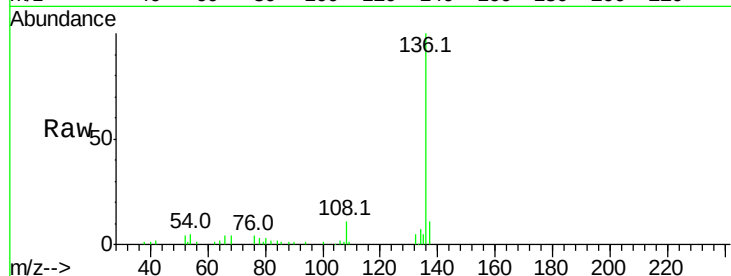
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 5.0 10.3 15.5#

68 4.3 4.5 6.7#

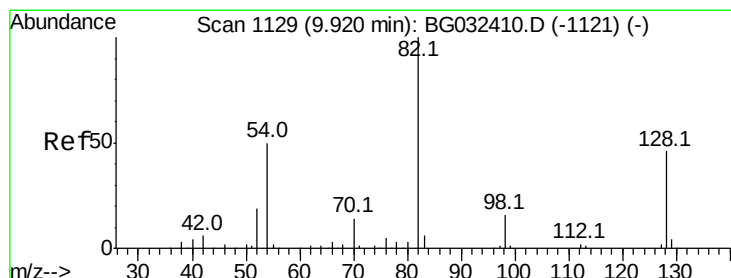
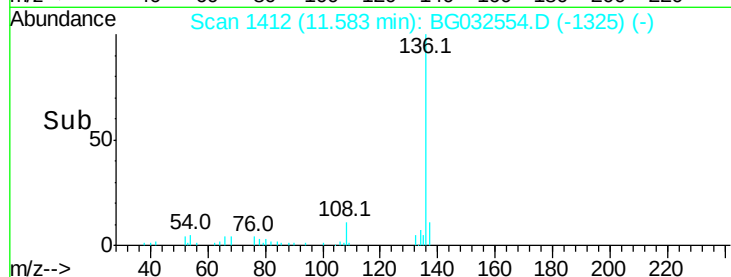
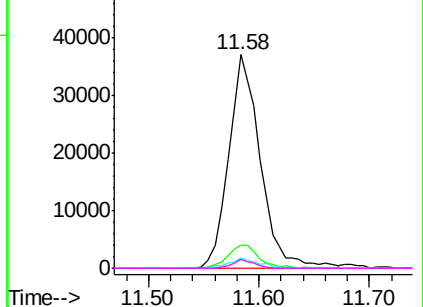


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.074 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

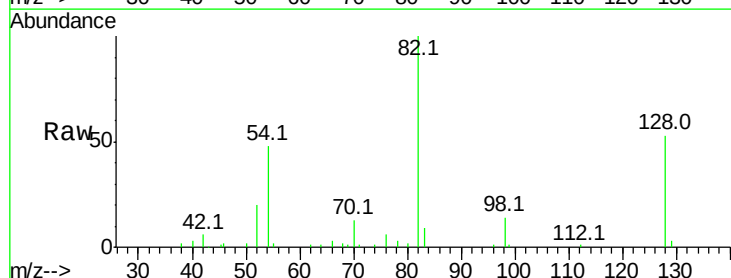
Tgt Ion: 82 Resp: 91740

Ion Ratio Lower Upper

82 100

128 53.2 29.7 44.5#

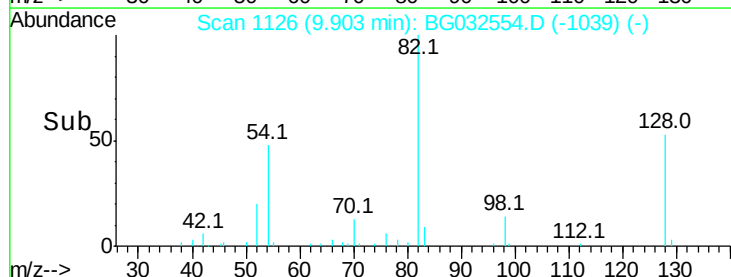
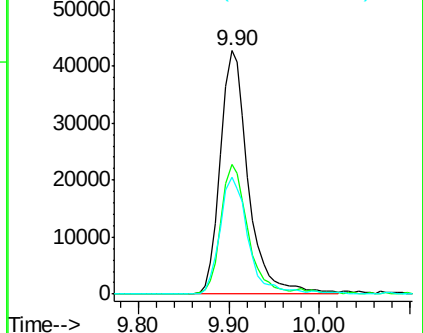
54 48.0 43.1 64.7

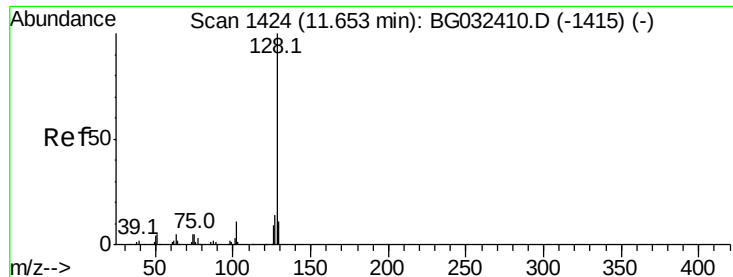


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 2.224 ng

RT: 11.64 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Instrument :

BNA_G

ClientSampleId :

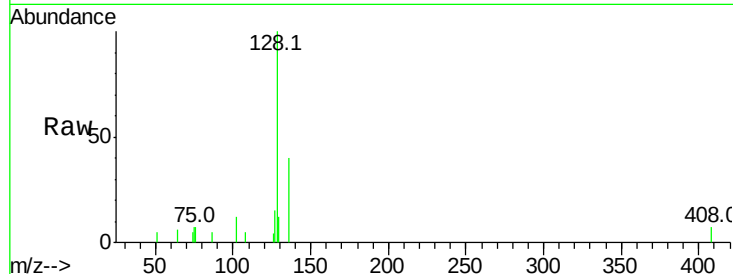
Tot Ion:128 Resp: 8074

Ion Ratio Lower Upper

128 100

129 11.7 8.6 12.8

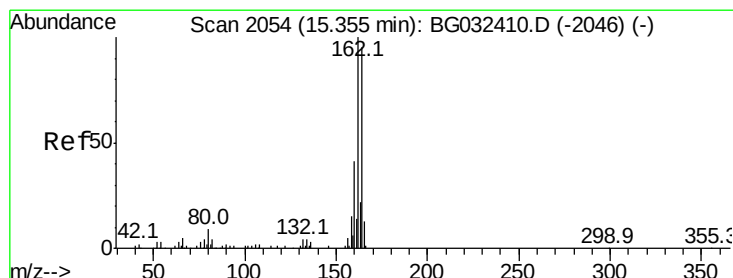
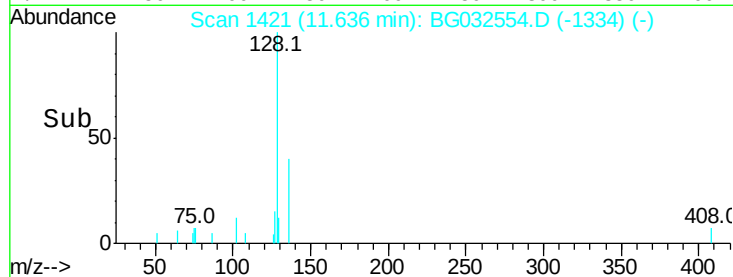
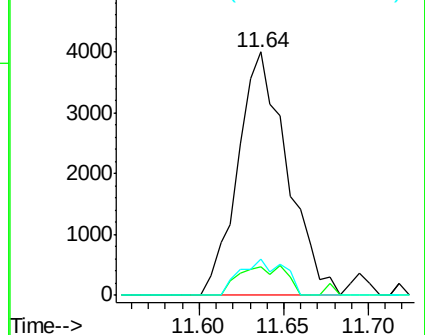
127 15.0 11.6 17.4



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

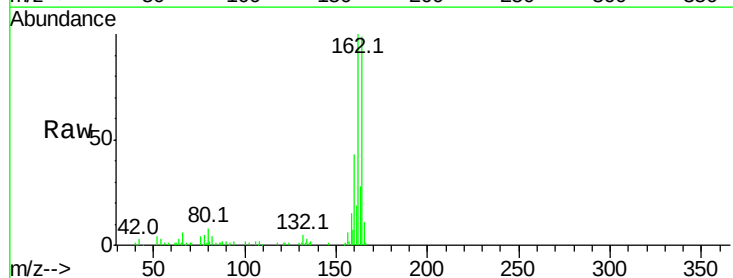
Tgt Ion:164 Resp: 69172

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

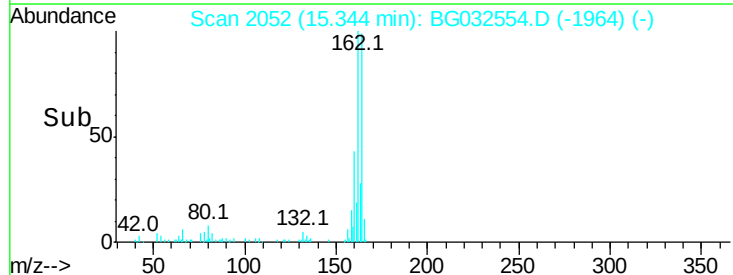
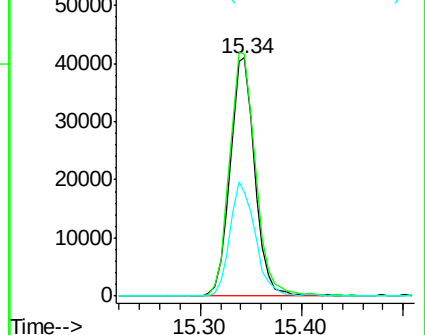
160 43.5 35.4 53.0

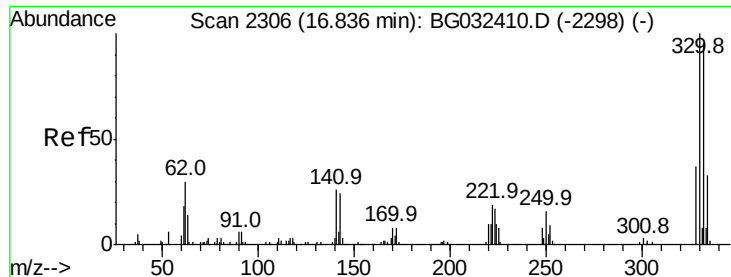


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

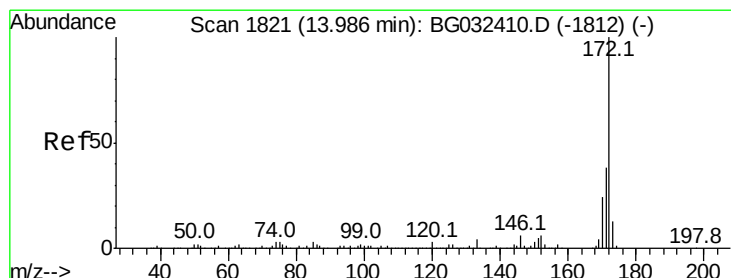
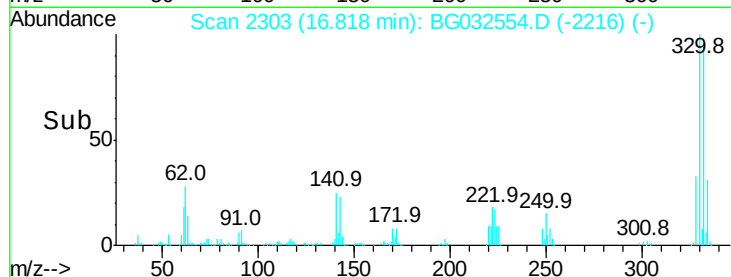
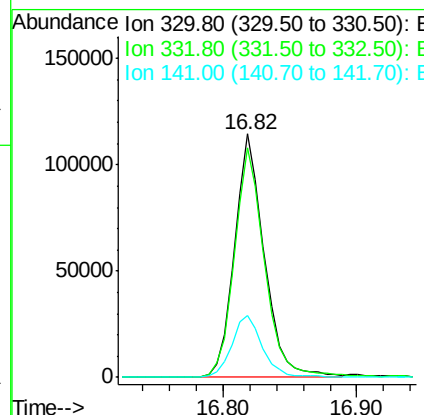
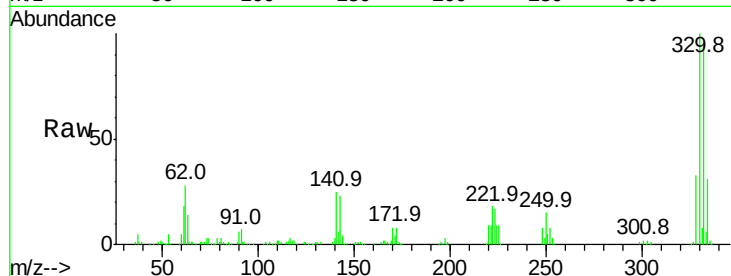




#41
 2,4,6-Tribromophenol
 Concen: 134.951 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032554.D
 Acq: 6 Feb 2018 3:47

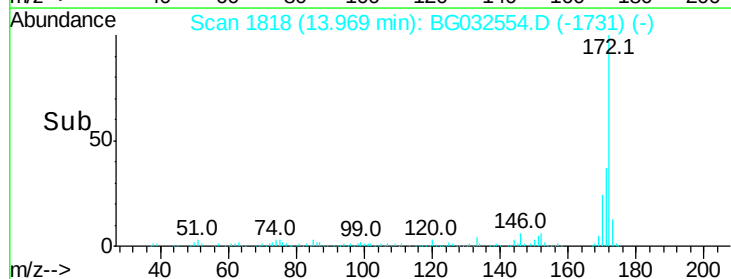
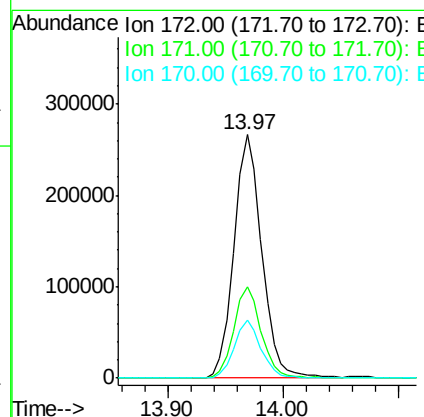
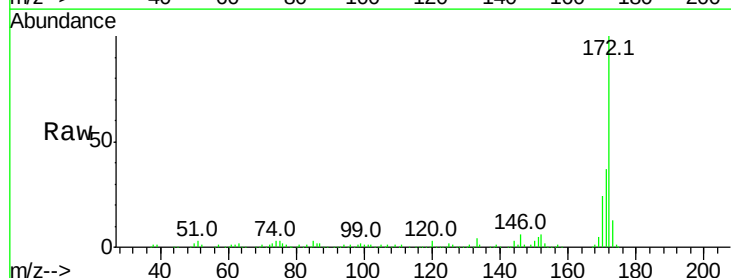
Instrument :
 BNA_G
 ClientSampleId :

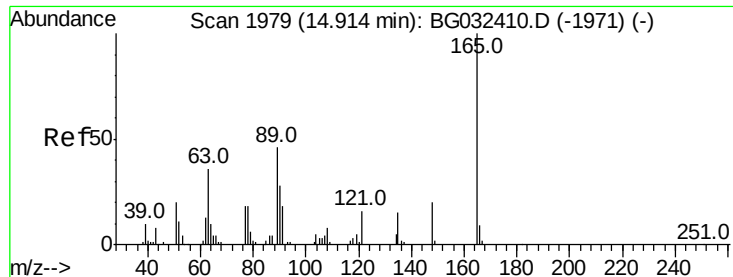
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	26.5	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 76.505 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032554.D
 Acq: 6 Feb 2018 3:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.7	19.5	29.3

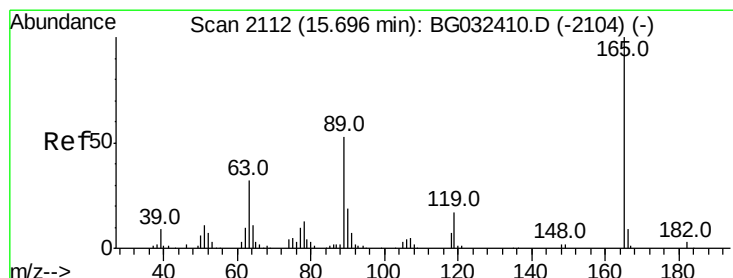
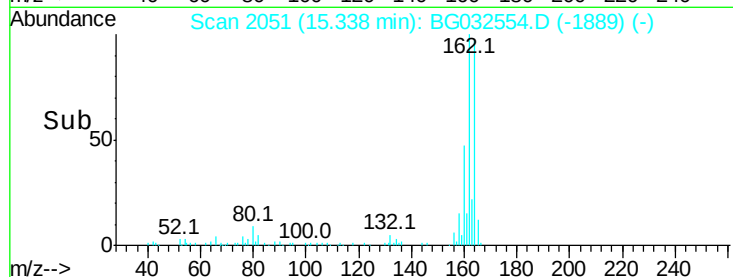
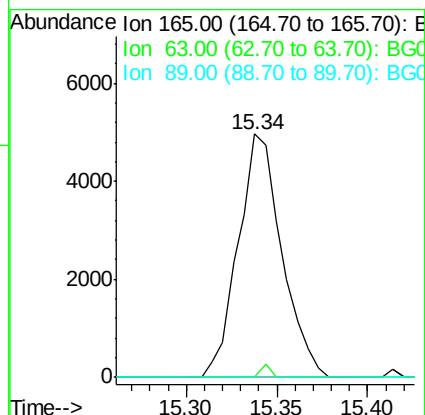
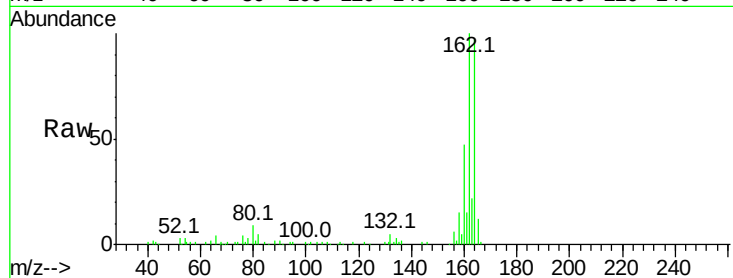




#50
 2,6-Dinitrotoluene
 Concen: 6.182 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.42 min
 Lab File: BG032554.D
 Acq: 6 Feb 2018 3:47

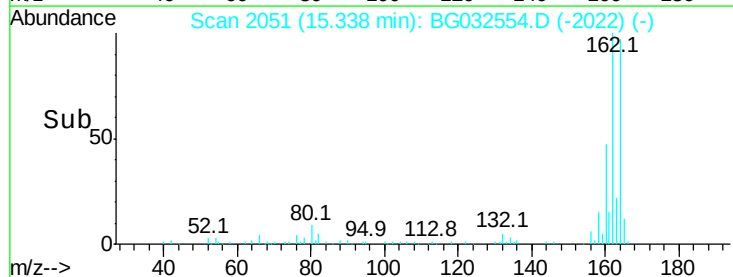
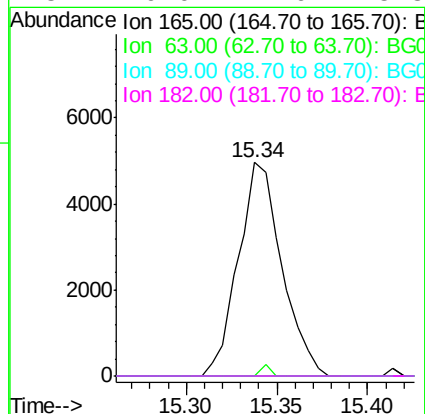
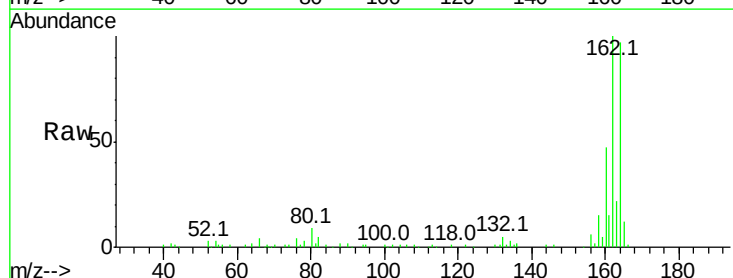
Instrument :
 BNA_G
 ClientSampleId :

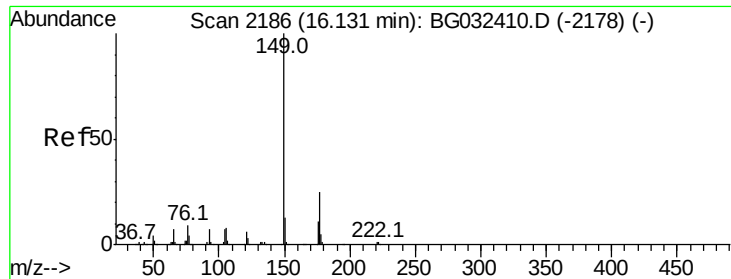
Tot Ion:165 Resp: 8276
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.342 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032554.D
 Acq: 6 Feb 2018 3:47

Tgt Ion:165 Resp: 8276
 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#





#59

Diethylphthalate

Concen: 4.596 ng

RT: 16.11 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Instrument :

BNA_G

ClientSampleId :

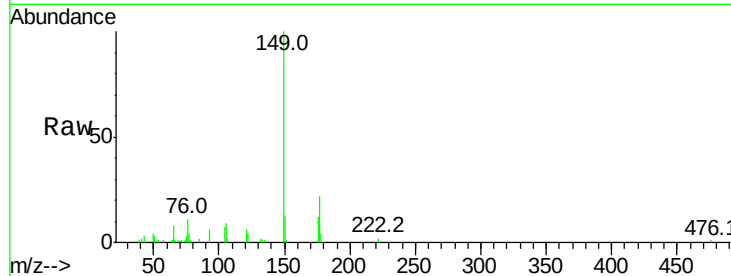
Tot Ion:149 Resp: 28549

Ion Ratio Lower Upper

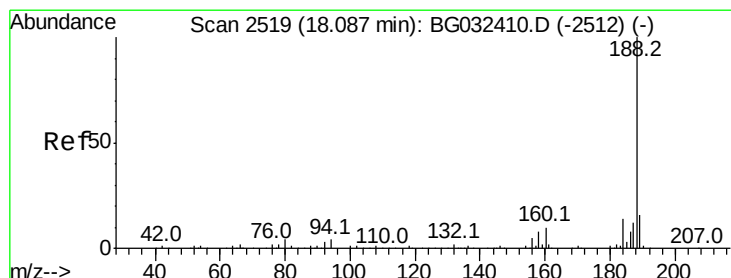
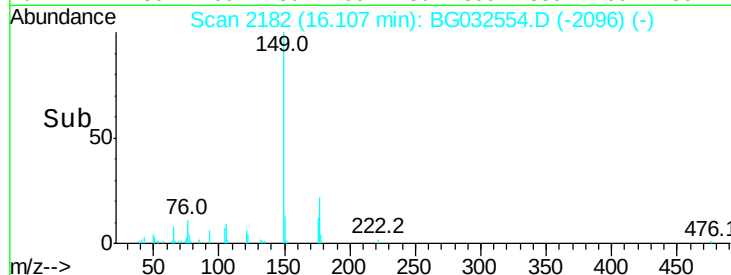
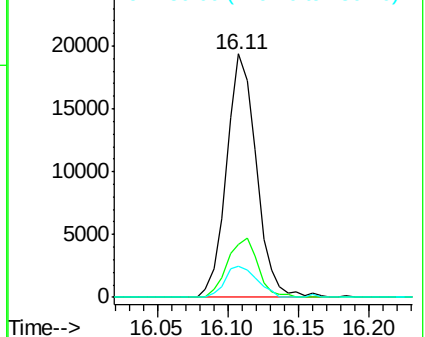
149 100

177 21.9 18.5 27.7

150 12.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

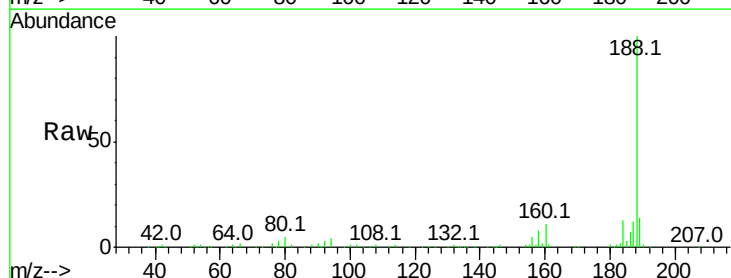
Tgt Ion:188 Resp: 181271

Ion Ratio Lower Upper

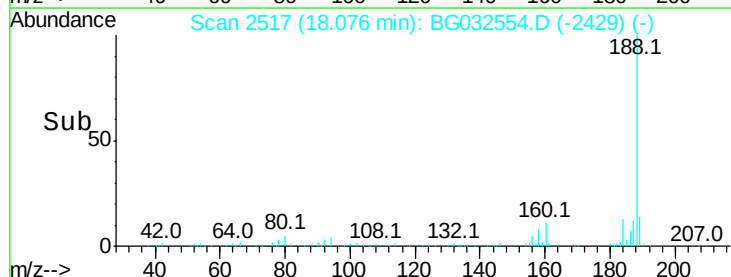
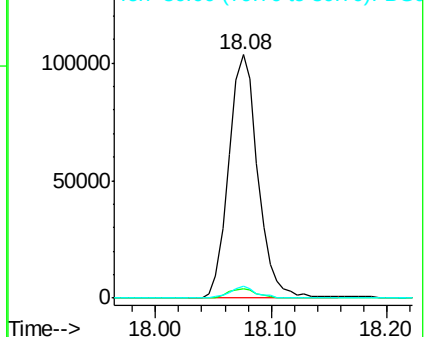
188 100

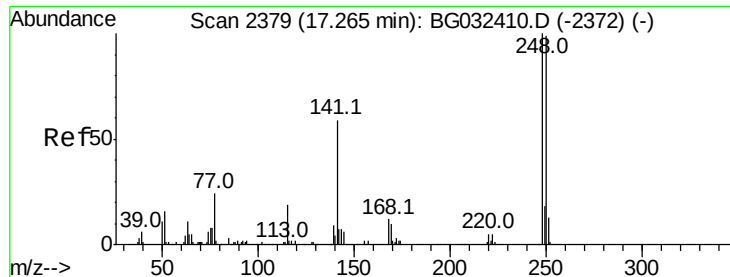
94 3.8 6.9 10.3#

80 5.1 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

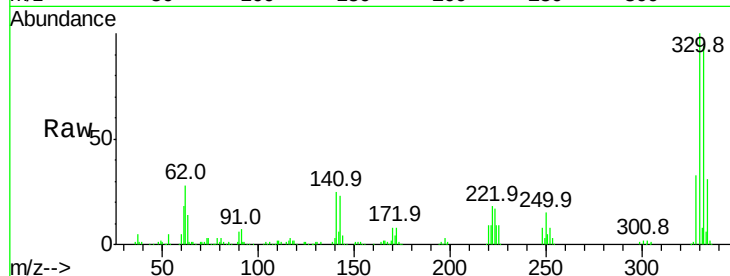




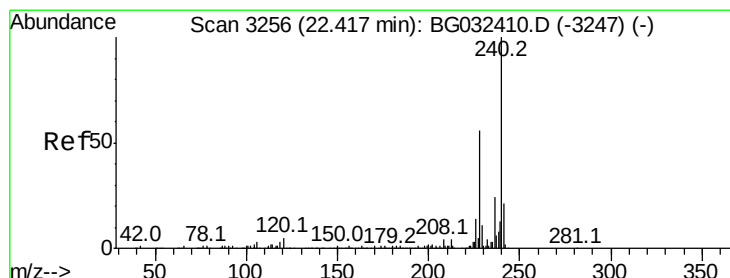
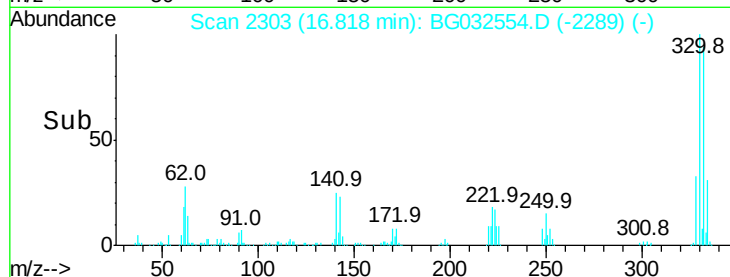
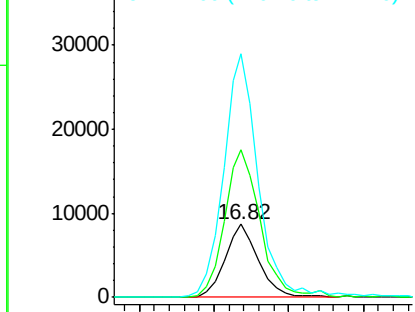
#66
4-Bromophenyl-phenylether
Concen: 5.059 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.45 min
Lab File: BG032554.D
Acq: 6 Feb 2018 3:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13586
Ion Ratio Lower Upper
248 100
250 203.3 77.1 115.7#
141 334.2 50.8 76.2#

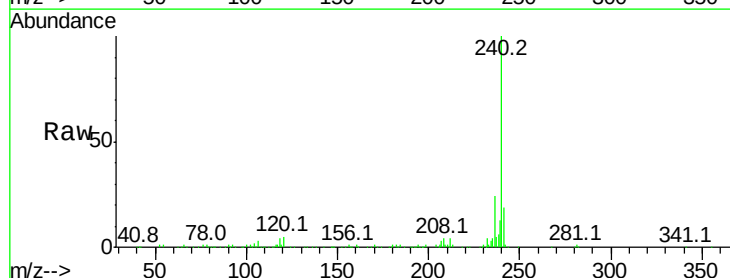


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

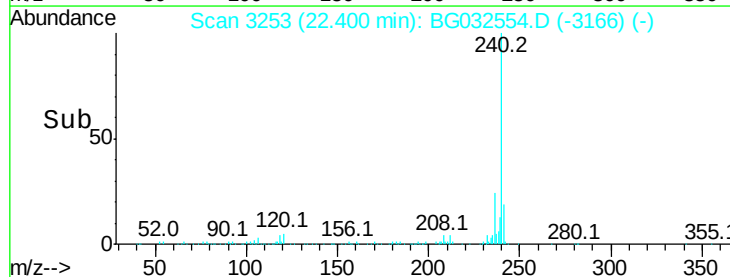
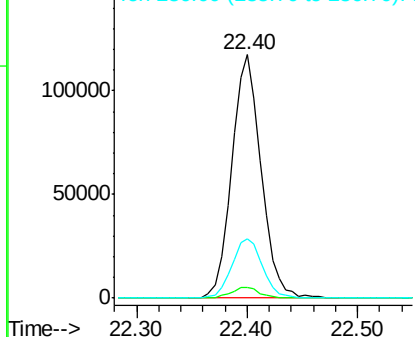


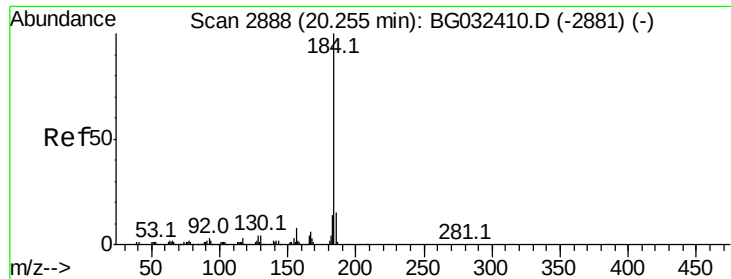
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032554.D
Acq: 6 Feb 2018 3:47

Tgt Ion:240 Resp: 218623
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 24.4 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: 3.199 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

Instrument :

BNA_G

ClientSampled :

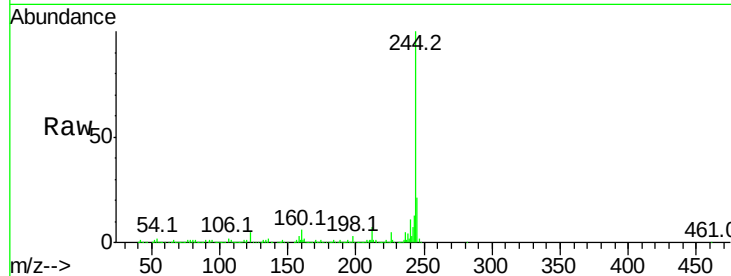
Tot Ion:184 Resp: 13731

Ion Ratio Lower Upper

184 100

185 18.9 11.1 16.7#

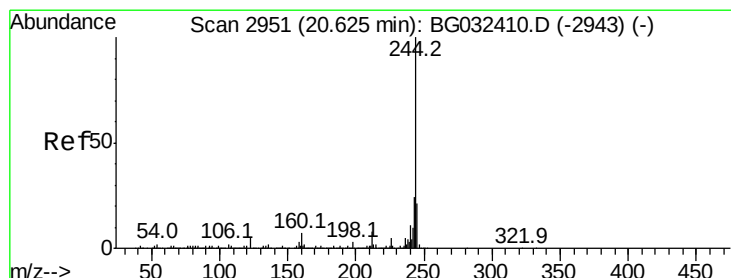
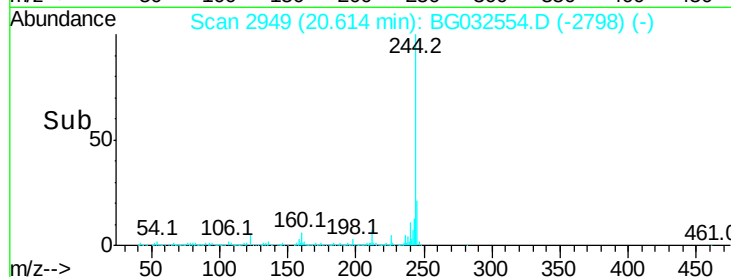
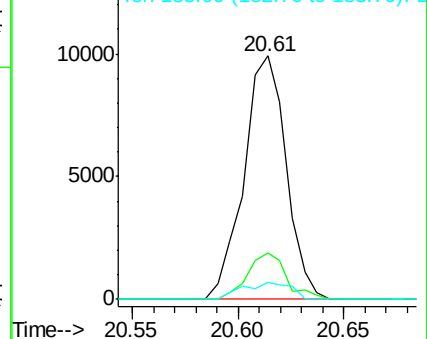
183 6.9 10.6 16.0#



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: 92.230 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032554.D

Acq: 6 Feb 2018 3:47

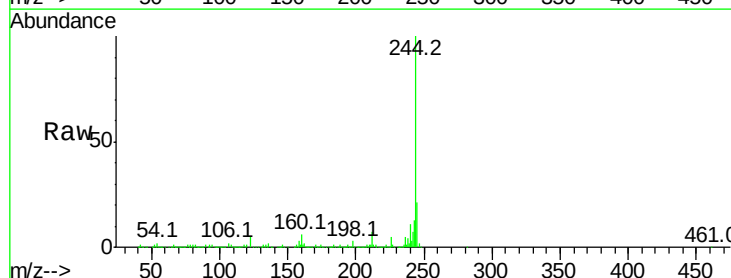
Tgt Ion:244 Resp: 941308

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

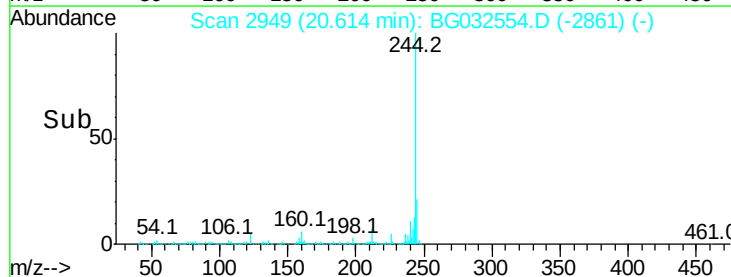
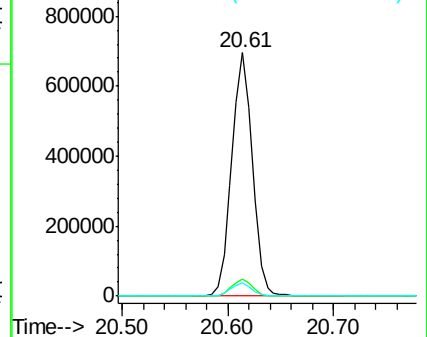
122 5.4 7.0 10.4#

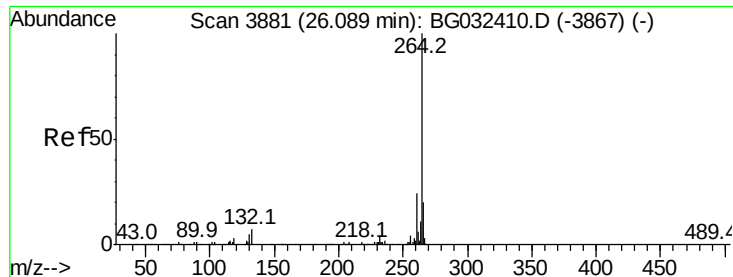


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

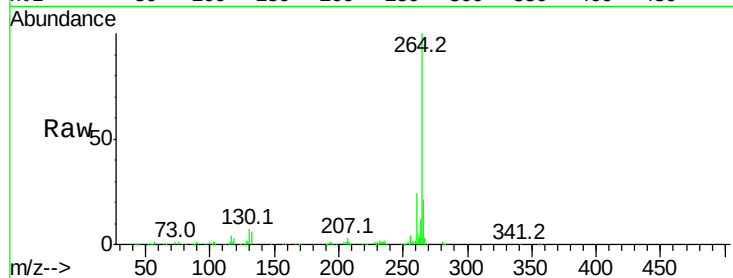




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.07 min Scan# 3877
Delta R.T. -0.02 min
Lab File: BG032554.D
Acq: 6 Feb 2018 3:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.8	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

