

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032611.D
 Acq On : 8 Feb 2018 15:33
 Operator : SJ/JU
 Sample : J1404-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:33:51 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

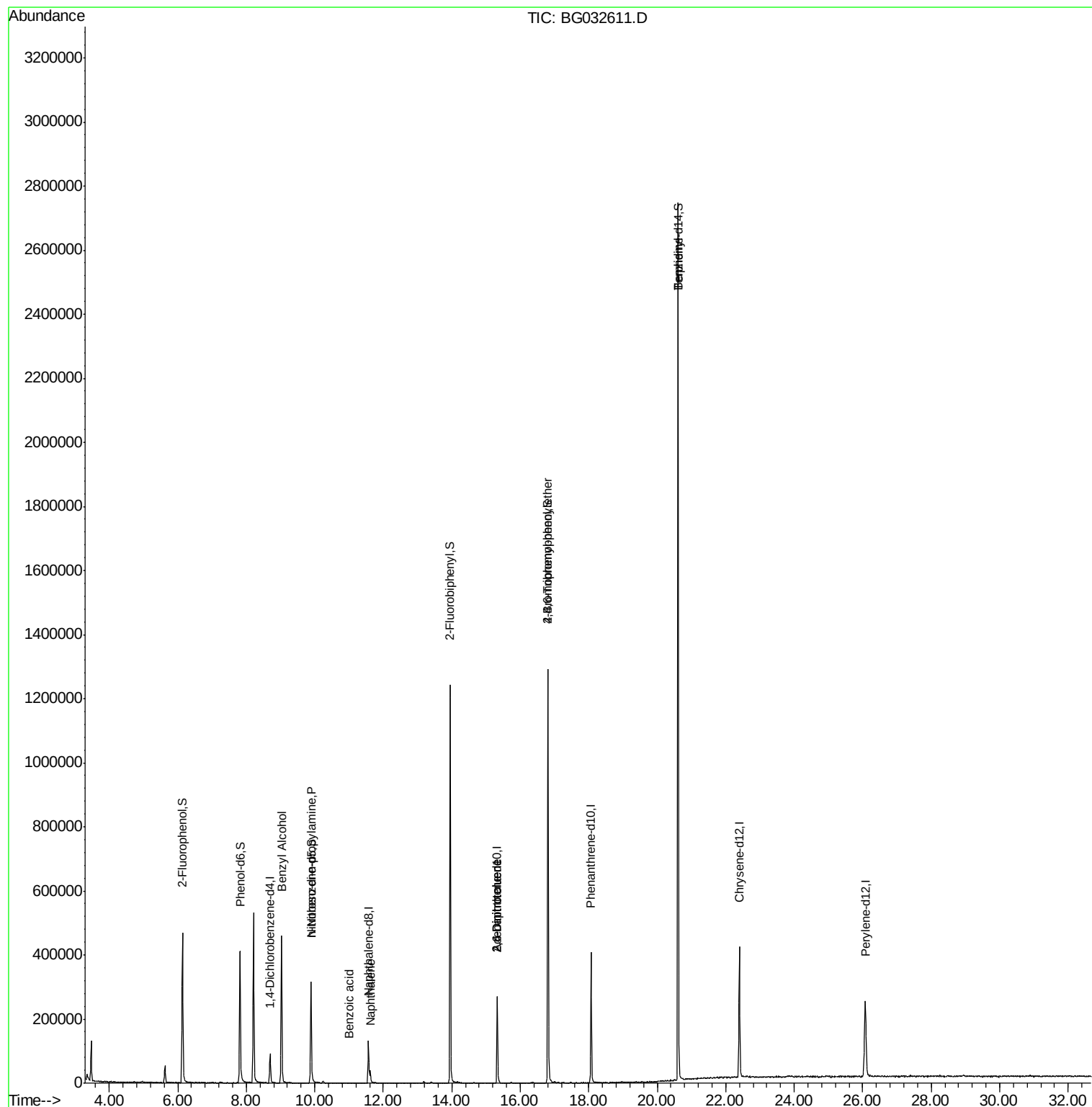
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	32301	20.00	ng	-0.02
21) Naphthalene-d8	11.57	136	133946	20.00	ng	-0.02
38) Acenaphthene-d10	15.33	164	106420	20.00	ng	-0.02
63) Phenanthrene-d10	18.07	188	310350	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	331475	20.00	ng	-0.01
86) Perylene-d12	26.07	264	345627	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	234765	145.98	ng	0.00
7) Phenol-d6	7.82	99	269822	125.73	ng	0.00
23) Nitrobenzene-d5	9.89	82	211735	98.73	ng	-0.02
41) 2,4,6-Tribromophenol	16.81	330	287817	142.08	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	770369	86.04	ng	-0.02
78) Terphenyl-d14	20.61	244	1476663	95.43	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.03	79	3978	2.25	ng	# 52
19) n-Nitroso-di-n-propylamine	9.89	70	30220	21.24	ng	# 78
31) Naphthalene	11.62	128	36027	5.51	ng	# 97
32) Benzoic acid	11.01	122	54	7.32	ng	# 1
50) 2,6-Dinitrotoluene	15.33	165	13162	6.39	ng	# 21
56) 2,4-Dinitrotoluene	15.33	165	13163	4.49	ng	# 19
66) 4-Bromophenyl-phenylether	16.81	248	26285	5.72	ng	# 1
76) Benzidine	20.61	184	23012	3.54	ng	# 92

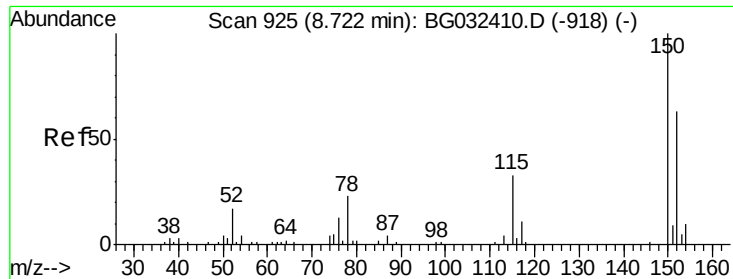
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.69 min Scan# 920

Delta R.T. -0.02 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

Instrument :

BNA_G

ClientSampleId :

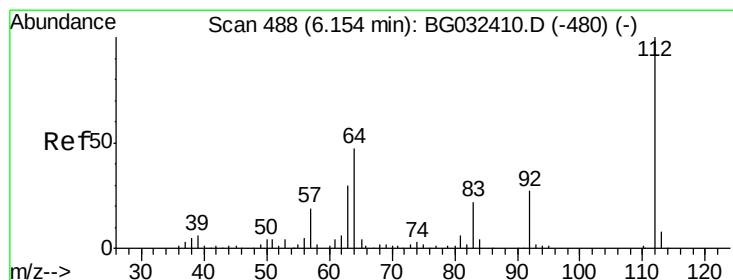
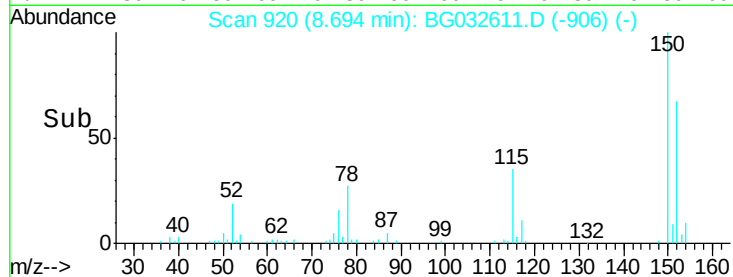
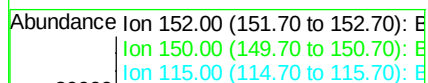
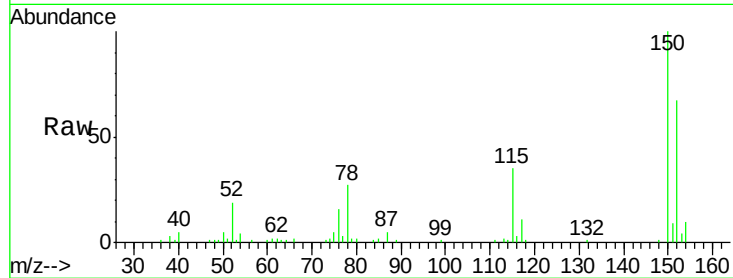
Tot Ion:152 Resp: 32301

Ion Ratio Lower Upper

152 100

150 149.3 126.6 189.8

115 51.9 53.0 79.4#



#5

2-Fluorophenol

Concen: 145.98 ng

RT: 6.14 min Scan# 485

Delta R.T. -0.00 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

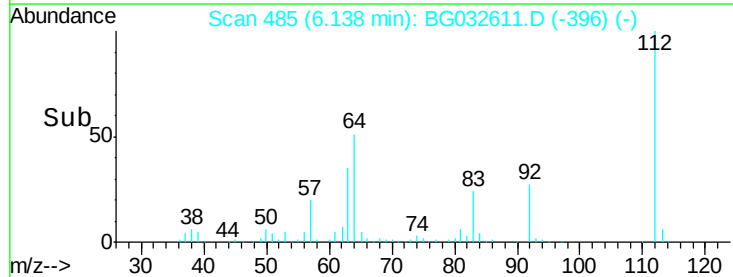
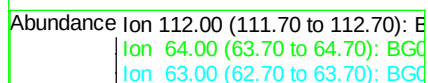
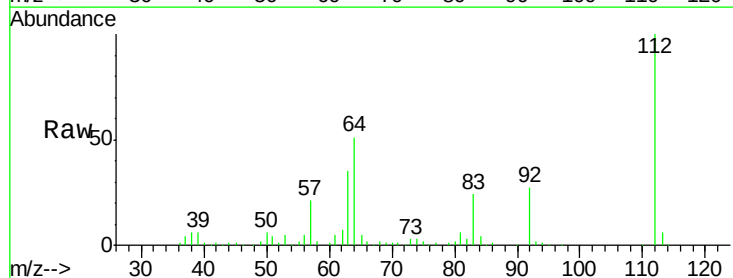
Tgt Ion:112 Resp: 234765

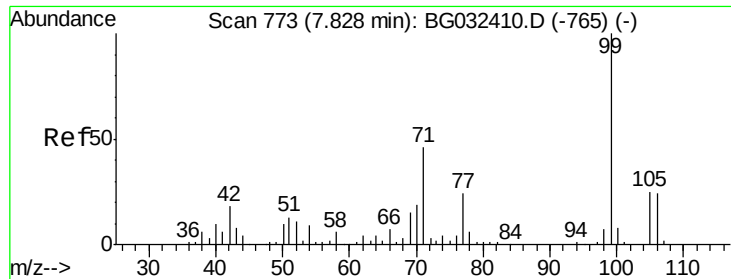
Ion Ratio Lower Upper

112 100

64 51.0 56.3 84.5#

63 34.8 30.1 45.1





#7

Phenol-d6

Concen: 125.73 ng

RT: 7.82 min Scan# 771

Delta R.T. -0.00 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

Instrument :

BNA_G

ClientSampleId :

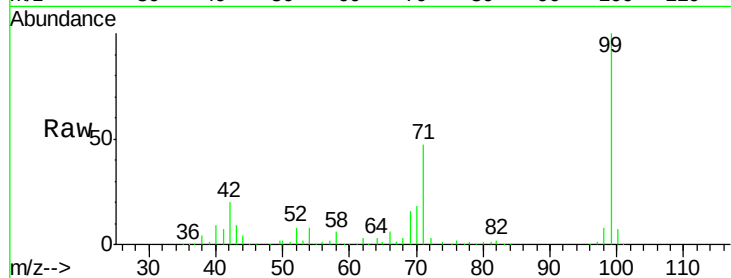
Tot Ion: 99 Resp: 269822

Ion Ratio Lower Upper

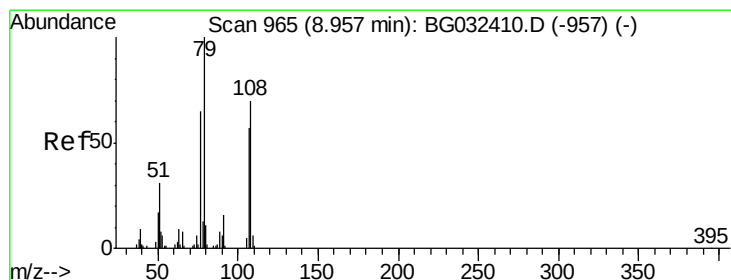
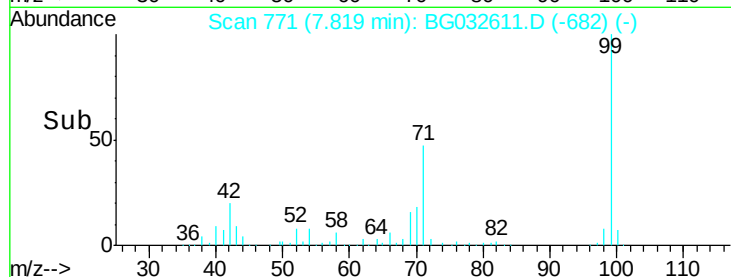
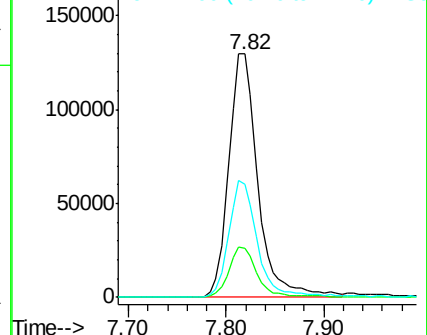
99 100

42 20.4 14.1 21.1

71 46.5 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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 9.03 min Scan# 977

Delta R.T. 0.08 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

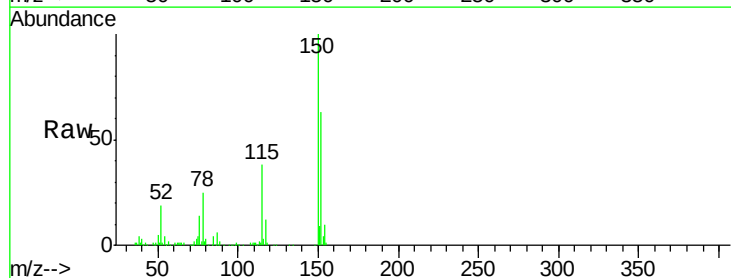
Tgt Ion: 79 Resp: 3978

Ion Ratio Lower Upper

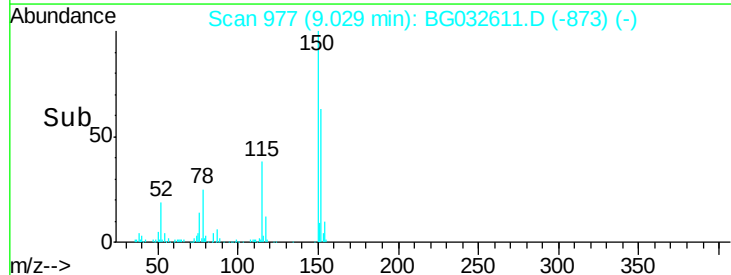
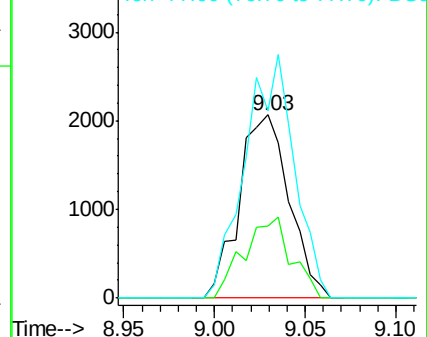
79 100

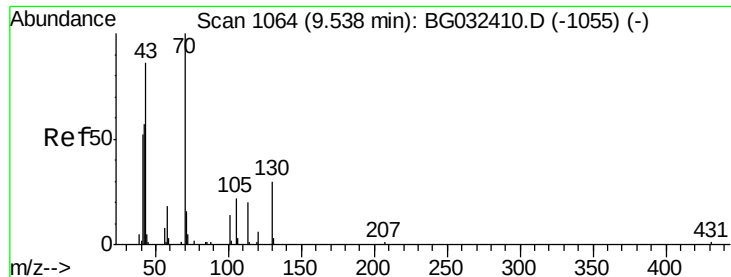
108 39.6 57.2 85.8#

77 102.0 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

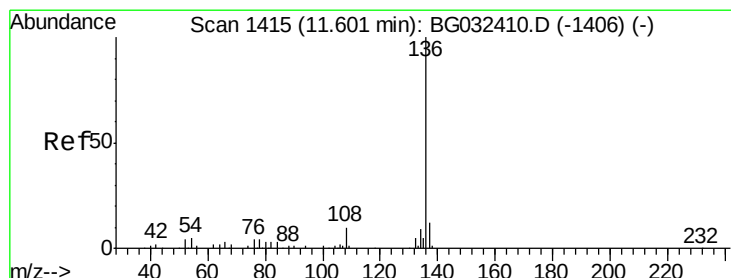
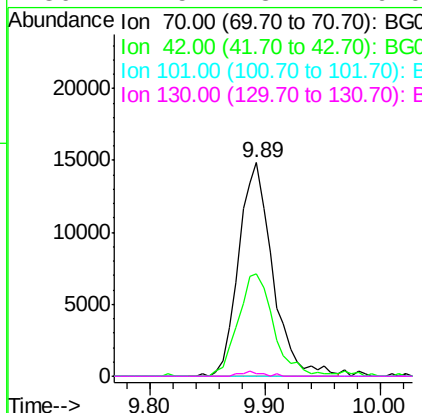
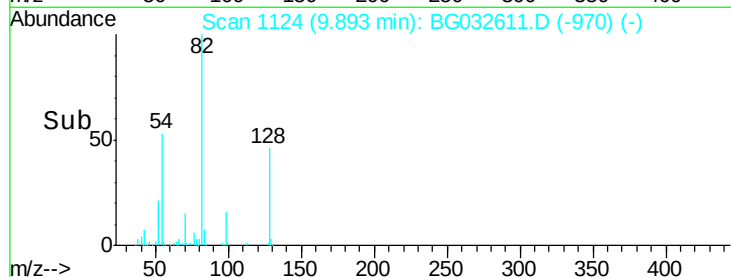
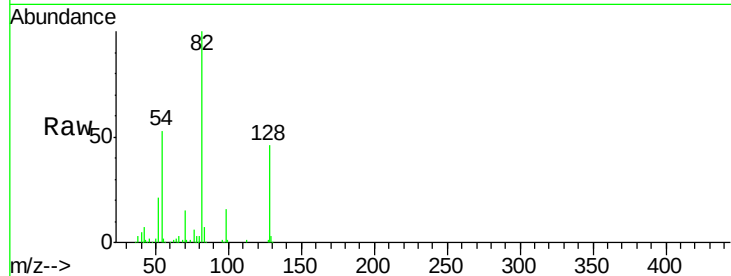




#19
n-Nitroso-di-n-propylamine
Concen: 21.24 ng
RT: 9.89 min Scan# 1124
Delta R.T. 0.38 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

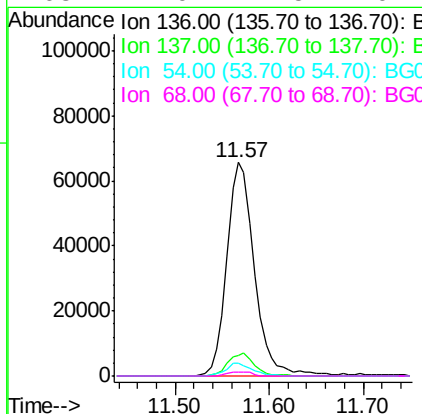
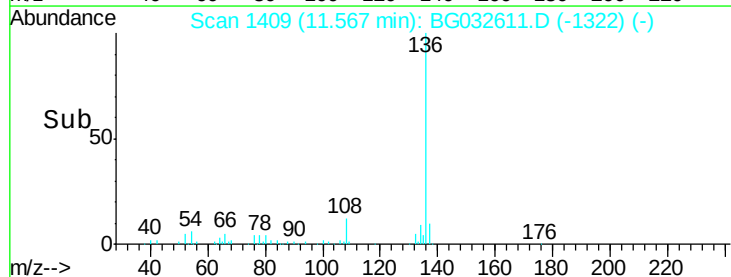
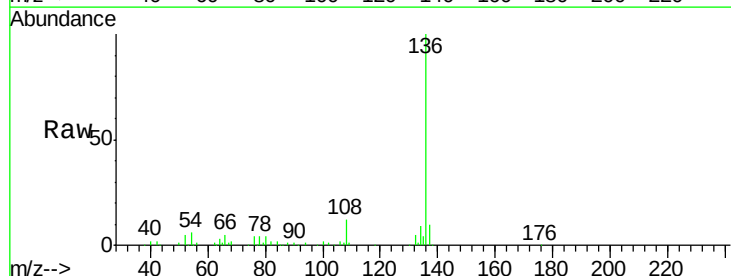
Instrument :
BNA_G
ClientSampleId :

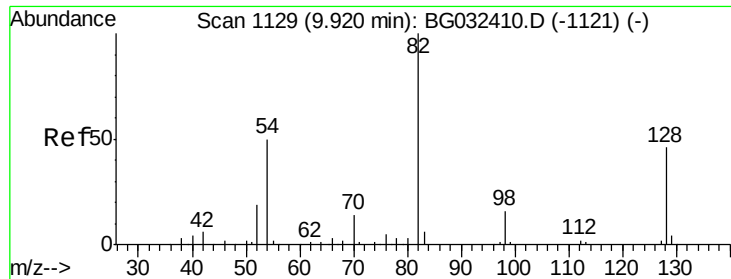
Tot Ion: 70 Resp: 30220
Ion Ratio Lower Upper
70 100
42 47.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.57 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

Tgt Ion: 136 Resp: 133946
Ion Ratio Lower Upper
136 100
137 9.6 9.2 13.8
54 6.3 10.3 15.5#
68 2.0 4.5 6.7#

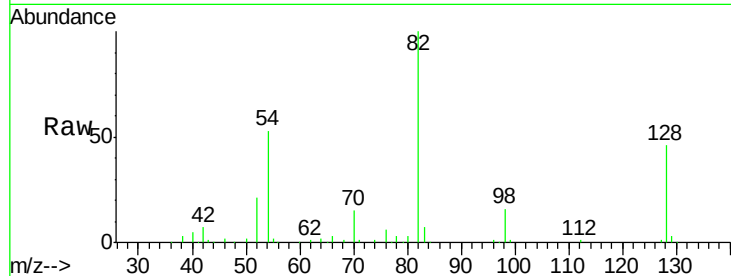




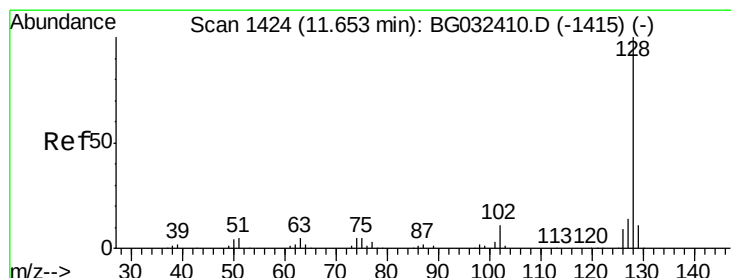
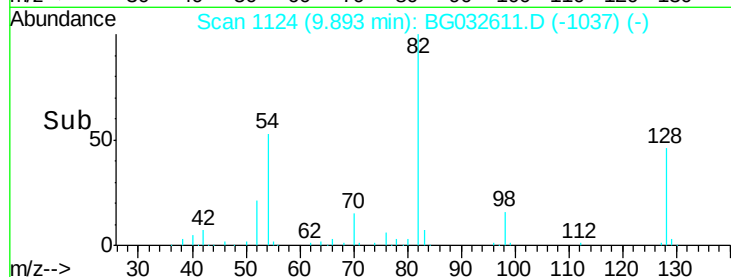
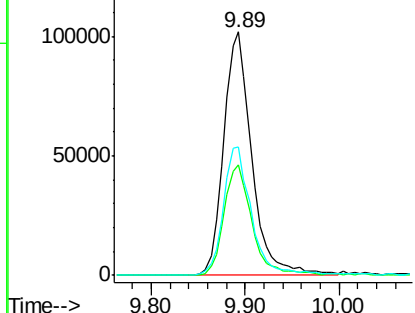
#23
 Nitrobenzene-d5
 Concen: 98.73 ng
 RT: 9.89 min Scan# 1124
 Delta R.T. -0.02 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion: 82 Resp: 211735
 Ion Ratio Lower Upper
 82 100
 128 45.5 29.7 44.5#
 54 52.7 43.1 64.7

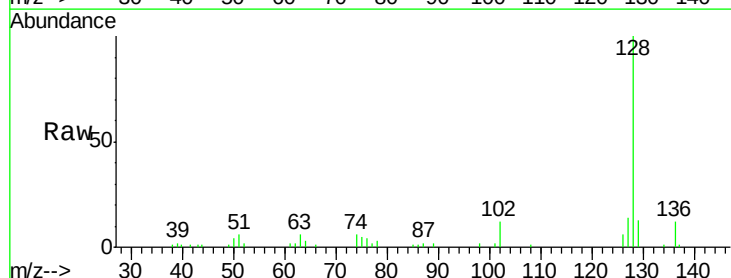


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

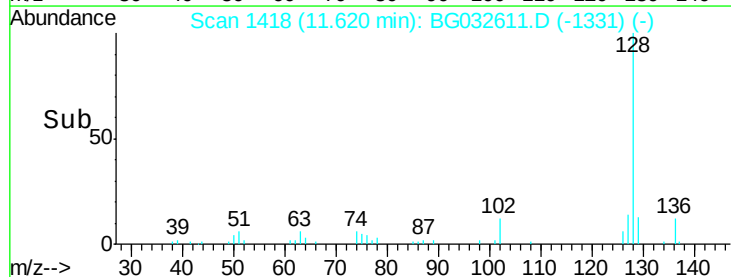
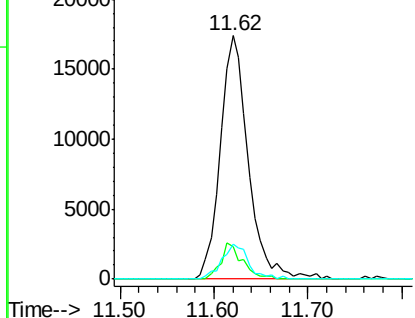


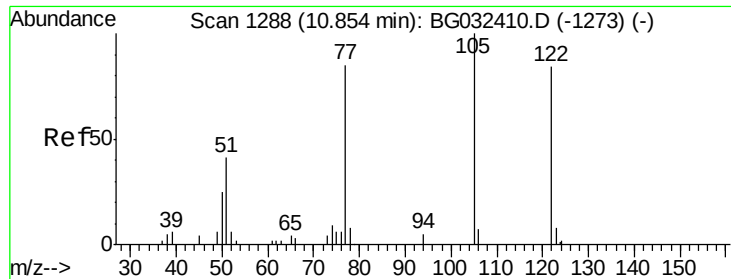
#31
 Naphthalene
 Concen: 5.51 ng
 RT: 11.62 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

Tgt Ion: 128 Resp: 36027
 Ion Ratio Lower Upper
 128 100
 129 13.1 8.6 12.8#
 127 14.4 11.6 17.4



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

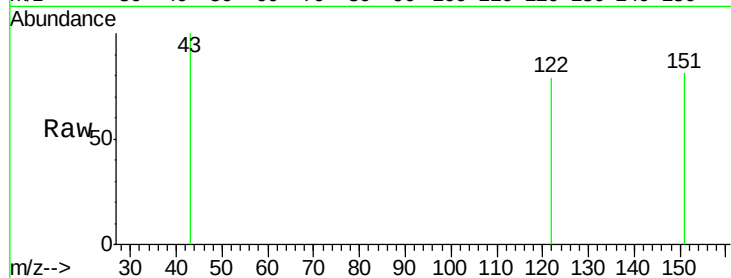




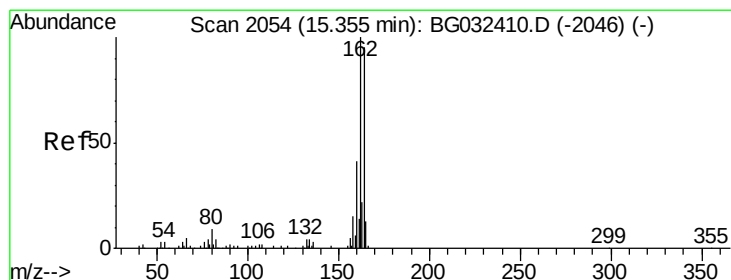
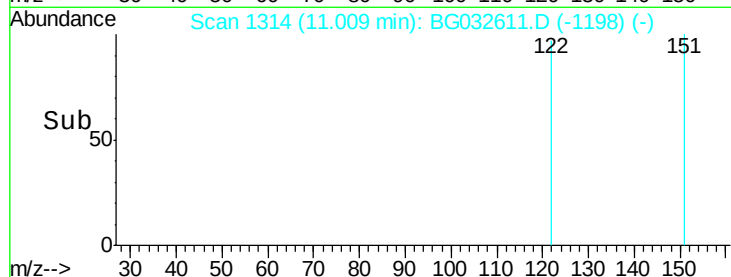
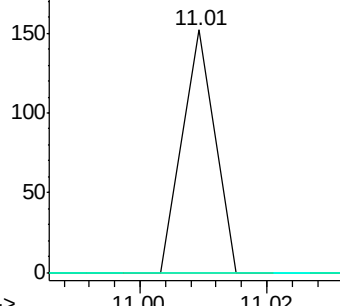
#32
Benzoic acid
Concen: 7.32 ng
RT: 11.01 min Scan# 1314
Delta R.T. 0.15 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

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#

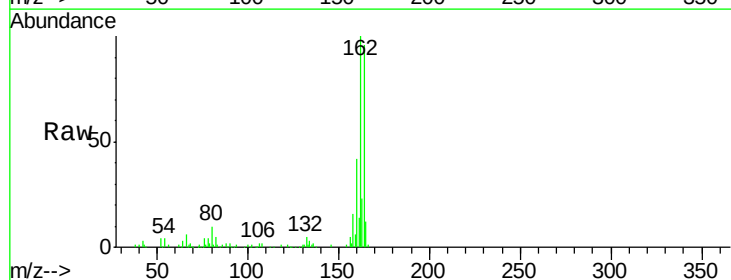


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

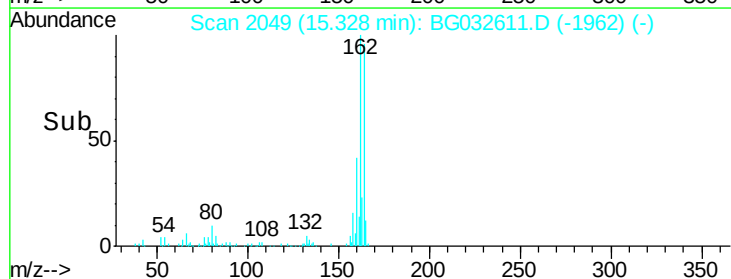
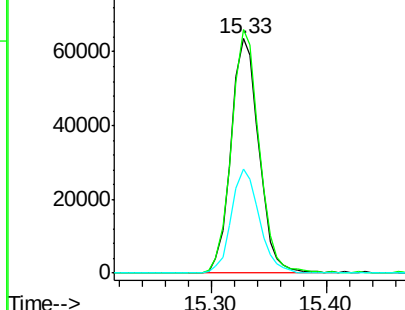


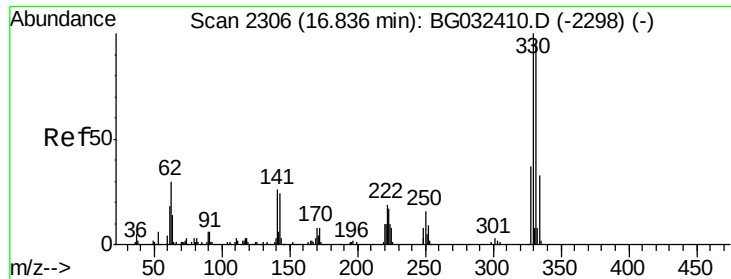
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.33 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	78.8	118.2
160	44.1	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

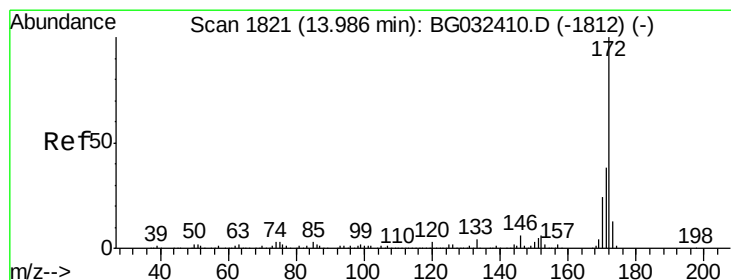
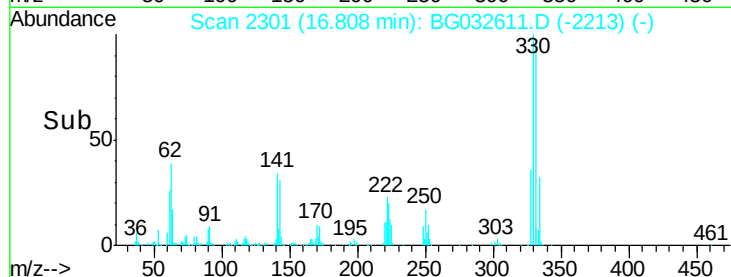
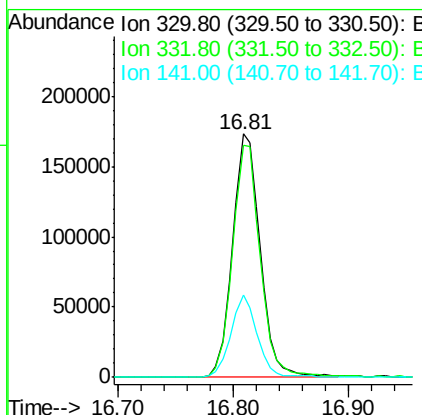
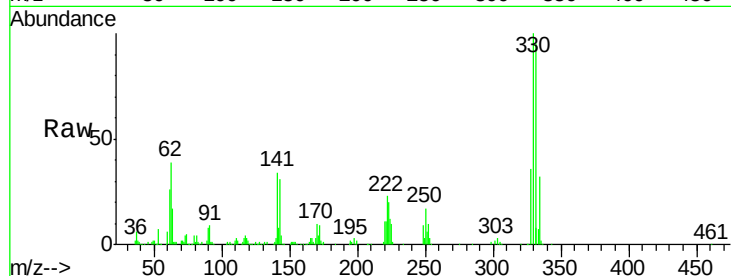




#41
 2,4,6-Tribromophenol
 Concen: 142.08 ng
 RT: 16.81 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

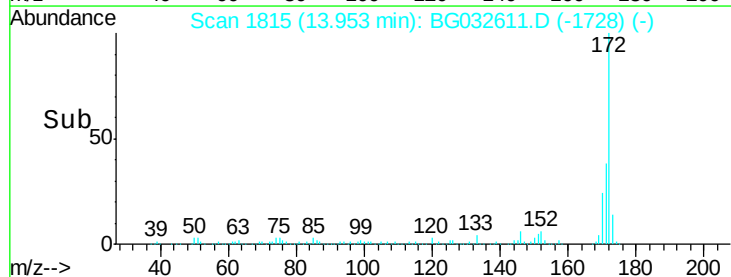
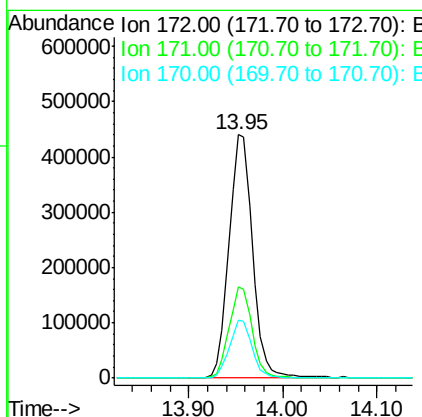
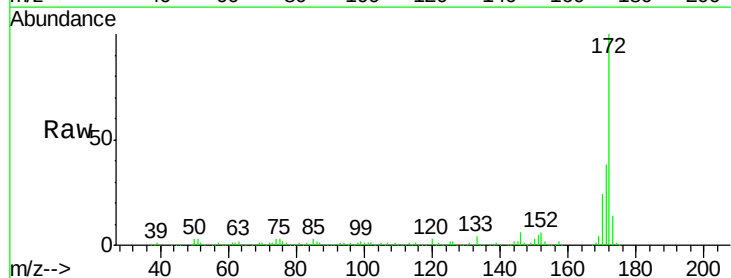
Instrument :
 BNA_G
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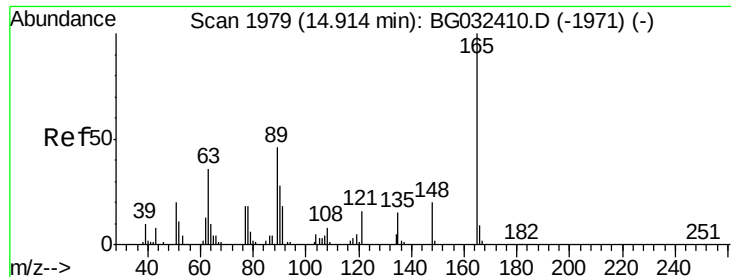
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	32.3	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 86.04 ng
 RT: 13.95 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.6	19.5	29.3

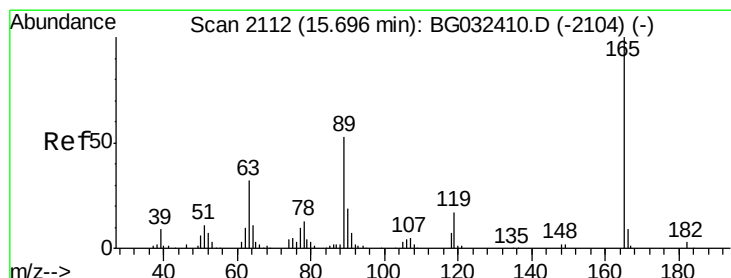
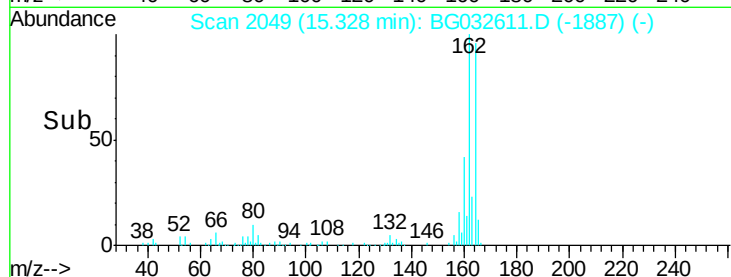
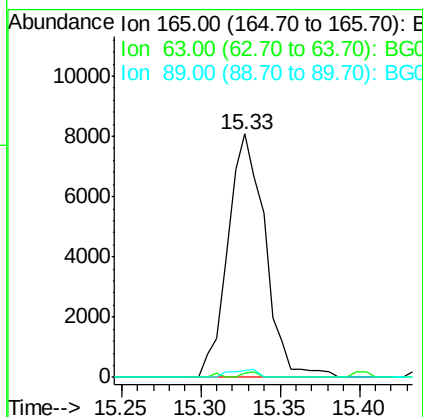
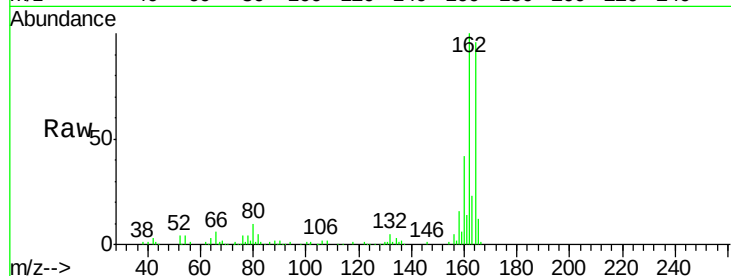




#50
2,6-Dinitrotoluene
Concen: 6.39 ng
RT: 15.33 min Scan# 2049
Delta R.T. 0.42 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

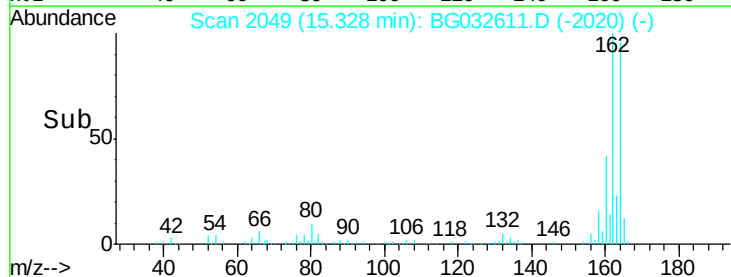
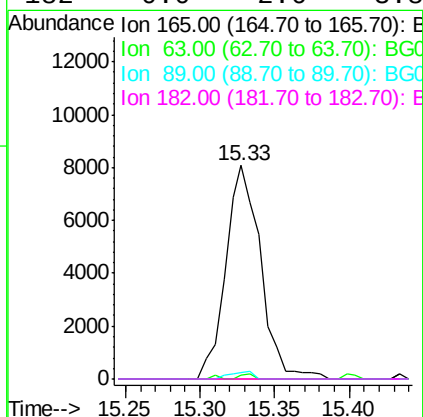
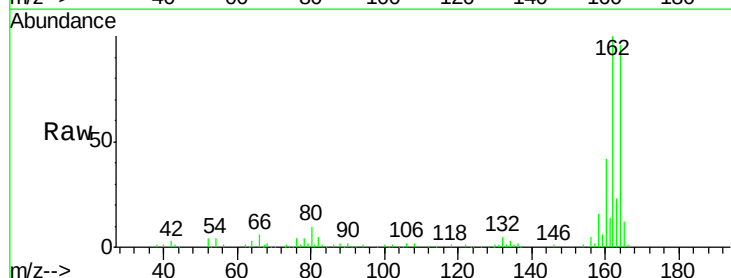
Instrument :
BNA_G
ClientSampleId :

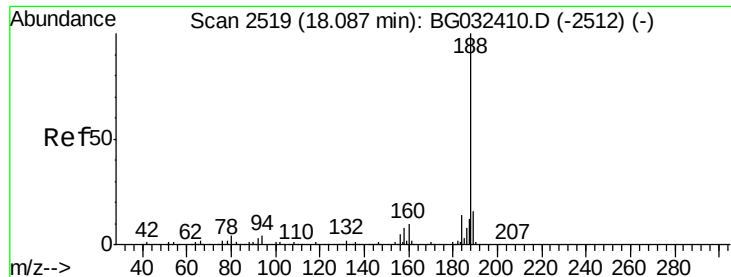
Tot Ion:165 Resp: 13162
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 2.9 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.49 ng
RT: 15.33 min Scan# 2049
Delta R.T. -0.36 min
Lab File: BG032611.D
Acq: 8 Feb 2018 15:33

Tgt Ion:165 Resp: 13163
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.07 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

Instrument :

BNA_G

ClientSampleId :

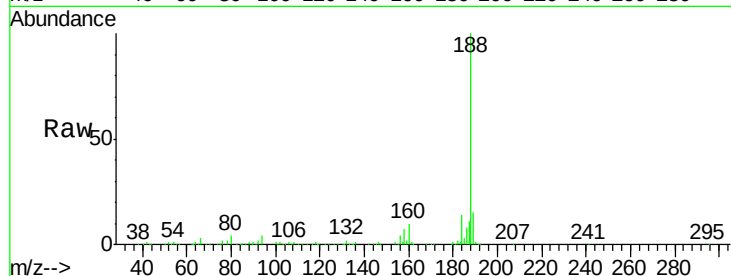
Tot Ion:188 Resp: 310350

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

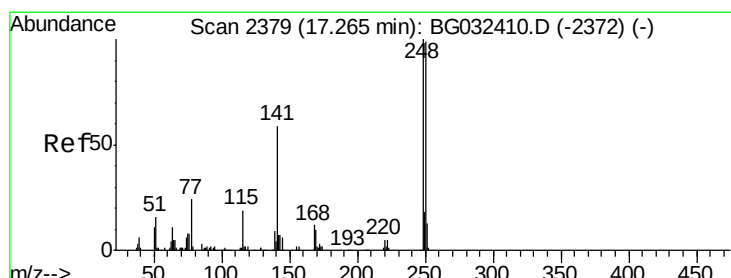
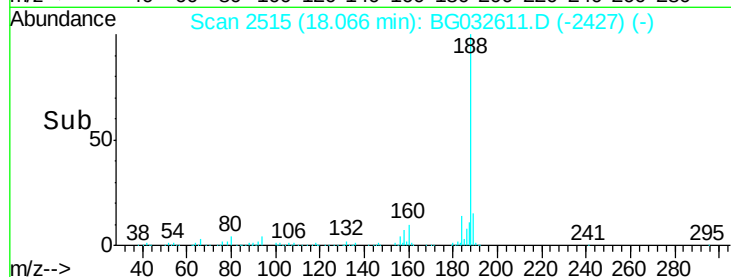
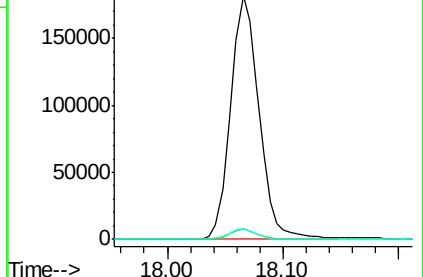
80 4.4 7.7 11.5#



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: 5.72 ng

RT: 16.81 min Scan# 2301

Delta R.T. -0.44 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

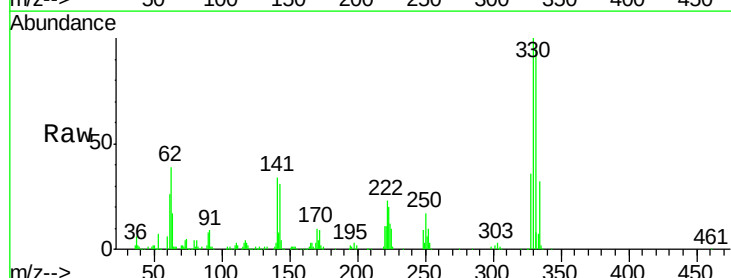
Tgt Ion:248 Resp: 26285

Ion Ratio Lower Upper

248 100

250 199.5 77.1 115.7#

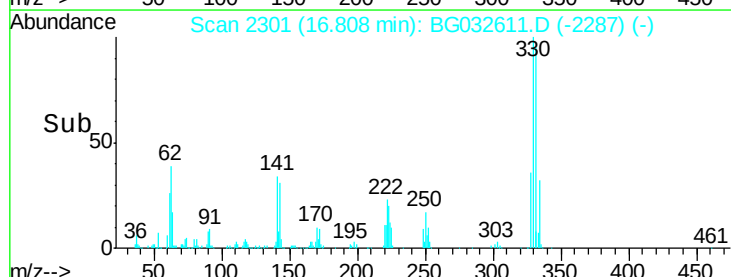
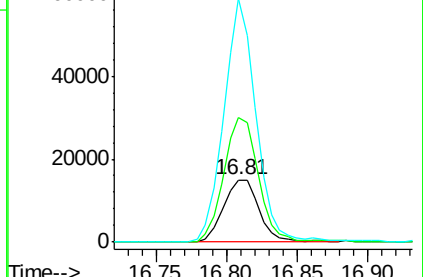
141 389.9 50.8 76.2#

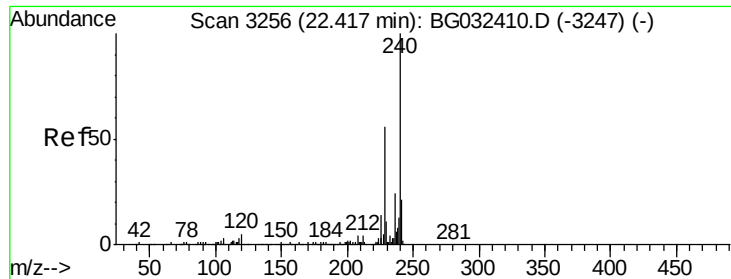


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032611.D

Acq: 8 Feb 2018 15:33

Instrument :

BNA_G

ClientSampleId :

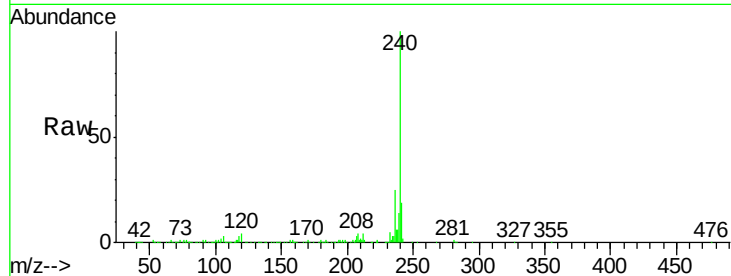
Tot Ion:240 Resp: 331475

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

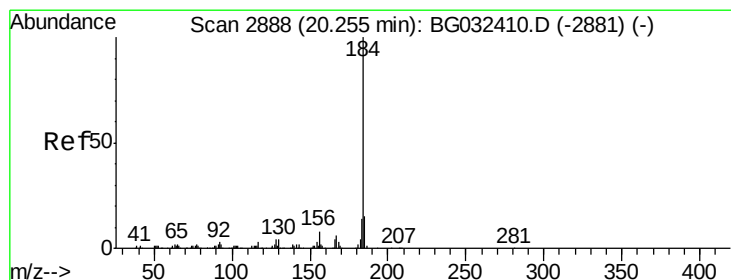
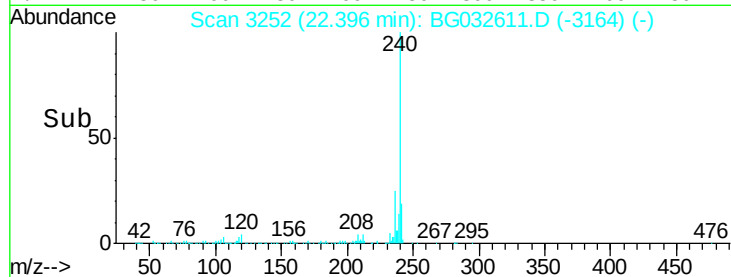
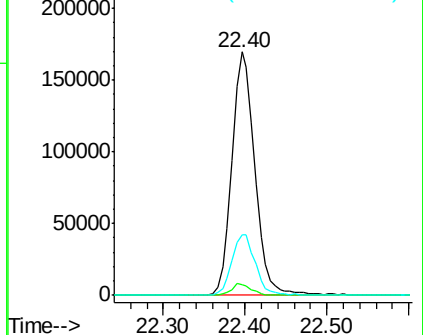
236 24.9 20.9 31.3



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: 3.54 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.37 min

Lab File: BG032611.D

Acq: 8 Feb 2018 15:33

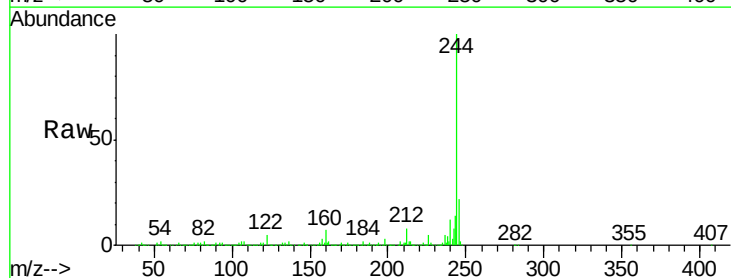
Tgt Ion:184 Resp: 23012

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

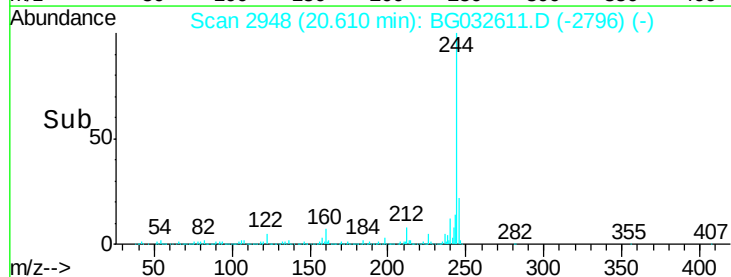
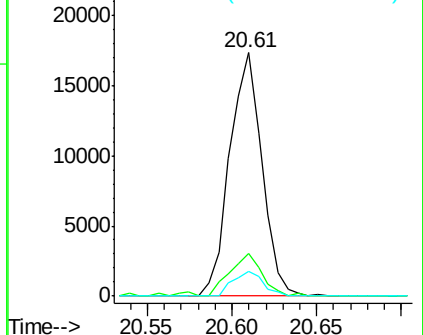
183 10.1 10.6 16.0#

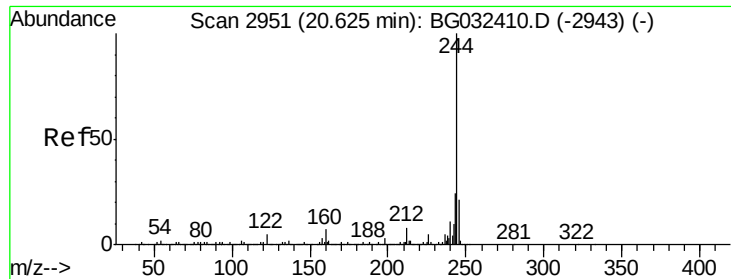


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

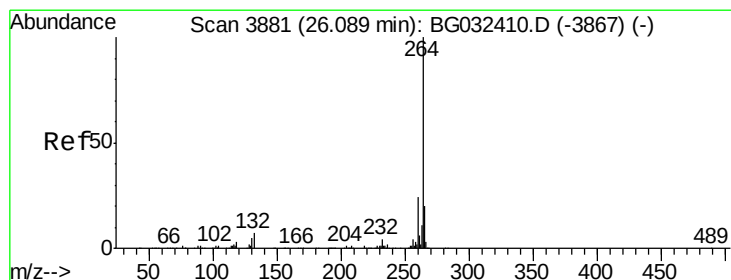
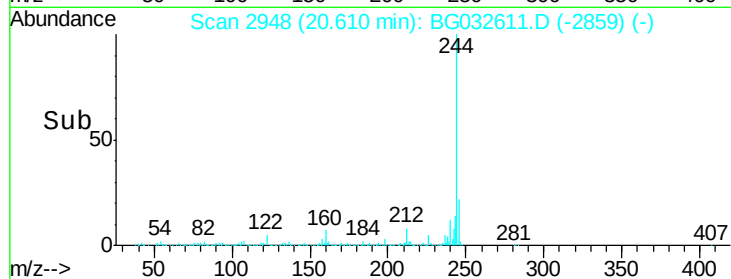
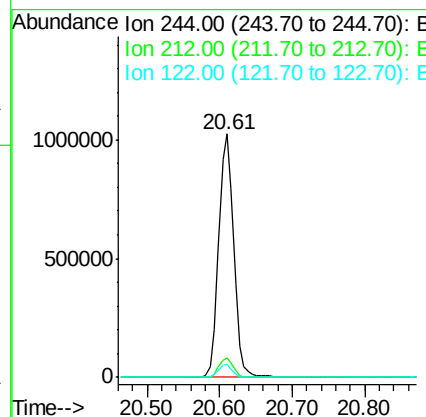
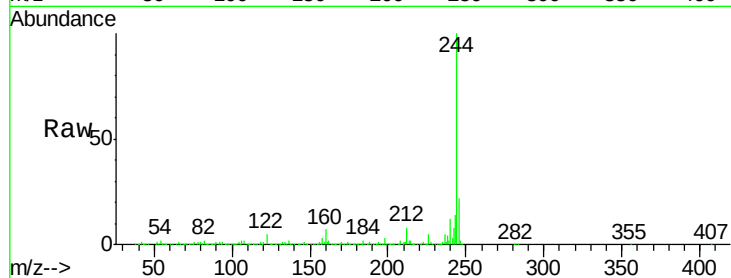




#78
 Terphenyl-d14
 Concen: 95.43 ng
 RT: 20.61 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1476663
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.8 8.8
 122 5.5 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.07 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: BG032611.D
 Acq: 8 Feb 2018 15:33

Tgt Ion:264 Resp: 345627
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 22.6 17.7 26.5

