

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032437.D
 Acq On : 30 Jan 2018 7:48
 Operator : SJ/JU
 Sample : J1340-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 10:55:25 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	8.72	152	24724	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	104017	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	80934	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	224117	20.00	ng	0.00
75) Chrysene-d12	22.42	240	265012	20.00	ng	0.00
86) Perylene-d12	26.10	264	289962	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	186633	151.62	ng	0.00
7) Phenol-d6	7.84	99	228677	139.22	ng	0.00
23) Nitrobenzene-d5	9.92	82	163774	98.34	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	222854	144.66	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	625002	91.79	ng	0.00
78) Terphenyl-d14	20.63	244	1318385	106.56	ng	0.00

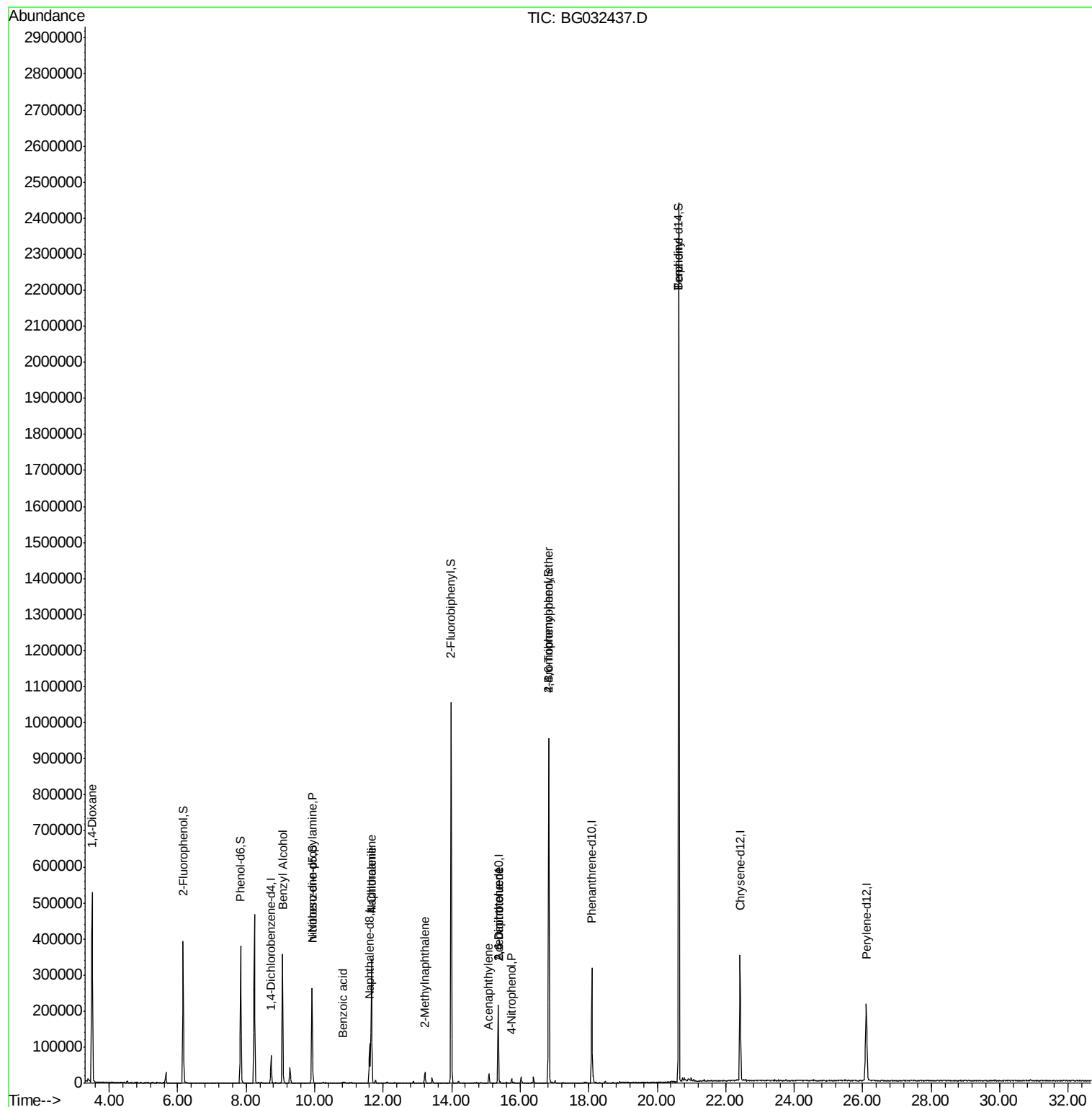
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	6578	15.883	ng	# 1
15) Benzyl Alcohol	9.06	79	2866	2.117	ng	# 45
19) n-Nitroso-di-n-propylamine	9.92	70	24796	22.767	ng	# 76
31) Naphthalene	11.66	128	319609	62.912	ng	# 99
32) Benzoic acid	10.82	122	752	7.895	ng	# 55
33) 4-Chloroaniline	11.66	127	45017	19.867	ng	# 34
37) 2-Methylnaphthalene	13.22	142	15930	3.732	ng	# 96
48) Acenaphthylene	15.08	152	19852	2.450	ng	# 94
50) 2,6-Dinitrotoluene	15.36	165	10996	7.020	ng	# 18
55) 4-Nitrophenol	15.75	139	3527	3.444	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	10996	4.931	ng	# 16
66) 4-Bromophenyl-phenylether	16.83	248	18476	5.565	ng	# 1
76) Benzidine	20.63	184	18828	3.618	ng	# 92

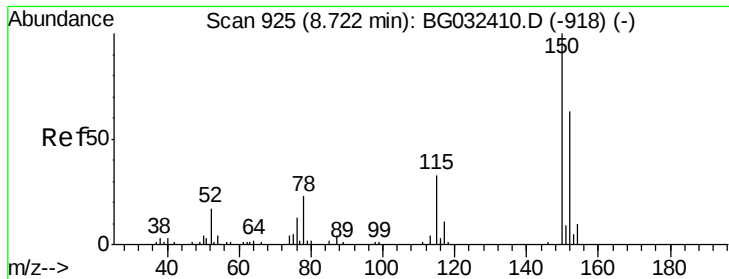
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

Instrument :

BNA_G

ClientSampleId :

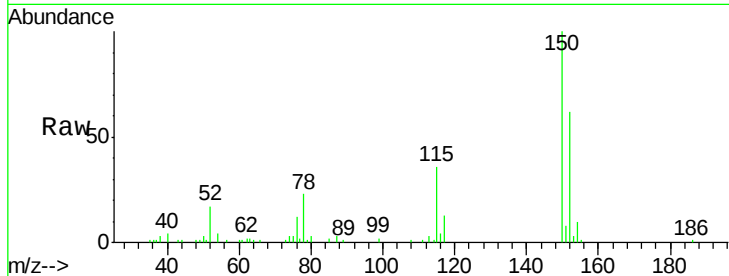
Tot Ion:152 Resp: 24724

Ion Ratio Lower Upper

152 100

150 161.9 126.6 189.8

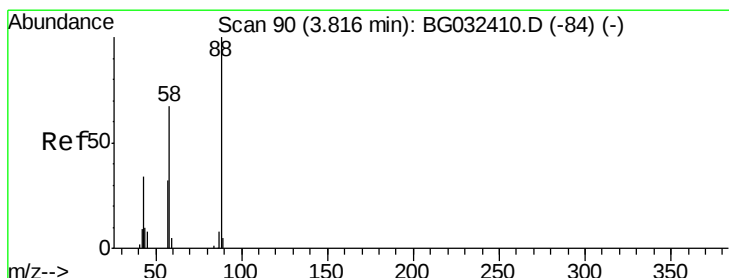
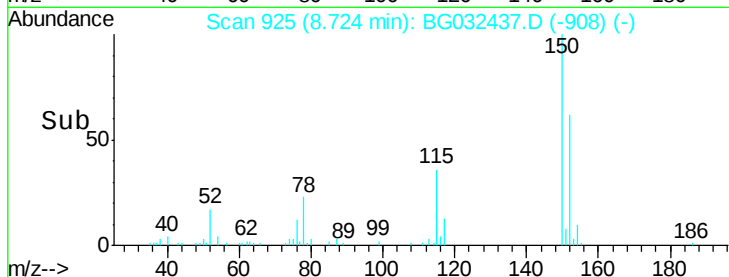
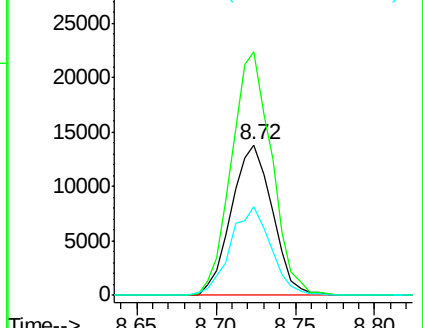
115 59.0 53.0 79.4



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



#2

1,4-Dioxane

Concen: 15.883 ng

RT: 3.50 min Scan# 36

Delta R.T. -0.31 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

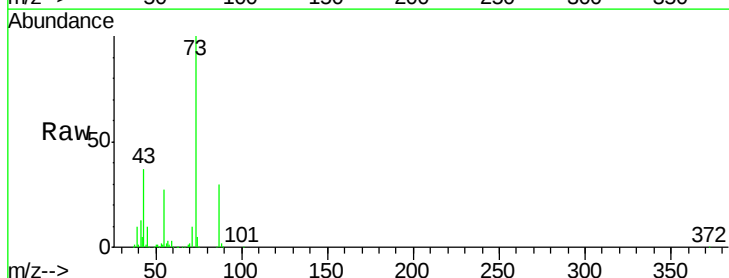
Tgt Ion: 88 Resp: 6578

Ion Ratio Lower Upper

88 100

58 36.6 79.6 119.4#

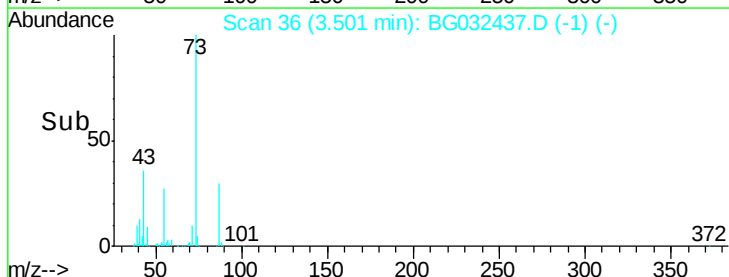
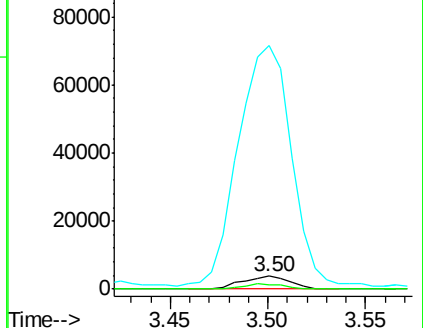
43 2029.2 27.4 41.0#

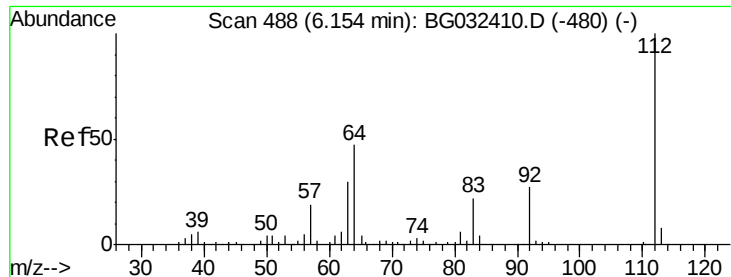


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 151.619 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032437.D

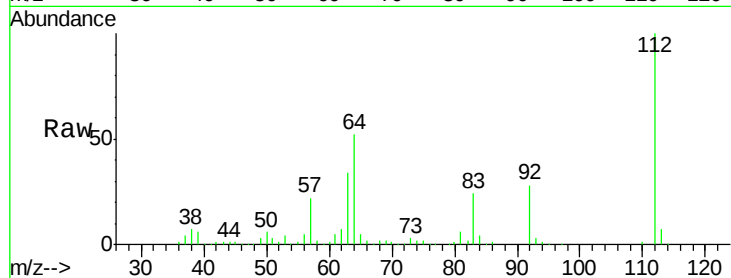
Acq: 30 Jan 2018 7:48

Instrument :

BNA_G

ClientSampleId :

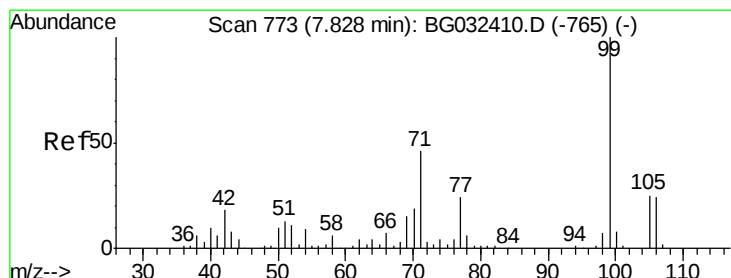
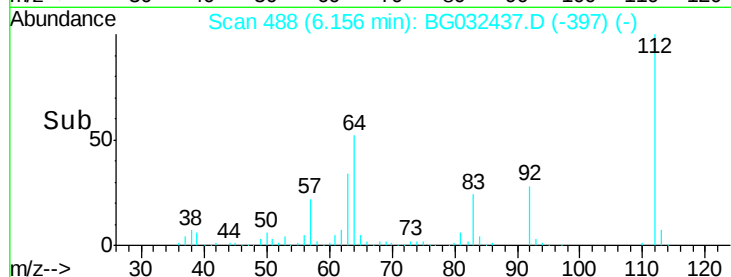
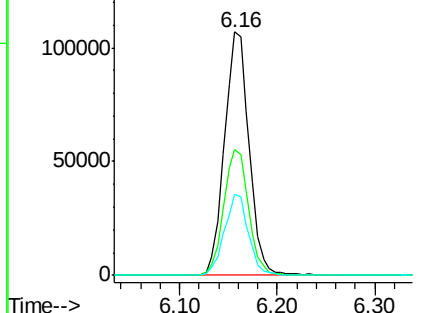
Tot Ion:	112	Resp:	186633
Ion	Ratio	Lower	Upper
112	100		
64	51.5	56.3	84.5#
63	33.6	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 139.218 ng

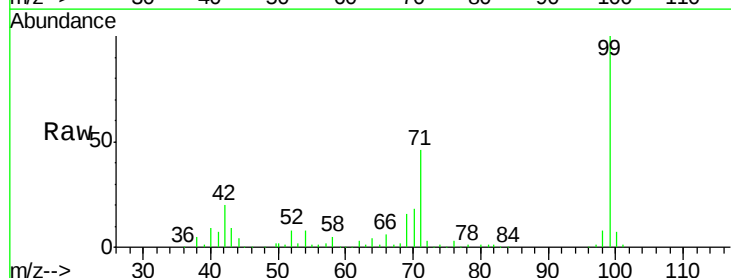
RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

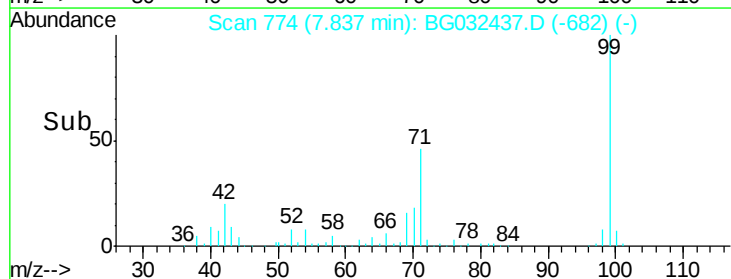
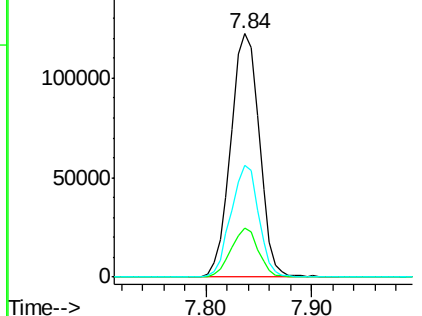
Tgt Ion:	99	Resp:	228677
Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.1	21.1
71	45.7	26.1	39.1#

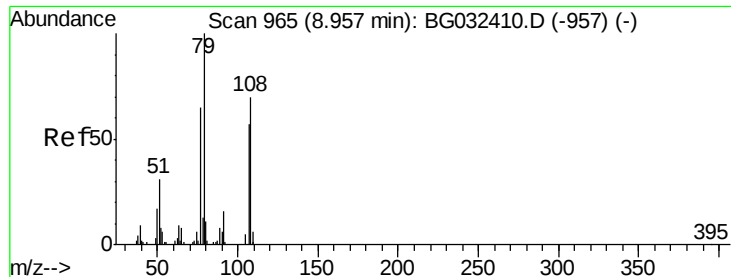


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.117 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

Instrument :

BNA_G

ClientSampleId :

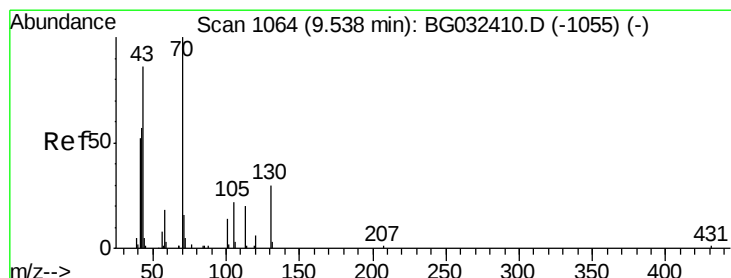
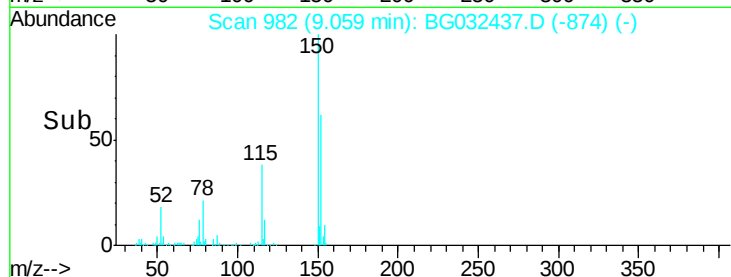
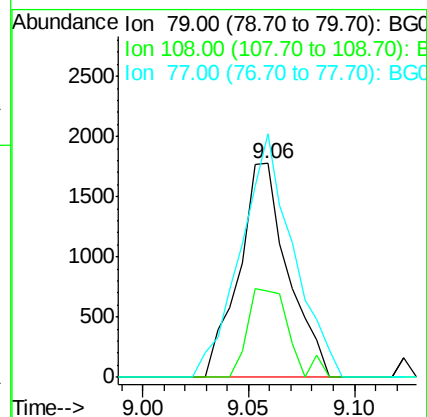
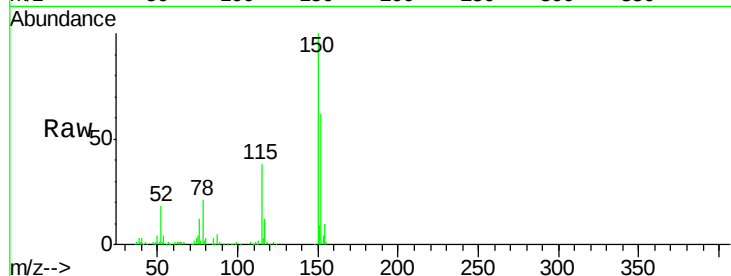
Tot Ion: 79 Resp: 2866

Ion Ratio Lower Upper

79 100

108 40.3 57.2 85.8#

77 114.0 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 22.767 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

Tgt Ion: 70 Resp: 24796

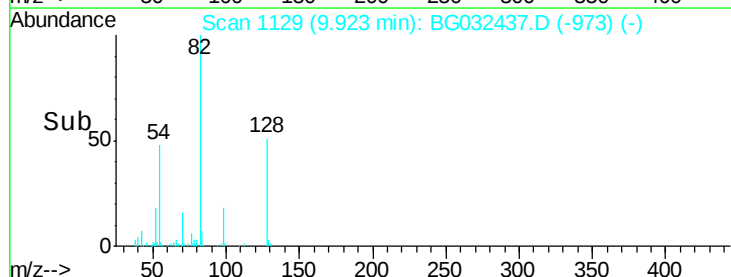
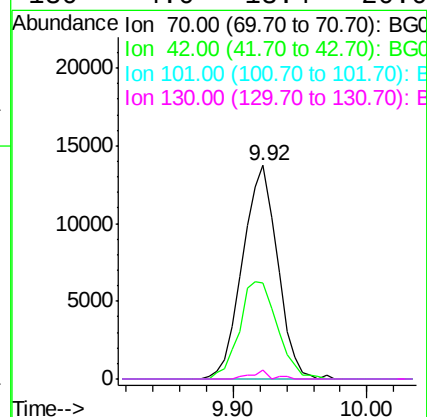
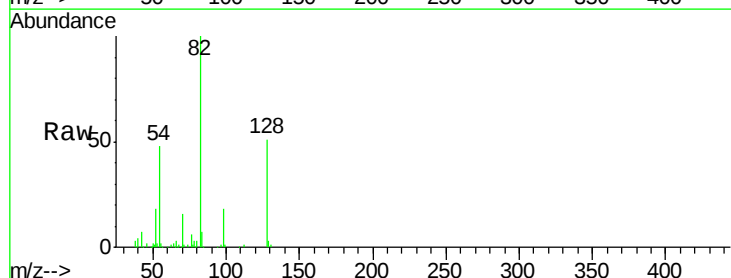
Ion Ratio Lower Upper

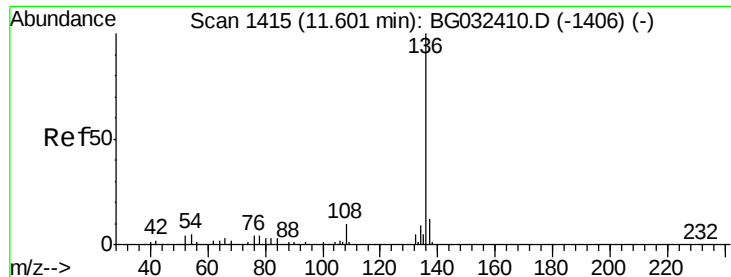
70 100

42 45.2 49.1 73.7#

101 0.0 8.5 12.7#

130 4.0 13.4 20.0#

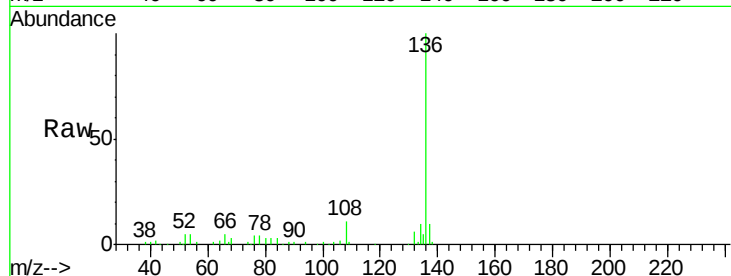




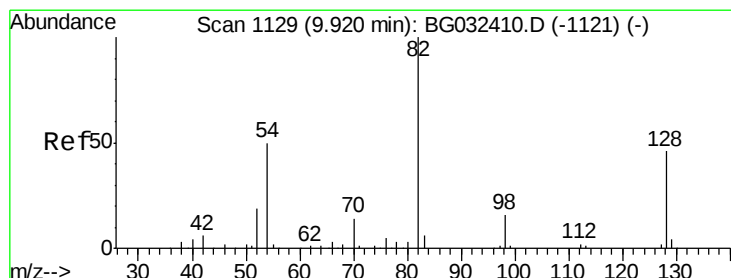
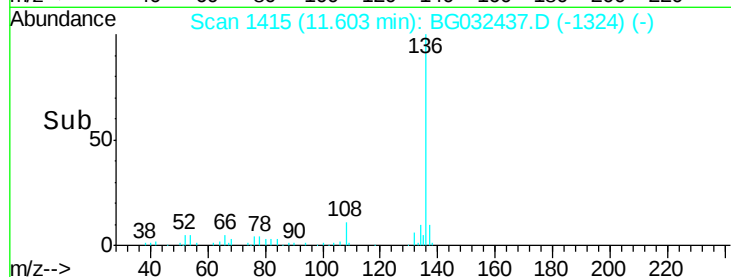
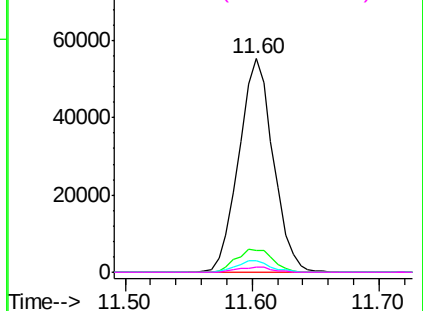
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	104017
Ion	Ratio	Lower Upper
136	100	
137	10.1	9.2 13.8
54	5.5	10.3 15.5#
68	2.7	4.5 6.7#

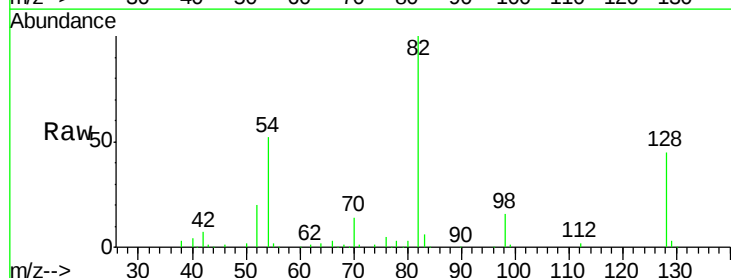


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

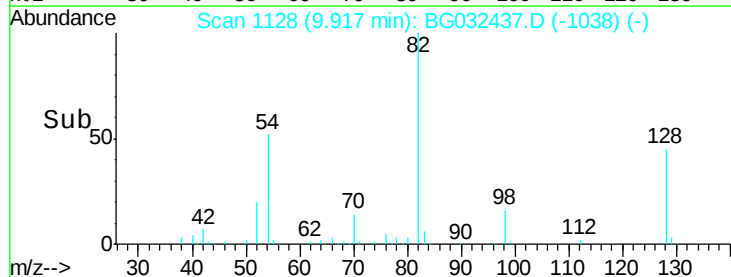
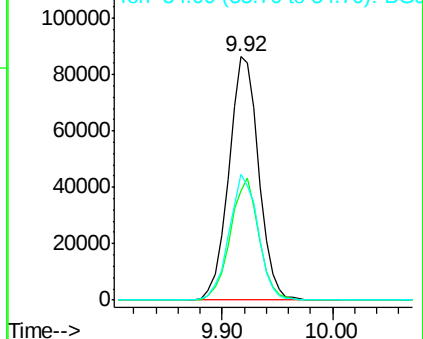


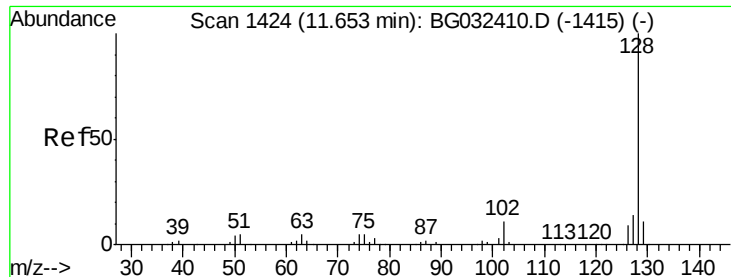
#23
Nitrobenzene-d5
Concen: 98.343 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion: 82	Resp:	163774
Ion	Ratio	Lower Upper
82	100	
128	45.1	29.7 44.5#
54	51.7	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

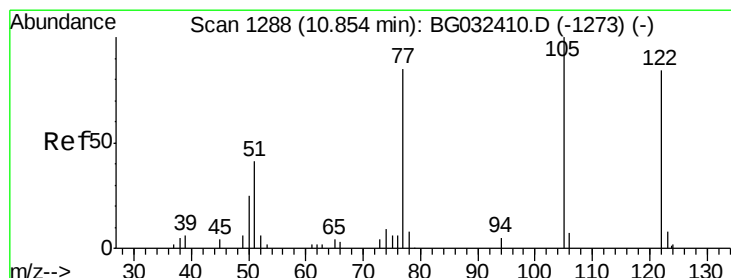
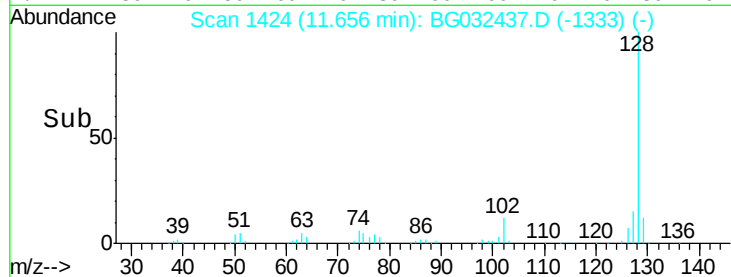
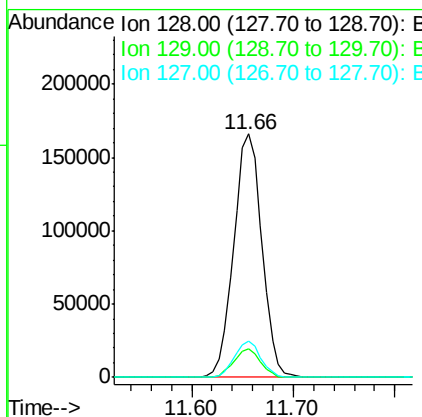
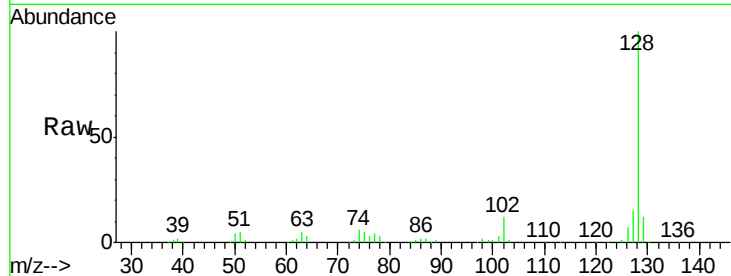




#31
Naphthalene
Concen: 62.912 ng
RT: 11.66 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

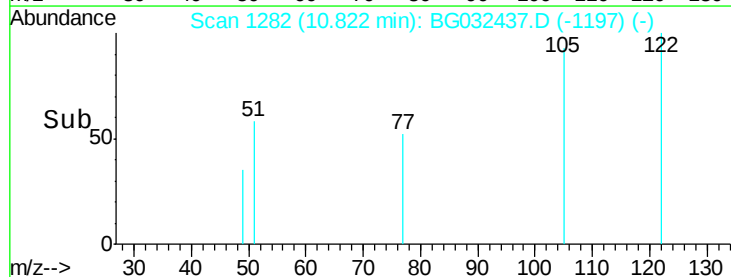
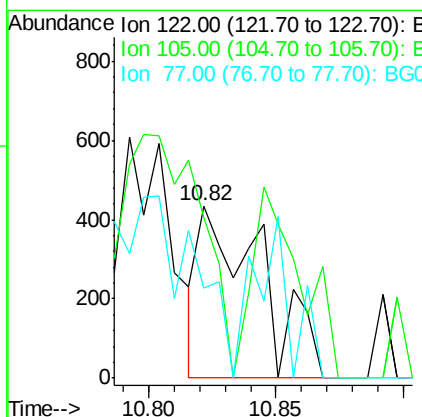
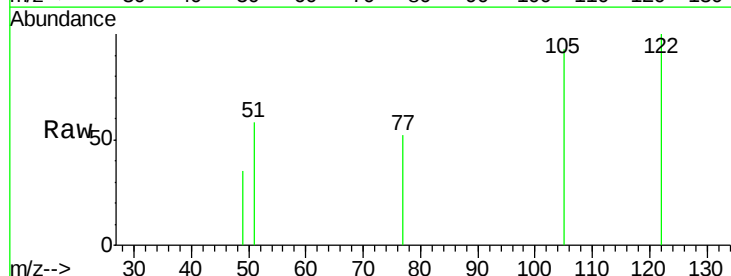
Instrument :
BNA_G
ClientSampleId :

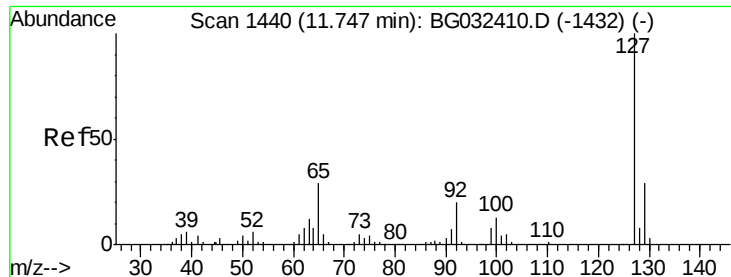
Tot Ion:128 Resp: 319609
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 14.8 11.6 17.4



#32
Benzoic acid
Concen: 7.895 ng
RT: 10.82 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion:122 Resp: 752
Ion Ratio Lower Upper
122 100
105 92.9 123.5 163.5#
77 52.4 85.7 125.7#

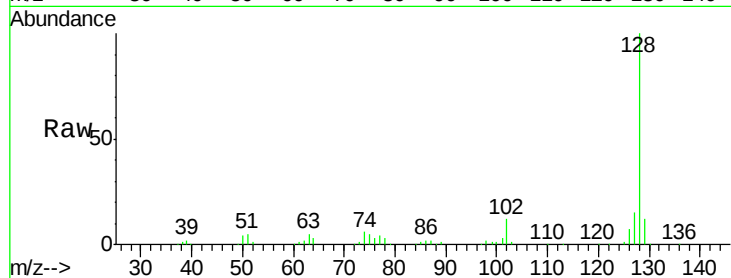




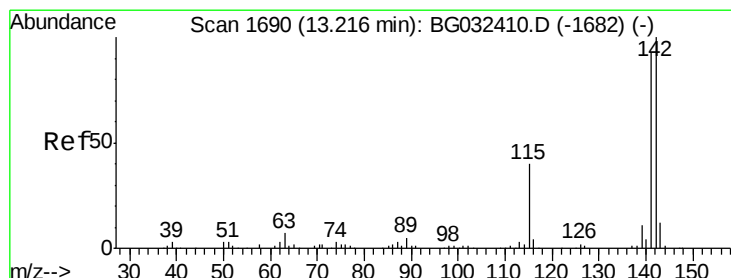
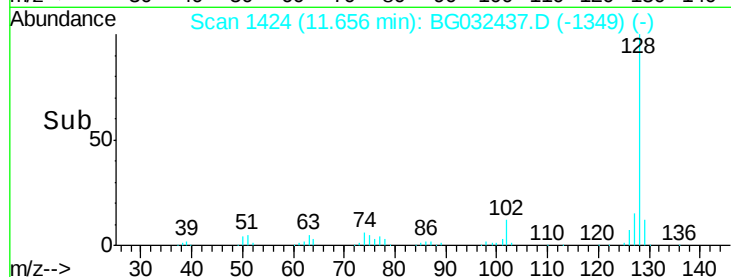
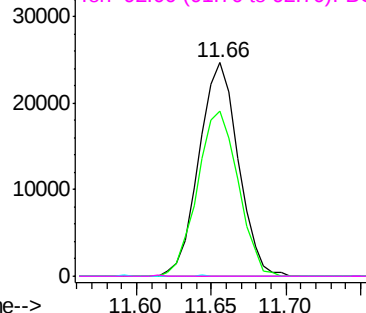
#33
4-Chloroaniline
Concen: 19.867 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.09 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127	Resp:	45017
Ion Ratio	Lower	Upper
127	100	
129	77.5	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#

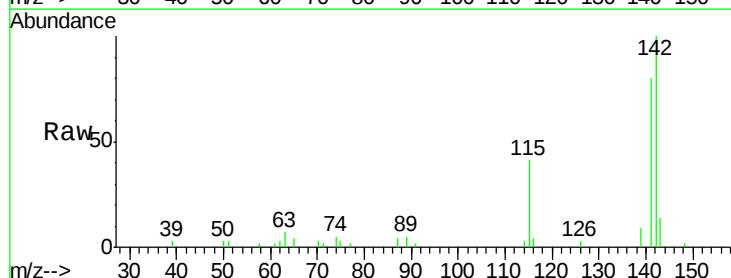


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

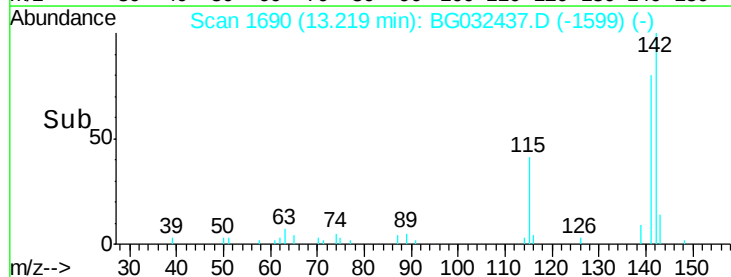
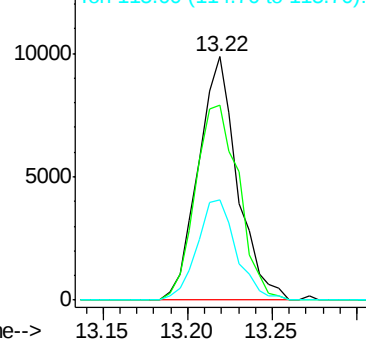


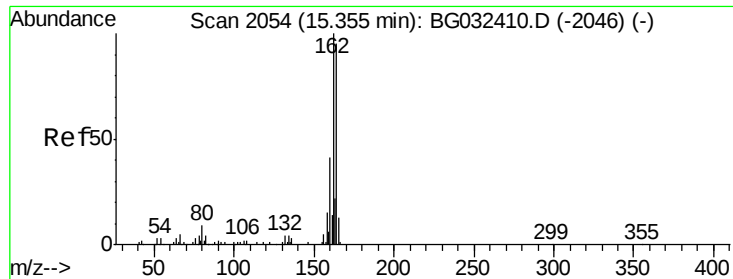
#37
2-Methylnaphthalene
Concen: 3.732 ng
RT: 13.22 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion:142	Resp:	15930
Ion Ratio	Lower	Upper
142	100	
141	80.3	67.1 100.7
115	41.3	30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

Instrument :

BNA_G

ClientSampleId :

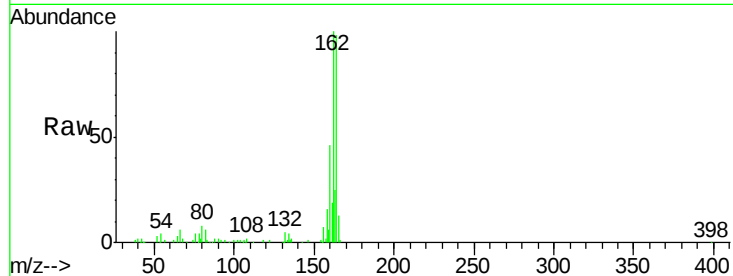
Tot Ion:164 Resp: 80934

Ion Ratio Lower Upper

164 100

162 102.3 78.8 118.2

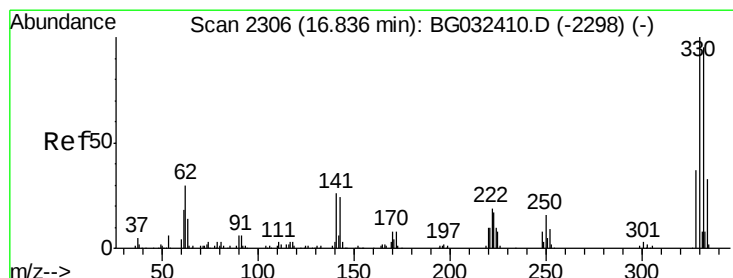
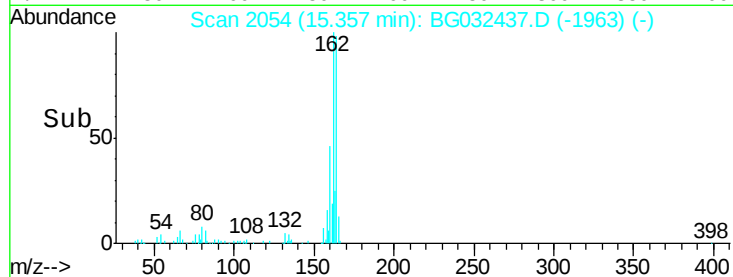
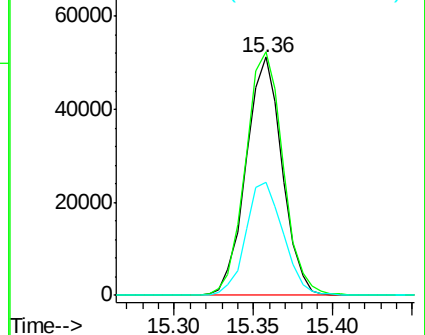
160 47.4 35.4 53.0



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: 144.656 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

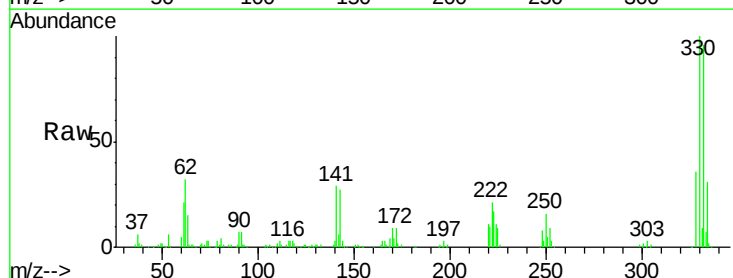
Tgt Ion:330 Resp: 222854

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

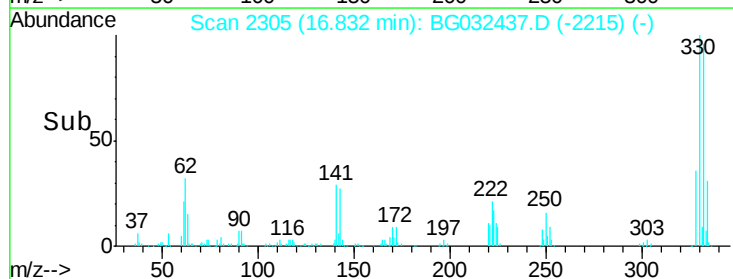
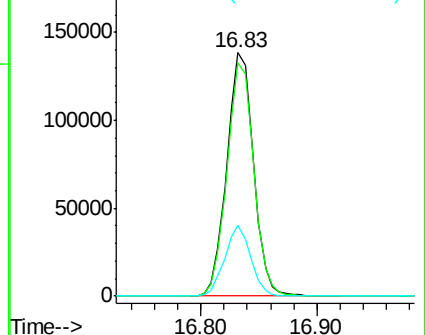
141 28.2 25.2 37.8

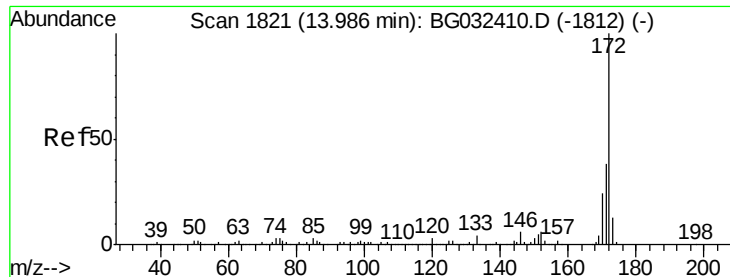


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

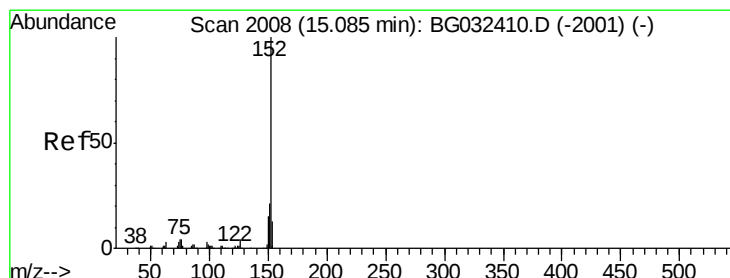
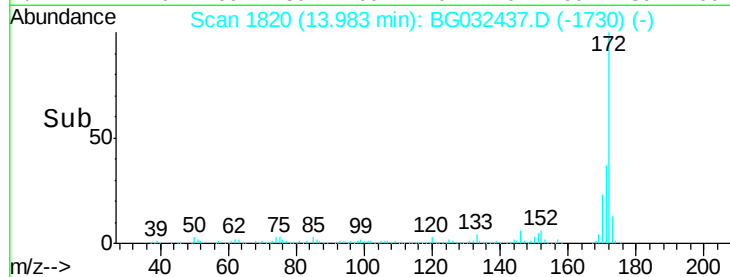
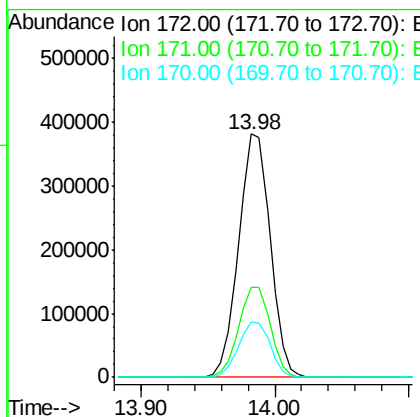
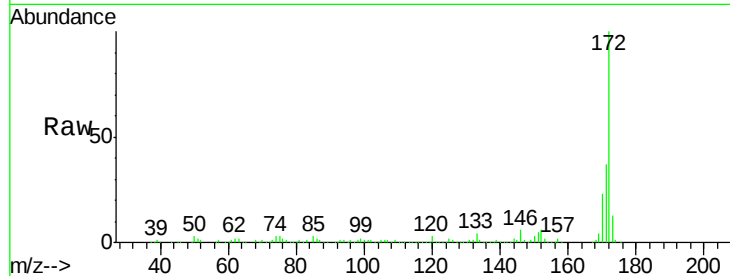




#44
2-Fluorobiphenyl
Concen: 91.785 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

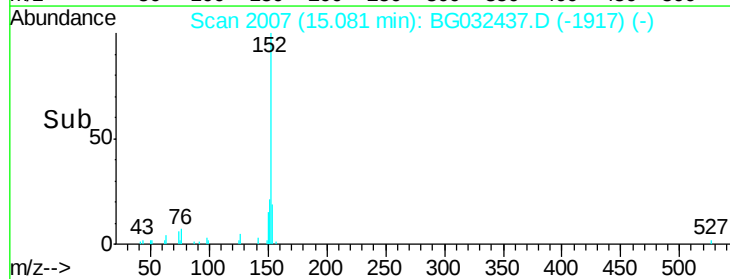
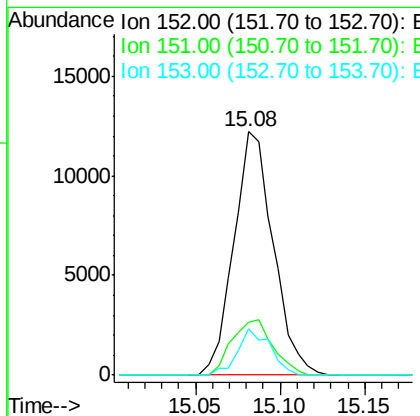
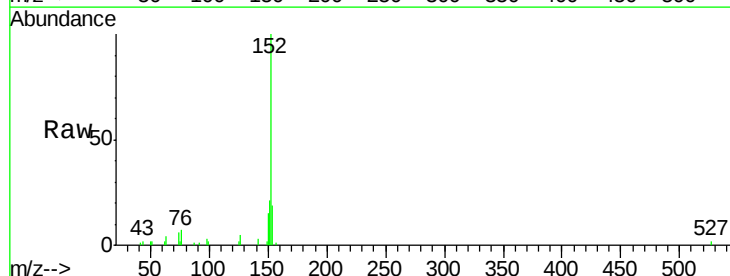
Instrument :
BNA_G
ClientSampleId :

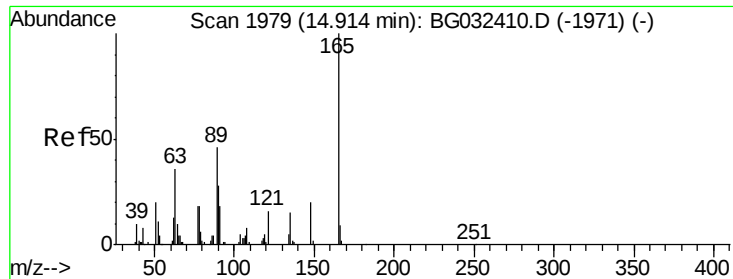
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	22.9	19.5	29.3



#48
Acenaphthylene
Concen: 2.450 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.2	25.8
153	18.9	10.2	15.4

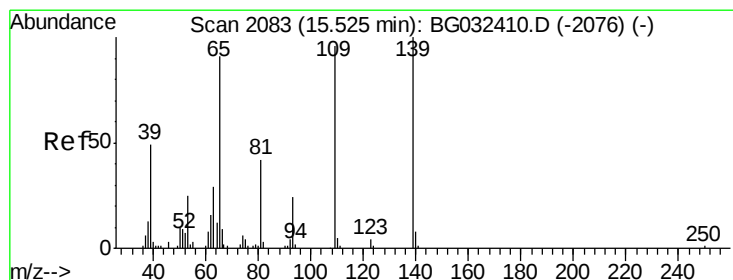
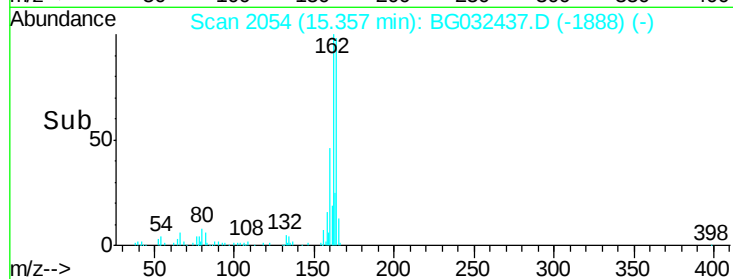
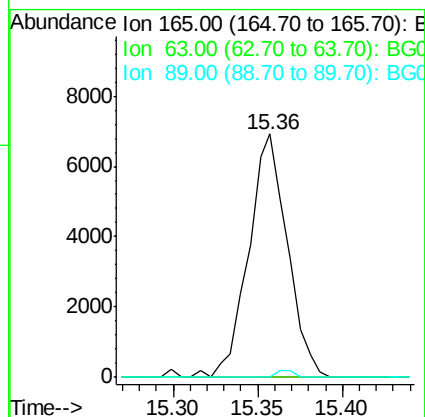
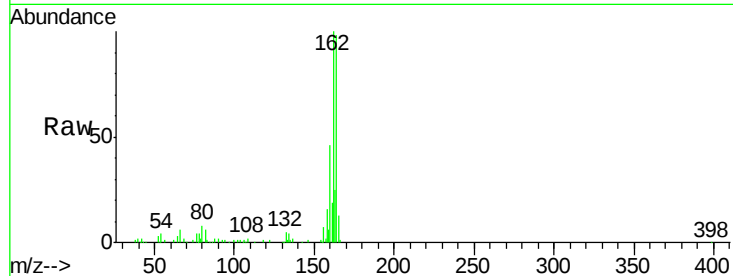




#50
2,6-Dinitrotoluene
Concen: 7.020 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.44 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

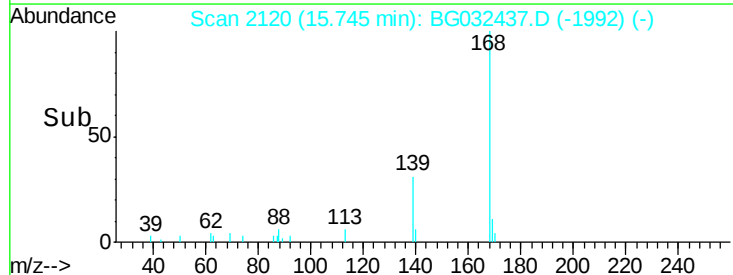
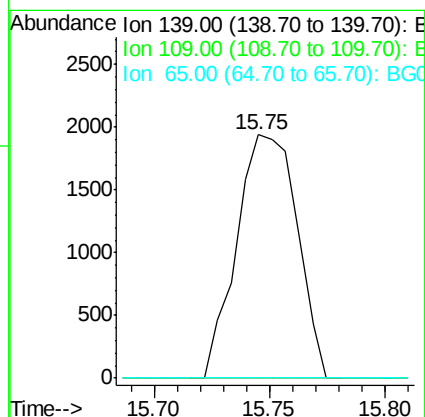
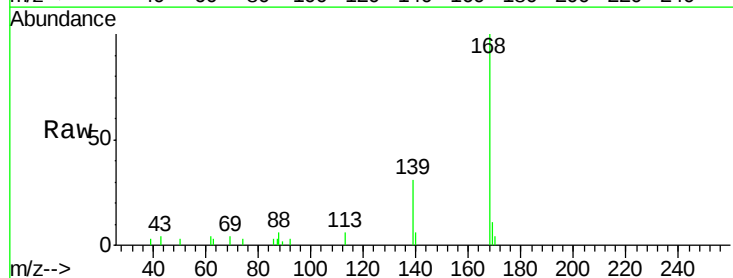
Instrument :
BNA_G
ClientSampleId :

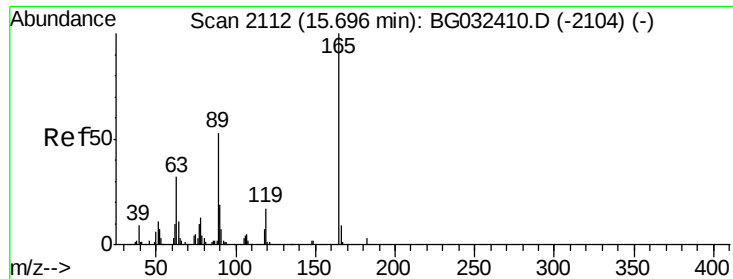
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#55
4-Nitrophenol
Concen: 3.444 ng
RT: 15.75 min Scan# 2120
Delta R.T. 0.22 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

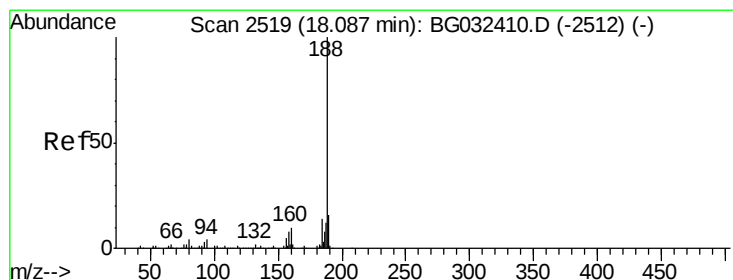
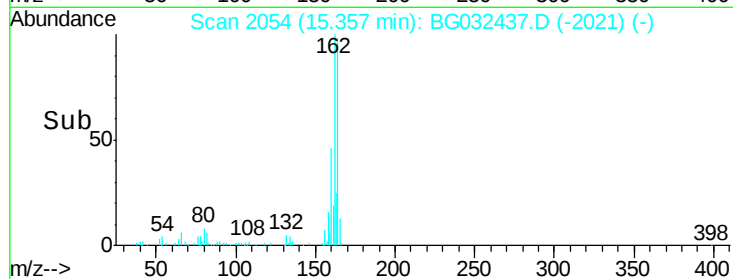
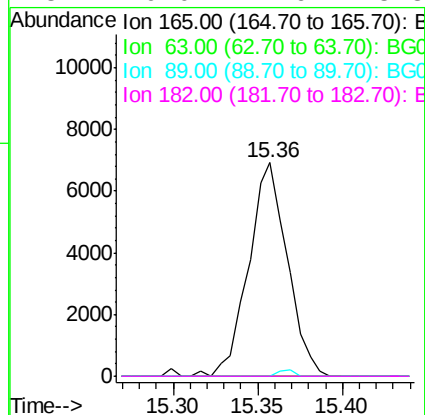
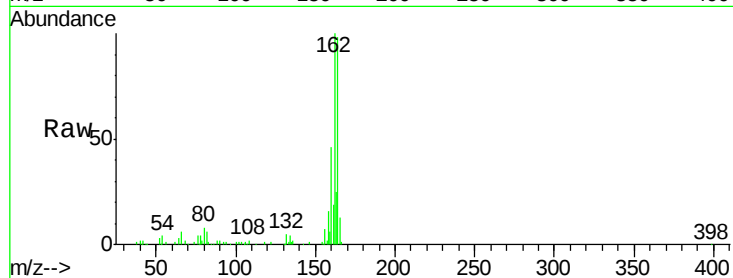




#56
2,4-Dinitrotoluene
Concen: 4.931 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

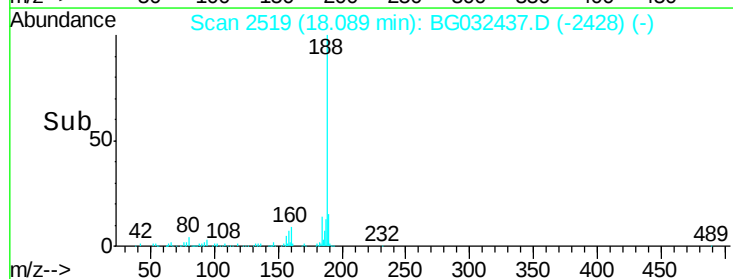
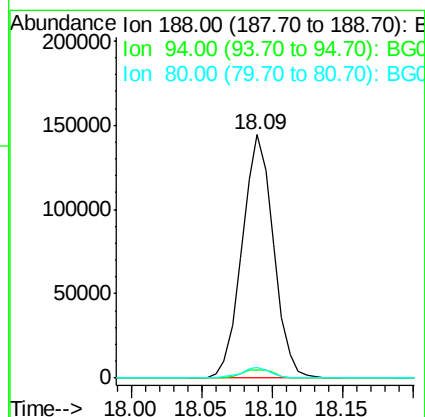
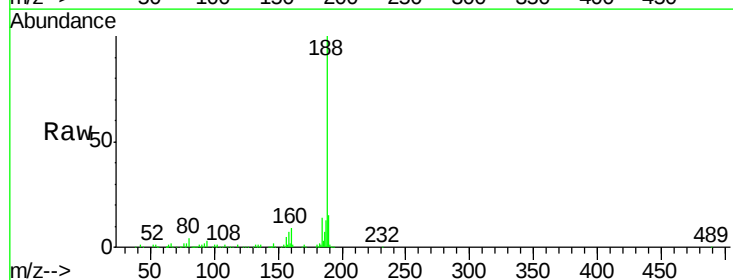
Instrument :
BNA_G
ClientSampleId :

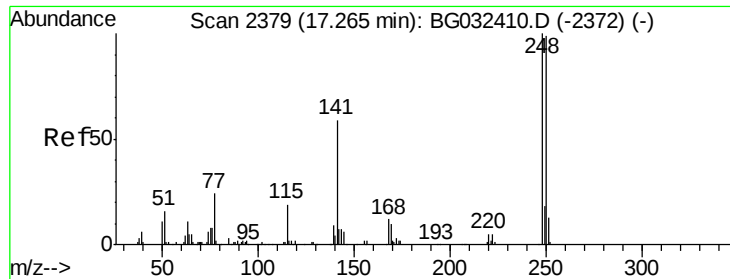
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. 0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.2	6.9	10.3#
80	4.3	7.7	11.5#

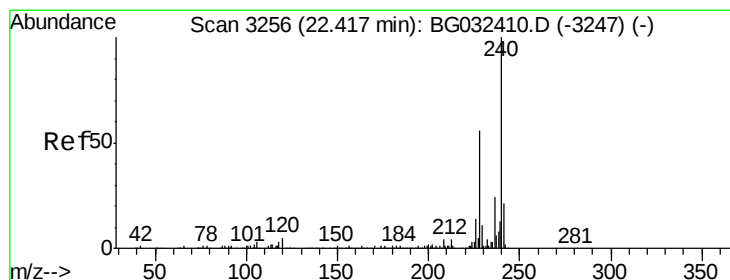
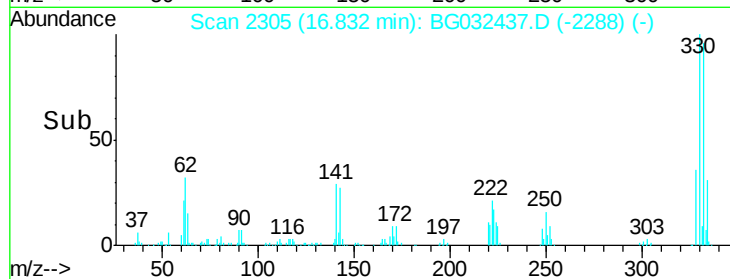
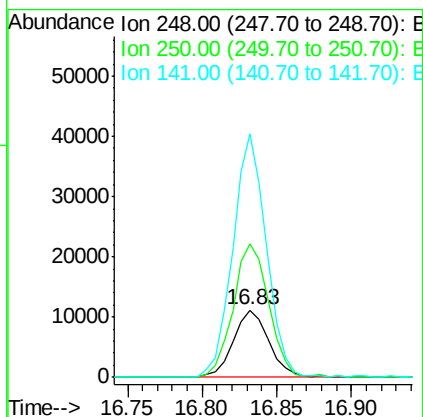
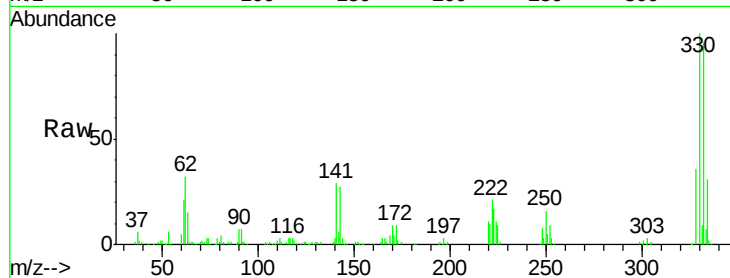




#66
4-Bromophenyl-phenylether
Concen: 5.565 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

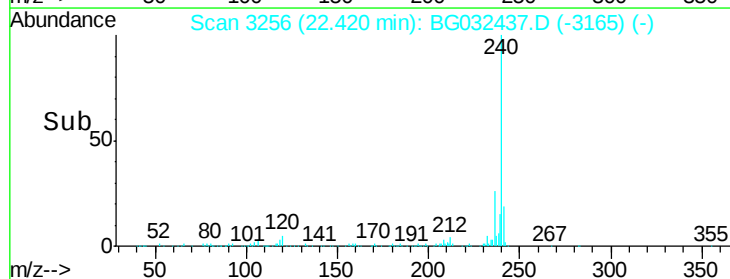
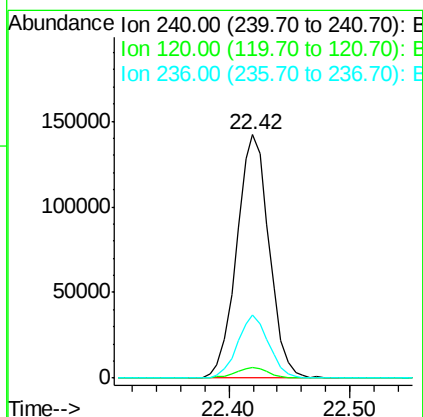
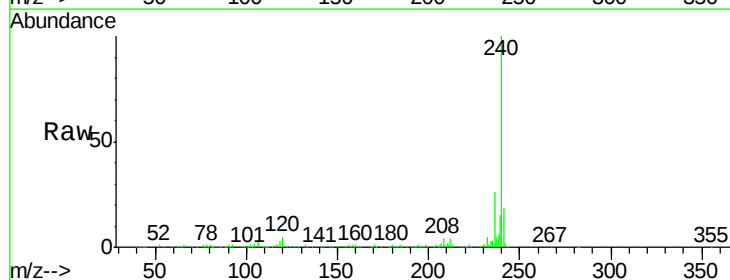
Instrument :
BNA_G
ClientSampled :

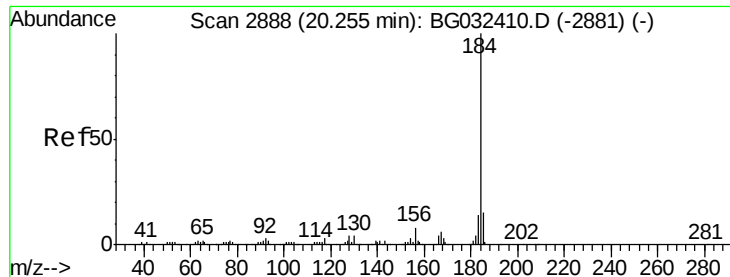
Tot Ion:248 Resp: 18476
Ion Ratio Lower Upper
248 100
250 197.7 77.1 115.7#
141 361.0 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Tgt Ion:240 Resp: 265012
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 26.2 20.9 31.3





#76

Benzidine

Concen: 3.618 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

Instrument :

BNA_G

ClientSampleId :

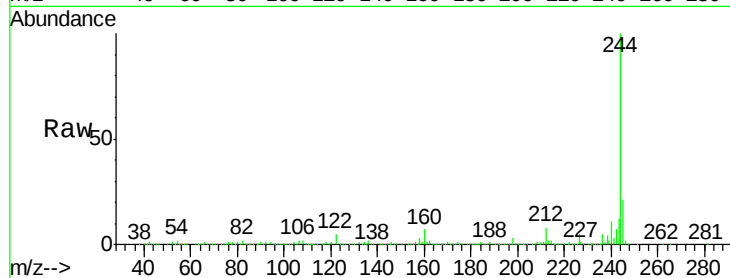
Tot Ion:184 Resp: 18828

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

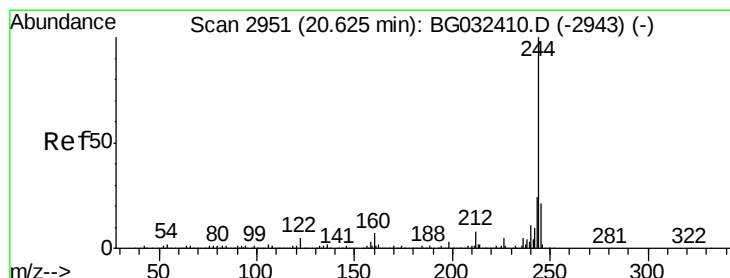
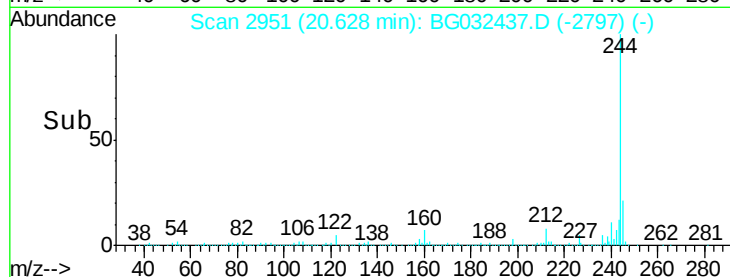
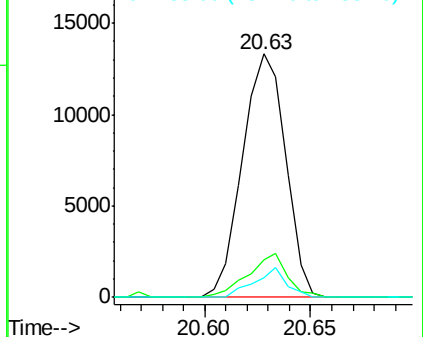
183 8.2 10.6 16.0#



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: 106.565 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032437.D

Acq: 30 Jan 2018 7:48

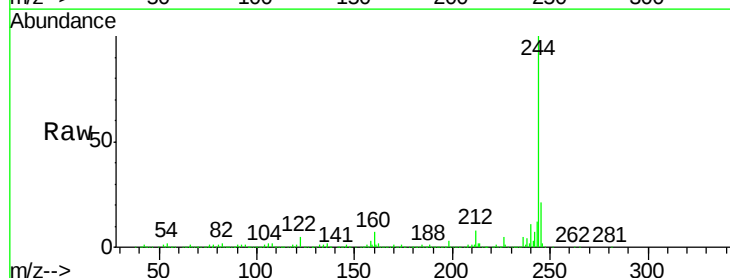
Tgt Ion:244 Resp: 1318385

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

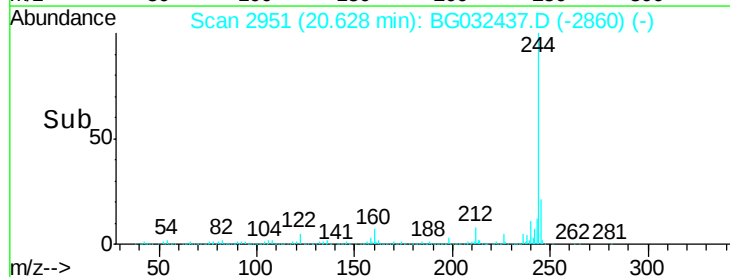
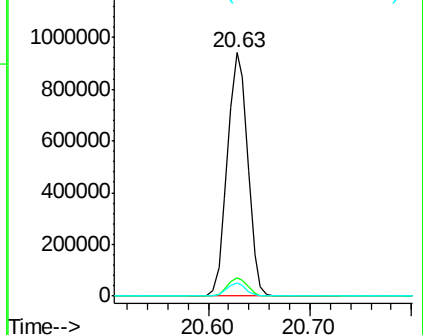
122 5.5 7.0 10.4#

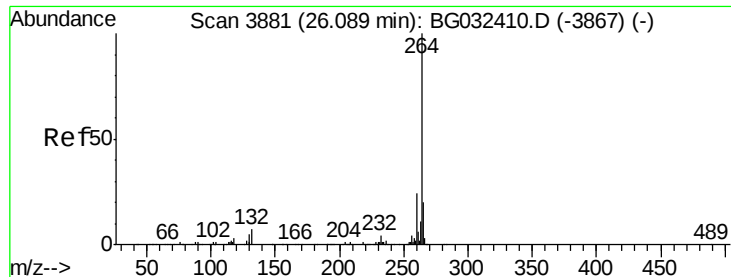


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.10 min Scan# 3883
Delta R.T. 0.01 min
Lab File: BG032437.D
Acq: 30 Jan 2018 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.9	17.7	26.5

