

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032378.D
 Acq On : 28 Jan 2018 5:37
 Operator : SJ/JU
 Sample : J1325-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:07:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	31755	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	118404	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	77860	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	210350	20.00	ng	0.00
75) Chrysene-d12	22.43	240	312593	20.00	ng	0.00
86) Perylene-d12	26.12	264	316655	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	226013	130.17	ng	0.00
7) Phenol-d6	7.84	99	237600	108.66	ng	0.00
23) Nitrobenzene-d5	9.92	82	193629	110.64	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	219976	170.74	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	653659	104.10	ng	0.00
78) Terphenyl-d14	20.63	244	1457326	102.94	ng	0.00

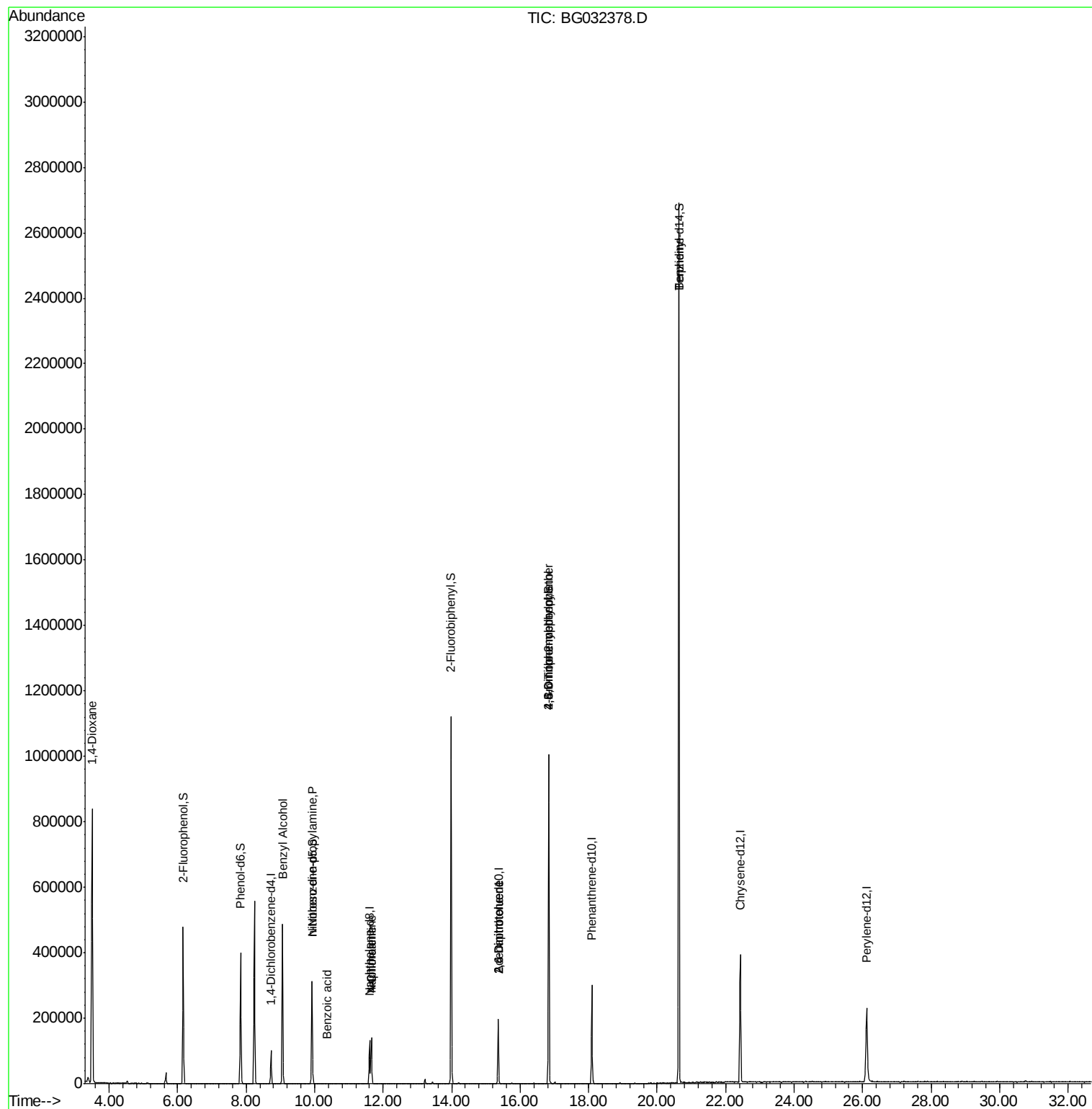
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	10440	15.651	ng	# 1
15) Benzyl Alcohol	9.05	79	4068	2.561	ng	# 46
19) n-Nitroso-di-n-propylamine	9.92	70	28802	21.229	ng	# 75
31) Naphthalene	11.66	128	130001	22.164	ng	# 99
32) Benzoic acid	10.38	122	57	5.295	ng	# 1
33) 4-Chloroaniline	11.66	127	18900	7.514	ng	# 43
50) 2,6-Dinitrotoluene	15.36	165	10906	7.712	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	10906	5.728	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	580	5.271	ng	# 38
66) 4-Bromophenyl-phenylether	16.83	248	18417	6.154	ng	# 1
76) Benzidine	20.63	184	21905	2.802	ng	# 92

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

Instrument :

BNA_G

ClientSampleId :

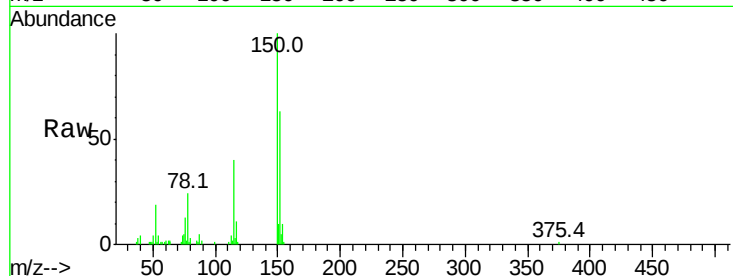
Tot Ion:152 Resp: 31755

Ion Ratio Lower Upper

152 100

150 158.6 126.6 189.8

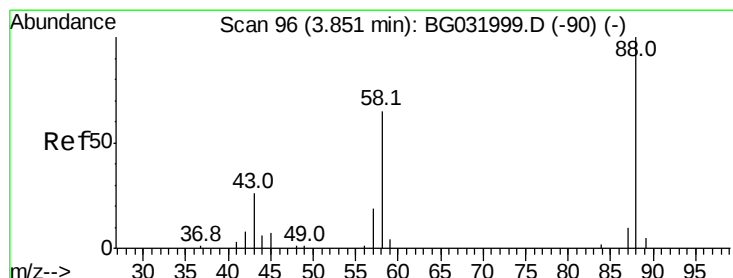
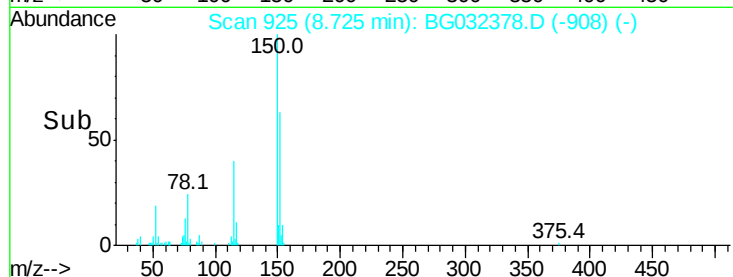
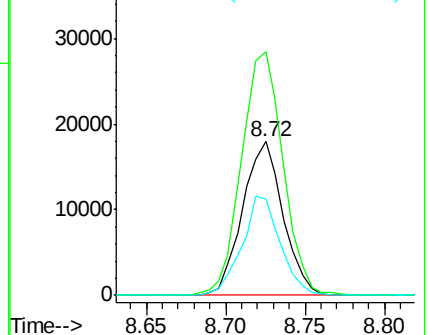
115 63.2 53.0 79.4



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: 15.651 ng

RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

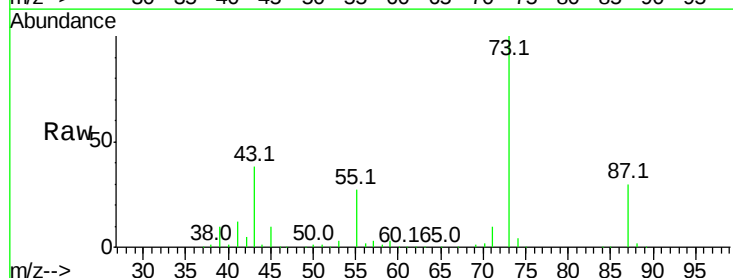
Tgt Ion: 88 Resp: 10440

Ion Ratio Lower Upper

88 100

58 35.8 79.6 119.4#

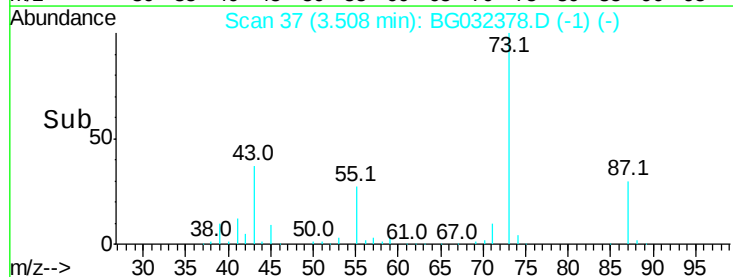
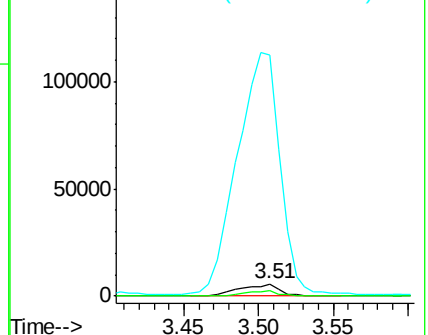
43 2147.4 27.4 41.0#

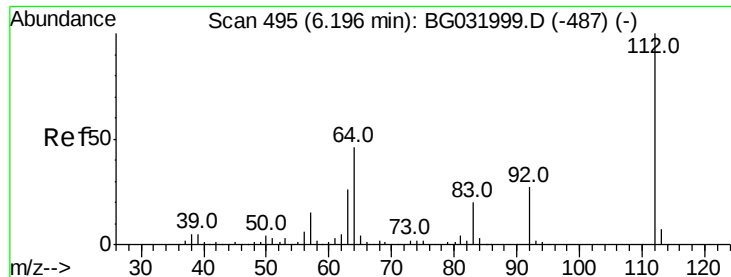


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.172 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032378.D

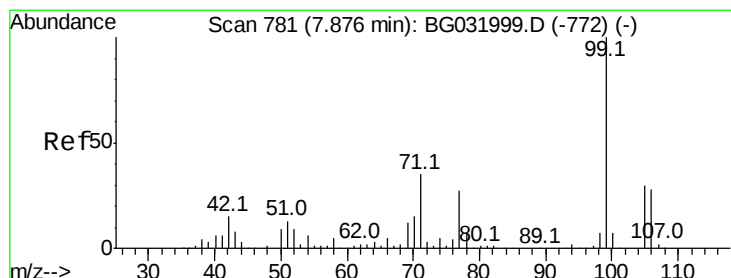
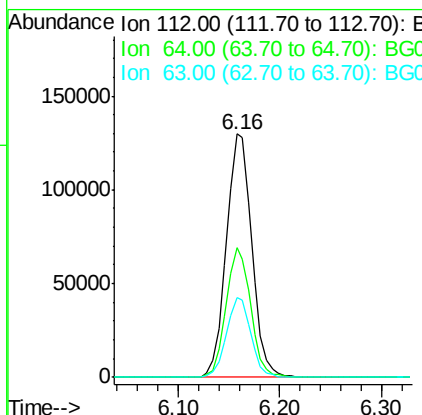
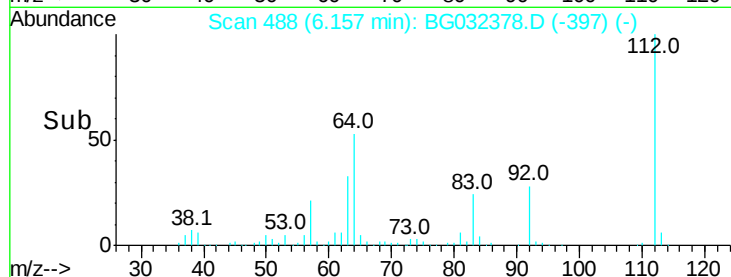
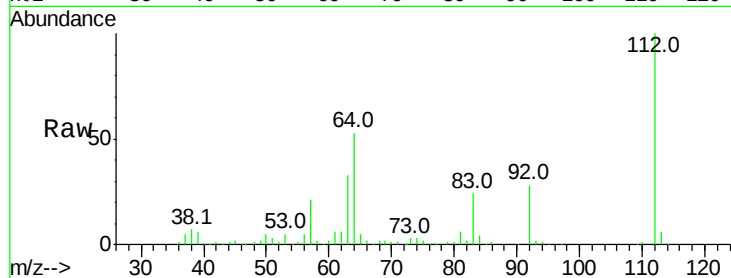
Acq: 28 Jan 2018 5:37

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	226013
Ion Ratio	Lower	Upper	
112	100		
64	53.1	56.3	84.5#
63	32.9	30.1	45.1



#7

Phenol-d6

Concen: 108.656 ng

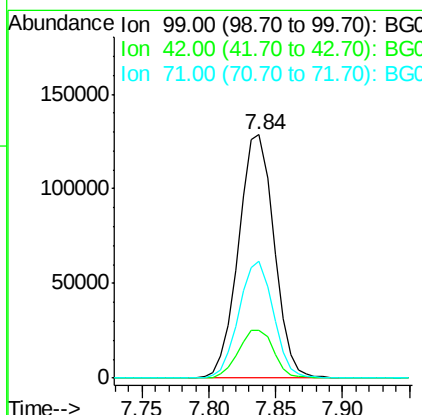
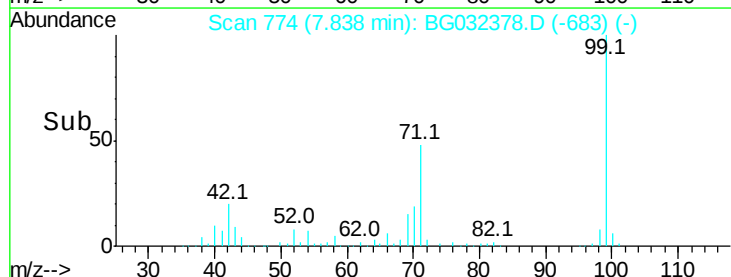
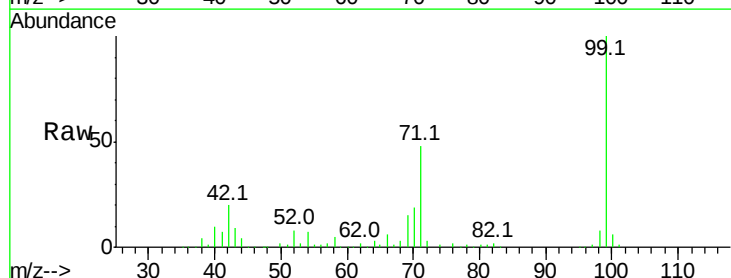
RT: 7.84 min Scan# 774

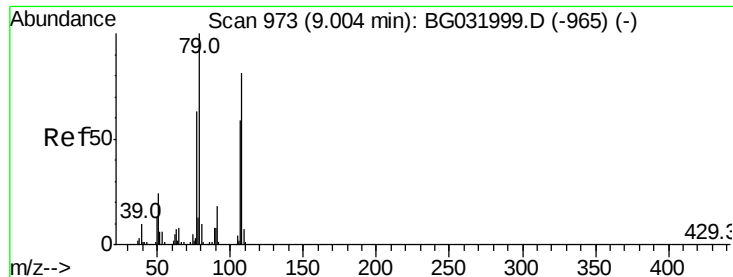
Delta R.T. 0.00 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

Tgt Ion:	99	Resp:	237600
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.1	21.1
71	48.1	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.561 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

Instrument :

BNA_G

ClientSampleId :

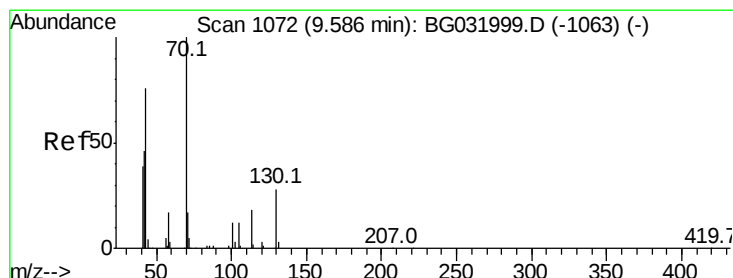
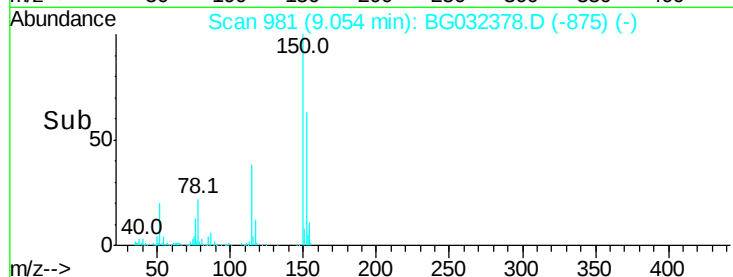
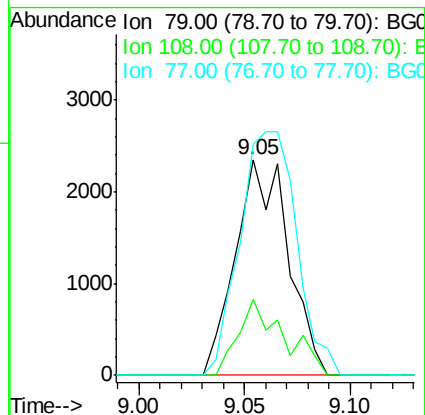
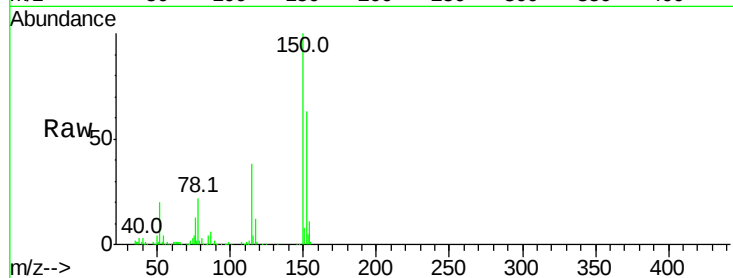
Tot Ion: 79 Resp: 4068

Ion Ratio Lower Upper

79 100

108 35.4 57.2 85.8#

77 107.1 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 21.229 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

Tgt Ion: 70 Resp: 28802

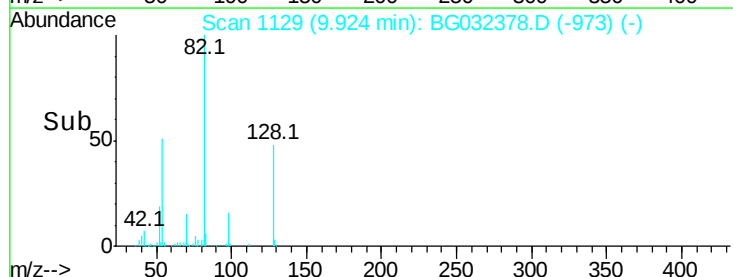
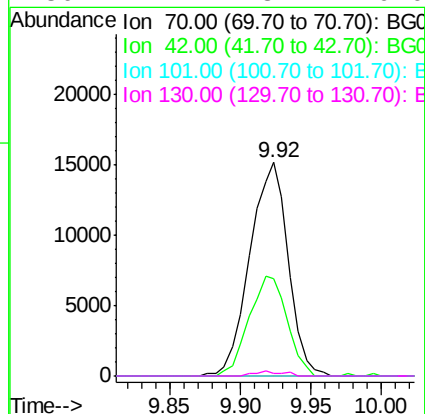
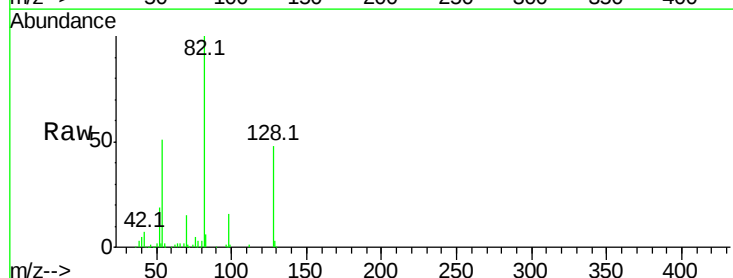
Ion Ratio Lower Upper

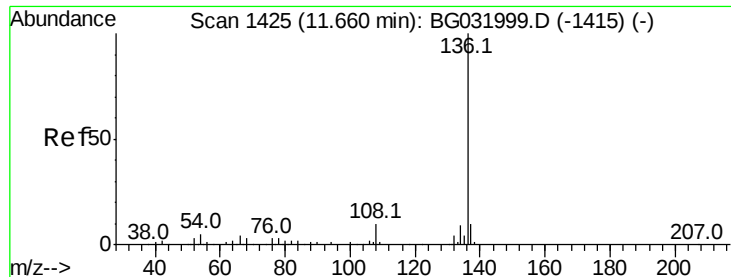
70 100

42 45.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

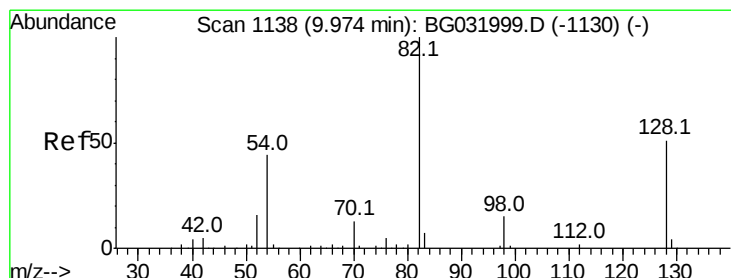
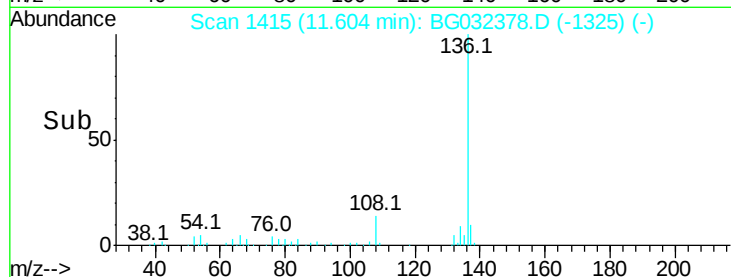
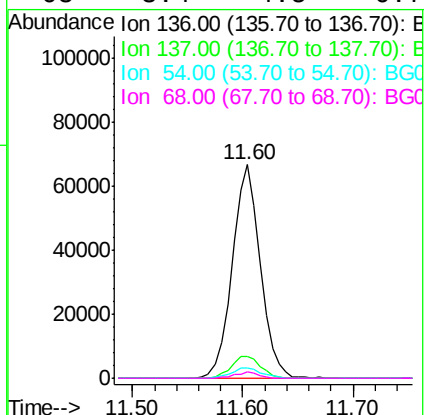
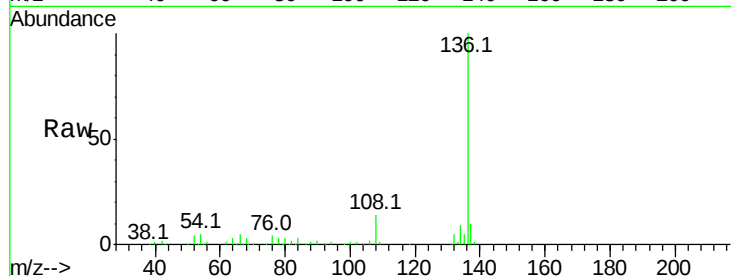




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

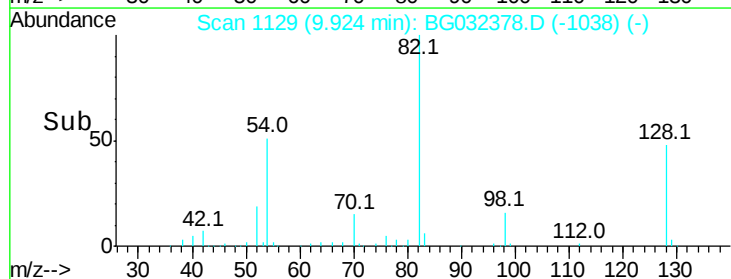
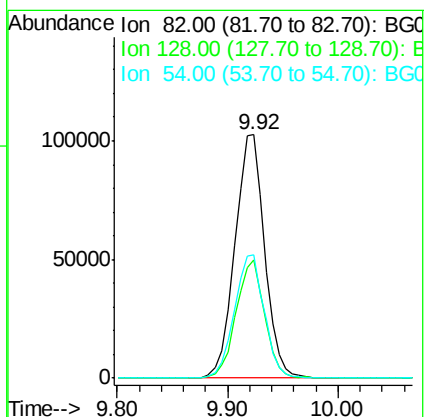
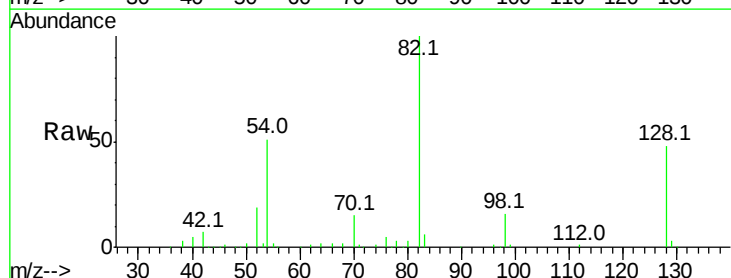
Instrument :
BNA_G
ClientSampleId :

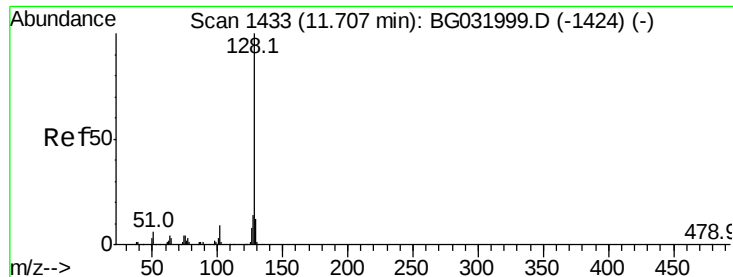
Tot Ion:136	Resp:	118404
Ion Ratio	Lower	Upper
136	100	
137	10.2	9.2 13.8
54	4.6	10.3 15.5#
68	3.4	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 110.637 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

Tgt Ion: 82	Resp:	193629
Ion Ratio	Lower	Upper
82	100	
128	48.5	29.7 44.5#
54	50.6	43.1 64.7

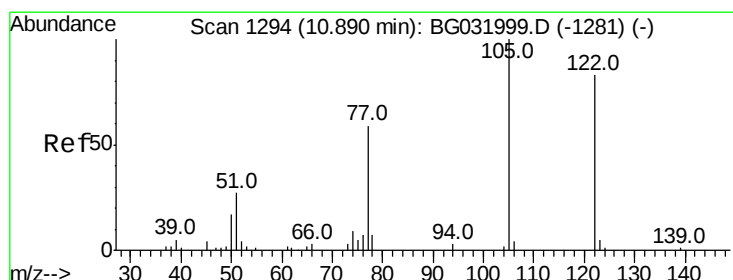
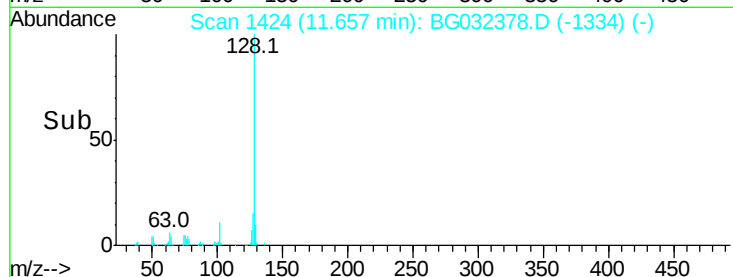
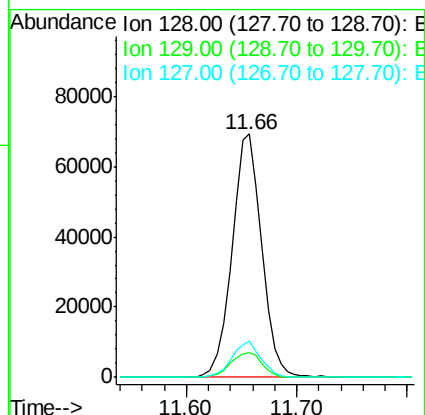
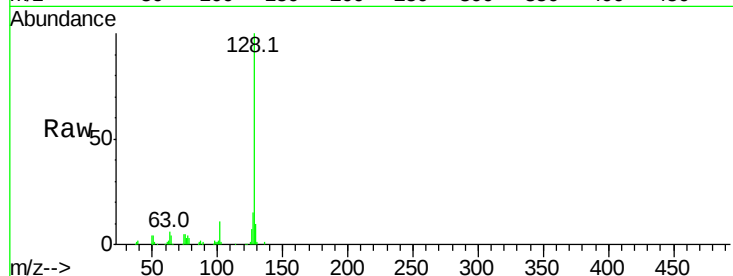




#31
Naphthalene
Concen: 22.164 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

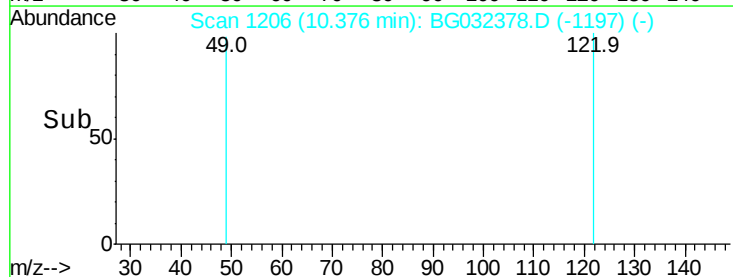
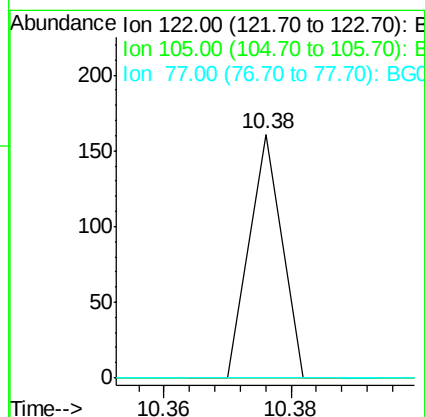
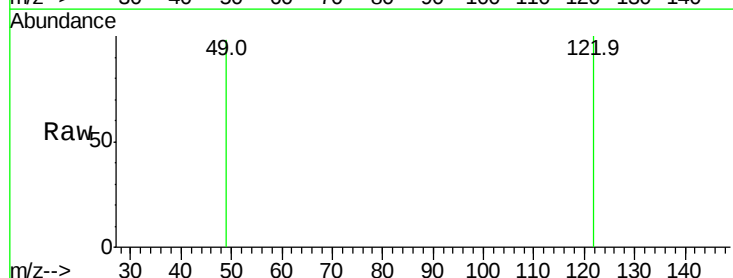
Instrument :
BNA_G
ClientSampleId :

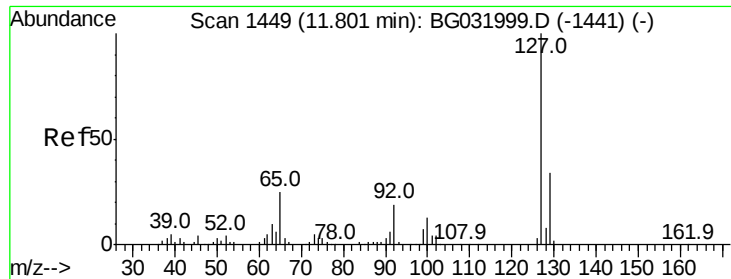
Tot Ion:128 Resp: 130001
Ion Ratio Lower Upper
128 100
129 10.2 8.6 12.8
127 15.0 11.6 17.4



#32
Benzoic acid
Concen: 5.295 ng
RT: 10.38 min Scan# 1206
Delta R.T. -0.48 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

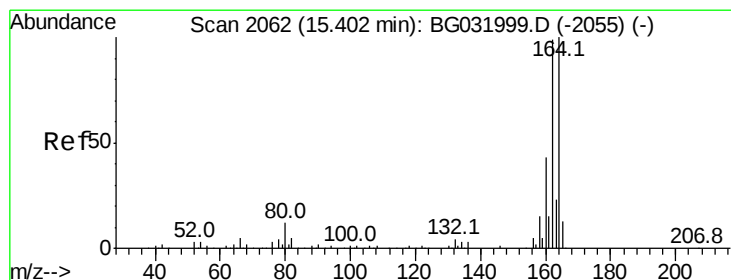
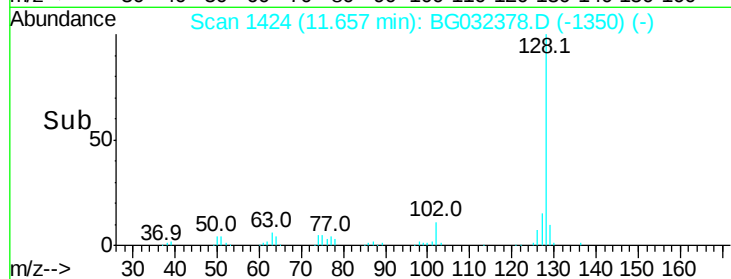
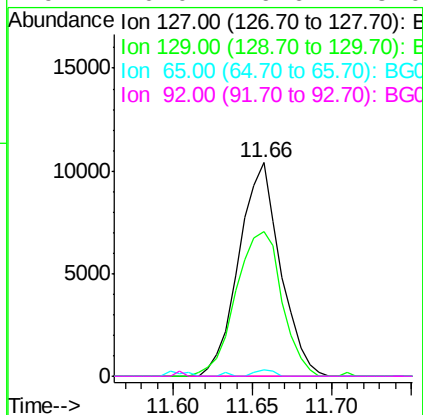
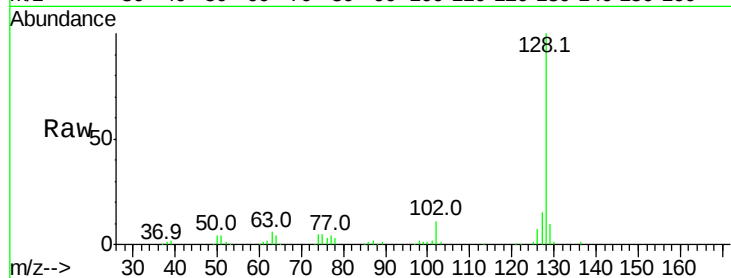




#33
4-Chloroaniline
Concen: 7.514 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

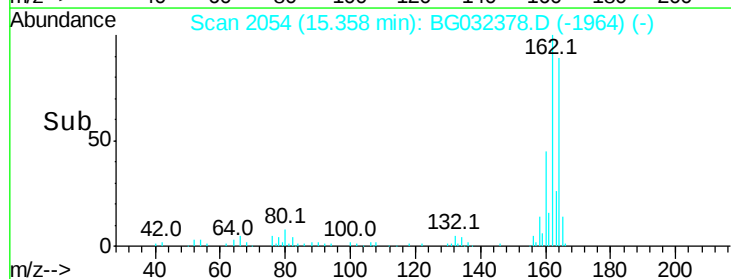
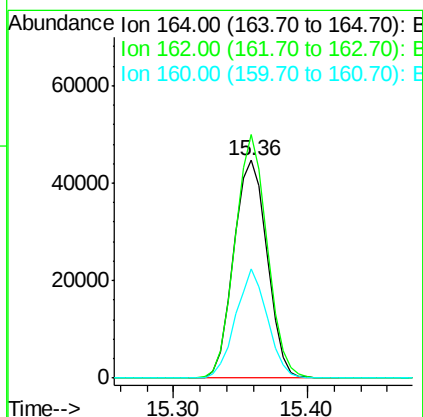
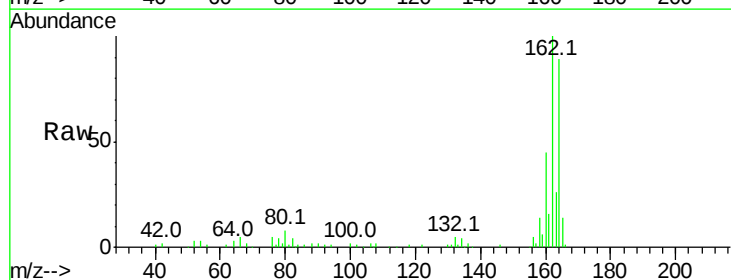
Instrument :
BNA_G
ClientSampleId :

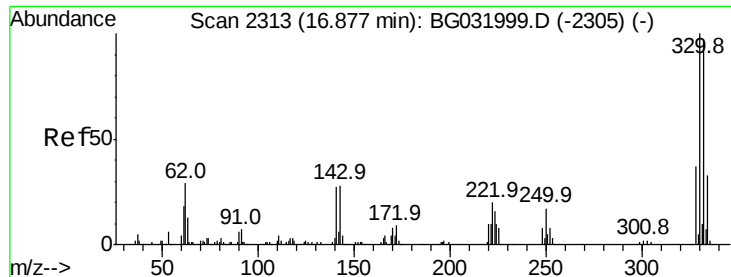
Tot Ion	Ratio	Lower	Upper
127	100		
129	67.7	24.0	36.0#
65	2.9	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG032378.D
Acq: 28 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.9	78.8	118.2
160	50.1	35.4	53.0

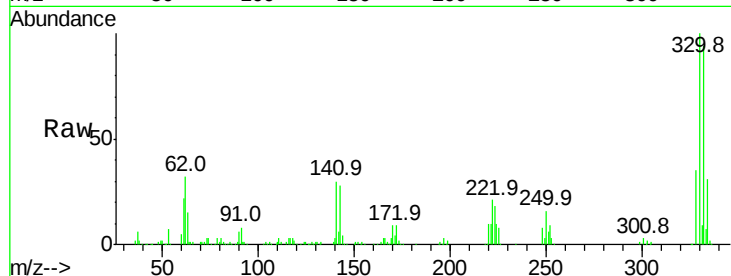




#41
 2,4,6-Tribromophenol
 Concen: 170.736 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	29.3	25.2	37.8

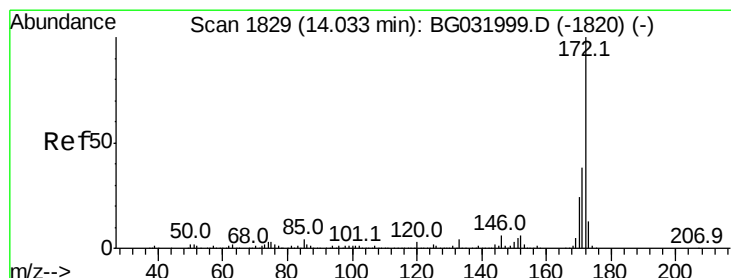
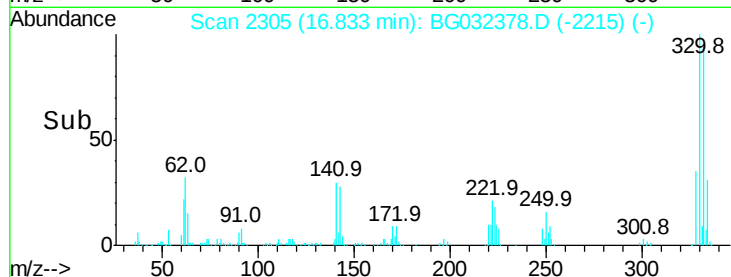
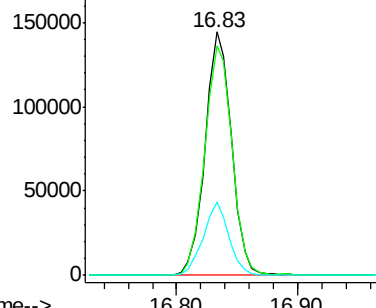


Abundance

Ion 329.80 (329.50 to 330.50): E

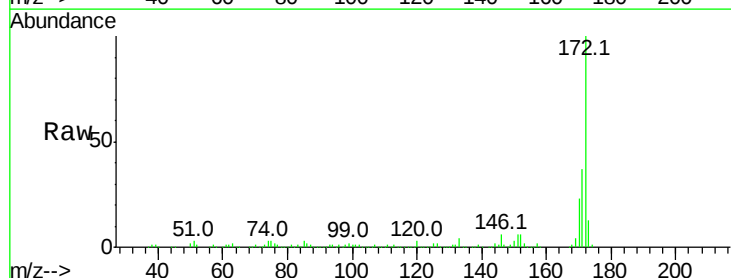
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 104.098 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.0	19.5	29.3

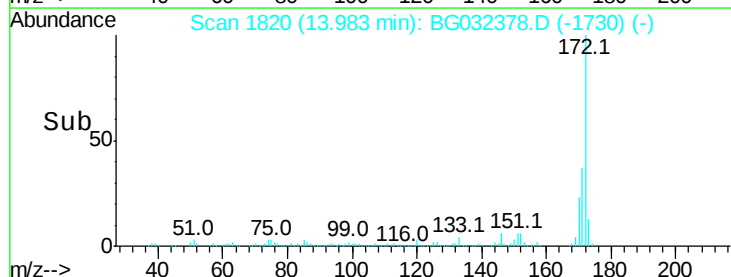
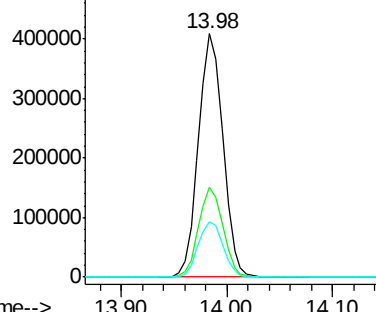


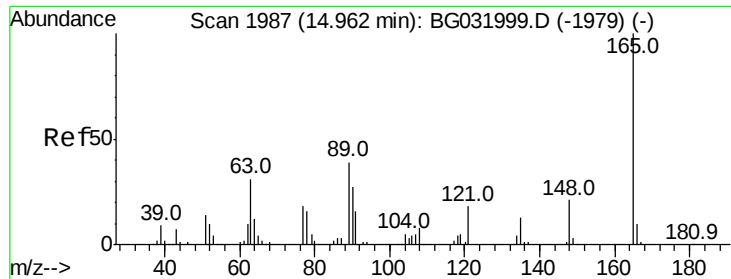
Abundance

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

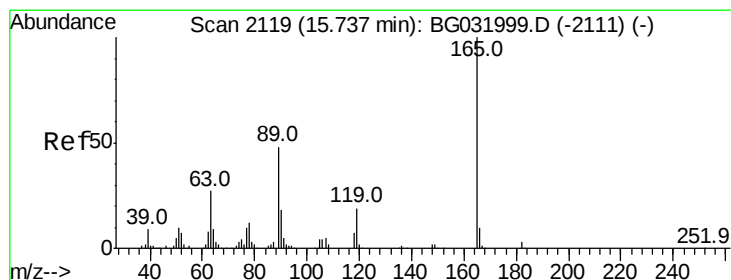
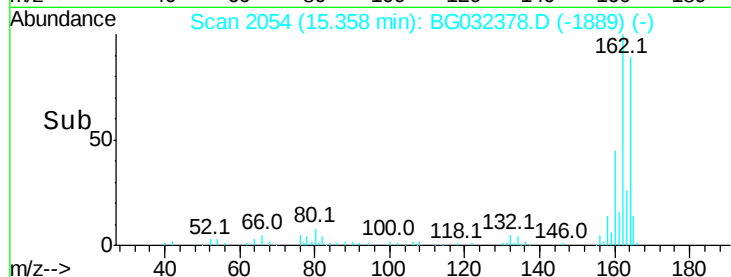
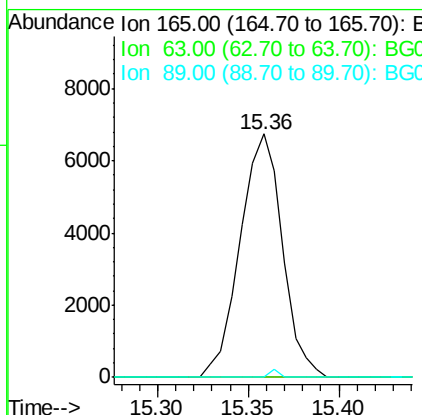
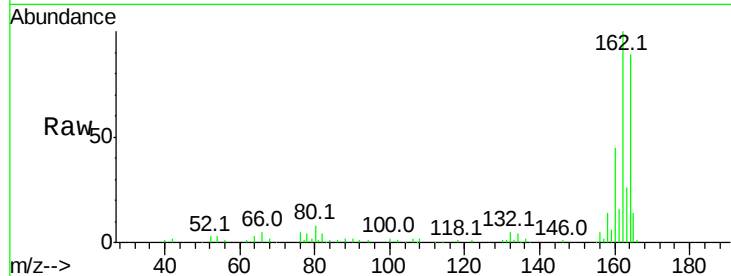




#50
 2,6-Dinitrotoluene
 Concen: 7.712 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

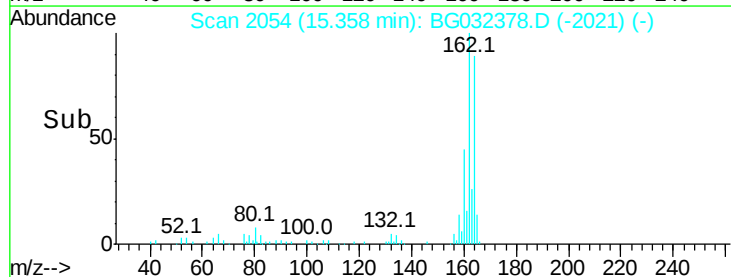
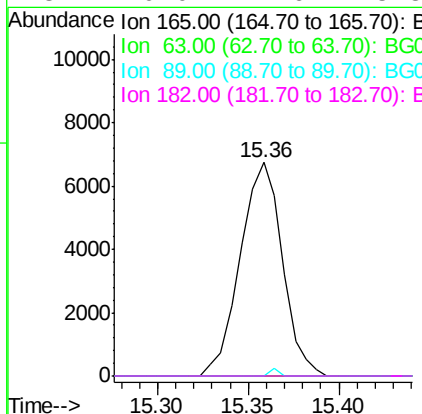
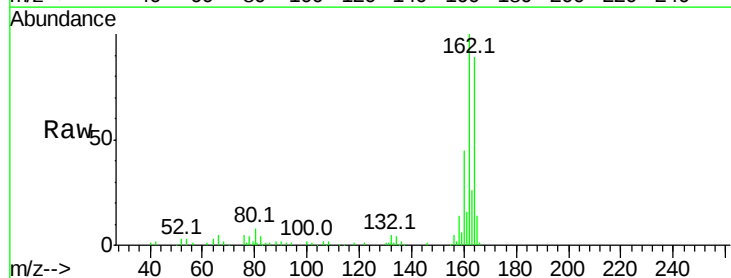
Instrument :
 BNA_G
 ClientSampled :

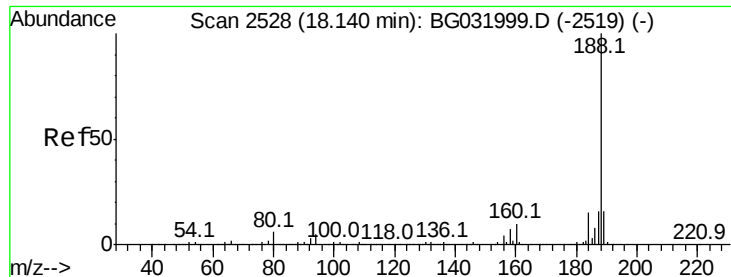
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.728 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Tgt 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: BG032378.D

Acq: 28 Jan 2018 5:37

Instrument :

BNA_G

ClientSampleId :

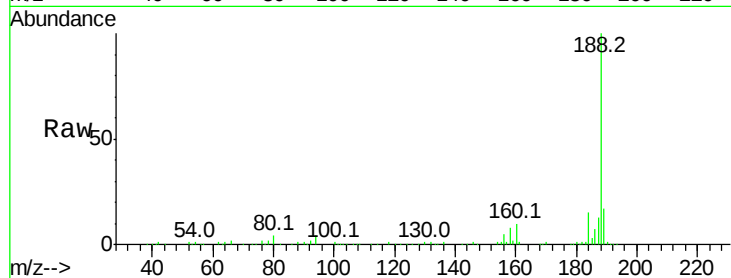
Tot Ion:188 Resp: 210350

Ion Ratio Lower Upper

188 100

94 3.6 6.9 10.3#

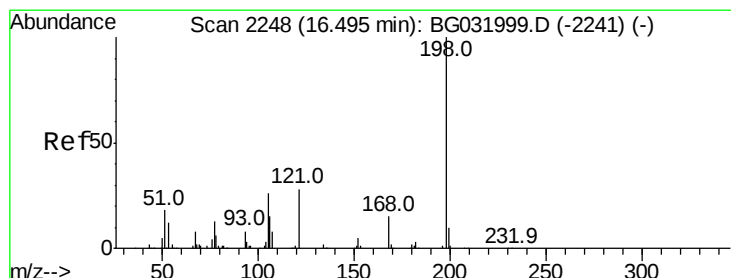
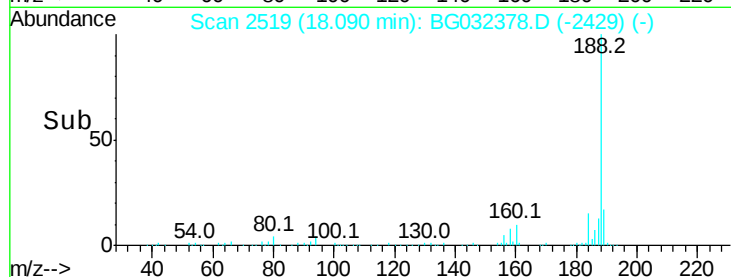
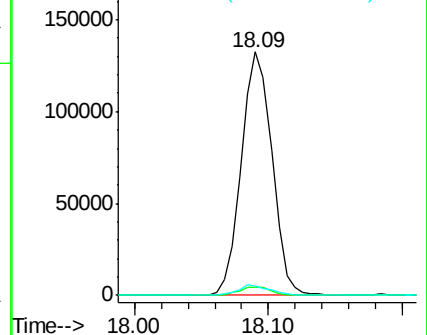
80 4.0 7.7 11.5#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.271 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

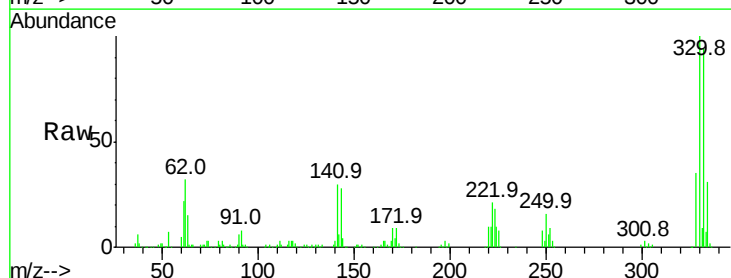
Tgt Ion:198 Resp: 580

Ion Ratio Lower Upper

198 100

51 86.8 30.6 70.6#

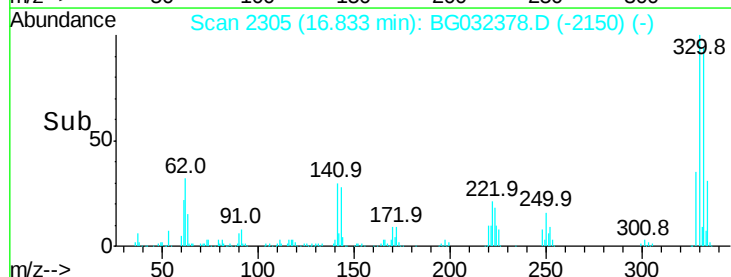
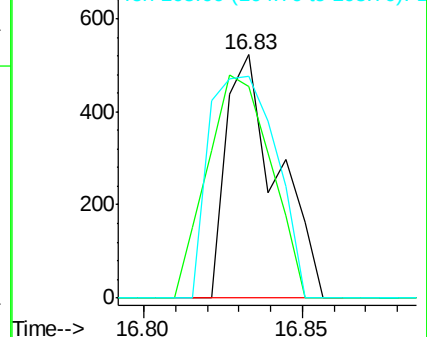
105 90.8 23.8 63.8#

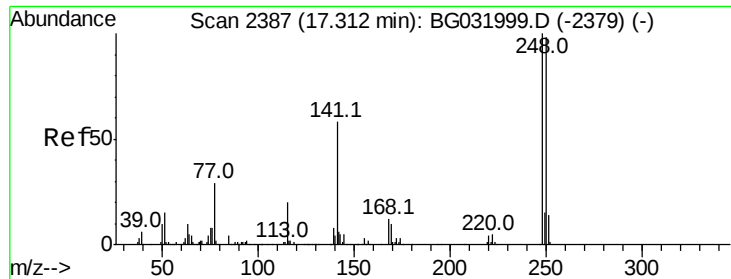


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

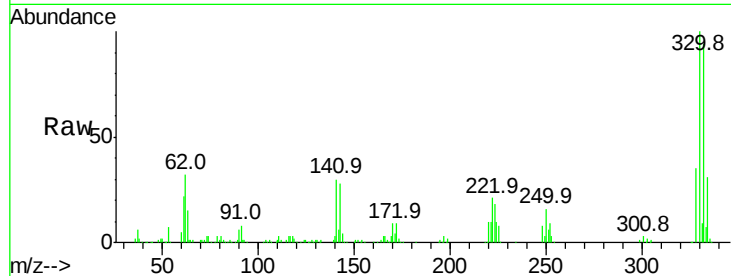




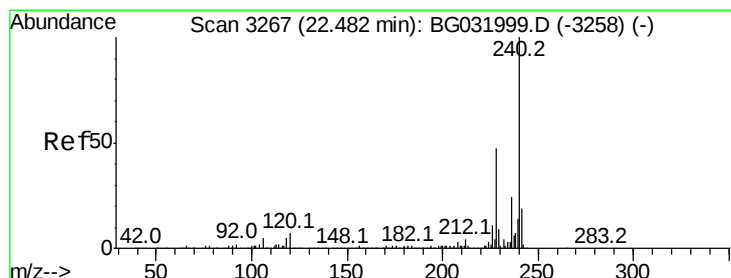
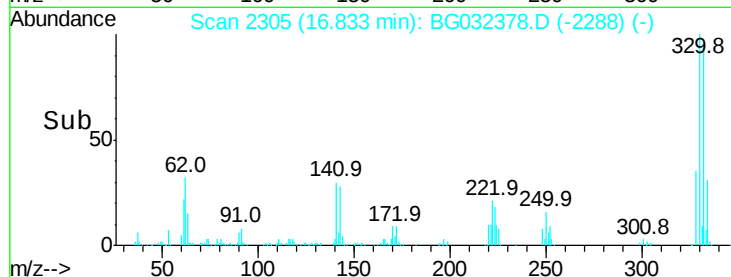
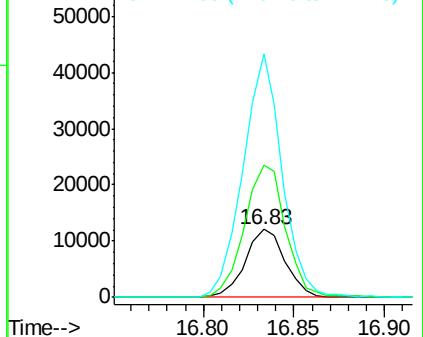
#66
 4-Bromophenyl-phenylether
 Concen: 6.154 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18417
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.1 115.7#
 141 357.0 50.8 76.2#

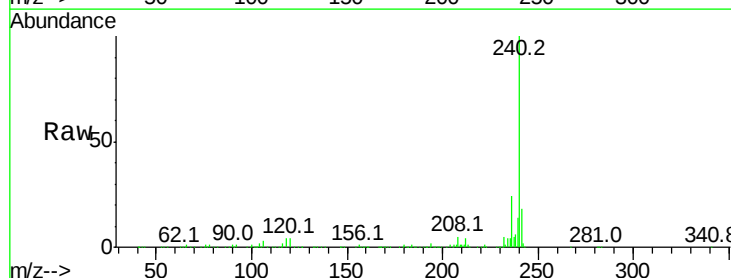


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

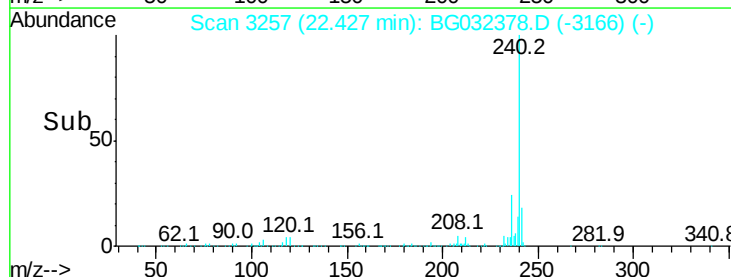
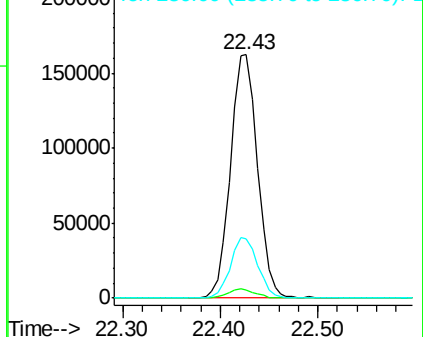


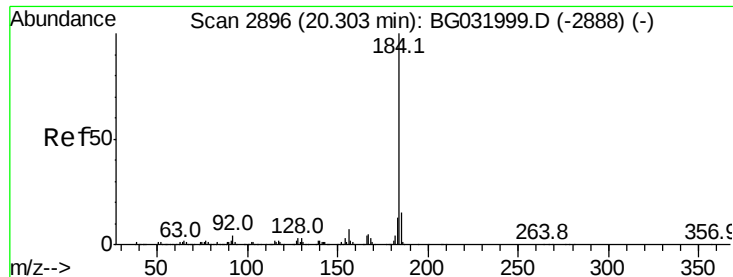
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.43 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Tgt Ion:240 Resp: 312593
 Ion Ratio Lower Upper
 240 100
 120 3.6 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: 2.802 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

Instrument :

BNA_G

ClientSampleId :

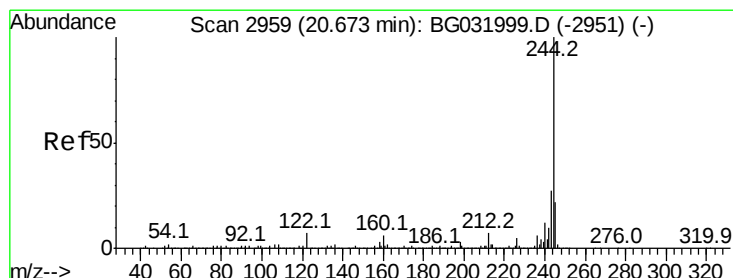
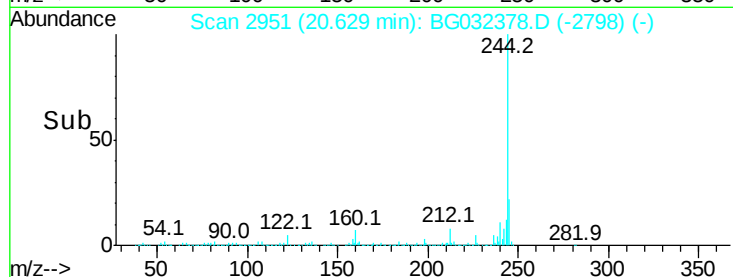
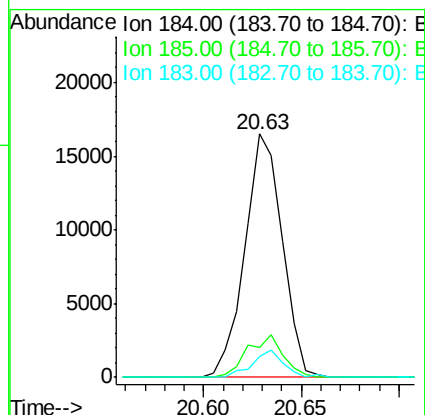
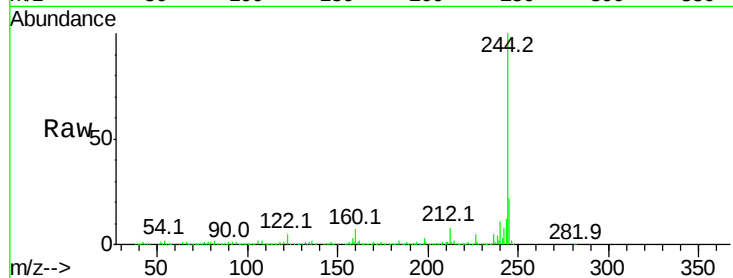
Tot Ion:184 Resp: 21905

Ion Ratio Lower Upper

184 100

185 12.5 11.1 16.7

183 8.5 10.6 16.0#



#78

Terphenyl-d14

Concen: 102.940 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG032378.D

Acq: 28 Jan 2018 5:37

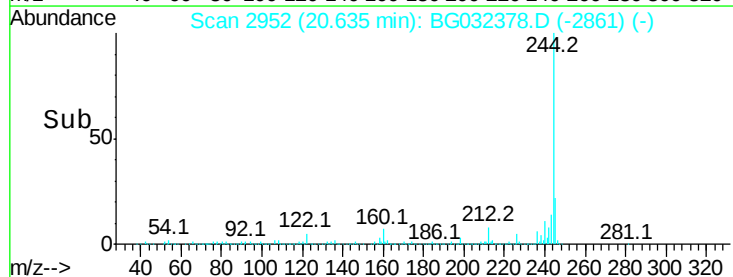
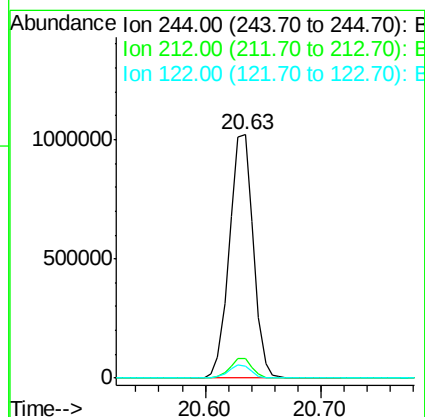
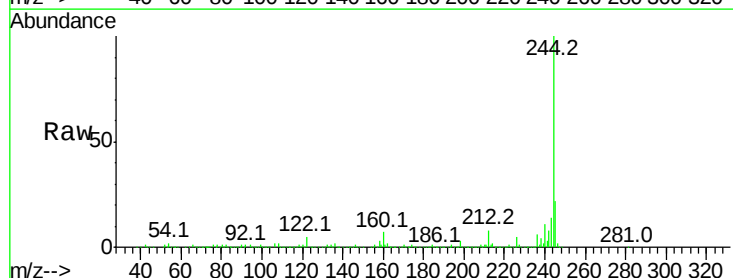
Tgt Ion:244 Resp: 1457326

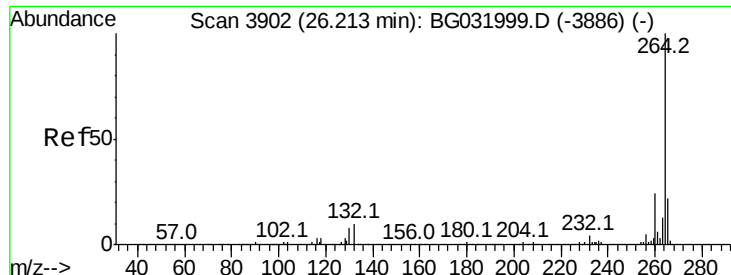
Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

122 5.1 7.0 10.4#

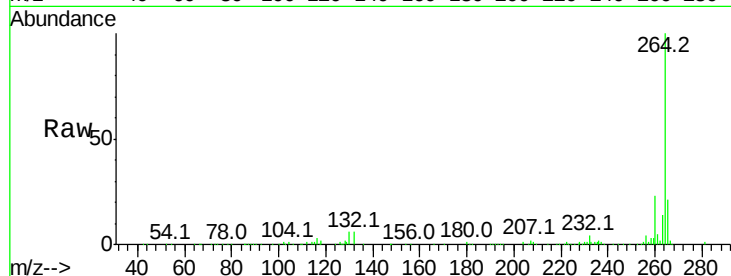




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.12 min Scan# 3885
 Delta R.T. 0.01 min
 Lab File: BG032378.D
 Acq: 28 Jan 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	20.7	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

