

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032292.D
 Acq On : 25 Jan 2018 11:25
 Operator : SJ/JU
 Sample : J1266-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 12:10:13 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	39089	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	150768	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	106061	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	290180	20.00	ng	0.00
75) Chrysene-d12	22.42	240	377203	20.00	ng	0.00
86) Perylene-d12	26.10	264	402347	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	283512	132.65	ng	0.00
7) Phenol-d6	7.84	99	322009	119.63	ng	0.00
23) Nitrobenzene-d5	9.92	82	237038	106.37	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	277836	158.31	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	837134	97.87	ng	0.00
78) Terphenyl-d14	20.63	244	1748350	102.34	ng	0.00

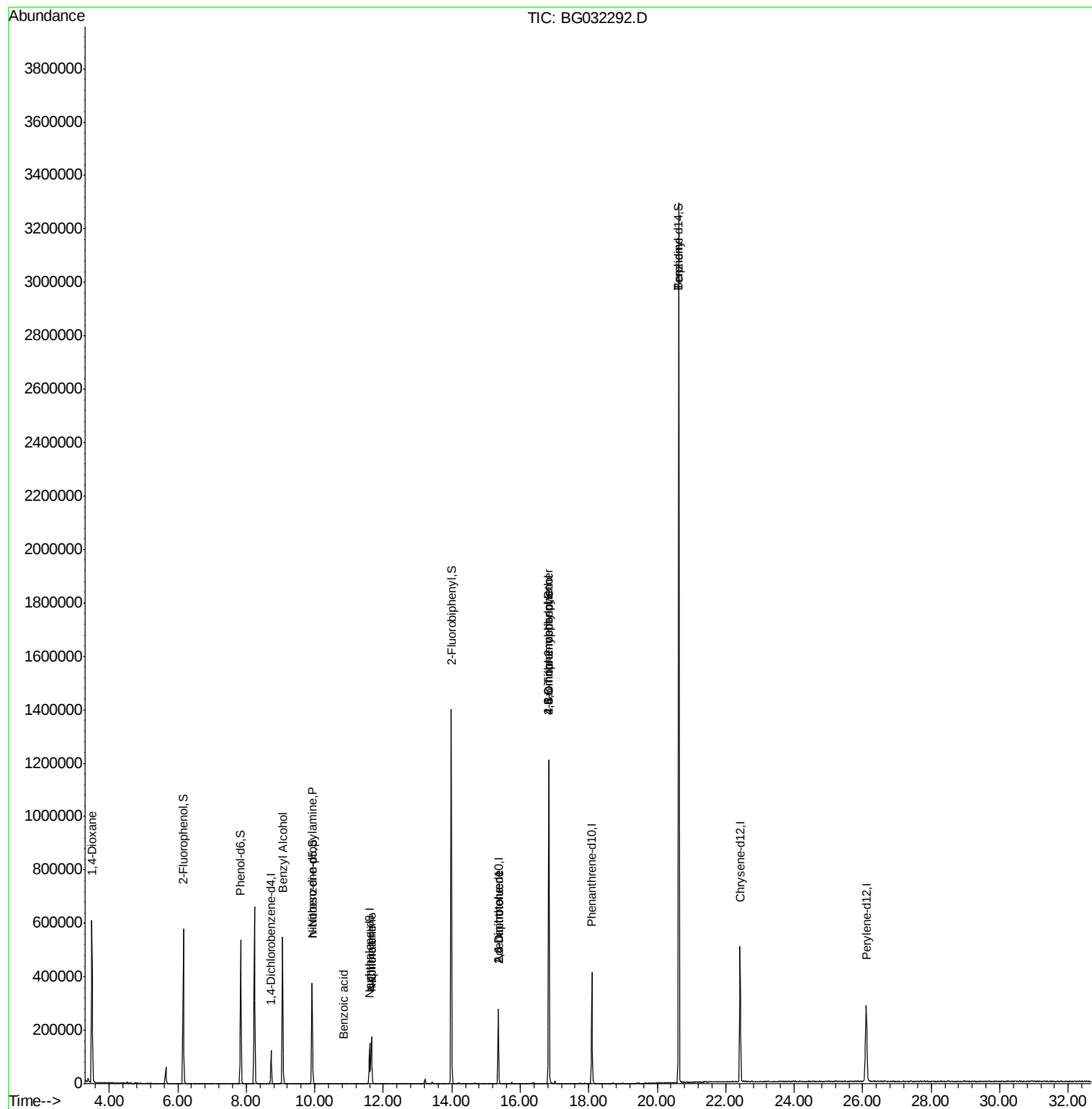
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	6974	8.494	ng	# 1
15) Benzyl Alcohol	9.06	79	4746	2.427	ng	# 39
19) n-Nitroso-di-n-propylamine	9.92	70	34664	20.755	ng	# 71
31) Naphthalene	11.65	128	164658	22.046	ng	# 99
32) Benzoic acid	10.84	122	138	5.329	ng	# 1
33) 4-Chloroaniline	11.65	127	22773	7.110	ng	# 35
50) 2,6-Dinitrotoluene	15.36	165	14806	7.686	ng	# 22
56) 2,4-Dinitrotoluene	15.36	165	14806	5.709	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.84	198	449	5.101	ng	# 33
66) 4-Bromophenyl-phenylether	16.83	248	22734	5.506	ng	# 1
76) Benzidine	20.63	184	25811	2.736	ng	# 94

(#) = 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: BG032292.D

Acq: 25 Jan 2018 11:25

Instrument :

BNA_G

ClientSampleId :

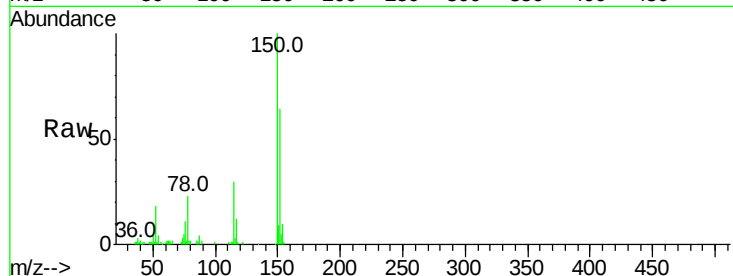
Tot Ion:152 Resp: 39089

Ion Ratio Lower Upper

152 100

150 157.3 126.6 189.8

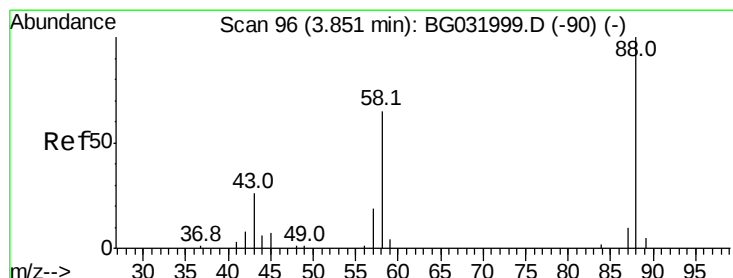
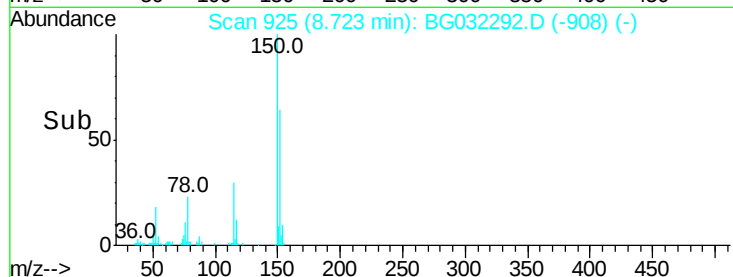
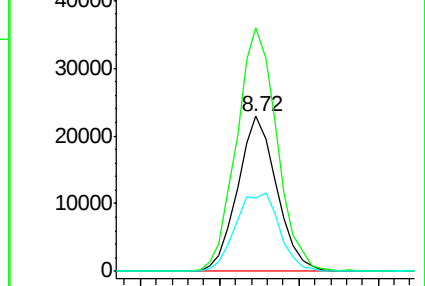
115 47.8 53.0 79.4#



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: 8.494 ng

RT: 3.49 min Scan# 35

Delta R.T. -0.33 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

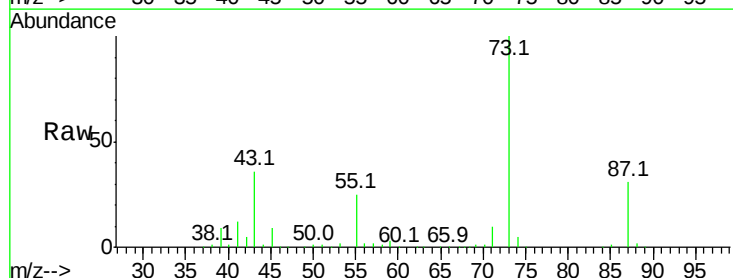
Tgt Ion: 88 Resp: 6974

Ion Ratio Lower Upper

88 100

58 35.9 79.6 119.4#

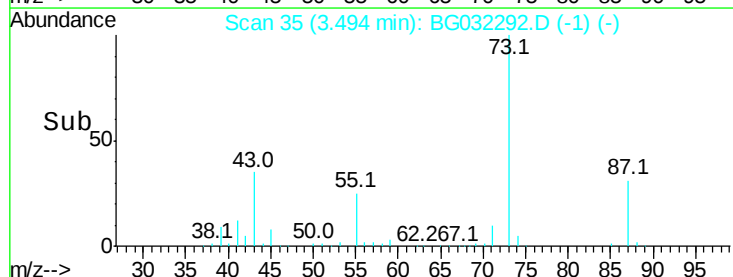
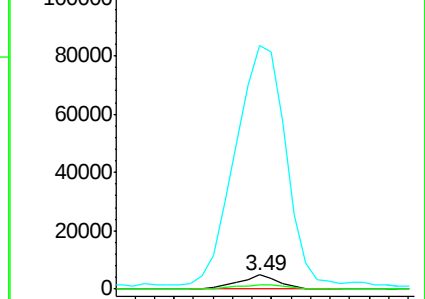
43 2135.7 27.4 41.0#

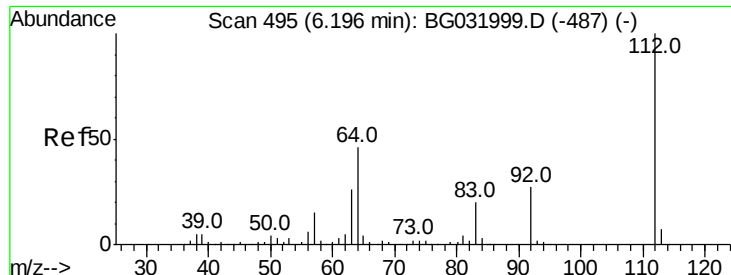


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 132.652 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

Instrument :

BNA_G

ClientSampleId :

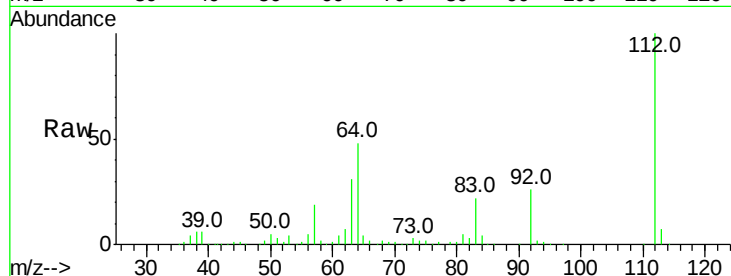
Tot Ion:112 Resp: 283512

Ion Ratio Lower Upper

112 100

64 48.4 56.3 84.5#

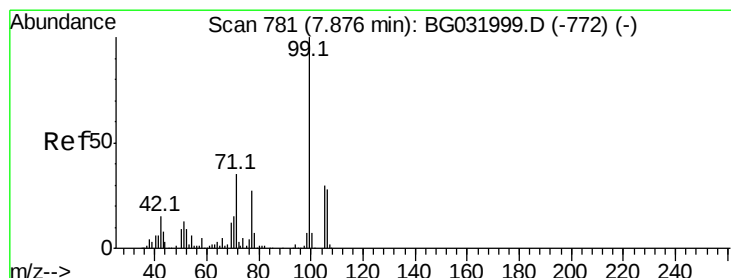
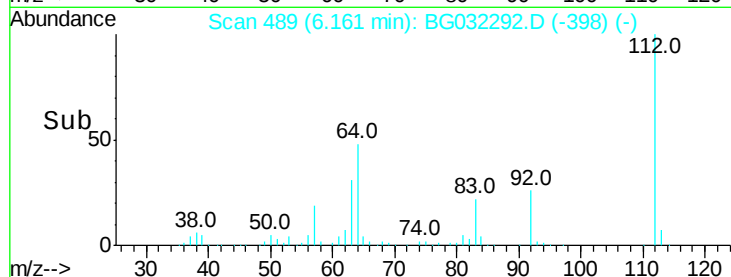
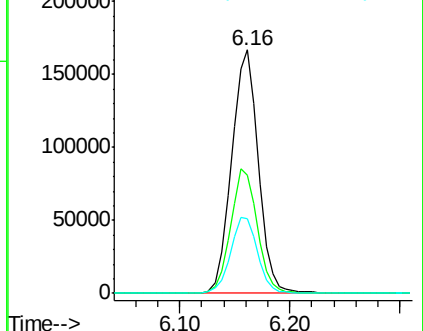
63 30.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 119.629 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

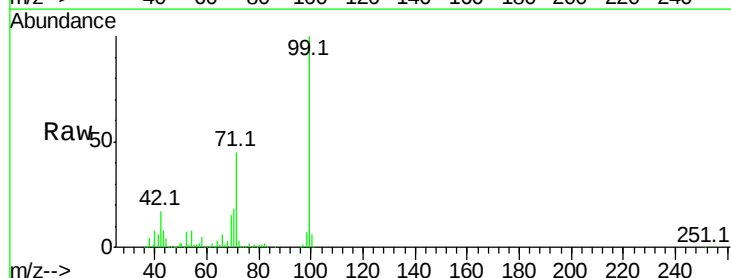
Tgt Ion: 99 Resp: 322009

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

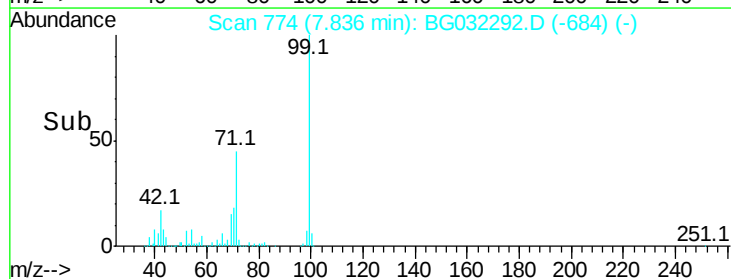
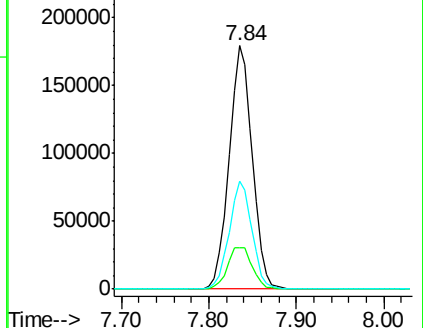
71 44.5 26.1 39.1#

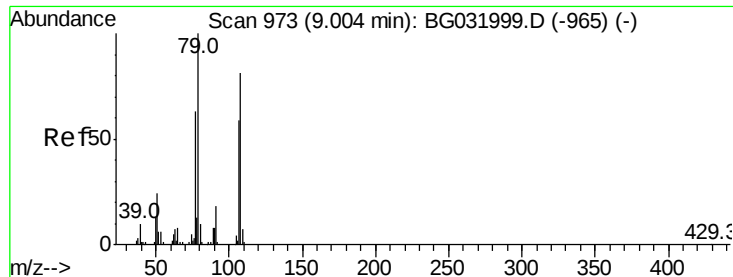


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.427 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

Instrument :

BNA_G

ClientSampleId :

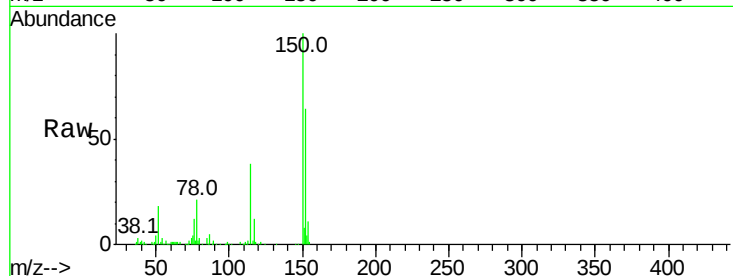
Tot Ion: 79 Resp: 4746

Ion Ratio Lower Upper

79 100

108 36.7 57.2 85.8#

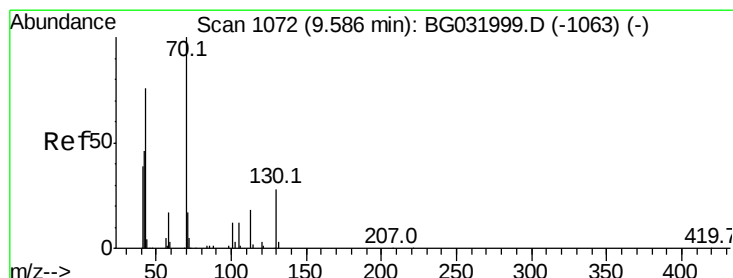
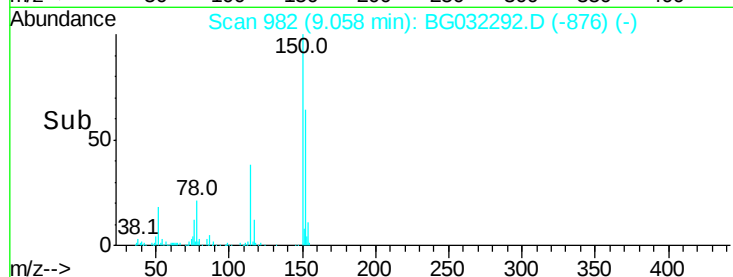
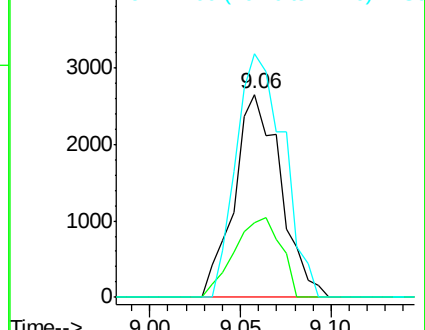
77 119.8 46.1 69.1#



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: 20.755 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

Tgt Ion: 70 Resp: 34664

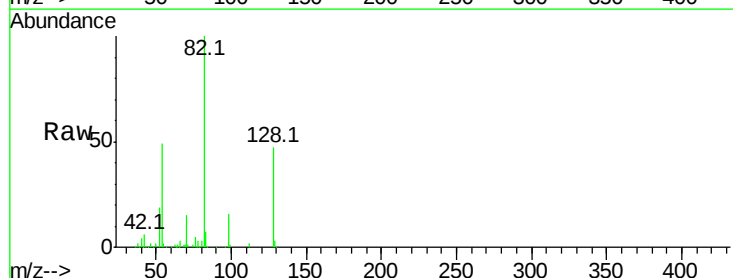
Ion Ratio Lower Upper

70 100

42 40.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

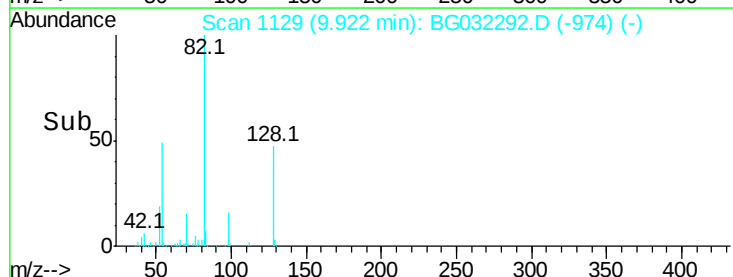
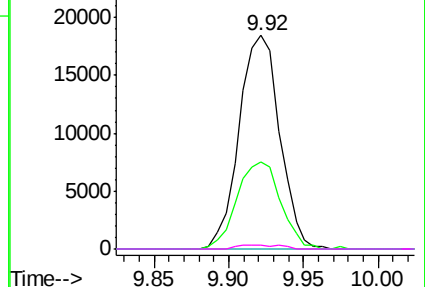


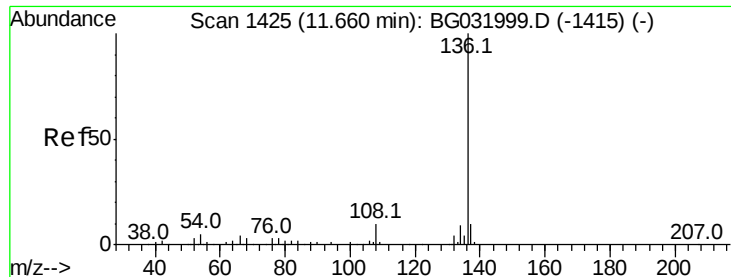
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

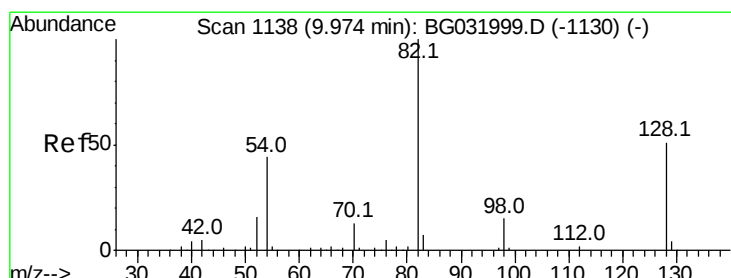
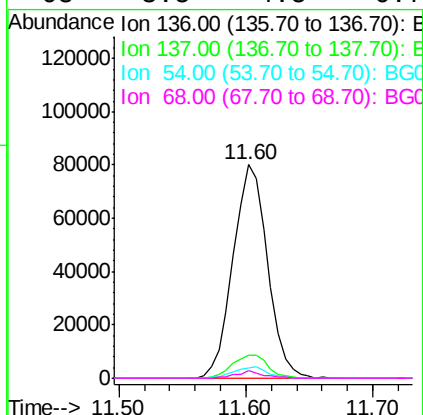
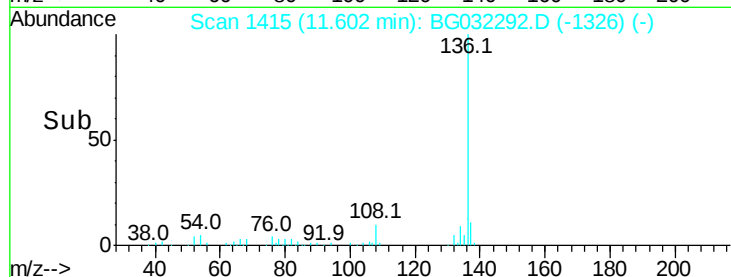
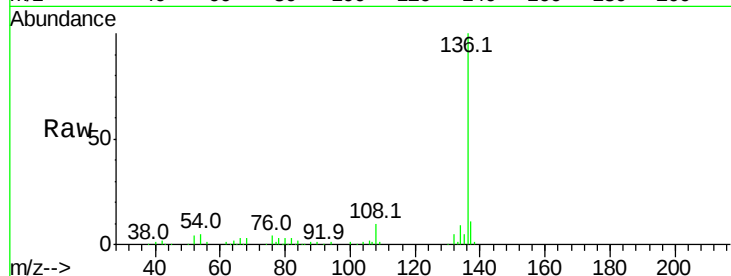




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

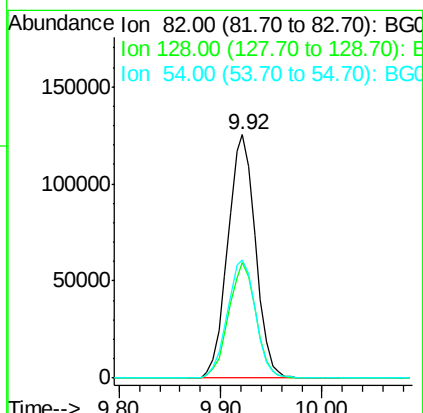
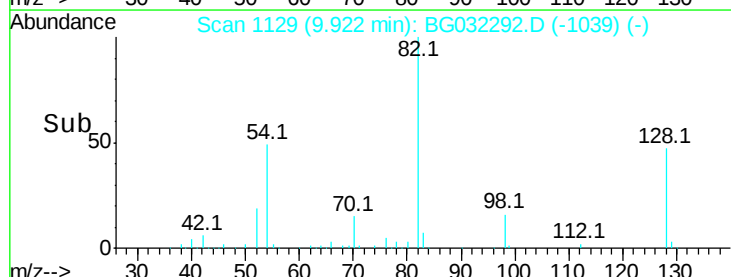
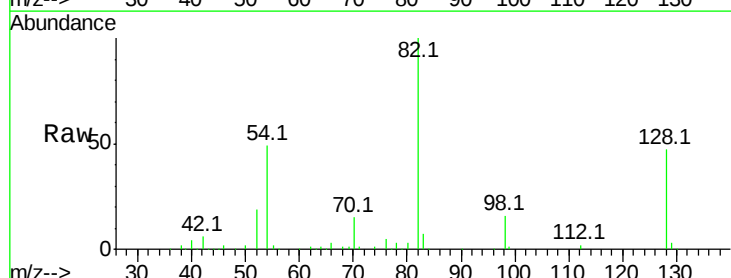
Instrument :
BNA_G
ClientSampleId :

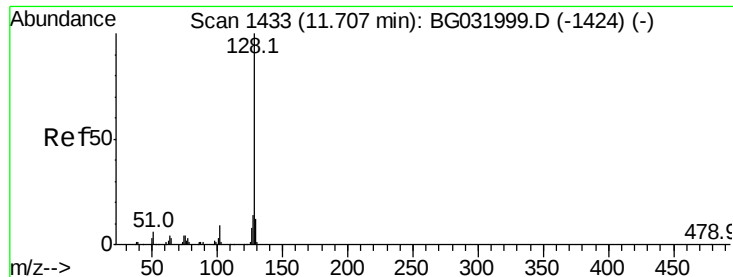
Tot Ion:	136	Resp:	150768
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	5.0	10.3	15.5#
68	3.5	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 106.366 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Tgt Ion:	82	Resp:	237038
Ion	Ratio	Lower	Upper
82	100		
128	47.3	29.7	44.5#
54	48.6	43.1	64.7

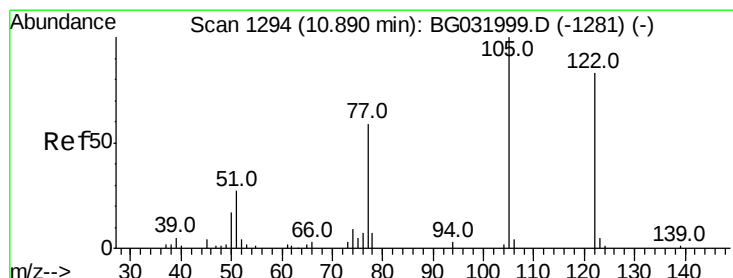
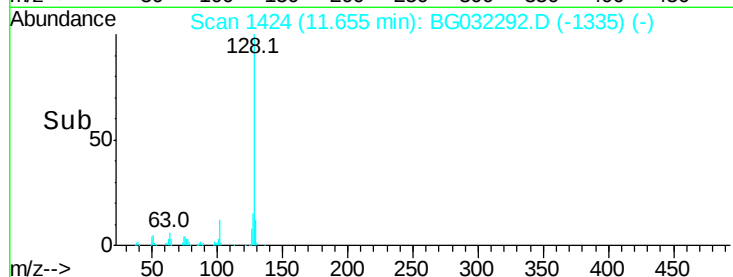
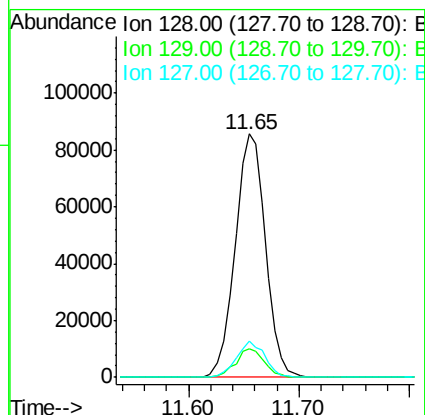
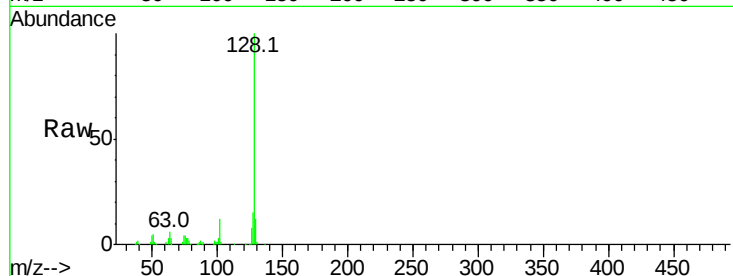




#31
Naphthalene
Concen: 22.046 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

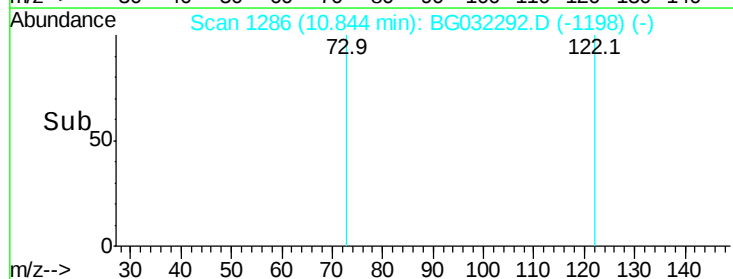
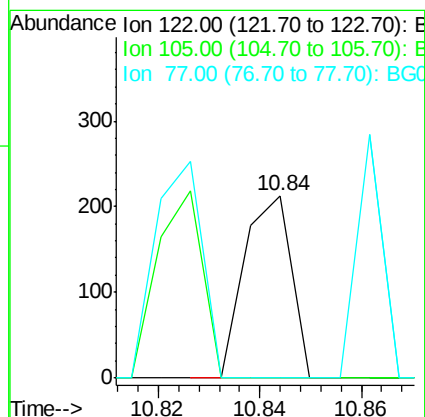
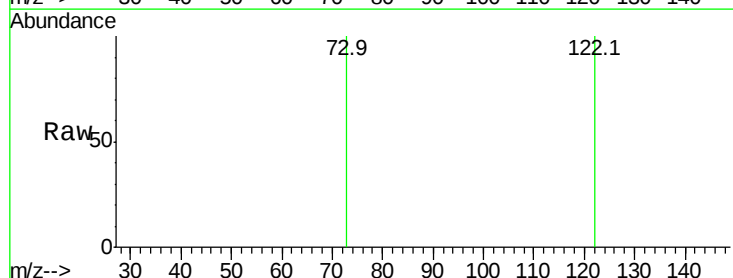
Instrument :
BNA_G
ClientSampleId :

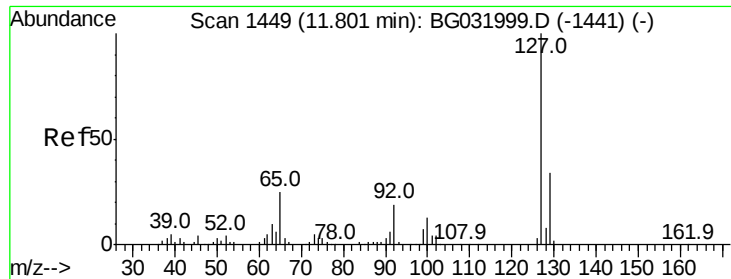
Tot Ion:128 Resp: 164658
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.9 11.6 17.4



#32
Benzoic acid
Concen: 5.329 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Tgt Ion:122 Resp: 138
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

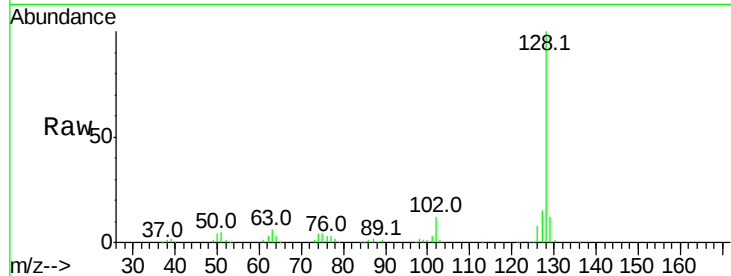




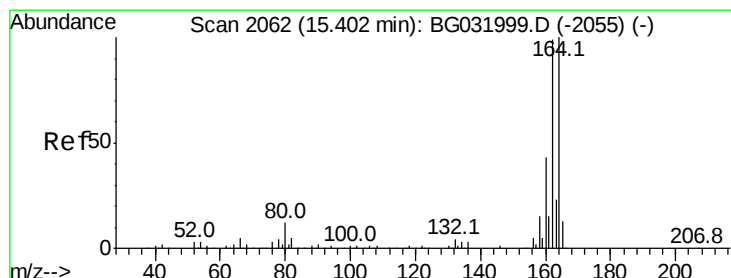
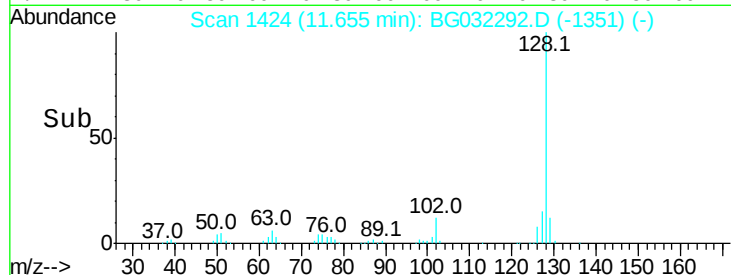
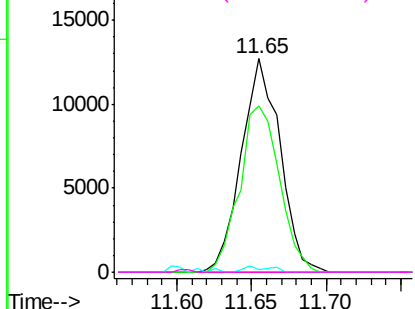
#33
4-Chloroaniline
Concen: 7.110 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 22773
Ion Ratio Lower Upper
127 100
129 78.1 24.0 36.0#
65 1.5 27.0 40.4#
92 0.0 16.6 25.0#

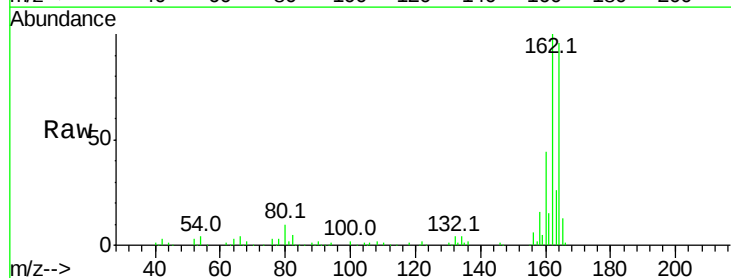


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

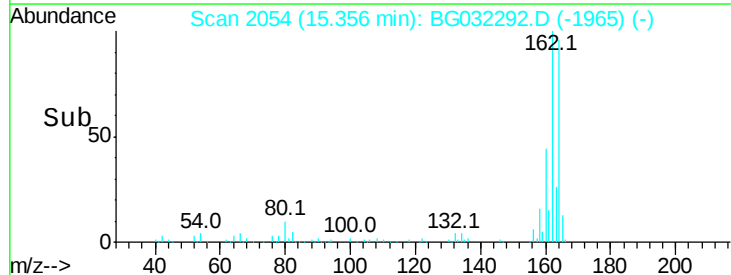
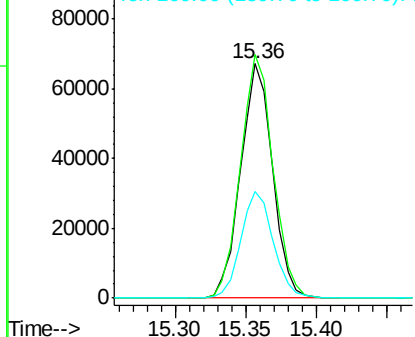


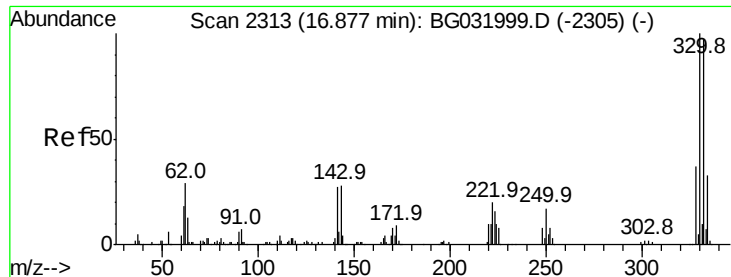
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Tgt Ion:164 Resp: 106061
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 45.4 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

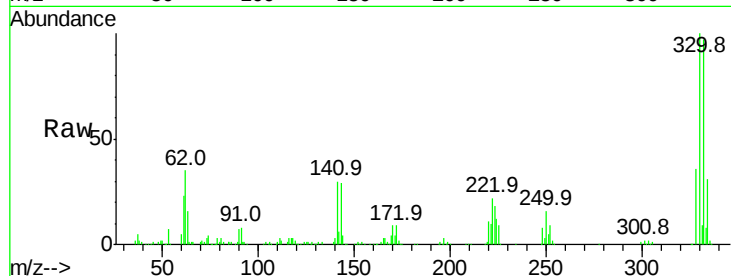




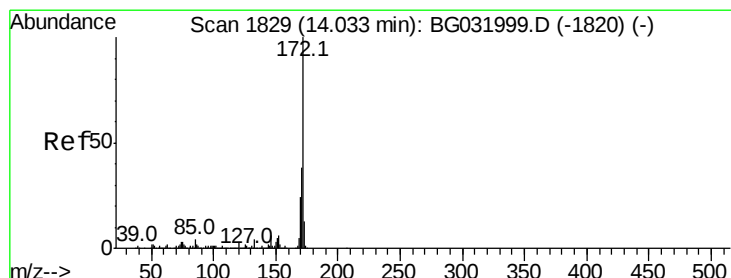
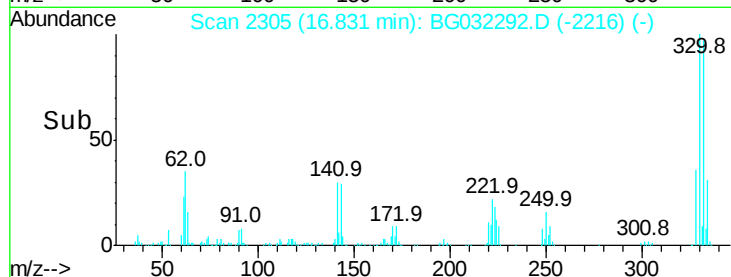
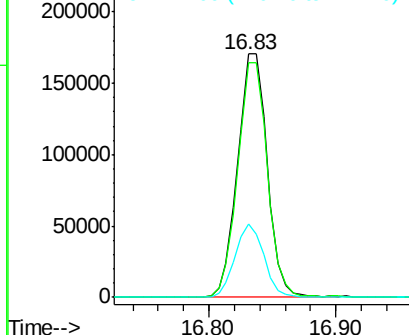
#41
 2,4,6-Tribromophenol
 Concen: 158.306 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032292.D
 Acq: 25 Jan 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.3	25.2	37.8

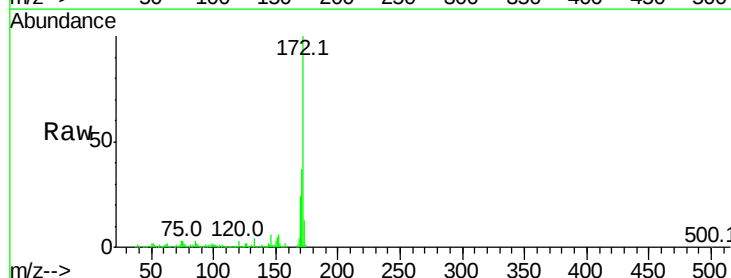


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

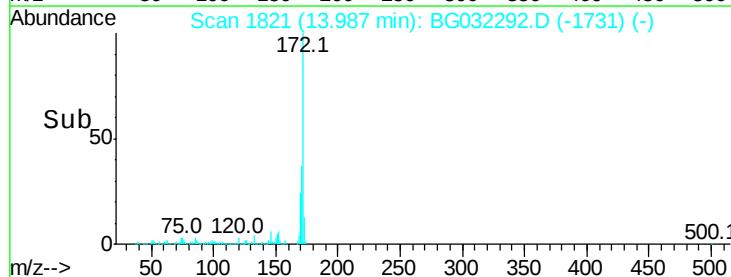
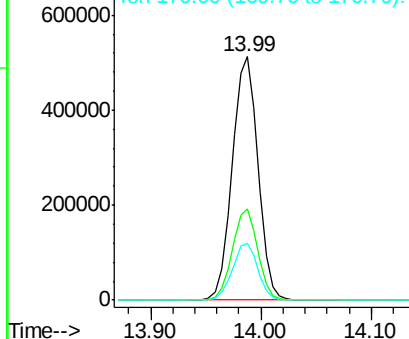


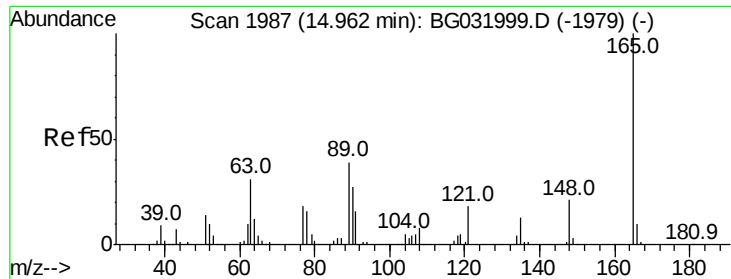
#44
 2-Fluorobiphenyl
 Concen: 97.869 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032292.D
 Acq: 25 Jan 2018 11:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.6	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

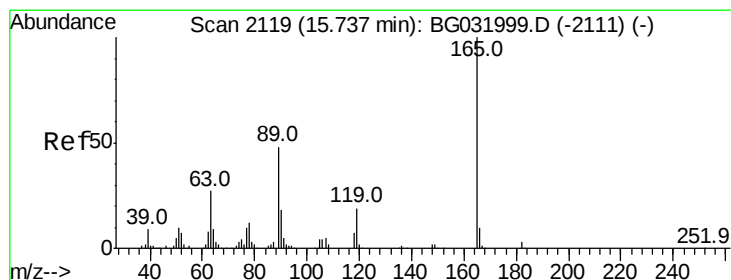
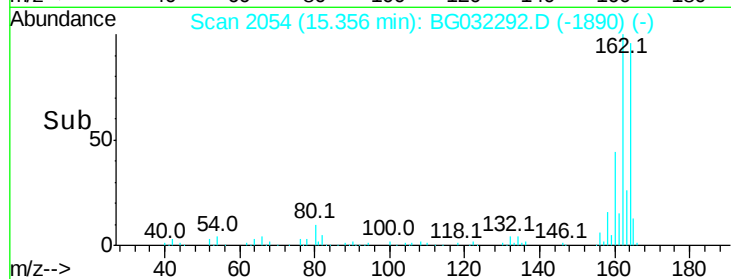
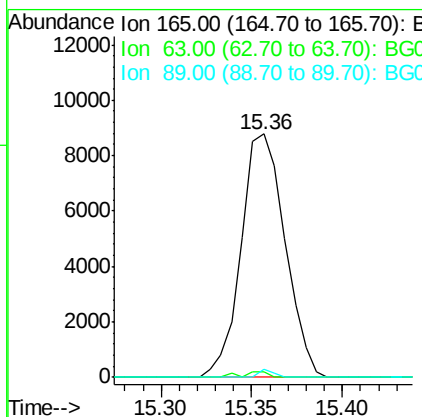
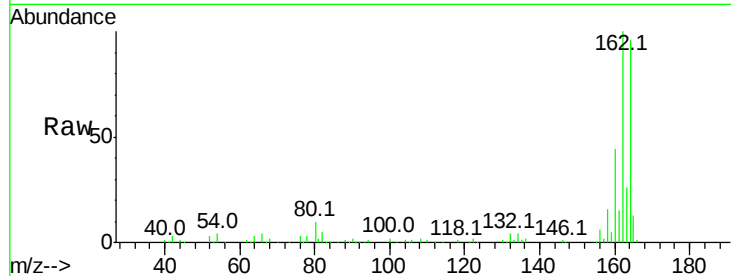




#50
 2,6-Dinitrotoluene
 Concen: 7.686 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032292.D
 Acq: 25 Jan 2018 11:25

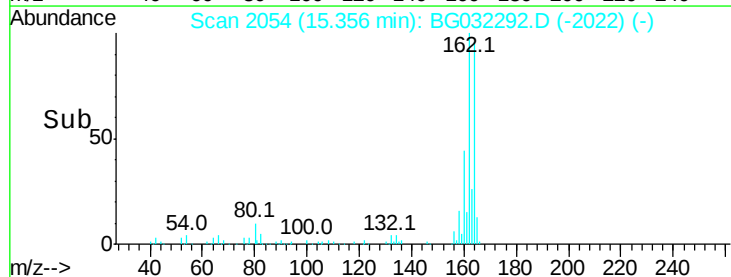
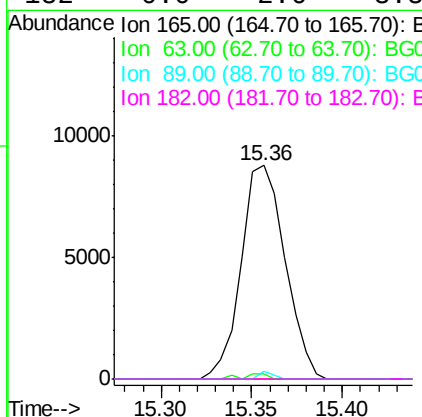
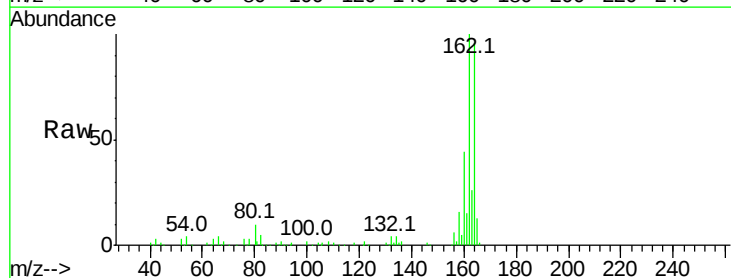
Instrument :
 BNA_G
 ClientSampleId :

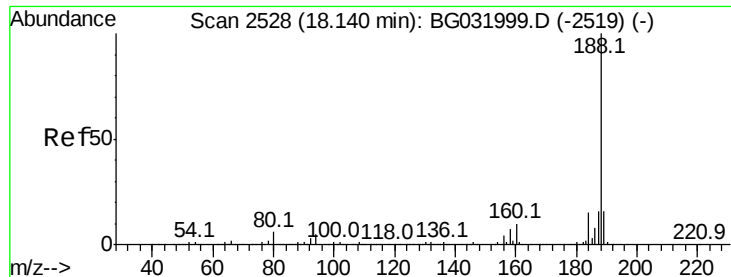
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	52.7	79.1#
89	3.4	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.709 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032292.D
 Acq: 25 Jan 2018 11:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	3.4	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. -0.01 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

Instrument :

BNA_G

ClientSampleId :

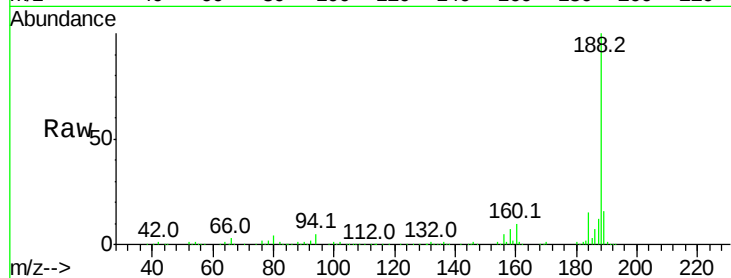
Tot Ion:188 Resp: 290180

Ion Ratio Lower Upper

188 100

94 4.7 6.9 10.3#

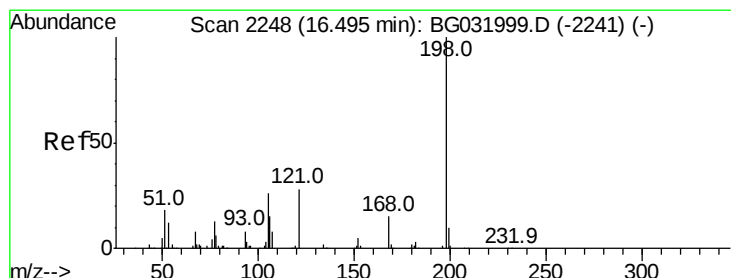
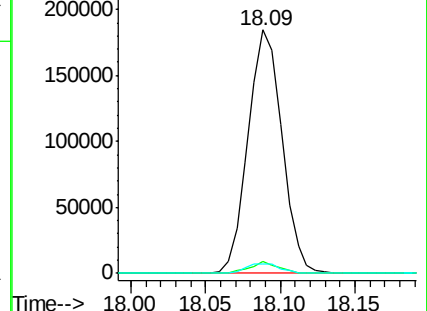
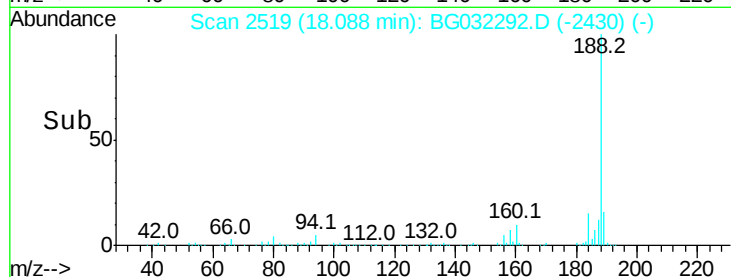
80 3.9 7.7 11.5#



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: 5.101 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.38 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

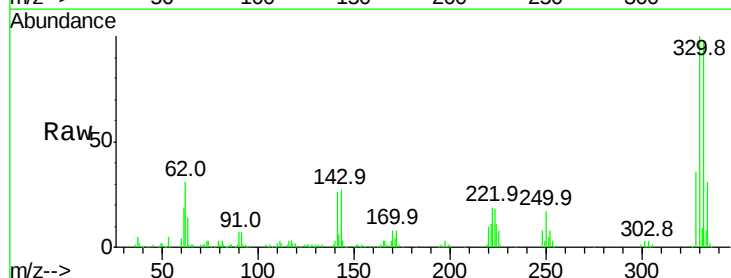
Tgt Ion:198 Resp: 449

Ion Ratio Lower Upper

198 100

51 82.9 30.6 70.6#

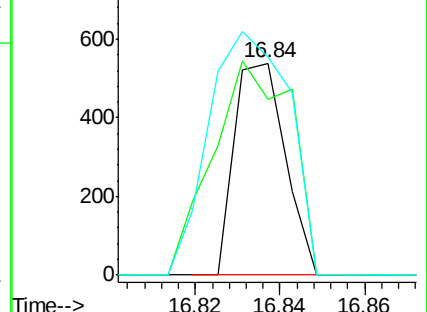
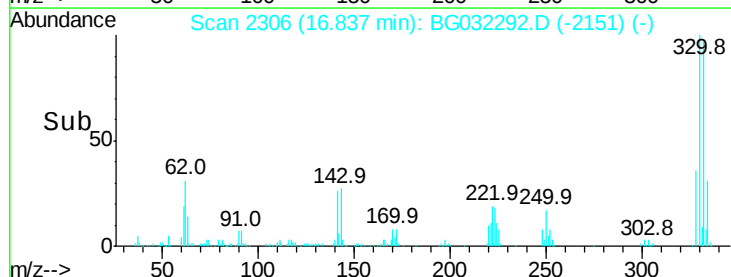
105 102.8 23.8 63.8#

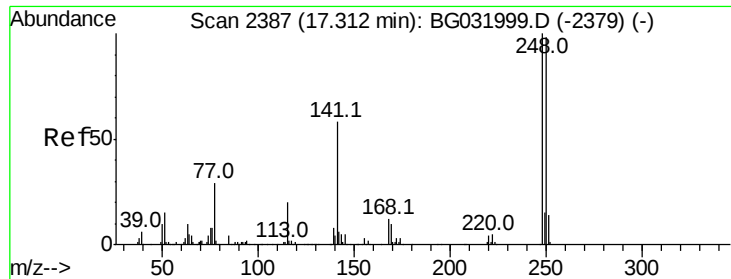


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

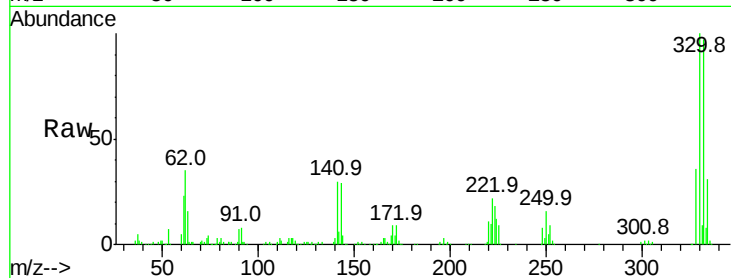




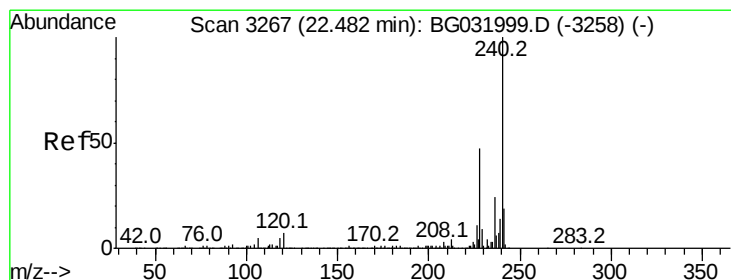
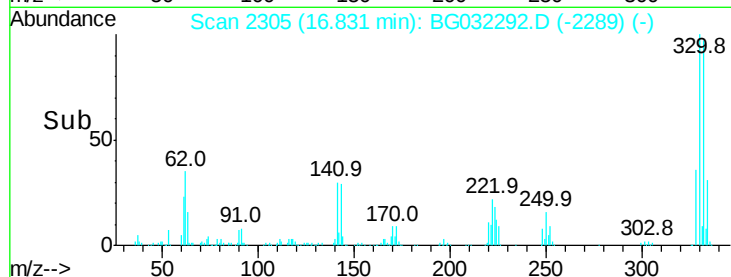
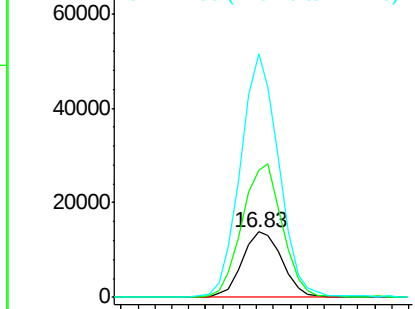
#66
4-Bromophenyl-phenylether
Concen: 5.506 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22734
Ion Ratio Lower Upper
248 100
250 193.5 77.1 115.7#
141 372.4 50.8 76.2#

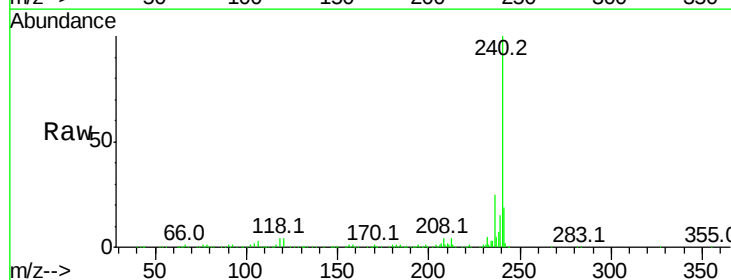


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

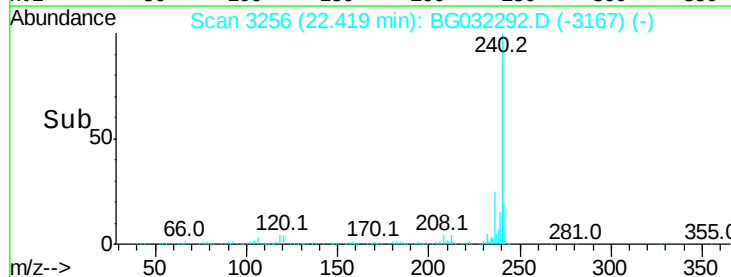
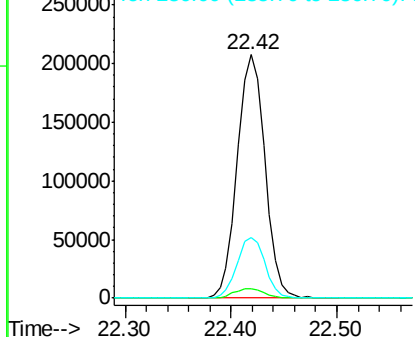


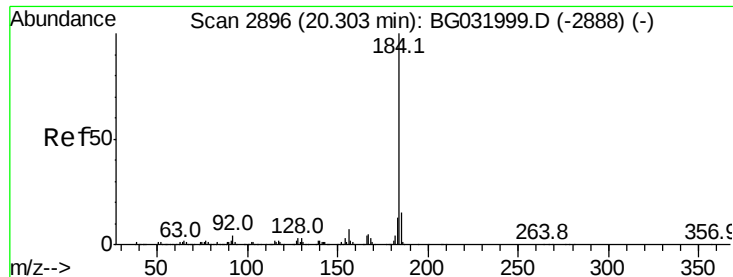
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032292.D
Acq: 25 Jan 2018 11:25

Tgt Ion:240 Resp: 377203
Ion Ratio Lower Upper
240 100
120 4.0 6.8 10.2#
236 24.7 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: 2.736 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

Instrument :

BNA_G

ClientSampleId :

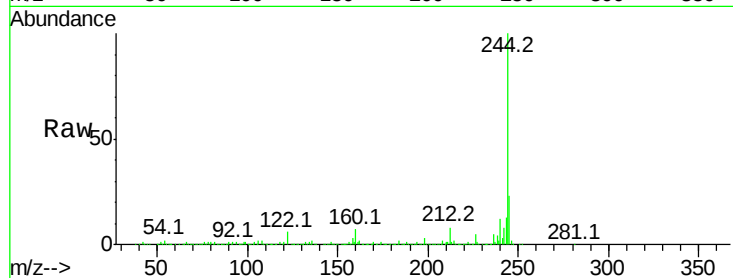
Tot Ion:184 Resp: 25811

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

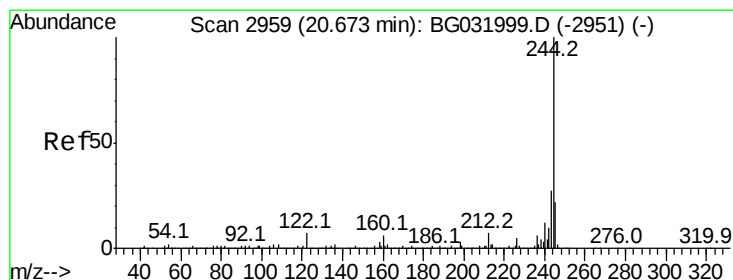
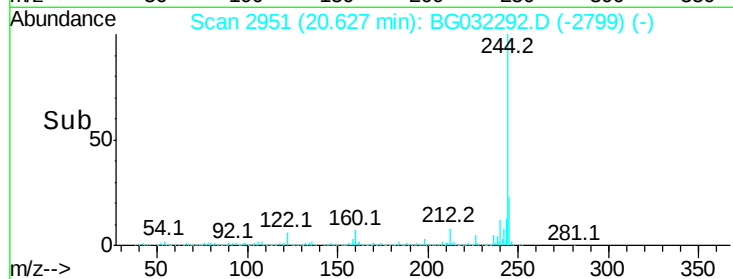
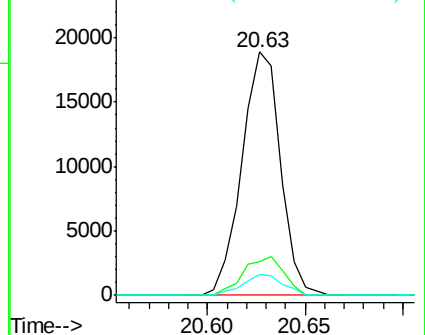
183 8.7 10.6 16.0#



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: 102.344 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032292.D

Acq: 25 Jan 2018 11:25

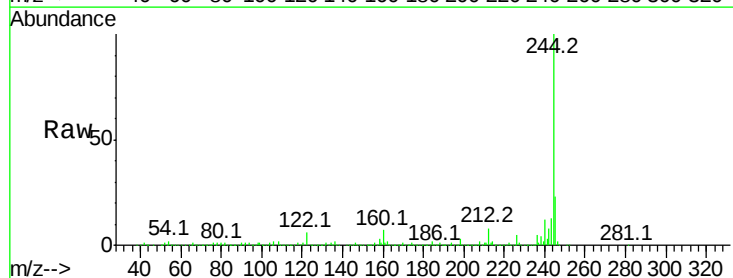
Tgt Ion:244 Resp: 1748350

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

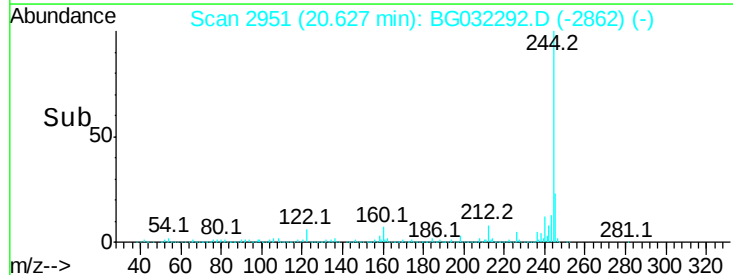
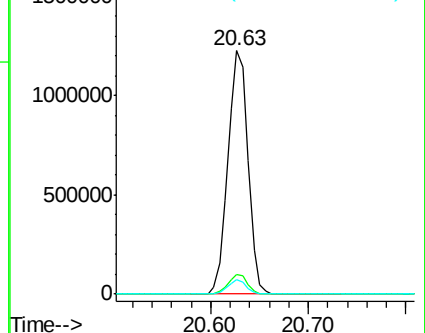
122 5.8 7.0 10.4#

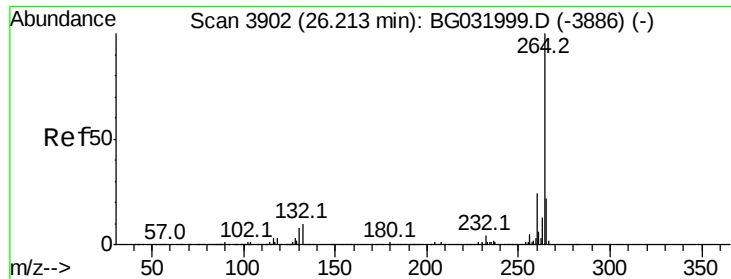


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

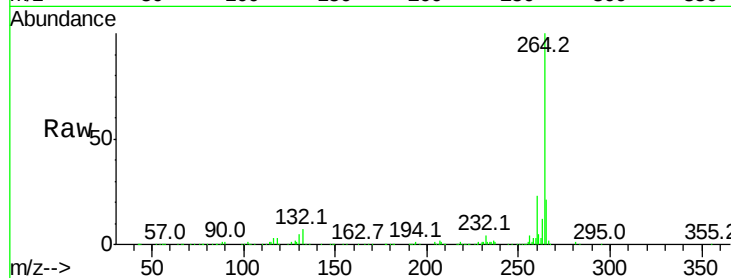




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032292.D
 Acq: 25 Jan 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.2	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

