

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093017\
 Data File : BG028987.D
 Acq On : 30 Sep 2017 20:05
 Operator : SJ/JU
 Sample : I5457-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 02:22:07 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

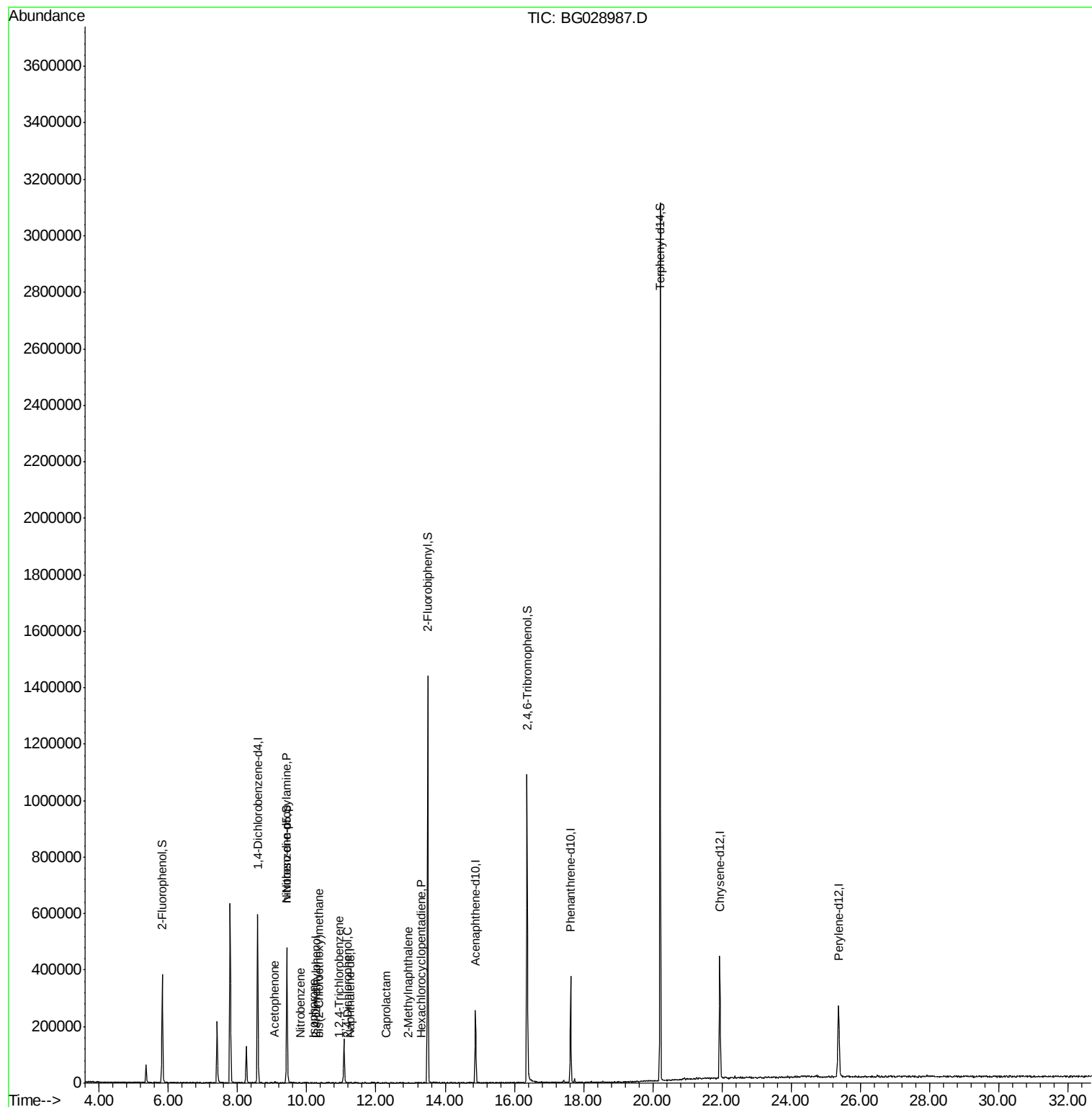
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.58	152	168228	20.00	ng	0.25
21) Naphthalene-d8	11.27	136	132	20.00	ng	0.12
38) Acenaphthene-d10	14.88	164	96051	20.00	ng	-0.07
63) Phenanthrene-d10	17.62	188	252925	20.00	ng	-0.07
75) Chrysene-d12	21.94	240	298268	20.00	ng	-0.09
86) Perylene-d12	25.36	264	312297	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.82	112	165729	16.26	ng	-0.08
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	9.43	82	307253	111349.86	ng	-0.08
41) 2,4,6-Tribromophenol	16.37	330	245755	154.70	ng	-0.07
44) 2-Fluorobiphenyl	13.49	172	782697	108.66	ng	-0.07
78) Terphenyl-d14	20.22	244	1451136	103.75	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.43	70	41136	3.780	ng	# 63
22) Acetophenone	9.08	105	2459	637.117	ng	# 88
24) Nitrobenzene	9.82	77	53	17.346	ng	# 49
25) Isophorone	10.18	82	58	10.388	ng	# 67
27) 2,4-Dimethylphenol	10.27	122	60	25.241	ng	# 1
28) bis(2-Chloroethoxy)methane	10.36	93	74	24.406	ng	# 50
29) 2,4-Dichlorophenol	11.17	162	66	27.906	ng	# 25
30) 1,2,4-Trichlorobenzene	10.95	180	66	24.462	ng	# 12
35) Caprolactam	12.30	113	60	70.745	ng	# 12
37) 2-Methylnaphthalene	12.94	142	68	13.211	ng	# 14
40) Hexachlorocyclopentadiene	13.31	237	54	7.635	ng	# 29

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

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Response via : Initial Calibration



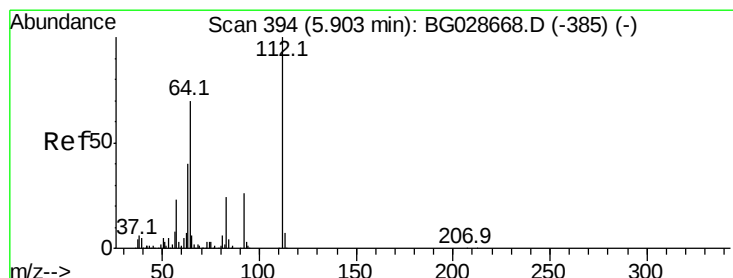
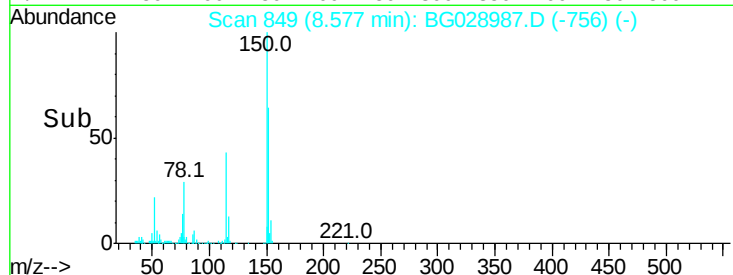
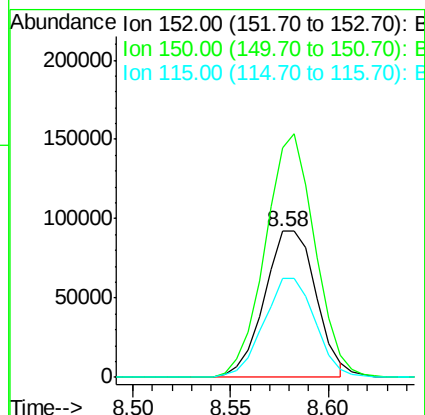
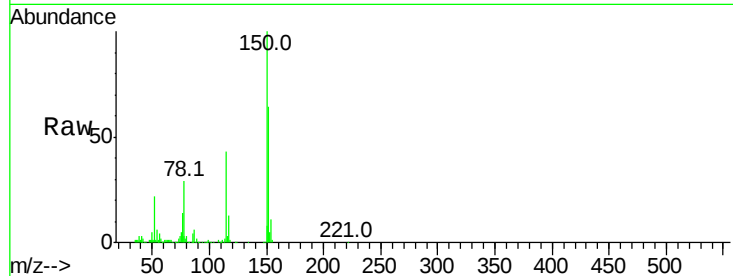


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.58 min Scan# 849
Delta R.T. 0.25 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Instrument :
BNA_G
ClientSampleId :

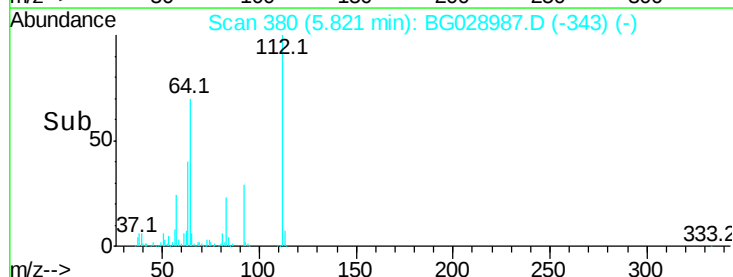
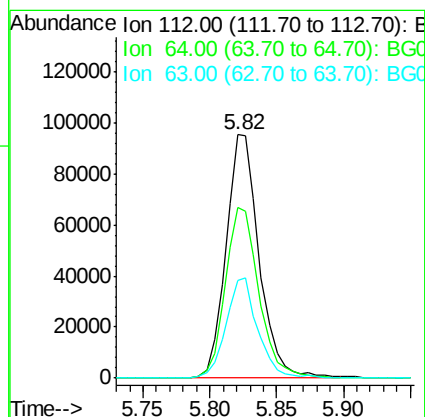
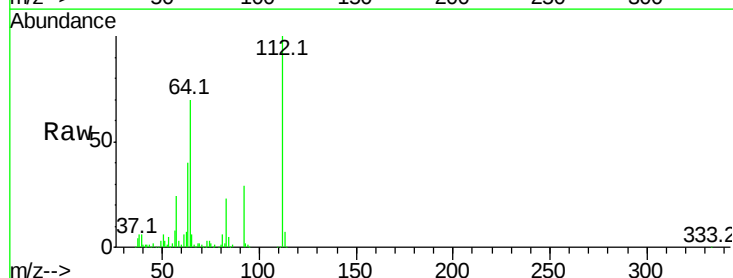
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	114.0	171.0
115	68.0	48.1	72.1

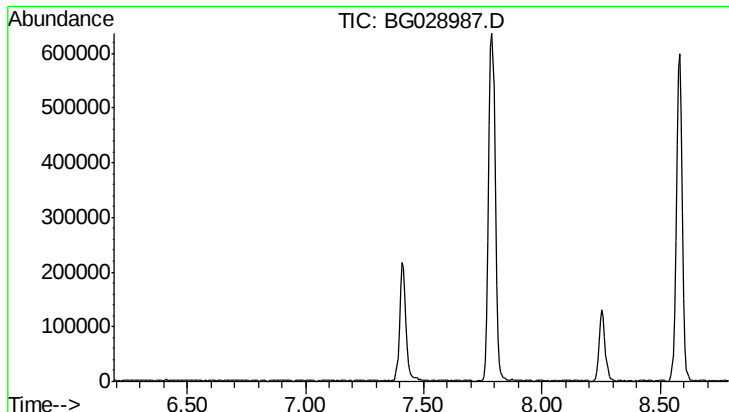


#5

2-Fluorophenol
Concen: 16.255 ng
RT: 5.82 min Scan# 380
Delta R.T. -0.08 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	61.8	92.6
63	40.1	37.2	55.8





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.49 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Instrument :

BNA_G

ClientSampleId :

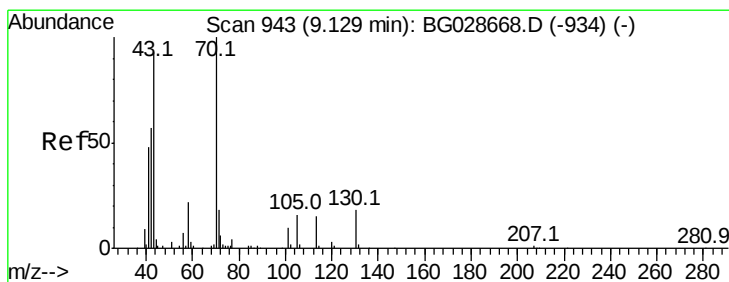
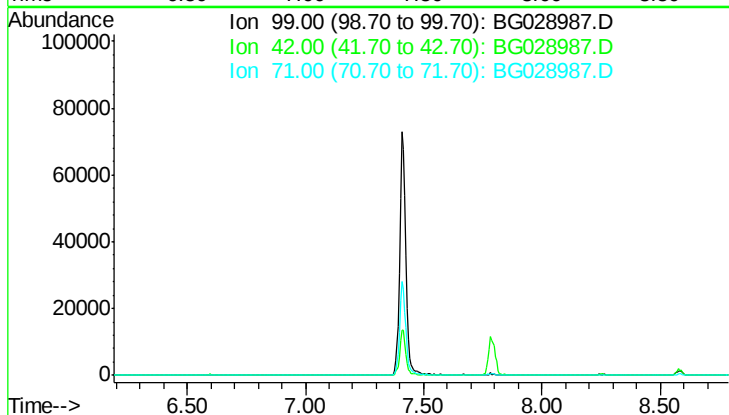
Tot Ion: 99

Sig Exp Ratio

99 100

42 25.6

71 47.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.780 ng

RT: 9.43 min Scan# 994

Delta R.T. 0.30 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Tgt Ion: 70 Resp: 41136

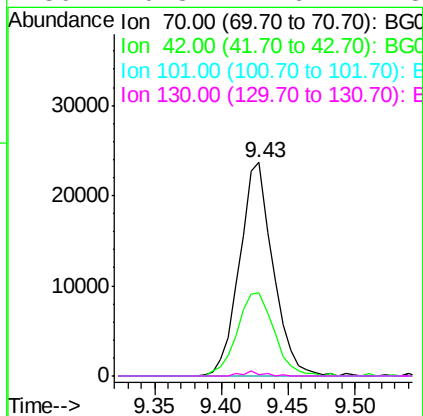
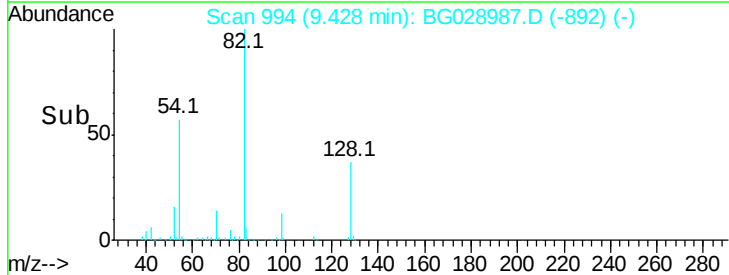
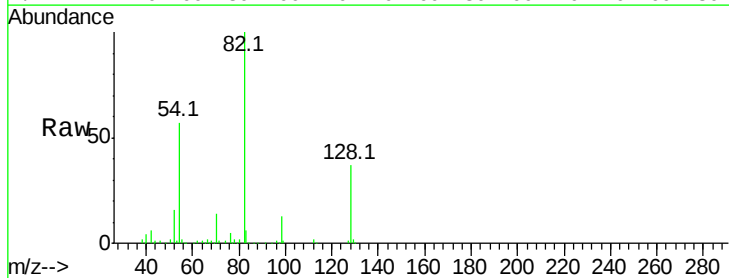
Ion Ratio Lower Upper

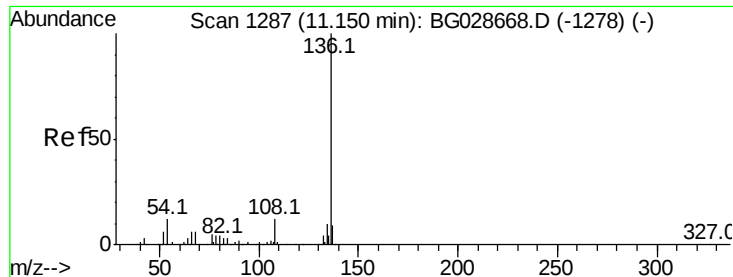
70 100

42 39.0 56.1 84.1#

101 0.0 7.5 11.3#

130 0.8 14.6 21.8#

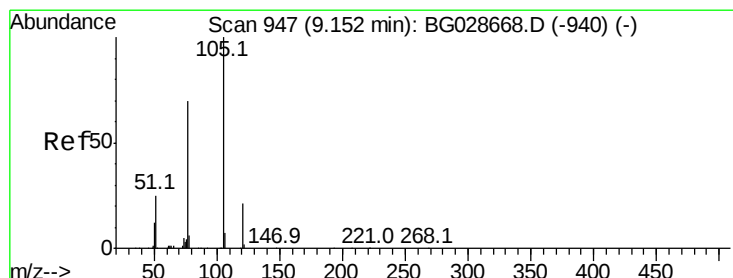
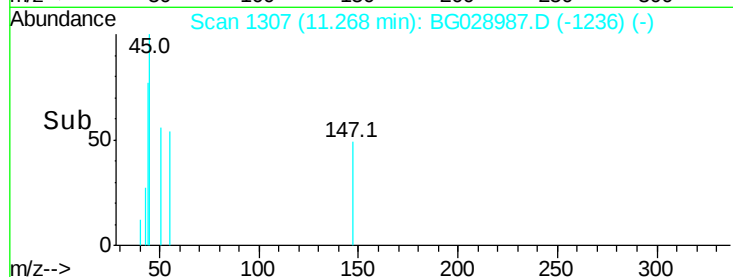
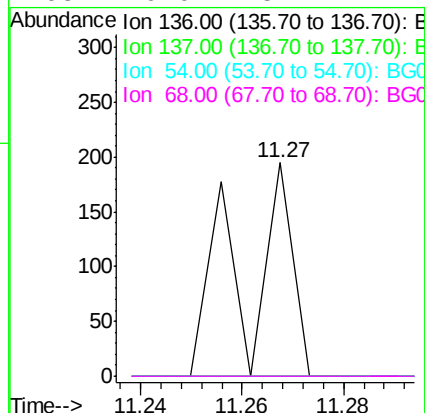
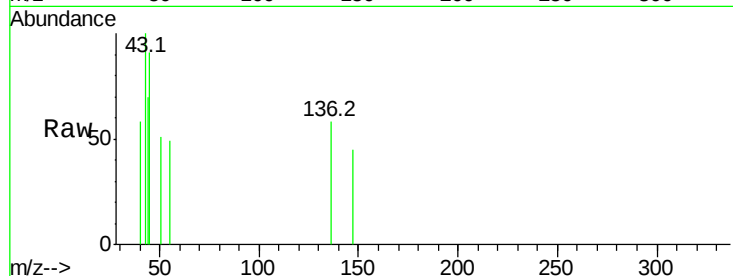




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.27 min Scan# 1307
Delta R.T. 0.12 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

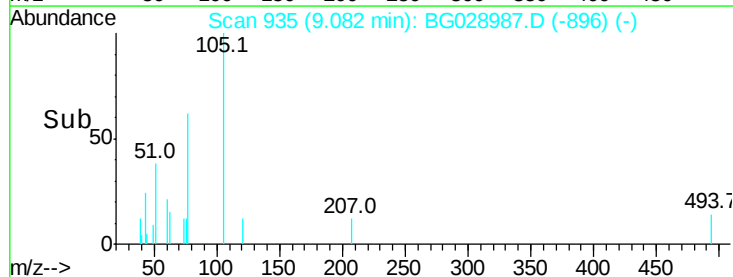
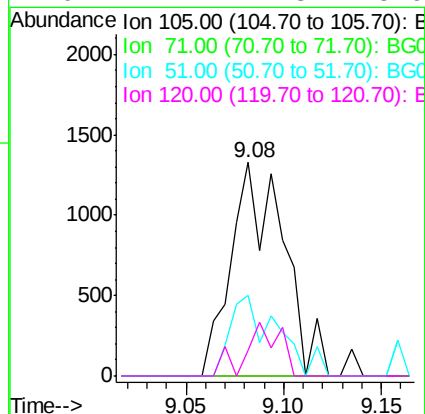
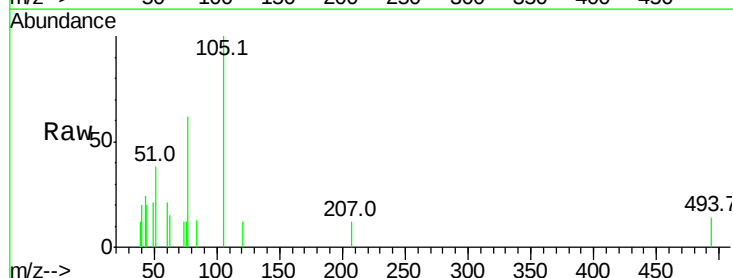
Instrument :
BNA_G
ClientSampleId :

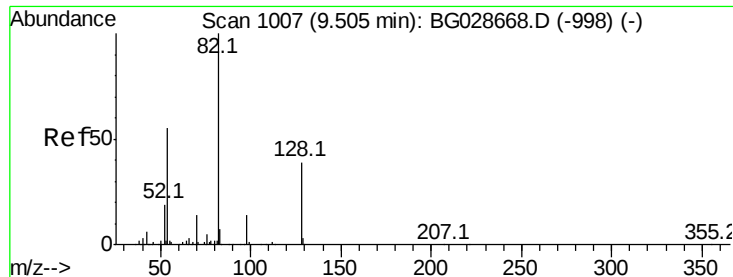
Tot Ion:	136	Resp:	132
Ion	Ratio	Lower	Upper
136	100		
137	0.0	8.9	13.3#
54	0.0	9.3	13.9#
68	0.0	5.1	7.7#



#22
Acetophenone
Concen: 637.117 ng
RT: 9.08 min Scan# 935
Delta R.T. -0.07 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Tgt Ion:	105	Resp:	2459
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	37.8	34.0	51.0
120	12.1	17.3	25.9#





#23

Nitrobenzene-d5

Concen: 111349.860 ng

RT: 9.43 min Scan# 994

Delta R.T. -0.08 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Instrument :

BNA_G

ClientSampleId :

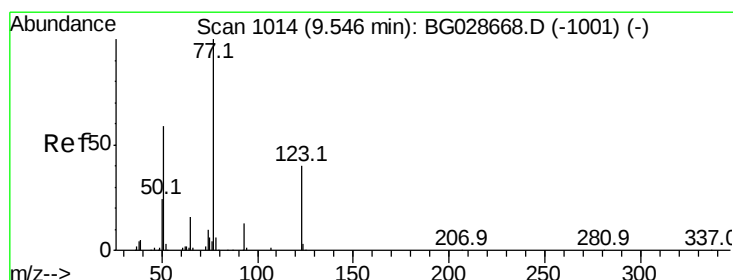
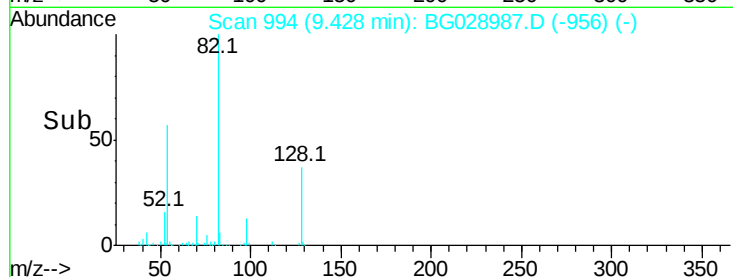
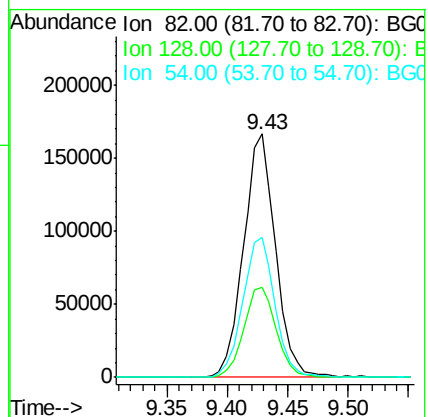
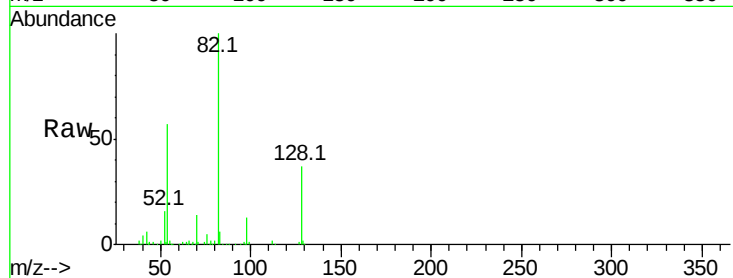
Tot Ion: 82 Resp: 307253

Ion Ratio Lower Upper

82 100

128 36.9 26.4 39.6

54 57.4 49.4 74.2



#24

Nitrobenzene

Concen: 17.346 ng

RT: 9.82 min Scan# 1061

Delta R.T. 0.28 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

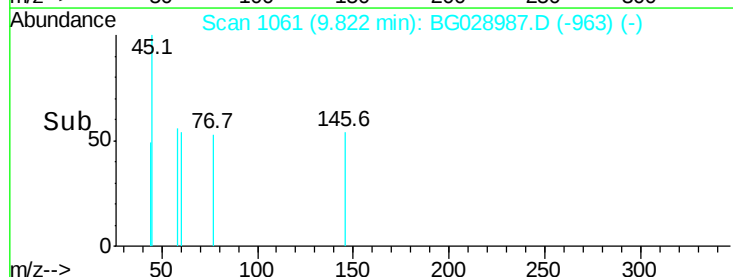
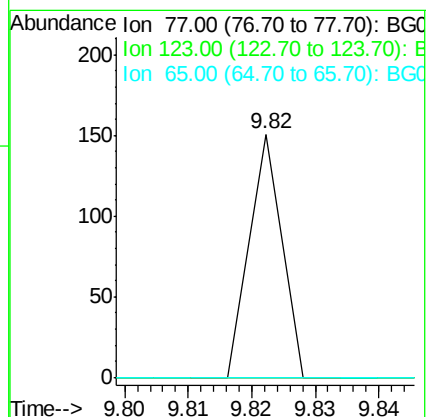
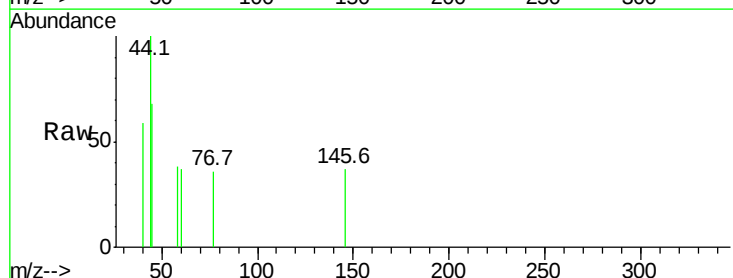
Tgt Ion: 77 Resp: 53

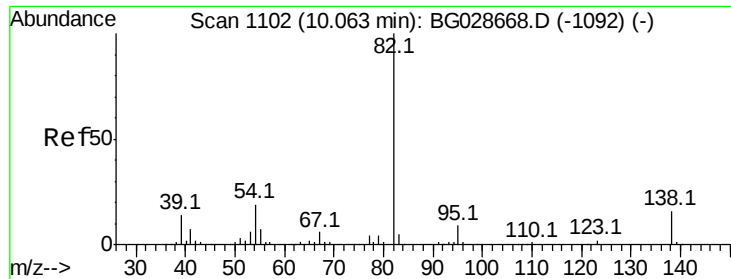
Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

65 0.0 12.4 18.6#





#25

Isophorone

Concen: 10.388 ng

RT: 10.18 min Scan# 1122

Delta R.T. 0.12 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Instrument :

BNA_G

ClientSampleId :

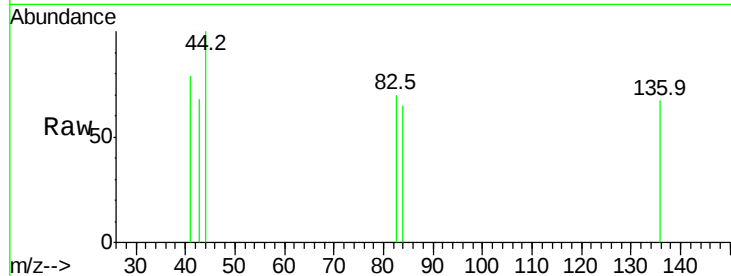
Tot Ion: 82 Resp: 58

Ion Ratio Lower Upper

82 100

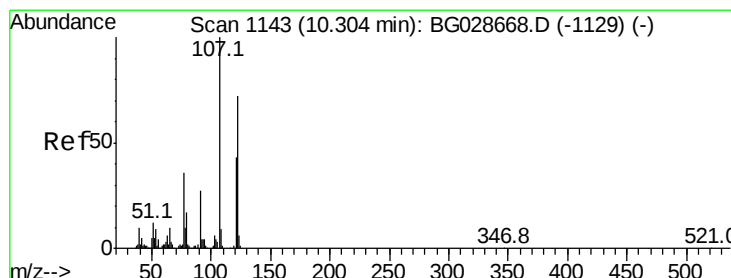
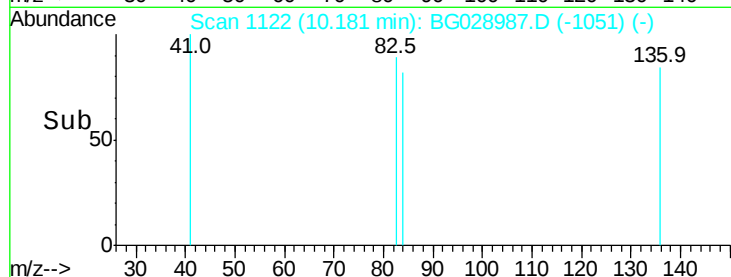
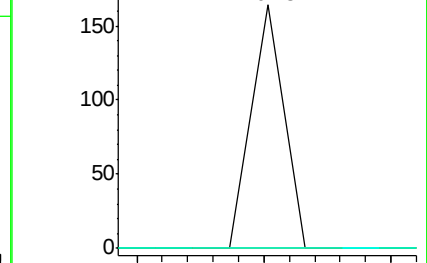
95 0.0 7.5 11.3#

138 0.0 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

10.18



#27

2,4-Dimethylphenol

Concen: 25.241 ng

RT: 10.27 min Scan# 1137

Delta R.T. -0.04 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

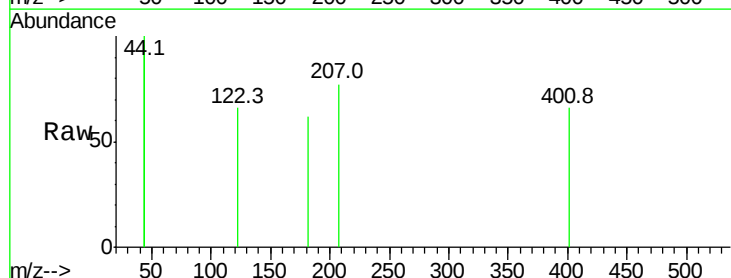
Tgt Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

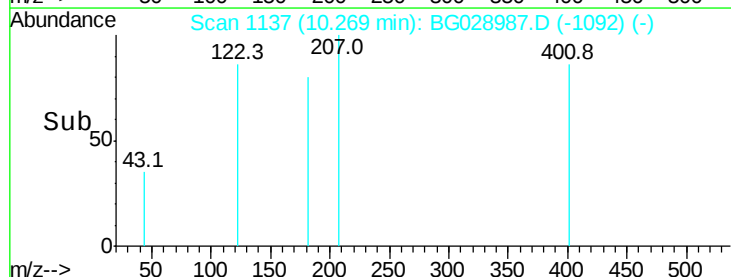
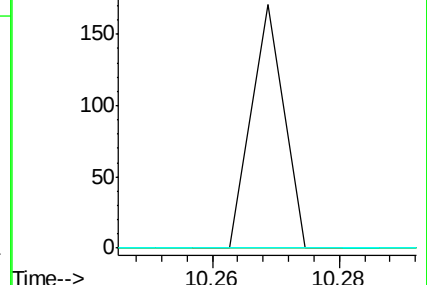
107 0.0 104.2 156.4#

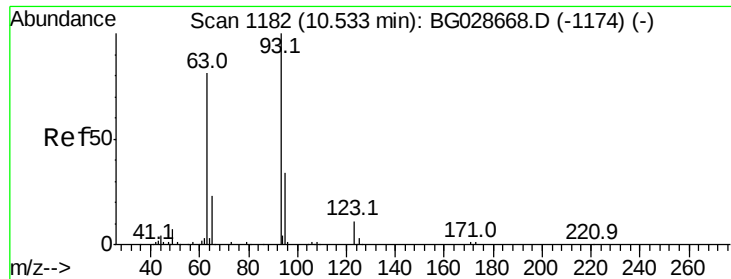
121 0.0 46.0 69.0#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

10.27

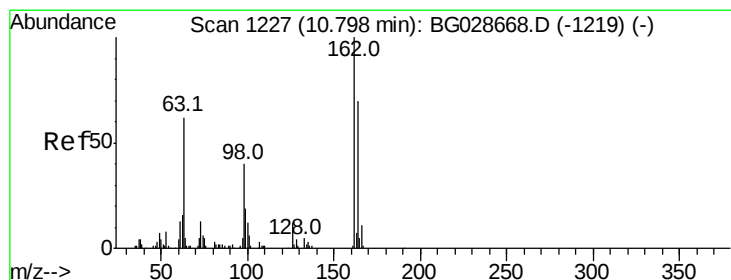
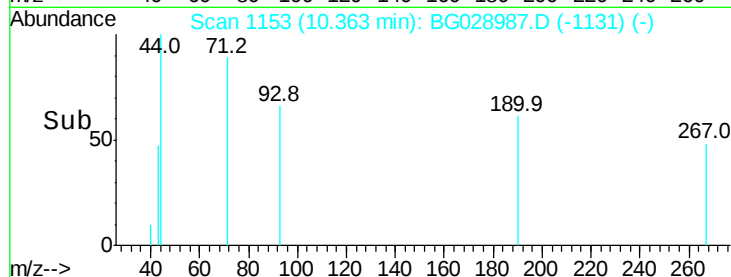
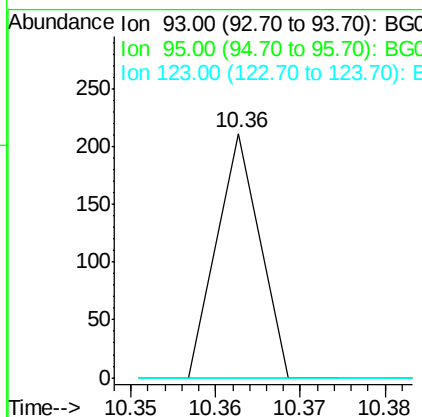
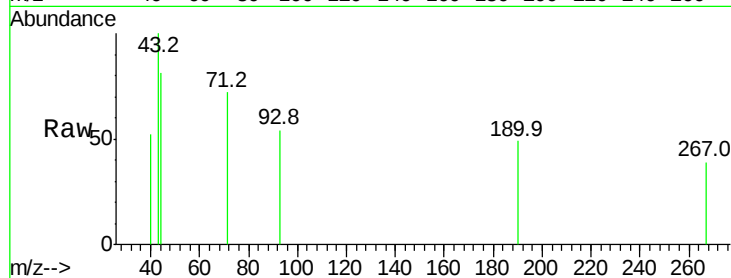




#28
 bis(2-Chloroethoxy)methane
 Concen: 24.406 ng
 RT: 10.36 min Scan# 1153
 Delta R.T. -0.17 min
 Lab File: BG028987.D
 Acq: 30 Sep 2017 20:05

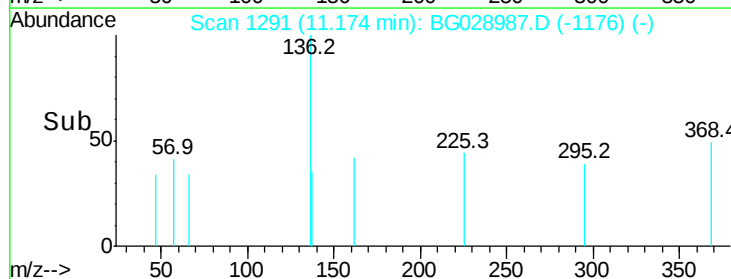
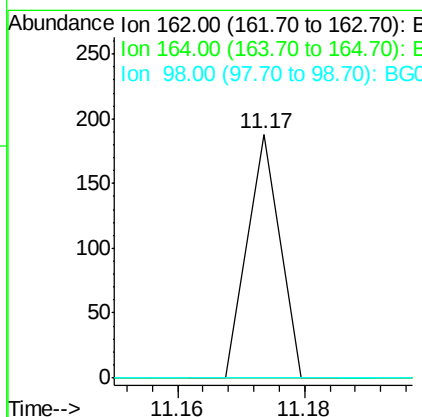
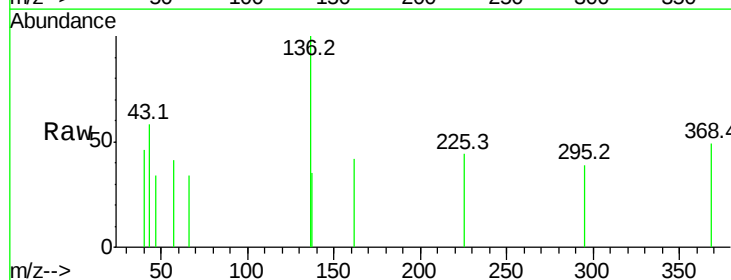
Instrument :
 BNA_G
 ClientSampleId :

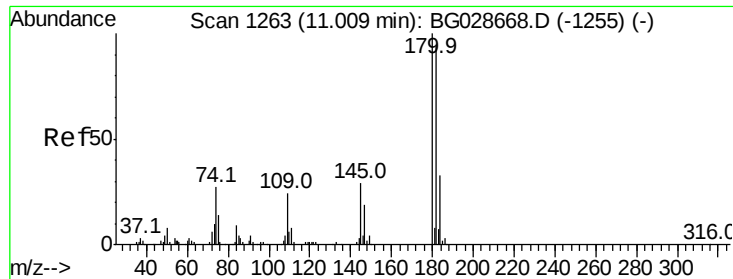
Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	25.7	38.5#
123	0.0	8.3	12.5#



#29
 2,4-Dichlorophenol
 Concen: 27.906 ng
 RT: 11.17 min Scan# 1291
 Delta R.T. 0.38 min
 Lab File: BG028987.D
 Acq: 30 Sep 2017 20:05

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	42.4	82.4#
98	0.0	20.3	60.3#

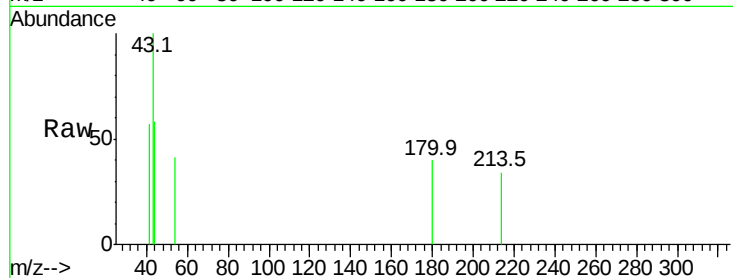




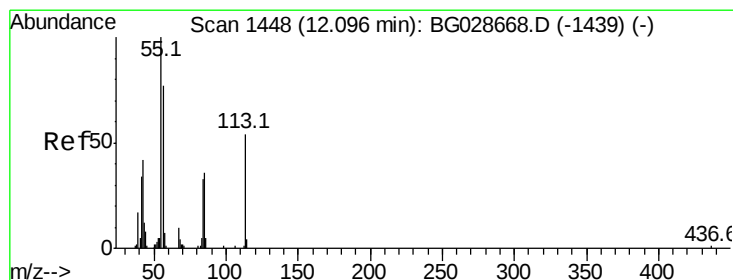
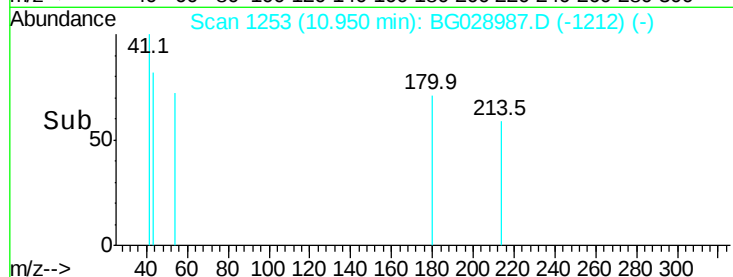
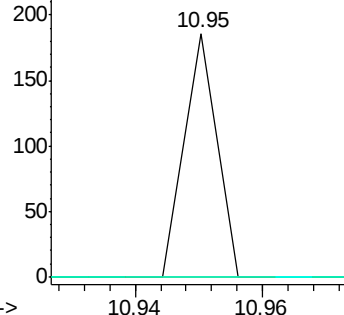
#30
 1,2,4-Trichlorobenzene
 Concen: 24.462 ng
 RT: 10.95 min Scan# 1253
 Delta R.T. -0.06 min
 Lab File: BG028987.D
 Acq: 30 Sep 2017 20:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
145	0.0	23.4	35.0#

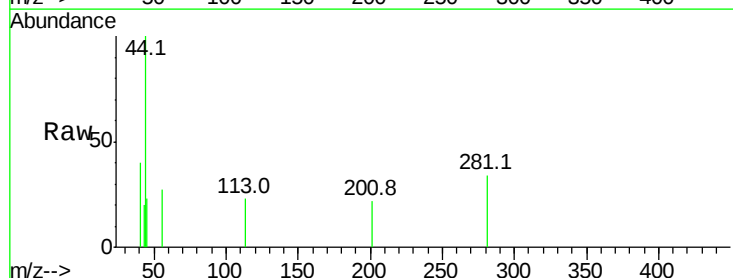


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

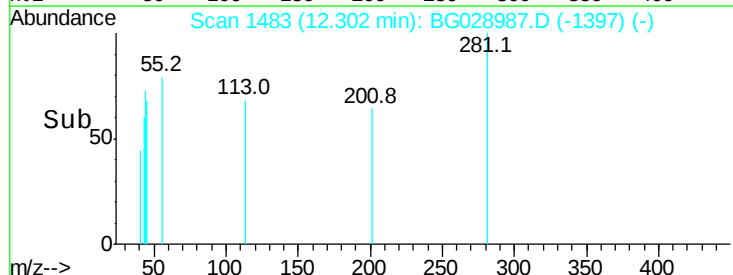
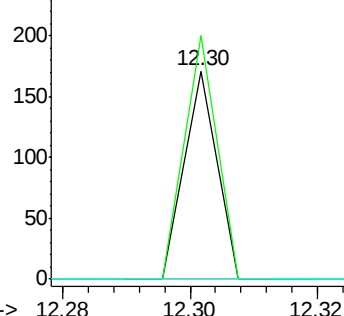


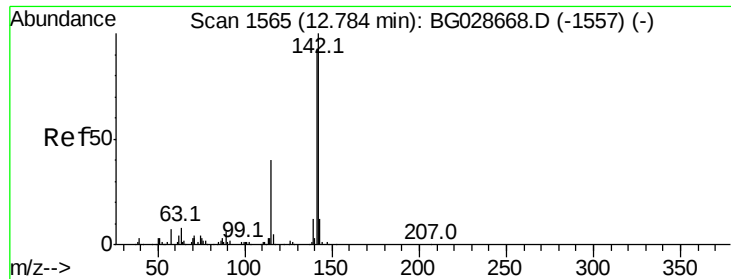
#35
 Caprolactam
 Concen: 70.745 ng
 RT: 12.30 min Scan# 1483
 Delta R.T. 0.21 min
 Lab File: BG028987.D
 Acq: 30 Sep 2017 20:05

Tgt Ion	Ratio	Lower	Upper
113	100		
55	117.0	198.6	238.6#
56	0.0	140.4	180.4#



Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG0
 Ion 56.00 (55.70 to 56.70): BG0

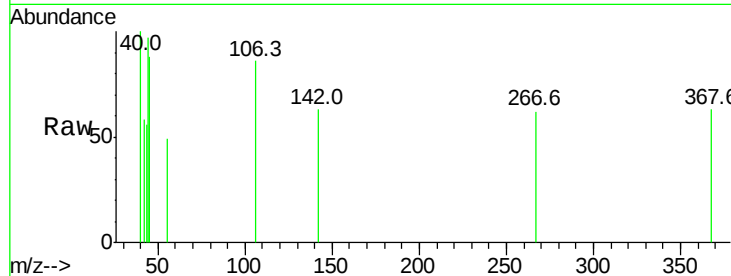




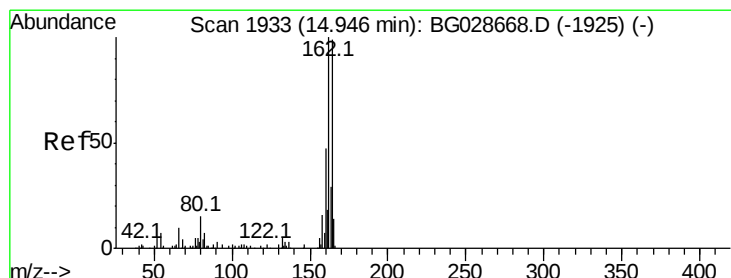
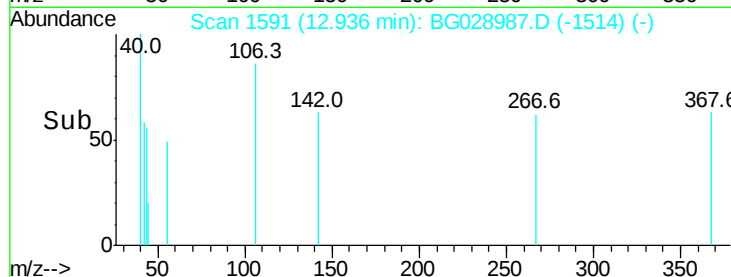
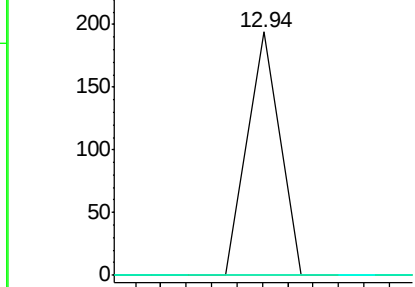
#37
2-Methylnaphthalene
Concen: 13.211 ng
RT: 12.94 min Scan# 1591
Delta R.T. 0.15 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
141 0.0 70.4 105.6#
115 0.0 35.5 53.3#

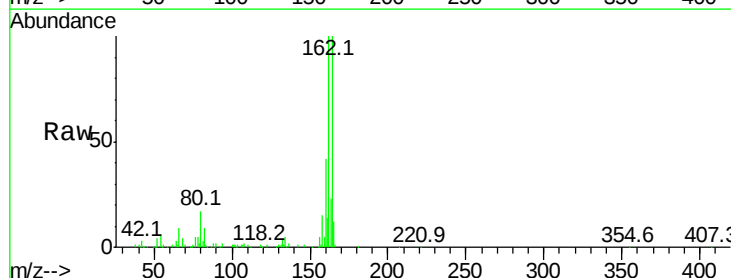


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

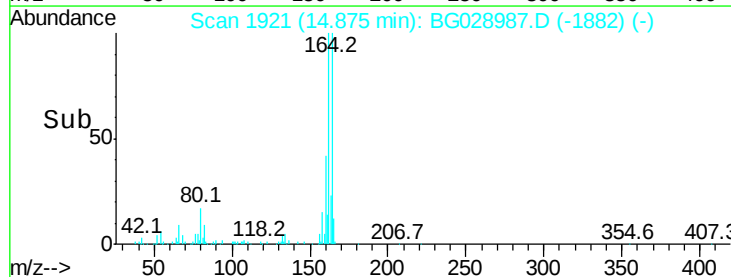
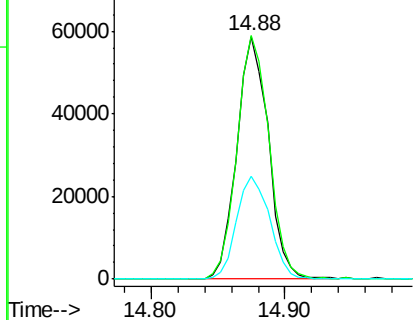


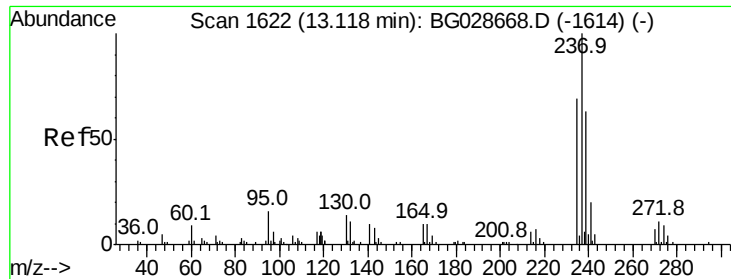
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.88 min Scan# 1921
Delta R.T. -0.07 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Tgt Ion:164 Resp: 96051
Ion Ratio Lower Upper
164 100
162 100.2 85.1 127.7
160 42.3 34.7 52.1



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





#40

Hexachlorocyclopentadiene

Concen: 7.635 ng

RT: 13.31 min Scan# 1655

Delta R.T. 0.19 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Instrument :

BNA_G

ClientSampleId :

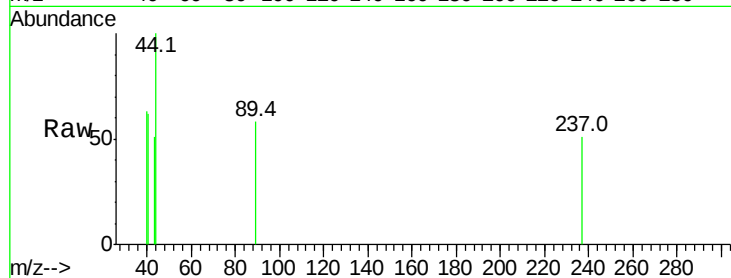
Tot Ion:237 Resp: 54

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

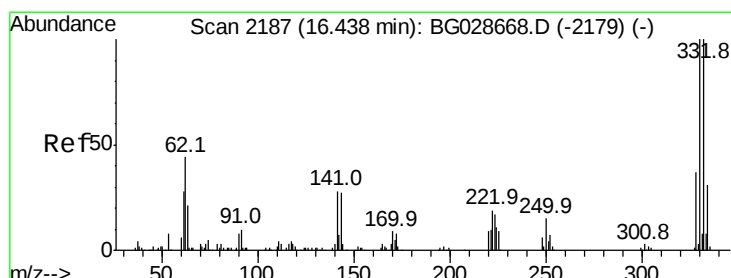
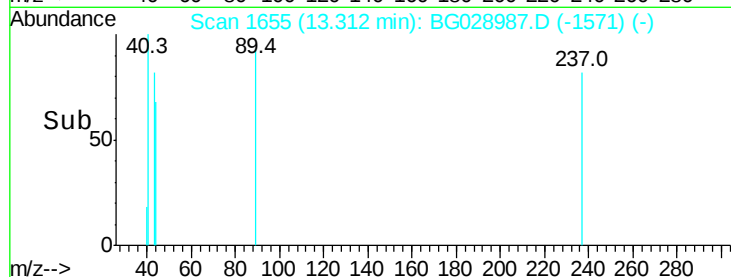
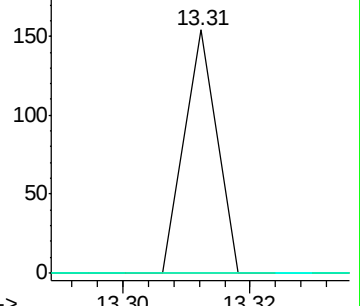
272 0.0 0.0 32.0



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 154.697 ng

RT: 16.37 min Scan# 2175

Delta R.T. -0.07 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

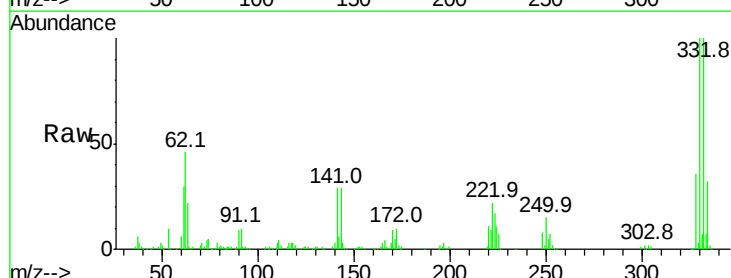
Tgt Ion:330 Resp: 245755

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

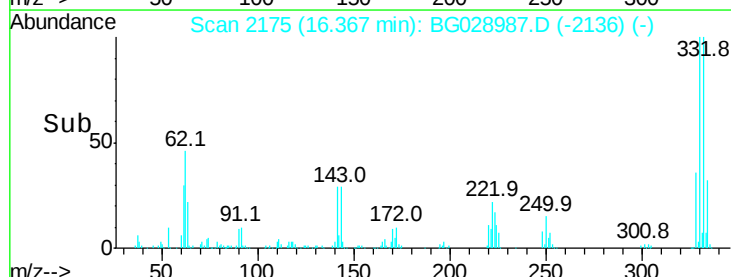
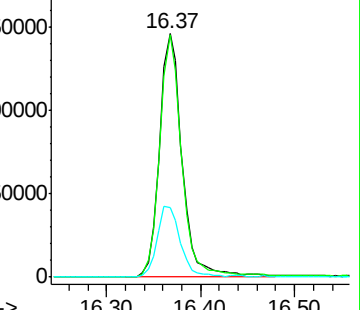
141 29.9 32.1 48.1#

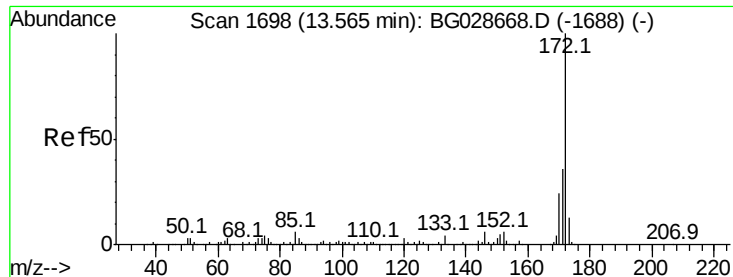


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

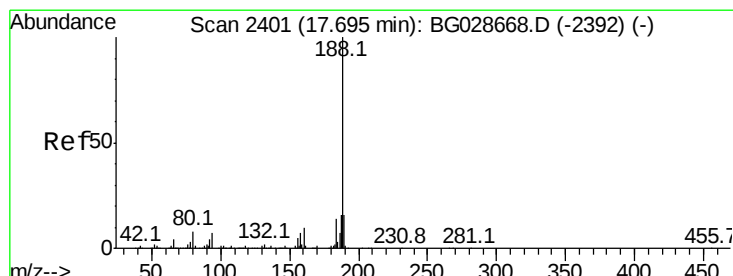
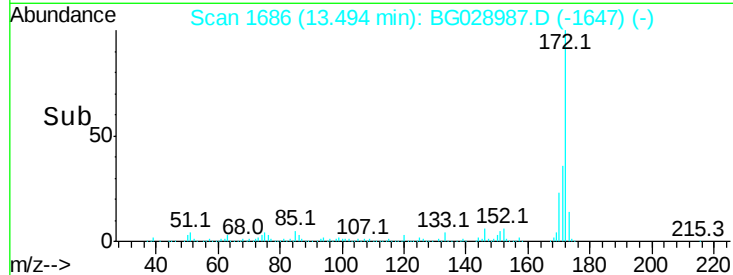
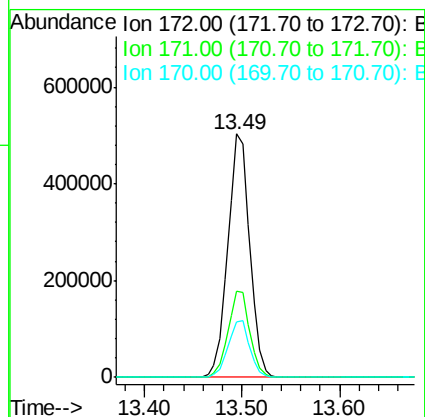
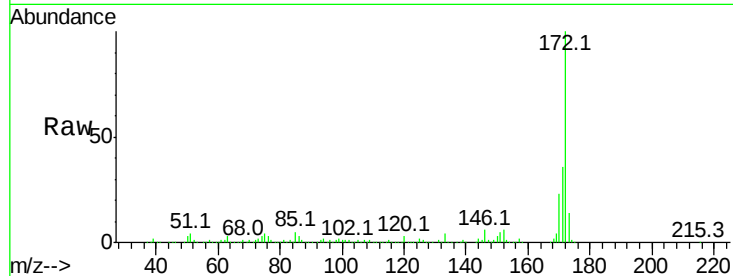




#44
2-Fluorobiphenyl
Concen: 108.657 ng
RT: 13.49 min Scan# 1686
Delta R.T. -0.07 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

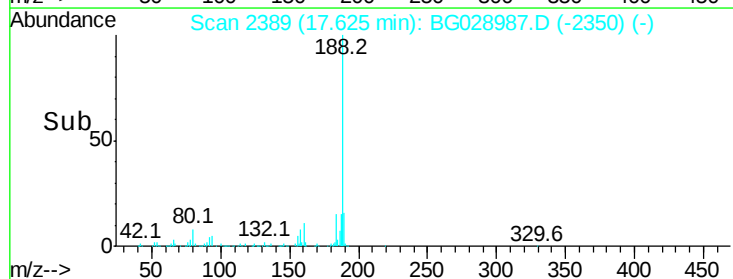
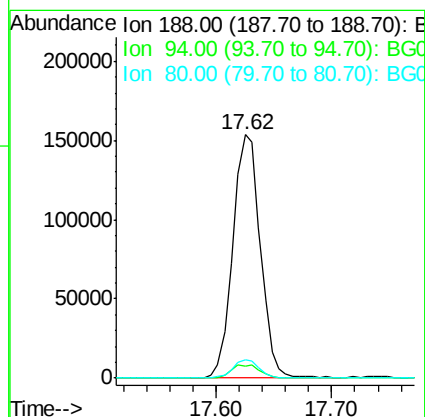
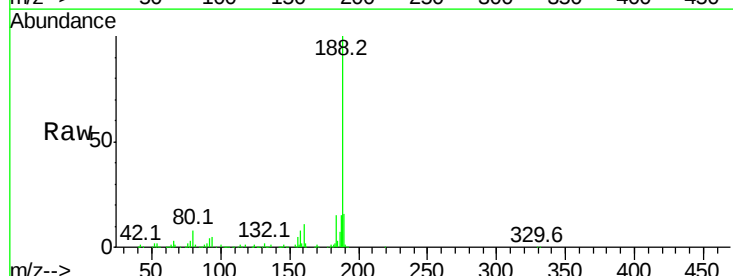
Instrument :
BNA_G
ClientSampleId :

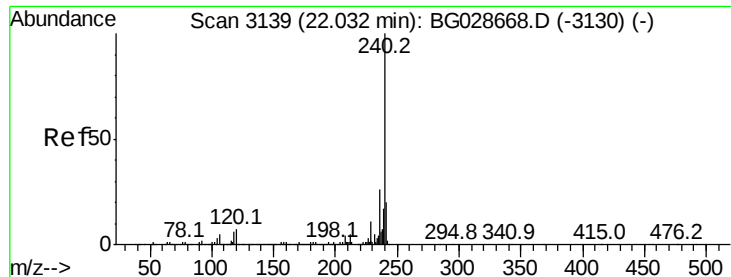
Tot Ion:172 Resp: 782697
Ion Ratio Lower Upper
172 100
171 35.7 32.2 48.2
170 22.7 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.62 min Scan# 2389
Delta R.T. -0.07 min
Lab File: BG028987.D
Acq: 30 Sep 2017 20:05

Tgt Ion:188 Resp: 252925
Ion Ratio Lower Upper
188 100
94 5.2 5.8 8.8#
80 7.6 7.5 11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.94 min Scan# 3123

Delta R.T. -0.09 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

Instrument :

BNA_G

ClientSampleId :

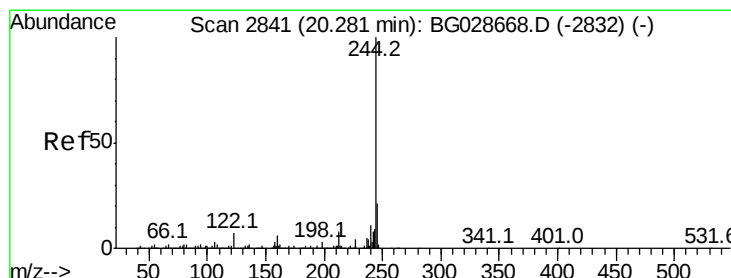
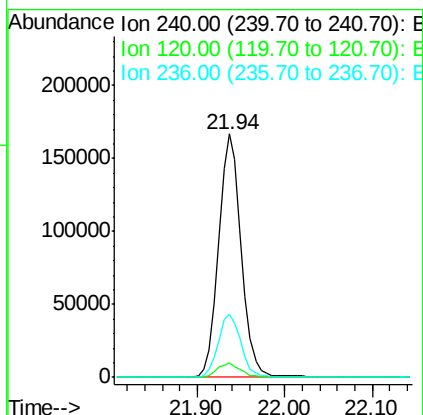
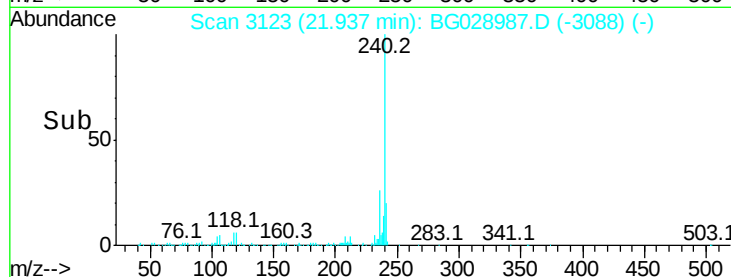
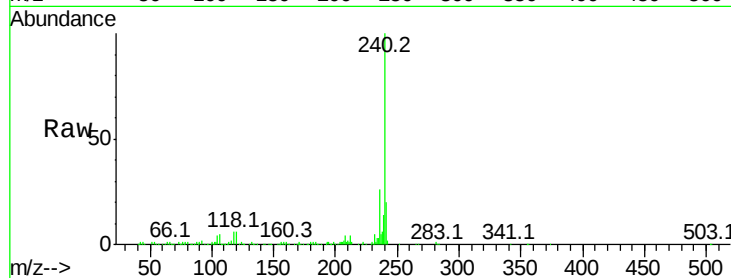
Tot Ion:240 Resp: 298268

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

236 25.7 22.2 33.4



#78

Terphenyl-d14

Concen: 103.754 ng

RT: 20.22 min Scan# 2830

Delta R.T. -0.06 min

Lab File: BG028987.D

Acq: 30 Sep 2017 20:05

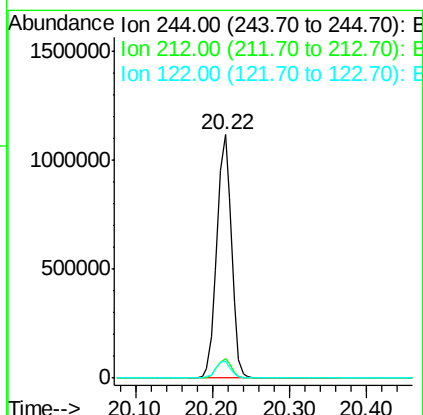
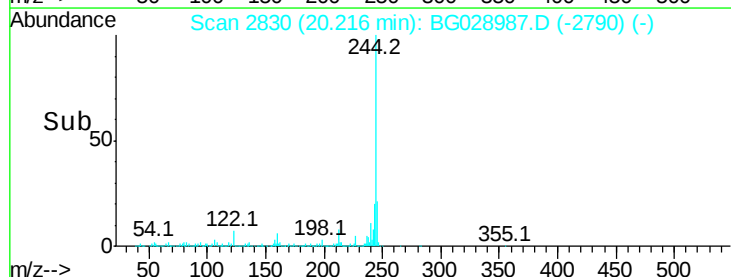
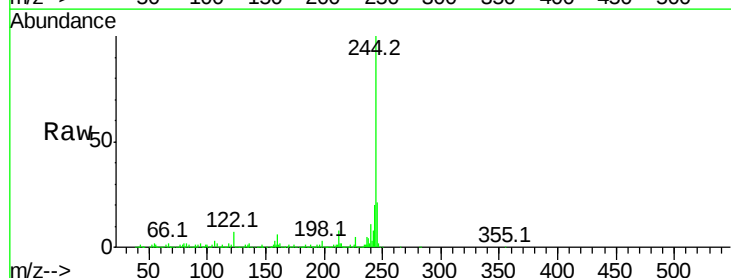
Tgt Ion:244 Resp: 1451136

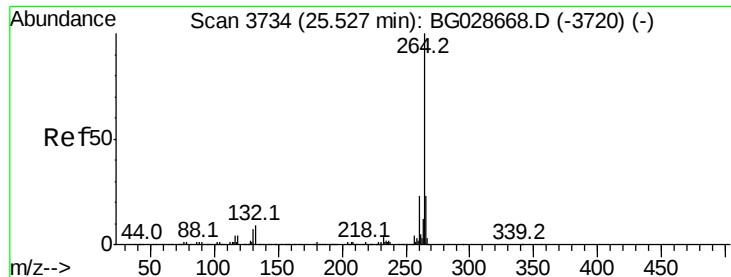
Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

122 7.0 8.6 12.8#

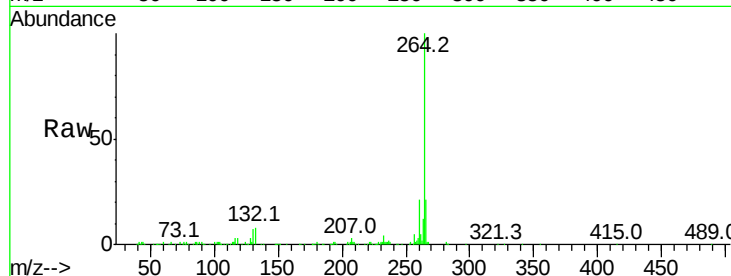




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.36 min Scan# 3706
 Delta R.T. -0.16 min
 Lab File: BG028987.D
 Acq: 30 Sep 2017 20:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	21.8	32.8#
265	21.0	18.2	27.4



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

