

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032076.D
 Acq On : 16 Jan 2018 19:15
 Operator : SJ/JU
 Sample : J1149-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 00:54:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	56696	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	221339	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	149100	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	361411	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	456067	20.00	ng	-0.02
86) Perylene-d12	26.18	264	473537	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	213314	68.81	ng	0.00
7) Phenol-d6	7.87	99	157724	40.40	ng	0.00
23) Nitrobenzene-d5	9.96	82	368728	112.71	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	397887	161.27	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1227688	102.10	ng	0.00
78) Terphenyl-d14	20.66	244	2009829	97.31	ng	-0.01

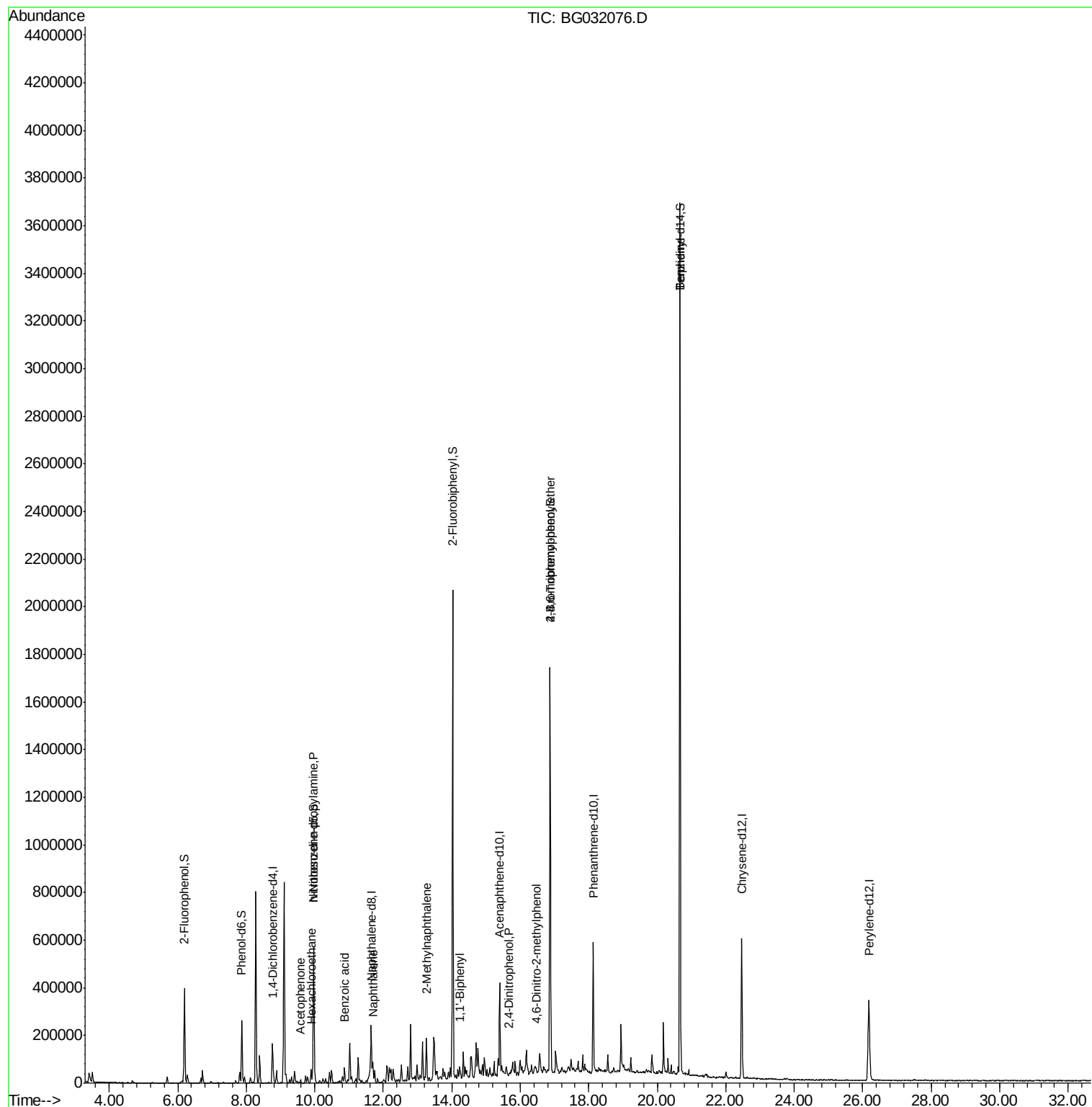
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.90	117	10756	7.656	ng	# 1
19) n-Nitroso-di-n-propylamine	9.96	70	50377	20.796	ng	# 73
22) Acetophenone	9.59	105	12512	2.489	ng	# 53
31) Naphthalene	11.70	128	54053	4.930	ng	# 93
32) Benzoic acid	10.86	122	503	5.438	ng	# 1
37) 2-Methylnaphthalene	13.26	142	97011	11.144	ng	95
45) 1,1'-Biphenyl	14.23	154	27069	2.118	ng	99
53) 2,4-Dinitrophenol	15.66	184	85	7.021	ng	# 78
64) 4,6-Dinitro-2-methylphenol	16.47	198	59	4.907	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	33355	6.486	ng	# 1
76) Benzidine	20.66	184	29114	2.553	ng	# 90

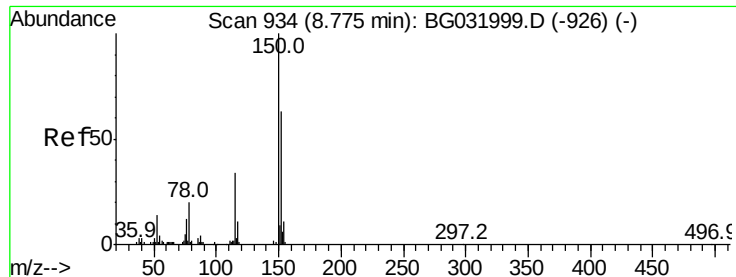
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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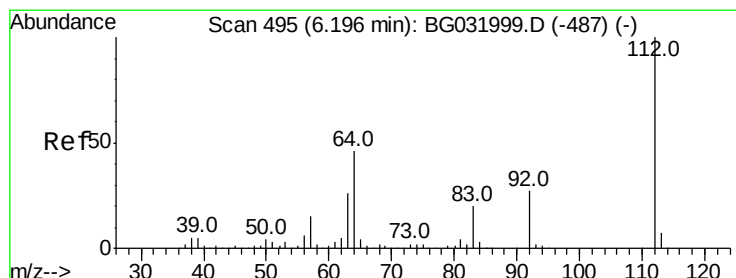
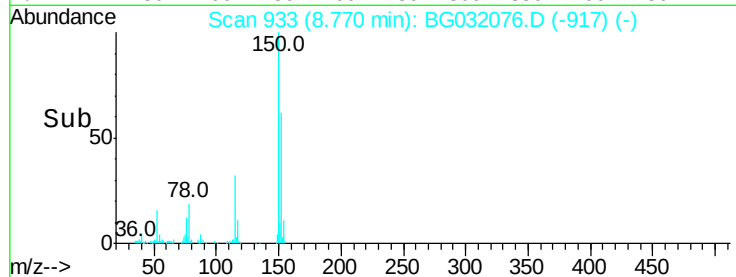
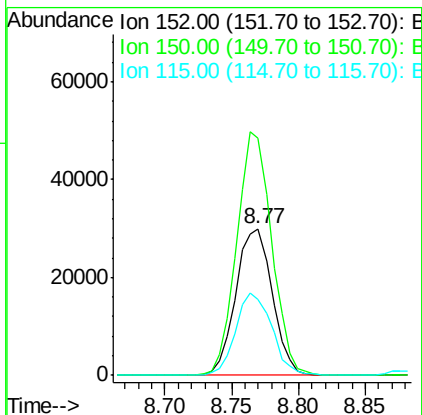
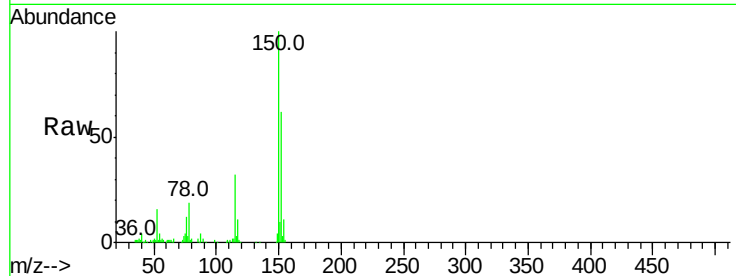


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BG032076.D
 Acq: 16 Jan 2018 19:15

Instrument :
 BNA_G
 ClientSampleId :

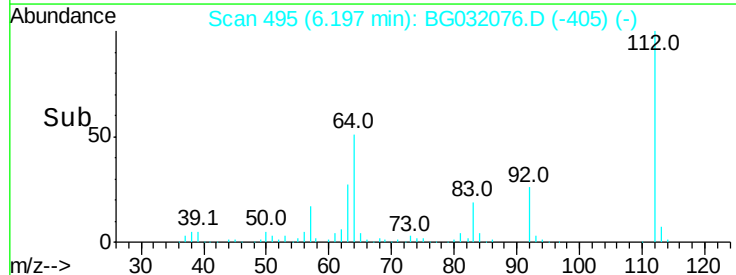
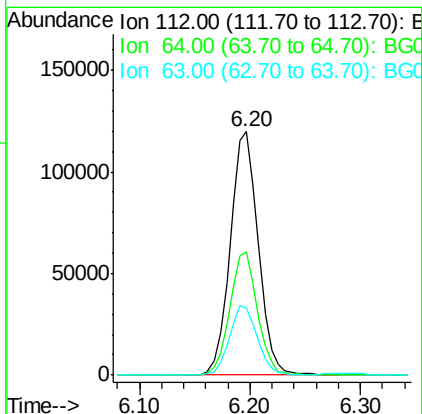
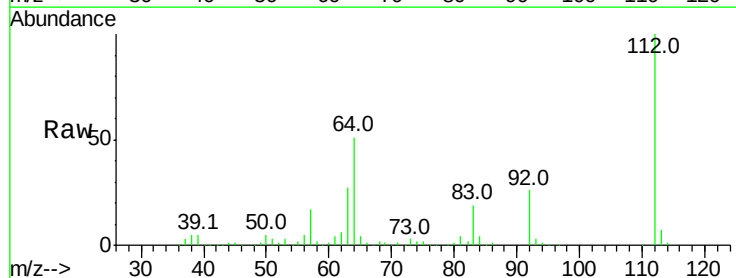
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.6	189.8
115	51.8	53.0	79.4

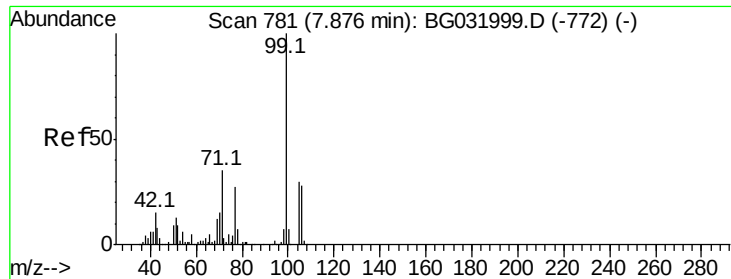


#5

2-Fluorophenol
 Concen: 68.812 ng
 RT: 6.20 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BG032076.D
 Acq: 16 Jan 2018 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	56.3	84.5
63	27.4	30.1	45.1





#7

Phenol-d6

Concen: 40.399 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

Instrument :

BNA_G

ClientSampled :

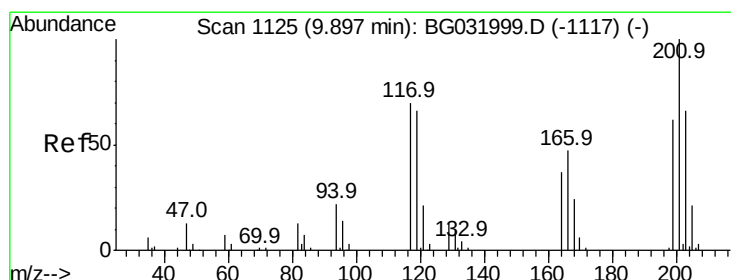
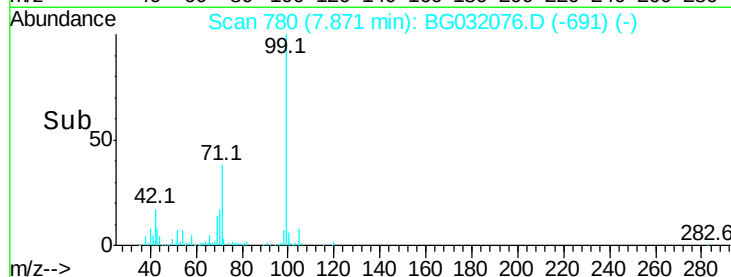
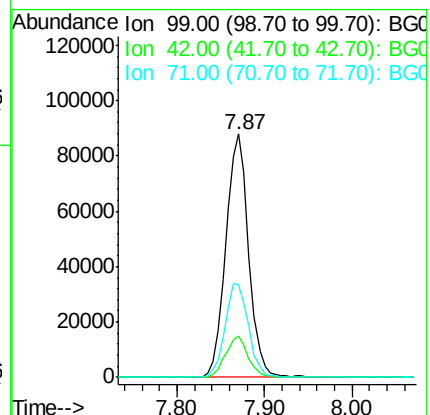
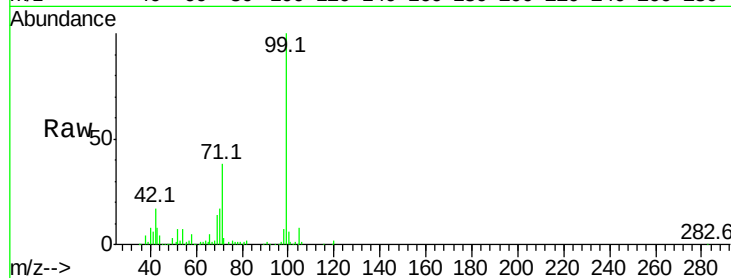
Tot Ion: 99 Resp: 157724

Ion Ratio Lower Upper

99 100

42 16.9 14.1 21.1

71 38.2 26.1 39.1



#18

Hexachloroethane

Concen: 7.656 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

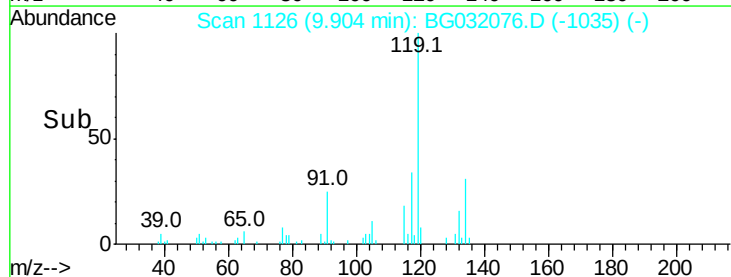
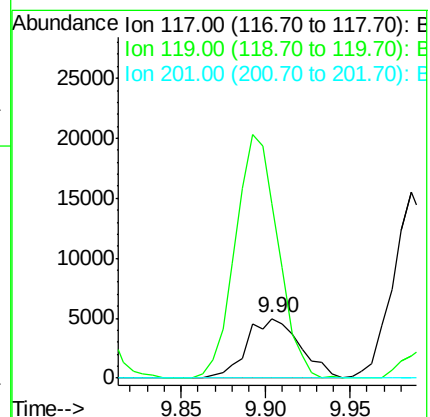
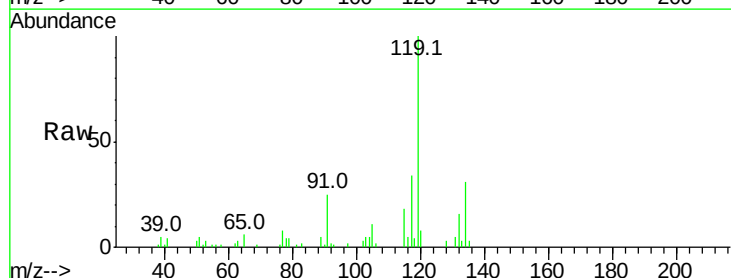
Tgt Ion: 117 Resp: 10756

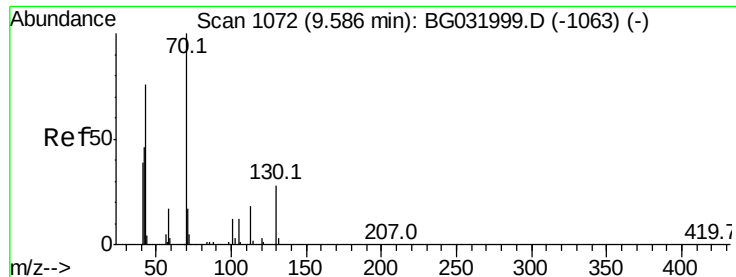
Ion Ratio Lower Upper

117 100

119 291.8 76.7 115.1#

201 0.0 95.7 143.5#

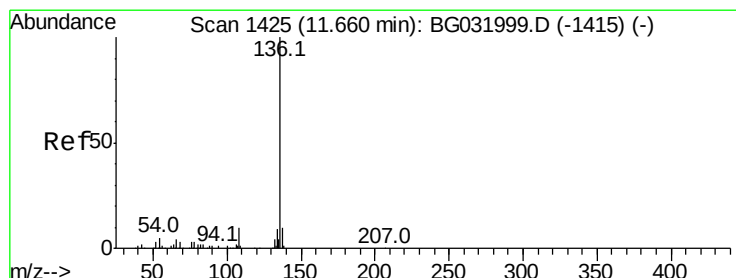
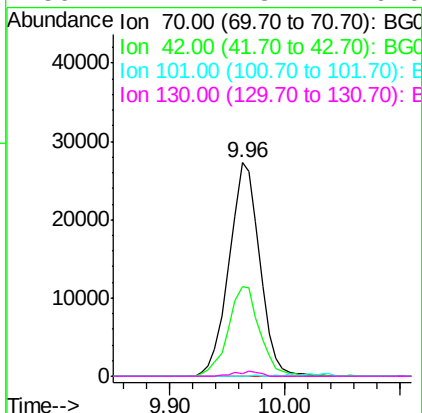
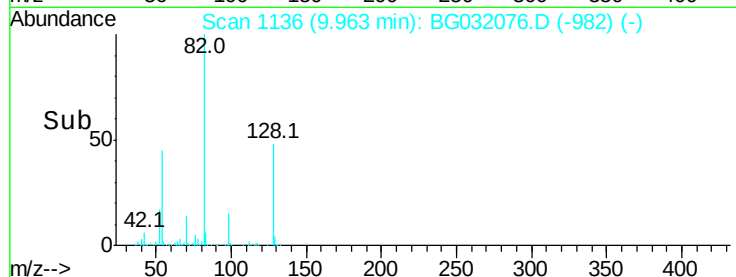
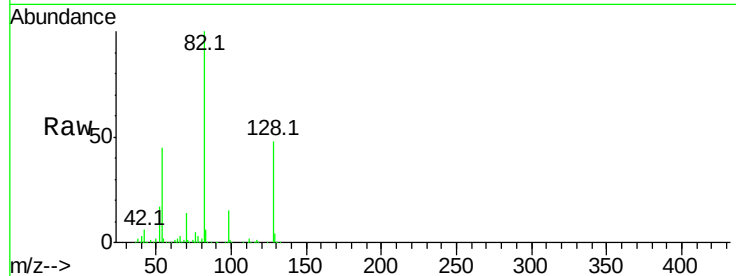




#19
n-Nitroso-di-n-propylamine
Concen: 20.796 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

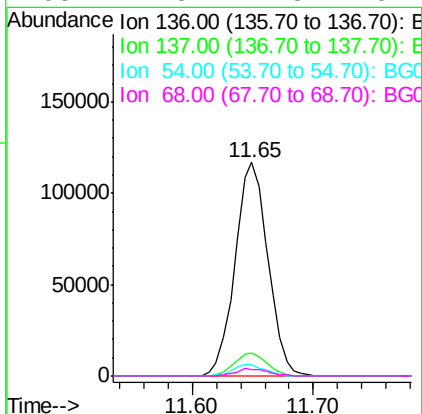
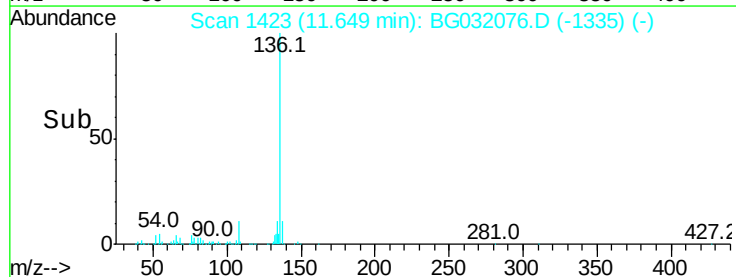
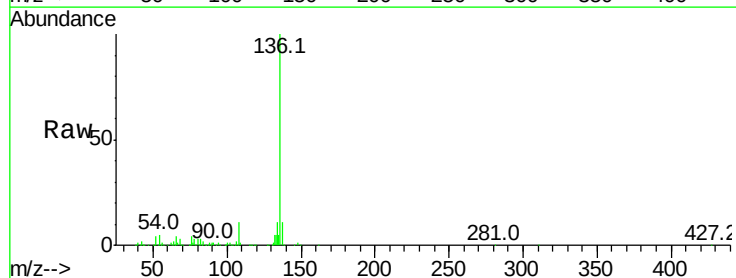
Instrument :
BNA_G
ClientSampleId :

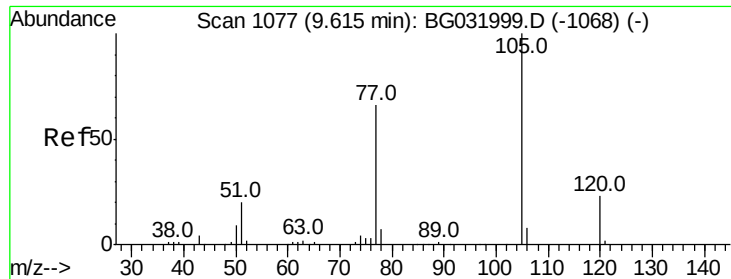
Tot Ion: 70 Resp: 50377
Ion Ratio Lower Upper
70 100
42 42.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Tgt Ion: 136 Resp: 221339
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 5.5 10.3 15.5#
68 2.8 4.5 6.7#

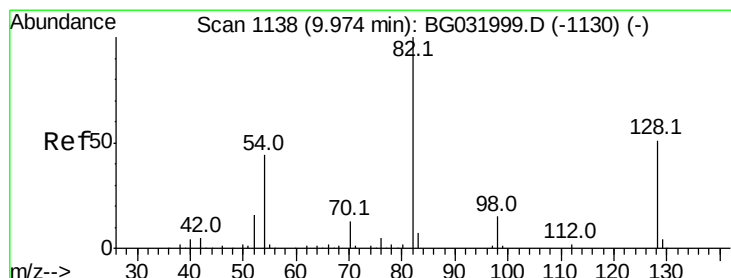
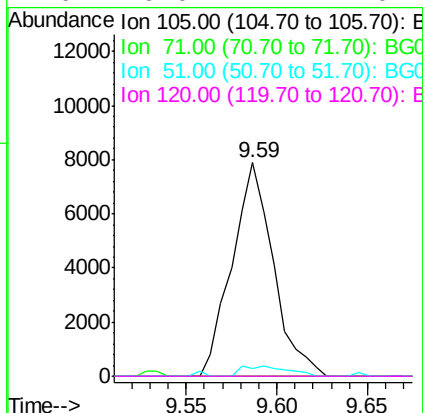
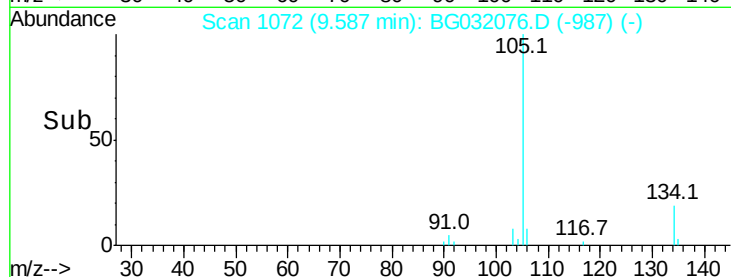
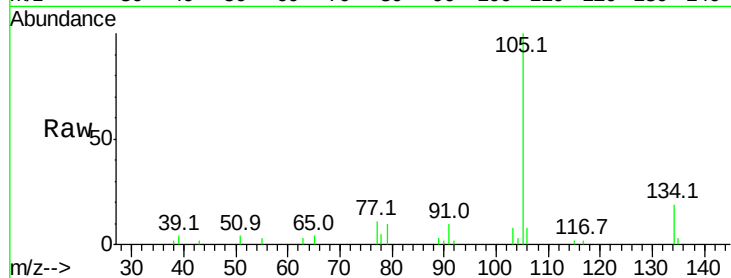




#22
Acetophenone
Concen: 2.489 ng
RT: 9.59 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

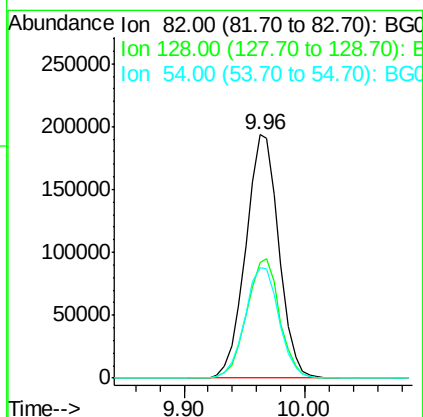
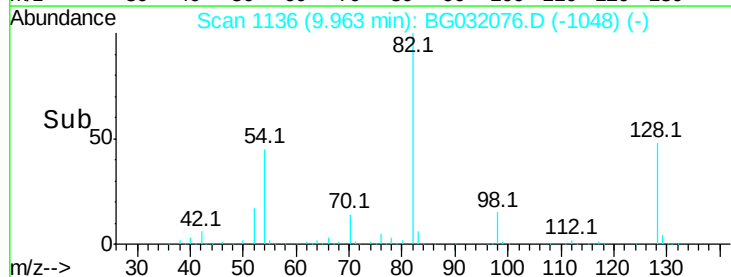
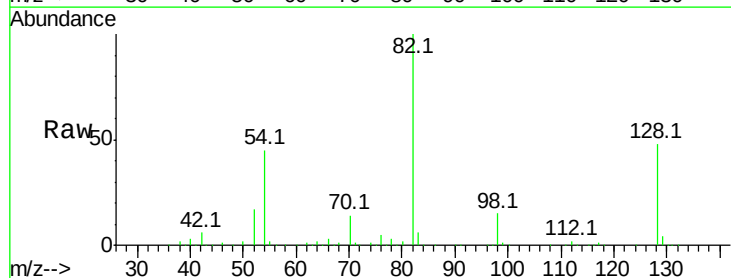
Instrument :
BNA_G
ClientSampleId :

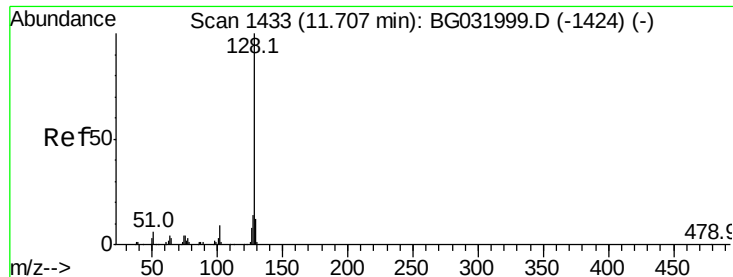
Tot Ion:105 Resp: 12512
Ion Ratio Lower Upper
105 100
71 0.0 3.0 4.4#
51 3.7 26.1 39.1#
120 0.0 17.4 26.2#



#23
Nitrobenzene-d5
Concen: 112.705 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Tgt Ion: 82 Resp: 368728
Ion Ratio Lower Upper
82 100
128 47.5 29.7 44.5#
54 45.4 43.1 64.7

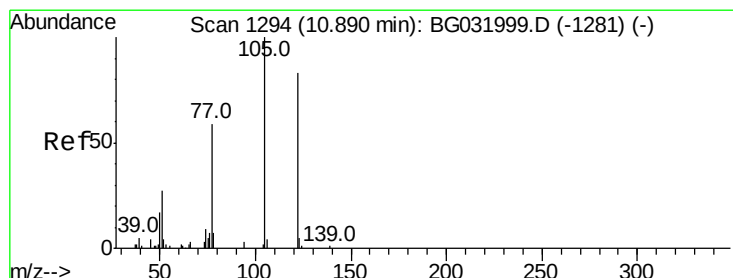
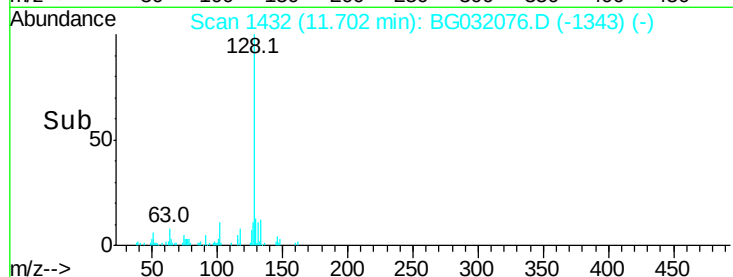
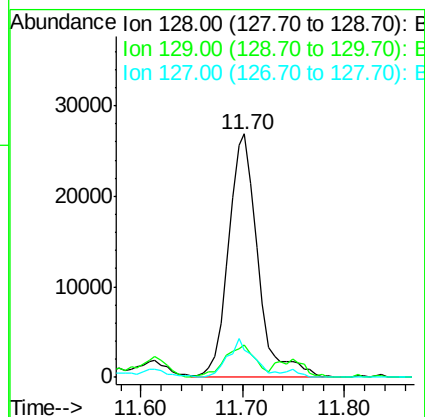
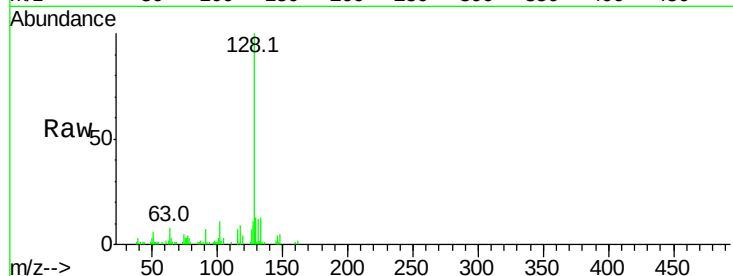




#31
Naphthalene
Concen: 4.930 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

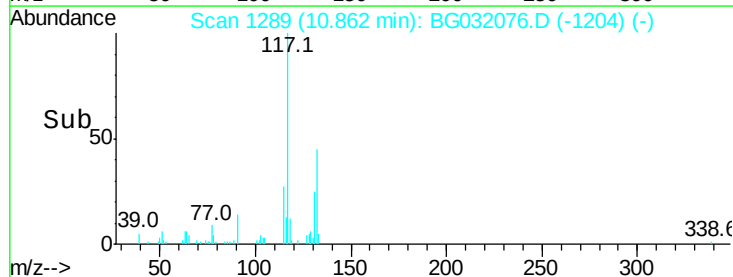
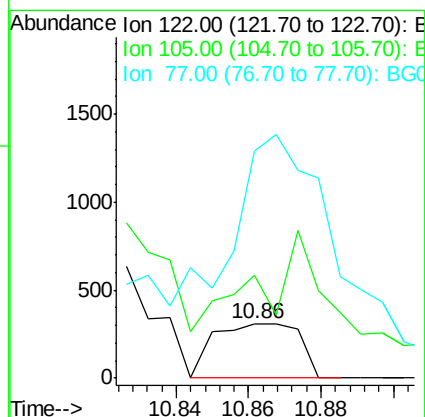
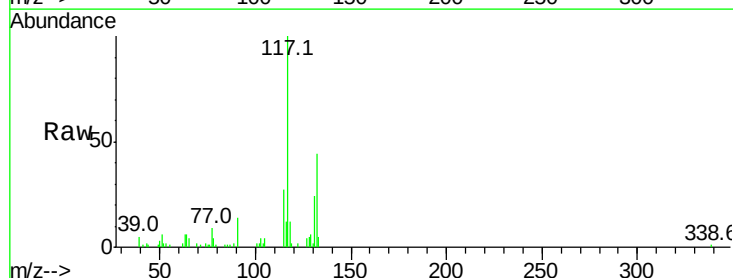
Instrument :
BNA_G
ClientSampleId :

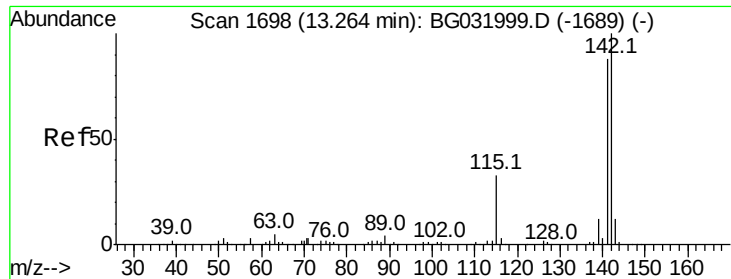
Tot Ion:128 Resp: 54053
Ion Ratio Lower Upper
128 100
129 13.4 8.6 12.8#
127 11.3 11.6 17.4#



#32
Benzoic acid
Concen: 5.438 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Tgt Ion:122 Resp: 503
Ion Ratio Lower Upper
122 100
105 187.8 123.5 163.5#
77 415.4 85.7 125.7#

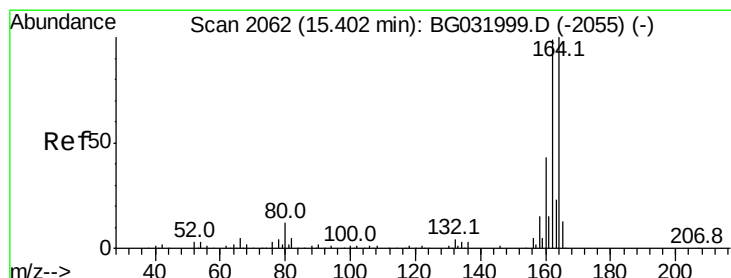
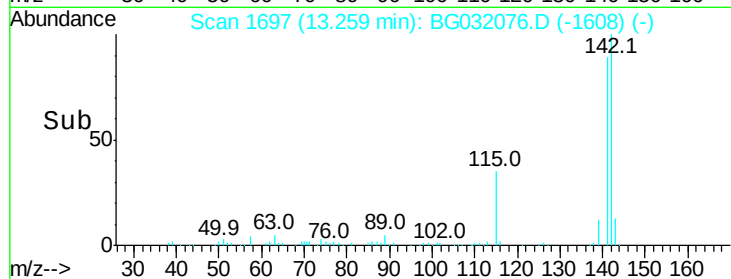
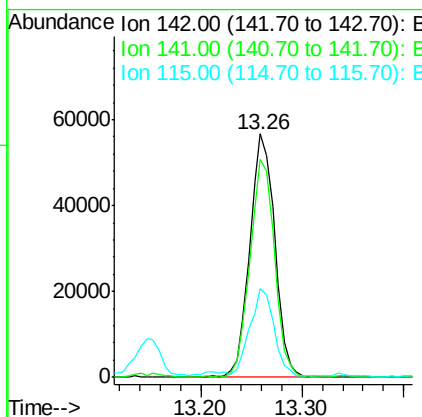
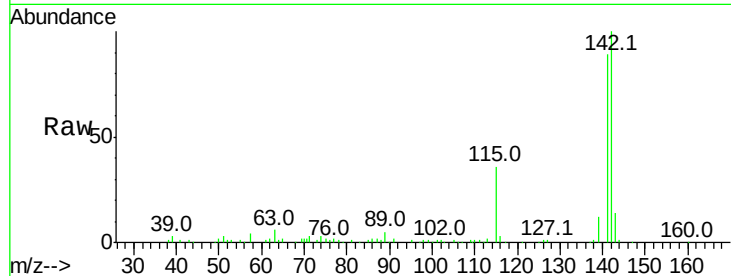




#37
2-Methylnaphthalene
Concen: 11.144 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

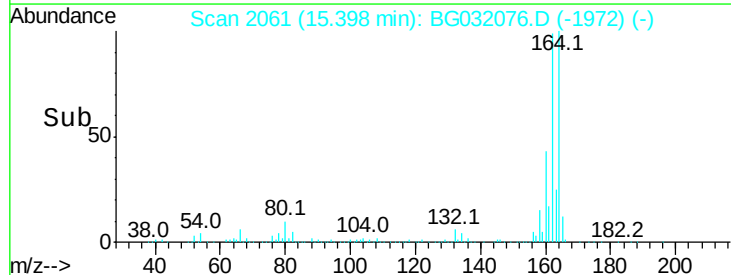
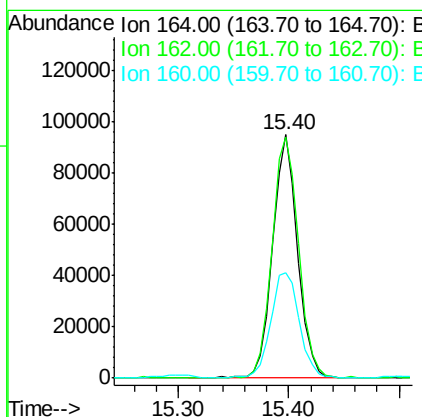
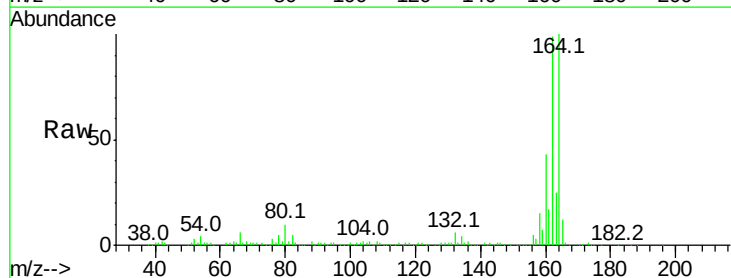
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BNA_G
ClientSampleId :

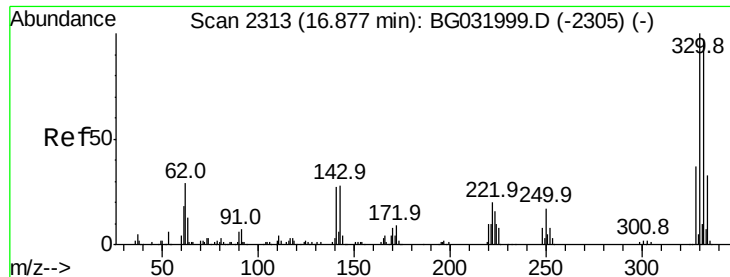
Tot Ion:142 Resp: 97011
Ion Ratio Lower Upper
142 100
141 89.4 67.1 100.7
115 36.3 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Tgt Ion:164 Resp: 149100
Ion Ratio Lower Upper
164 100
162 99.0 78.8 118.2
160 43.1 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 161.267 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.00 min

Lab File: BG032076.D

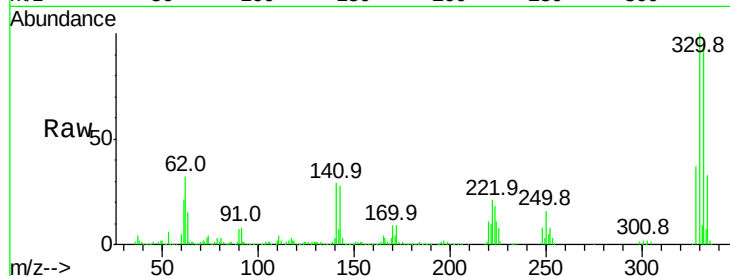
Acq: 16 Jan 2018 19:15

Instrument :

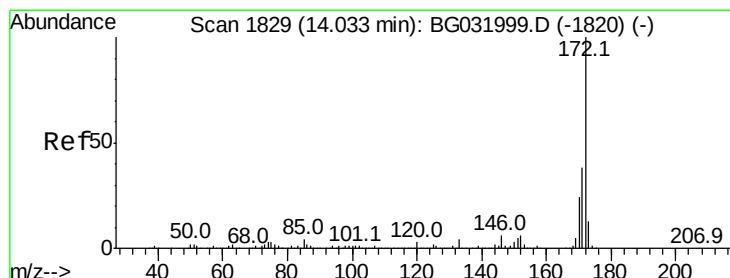
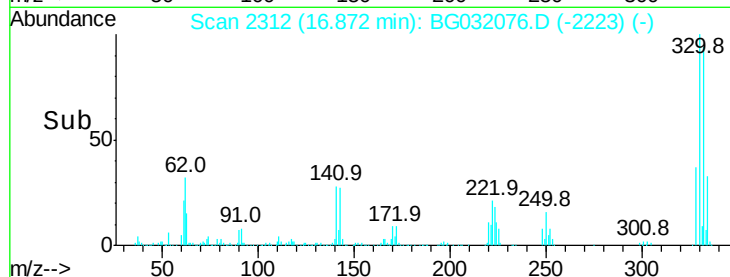
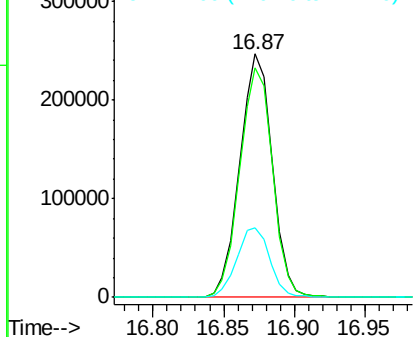
BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	397887
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	28.8	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: 102.097 ng

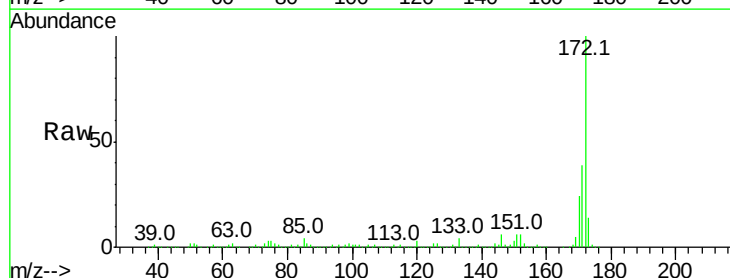
RT: 14.03 min Scan# 1828

Delta R.T. -0.00 min

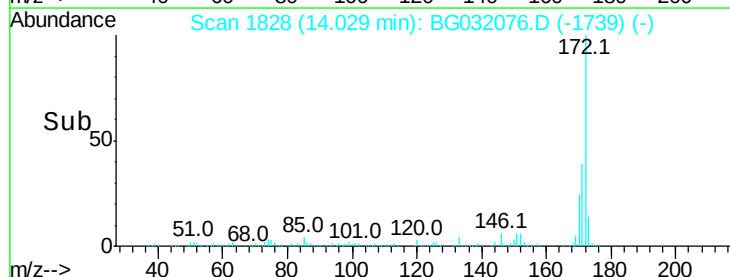
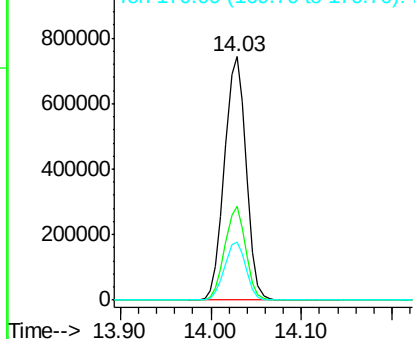
Lab File: BG032076.D

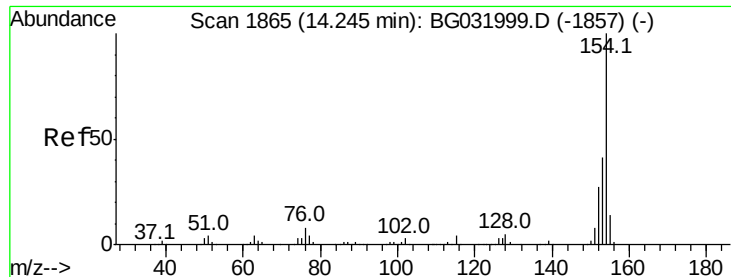
Acq: 16 Jan 2018 19:15

Tgt Ion:	172	Resp:	1227688
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	23.9	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





#45

1,1'-Biphenyl

Concen: 2.118 ng

RT: 14.23 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

Instrument :

BNA_G

ClientSampleId :

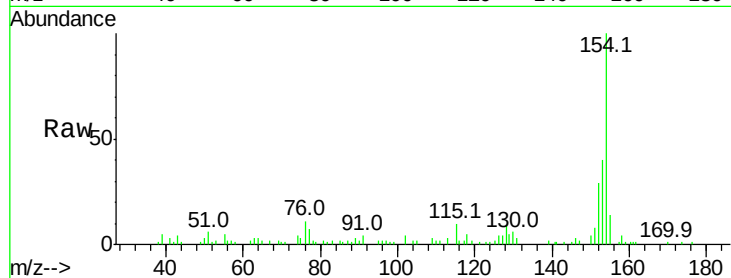
Tot Ion:154 Resp: 27069

Ion Ratio Lower Upper

154 100

153 40.2 19.8 59.8

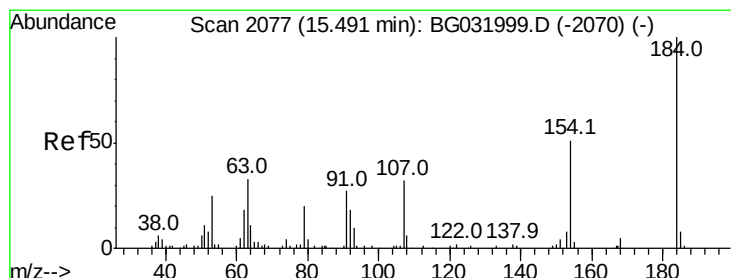
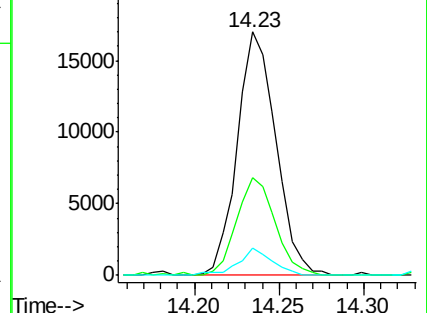
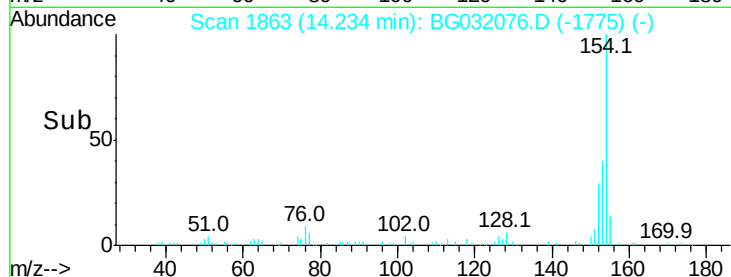
76 11.2 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#53

2,4-Dinitrophenol

Concen: 7.021 ng

RT: 15.66 min Scan# 2106

Delta R.T. 0.17 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

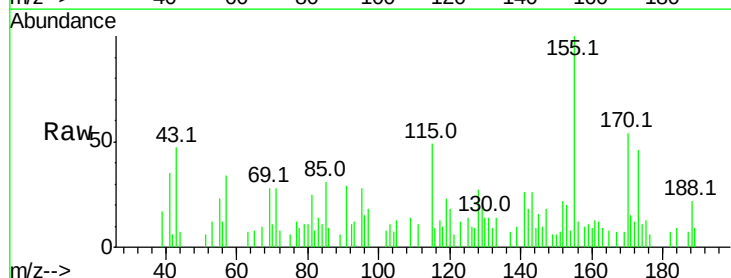
Tgt Ion:184 Resp: 85

Ion Ratio Lower Upper

184 100

63 75.8 59.8 89.8

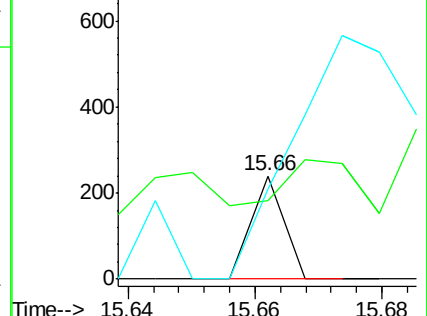
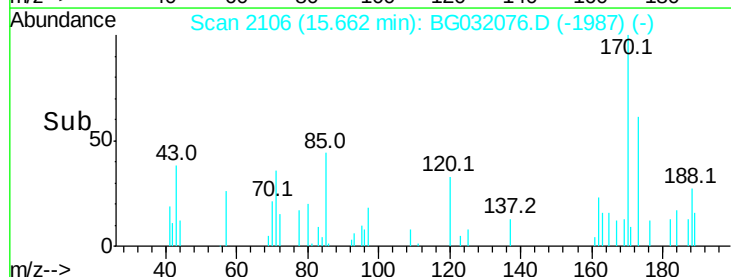
154 87.1 101.8 152.8#

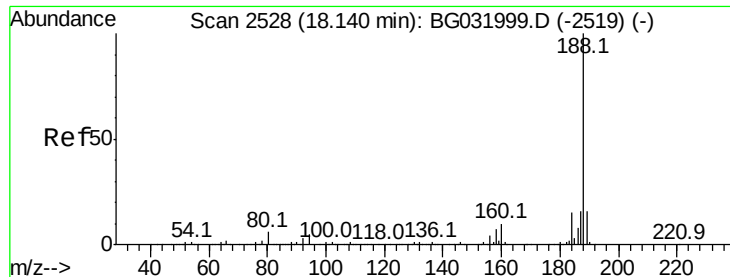


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

Instrument :

BNA_G

ClientSampleId :

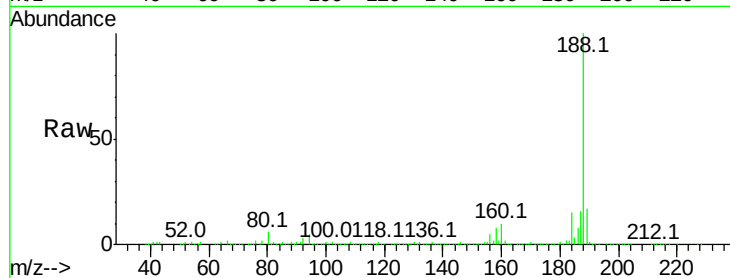
Tot Ion:188 Resp: 361411

Ion Ratio Lower Upper

188 100

94 4.7 6.9 10.3#

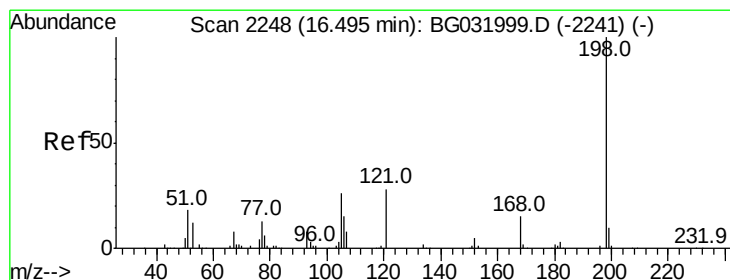
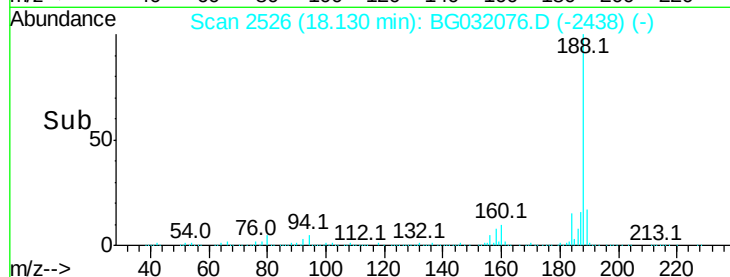
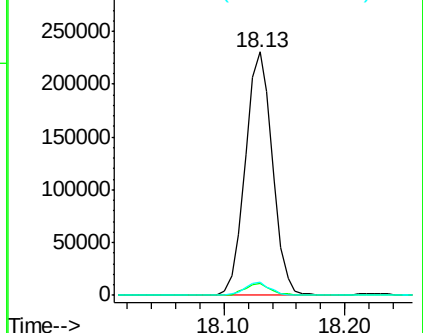
80 5.6 7.7 11.5#



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: 4.907 ng

RT: 16.47 min Scan# 2243

Delta R.T. -0.03 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

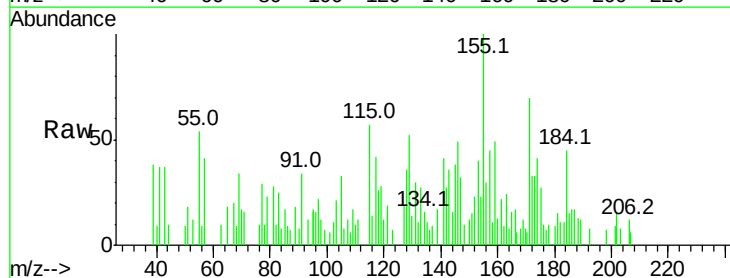
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 265.9 30.6 70.6#

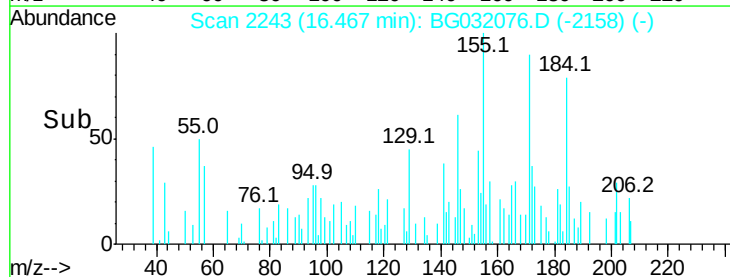
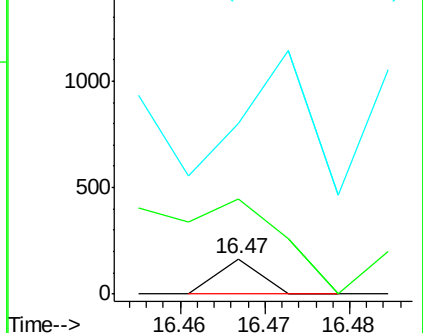
105 480.2 23.8 63.8#

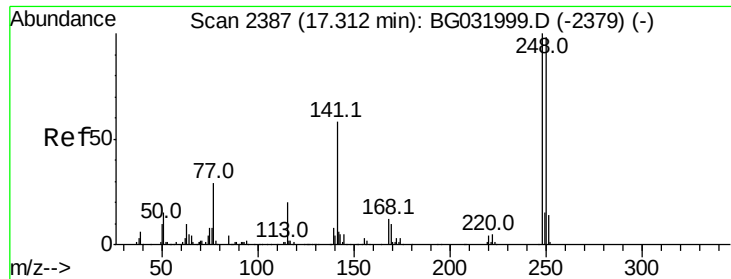


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

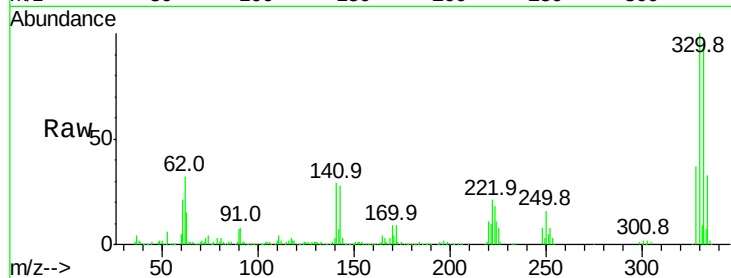




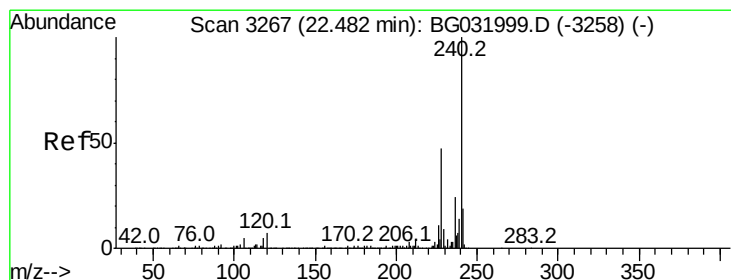
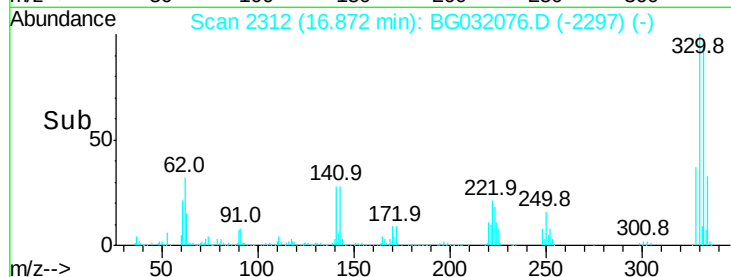
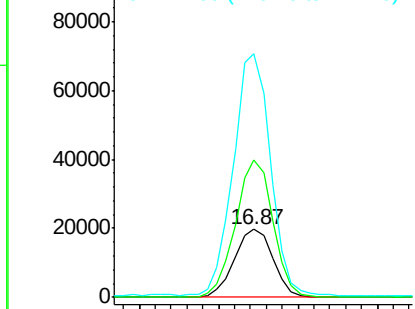
#66
4-Bromophenyl-phenylether
Concen: 6.486 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 33355
Ion Ratio Lower Upper
248 100
250 203.4 77.1 115.7#
141 359.5 50.8 76.2#

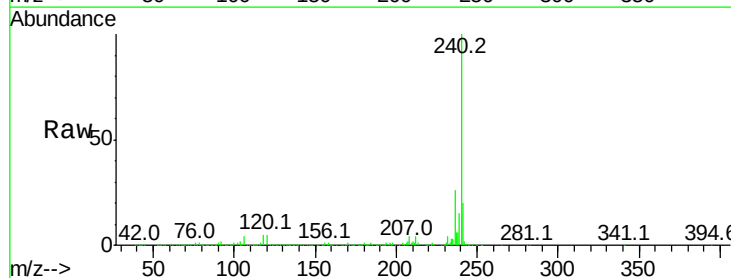


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

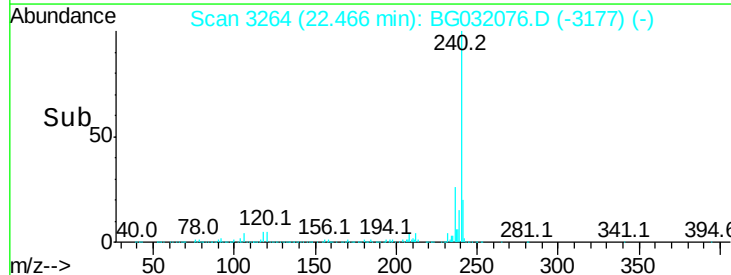
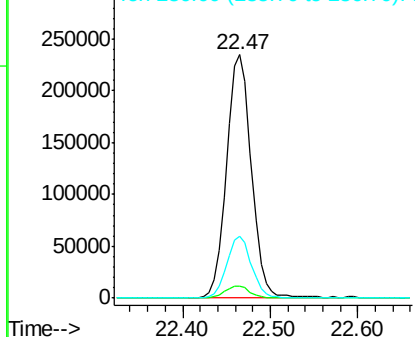


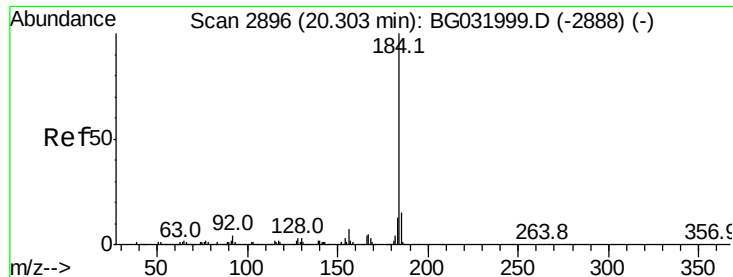
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3264
Delta R.T. -0.02 min
Lab File: BG032076.D
Acq: 16 Jan 2018 19:15

Tgt Ion:240 Resp: 456067
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 25.6 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: 2.553 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

Instrument :

BNA_G

ClientSampled :

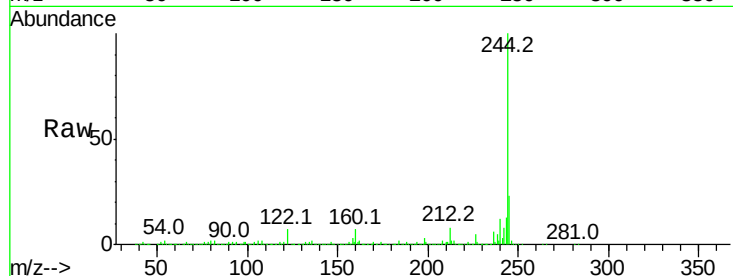
Tot Ion:184 Resp: 29114

Ion Ratio Lower Upper

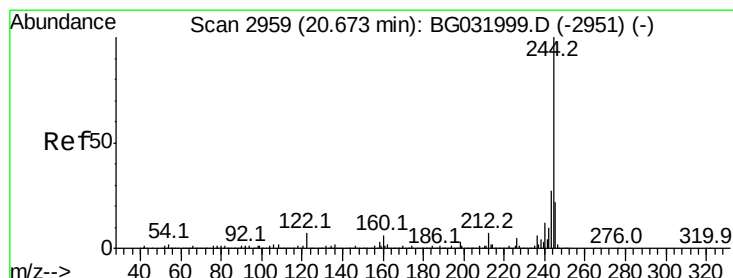
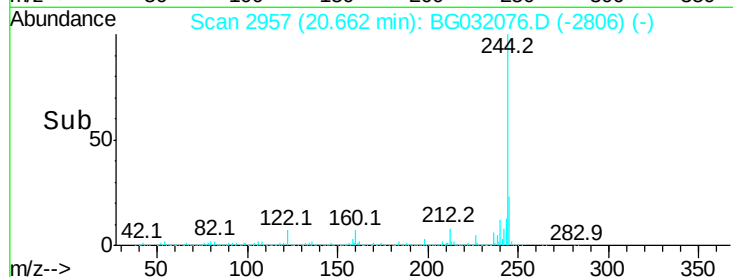
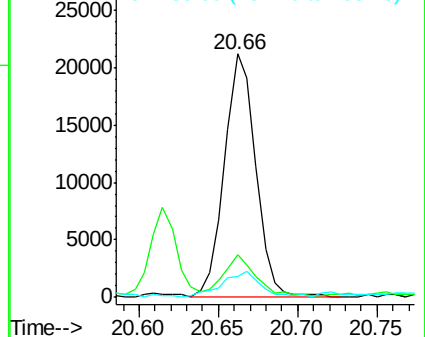
184 100

185 17.7 11.1 16.7#

183 8.8 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: 97.306 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032076.D

Acq: 16 Jan 2018 19:15

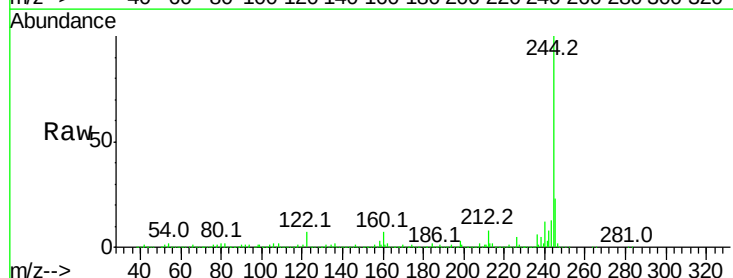
Tgt Ion:244 Resp: 2009829

Ion Ratio Lower Upper

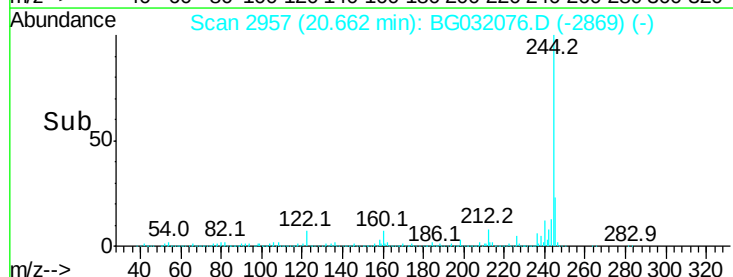
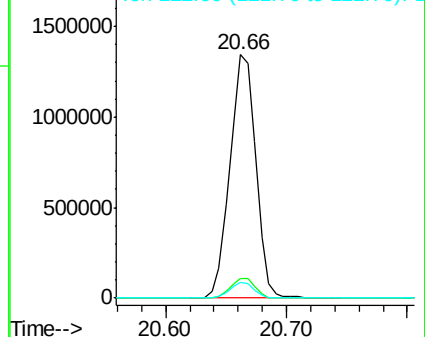
244 100

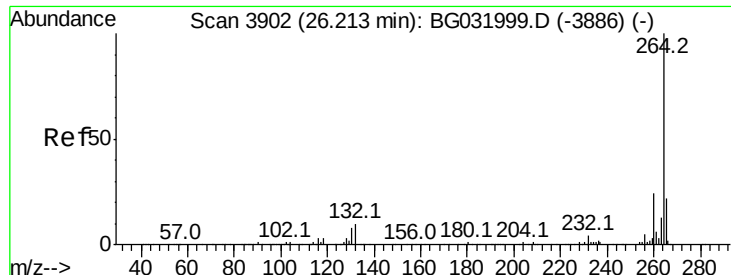
212 8.0 5.8 8.8

122 6.6 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

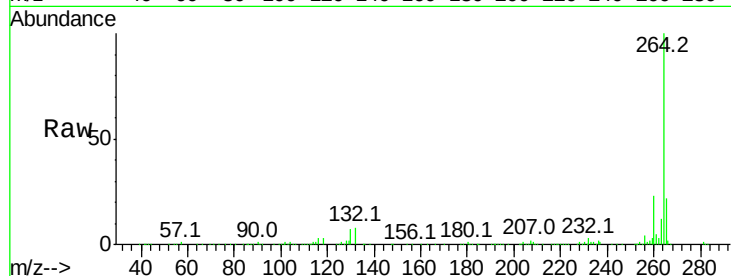




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3896
 Delta R.T. -0.03 min
 Lab File: BG032076.D
 Acq: 16 Jan 2018 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264	Resp:	473537
Ion Ratio	Lower	Upper
264	100	
260	23.1	17.4 26.0
265	22.1	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

