

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032247.D
 Acq On : 24 Jan 2018 5:34
 Operator : SJ/JU
 Sample : J1186-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 07:45:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	40195	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	171915	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	122063	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	305605	20.00	ng	-0.02
75) Chrysene-d12	22.42	240	391204	20.00	ng	-0.03
86) Perylene-d12	26.12	264	412678	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	247021	112.40	ng	0.00
7) Phenol-d6	7.84	99	292766	105.77	ng	-0.01
23) Nitrobenzene-d5	9.92	82	232583	91.53	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	245211	121.40	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	834222	84.74	ng	-0.02
78) Terphenyl-d14	20.63	244	1516635	85.60	ng	-0.02

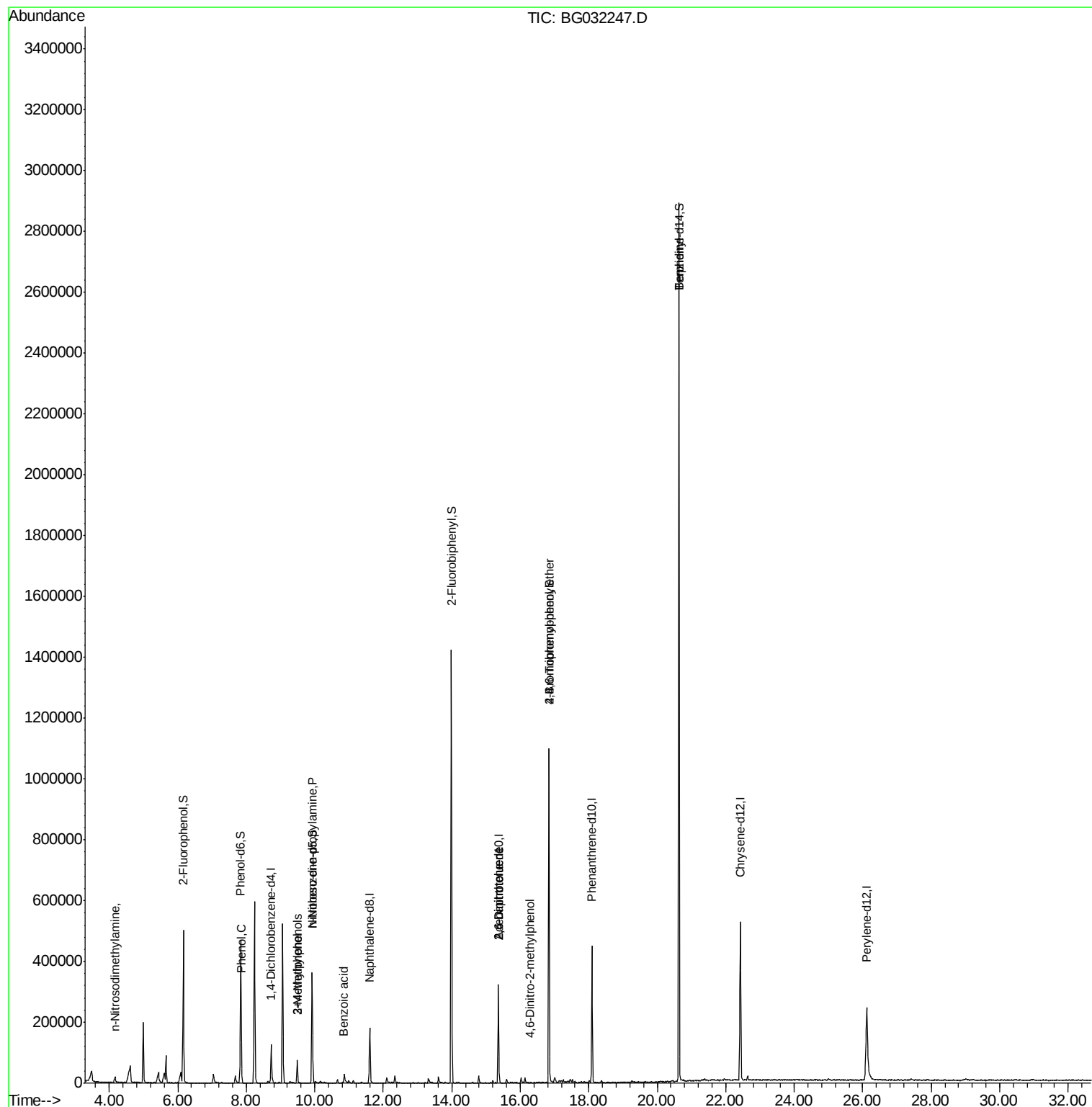
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.18	42	2521	3.184	ng	# 13
10) Phenol	7.86	94	6759	2.479	ng	# 77
17) 2-Methylphenol	9.49	107	36731	17.627	ng	# 72
19) n-Nitroso-di-n-propylamine	9.93	70	32605	18.985	ng	# 76
20) 3+4-Methylphenols	9.49	107	36731	12.724	ng	94
32) Benzoic acid	10.84	122	1069	5.754	ng	# 54
50) 2,6-Dinitrotoluene	15.36	165	16917	7.630	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	16917	5.667	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.30	198	58	4.911	ng	# 29
66) 4-Bromophenyl-phenylether	16.84	248	20155	4.635	ng	# 1
76) Benzidine	20.63	184	22286	2.278	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Instrument :

BNA_G

ClientSampleId :

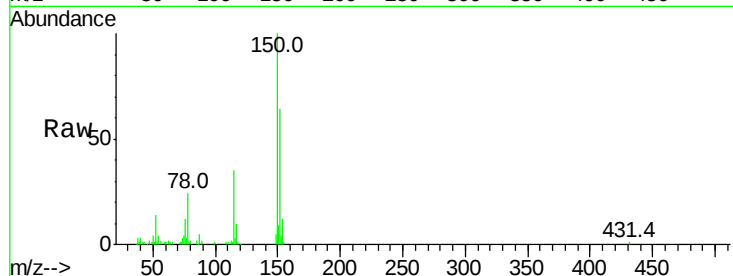
Tot Ion:152 Resp: 40195

Ion Ratio Lower Upper

152 100

150 157.0 126.6 189.8

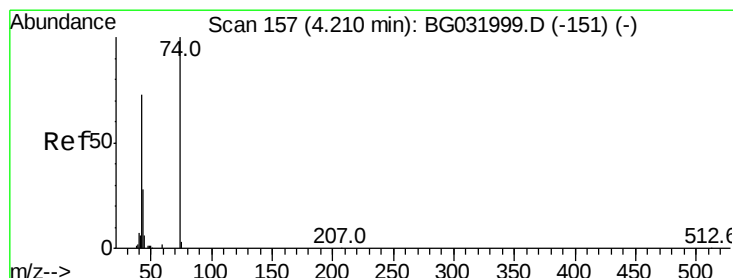
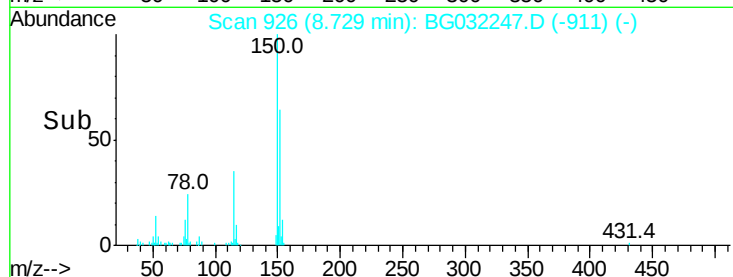
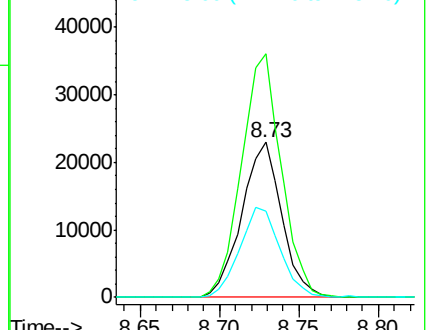
115 55.2 53.0 79.4



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



#4

n-Nitrosodimethylamine

Concen: 3.184 ng

RT: 4.18 min Scan# 151

Delta R.T. -0.02 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

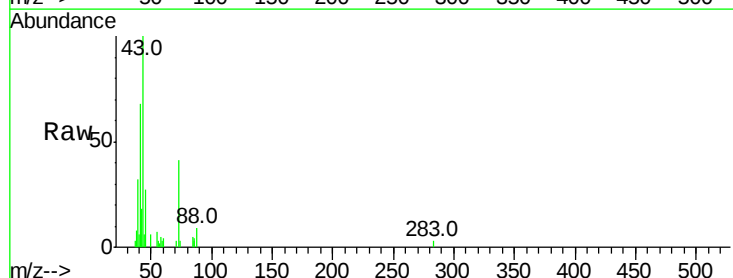
Tgt Ion: 42 Resp: 2521

Ion Ratio Lower Upper

42 100

74 15.0 102.5 153.7#

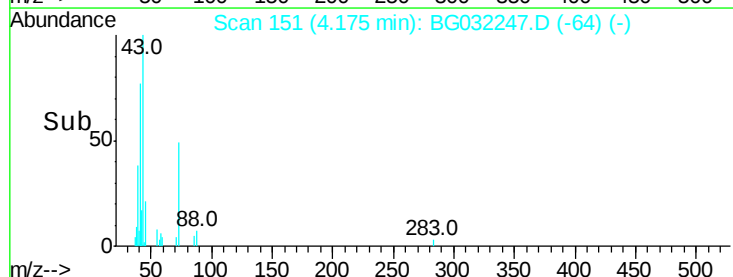
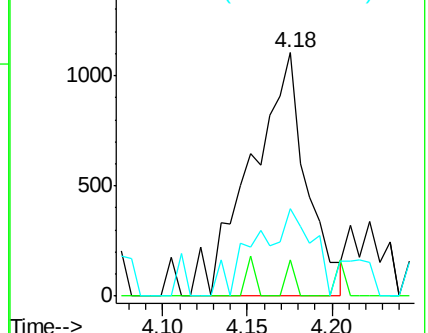
44 35.9 18.9 28.3#

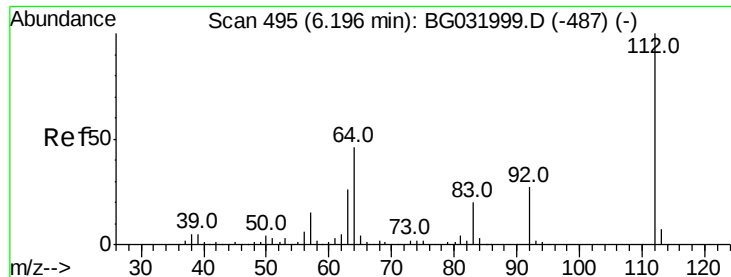


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 112.398 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032247.D

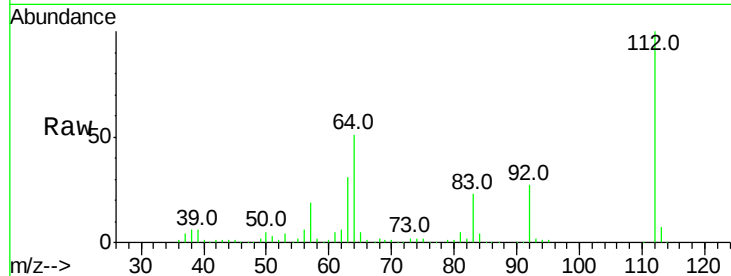
Acq: 24 Jan 2018 5:34

Instrument :

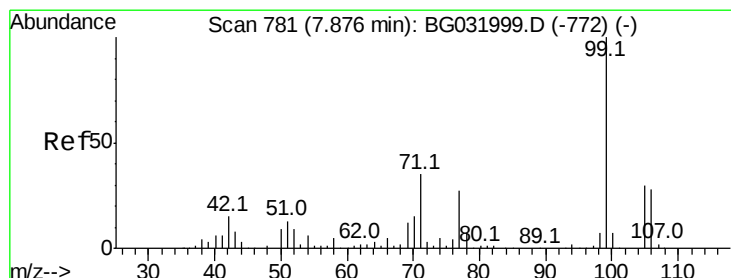
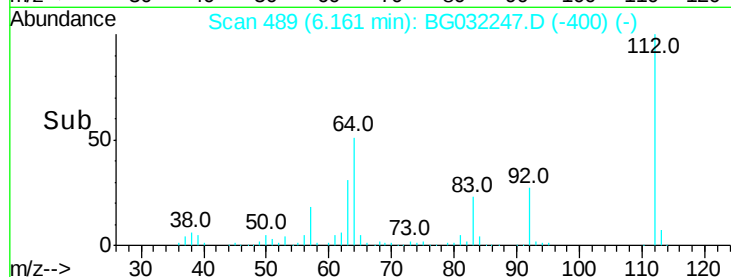
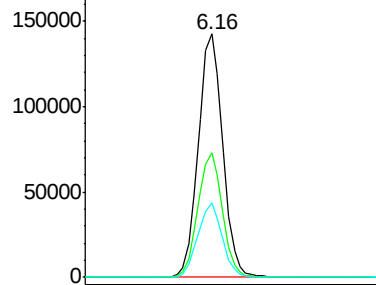
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	247021
Ion Ratio	Lower	Upper	
112	100		
64	51.4	56.3	84.5#
63	30.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC



#7

Phenol-d6

Concen: 105.772 ng

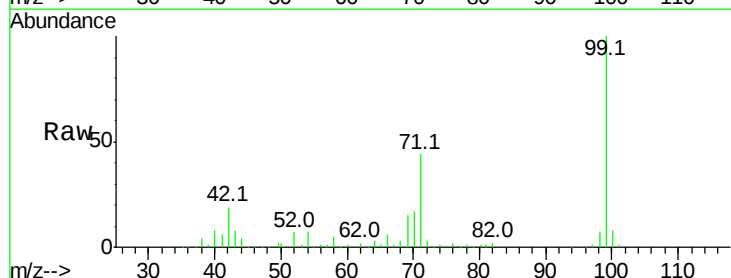
RT: 7.84 min Scan# 774

Delta R.T. -0.01 min

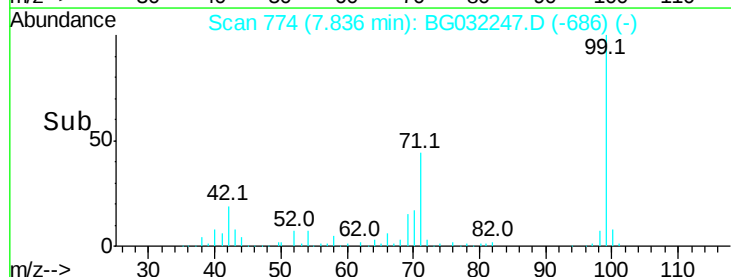
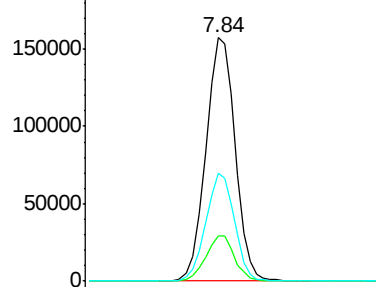
Lab File: BG032247.D

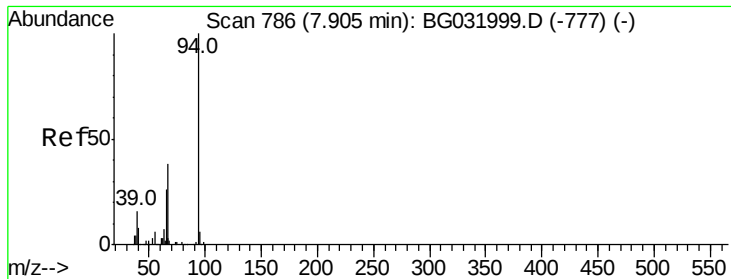
Acq: 24 Jan 2018 5:34

Tgt Ion:	99	Resp:	292766
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.1	21.1
71	44.2	26.1	39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC





#10

Phenol

Concen: 2.479 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.02 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Instrument :

BNA_G

ClientSampleId :

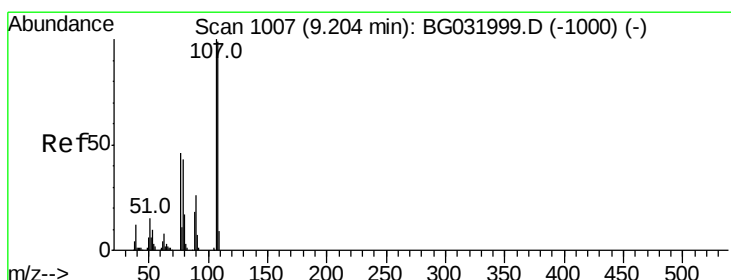
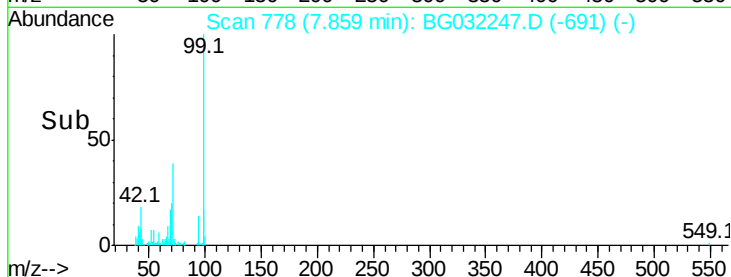
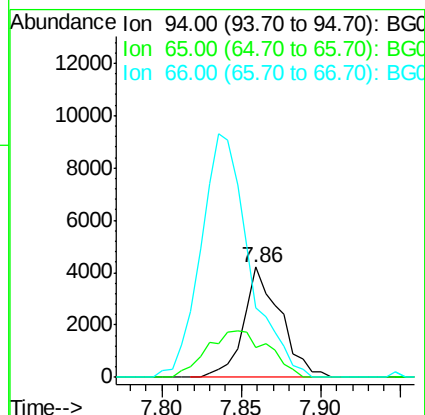
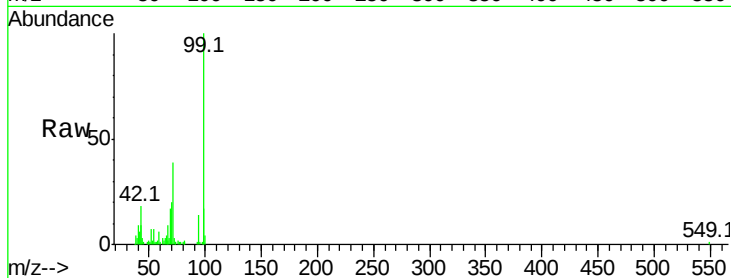
Tot Ion: 94 Resp: 6759

Ion Ratio Lower Upper

94 100

65 26.9 11.9 51.9

66 63.0 22.2 62.2#



#17

2-Methylphenol

Concen: 17.627 ng

RT: 9.49 min Scan# 1055

Delta R.T. 0.31 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Tgt Ion: 107 Resp: 36731

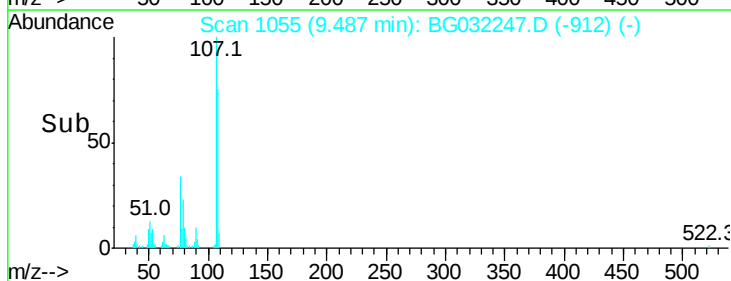
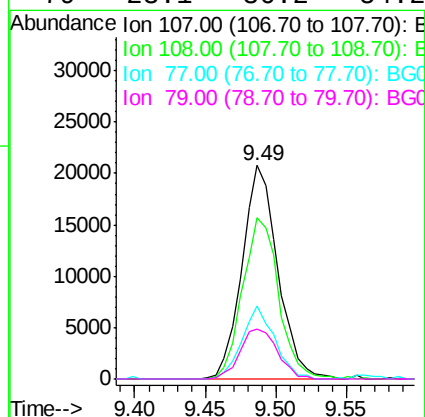
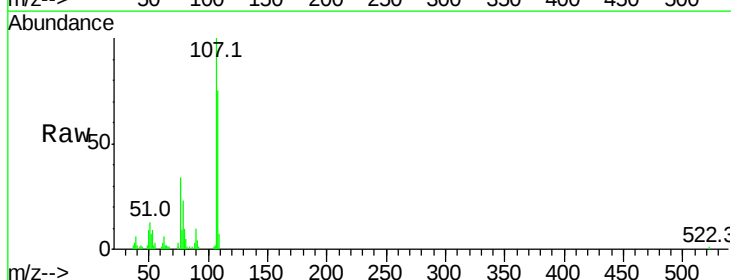
Ion Ratio Lower Upper

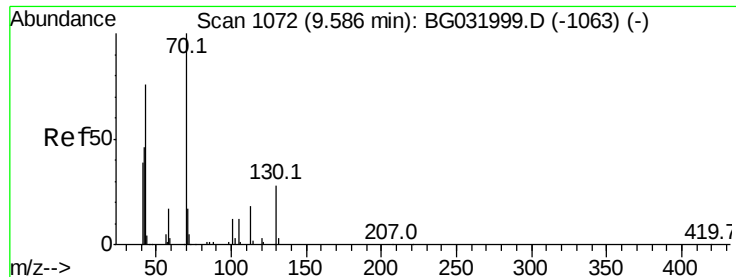
107 100

108 75.3 83.9 125.9#

77 34.2 37.2 55.8#

79 23.1 36.2 54.2#





#19

n-Nitroso-di-n-propylamine

Concen: 18.985 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.37 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 32605

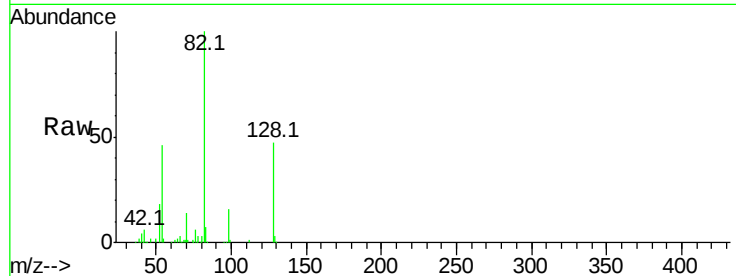
Ion Ratio Lower Upper

70 100

42 46.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

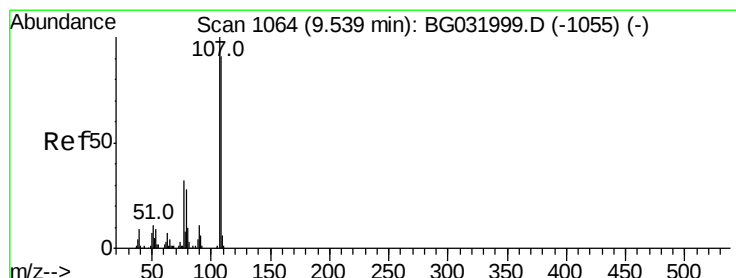
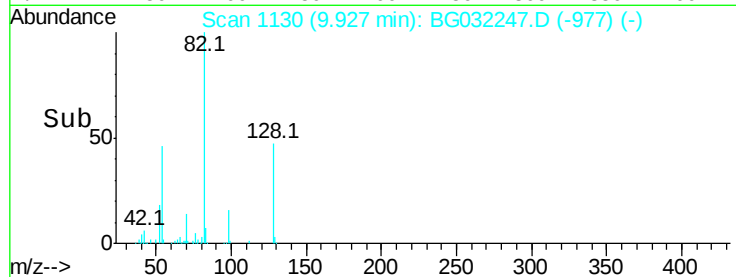
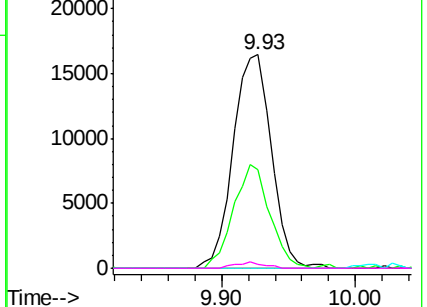


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#20

3+4-Methylphenols

Concen: 12.724 ng

RT: 9.49 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Tgt Ion: 107 Resp: 36731

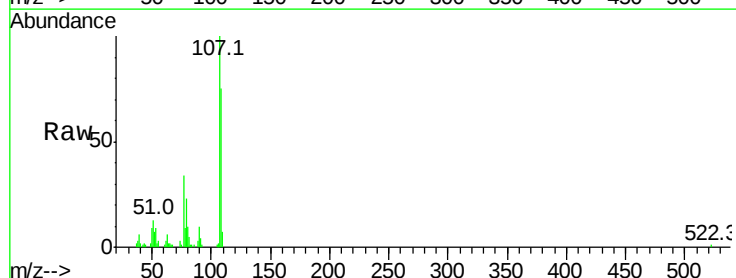
Ion Ratio Lower Upper

107 100

108 75.3 61.6 101.6

77 34.2 13.9 53.9

79 23.1 8.8 48.8

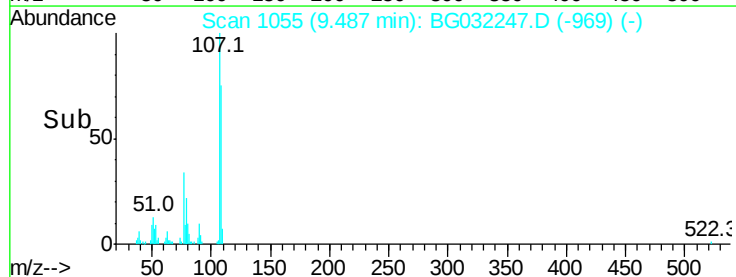
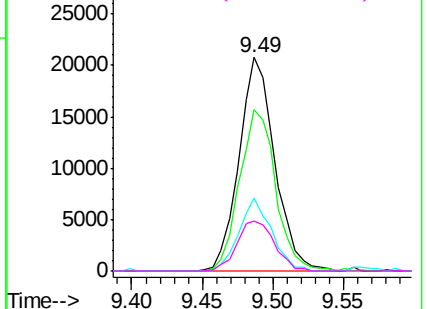


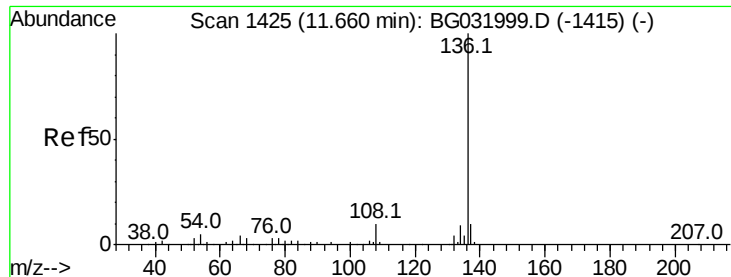
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

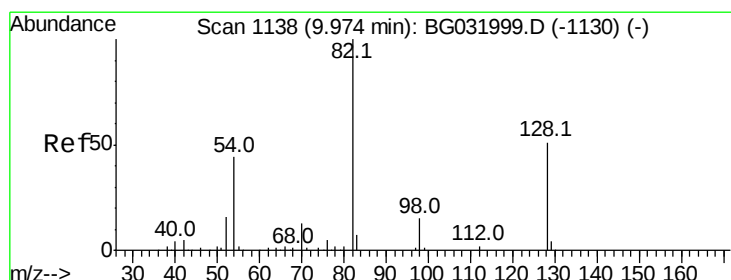
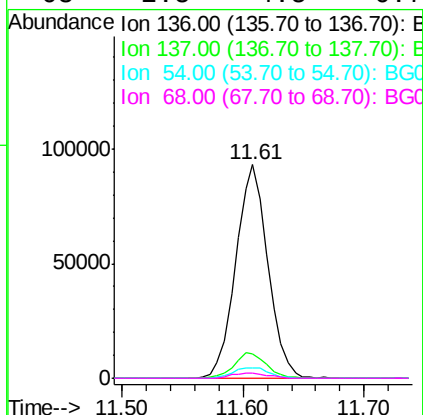
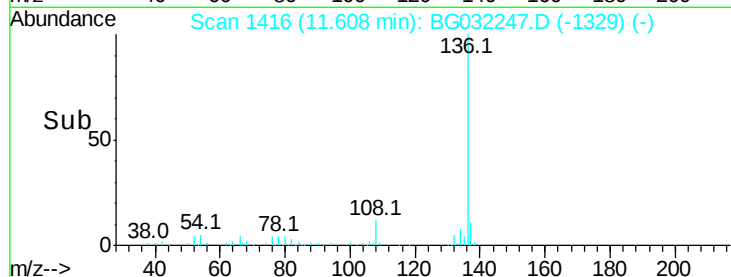
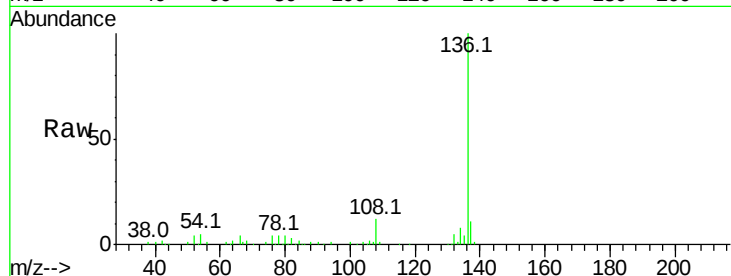




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

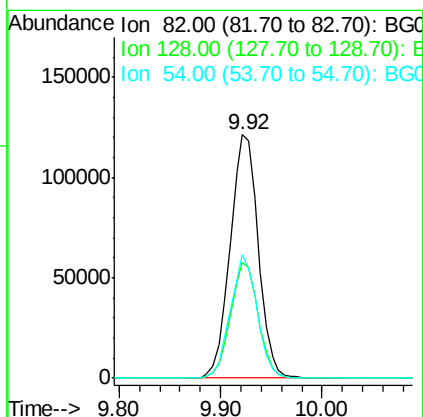
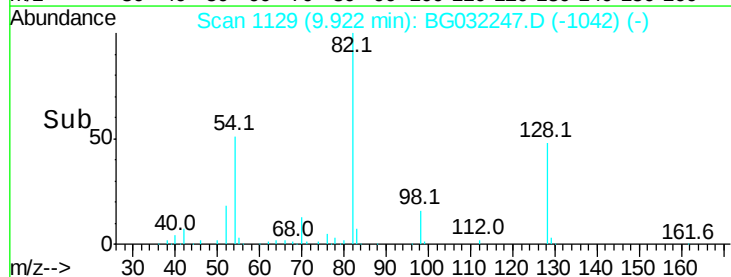
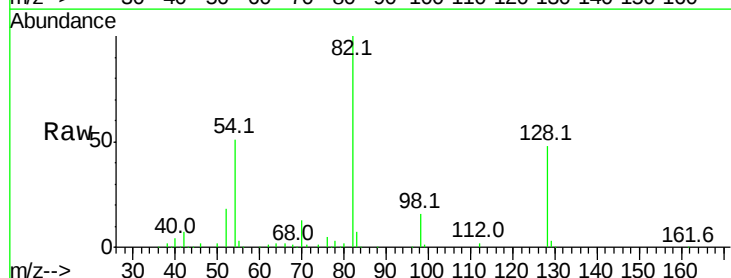
Instrument :
BNA_G
ClientSampled :

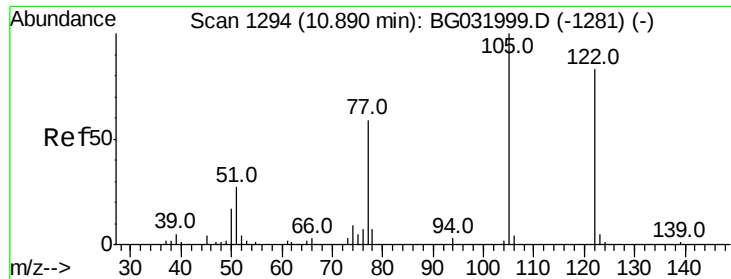
Tot Ion:	136	Resp:	171915
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	4.7	10.3	15.5#
68	2.5	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 91.529 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Tgt Ion:	82	Resp:	232583
Ion	Ratio	Lower	Upper
82	100		
128	47.7	29.7	44.5#
54	50.8	43.1	64.7

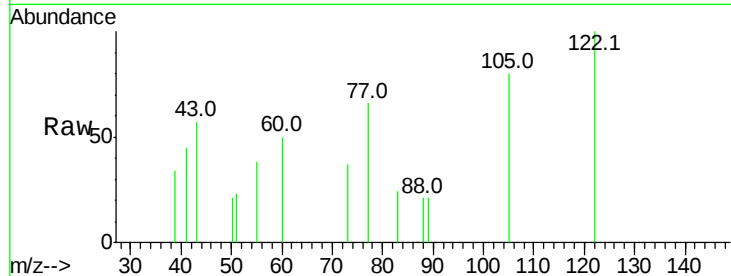




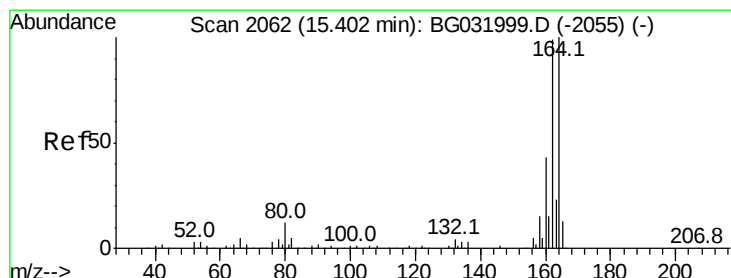
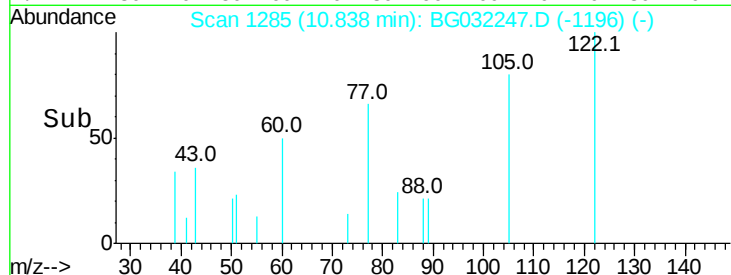
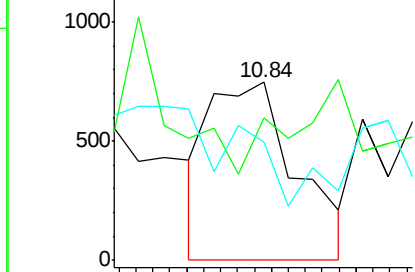
#32
Benzoic acid
Concen: 5.754 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 1069
Ion Ratio Lower Upper
122 100
105 80.2 123.5 163.5#
77 66.2 85.7 125.7#

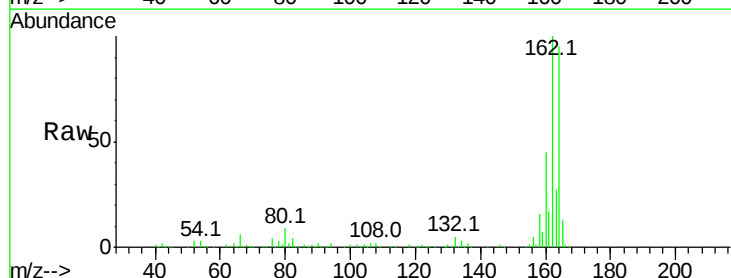


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

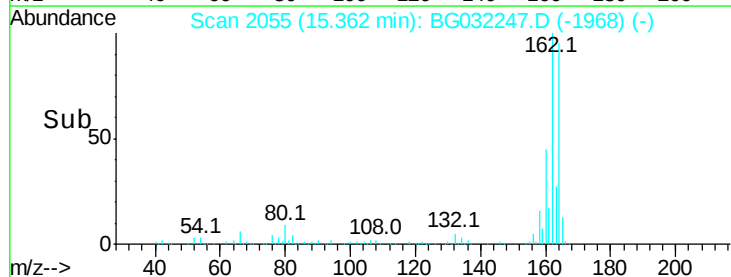
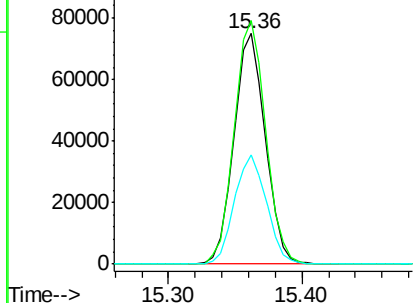


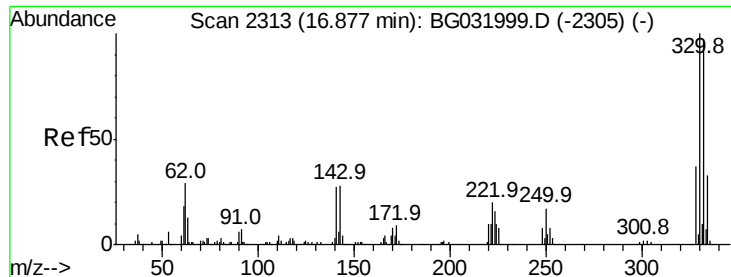
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Tgt Ion:164 Resp: 122063
Ion Ratio Lower Upper
164 100
162 105.7 78.8 118.2
160 47.5 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

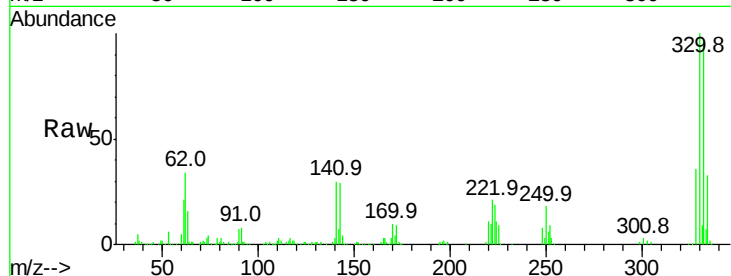




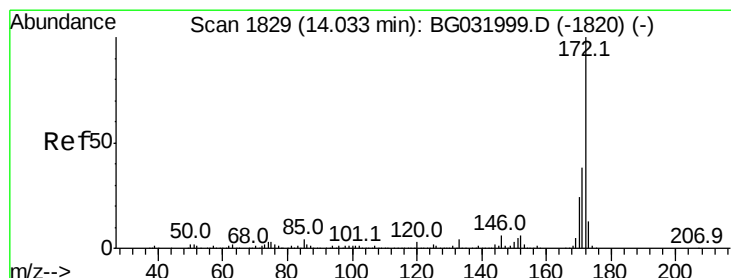
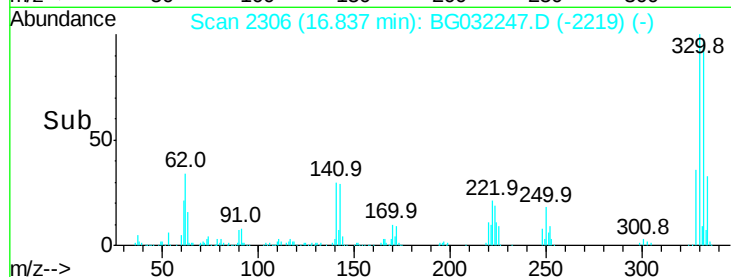
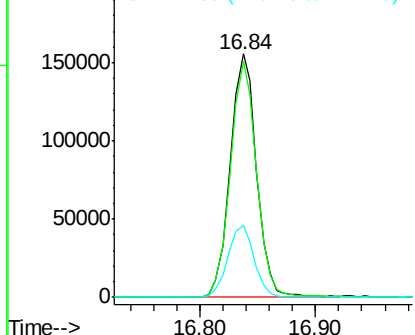
#41
 2,4,6-Tribromophenol
 Concen: 121.400 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: BG032247.D
 Acq: 24 Jan 2018 5:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	29.8	25.2	37.8

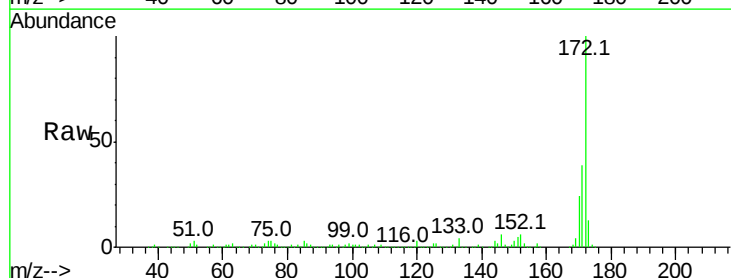


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

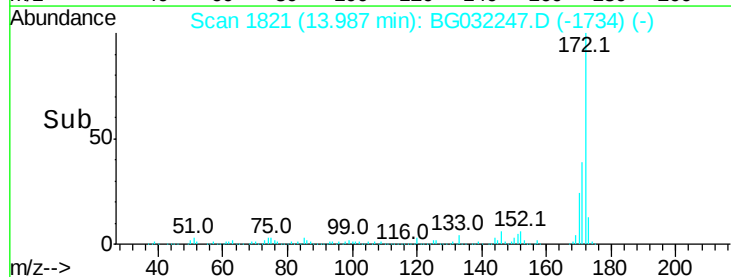
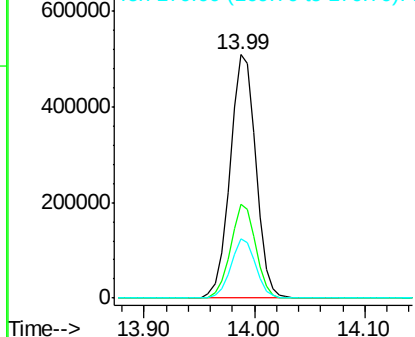


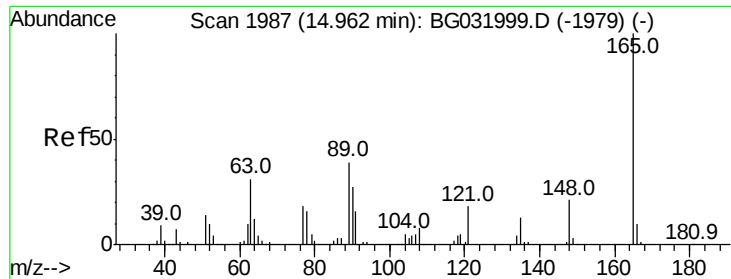
#44
 2-Fluorobiphenyl
 Concen: 84.743 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG032247.D
 Acq: 24 Jan 2018 5:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	24.3	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

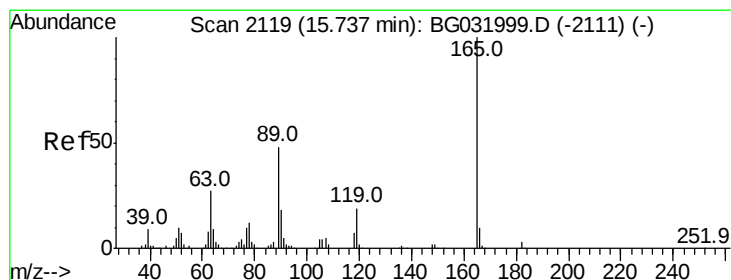
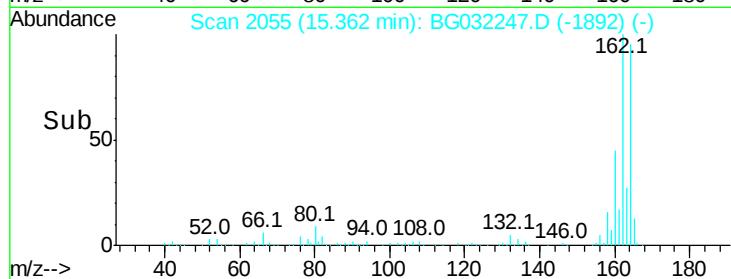
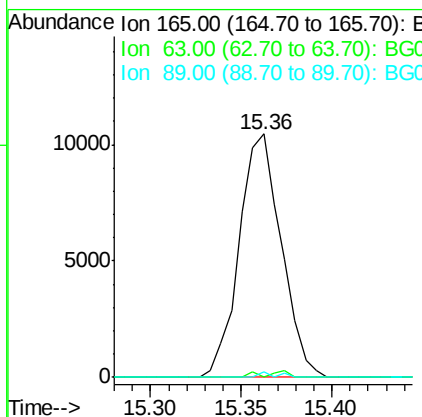
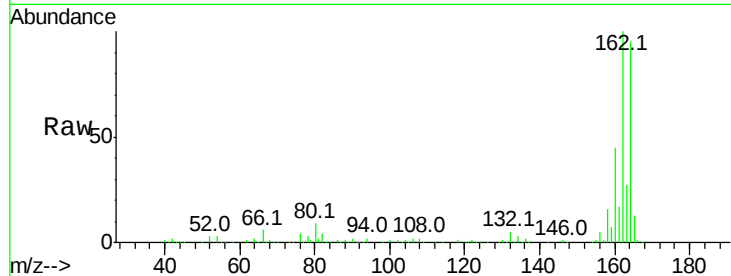




#50
 2,6-Dinitrotoluene
 Concen: 7.630 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.43 min
 Lab File: BG032247.D
 Acq: 24 Jan 2018 5:34

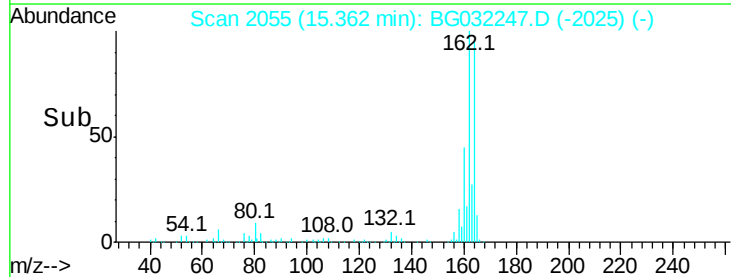
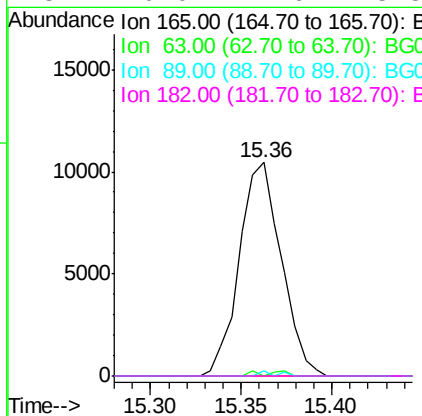
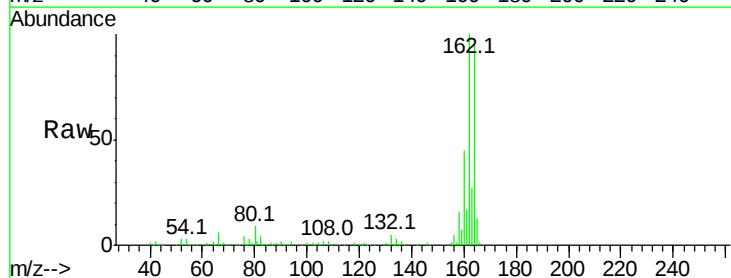
Instrument :
 BNA_G
 ClientSampled :

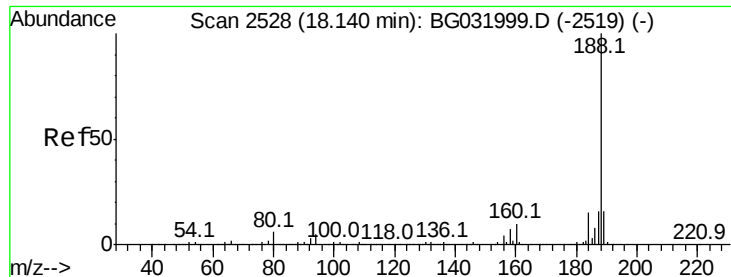
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.2	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.667 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.35 min
 Lab File: BG032247.D
 Acq: 24 Jan 2018 5:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.09 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Instrument :

BNA_G

ClientSampleId :

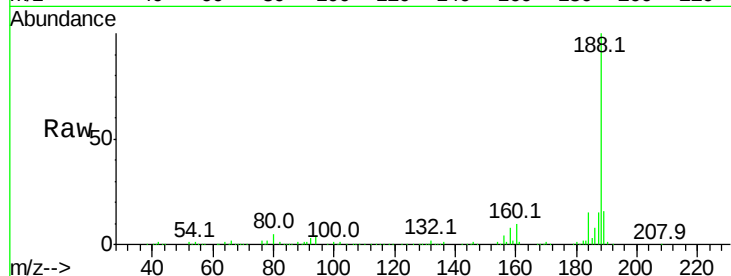
Tot Ion:188 Resp: 305605

Ion Ratio Lower Upper

188 100

94 3.6 6.9 10.3#

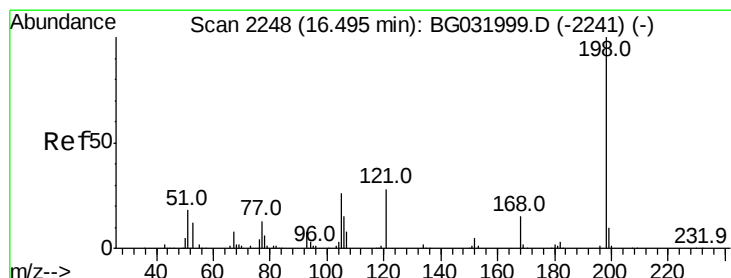
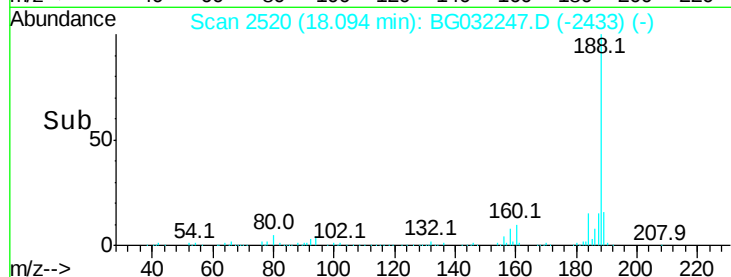
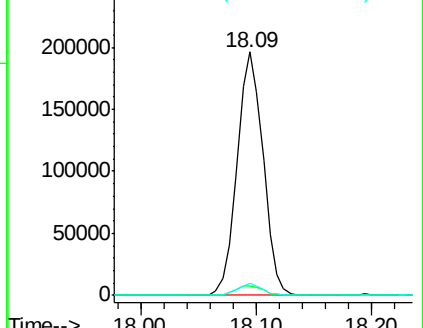
80 4.7 7.7 11.5#



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: 4.911 ng

RT: 16.30 min Scan# 2214

Delta R.T. -0.18 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

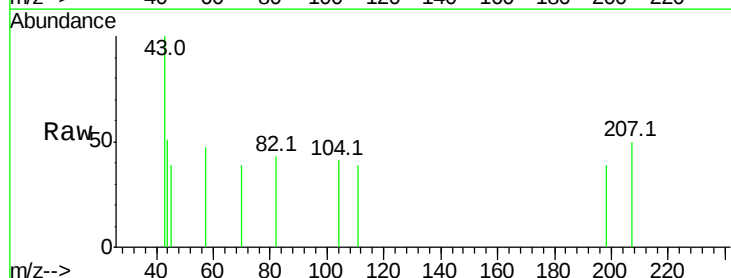
Tgt Ion:198 Resp: 58

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

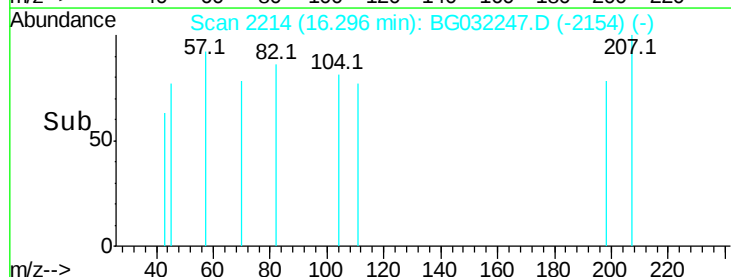
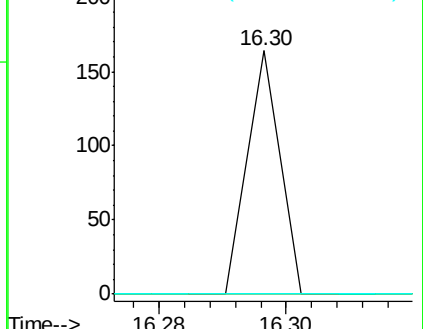
105 0.0 23.8 63.8#

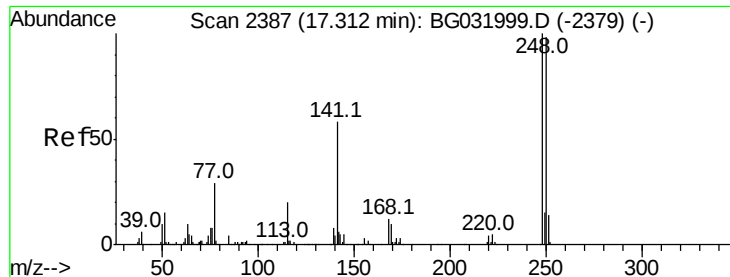


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

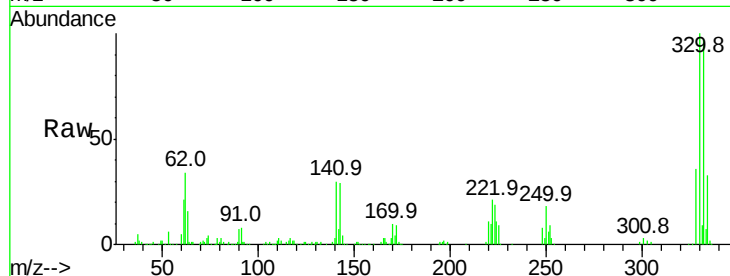




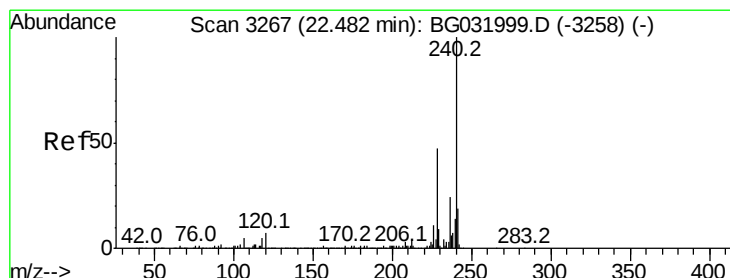
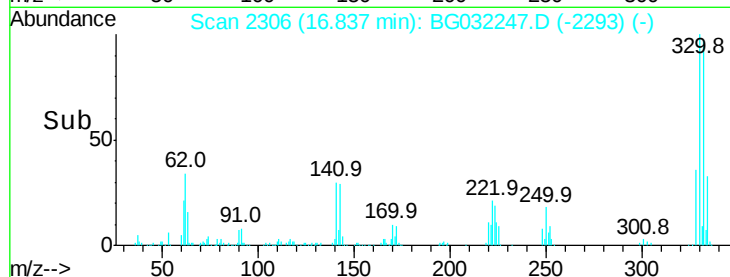
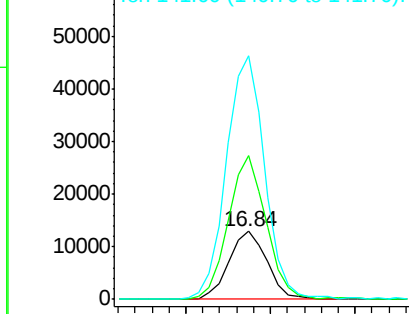
#66
4-Bromophenyl-phenylether
Concen: 4.635 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.45 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20155
Ion Ratio Lower Upper
248 100
250 212.8 77.1 115.7#
141 359.8 50.8 76.2#

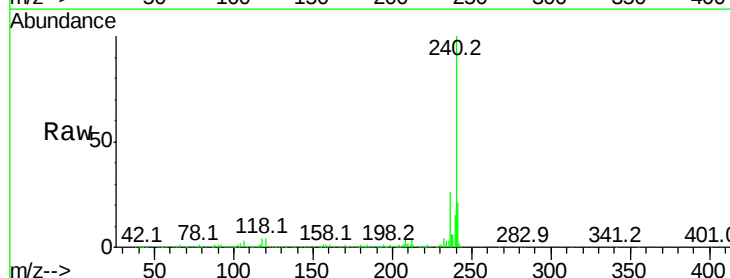


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

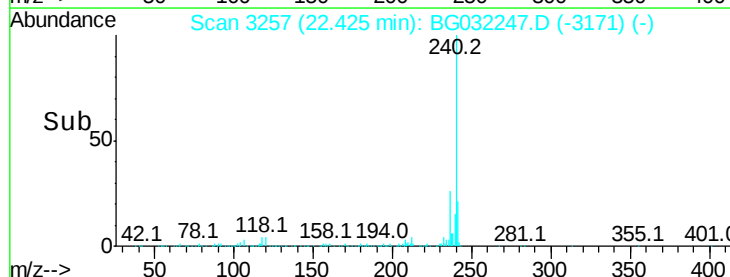
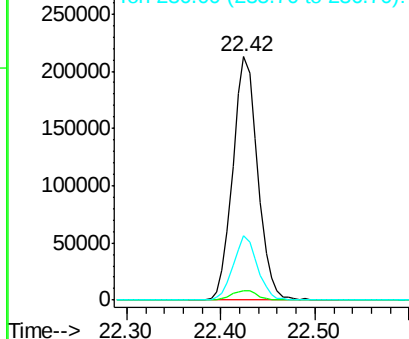


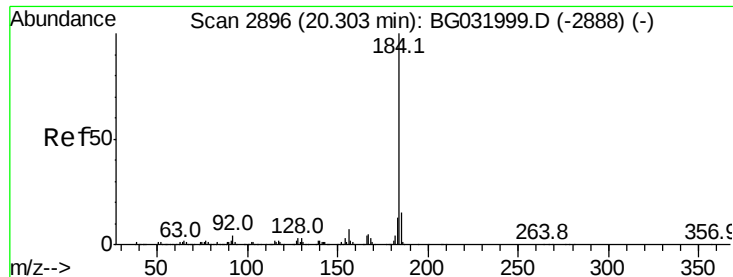
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3257
Delta R.T. -0.03 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Tgt Ion:240 Resp: 391204
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 26.5 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: 2.278 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

Instrument :

BNA_G

ClientSampleId :

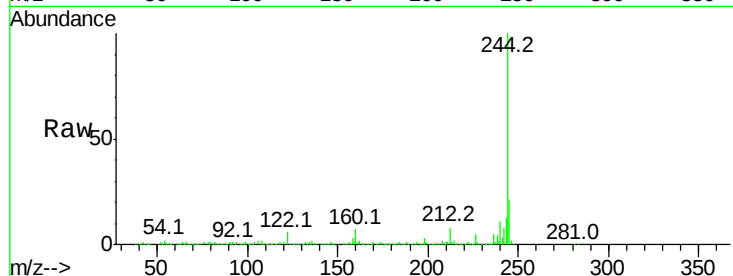
Tot Ion:184 Resp: 22286

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

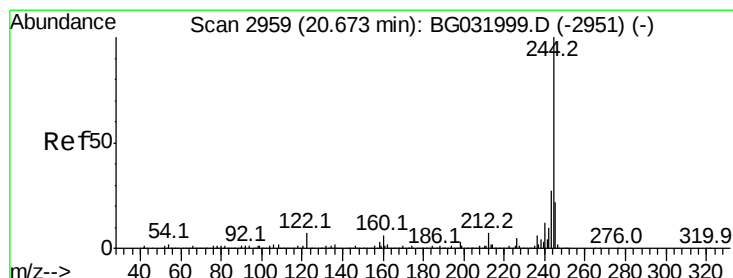
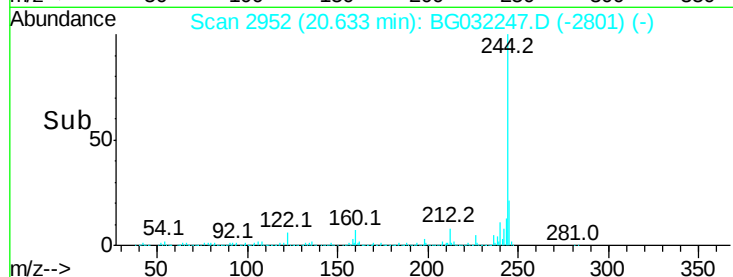
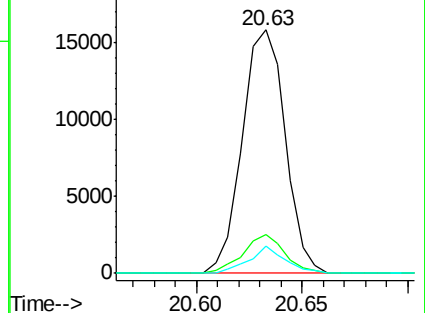
183 11.1 10.6 16.0



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: 85.602 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032247.D

Acq: 24 Jan 2018 5:34

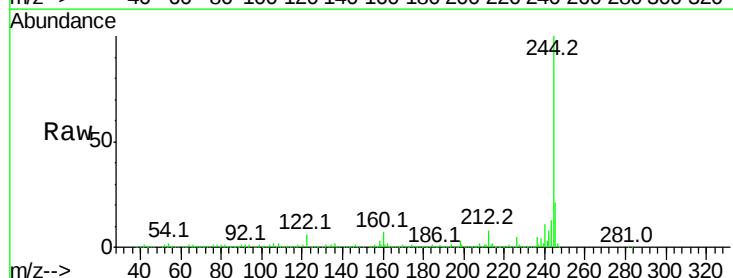
Tgt Ion:244 Resp: 1516635

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

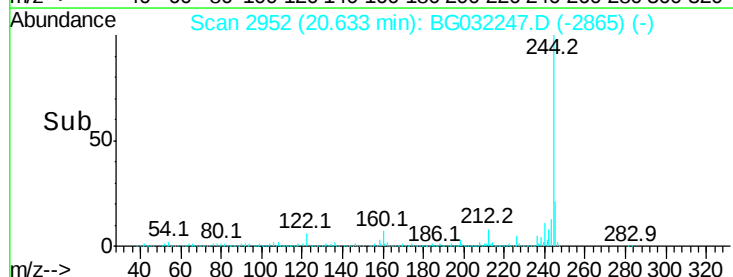
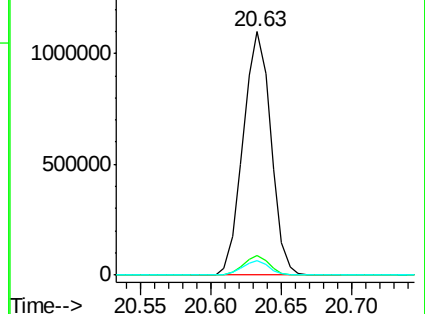
122 5.9 7.0 10.4#

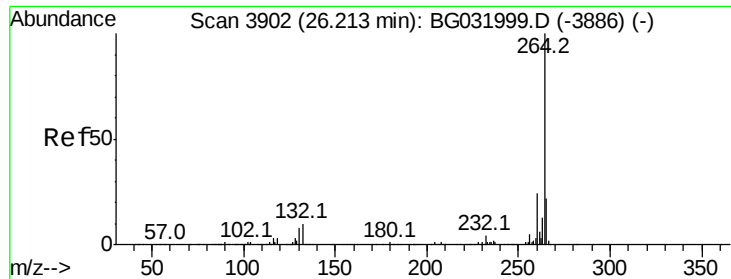


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

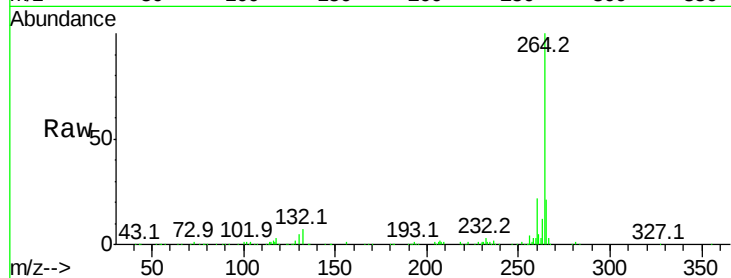




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.12 min Scan# 3886
Delta R.T. -0.03 min
Lab File: BG032247.D
Acq: 24 Jan 2018 5:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	20.6	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

