

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032091.D
 Acq On : 17 Jan 2018 4:50
 Operator : SJ/JU
 Sample : J1014-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 06:02:07 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	48973	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	197767	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	131992	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	334489	20.00	ng	0.00
75) Chrysene-d12	22.47	240	419258	20.00	ng	-0.02
86) Perylene-d12	26.18	264	434304	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	295730	110.44	ng	0.00
7) Phenol-d6	7.87	99	341068	101.14	ng	0.00
23) Nitrobenzene-d5	9.96	82	240817	82.38	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	250599	114.73	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	827063	77.70	ng	0.00
78) Terphenyl-d14	20.66	244	1502641	79.14	ng	0.00

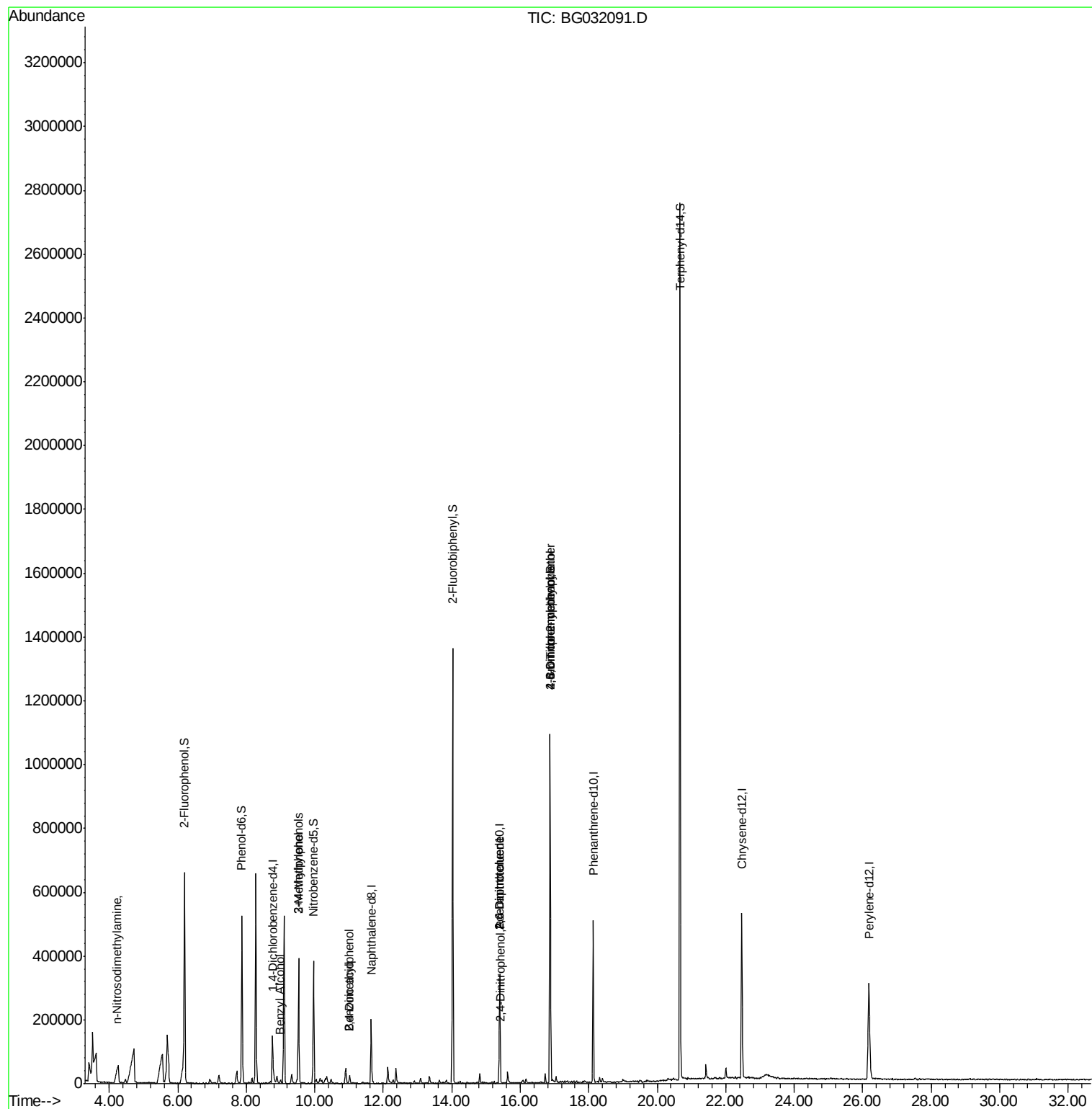
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.23	42	7734	8.017	ng	# 12
15) Benzyl Alcohol	9.00	79	4958	2.024	ng	# 96
17) 2-Methylphenol	9.53	107	195778	77.114	ng	# 73
20) 3+4-Methylphenols	9.53	107	195778	55.665	ng	# 95
27) 2,4-Dimethylphenol	11.02	122	5501	2.006	ng	# 1
32) Benzoic acid	11.02	122	5501	7.483	ng	# 24
50) 2,6-Dinitrotoluene	15.40	165	17929	7.478	ng	# 21
53) 2,4-Dinitrophenol	15.43	184	55	7.005	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	17929	5.555	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.87	198	640	5.153	ng	# 10
66) 4-Bromophenyl-phenylether	16.87	248	21075	4.428	ng	# 1

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

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QLast Update : Mon Jan 15 10:05:15 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

Instrument :

BNA_G

ClientSampleId :

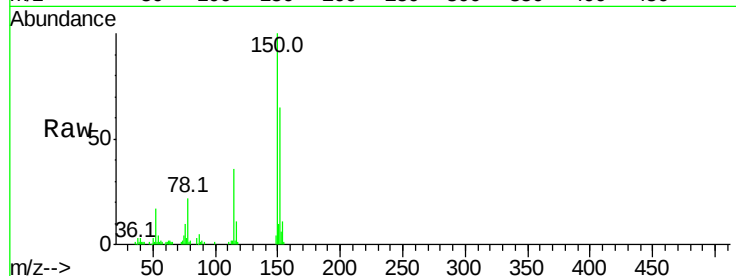
Tot Ion:152 Resp: 48973

Ion Ratio Lower Upper

152 100

150 153.2 126.6 189.8

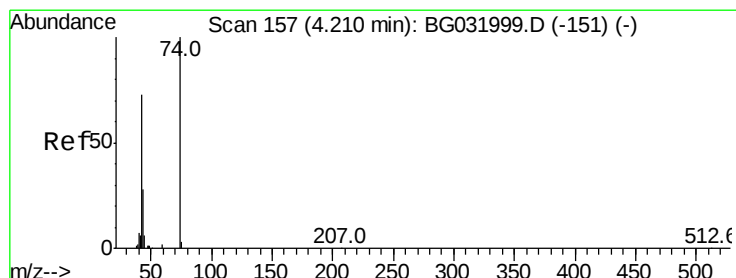
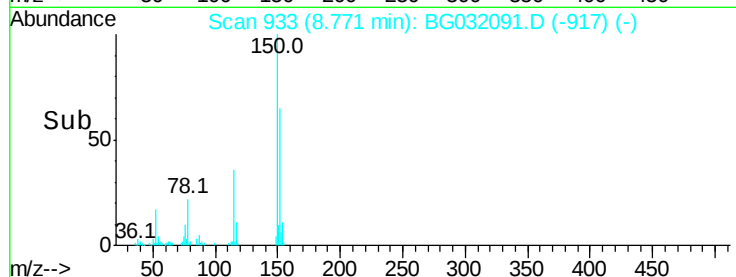
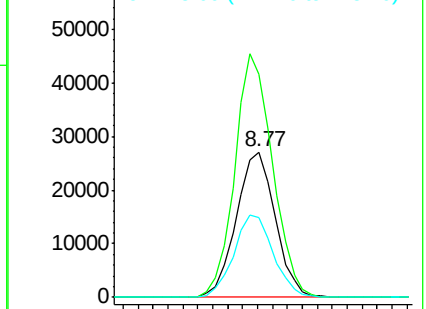
115 54.7 53.0 79.4



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: 8.017 ng

RT: 4.23 min Scan# 160

Delta R.T. 0.02 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

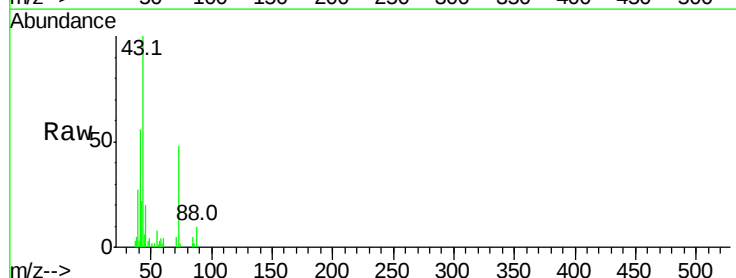
Tgt Ion: 42 Resp: 7734

Ion Ratio Lower Upper

42 100

74 8.6 102.5 153.7#

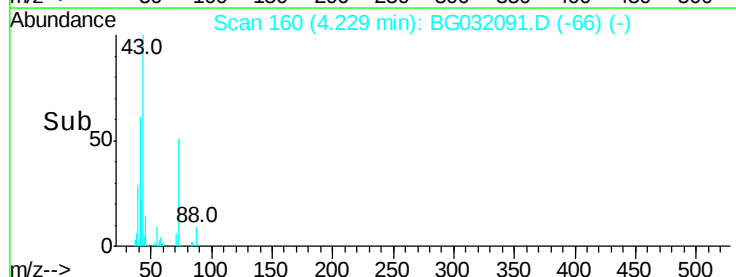
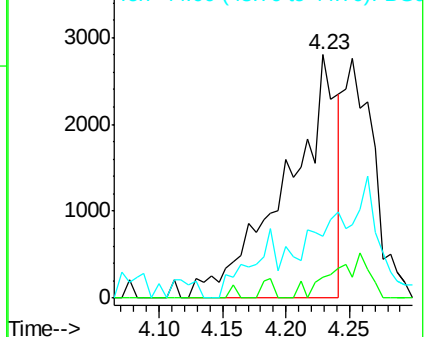
44 25.2 18.9 28.3

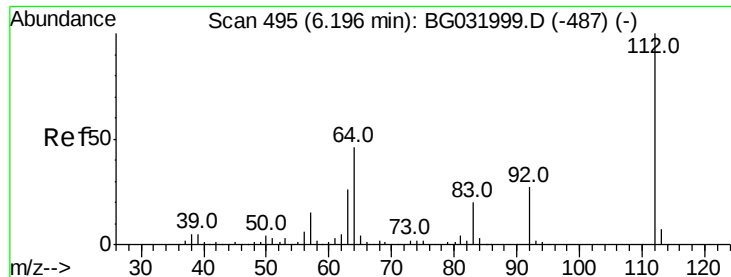


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 110.443 ng

RT: 6.20 min Scan# 495

Delta R.T. 0.00 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

Instrument :

BNA_G

ClientSampled :

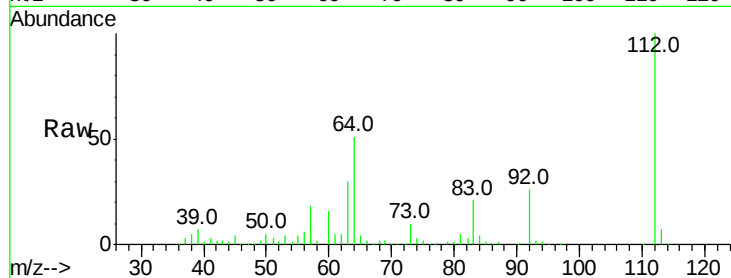
Tot Ion:112 Resp: 295730

Ion Ratio Lower Upper

112 100

64 50.6 56.3 84.5#

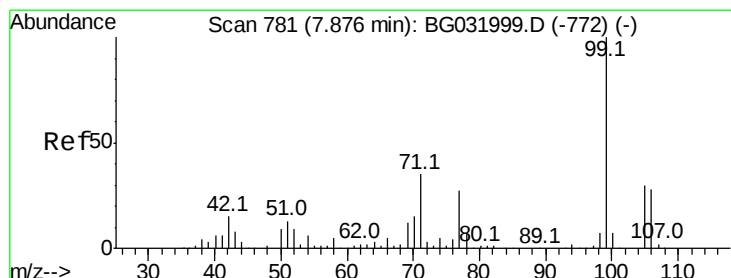
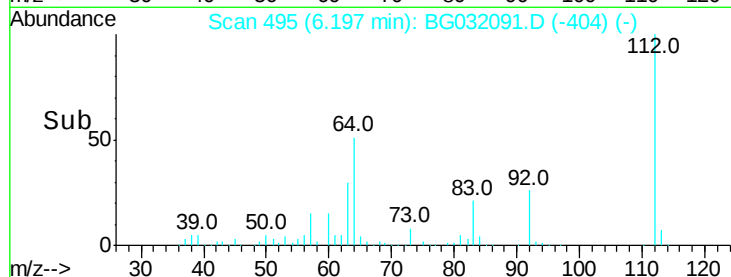
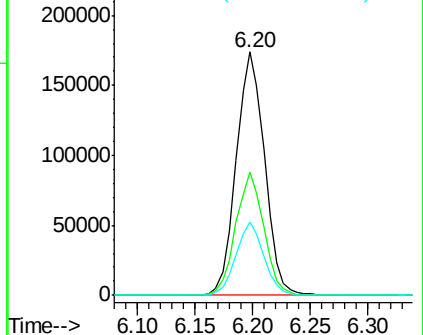
63 30.0 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 101.136 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

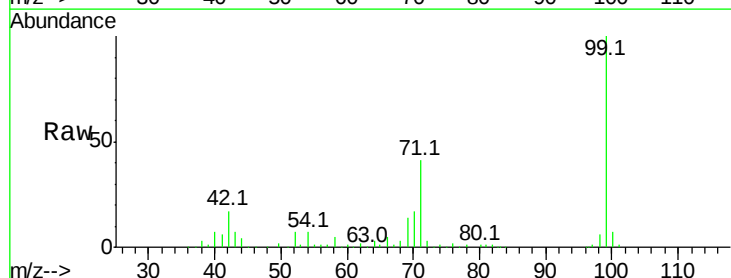
Tgt Ion: 99 Resp: 341068

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

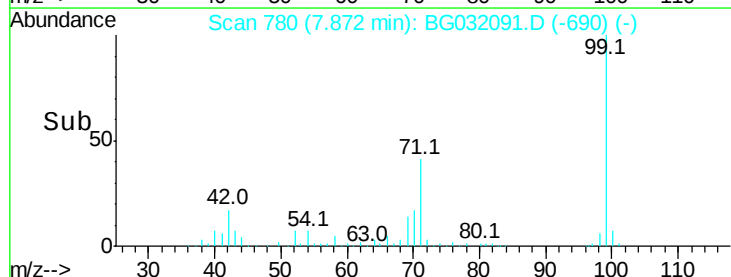
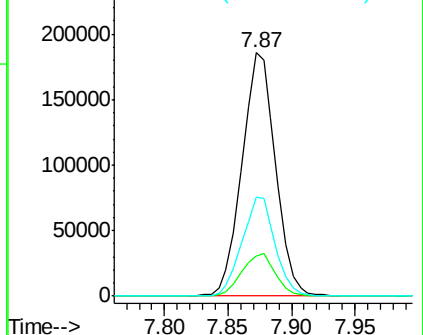
71 40.6 26.1 39.1#

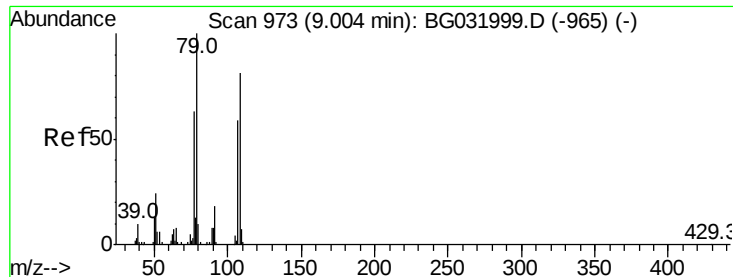


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.024 ng

RT: 9.00 min Scan# 972

Delta R.T. -0.00 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

Instrument :

BNA_G

ClientSampleId :

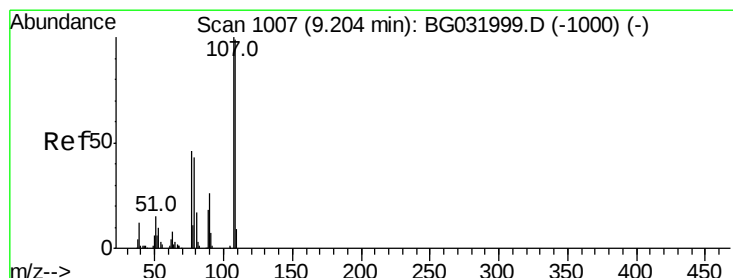
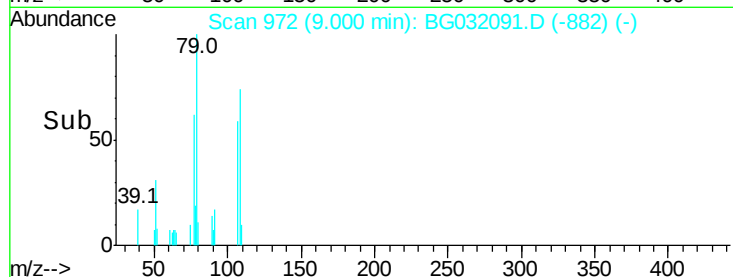
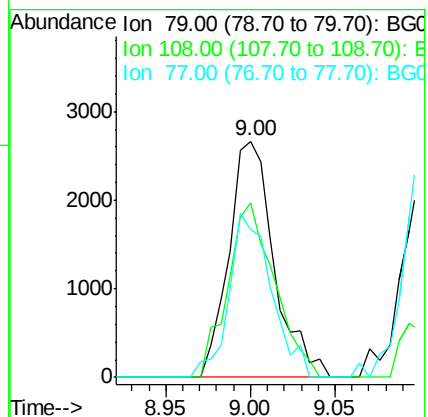
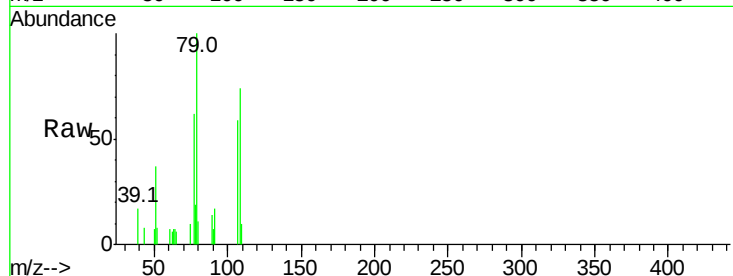
Tot Ion: 79 Resp: 4958

Ion Ratio Lower Upper

79 100

108 73.8 57.2 85.8

77 62.2 46.1 69.1



#17

2-Methylphenol

Concen: 77.114 ng

RT: 9.53 min Scan# 1062

Delta R.T. 0.32 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

Tgt Ion: 107 Resp: 195778

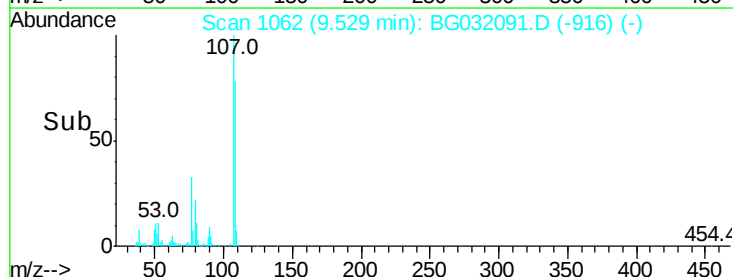
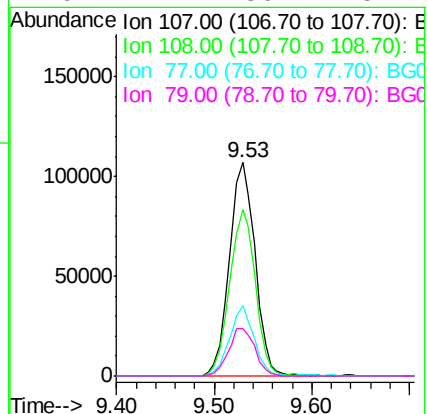
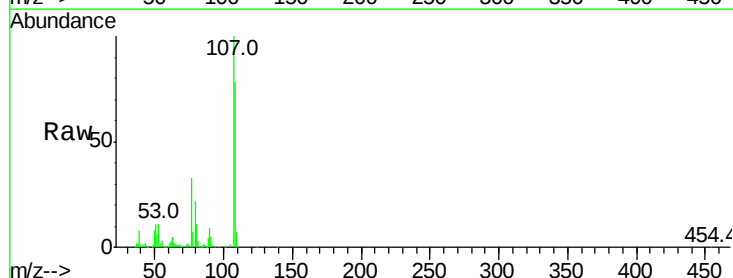
Ion Ratio Lower Upper

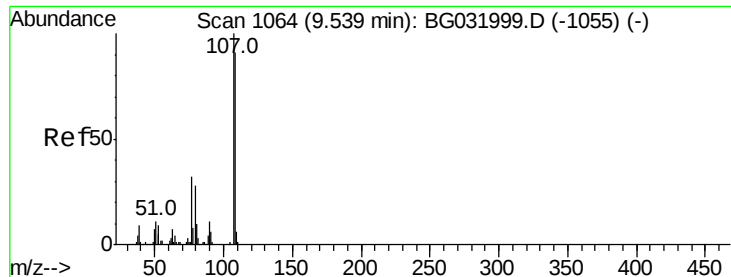
107 100

108 78.1 83.9 125.9#

77 32.9 37.2 55.8#

79 22.4 36.2 54.2#

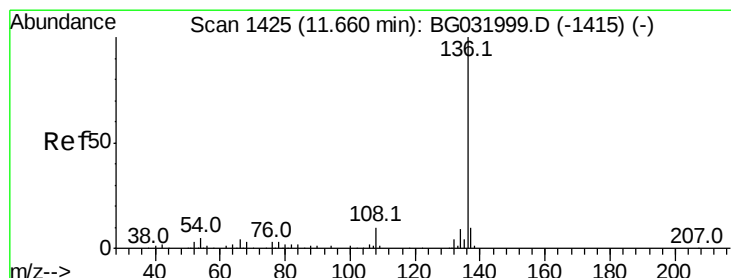
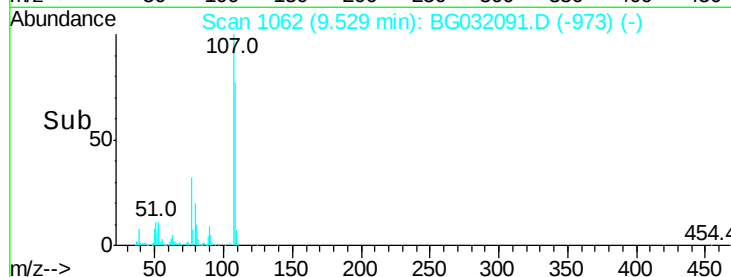
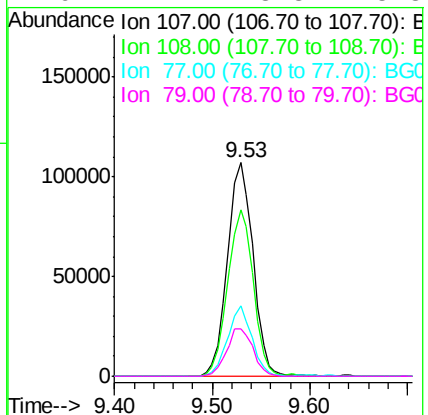
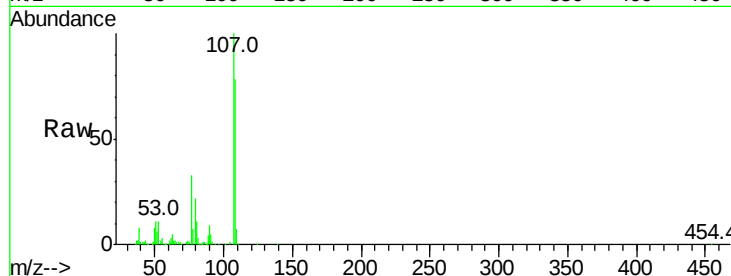




#20
3+4-Methylphenols
Concen: 55.665 ng
RT: 9.53 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

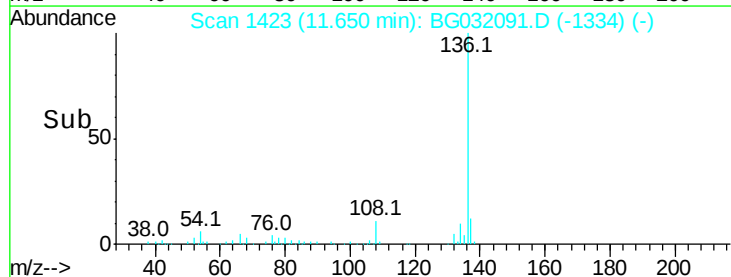
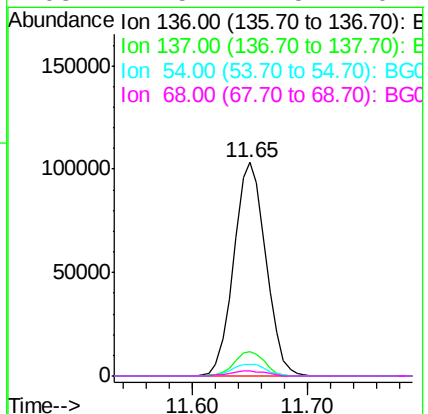
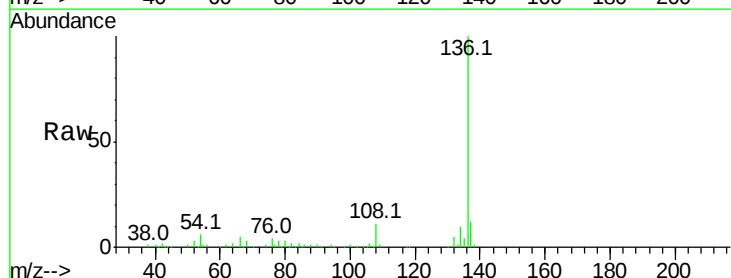
Instrument :
BNA_G
ClientSampleId :

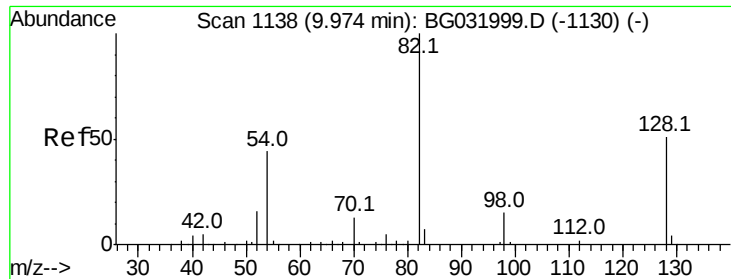
Tot Ion:	107	Resp:	195778
Ion	Ratio	Lower	Upper
107	100		
108	78.1	61.6	101.6
77	32.9	13.9	53.9
79	22.4	8.8	48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Tgt Ion:	136	Resp:	197767
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.1	10.3	15.5#
68	2.5	4.5	6.7#

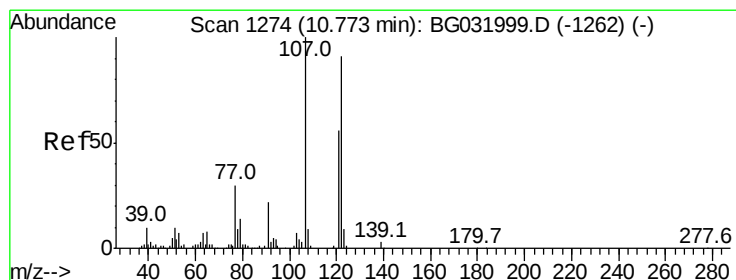
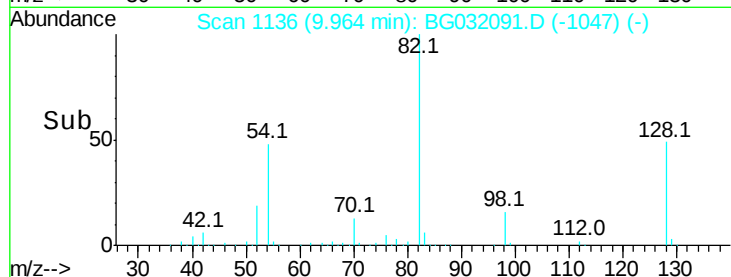
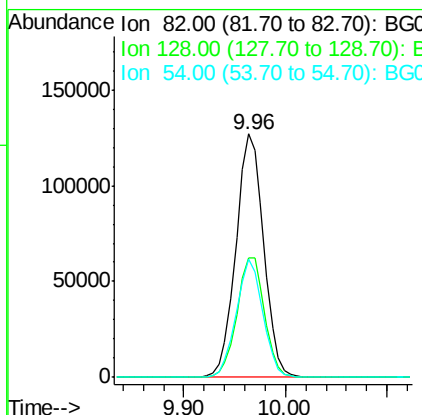
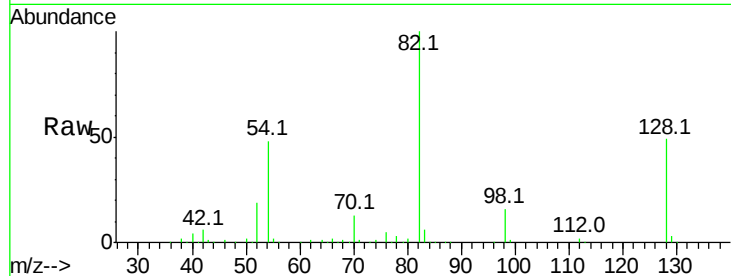




#23
 Nitrobenzene-d5
 Concen: 82.381 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

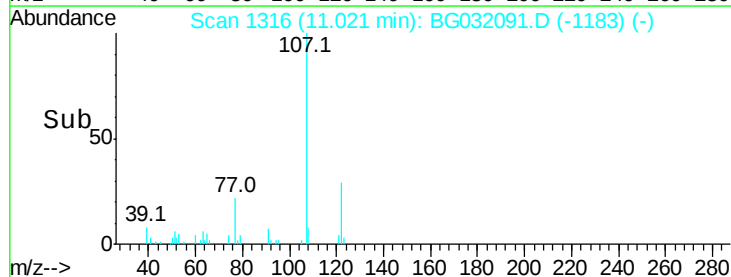
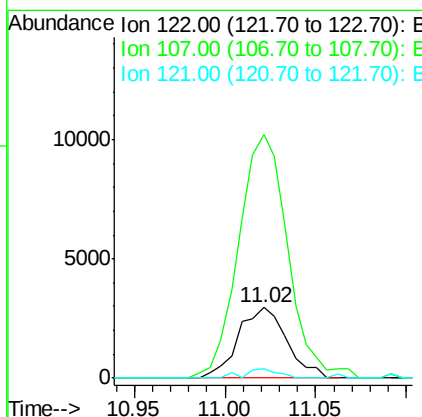
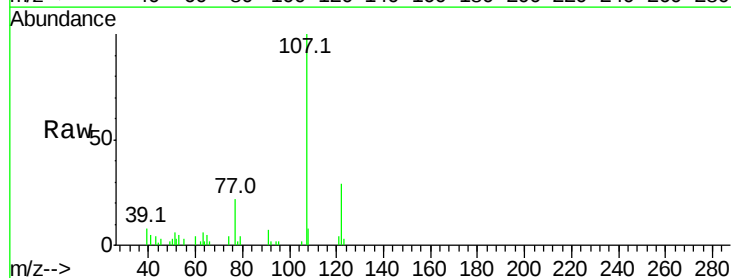
Instrument :
 BNA_G
 ClientSampleId :

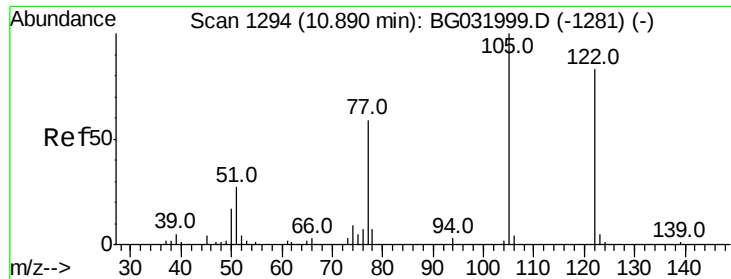
Tot Ion: 82 Resp: 240817
 Ion Ratio Lower Upper
 82 100
 128 48.9 29.7 44.5#
 54 48.3 43.1 64.7



#27
 2,4-Dimethylphenol
 Concen: 2.006 ng
 RT: 11.02 min Scan# 1316
 Delta R.T. 0.25 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Tgt Ion:122 Resp: 5501
 Ion Ratio Lower Upper
 122 100
 107 345.4 100.2 150.2#
 121 12.4 44.4 66.6#

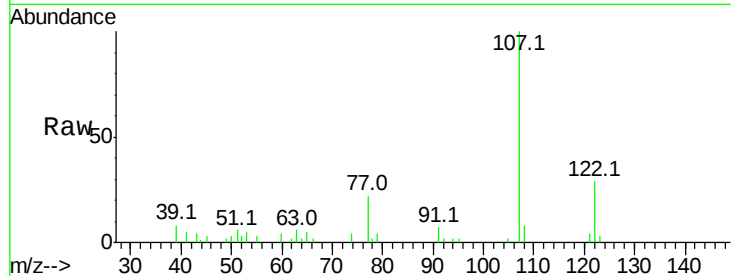




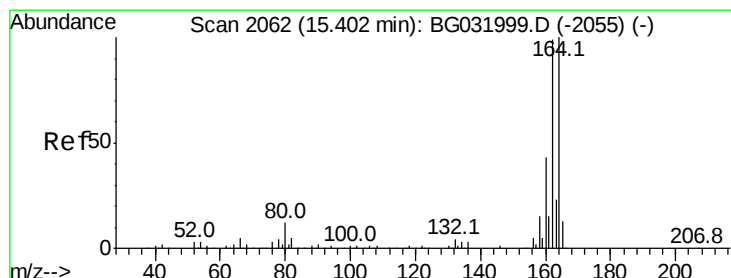
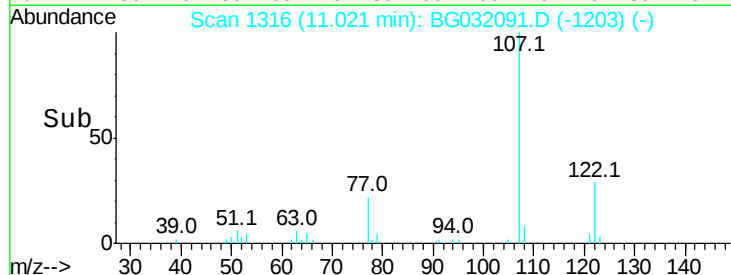
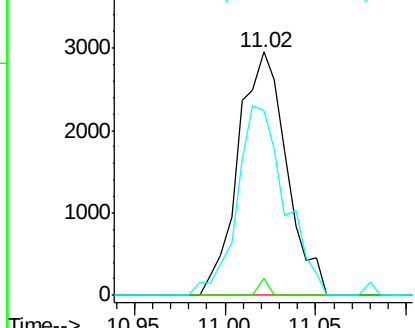
#32
Benzoic acid
Concen: 7.483 ng
RT: 11.02 min Scan# 1316
Delta R.T. 0.13 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 5501
Ion Ratio Lower Upper
122 100
105 7.0 123.5 163.5#
77 75.9 85.7 125.7#

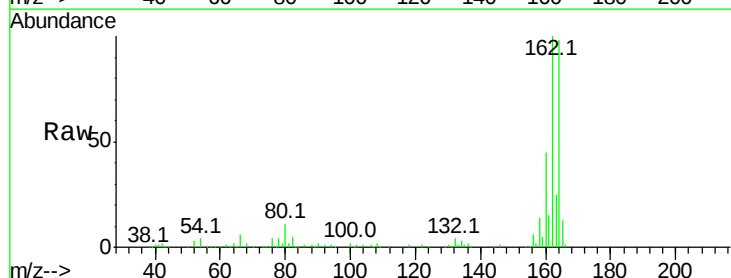


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

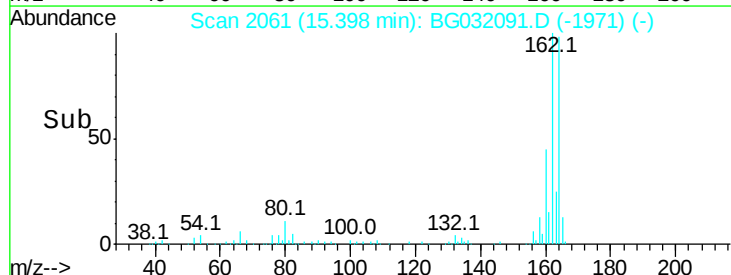
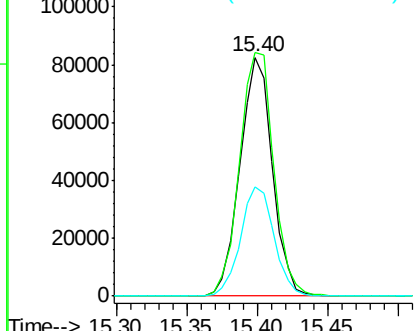


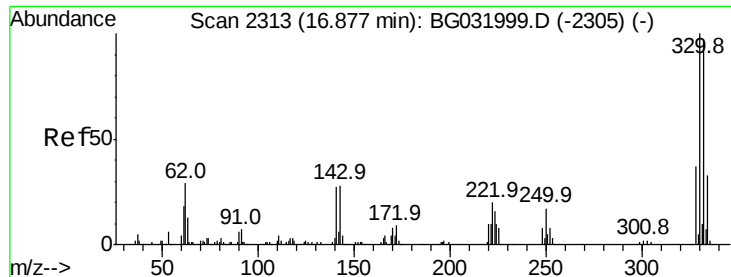
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Tgt Ion:164 Resp: 131992
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 45.8 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

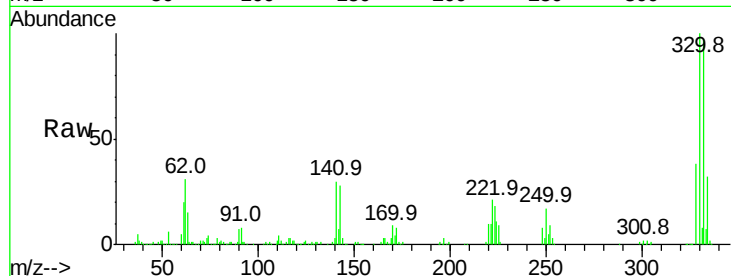




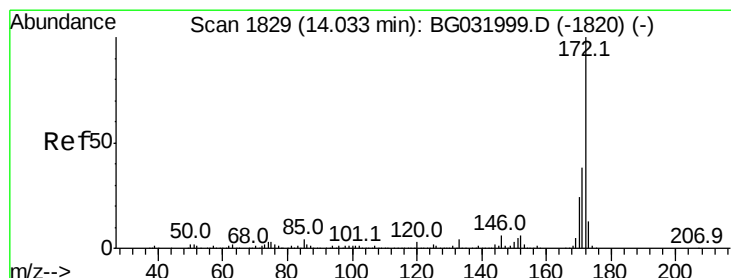
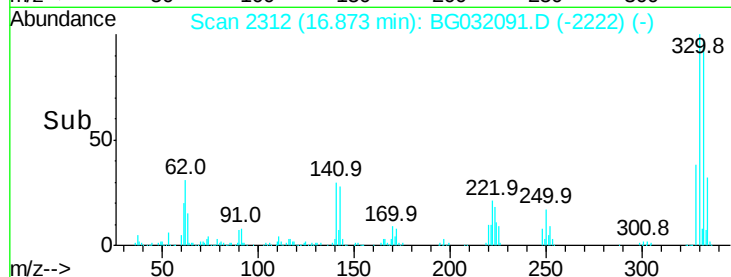
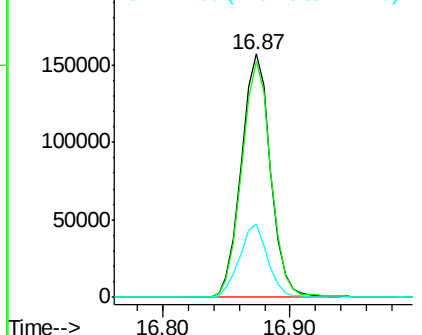
#41
 2,4,6-Tribromophenol
 Concen: 114.735 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	29.3	25.2	37.8

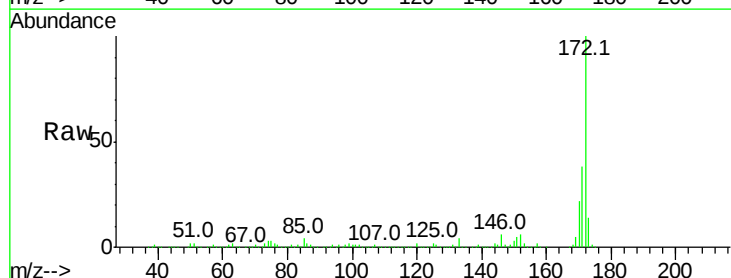


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

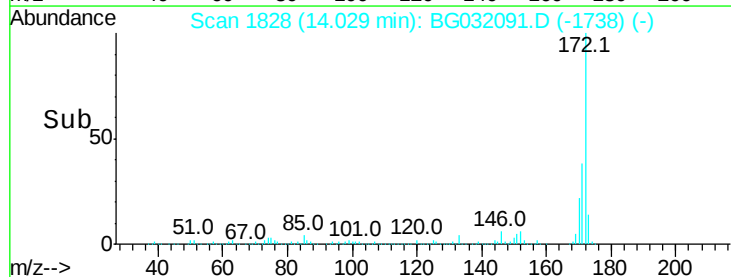
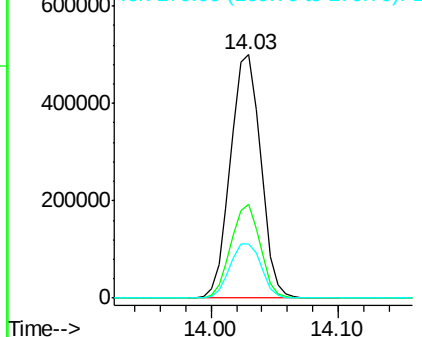


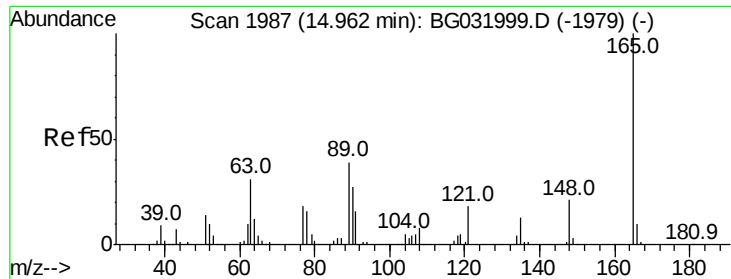
#44
 2-Fluorobiphenyl
 Concen: 77.695 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	22.4	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

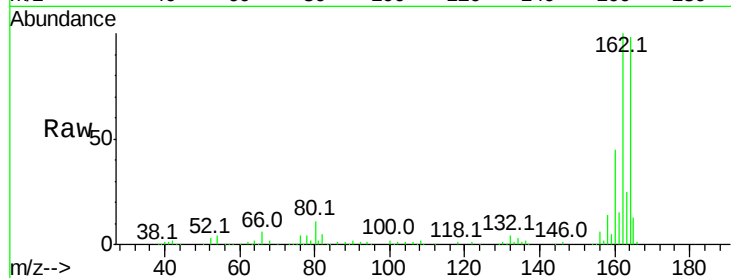




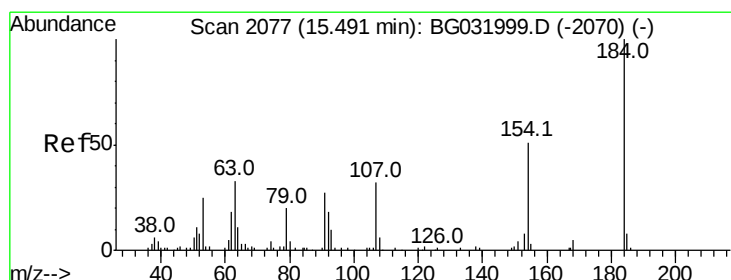
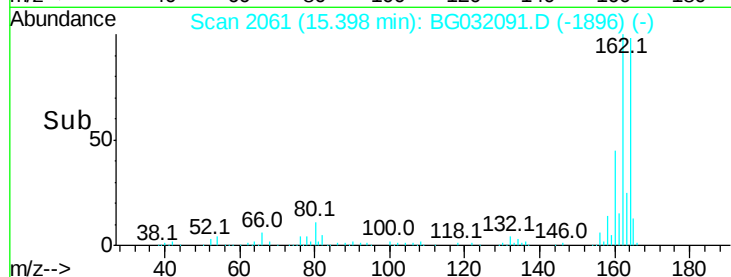
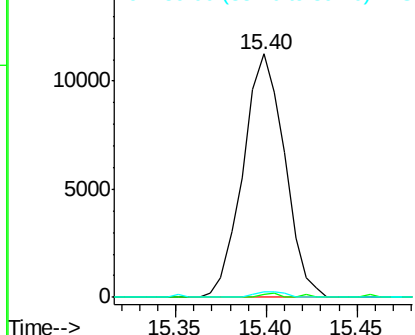
#50
 2,6-Dinitrotoluene
 Concen: 7.478 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17929
 Ion Ratio Lower Upper
 165 100
 63 1.5 52.7 79.1#
 89 2.3 49.2 73.8#

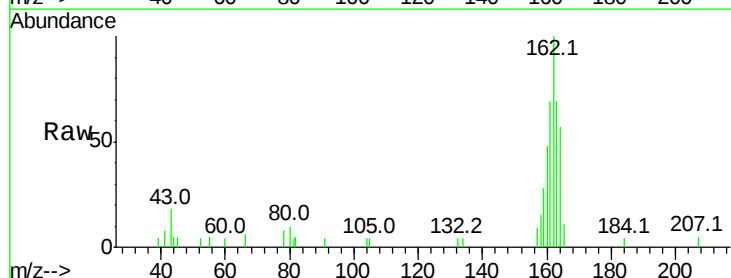


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

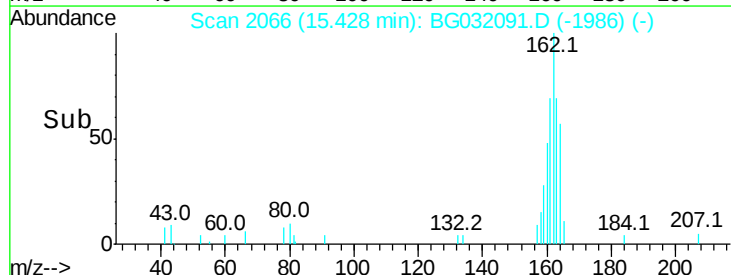
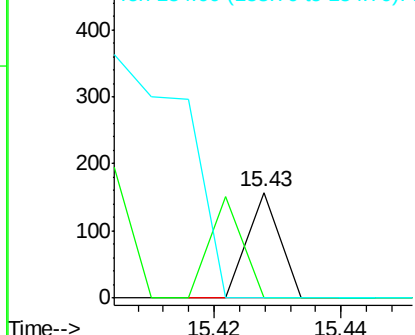


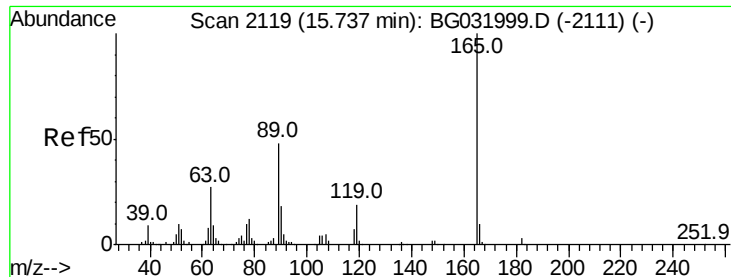
#53
 2,4-Dinitrophenol
 Concen: 7.005 ng
 RT: 15.43 min Scan# 2066
 Delta R.T. -0.06 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Tgt Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



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

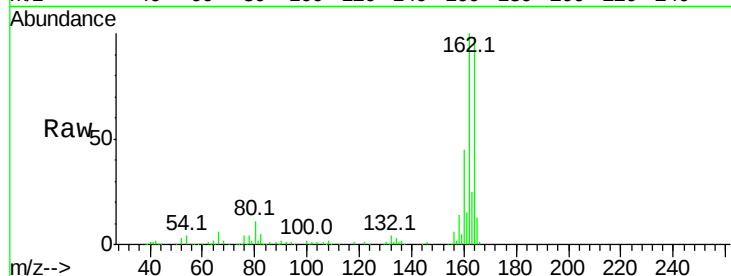




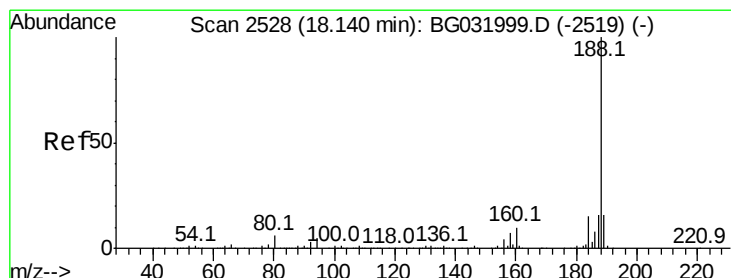
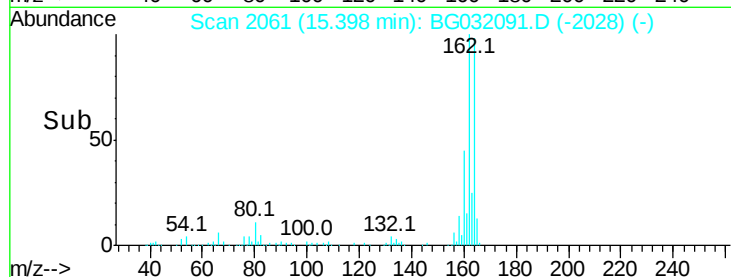
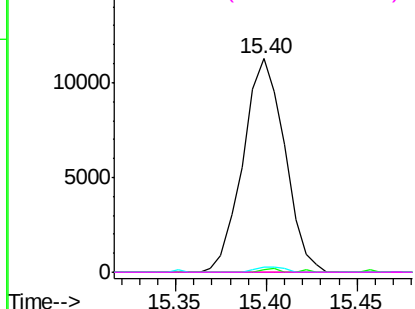
#56
2,4-Dinitrotoluene
Concen: 5.555 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17929
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.3 66.9 100.3#
182 0.0 2.6 3.8#

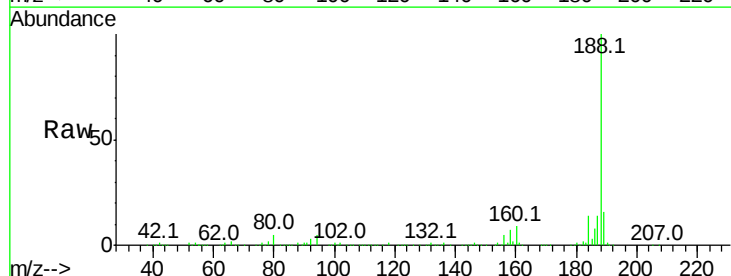


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

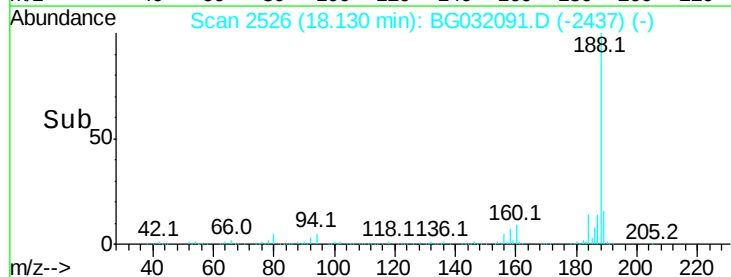
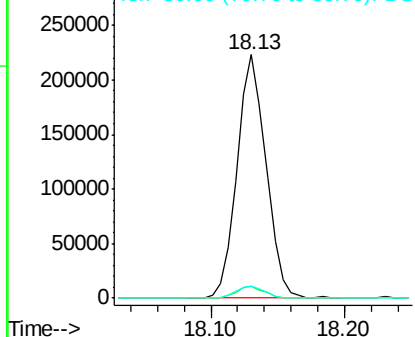


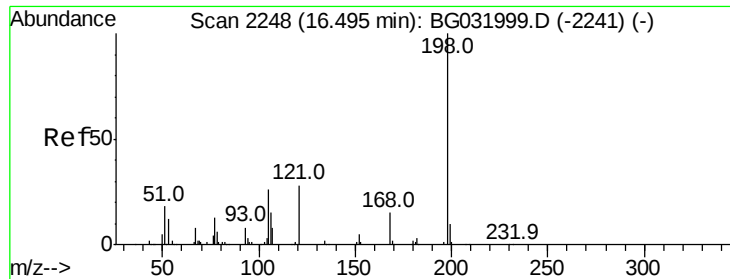
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Tgt Ion:188 Resp: 334489
Ion Ratio Lower Upper
188 100
94 4.8 6.9 10.3#
80 4.9 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

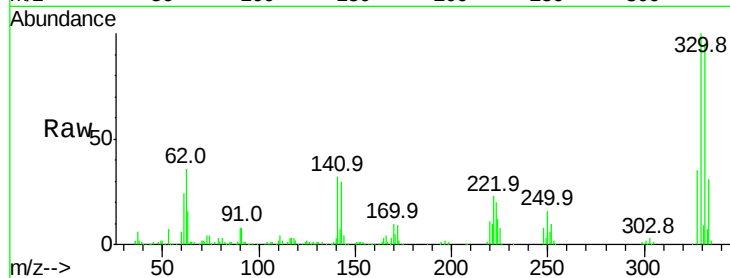




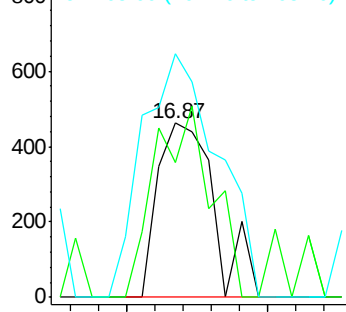
#64
4,6-Dinitro-2-methylphenol
Concen: 5.153 ng
RT: 16.87 min Scan# 2311
Delta R.T. 0.37 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

Instrument :
BNA_G
ClientSampleId :

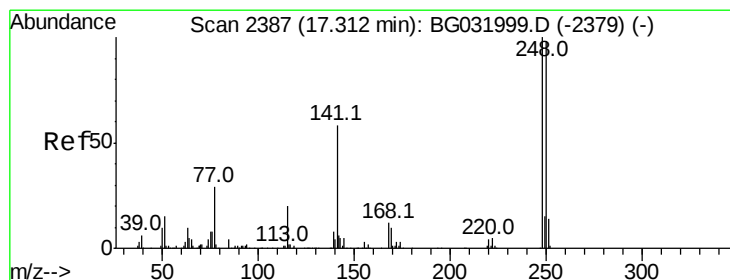
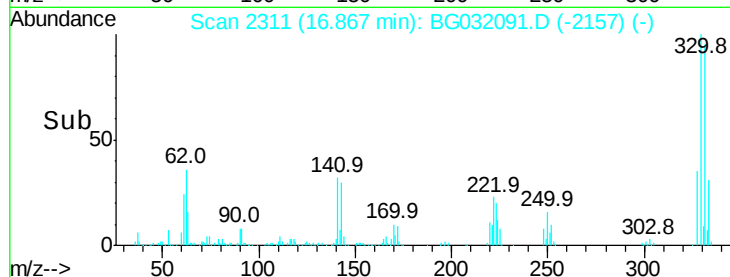
Tot Ion:198 Resp: 640
Ion Ratio Lower Upper
198 100
51 77.5 30.6 70.6#
105 139.8 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

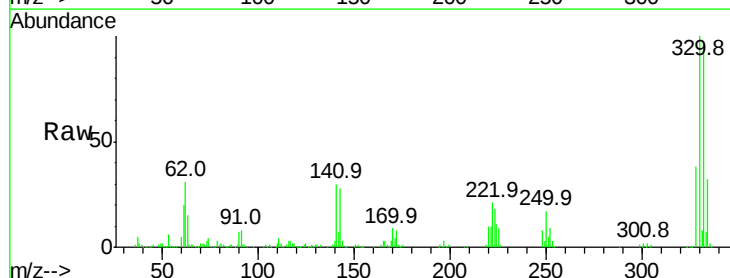


Time-->

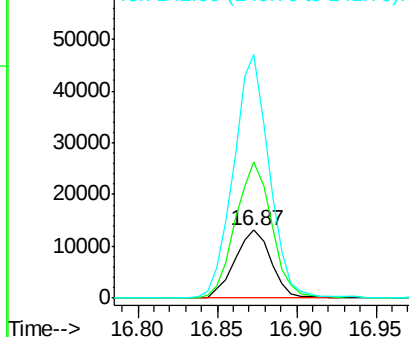


#66
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032091.D
Acq: 17 Jan 2018 4:50

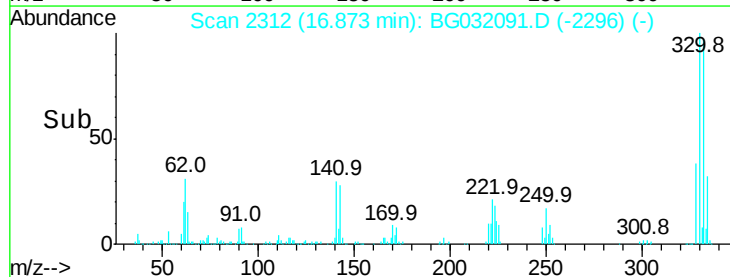
Tgt Ion:248 Resp: 21075
Ion Ratio Lower Upper
248 100
250 201.7 77.1 115.7#
141 359.1 50.8 76.2#

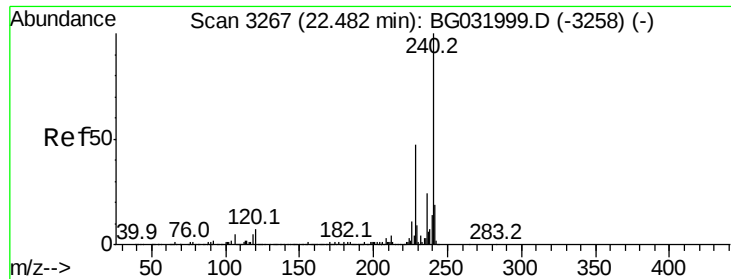


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

Instrument :

BNA_G

ClientSampleId :

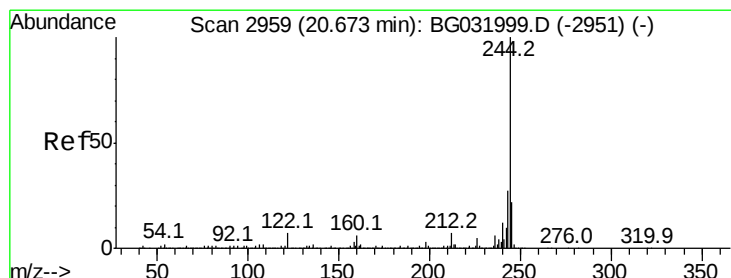
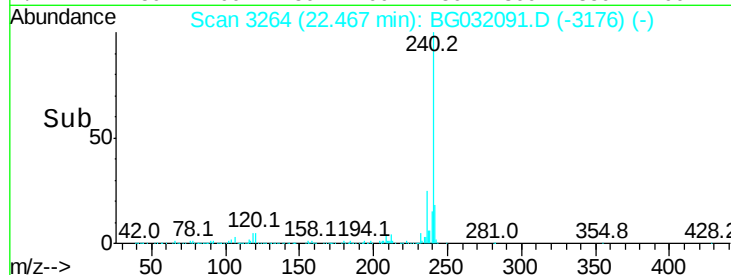
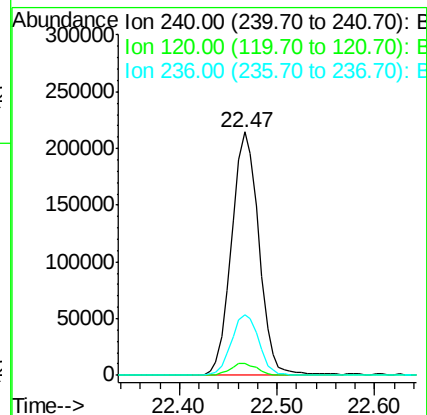
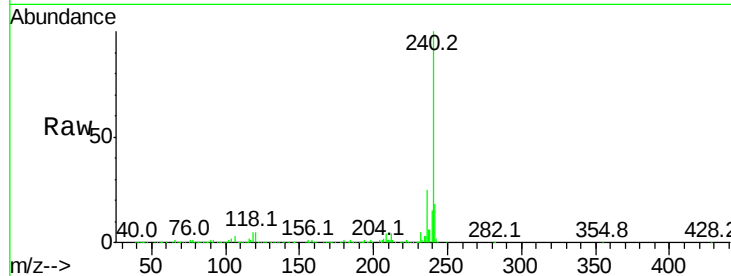
Tot Ion:240 Resp: 419258

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

236 24.7 20.9 31.3



#78

Terphenyl-d14

Concen: 79.137 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032091.D

Acq: 17 Jan 2018 4:50

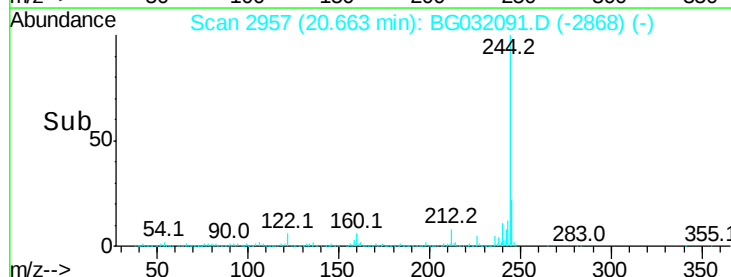
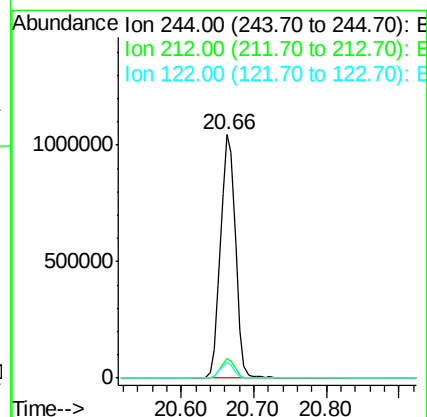
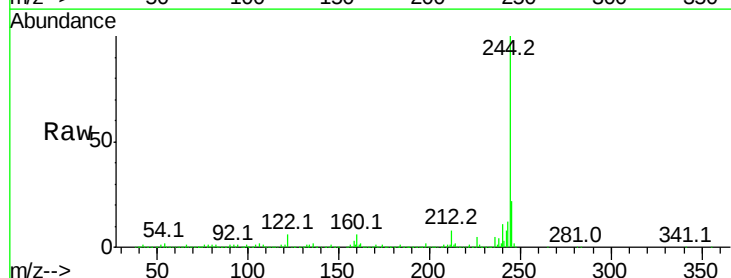
Tgt Ion:244 Resp: 1502641

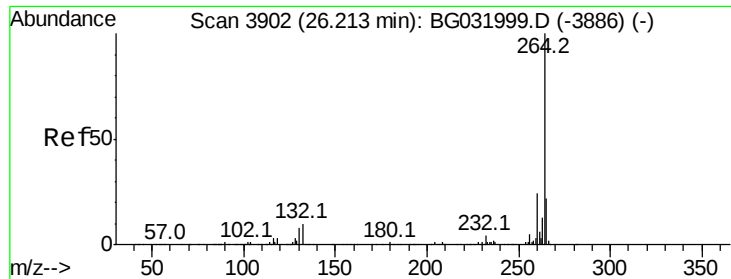
Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

122 6.3 7.0 10.4#

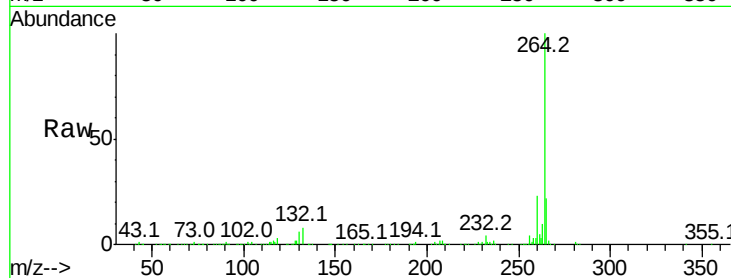




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3896
 Delta R.T. -0.03 min
 Lab File: BG032091.D
 Acq: 17 Jan 2018 4:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.6	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

