

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
 Data File : BG031836.D
 Acq On : 28 Dec 2017 21:57
 Operator : SJ/JU
 Sample : I7083-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 06:29:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

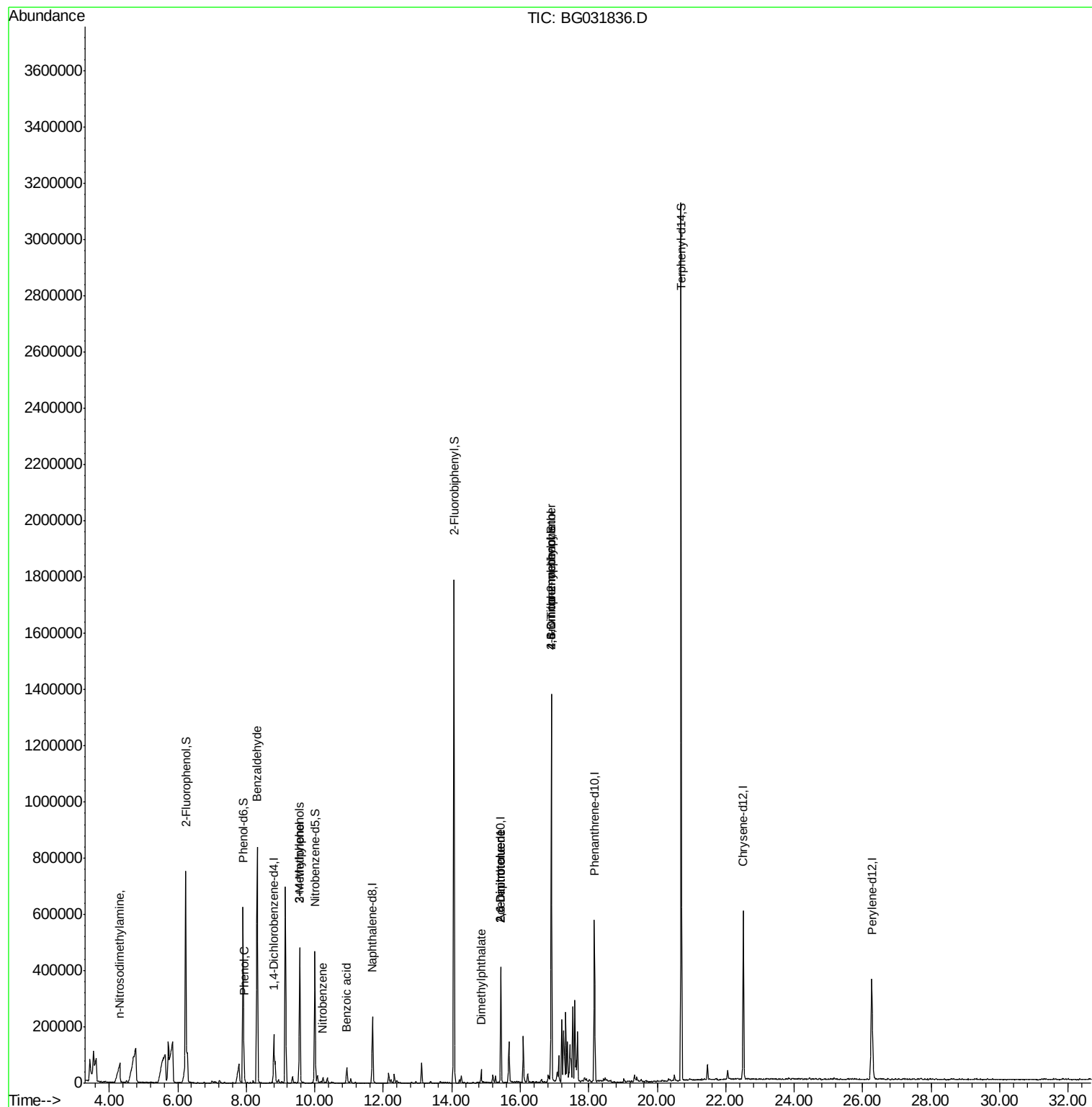
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	59326	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	238171	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	158787	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	388002	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	468729	20.00	ng	-0.06
86) Perylene-d12	26.27	264	496099	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	384528	118.06	ng	-0.02
7) Phenol-d6	7.91	99	441653	104.44	ng	-0.02
23) Nitrobenzene-d5	10.00	82	308887	97.93	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	337119	139.14	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	1114029	88.06	ng	-0.03
78) Terphenyl-d14	20.70	244	1752214	85.41	ng	-0.04
Target Compounds						
4) n-Nitrosodimethylamine	4.31	42	16470	12.646	ng	# 17
9) Benzaldehyde	8.32	77	10451	4.104	ng	# 93
10) Phenol	7.93	94	26804	6.278	ng	# 92
17) 2-Methylphenol	9.56	107	253935	83.124	ng	# 72
20) 3+4-Methylphenols	9.56	107	253935	58.486	ng	# 94
24) Nitrobenzene	10.24	77	7495	2.306	ng	# 42
32) Benzoic acid	10.91	122	228	6.775	ng	# 18
49) Dimethylphthalate	14.86	163	33989	2.430	ng	# 98
50) 2,6-Dinitrotoluene	15.43	165	20721	8.052	ng	# 20
56) 2,4-Dinitrotoluene	15.43	165	20721	6.262	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.91	198	687	8.607	ng	# 18
66) 4-Bromophenyl-phenylether	16.91	248	26486	4.721	ng	# 1

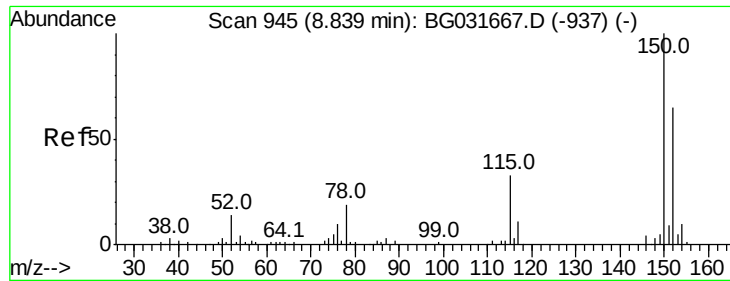
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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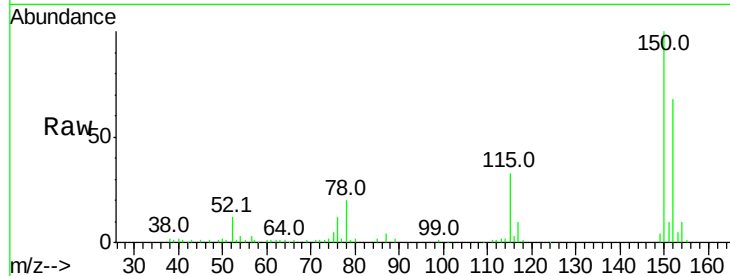


#1

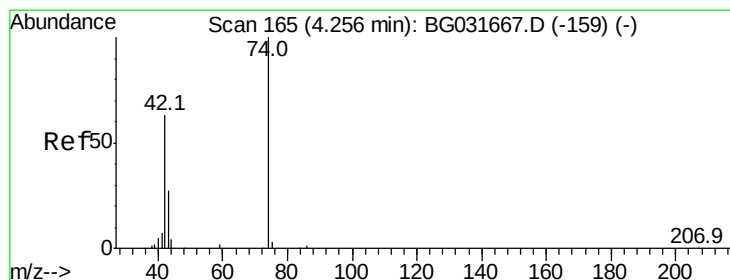
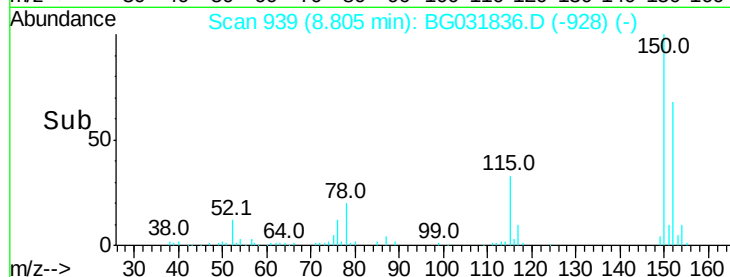
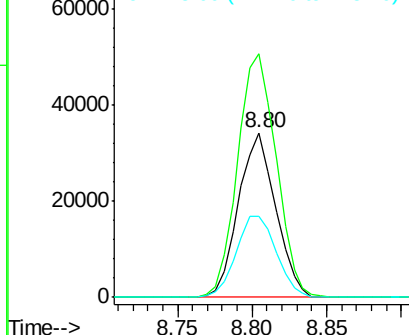
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59326
Ion Ratio Lower Upper
152 100
150 147.9 126.6 189.8
115 49.2 53.0 79.4#



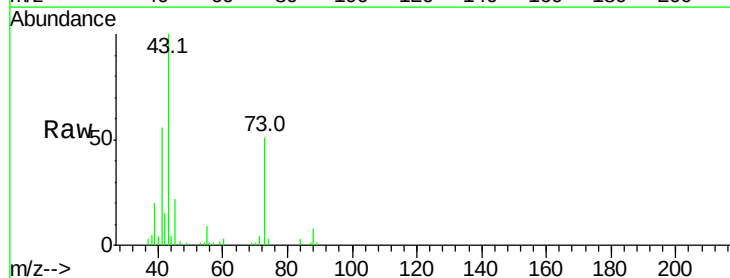
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



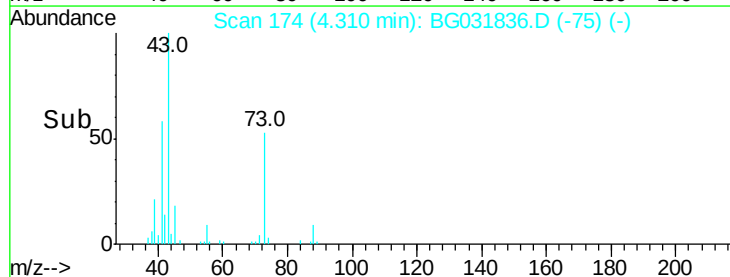
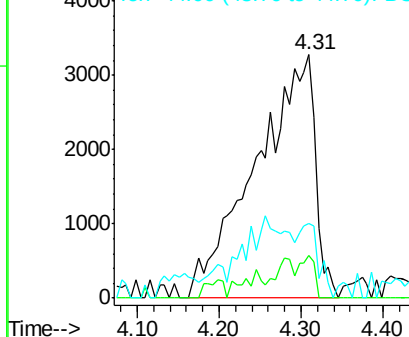
#4

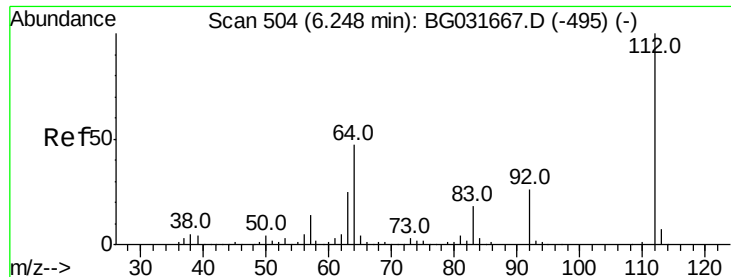
n-Nitrosodimethylamine
Concen: 12.646 ng
RT: 4.31 min Scan# 174
Delta R.T. 0.05 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Tgt Ion: 42 Resp: 16470
Ion Ratio Lower Upper
42 100
74 17.5 102.5 153.7#
44 30.5 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: 118.055 ng

RT: 6.23 min Scan# 501

Delta R.T. -0.02 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Instrument :

BNA_G

ClientSampled :

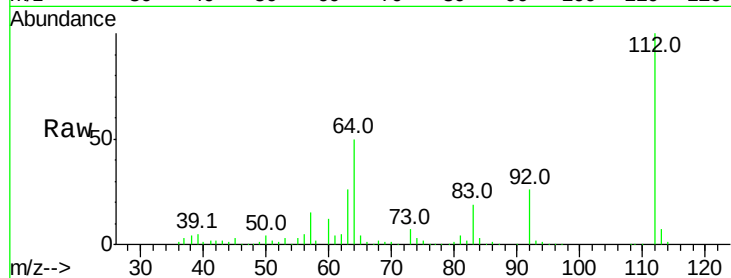
Tot Ion:112 Resp: 384528

Ion Ratio Lower Upper

112 100

64 49.7 56.3 84.5#

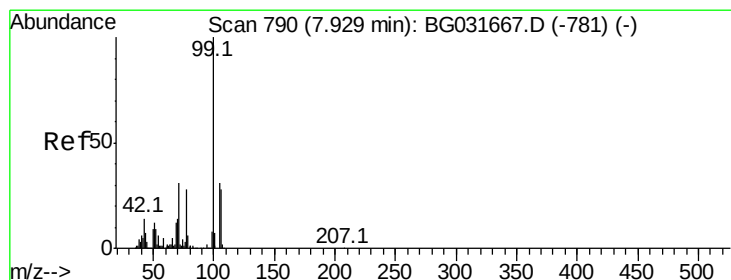
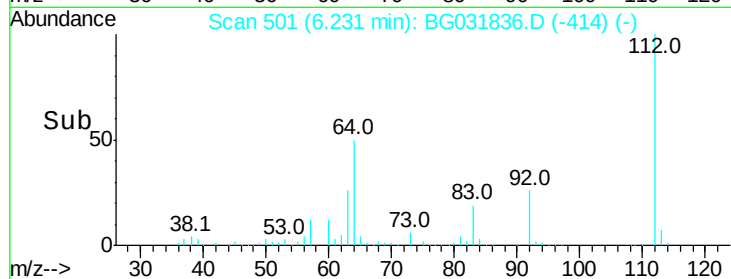
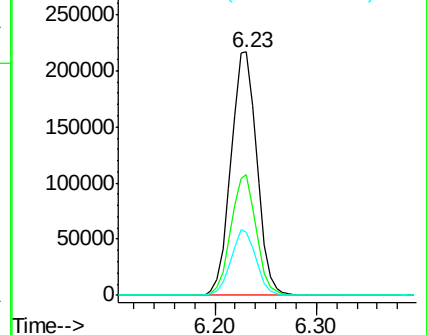
63 25.8 30.1 45.1#



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: 104.437 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

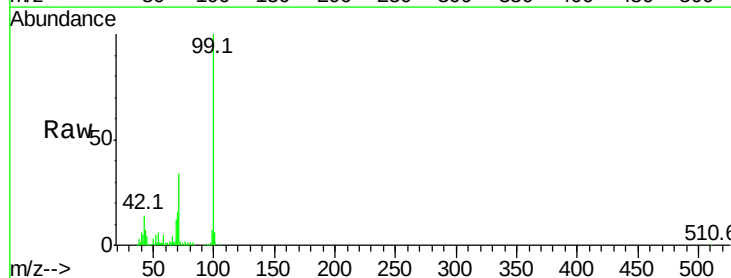
Tgt Ion: 99 Resp: 441653

Ion Ratio Lower Upper

99 100

42 13.7 14.1 21.1#

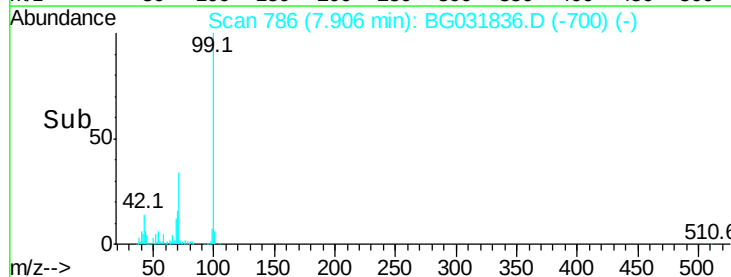
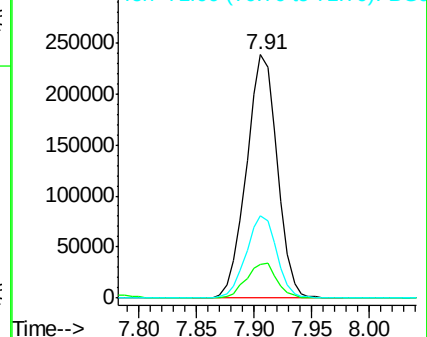
71 33.6 26.1 39.1

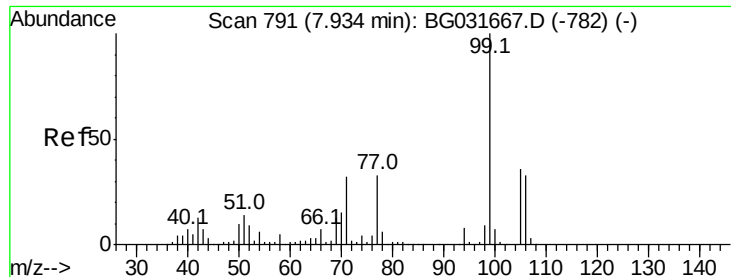


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 4.104 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Instrument :

BNA_G

ClientSampleId :

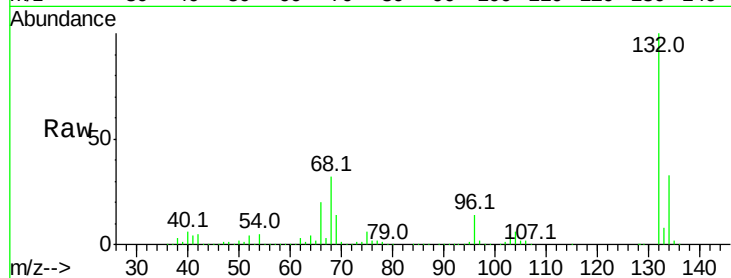
Tot Ion: 77 Resp: 10451

Ion Ratio Lower Upper

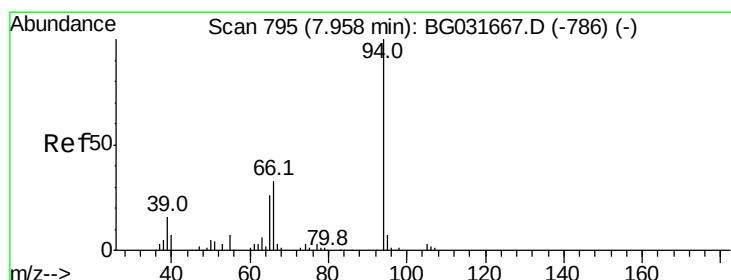
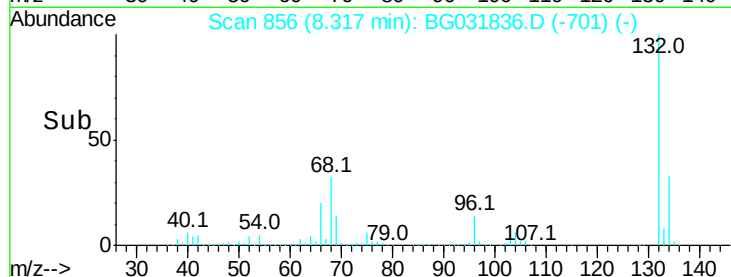
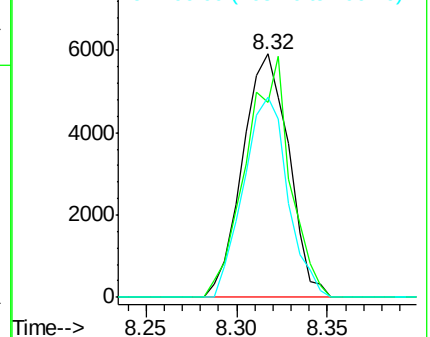
77 100

105 80.1 71.3 111.3

106 82.2 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 6.278 ng

RT: 7.93 min Scan# 791

Delta R.T. -0.02 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

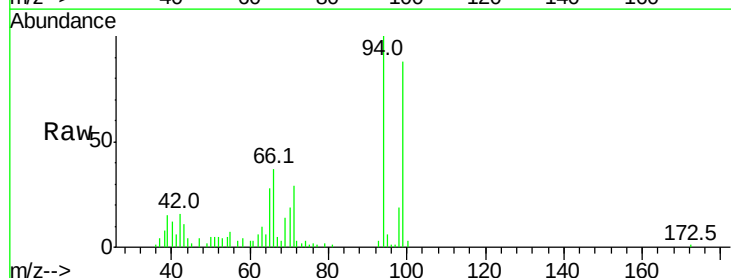
Tgt Ion: 94 Resp: 26804

Ion Ratio Lower Upper

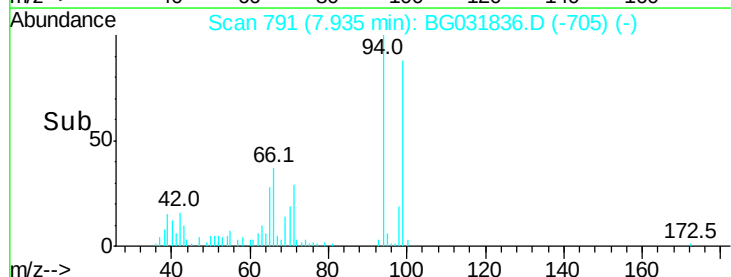
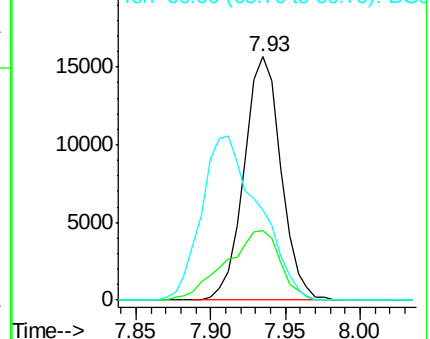
94 100

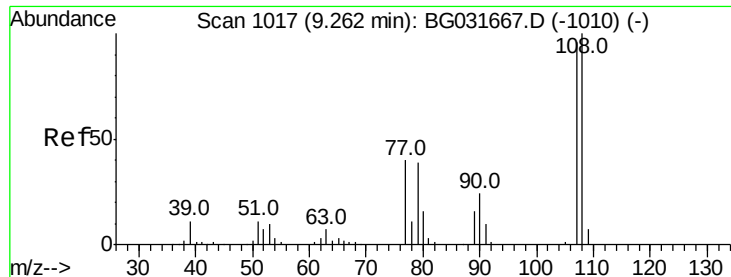
65 28.3 11.9 51.9

66 36.8 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#17

2-Methylphenol

Concen: 83.124 ng

RT: 9.56 min Scan# 1068

Delta R.T. 0.30 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 253935

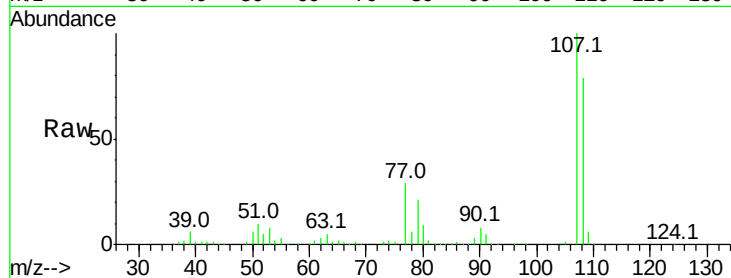
Ion Ratio Lower Upper

107 100

108 78.6 83.9 125.9#

77 29.4 37.2 55.8#

79 21.4 36.2 54.2#



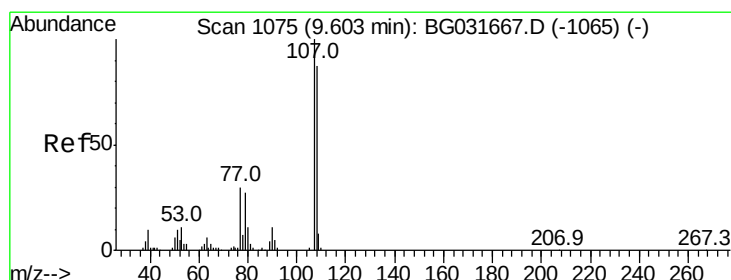
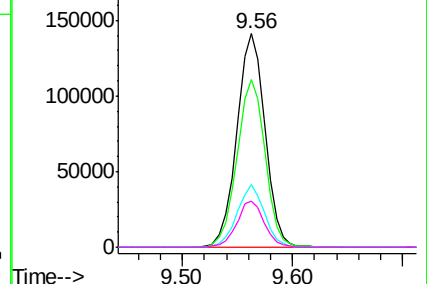
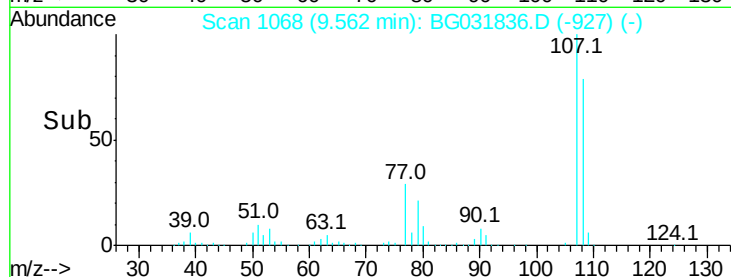
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20

3+4-Methylphenols

Concen: 58.486 ng

RT: 9.56 min Scan# 1068

Delta R.T. -0.04 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Tgt Ion:107 Resp: 253935

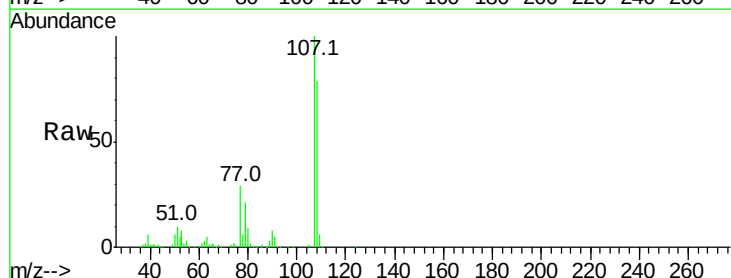
Ion Ratio Lower Upper

107 100

108 78.6 61.6 101.6

77 29.4 13.9 53.9

79 21.4 8.8 48.8



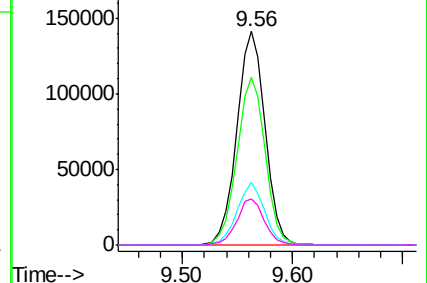
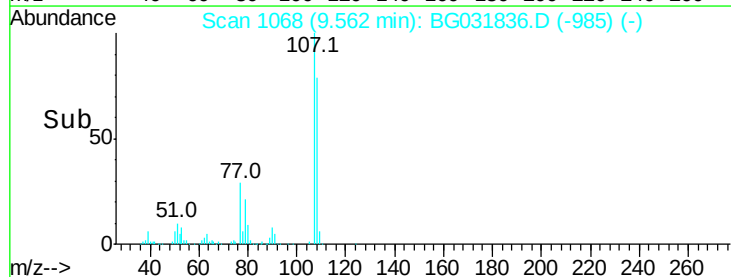
Abundance

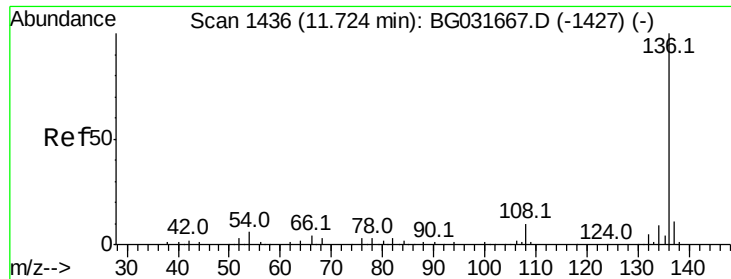
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

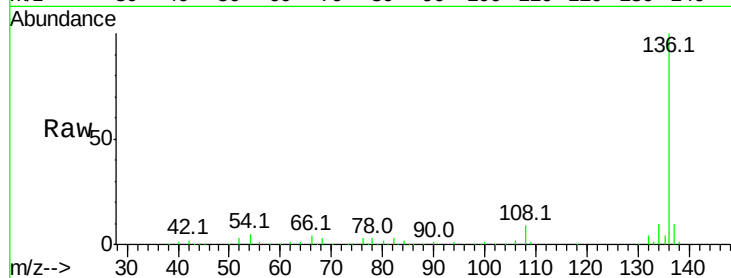




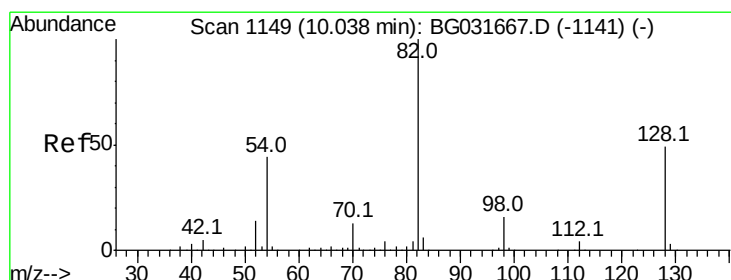
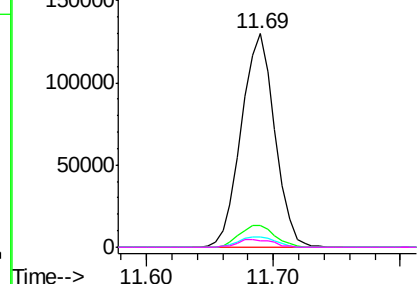
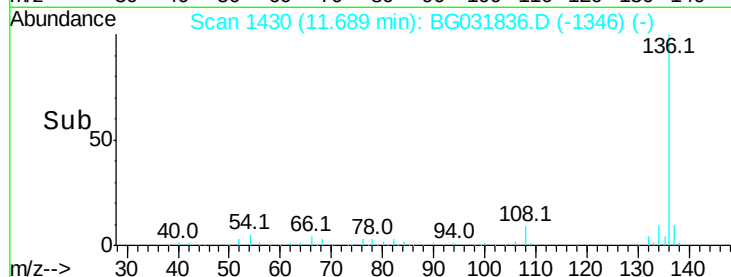
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	238171
Ion Ratio	Lower	Upper
136	100	
137	10.2	9.2 13.8
54	4.8	10.3 15.5#
68	3.2	4.5 6.7#

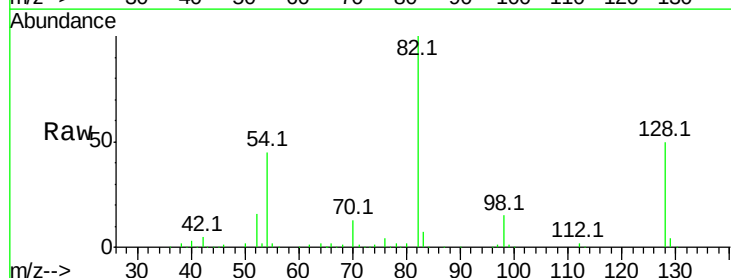


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

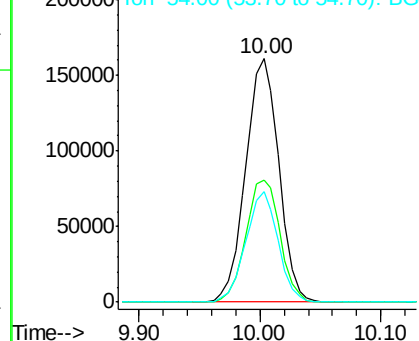
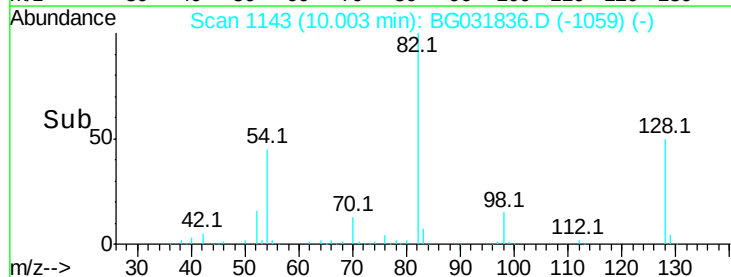


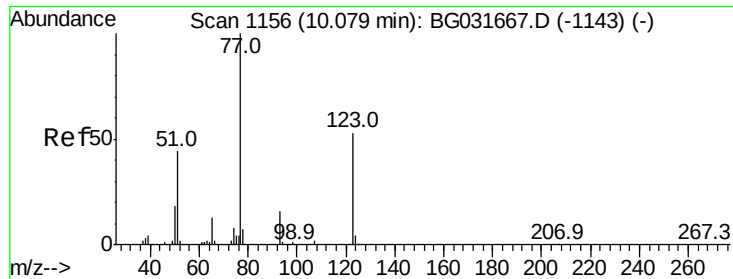
#23
Nitrobenzene-d5
Concen: 97.933 ng
RT: 10.00 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Tgt Ion: 82	Resp:	308887
Ion Ratio	Lower	Upper
82	100	
128	50.1	29.7 44.5#
54	45.2	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 2.306 ng

RT: 10.24 min Scan# 1183

Delta R.T. 0.16 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Instrument :

BNA_G

ClientSampled :

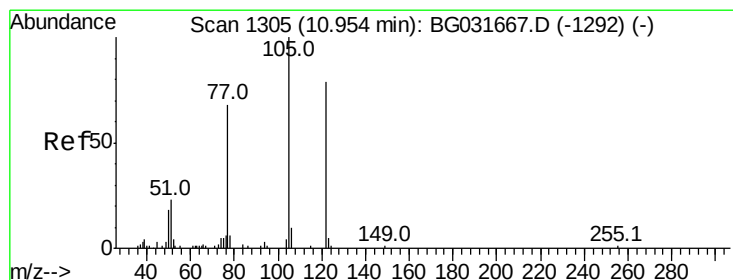
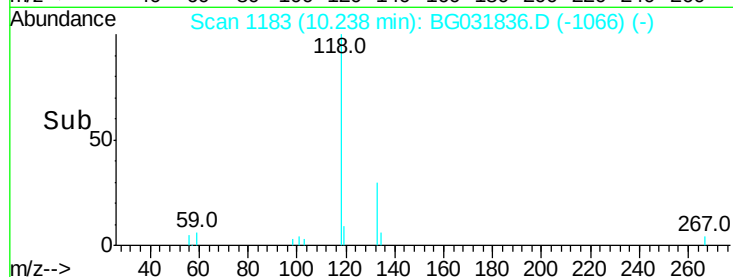
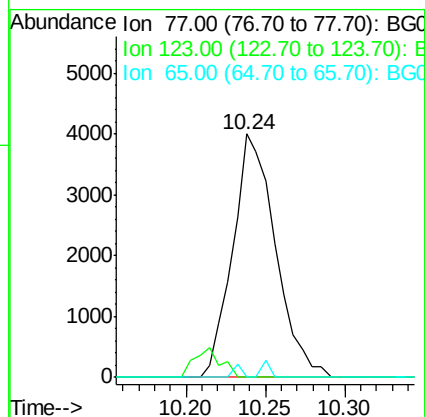
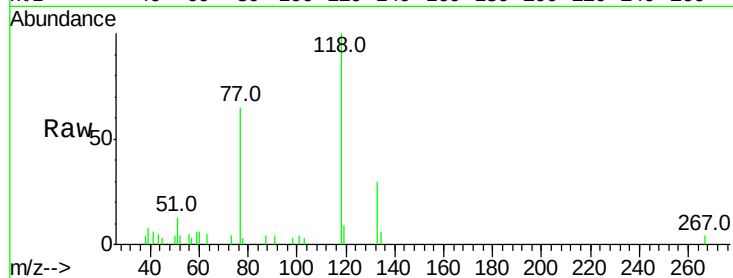
Tot Ion: 77 Resp: 7495

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



#32

Benzoic acid

Concen: 6.775 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.05 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

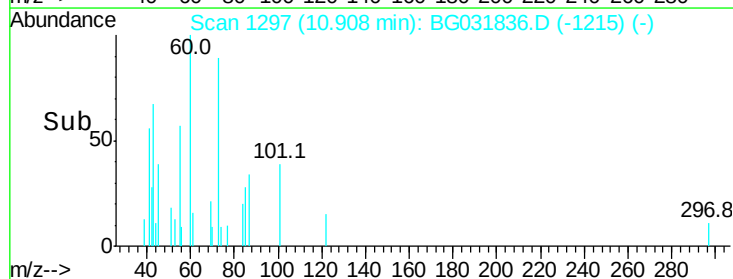
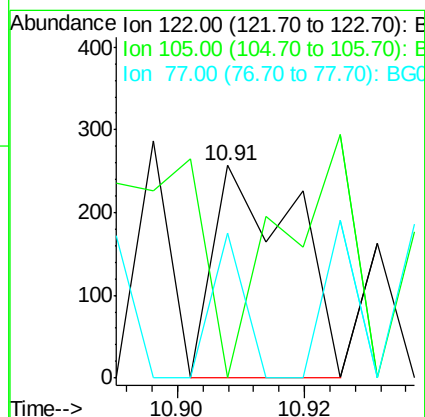
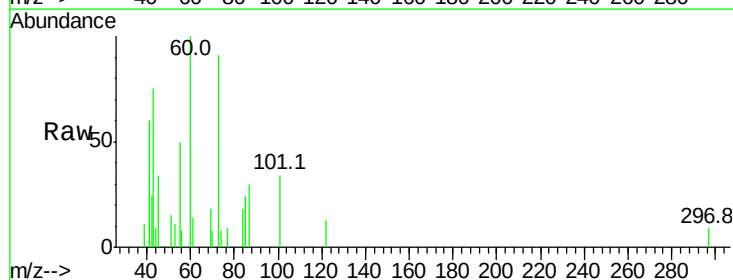
Tgt Ion: 122 Resp: 228

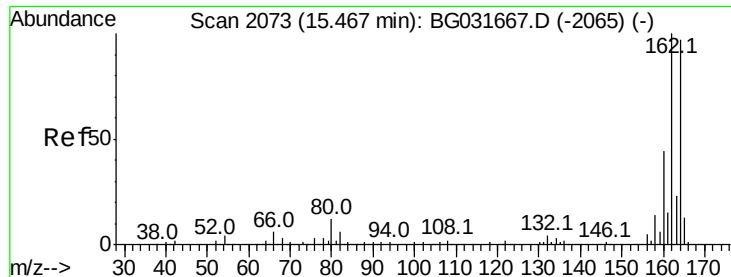
Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 68.5 85.7 125.7#

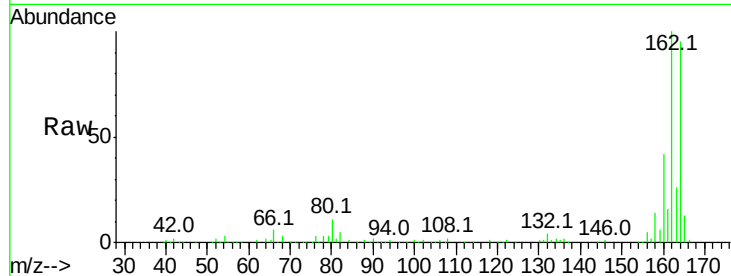




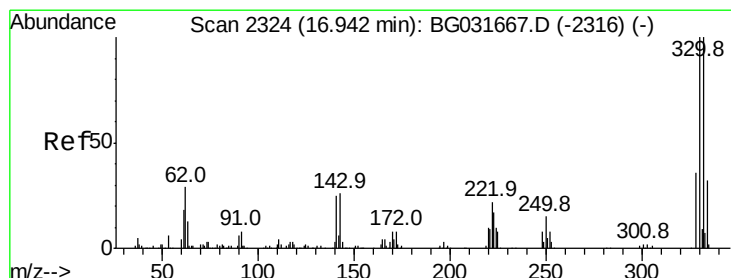
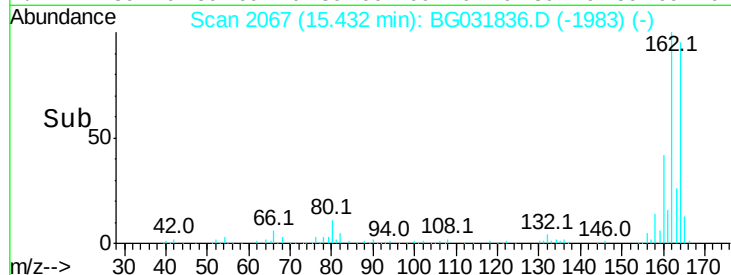
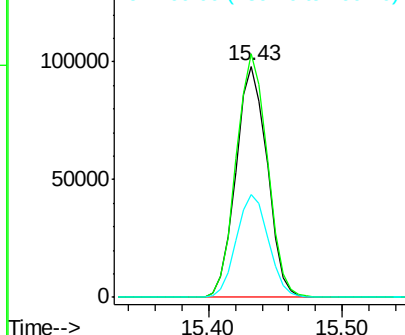
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 158787
Ion Ratio Lower Upper
164 100
162 105.2 78.8 118.2
160 44.3 35.4 53.0

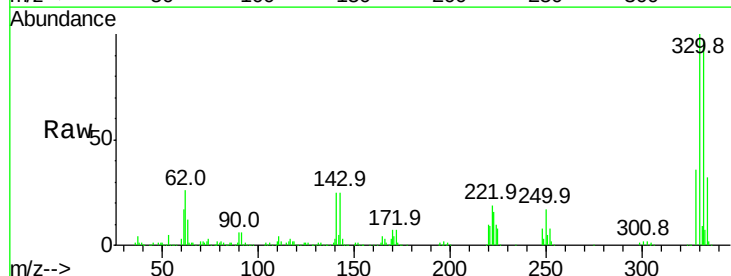


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

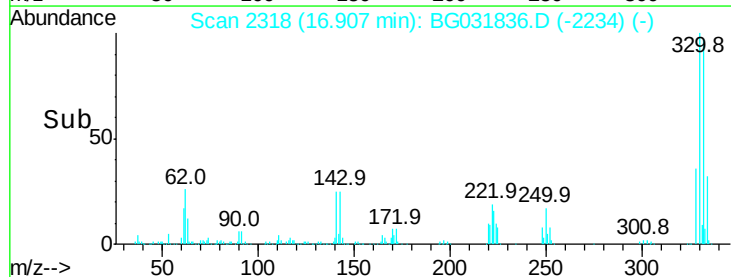
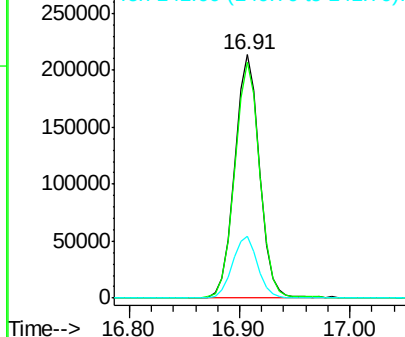


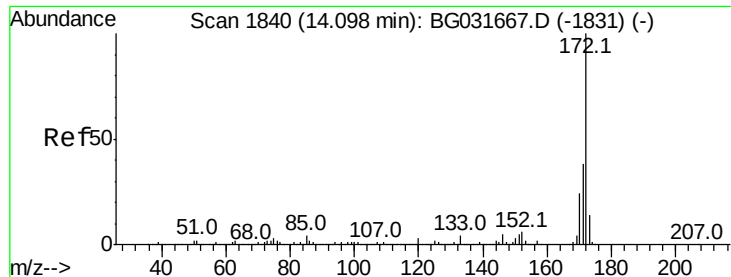
#41
2,4,6-Tribromophenol
Concen: 139.140 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Tgt Ion:330 Resp: 337119
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 25.7 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

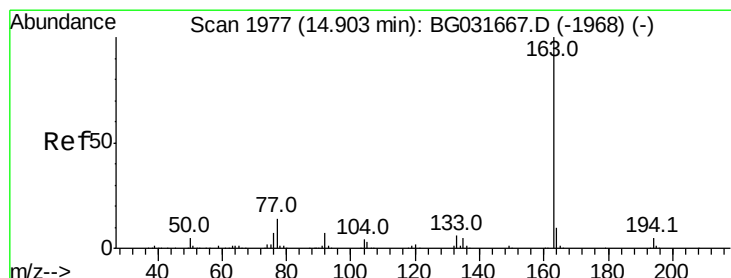
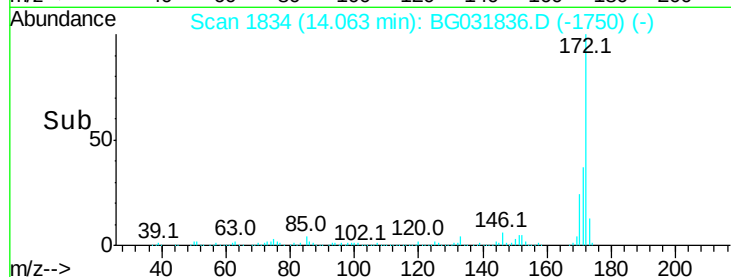
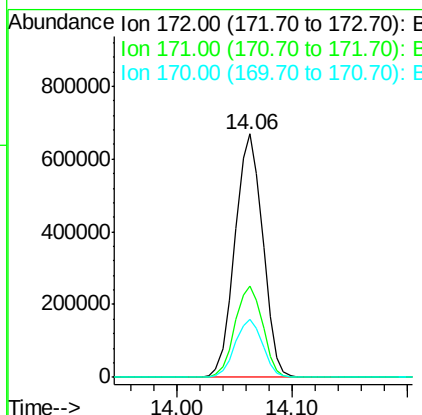
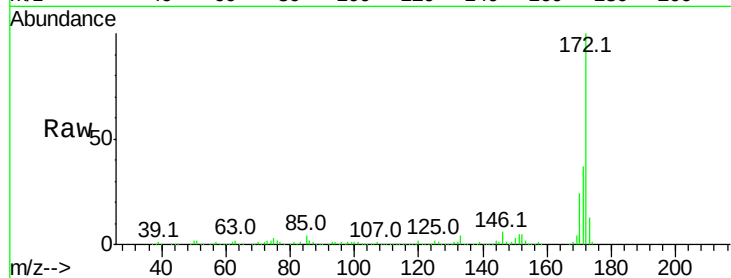




#44
2-Fluorobiphenyl
Concen: 88.059 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

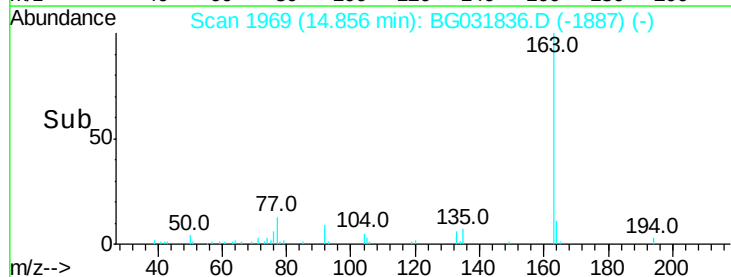
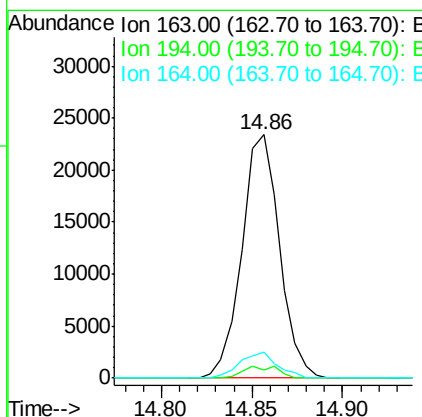
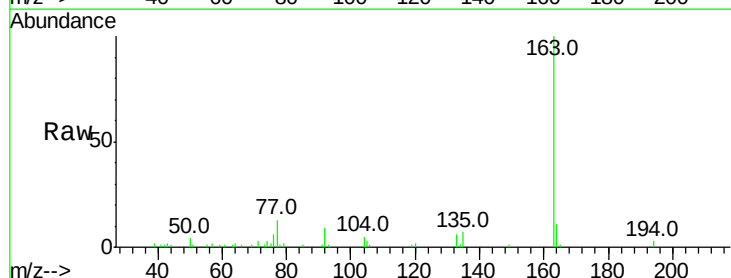
Instrument :
BNA_G
ClientSampleId :

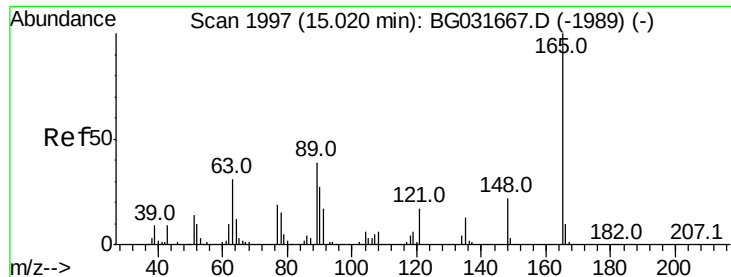
Tot Ion:172 Resp: 1114029
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 23.9 19.5 29.3



#49
Dimethylphthalate
Concen: 2.430 ng
RT: 14.86 min Scan# 1969
Delta R.T. -0.05 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Tgt Ion:163 Resp: 33989
Ion Ratio Lower Upper
163 100
194 3.2 3.4 5.2#
164 10.7 8.2 12.4

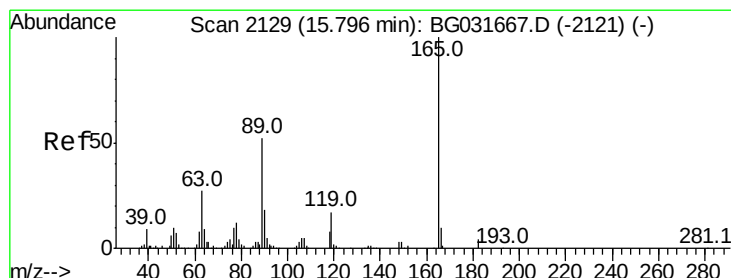
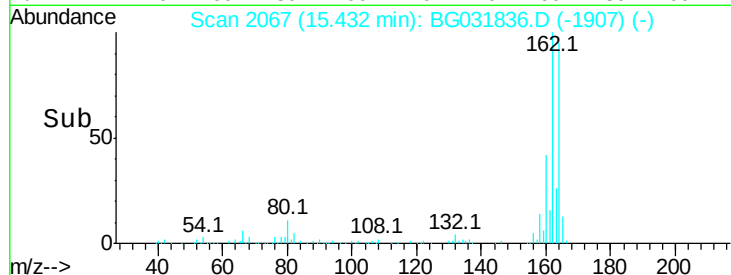
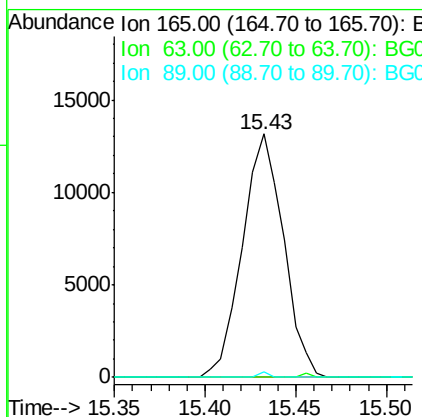
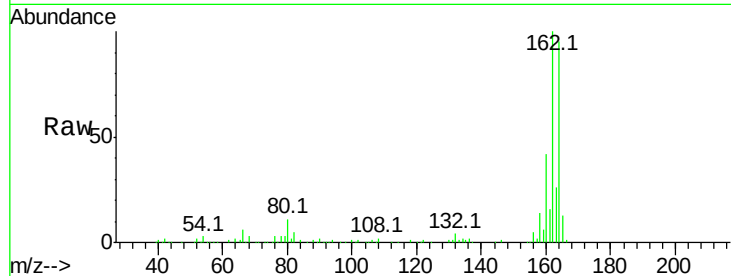




#50
2,6-Dinitrotoluene
Concen: 8.052 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

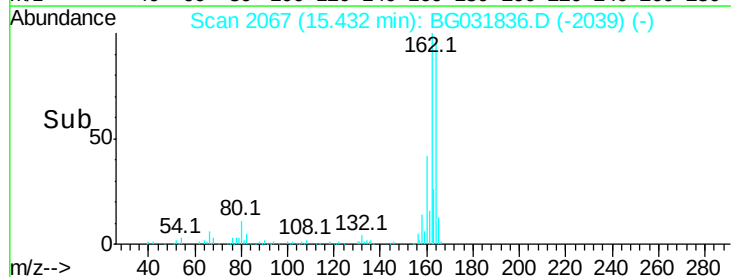
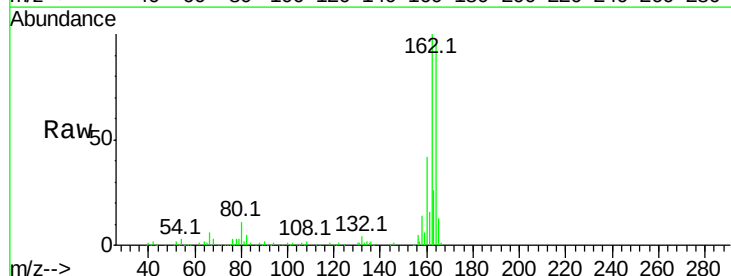
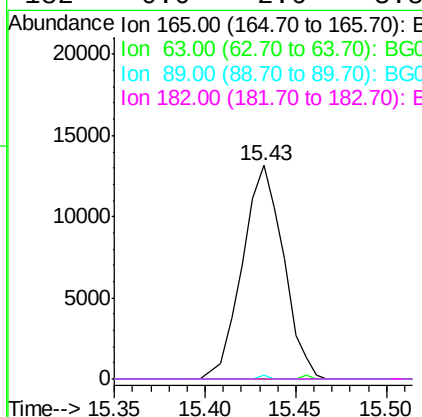
Instrument :
BNA_G
ClientSampleId :

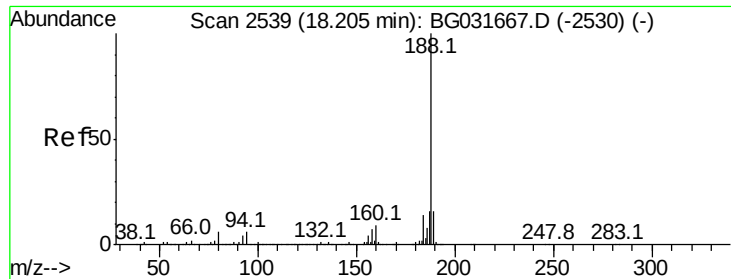
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.262 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031836.D
Acq: 28 Dec 2017 21:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#

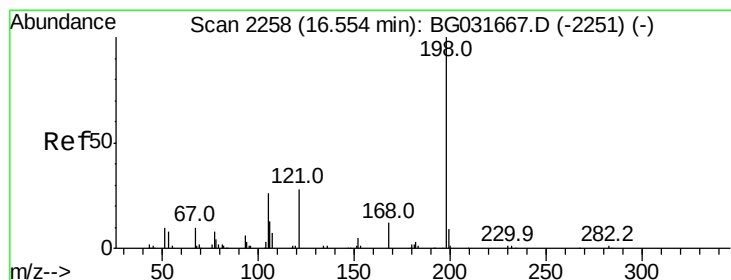
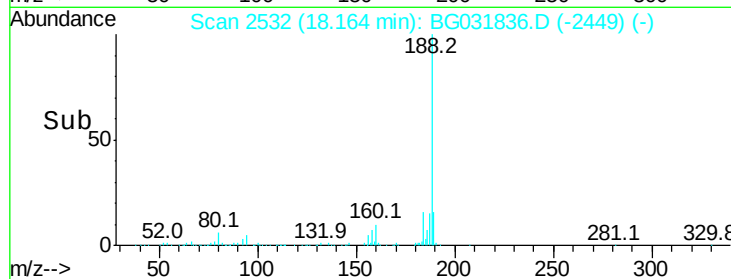
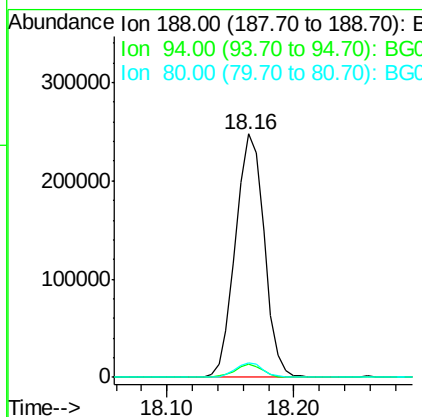
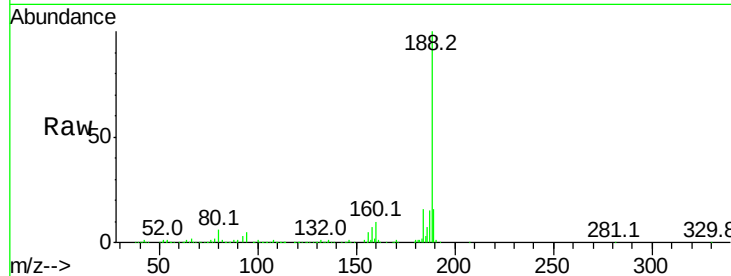




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.16 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031836.D
 Acq: 28 Dec 2017 21:57

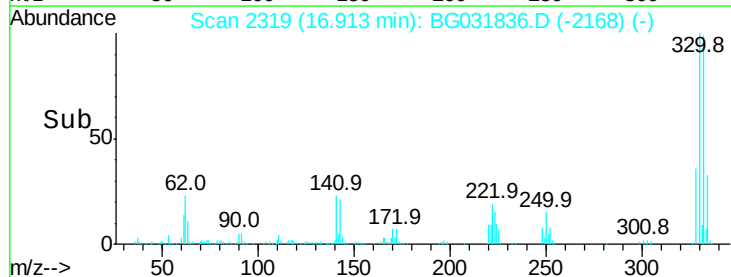
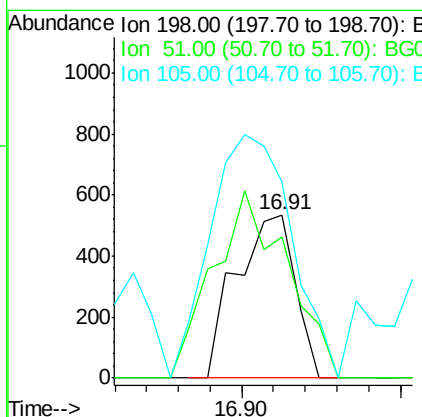
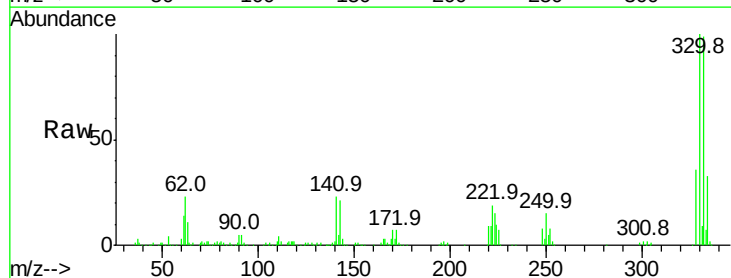
Instrument :
 BNA_G
 ClientSampleId :

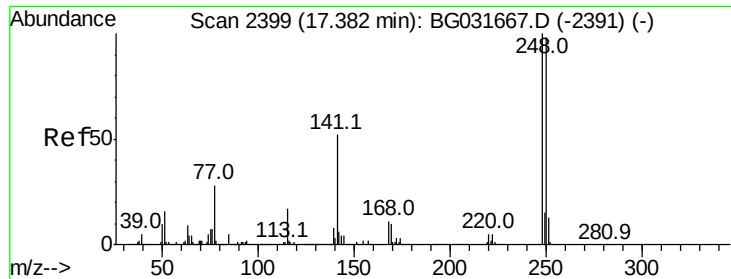
Tot Ion:188 Resp: 388002
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 5.8 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.607 ng
 RT: 16.91 min Scan# 2319
 Delta R.T. 0.36 min
 Lab File: BG031836.D
 Acq: 28 Dec 2017 21:57

Tgt Ion:198 Resp: 687
 Ion Ratio Lower Upper
 198 100
 51 86.4 30.6 70.6#
 105 120.0 23.8 63.8#

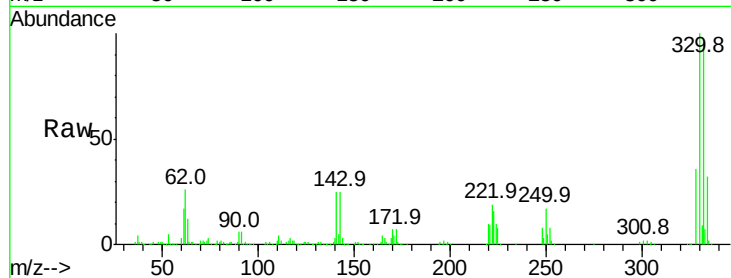




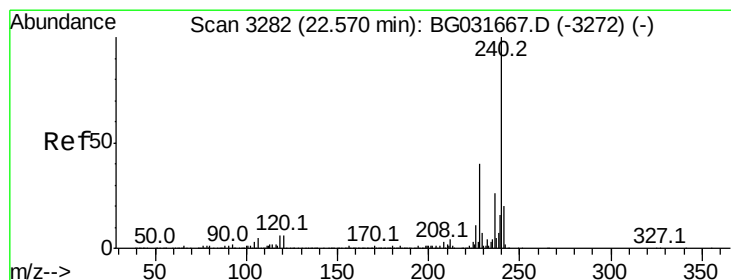
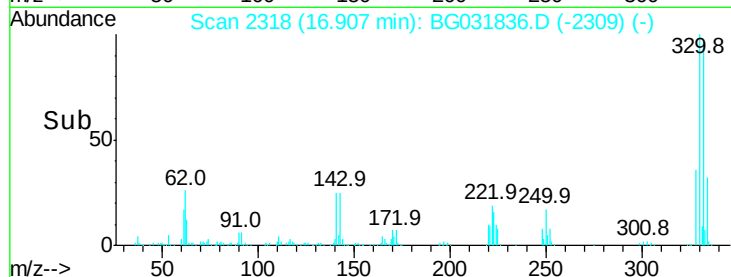
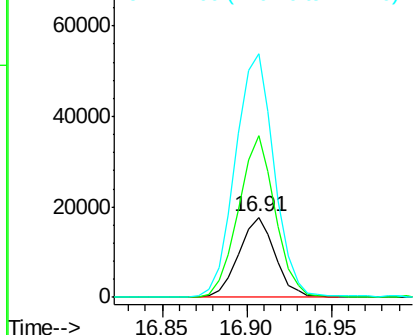
#66
 4-Bromophenyl-phenylether
 Concen: 4.721 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.48 min
 Lab File: BG031836.D
 Acq: 28 Dec 2017 21:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26486
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.1 115.7#
 141 304.7 50.8 76.2#

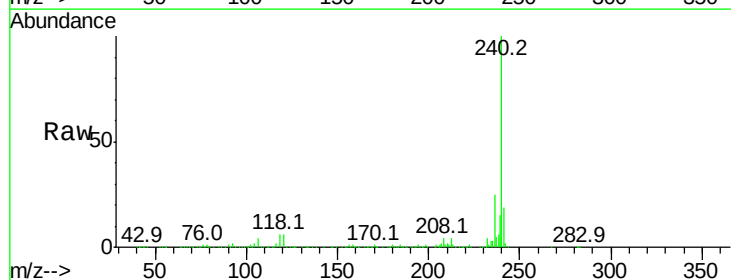


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

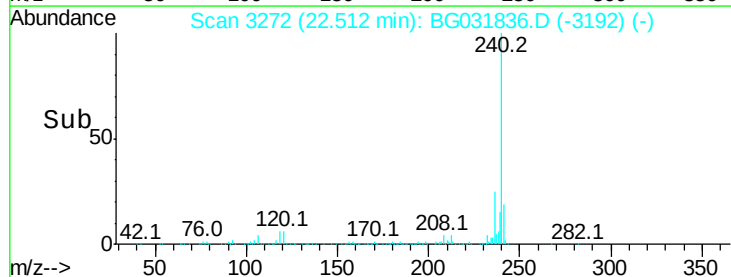
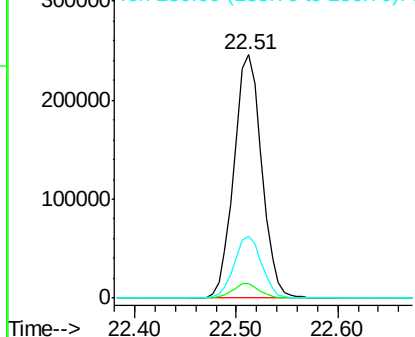


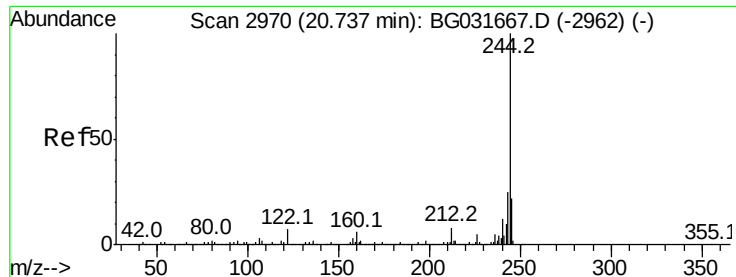
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.51 min Scan# 3272
 Delta R.T. -0.06 min
 Lab File: BG031836.D
 Acq: 28 Dec 2017 21:57

Tgt Ion:240 Resp: 468729
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.8 10.2#
 236 25.3 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





#78

Terphenyl-d14

Concen: 85.405 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

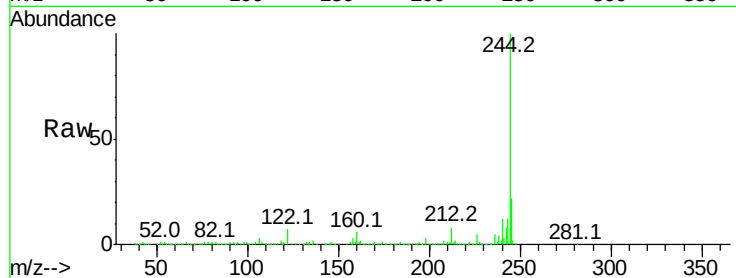
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1752214

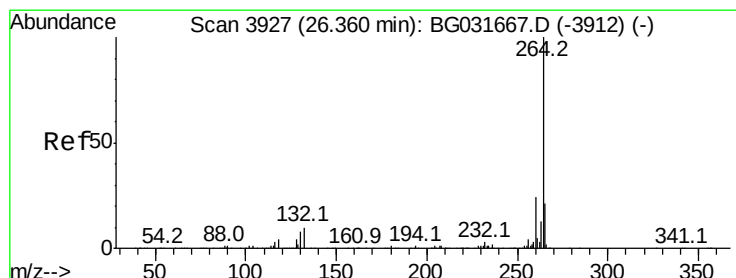
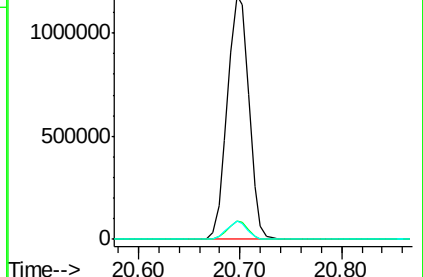
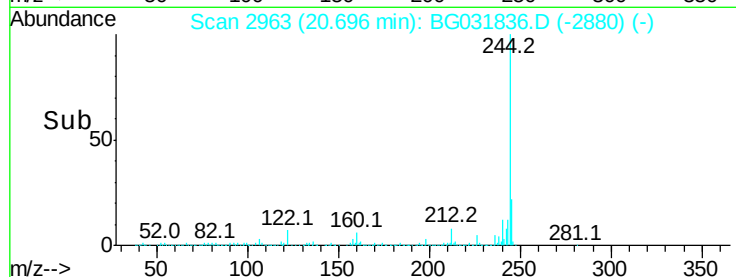
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	7.4	7.0	10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.27 min Scan# 3911

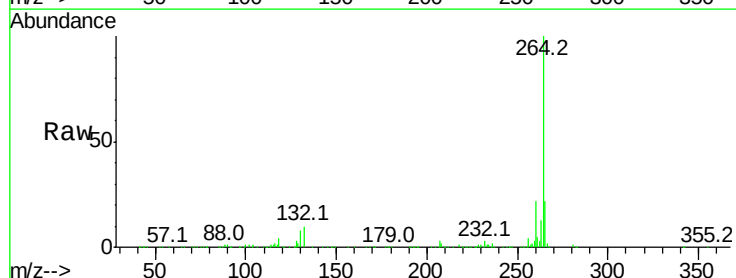
Delta R.T. -0.09 min

Lab File: BG031836.D

Acq: 28 Dec 2017 21:57

Tgt Ion:264 Resp: 496099

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	22.2	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

