

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031782.D
 Acq On : 27 Dec 2017 4:39
 Operator : SJ/JU
 Sample : I7004-05DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-1-121817

Quant Time: Dec 27 06:36:42 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

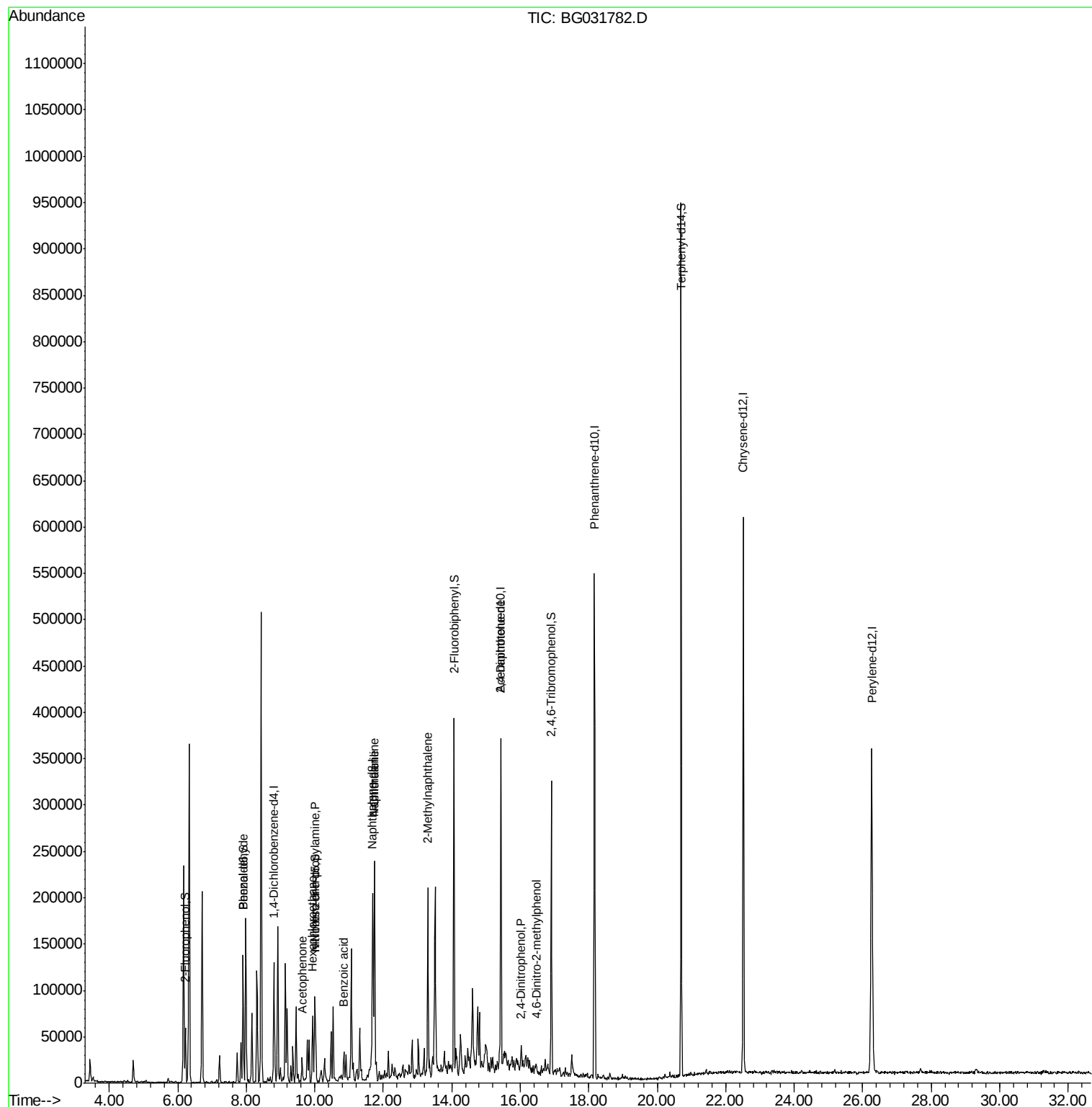
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	43471	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	190096	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	139792	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	369850	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	453181	20.00	ng	-0.06
86) Perylene-d12	26.26	264	493383	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	34021	14.25	ng	-0.02
7) Phenol-d6	7.90	99	27155	8.76	ng	-0.03
23) Nitrobenzene-d5	10.00	82	56658	22.51	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	77557	36.36	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	236405	21.23	ng	-0.03
78) Terphenyl-d14	20.70	244	503625	25.39	ng	-0.04
Target Compounds						Qvalue
9) Benzaldehyde	7.91	77	7902	4.24	ng	# 1
18) Hexachloroethane	9.94	117	8945	8.41	ng	# 1
19) n-Nitroso-di-n-propylamine	10.00	70	7482	3.54	ng	# 77
22) Acetophenone	9.63	105	21998	4.98	ng	# 55
31) Naphthalene	11.74	128	213939	22.30	ng	96
32) Benzoic acid	10.84	122	4027	8.47	ng	90
33) 4-Chloroaniline	11.74	127	29581	6.93	ng	# 24
37) 2-Methylnaphthalene	13.30	142	112842	14.51	ng	92
53) 2,4-Dinitrophenol	16.00	184	78	7.71	ng	# 1
56) 2,4-Dinitrotoluene	15.43	165	18797	6.45	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.47	198	56	8.33	ng	# 1

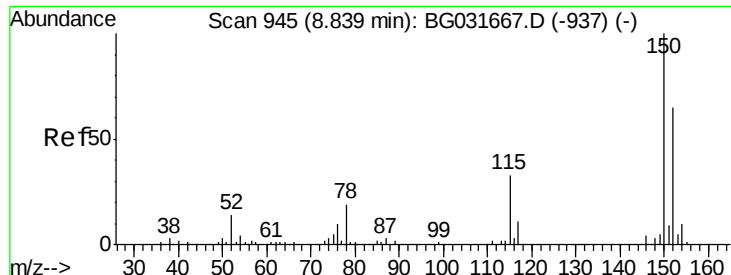
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.80 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Instrument :

BNA_G

ClientSampleId :

PR-MW-1-121817

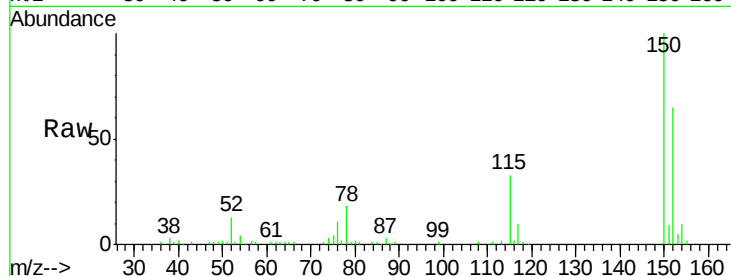
Tot Ion:152 Resp: 43471

Ion Ratio Lower Upper

152 100

150 153.1 126.6 189.8

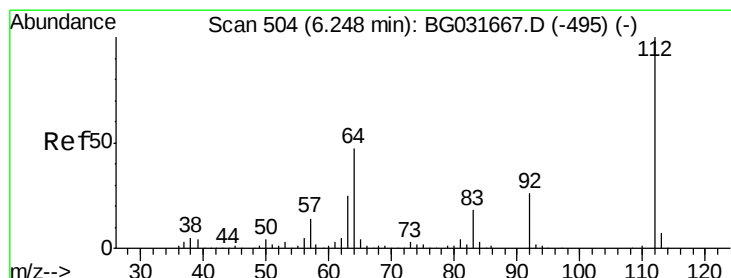
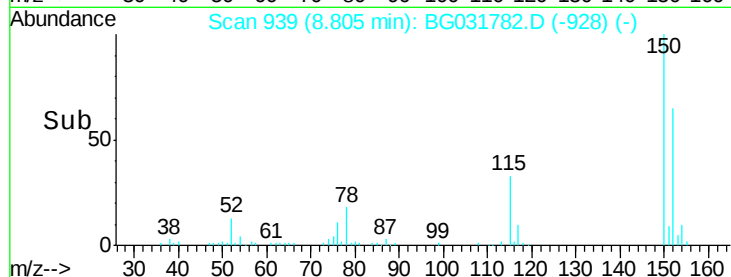
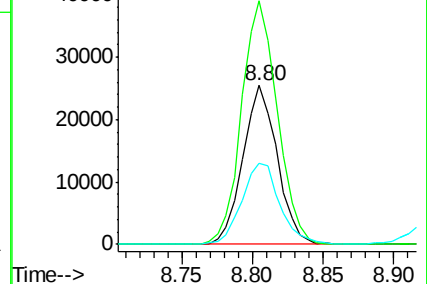
115 50.9 53.0 79.4#



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



#5

2-Fluorophenol

Concen: 14.25 ng

RT: 6.23 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

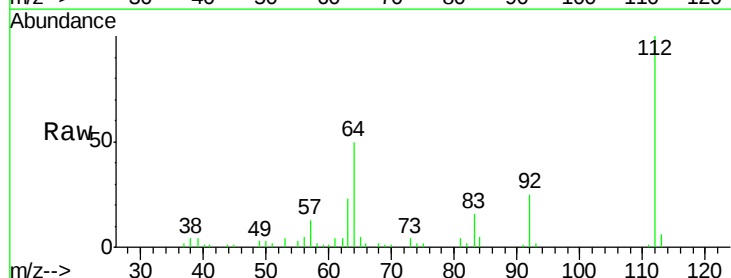
Tgt Ion:112 Resp: 34021

Ion Ratio Lower Upper

112 100

64 49.7 56.3 84.5#

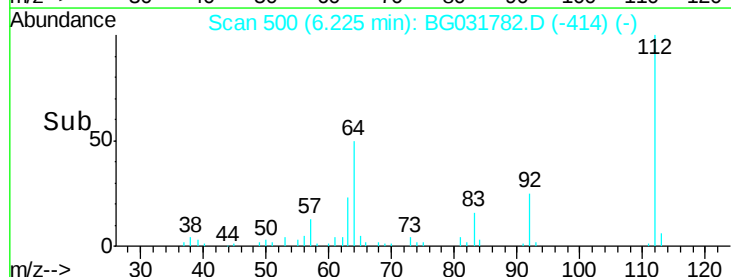
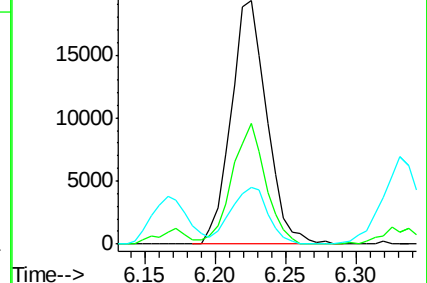
63 23.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 8.76 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Instrument :

BNA_G

ClientSampleId :

PR-MW-1-121817

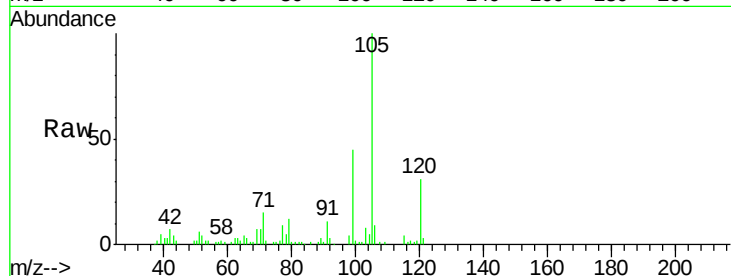
Tot Ion: 99 Resp: 27155

Ion Ratio Lower Upper

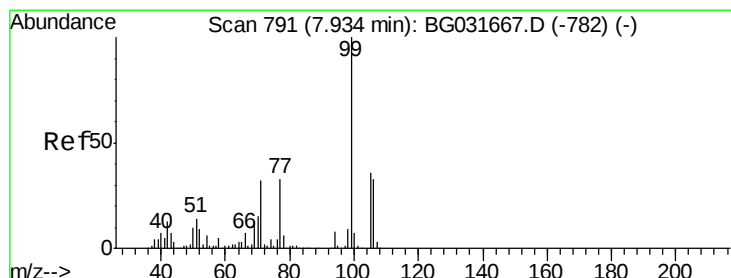
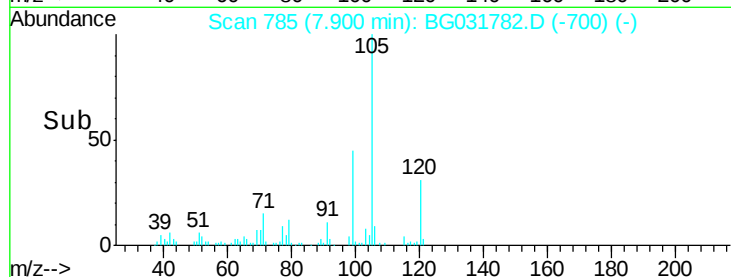
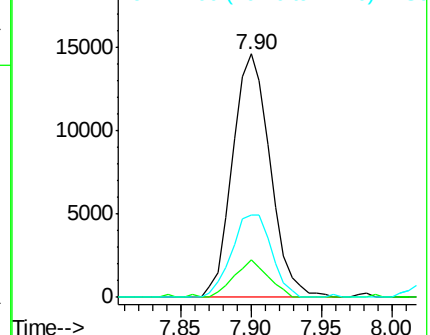
99 100

42 15.2 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: 4.24 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.03 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

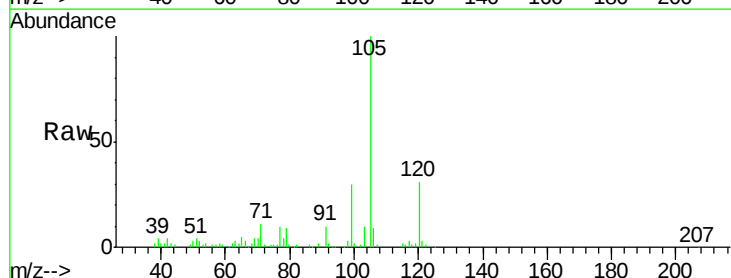
Tgt Ion: 77 Resp: 7902

Ion Ratio Lower Upper

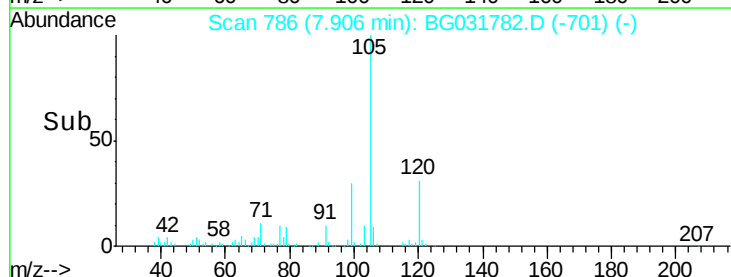
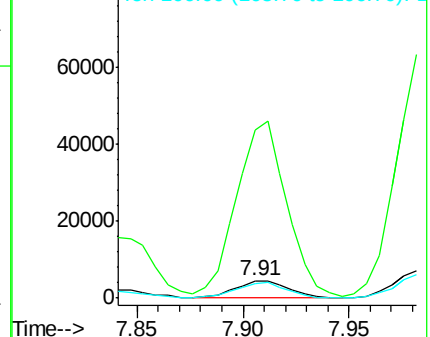
77 100

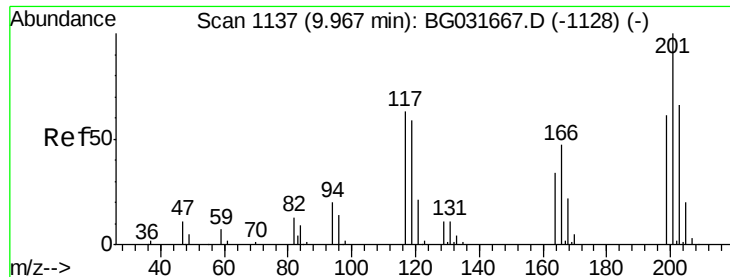
105 956.1 71.3 111.3#

106 85.7 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

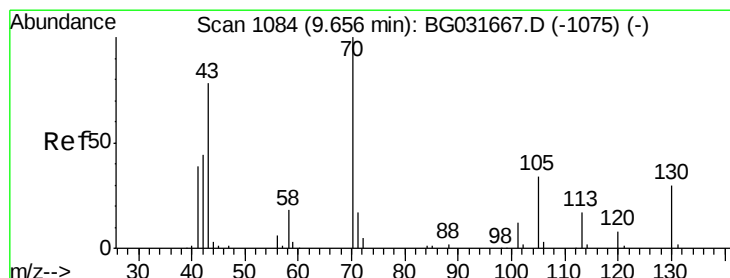
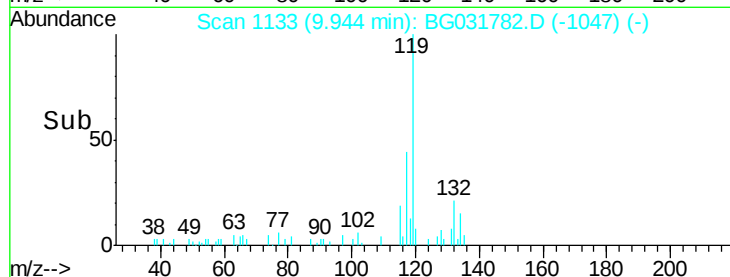
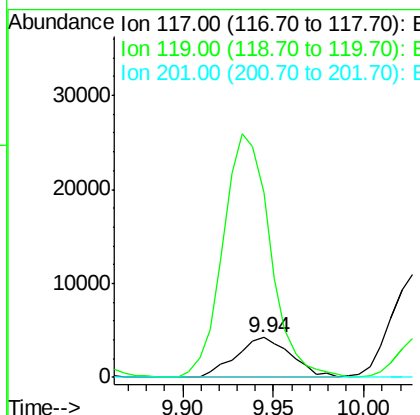
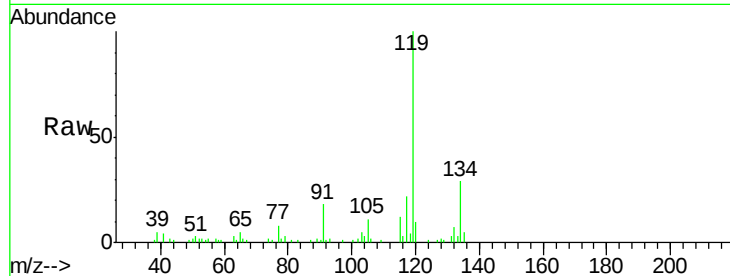




#18
Hexachloroethane
Concen: 8.41 ng
RT: 9.94 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

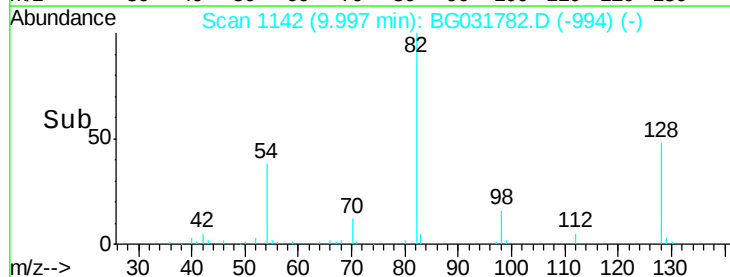
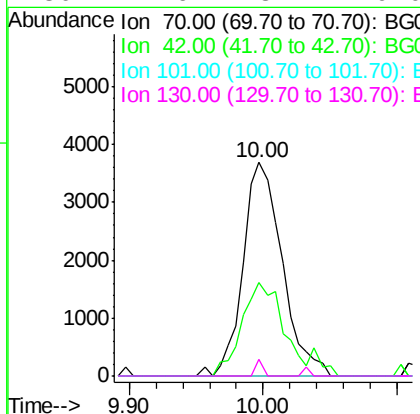
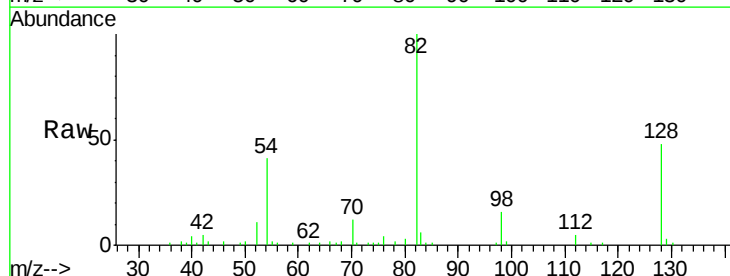
Instrument :
BNA_G
ClientSampleId :
PR-MW-1-121817

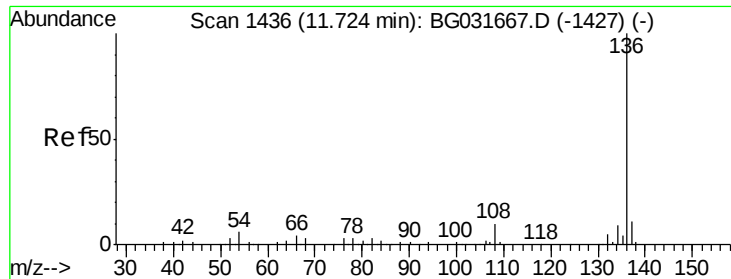
Tot Ion:117 Resp: 8945
Ion Ratio Lower Upper
117 100
119 463.7 76.7 115.1#
201 0.0 95.7 143.5#



#19
n-Nitroso-di-n-propylamine
Concen: 3.54 ng
RT: 10.00 min Scan# 1142
Delta R.T. 0.34 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

Tgt Ion: 70 Resp: 7482
Ion Ratio Lower Upper
70 100
42 43.5 49.1 73.7#
101 0.0 8.5 12.7#
130 7.6 13.4 20.0#

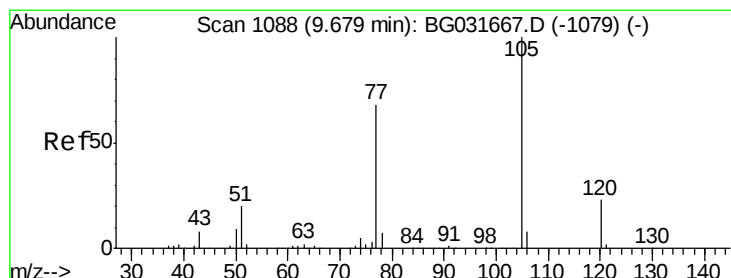
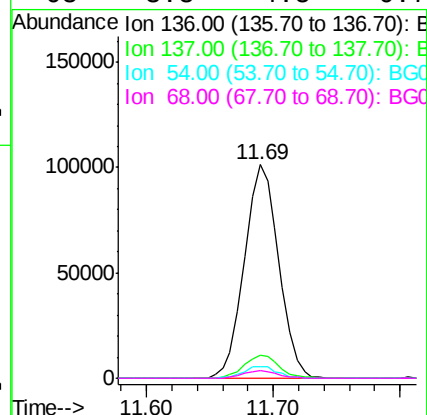
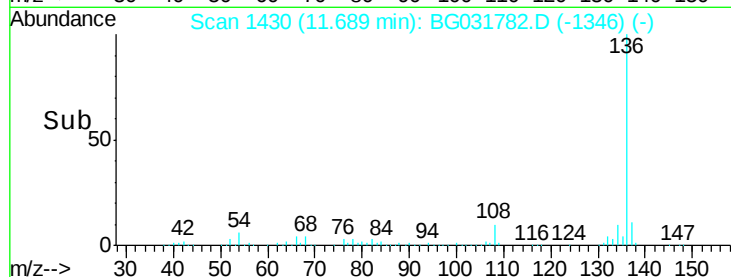
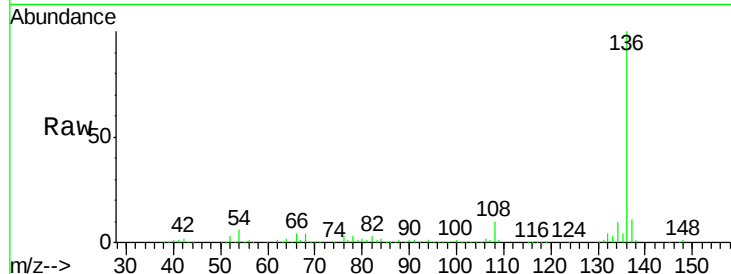




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

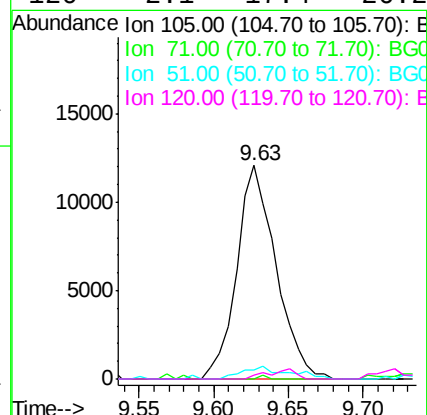
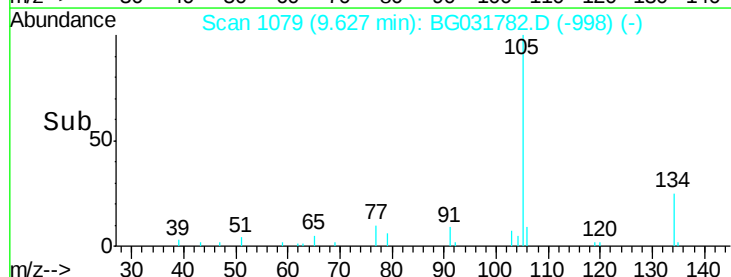
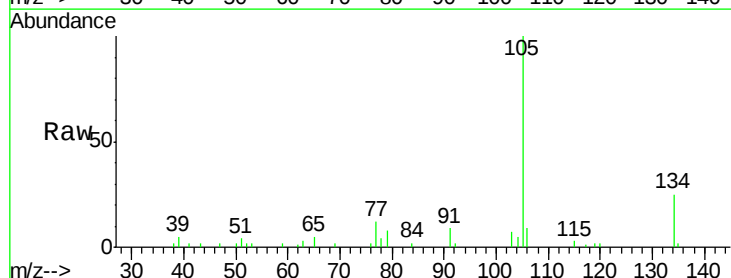
Instrument :
BNA_G
ClientSampleId :
PR-MW-1-121817

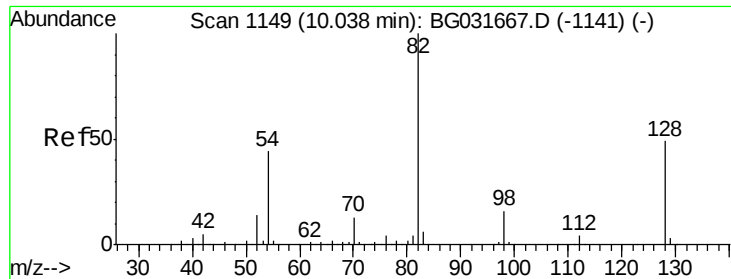
Tot Ion:136	Resp:	190096
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	5.6	10.3 15.5#
68	3.8	4.5 6.7#



#22
Acetophenone
Concen: 4.98 ng
RT: 9.63 min Scan# 1079
Delta R.T. -0.05 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

Tgt Ion:105	Resp:	21998
Ion Ratio	Lower	Upper
105	100	
71	0.0	3.0 4.4#
51	4.3	26.1 39.1#
120	2.1	17.4 26.2#

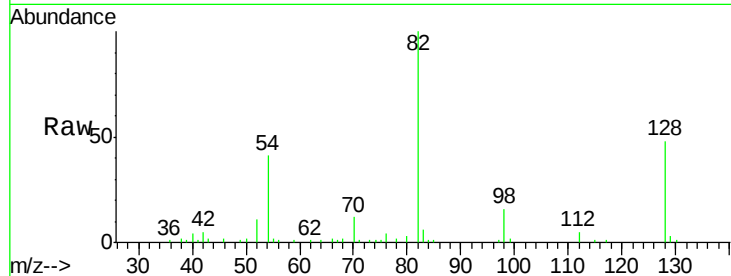




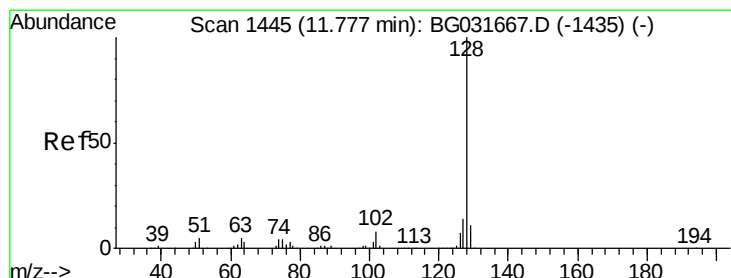
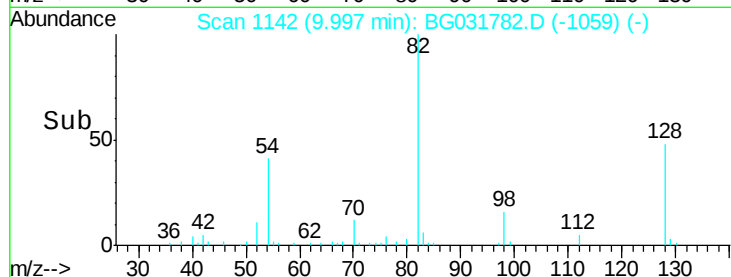
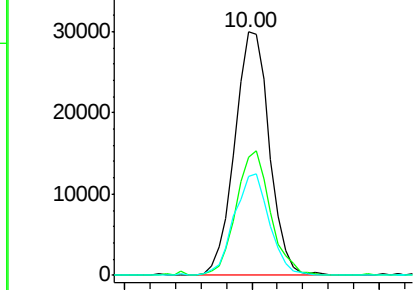
#23
 Nitrobenzene-d5
 Concen: 22.51 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031782.D
 Acq: 27 Dec 2017 4:39

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-1-121817

Tot Ion	82	Resp	56658
Ion Ratio	100	Lower	Upper
128	48.4	29.7	44.5#
54	40.6	43.1	64.7#

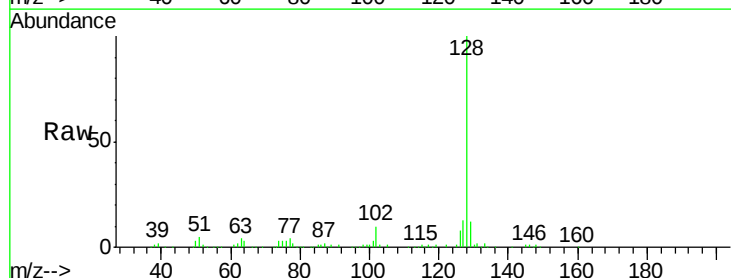


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

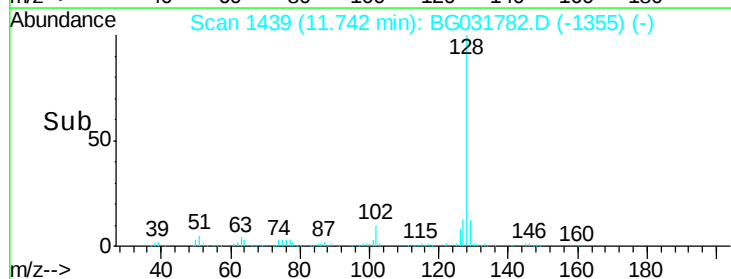
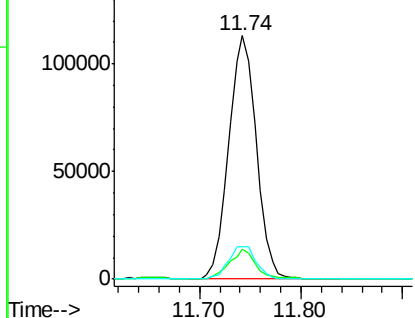


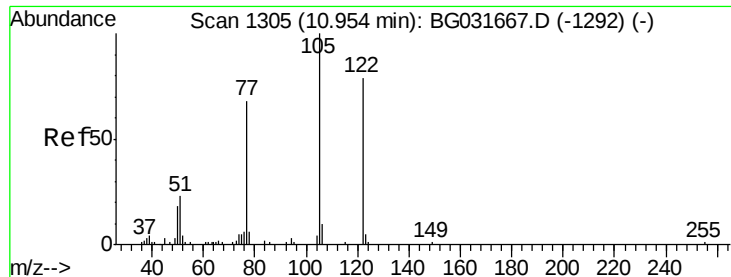
#31
 Naphthalene
 Concen: 22.30 ng
 RT: 11.74 min Scan# 1439
 Delta R.T. -0.03 min
 Lab File: BG031782.D
 Acq: 27 Dec 2017 4:39

Tgt Ion	128	Resp	213939
Ion Ratio	100	Lower	Upper
129	12.3	8.6	12.8
127	13.3	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 8.47 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.11 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Instrument :

BNA_G

ClientSampleId :

PR-MW-1-121817

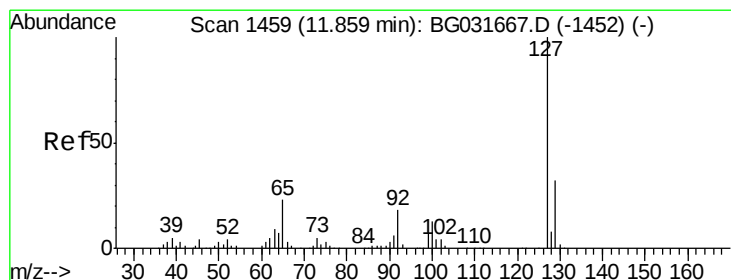
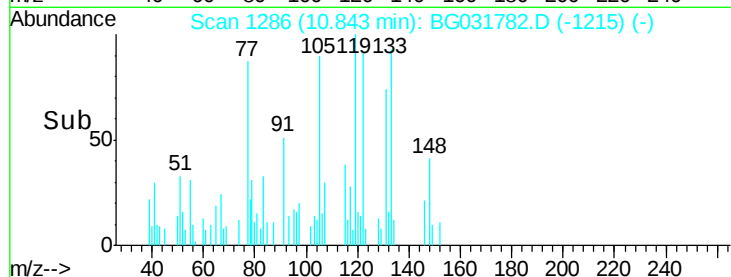
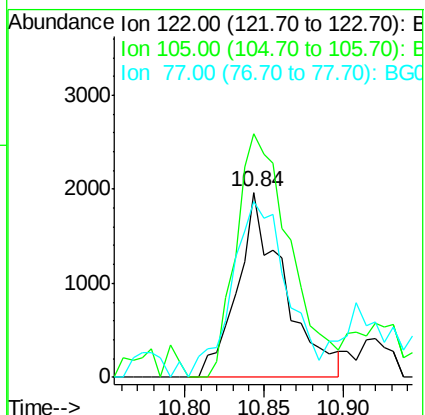
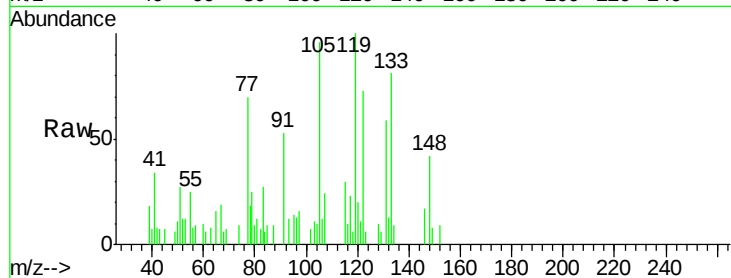
Tot Ion:122 Resp: 4027

Ion Ratio Lower Upper

122 100

105 131.8 123.5 163.5

77 95.2 85.7 125.7



#33

4-Chloroaniline

Concen: 6.93 ng

RT: 11.74 min Scan# 1439

Delta R.T. -0.12 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Tgt Ion:127 Resp: 29581

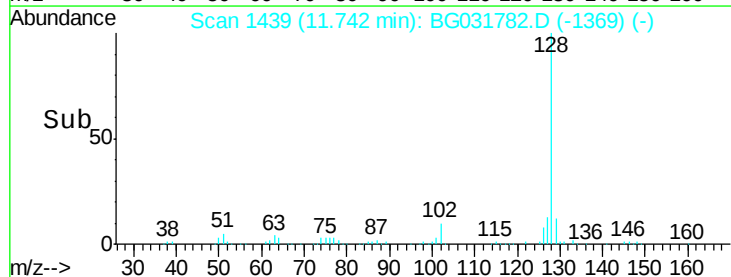
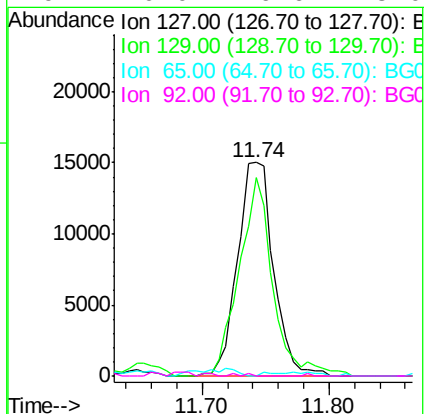
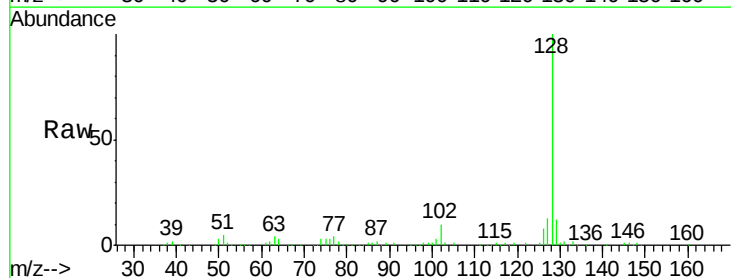
Ion Ratio Lower Upper

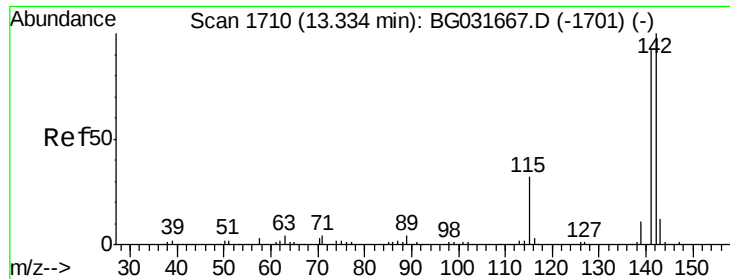
127 100

129 92.8 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

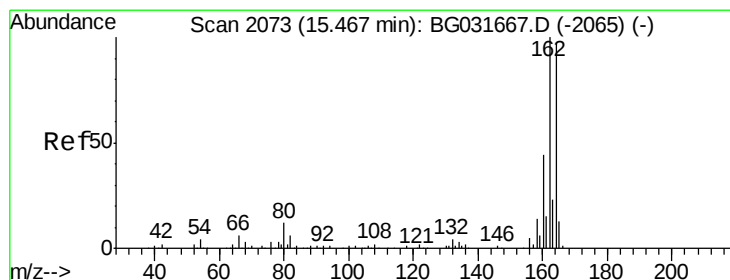
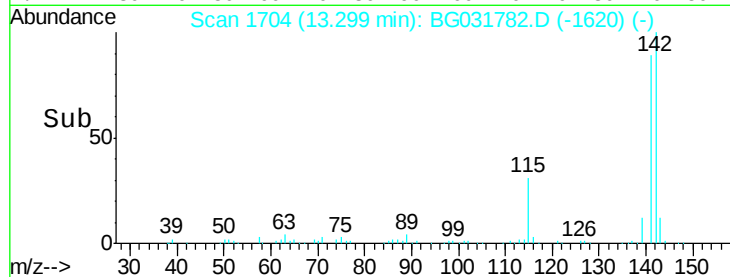
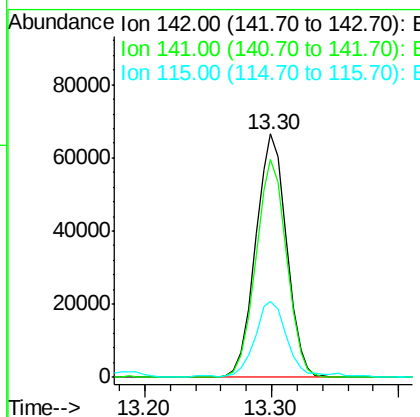
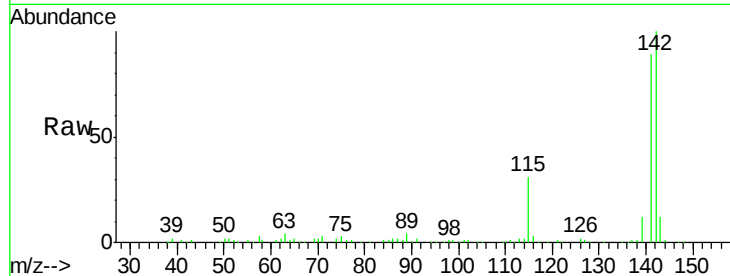




#37
2-Methylnaphthalene
Concen: 14.51 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

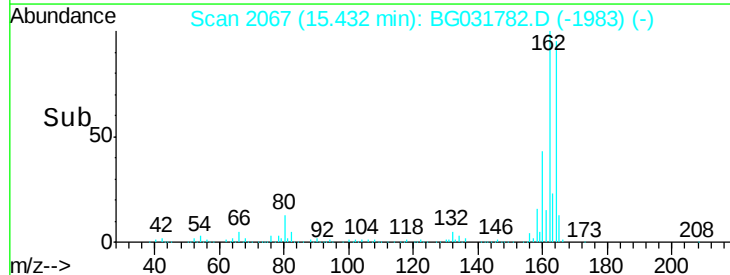
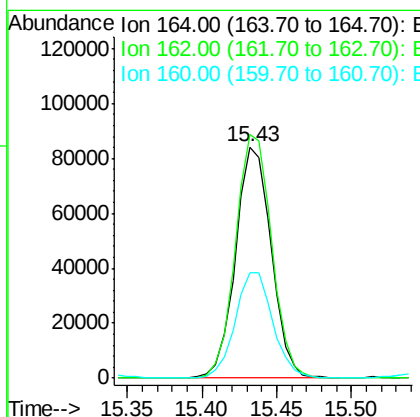
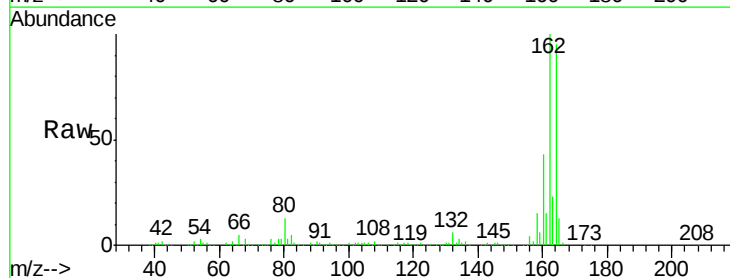
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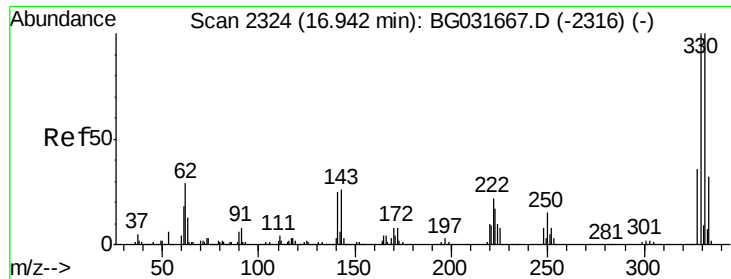
Tot Ion:142 Resp: 112842
Ion Ratio Lower Upper
142 100
141 89.4 67.1 100.7
115 31.2 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.03 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

Tgt Ion:164 Resp: 139792
Ion Ratio Lower Upper
164 100
162 105.4 78.8 118.2
160 45.8 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 36.36 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Instrument :

BNA_G

ClientSampleId :

PR-MW-1-121817

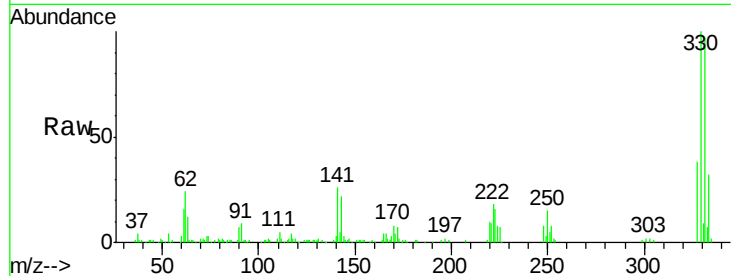
Tot Ion:330 Resp: 77557

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

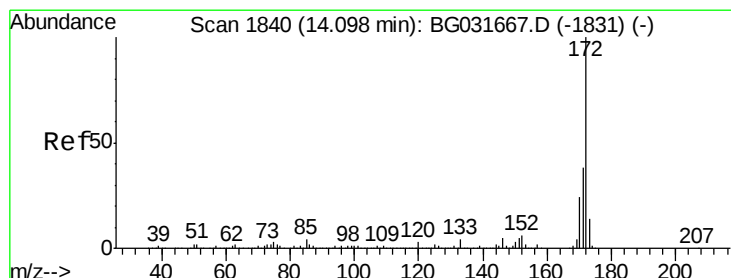
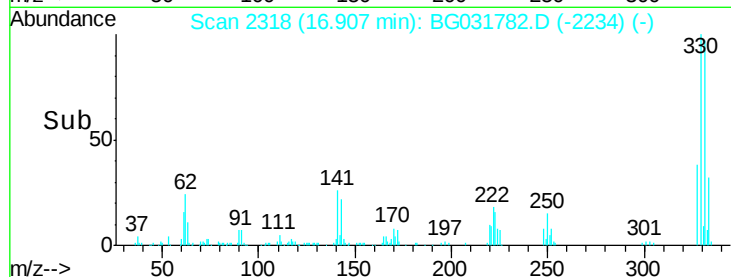
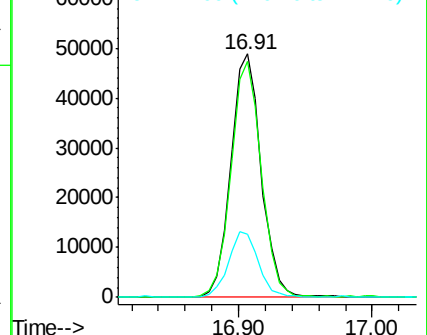
141 26.9 25.2 37.8



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: 21.23 ng

RT: 14.06 min Scan# 1834

Delta R.T. -0.03 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

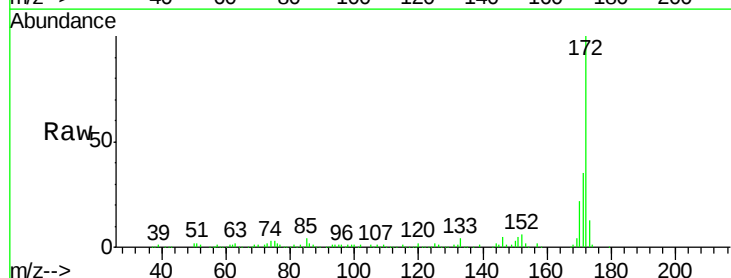
Tgt Ion:172 Resp: 236405

Ion Ratio Lower Upper

172 100

171 35.2 30.0 45.0

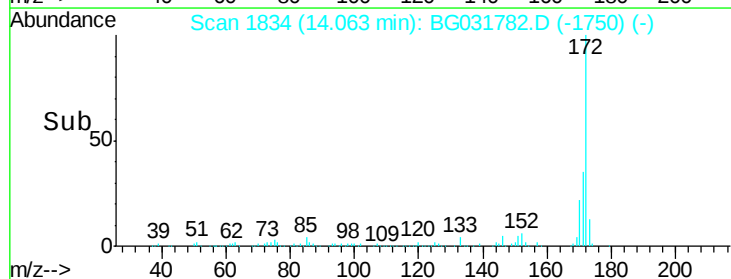
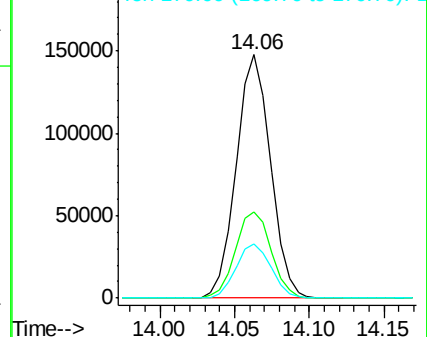
170 22.4 19.5 29.3

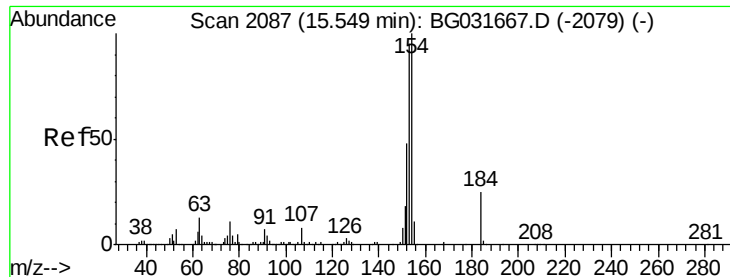


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

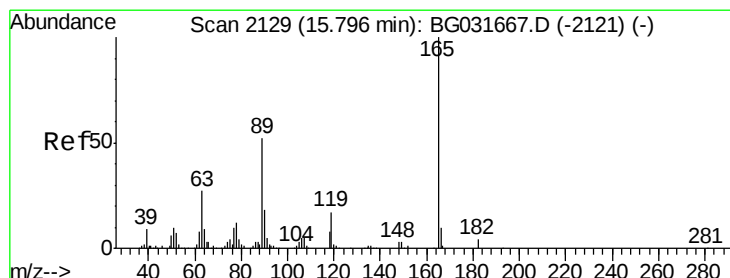
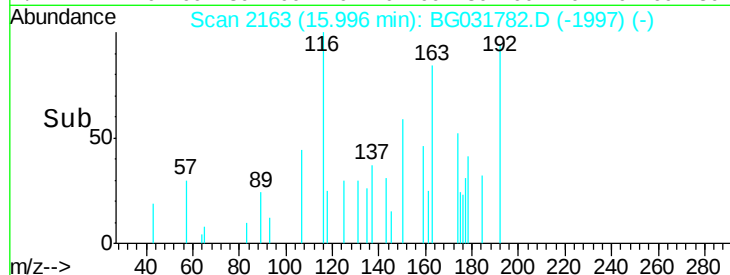
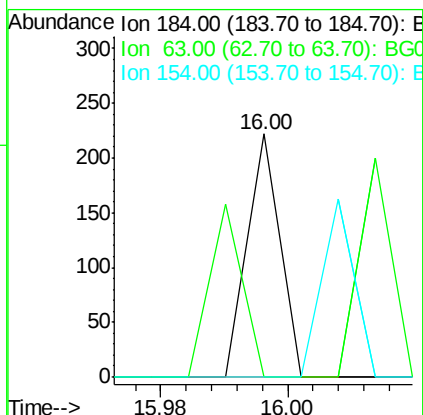
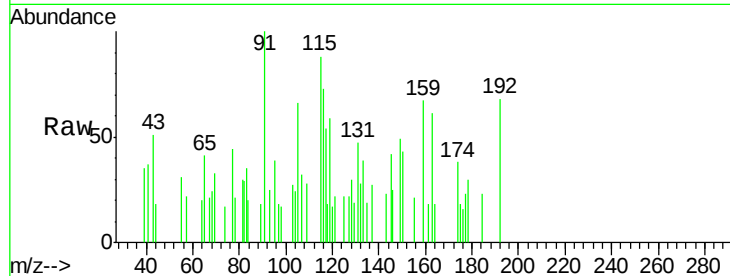




#53
2,4-Dinitrophenol
Concen: 7.71 na
RT: 16.00 min Scan# 2163
Delta R.T. 0.45 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

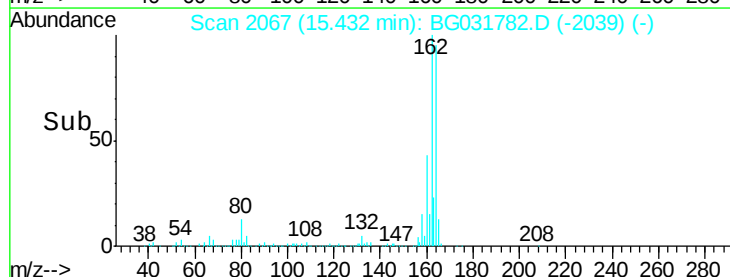
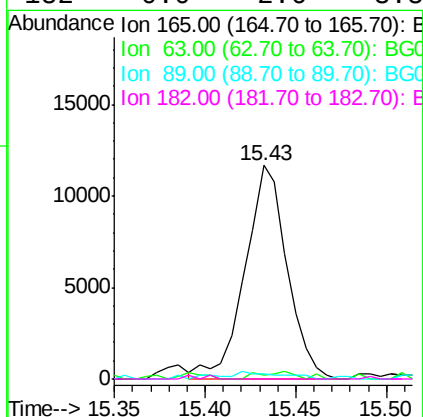
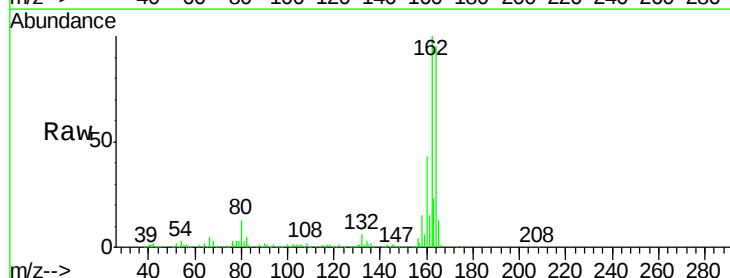
Instrument :
BNA_G
ClientSampleId :
PR-MW-1-121817

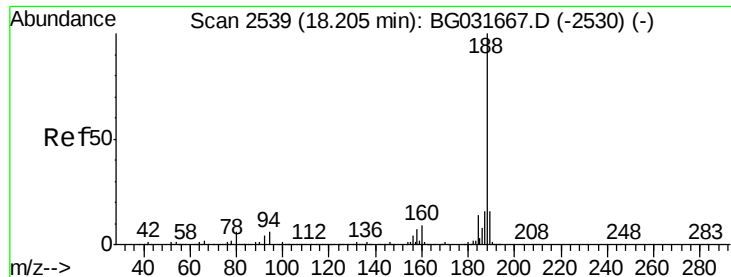
Tot Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

Tgt Ion:165 Resp: 18797
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#

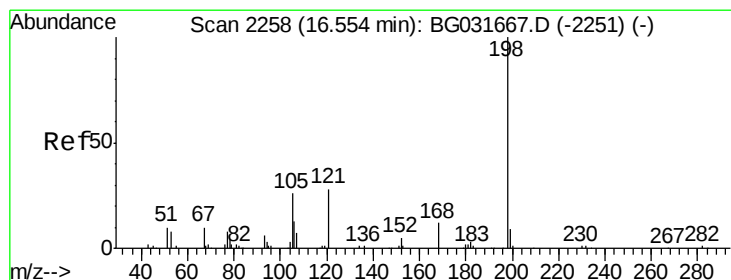
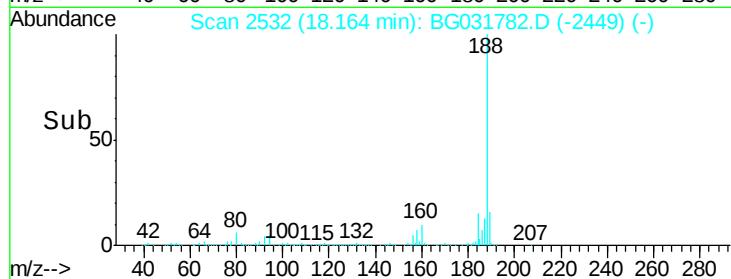
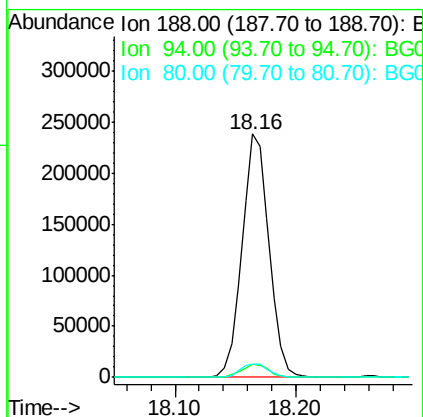
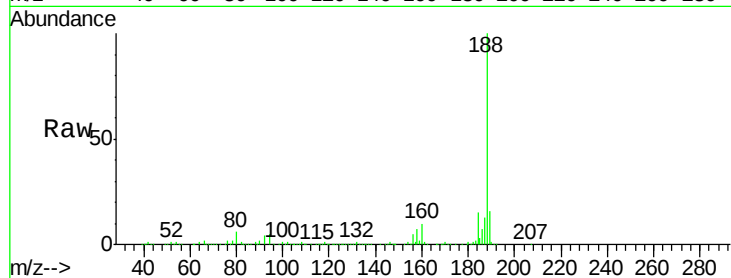




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.16 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

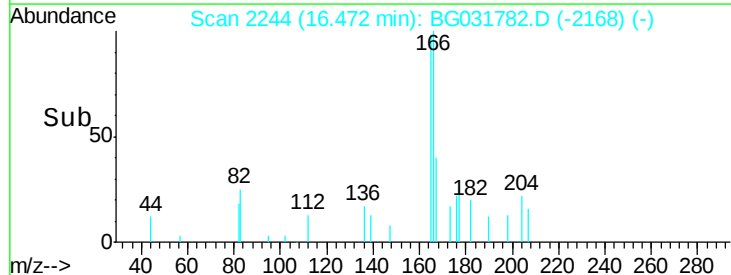
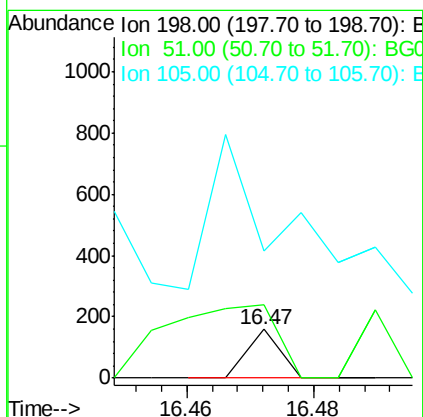
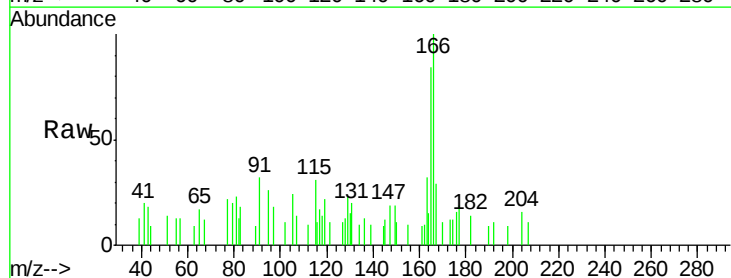
Instrument :
BNA_G
ClientSampleId :
PR-MW-1-121817

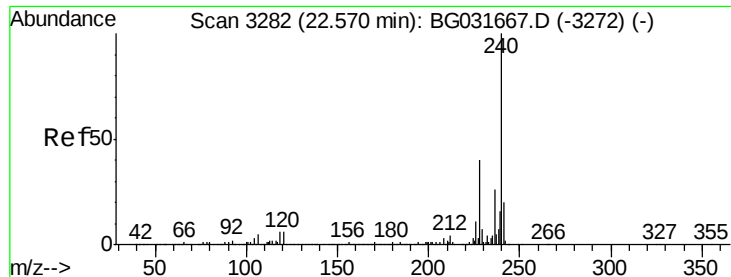
Tot Ion:188 Resp: 369850
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 5.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.33 ng
RT: 16.47 min Scan# 2244
Delta R.T. -0.08 min
Lab File: BG031782.D
Acq: 27 Dec 2017 4:39

Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 152.5 30.6 70.6#
105 263.3 23.8 63.8#

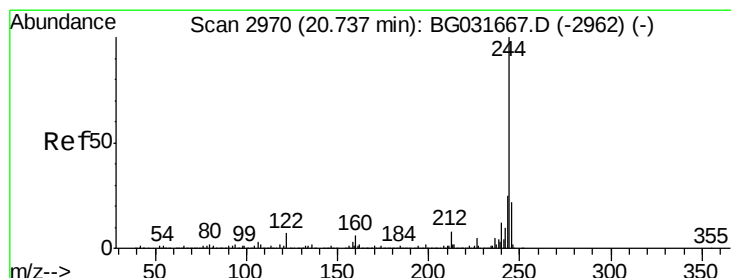
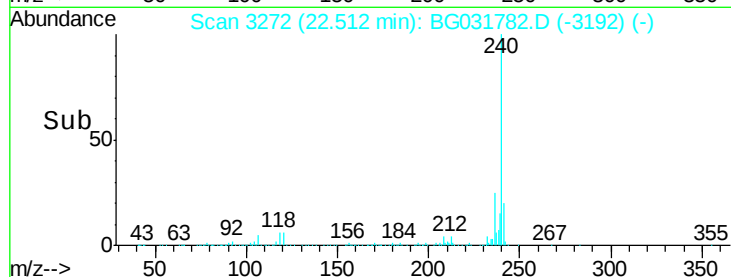
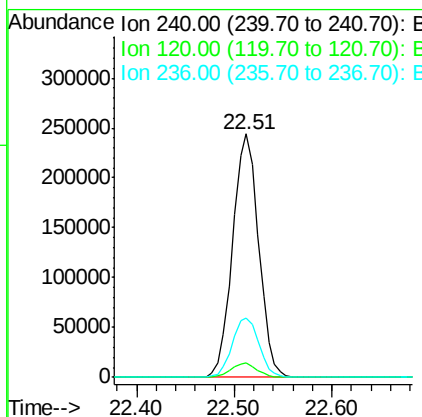
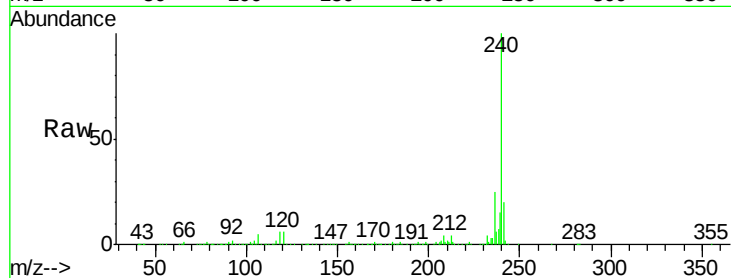




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.51 min Scan# 3272
 Delta R.T. -0.06 min
 Lab File: BG031782.D
 Acq: 27 Dec 2017 4:39

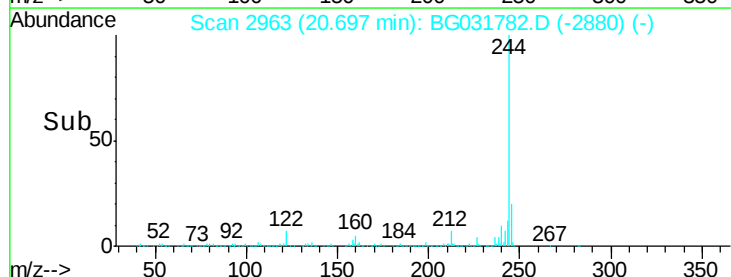
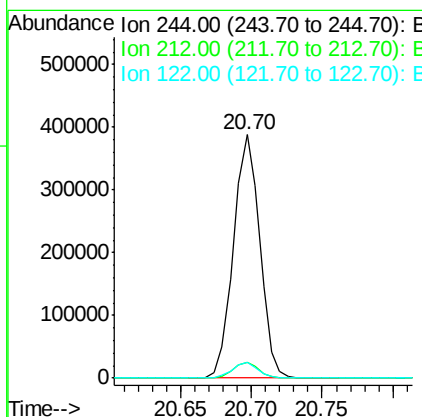
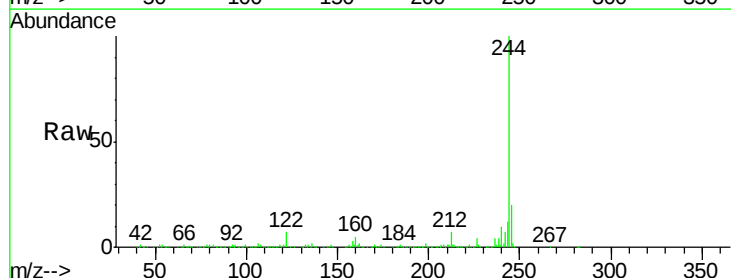
Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-1-121817

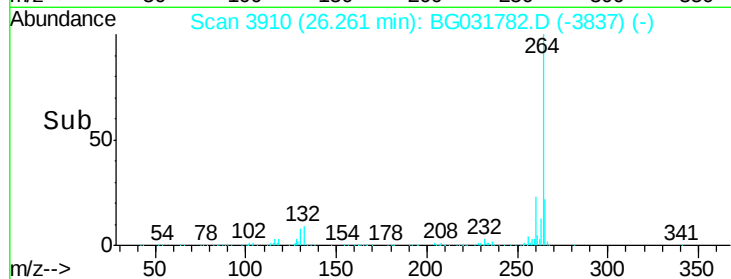
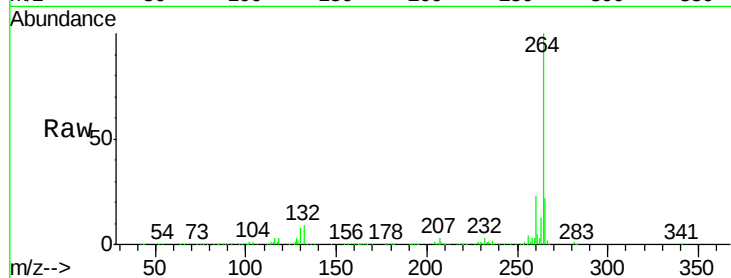
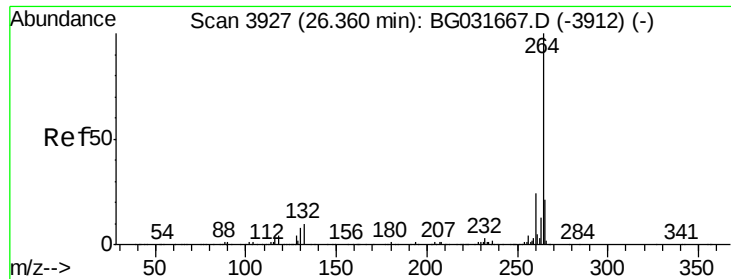
Tot Ion:240 Resp: 453181
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.8 10.2#
 236 24.6 20.9 31.3



#78
 Terphenyl-d14
 Concen: 25.39 ng
 RT: 20.70 min Scan# 2963
 Delta R.T. -0.04 min
 Lab File: BG031782.D
 Acq: 27 Dec 2017 4:39

Tgt Ion:244 Resp: 503625
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 6.6 7.0 10.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.26 min Scan# 3910

Delta R.T. -0.10 min

Lab File: BG031782.D

Acq: 27 Dec 2017 4:39

Instrument :

BNA_G

ClientSampleId :

PR-MW-1-121817

Tot Ion:264 Resp: 493383

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 21.7 17.7 26.5

