

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
 Data File : BG031835.D
 Acq On : 28 Dec 2017 21:19
 Operator : SJ/JU
 Sample : I7083-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 06:29:21 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

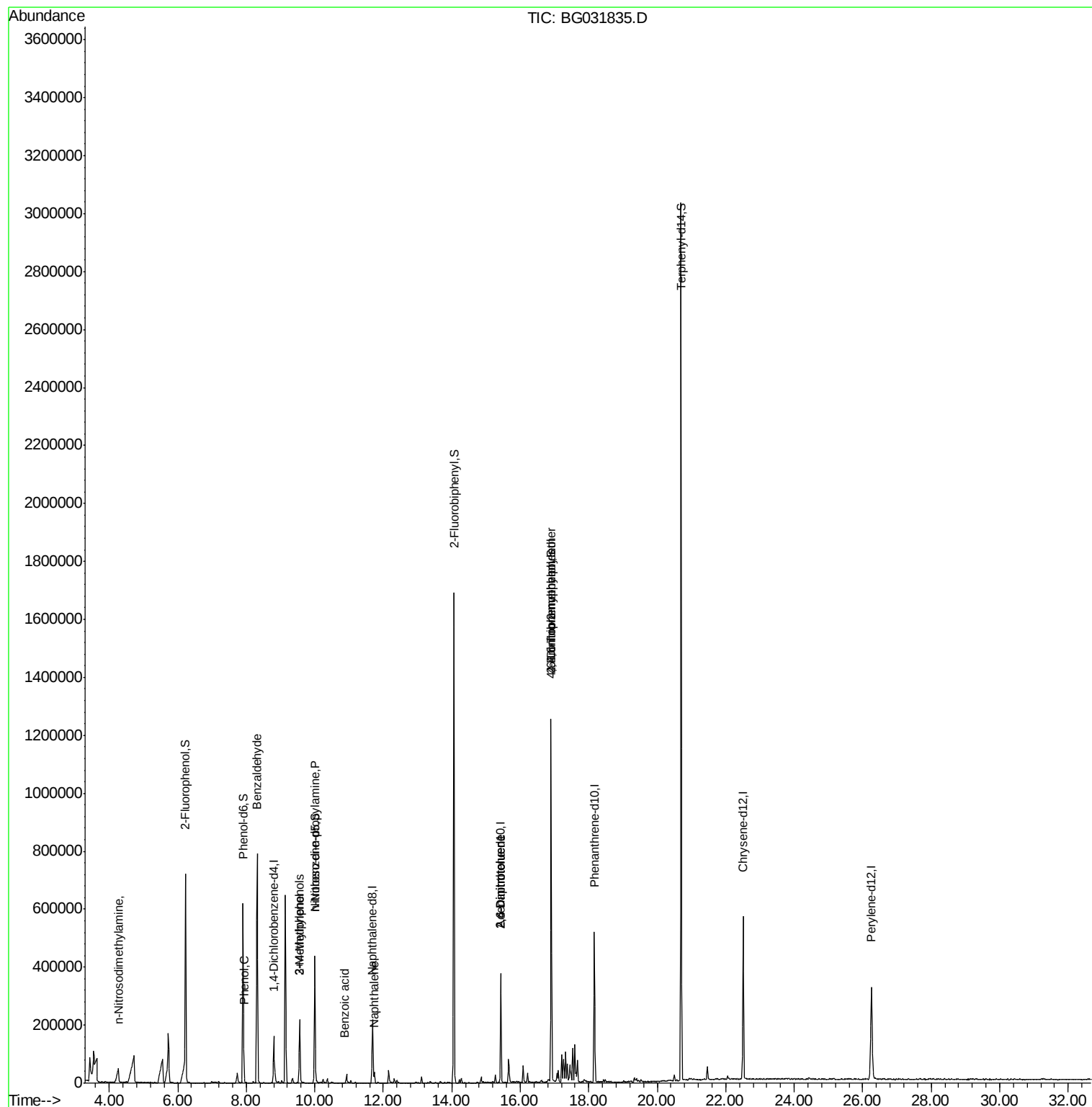
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	55399	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	222491	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	146254	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	356599	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	425984	20.00	ng	-0.06
86) Perylene-d12	26.25	264	450775	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	374484	123.12	ng	-0.02
7) Phenol-d6	7.91	99	433710	109.83	ng	-0.02
23) Nitrobenzene-d5	10.00	82	286999	97.41	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	315136	141.21	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	1017977	87.36	ng	-0.03
78) Terphenyl-d14	20.70	244	1658941	88.97	ng	-0.04
Target Compounds						
4) n-Nitrosodimethylamine	4.27	42	9498	7.810	ng	Qvalue # 9
9) Benzaldehyde	8.31	77	9601	4.038	ng	# 96
10) Phenol	7.94	94	17837	4.474	ng	# 97
17) 2-Methylphenol	9.56	107	118029	41.375	ng	# 72
19) n-Nitroso-di-n-propylamine	10.00	70	38154	14.147	ng	# 70
20) 3+4-Methylphenols	9.56	107	118029	29.111	ng	# 94
31) Naphthalene	11.74	128	36849	3.282	ng	# 98
32) Benzoic acid	10.86	122	90	6.729	ng	# 29
50) 2,6-Dinitrotoluene	15.43	165	19438	8.201	ng	# 21
56) 2,4-Dinitrotoluene	15.43	165	19438	6.378	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.91	198	880	8.725	ng	# 63
66) 4-Bromophenyl-phenylether	16.91	248	25856	5.014	ng	# 1

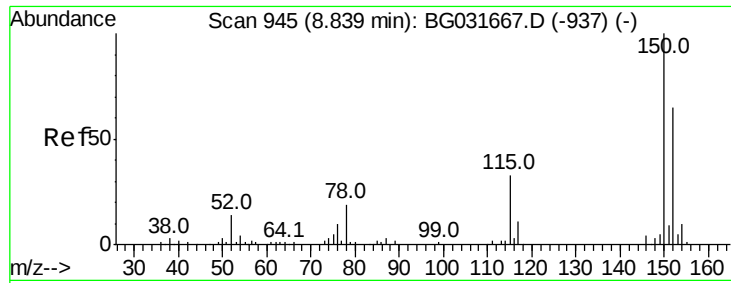
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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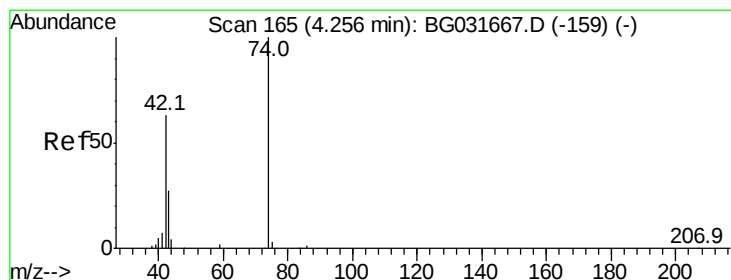
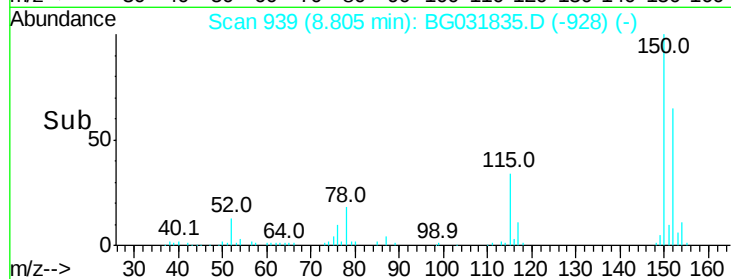
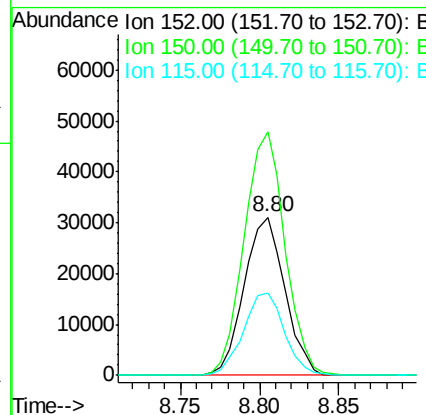
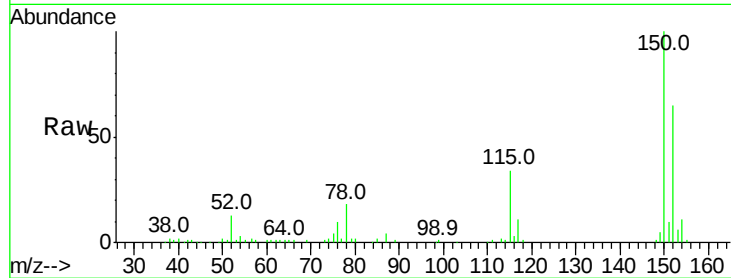


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Instrument :
BNA_G
ClientSampleId :

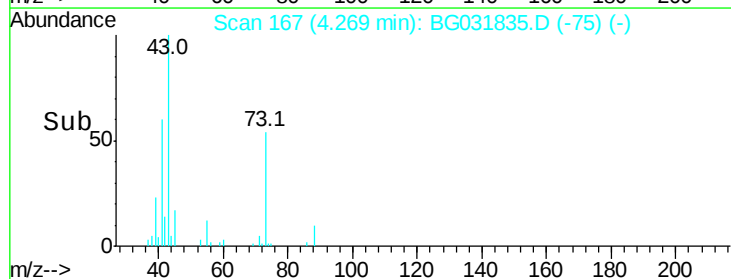
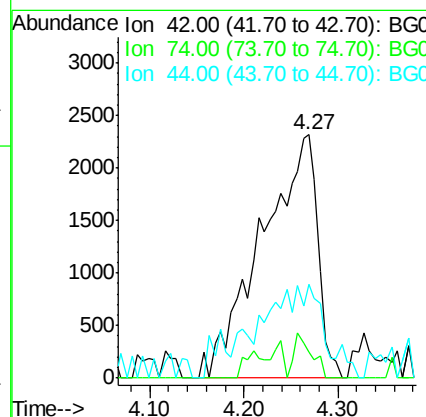
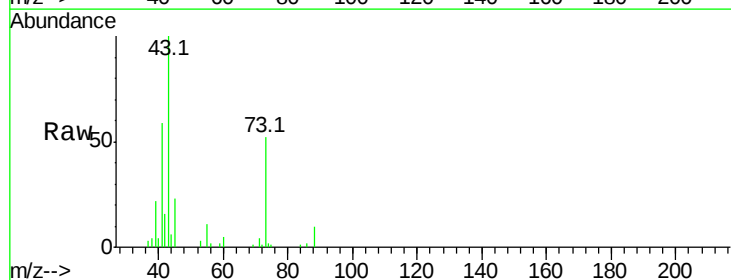
Tot Ion:152 Resp: 55399
Ion Ratio Lower Upper
152 100
150 153.7 126.6 189.8
115 51.9 53.0 79.4#

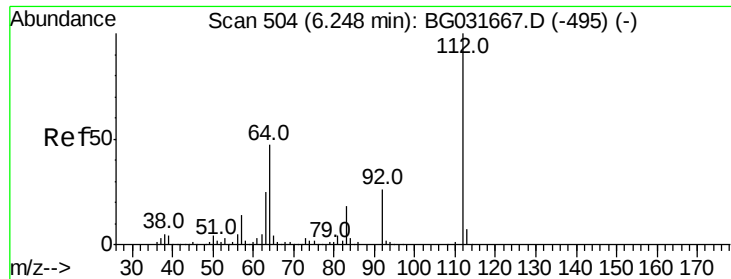


#4

n-Nitrosodimethylamine
Concen: 7.810 ng
RT: 4.27 min Scan# 167
Delta R.T. 0.01 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Tgt Ion: 42 Resp: 9498
Ion Ratio Lower Upper
42 100
74 10.6 102.5 153.7#
44 38.4 18.9 28.3#





#5

2-Fluorophenol

Concen: 123.121 ng

RT: 6.23 min Scan# 501

Delta R.T. -0.02 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampled :

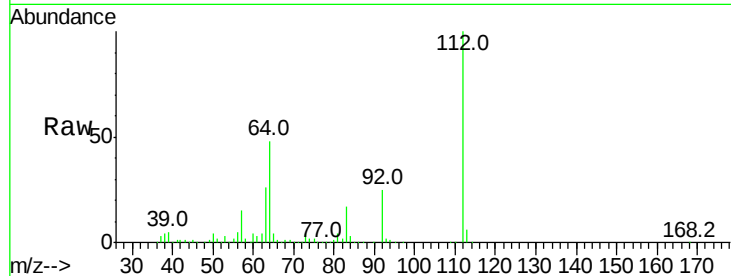
Tot Ion:112 Resp: 374484

Ion Ratio Lower Upper

112 100

64 48.2 56.3 84.5#

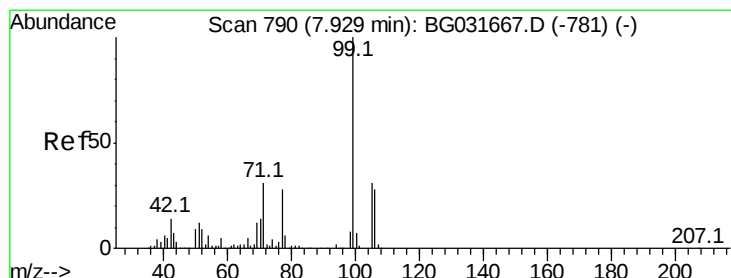
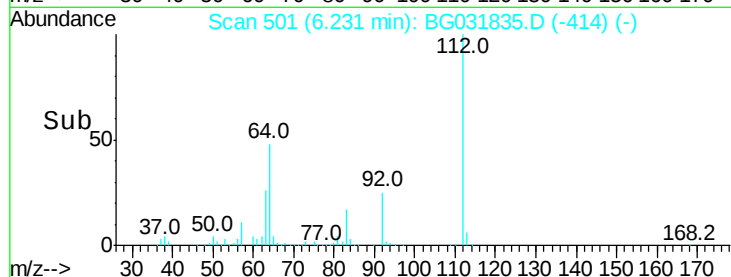
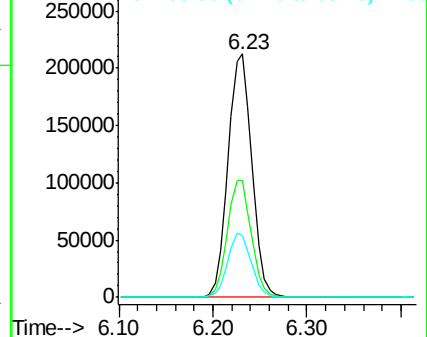
63 25.6 30.1 45.1#



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: 109.828 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

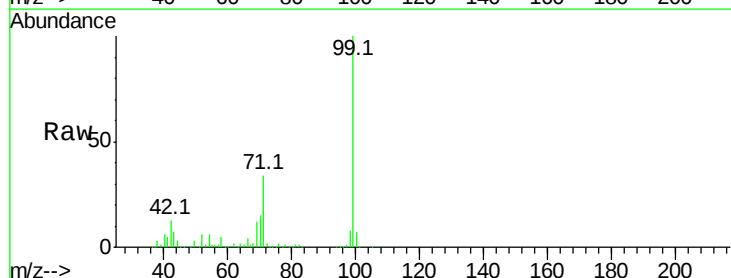
Tgt Ion: 99 Resp: 433710

Ion Ratio Lower Upper

99 100

42 13.1 14.1 21.1#

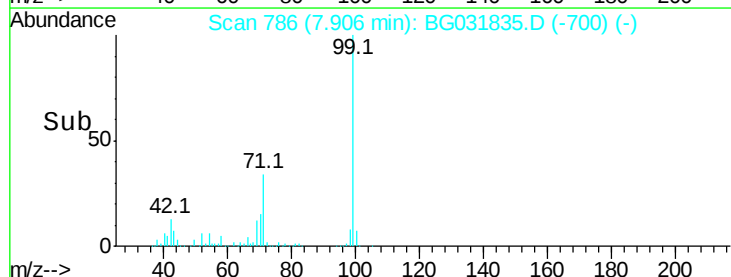
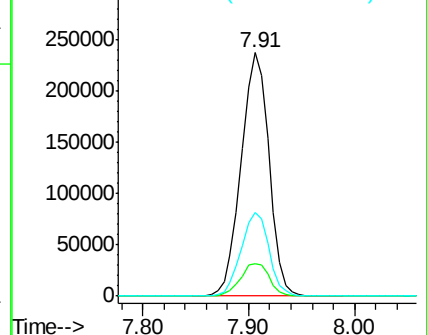
71 34.4 26.1 39.1

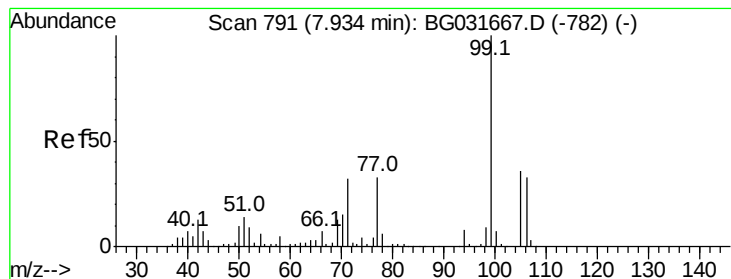


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 4.038 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampleId :

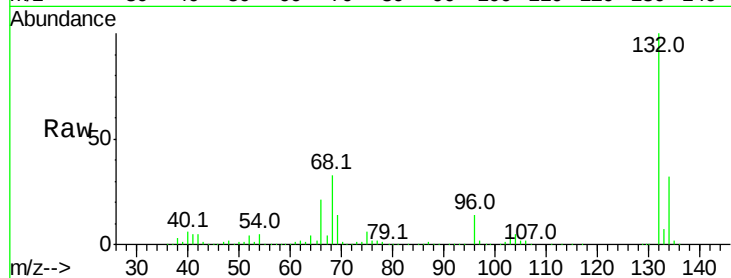
Tot Ion: 77 Resp: 9601

Ion Ratio Lower Upper

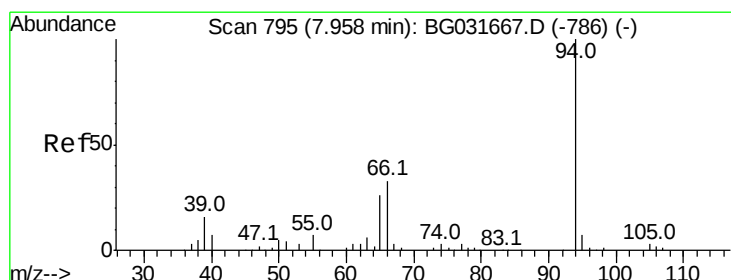
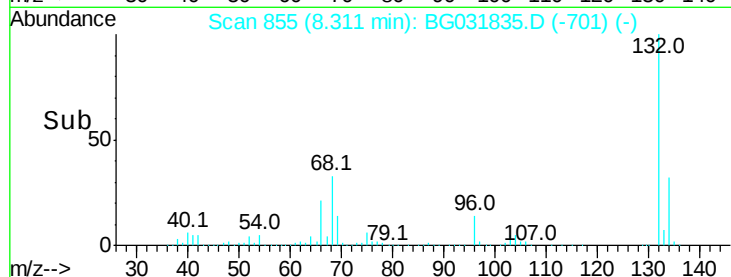
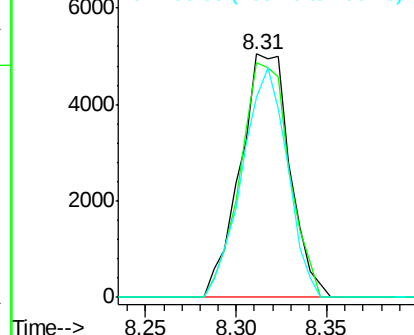
77 100

105 96.4 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: 4.474 ng

RT: 7.94 min Scan# 791

Delta R.T. -0.02 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

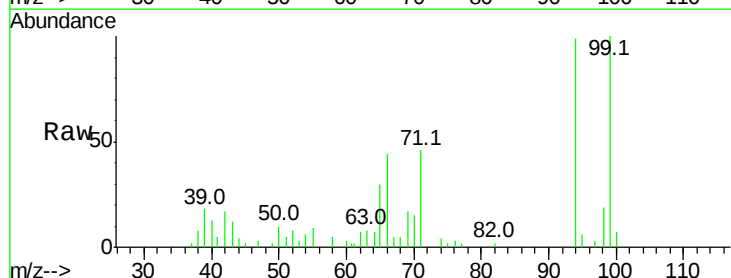
Tgt Ion: 94 Resp: 17837

Ion Ratio Lower Upper

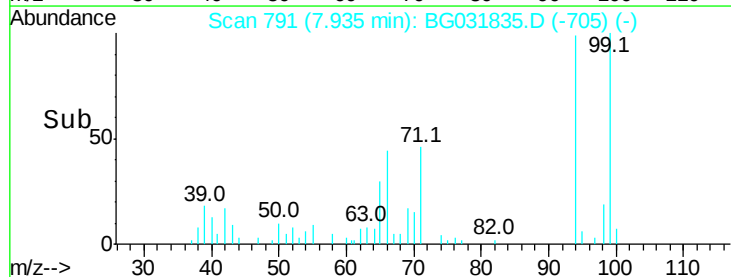
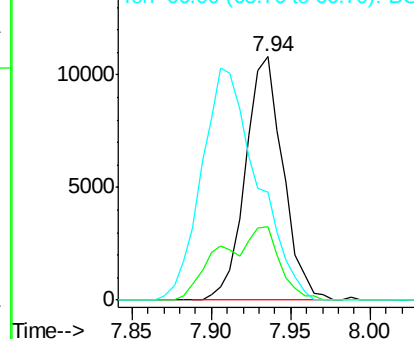
94 100

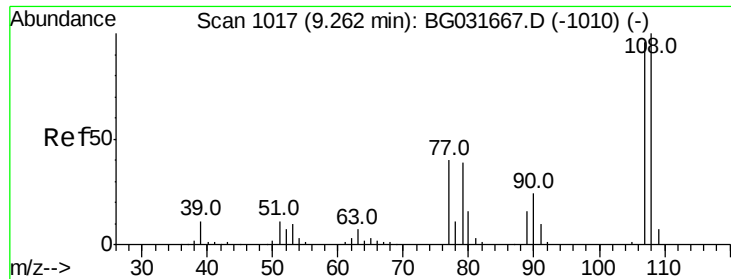
65 30.2 11.9 51.9

66 44.5 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

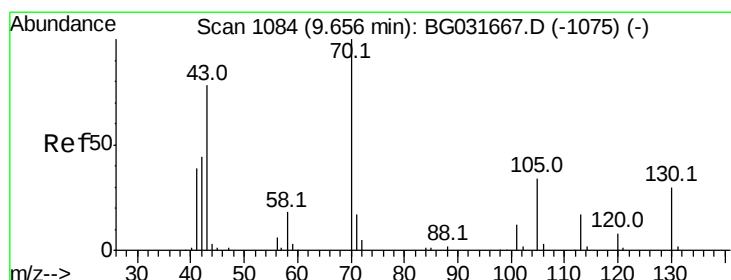
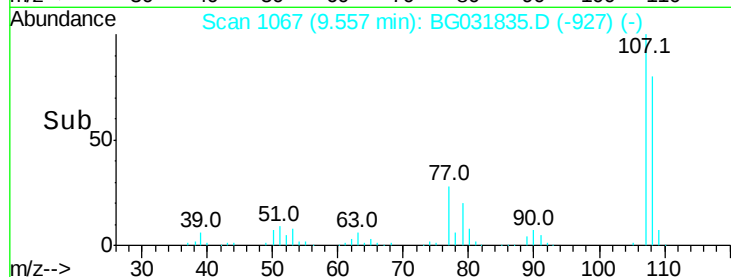
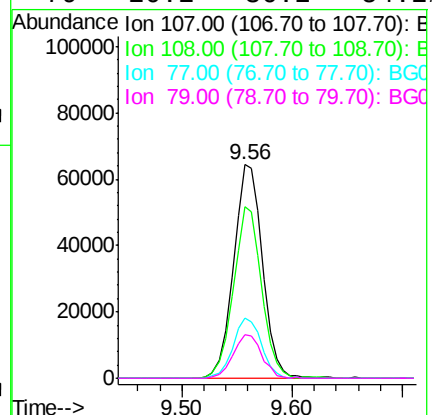
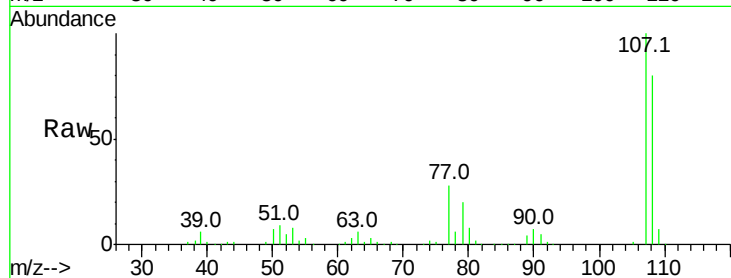




#17
2-Methylphenol
Concen: 41.375 ng
RT: 9.56 min Scan# 1067
Delta R.T. 0.29 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

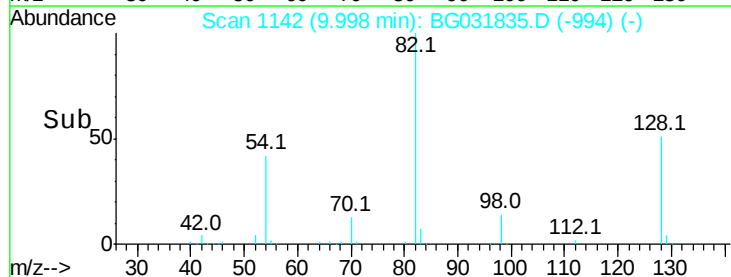
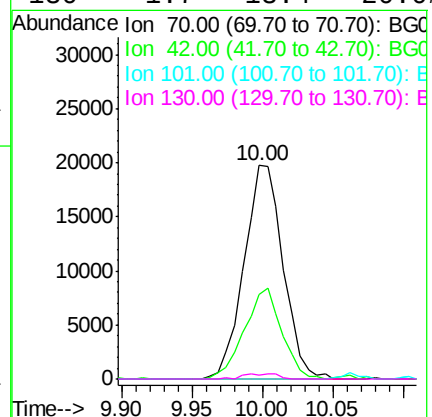
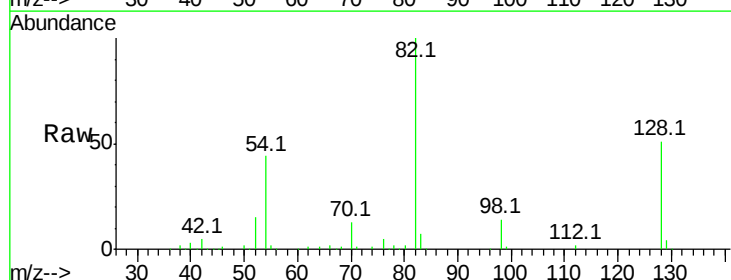
Instrument :
BNA_G
ClientSampleId :

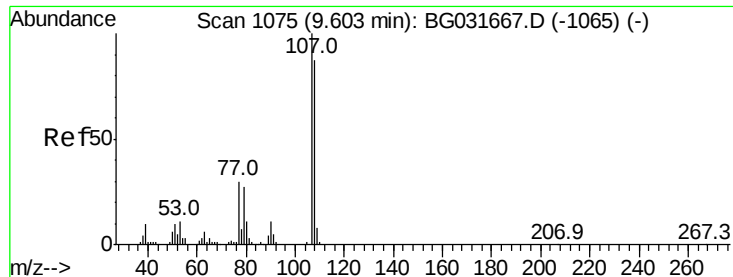
Tot Ion	Ratio	Lower	Upper
107	100		
108	80.3	83.9	125.9#
77	28.4	37.2	55.8#
79	20.2	36.2	54.2#



#19
n-Nitroso-di-n-propylamine
Concen: 14.147 ng
RT: 10.00 min Scan# 1142
Delta R.T. 0.34 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.6	49.1	73.7#
101	0.0	8.5	12.7#
130	1.7	13.4	20.0#

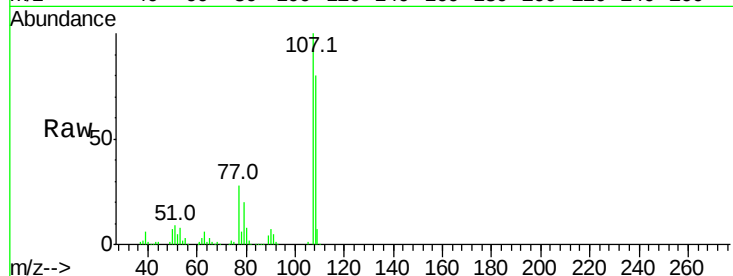




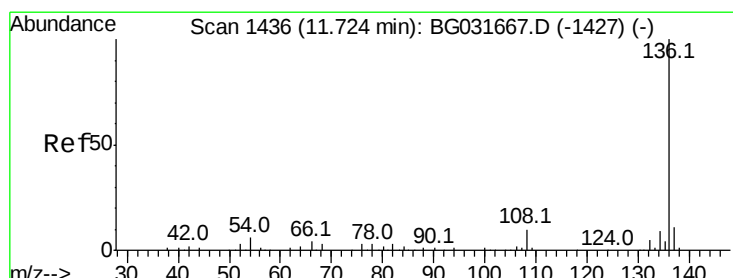
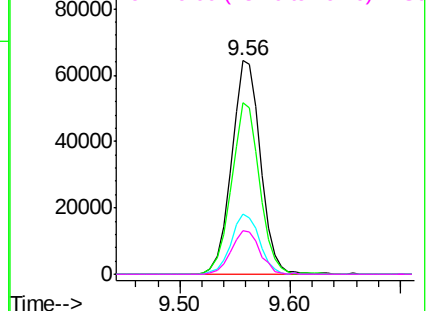
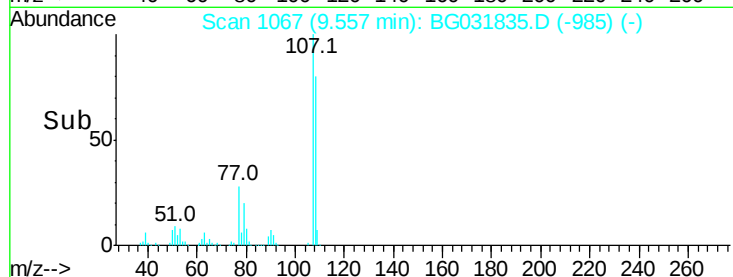
#20
3+4-Methylphenols
Concen: 29.111 ng
RT: 9.56 min Scan# 1067
Delta R.T. -0.05 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107	Resp:	118029
Ion Ratio	Lower	Upper
107	100	
108	80.3	61.6 101.6
77	28.4	13.9 53.9
79	20.2	8.8 48.8

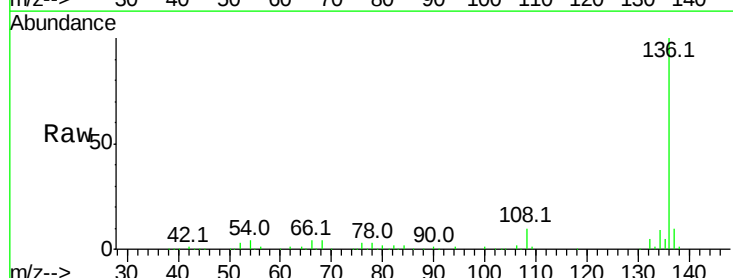


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

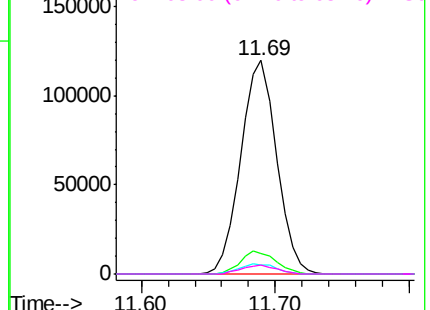
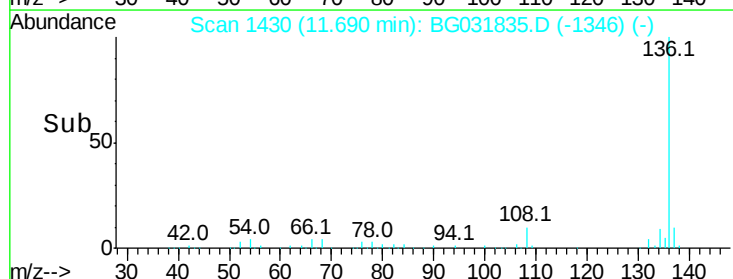


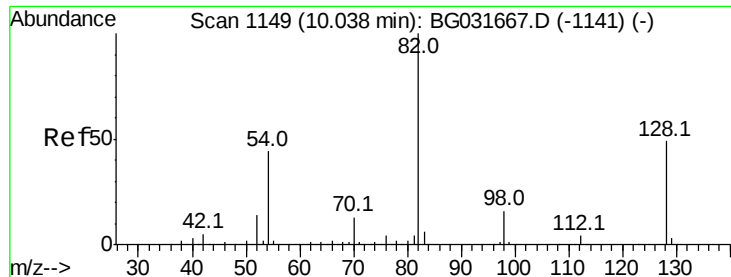
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Tgt Ion:136	Resp:	222491
Ion Ratio	Lower	Upper
136	100	
137	9.8	9.2 13.8
54	4.3	10.3 15.5#
68	4.1	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): BG
Ion 68.00 (67.70 to 68.70): BG





#23

Nitrobenzene-d5

Concen: 97.406 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampled :

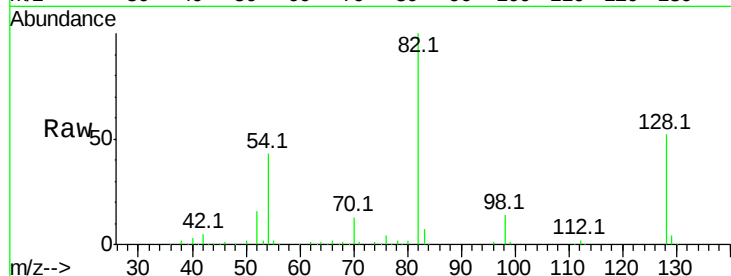
Tot Ion: 82 Resp: 286999

Ion Ratio Lower Upper

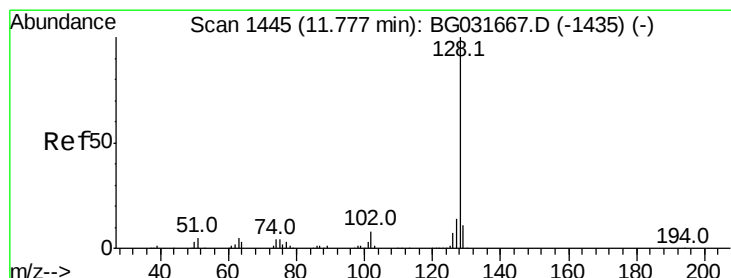
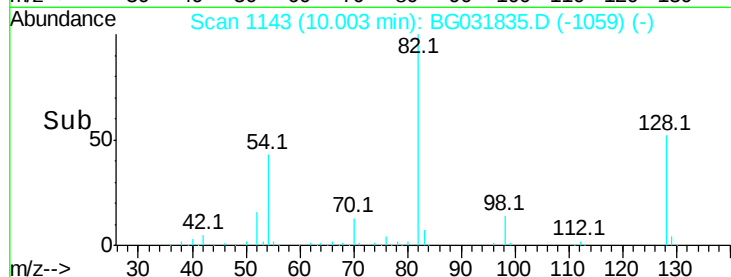
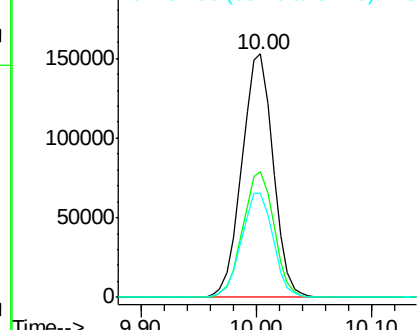
82 100

128 51.7 29.7 44.5#

54 42.8 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: 3.282 ng

RT: 11.74 min Scan# 1439

Delta R.T. -0.03 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

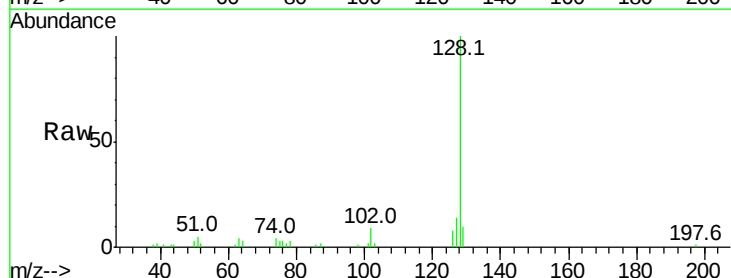
Tgt Ion:128 Resp: 36849

Ion Ratio Lower Upper

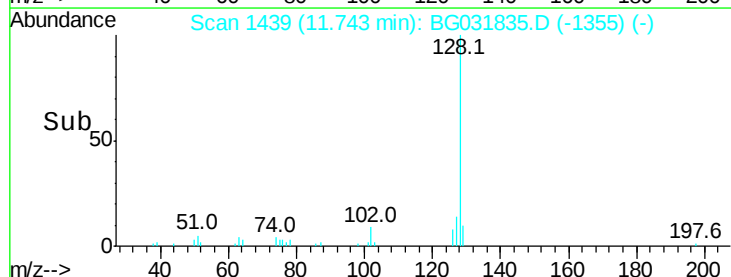
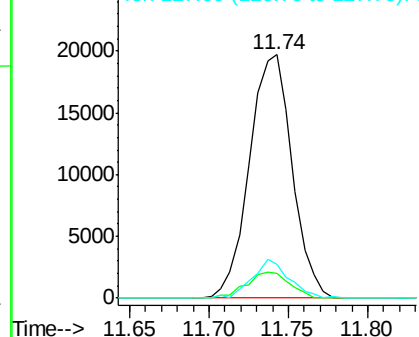
128 100

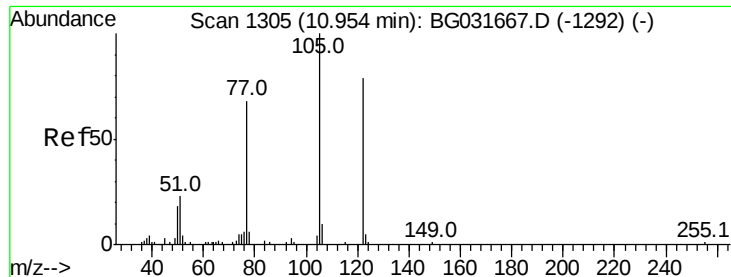
129 10.0 8.6 12.8

127 13.7 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: 6.729 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.09 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampleId :

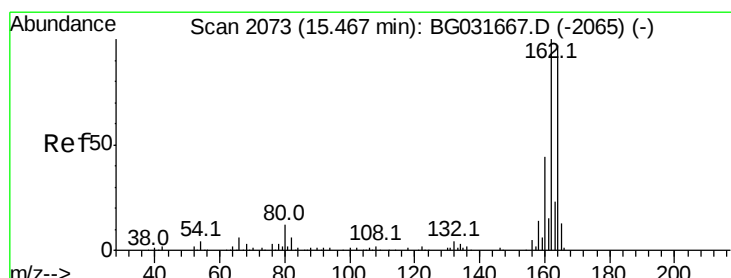
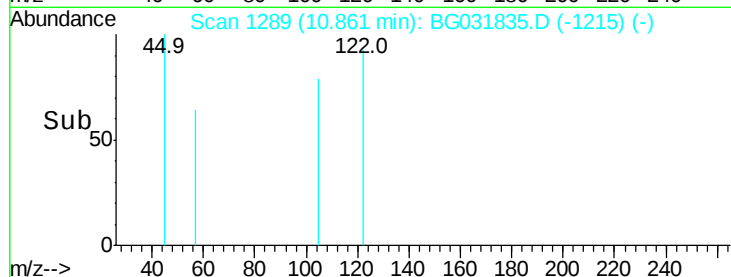
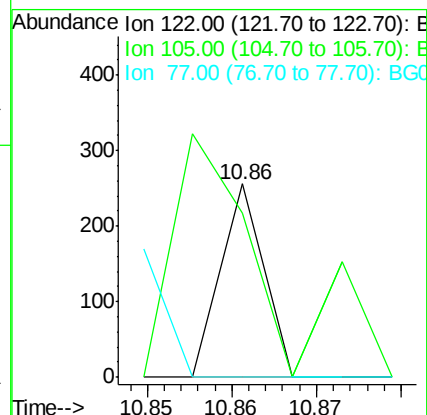
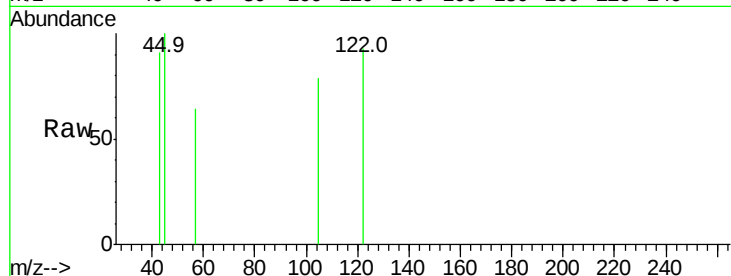
Tot Ion:122 Resp: 90

Ion Ratio Lower Upper

122 100

105 84.8 123.5 163.5#

77 0.0 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: BG031835.D

Acq: 28 Dec 2017 21:19

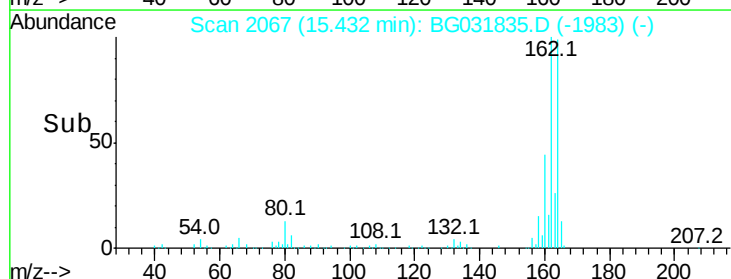
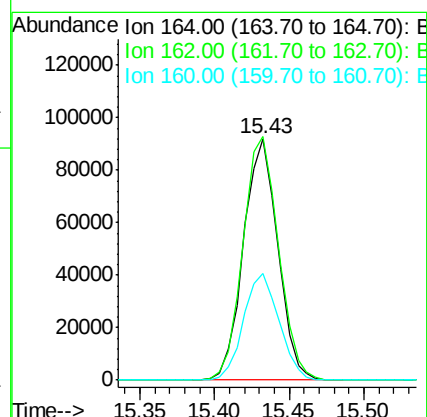
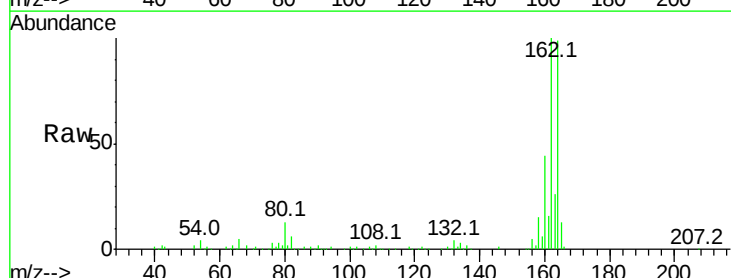
Tgt Ion:164 Resp: 146254

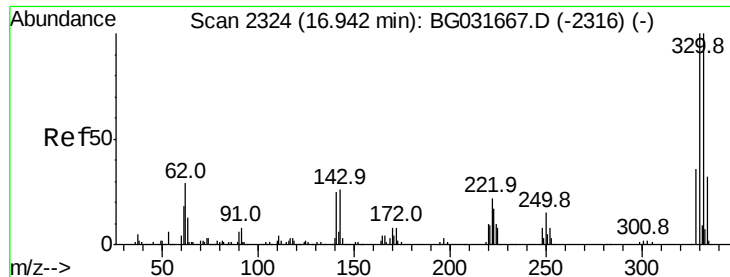
Ion Ratio Lower Upper

164 100

162 100.8 78.8 118.2

160 44.3 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 141.213 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampleId :

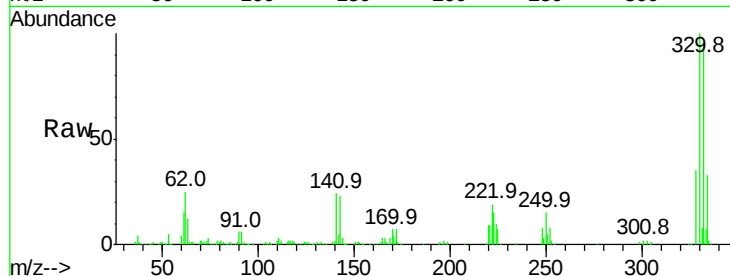
Tot Ion:330 Resp: 315136

Ion Ratio Lower Upper

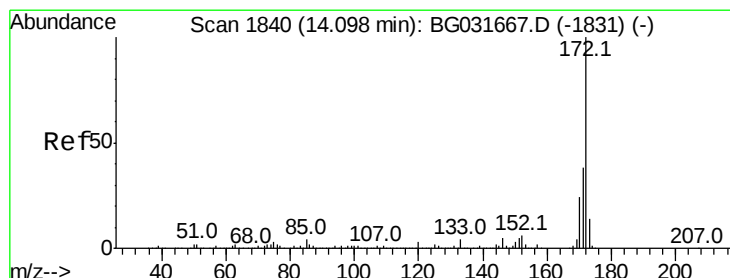
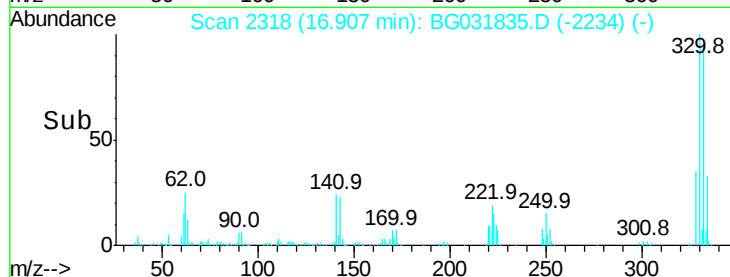
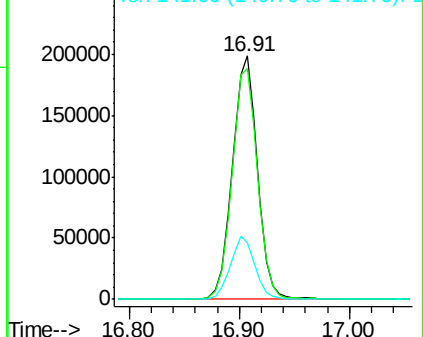
330 100

332 96.9 77.0 115.6

141 25.4 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: 87.362 ng

RT: 14.06 min Scan# 1834

Delta R.T. -0.03 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

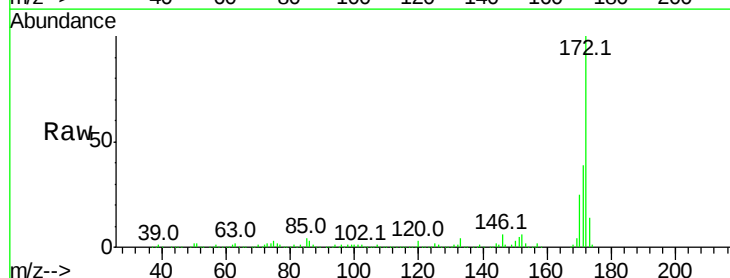
Tgt Ion:172 Resp: 1017977

Ion Ratio Lower Upper

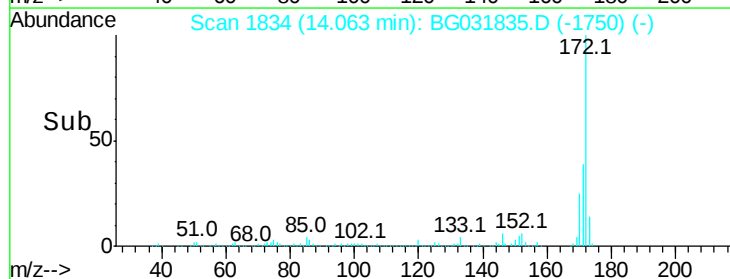
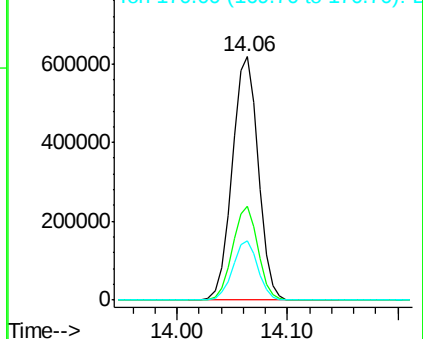
172 100

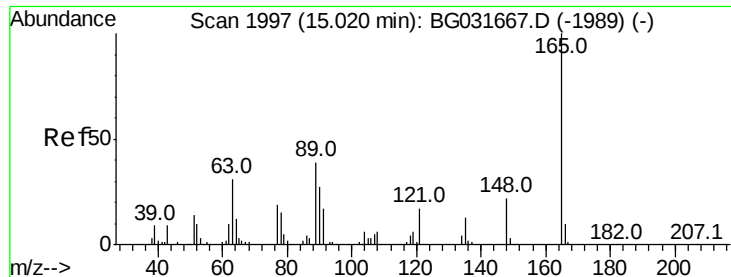
171 38.6 30.0 45.0

170 24.5 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

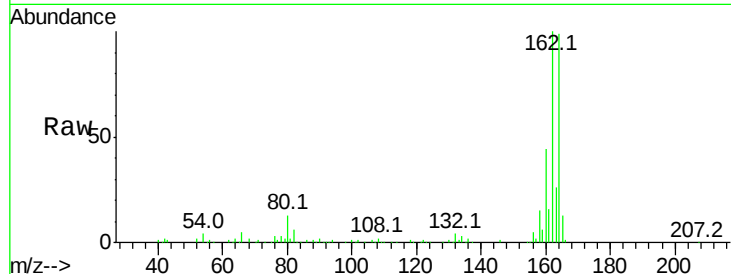




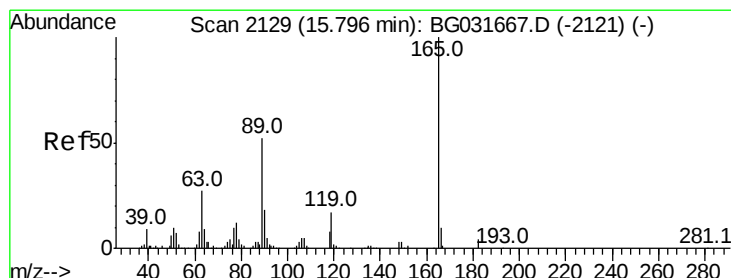
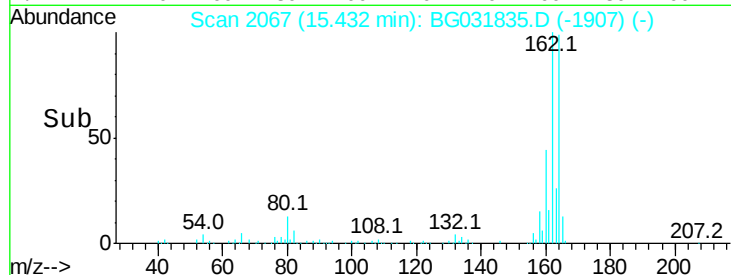
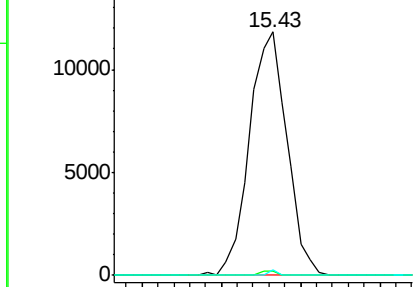
#50
2,6-Dinitrotoluene
Concen: 8.201 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	52.7	79.1#
89	2.3	49.2	73.8#

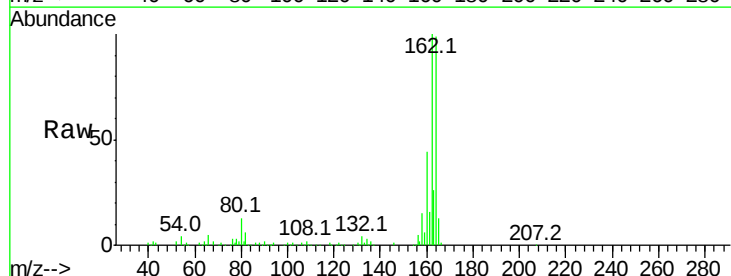


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

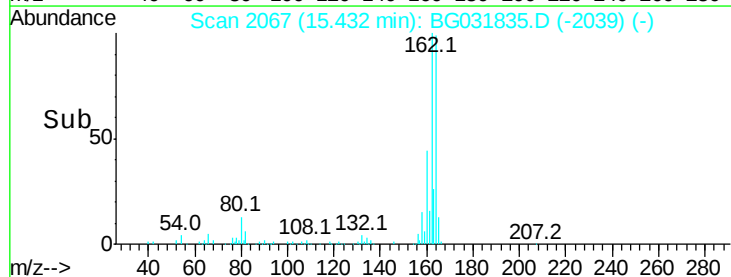
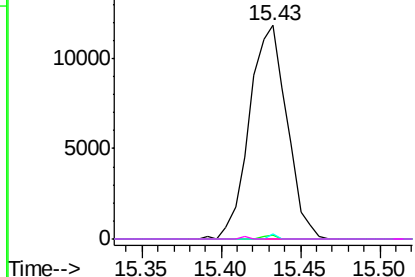


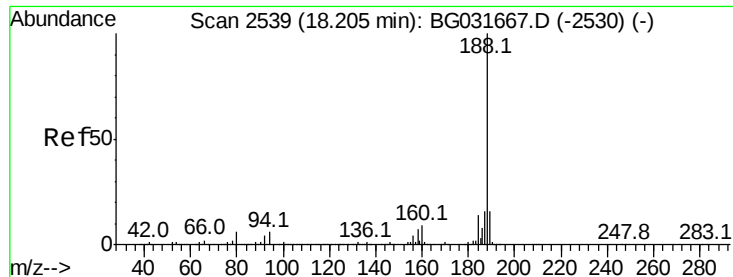
#56
2,4-Dinitrotoluene
Concen: 6.378 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031835.D
Acq: 28 Dec 2017 21:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampleId :

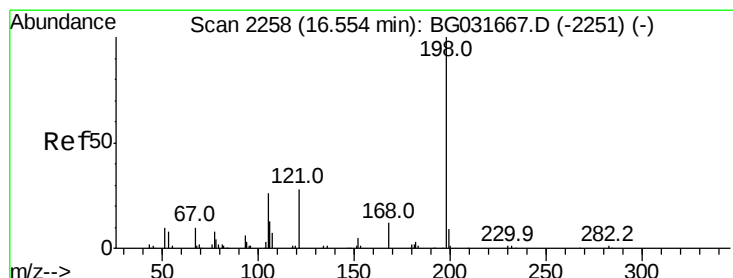
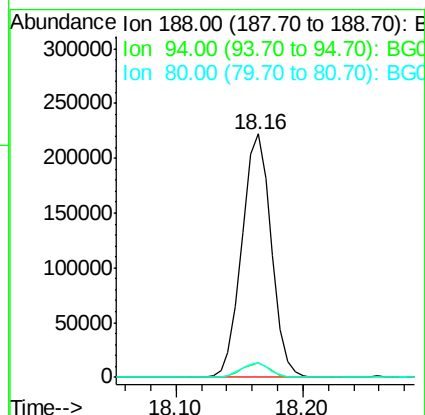
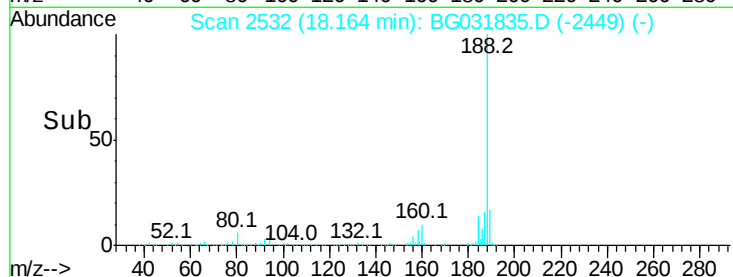
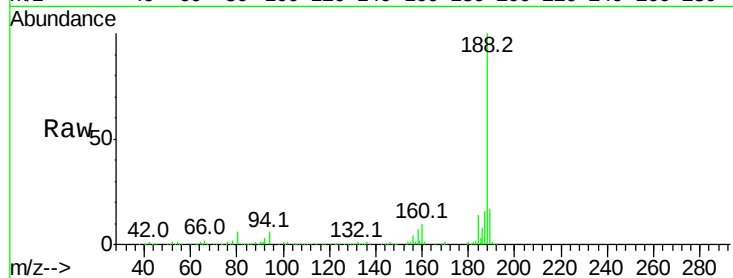
Tot Ion:188 Resp: 356599

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

80 5.8 7.7 11.5#



#64

4,6-Dinitro-2-methylphenol

Concen: 8.725 ng

RT: 16.91 min Scan# 2319

Delta R.T. 0.36 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

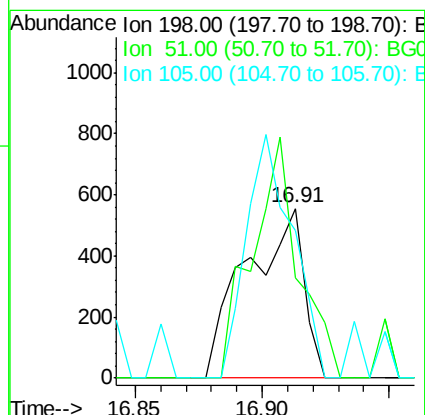
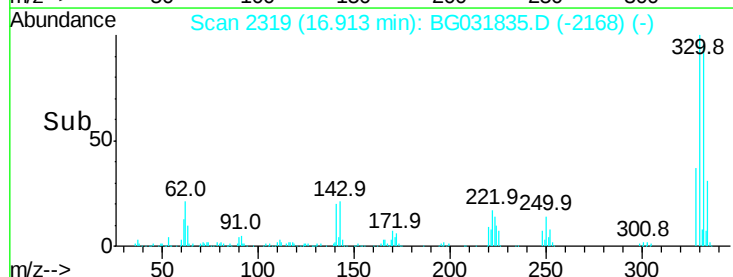
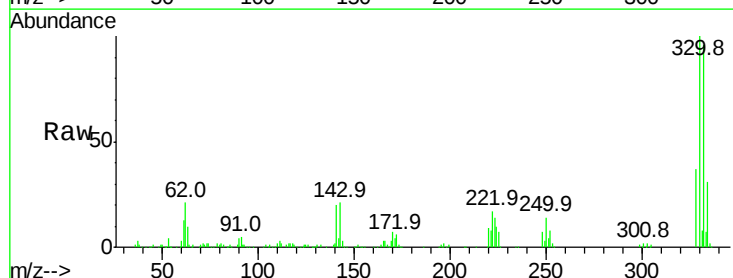
Tgt Ion:198 Resp: 880

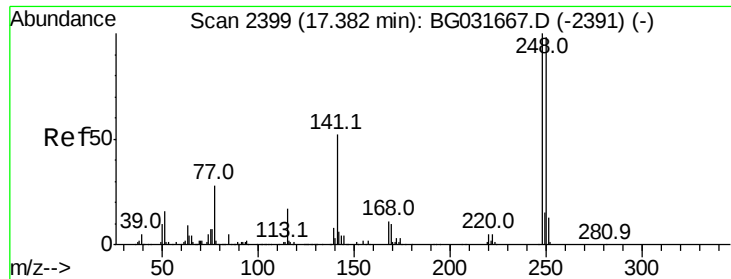
Ion Ratio Lower Upper

198 100

51 58.9 30.6 70.6

105 86.8 23.8 63.8#

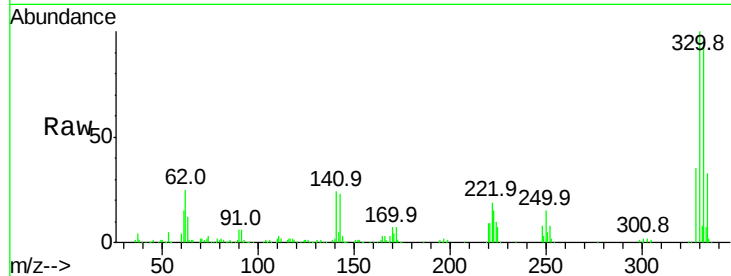




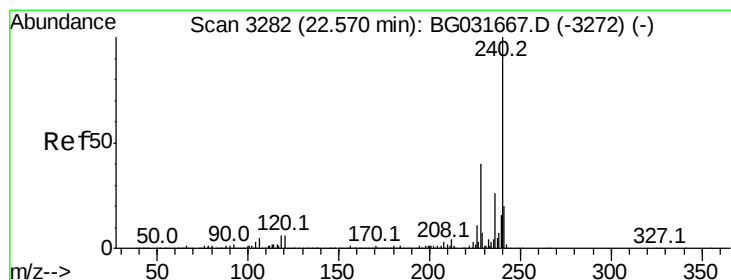
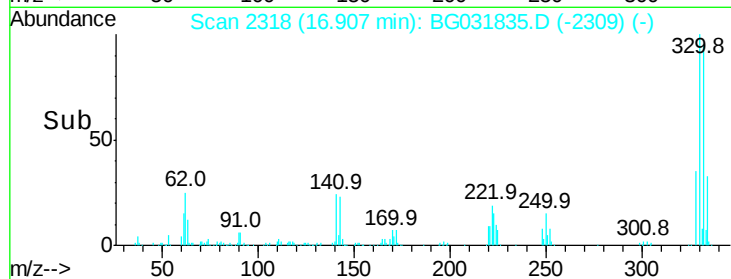
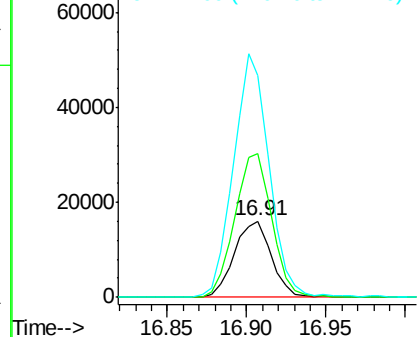
#66
 4-Bromophenyl-phenylether
 Concen: 5.014 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.48 min
 Lab File: BG031835.D
 Acq: 28 Dec 2017 21:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 25856
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.1 115.7#
 141 290.8 50.8 76.2#

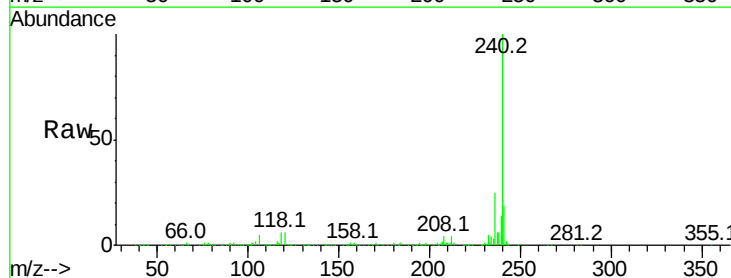


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

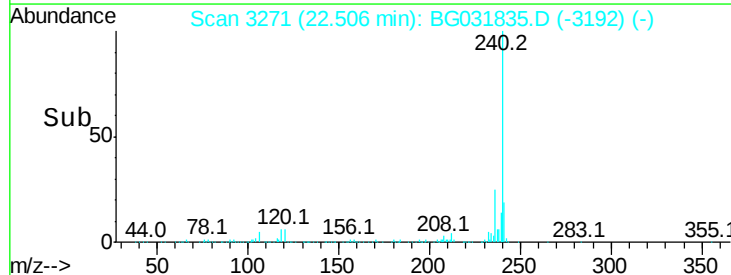
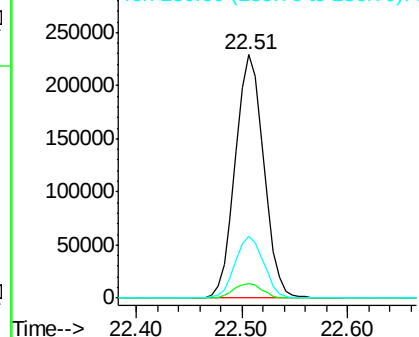


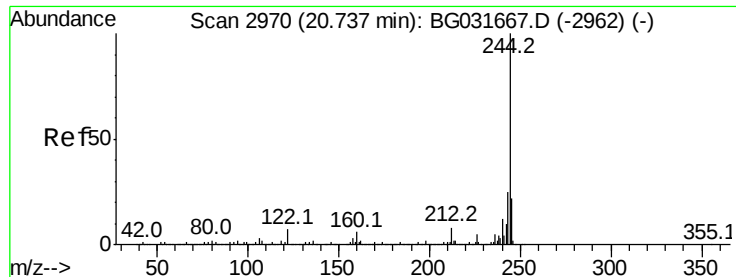
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.51 min Scan# 3271
 Delta R.T. -0.06 min
 Lab File: BG031835.D
 Acq: 28 Dec 2017 21:19

Tgt Ion:240 Resp: 425984
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 25.4 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: 88.973 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

Instrument :

BNA_G

ClientSampleId :

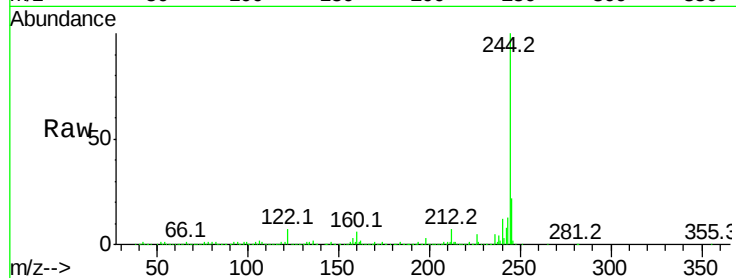
Tot Ion:244 Resp: 1658941

Ion Ratio Lower Upper

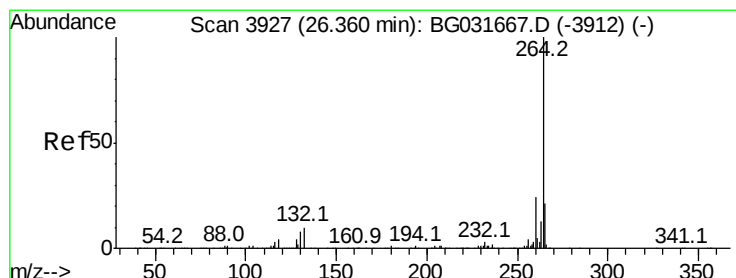
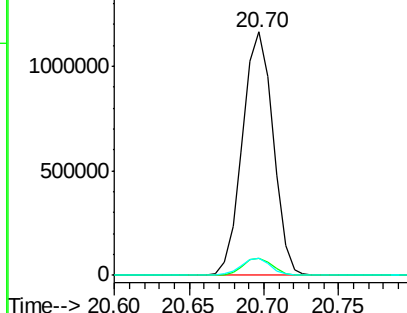
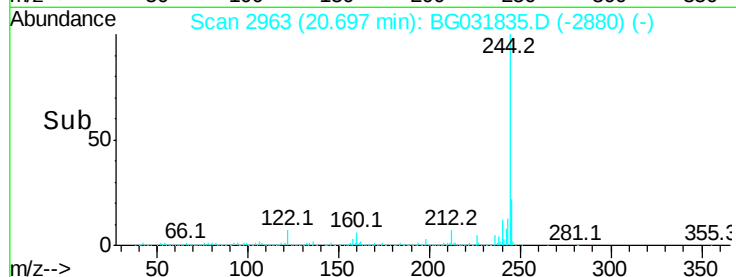
244 100

212 7.2 5.8 8.8

122 6.9 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

Perylene-d12

Concen: 20.000 ng

RT: 26.25 min Scan# 3909

Delta R.T. -0.10 min

Lab File: BG031835.D

Acq: 28 Dec 2017 21:19

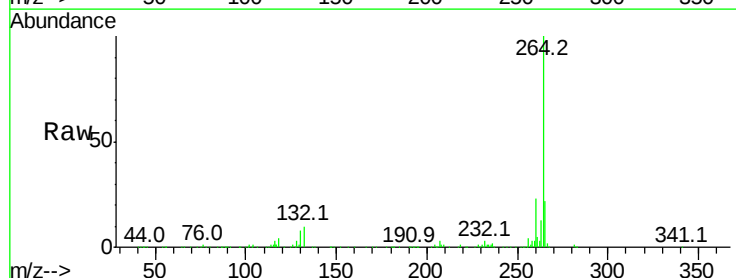
Tgt Ion:264 Resp: 450775

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.4 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

