

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120718\
 Data File : BG038427.D
 Acq On : 8 Dec 2018 7:56
 Operator : JU/SJ
 Sample : J6019-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Dec 10 02:51:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25723	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	109933	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	74313	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	182170	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	177780	20.00	ng	-0.02
87) Perylene-d12	25.03	264	188022	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	107313	73.83	ng	0.00
7) Phenol-d6	7.22	99	74714	35.56	ng	0.00
23) Nitrobenzene-d5	9.25	82	184740	83.43	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	131097	143.70	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	447226	85.75	ng	0.00
79) Terphenyl-d14	20.05	244	720018	86.76	ng	0.00

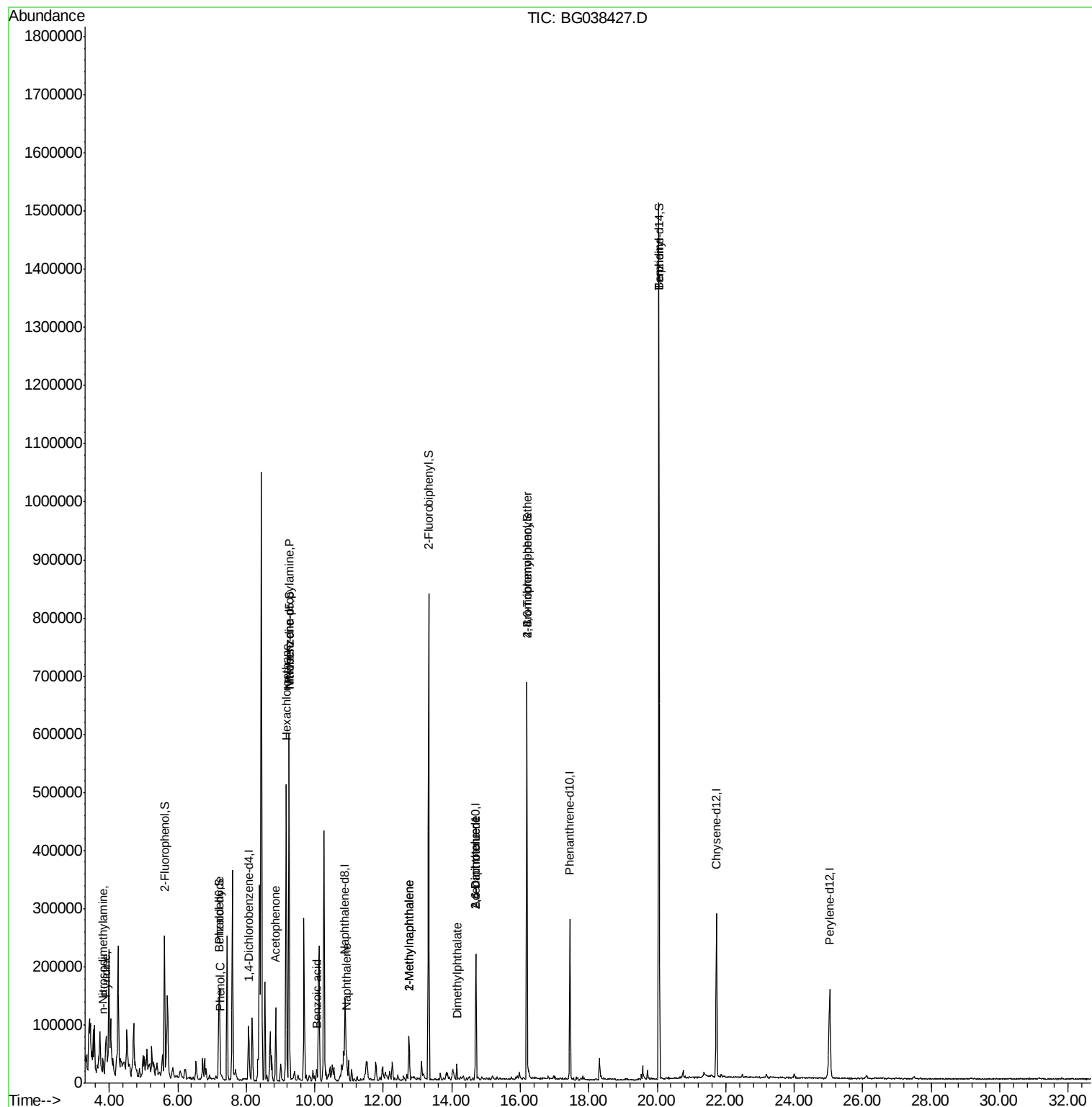
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.89	79	9231	4.632	ng	# 48
4) n-Nitrosodimethylamine	3.82	42	2518	2.884	ng	# 1
9) Benzaldehyde	7.20	77	8107	6.094	ng	# 1
10) Phenol	7.24	94	5251	2.366	ng	# 89
17) 2-Methylphenol	8.54	107	489	Below Cal		# 1
18) Hexachloroethane	9.17	117	62674	85.063	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	24714	14.767	ng	# 80
22) Acetophenone	8.86	105	92020	34.307	ng	# 54
24) Nitrobenzene	9.25	77	11314	5.029	ng	# 6
31) Naphthalene	10.94	128	22076	4.204	ng	# 91
32) Benzoic acid	10.07	122	631	5.291	ng	# 53
37) 2-Methylnaphthalene	12.75	142	26462	7.076	ng	# 94
38) 1-Methylnaphthalene	12.75	142	26462	7.388	ng	# 97
50) Dimethylphthalate	14.15	163	19198	3.221	ng	# 99
51) 2,6-Dinitrotoluene	14.70	165	9854	7.237	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	9854	5.247	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	8490	4.316	ng	# 1
77) Benzidine	20.05	184	12840	2.140	ng	# 93

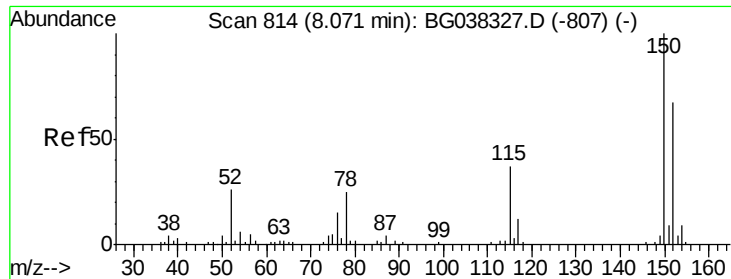
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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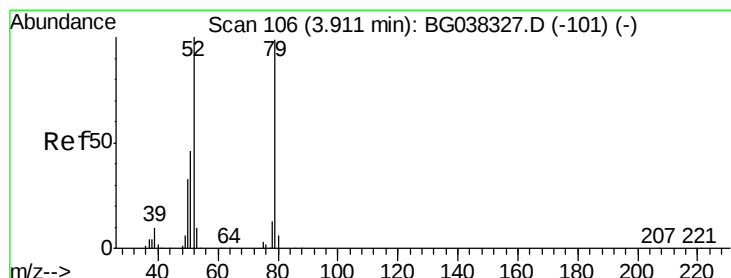
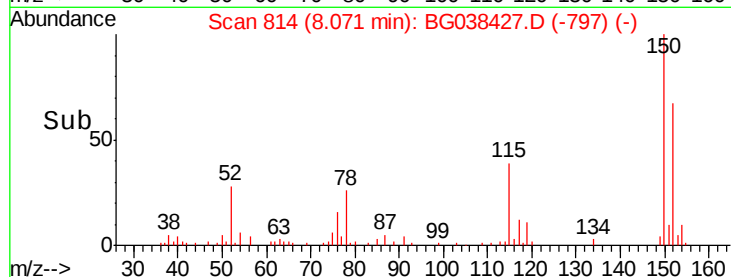
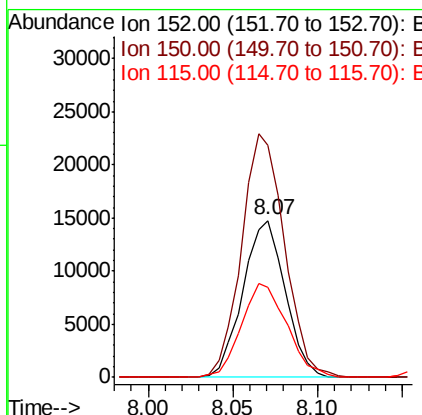
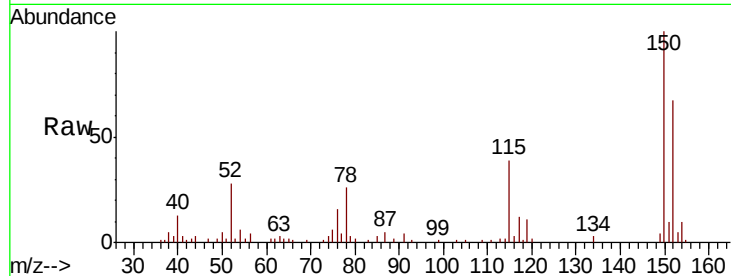




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

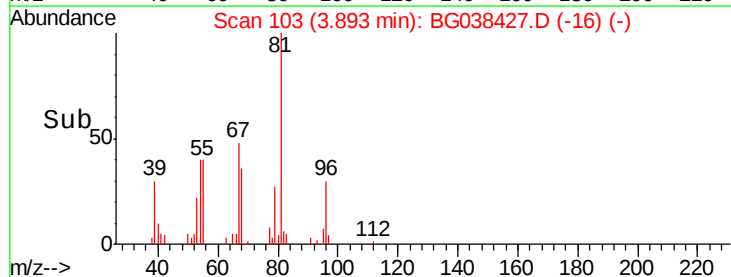
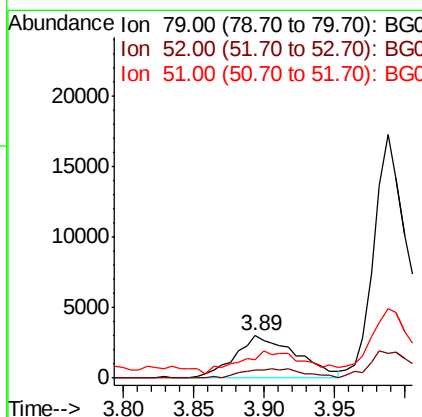
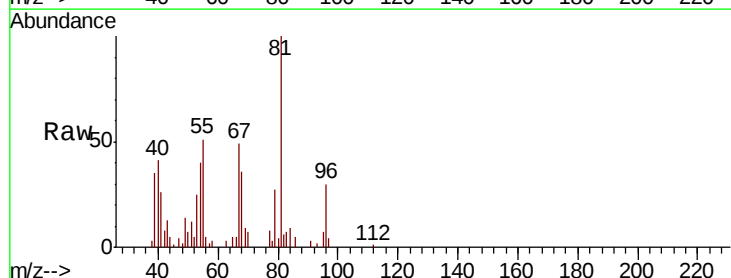
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

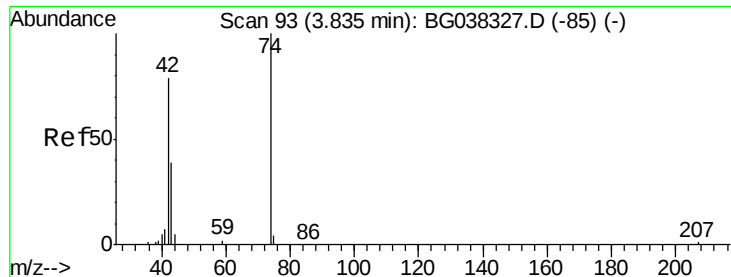
Tgt Ion:152 Resp: 25723
 Ion Ratio Lower Upper
 152 100
 150 148.2 126.0 189.0
 115 57.1 45.5 68.3



#3
 Pyridine
 Concen: 4.632 ng
 RT: 3.89 min Scan# 103
 Delta R.T. -0.02 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Tgt Ion: 79 Resp: 9231
 Ion Ratio Lower Upper
 79 100
 52 19.6 74.2 111.2#
 51 43.3 34.6 51.8





#4

n-Nitrosodimethylamine

Concen: 2.884 ng

RT: 3.82 min Scan# 90

Delta R.T. -0.02 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampleId :

MW-2

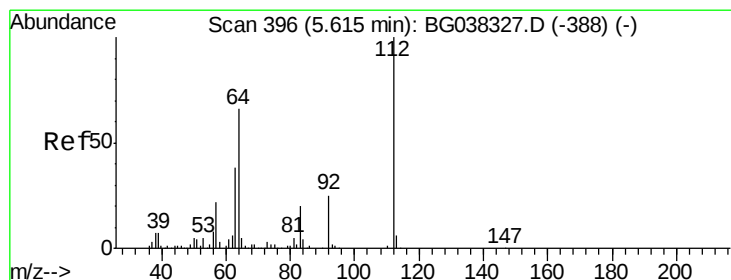
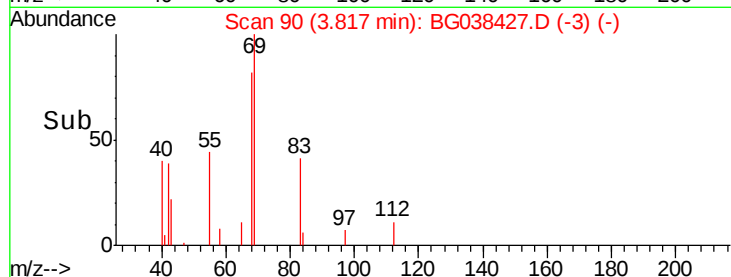
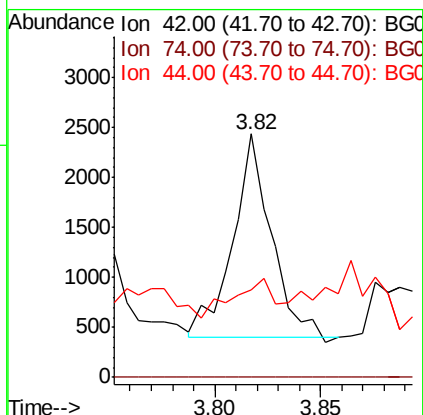
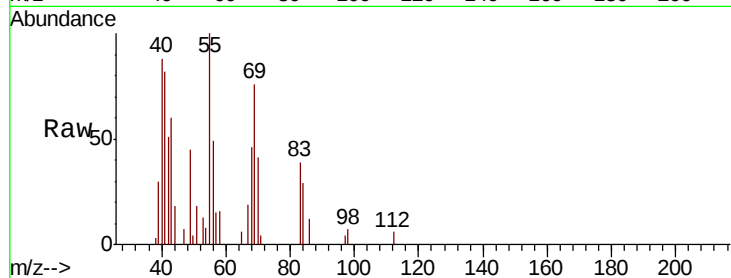
Tgt Ion: 42 Resp: 2518

Ion Ratio Lower Upper

42 100

74 0.0 102.0 153.0#

44 36.1 9.6 14.4#



#5

2-Fluorophenol

Concen: 73.827 ng

RT: 5.62 min Scan# 396

Delta R.T. 0.00 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

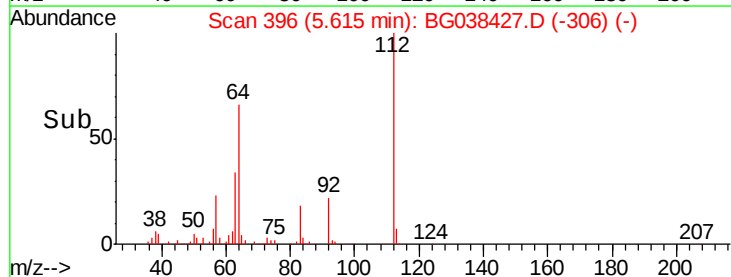
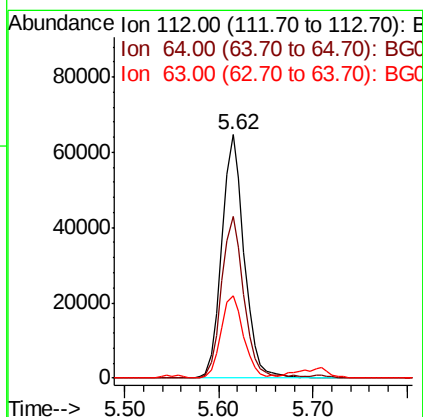
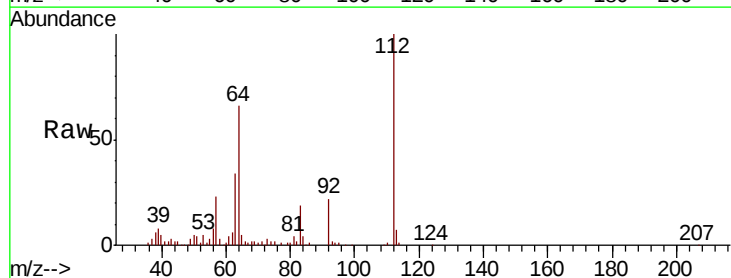
Tgt Ion: 112 Resp: 107313

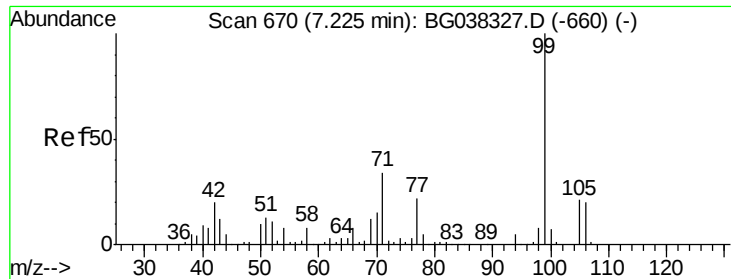
Ion Ratio Lower Upper

112 100

64 66.3 53.1 79.7

63 33.9 27.3 40.9





#7

Phenol-d6

Concen: 35.563 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampled :

MW-2

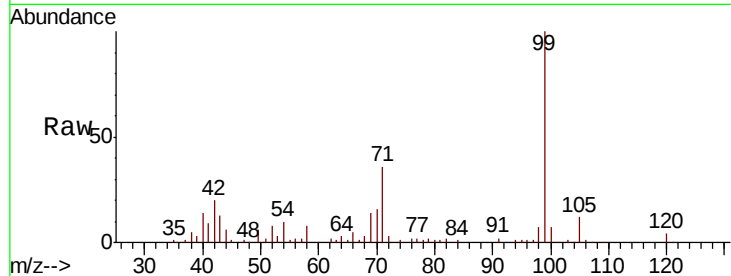
Tgt Ion: 99 Resp: 74714

Ion Ratio Lower Upper

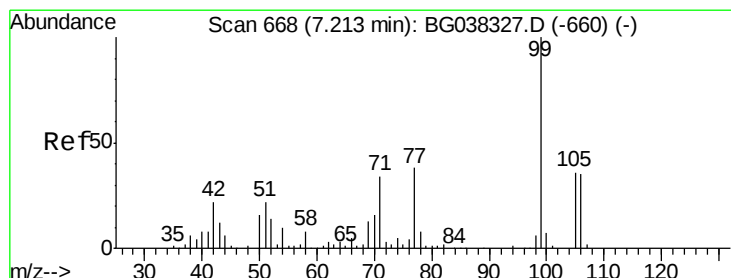
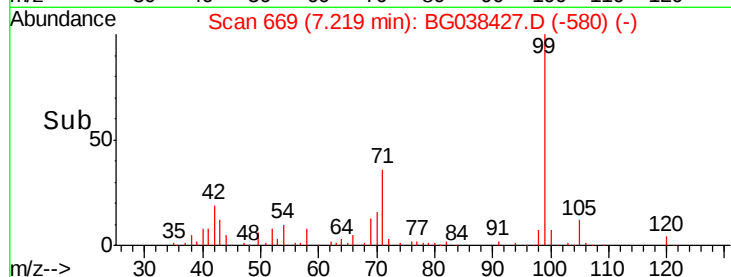
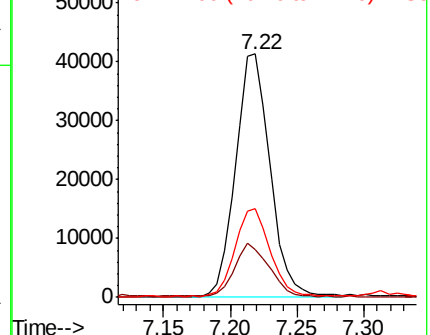
99 100

42 19.9 15.0 22.4

71 36.2 25.5 38.3



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: 6.094 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

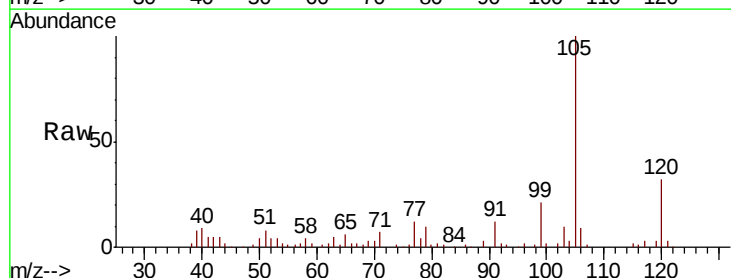
Tgt Ion: 77 Resp: 8107

Ion Ratio Lower Upper

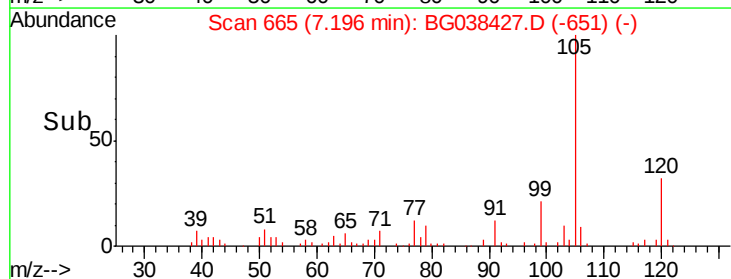
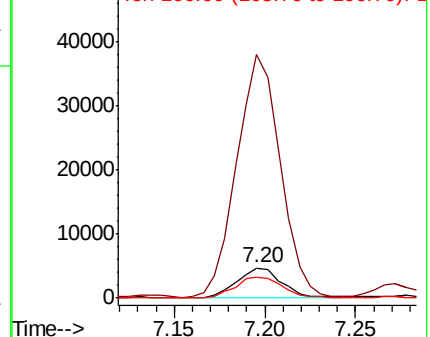
77 100

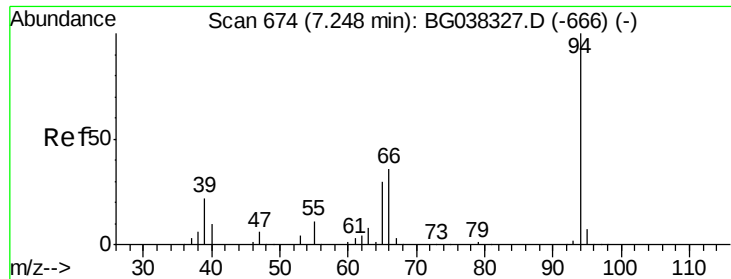
105 806.0 72.6 112.6#

106 70.8 71.3 111.3#



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: 2.366 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampled :

MW-2

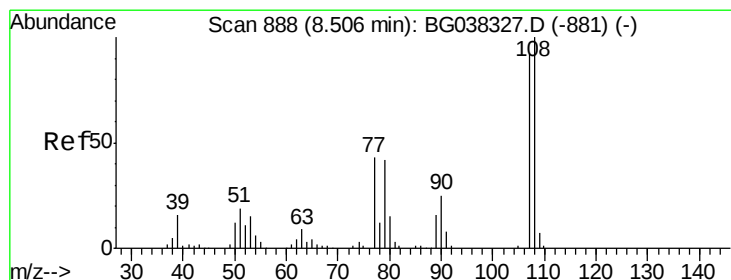
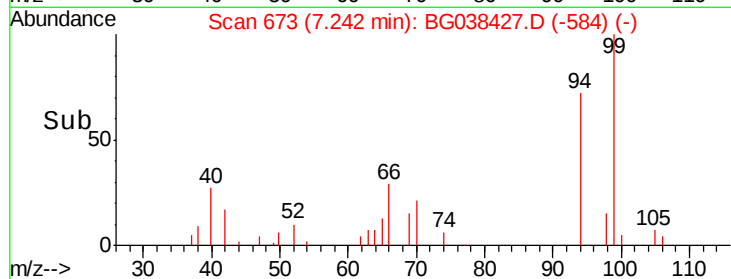
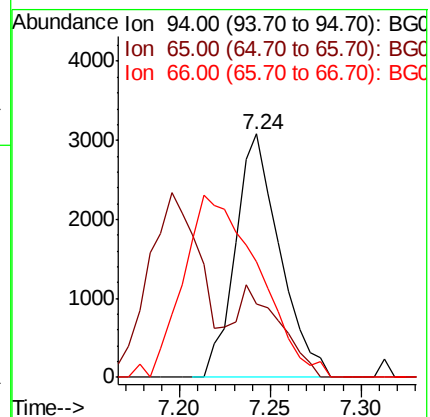
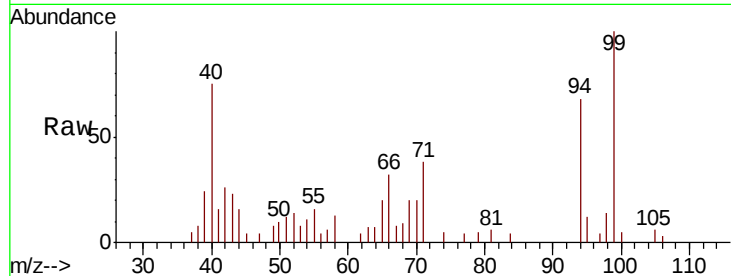
Tgt Ion: 94 Resp: 5251

Ion Ratio Lower Upper

94 100

65 30.0 9.7 49.7

66 47.5 15.9 55.9



#17

2-Methylphenol

Concen: Below Cal

RT: 8.54 min Scan# 894

Delta R.T. 0.04 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Tgt Ion: 107 Resp: 489

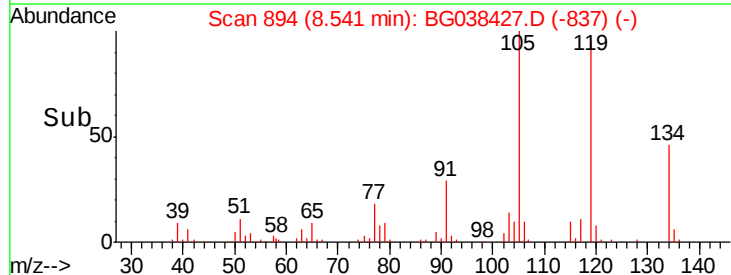
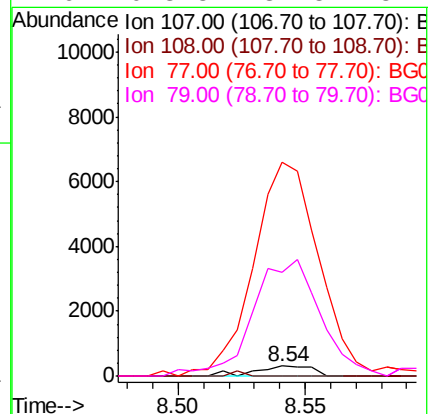
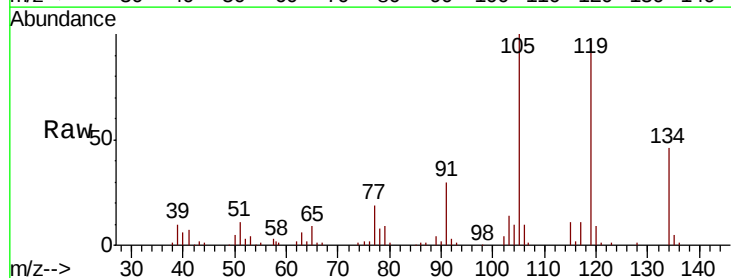
Ion Ratio Lower Upper

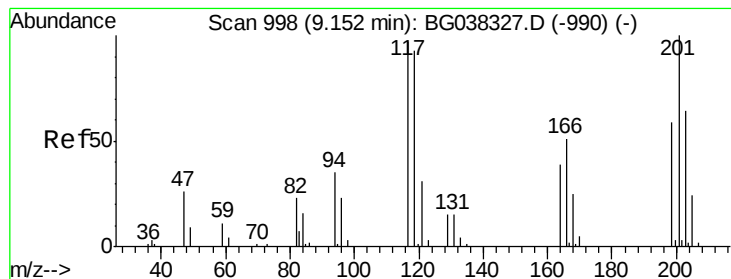
107 100

108 0.0 87.9 131.9#

77 2140.6 35.1 52.7#

79 1043.5 34.5 51.7#





#18

Hexachloroethane

Concen: 85.063 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.02 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampleId :

MW-2

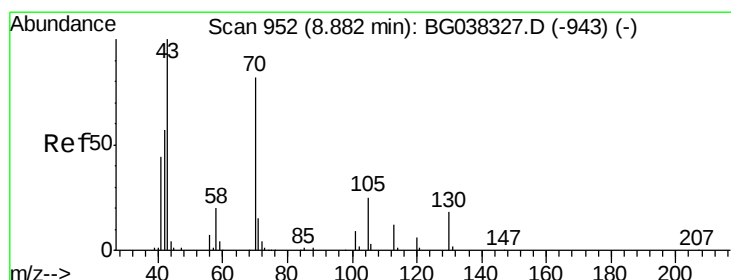
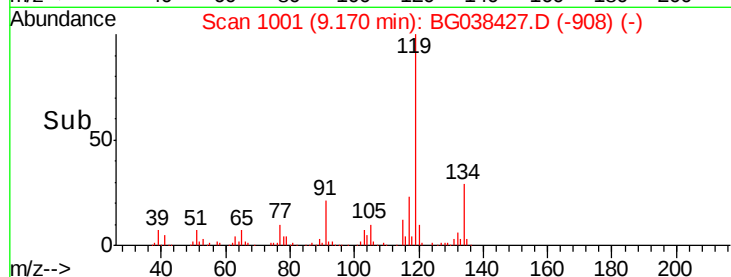
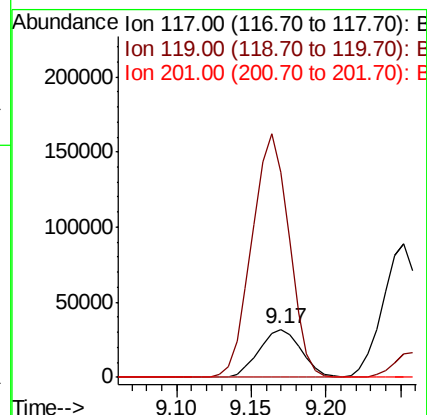
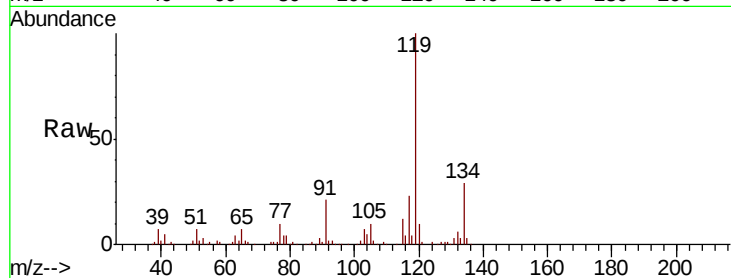
Tgt Ion:117 Resp: 62674

Ion Ratio Lower Upper

117 100

119 426.0 74.6 111.8#

201 0.0 80.8 121.2#



#19

n-Nitroso-di-n-propylamine

Concen: 14.767 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Tgt Ion: 70 Resp: 24714

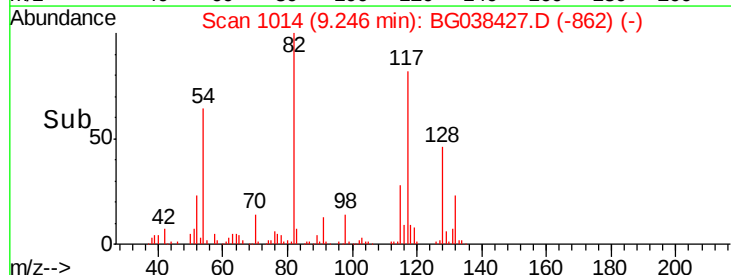
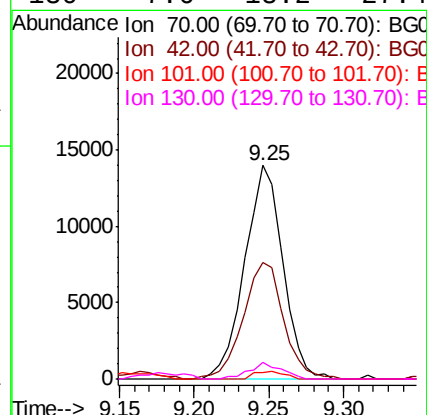
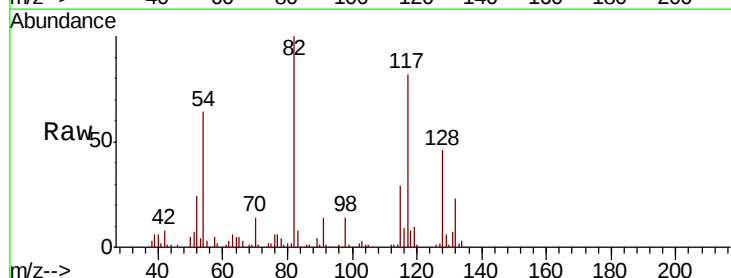
Ion Ratio Lower Upper

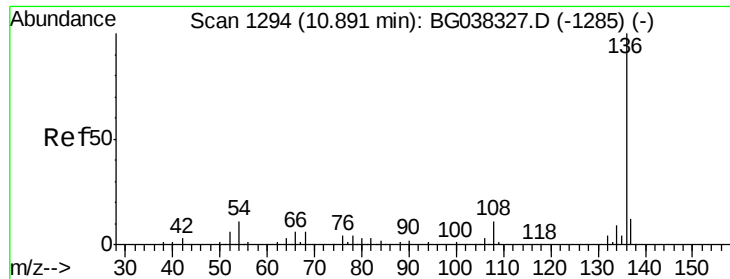
70 100

42 54.8 53.9 80.9

101 3.3 8.2 12.2#

130 7.6 18.2 27.4#

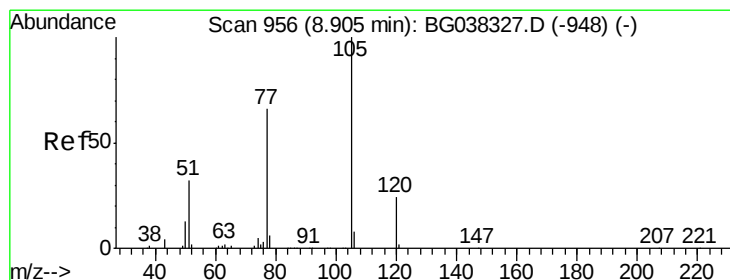
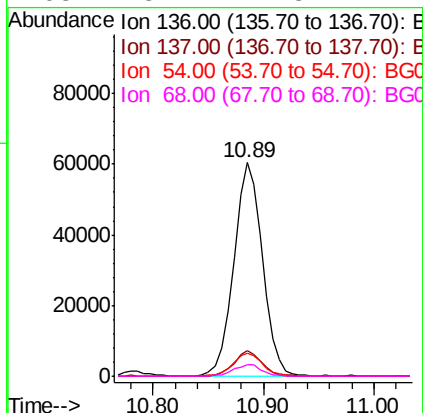
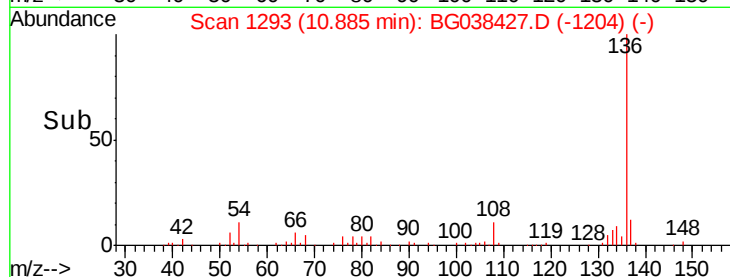
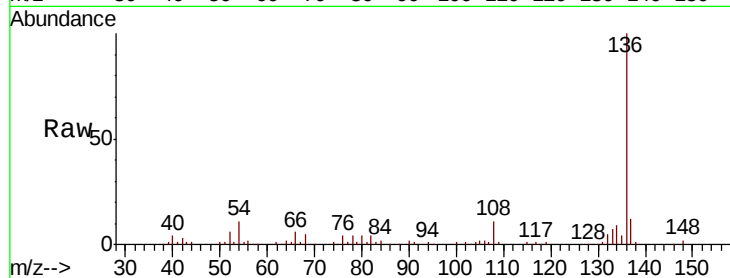




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

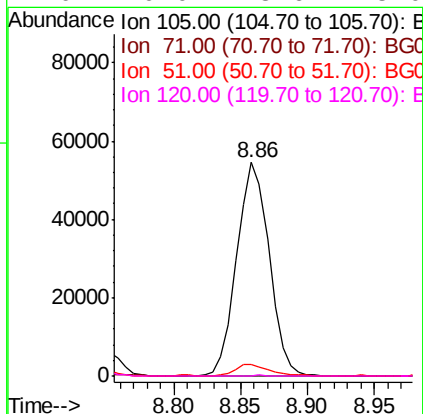
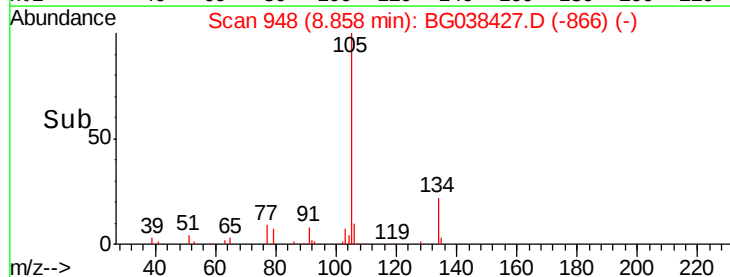
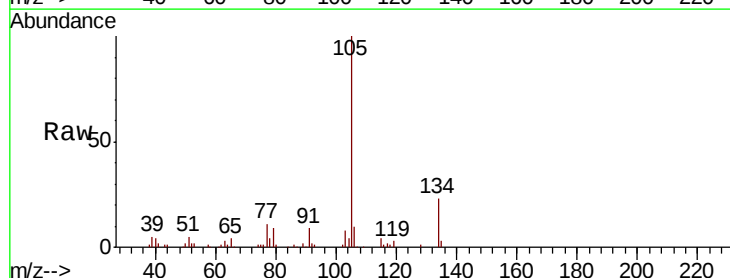
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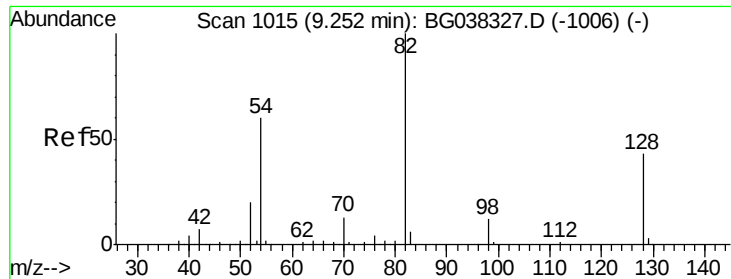
Tgt Ion:	136	Resp:	109933
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	11.0	7.9	11.9
68	5.2	4.8	7.2



#22
Acetophenone
Concen: 34.307 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.05 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

Tgt Ion:	105	Resp:	92020
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	5.5	25.0	37.6#
120	0.0	18.6	28.0#

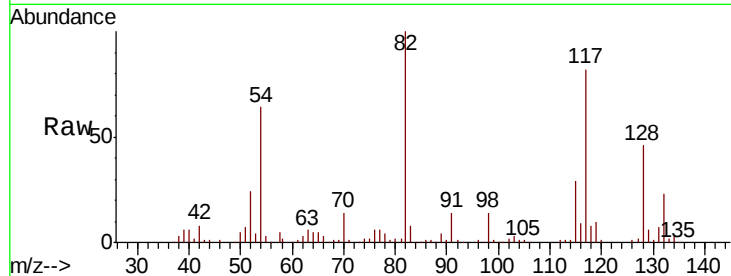




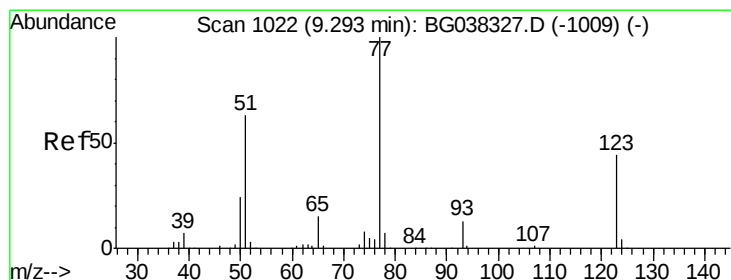
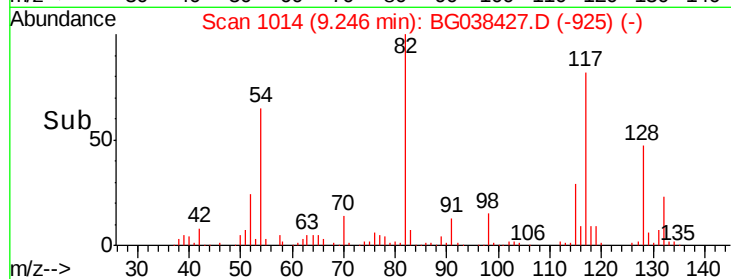
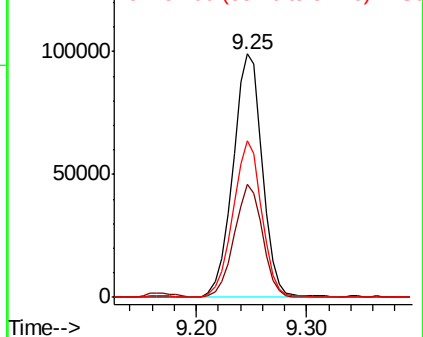
#23
 Nitrobenzene-d5
 Concen: 83.432 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Tgt Ion: 82 Resp: 184740
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.6 51.8
 54 64.5 45.3 67.9

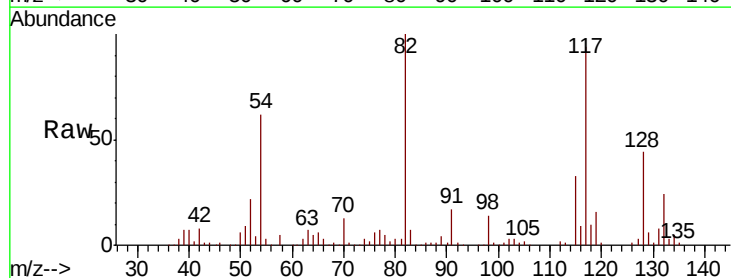


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

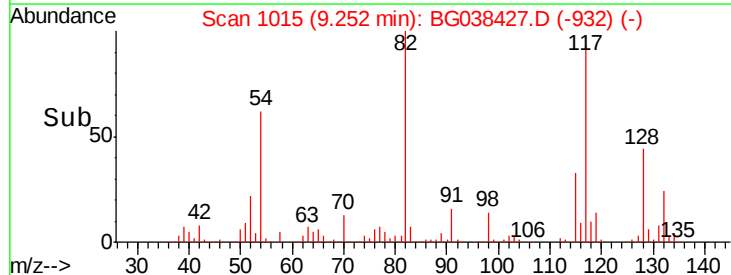
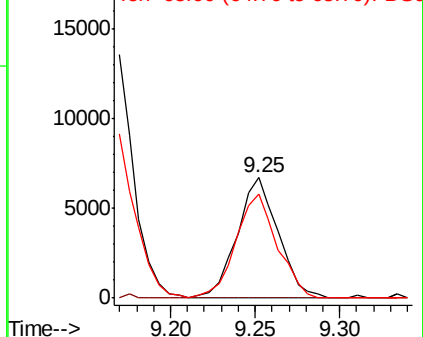


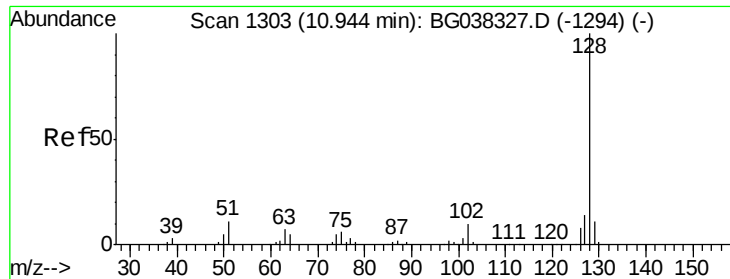
#24
 Nitrobenzene
 Concen: 5.029 ng
 RT: 9.25 min Scan# 1015
 Delta R.T. -0.04 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Tgt Ion: 77 Resp: 11314
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.6 50.4#
 65 86.0 11.3 16.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

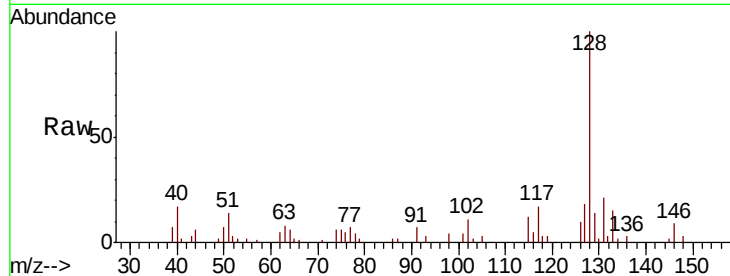




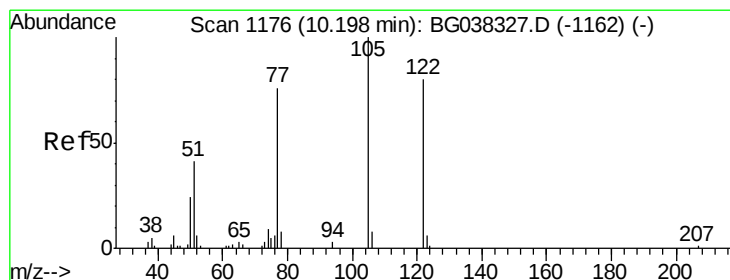
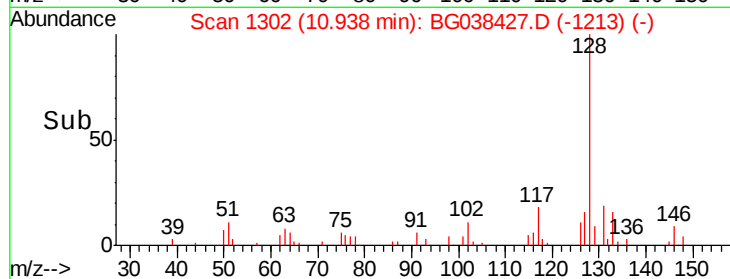
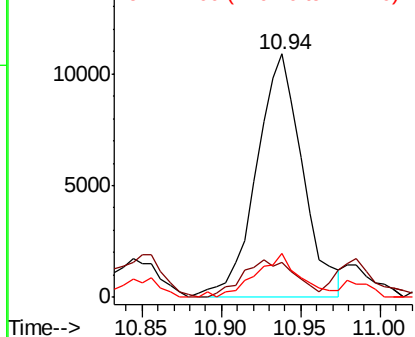
#31
Naphthalene
Concen: 4.204 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

Instrument :
BNA_G
ClientSampleId :
MW-2

Tgt Ion:128 Resp: 22076
Ion Ratio Lower Upper
128 100
129 14.4 9.0 13.6#
127 18.0 11.1 16.7#

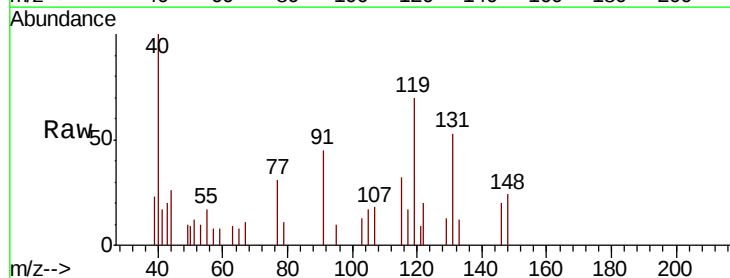


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

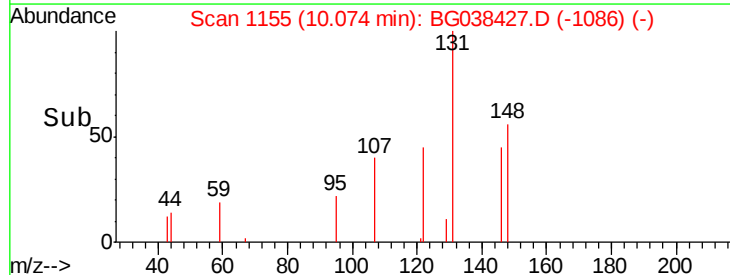
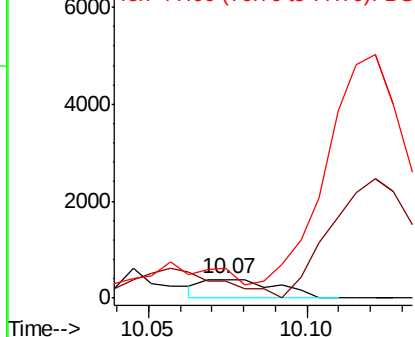


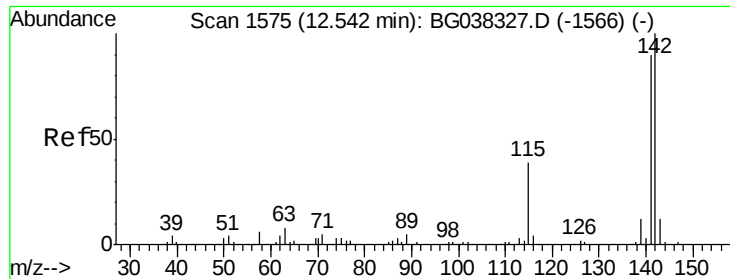
#32
Benzoic acid
Concen: 5.291 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.12 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

Tgt Ion:122 Resp: 631
Ion Ratio Lower Upper
122 100
105 87.9 106.7 146.7#
77 155.4 72.2 112.2#



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

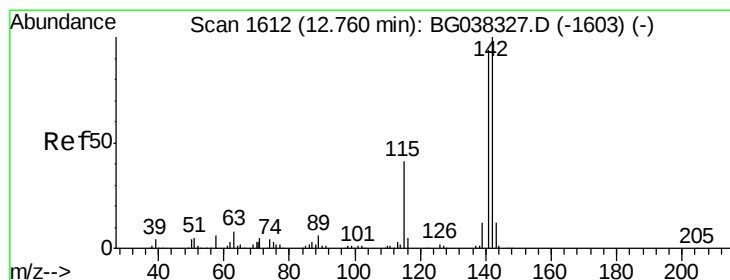
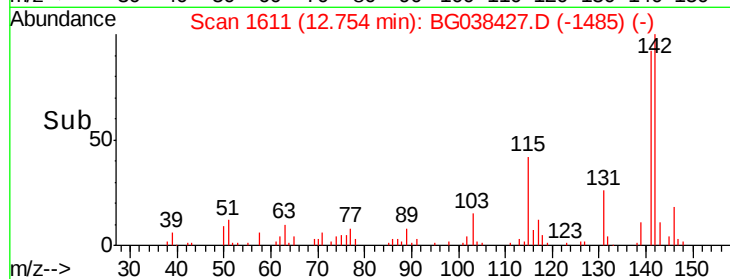
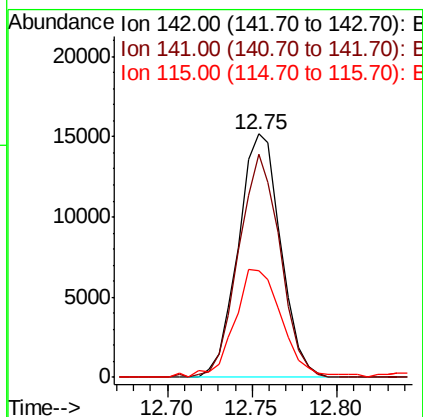
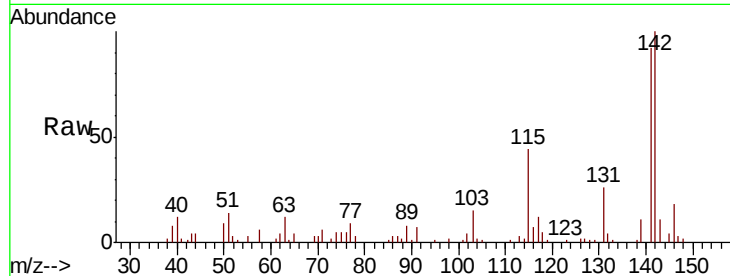




#37
 2-Methylnaphthalene
 Concen: 7.076 ng
 RT: 12.75 min Scan# 1611
 Delta R.T. 0.21 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

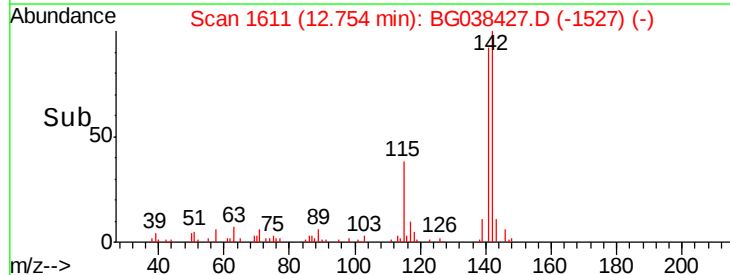
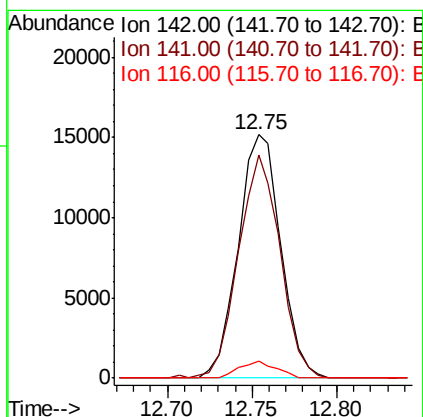
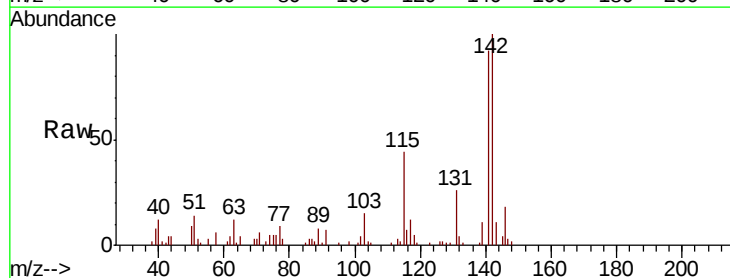
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

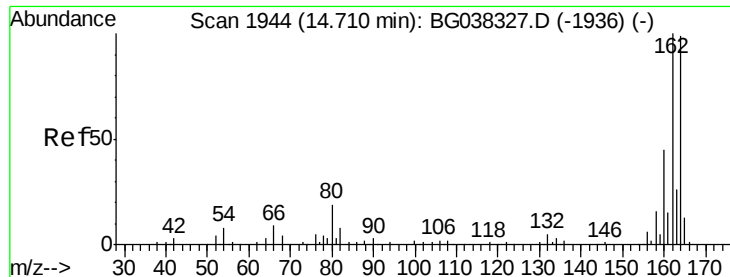
Tgt Ion:142 Resp: 26462
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.9 107.9
 115 43.6 27.8 41.8#



#38
 1-Methylnaphthalene
 Concen: 7.388 ng
 RT: 12.75 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Tgt Ion:142 Resp: 26462
 Ion Ratio Lower Upper
 142 100
 141 91.7 75.2 112.8
 116 6.8 3.3 4.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampleId :

MW-2

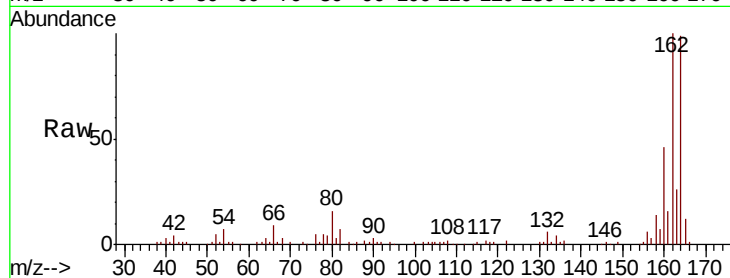
Tgt Ion:164 Resp: 74313

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

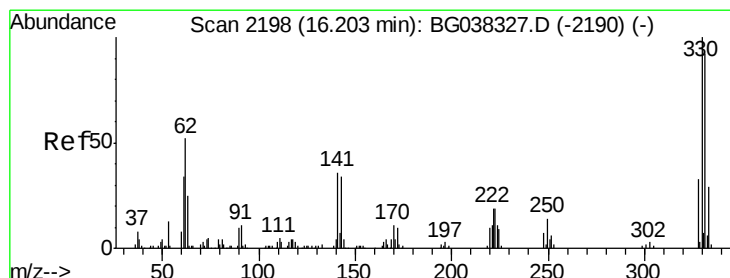
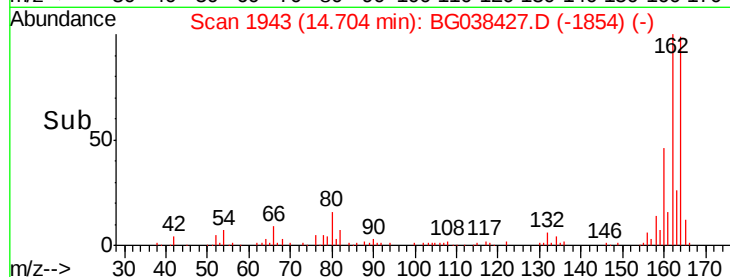
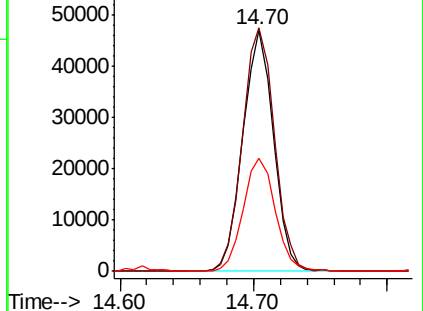
160 46.8 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 143.702 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

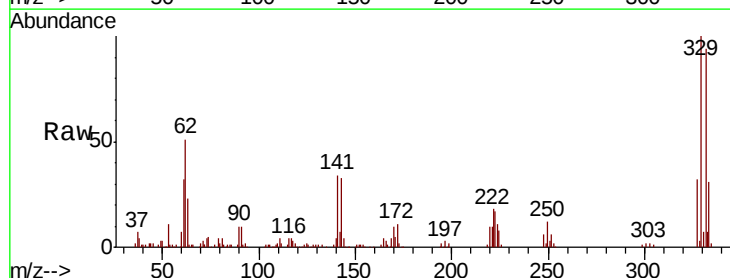
Tgt Ion:330 Resp: 131097

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

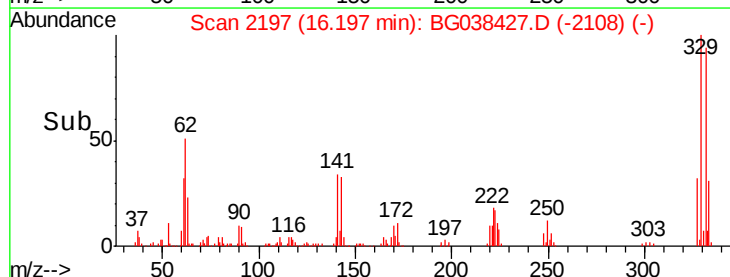
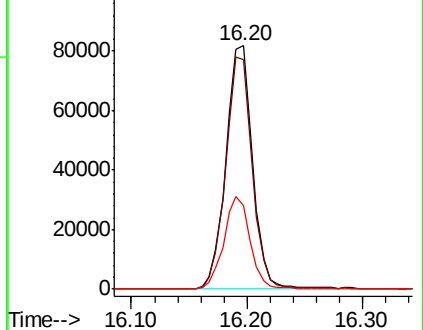
141 37.3 32.2 48.2

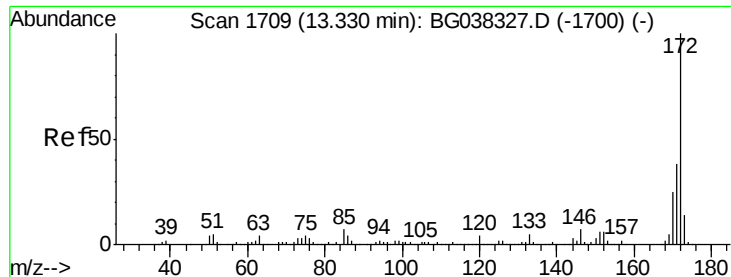


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

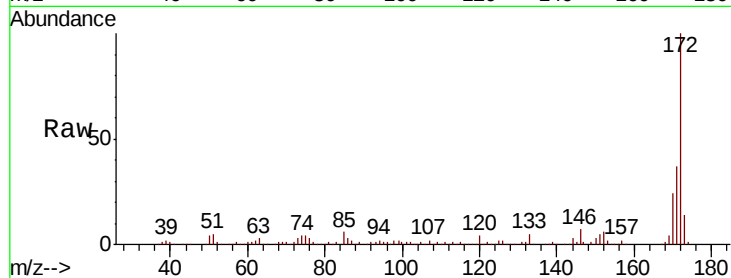




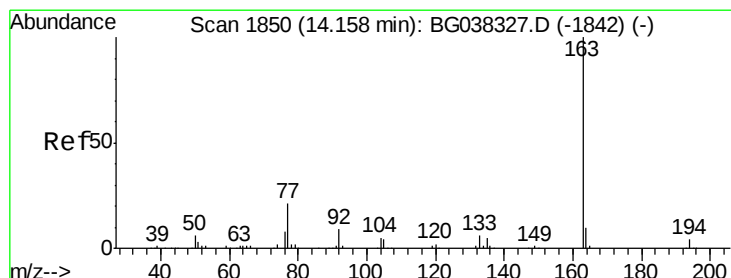
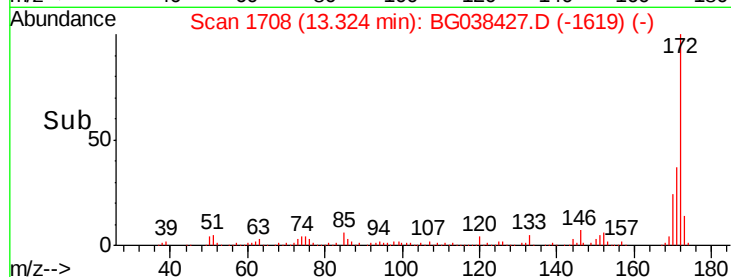
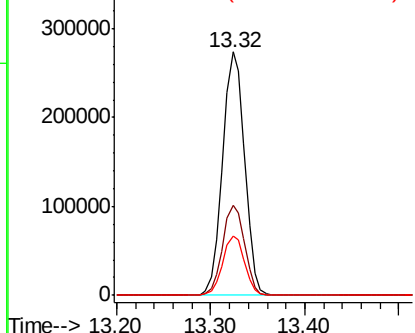
#45
 2-Fluorobiphenyl
 Concen: 85.753 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Tgt Ion:172 Resp: 447226
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.0 46.4
 170 24.2 20.2 30.2

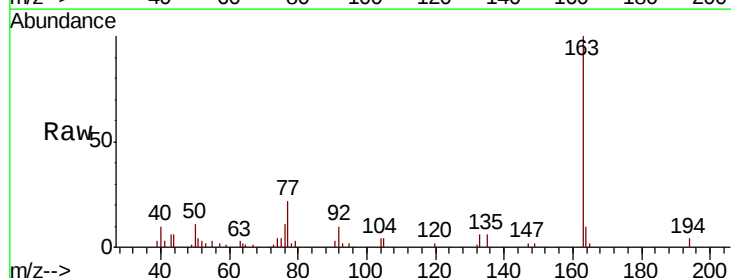


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

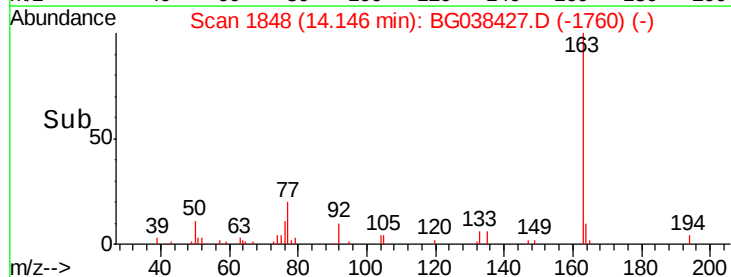
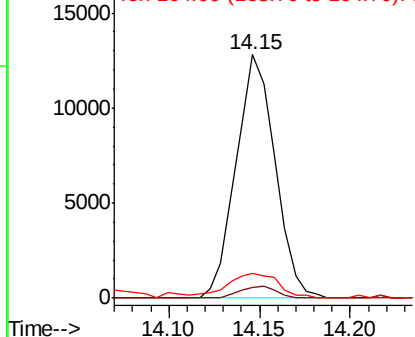


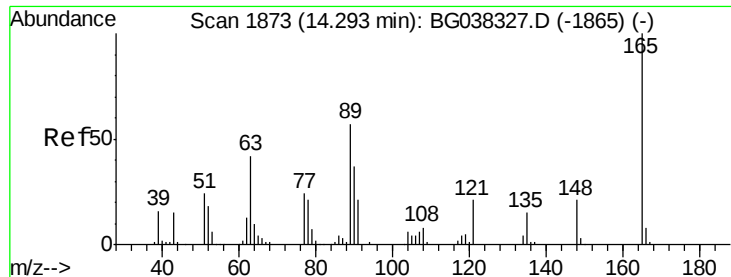
#50
 Dimethylphthalate
 Concen: 3.221 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Tgt Ion:163 Resp: 19198
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

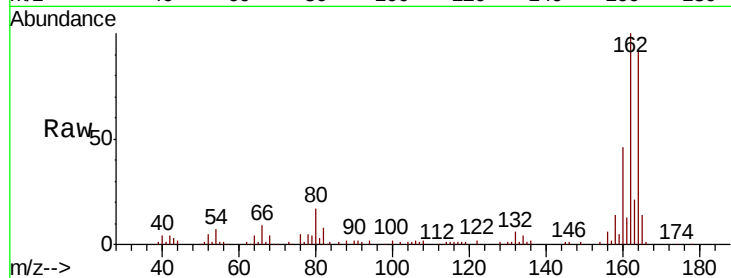




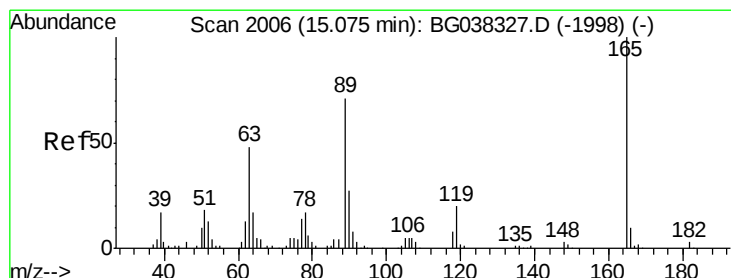
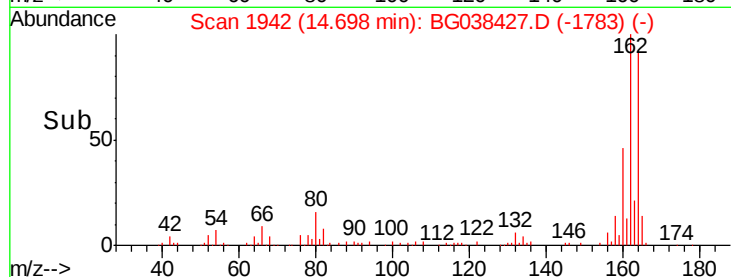
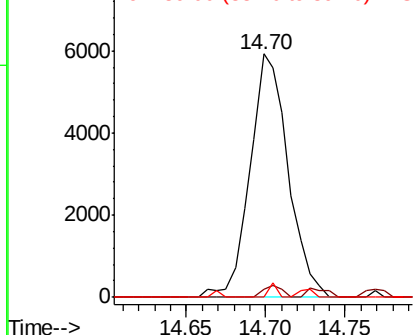
#51
 2,6-Dinitrotoluene
 Concen: 7.237 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.41 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Tgt Ion:165 Resp: 9854
 Ion Ratio Lower Upper
 165 100
 63 3.3 43.4 65.2#
 89 0.0 45.8 68.6#

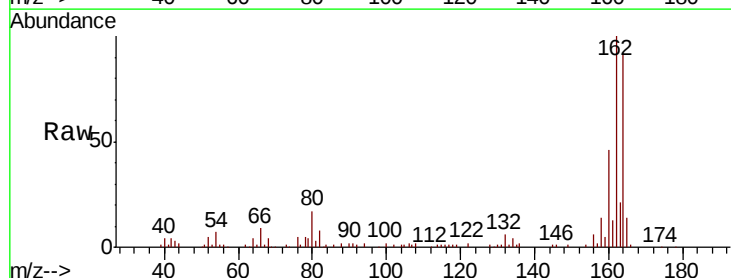


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

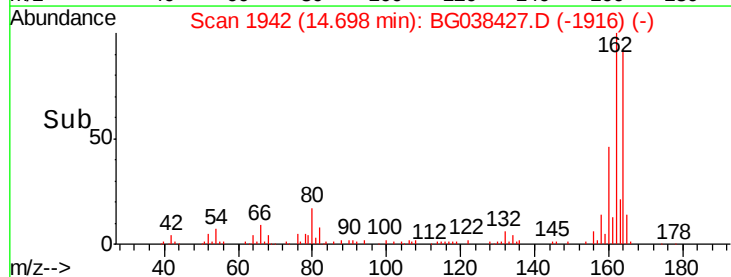
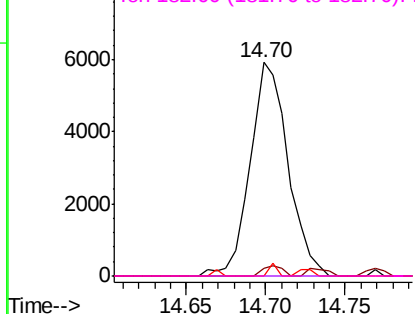


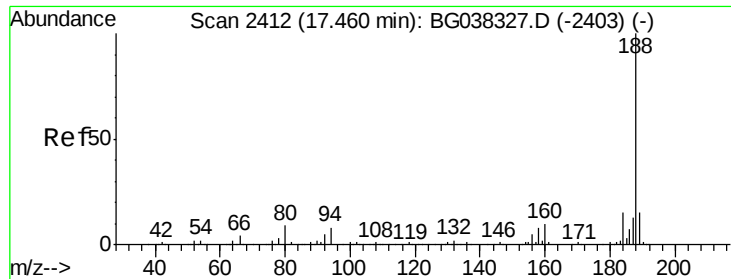
#57
 2,4-Dinitrotoluene
 Concen: 5.247 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.38 min
 Lab File: BG038427.D
 Acq: 8 Dec 2018 7:56

Tgt Ion:165 Resp: 9854
 Ion Ratio Lower Upper
 165 100
 63 3.3 33.4 50.0#
 89 0.0 57.2 85.8#
 182 0.0 2.6 4.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampleId :

MW-2

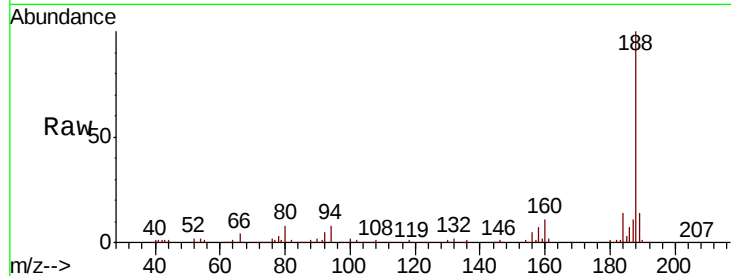
Tgt Ion:188 Resp: 182170

Ion Ratio Lower Upper

188 100

94 7.7 7.2 10.8

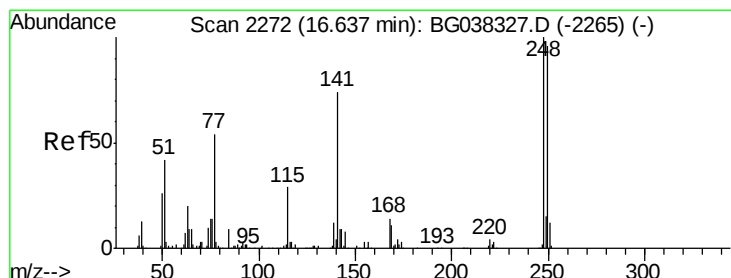
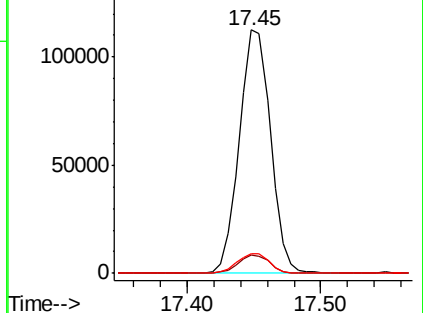
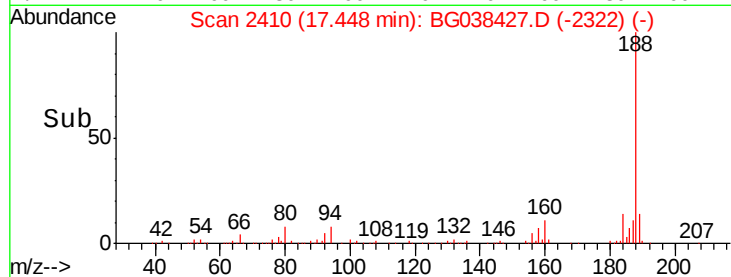
80 8.2 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 4.316 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.45 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

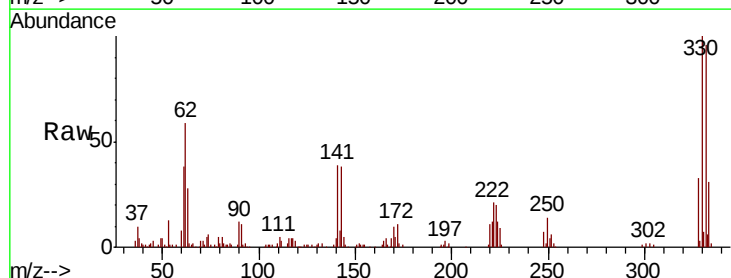
Tgt Ion:248 Resp: 8490

Ion Ratio Lower Upper

248 100

250 191.2 77.0 115.6#

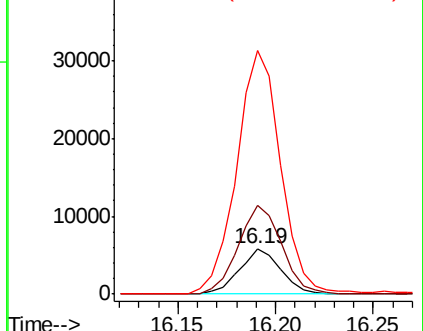
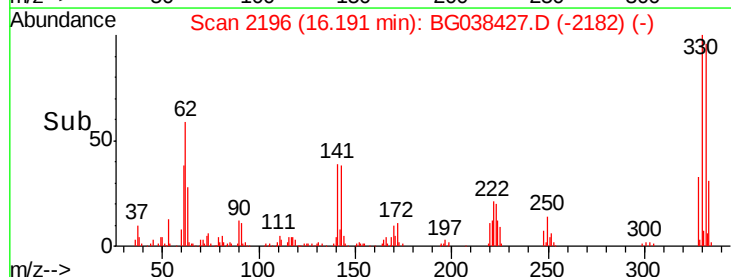
141 407.1 55.5 83.3#

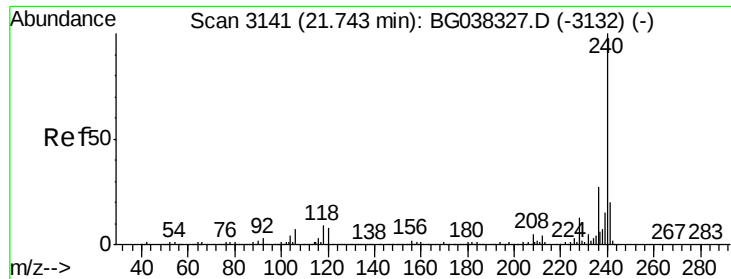


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

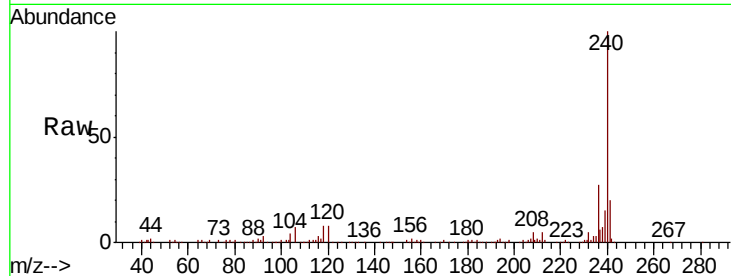




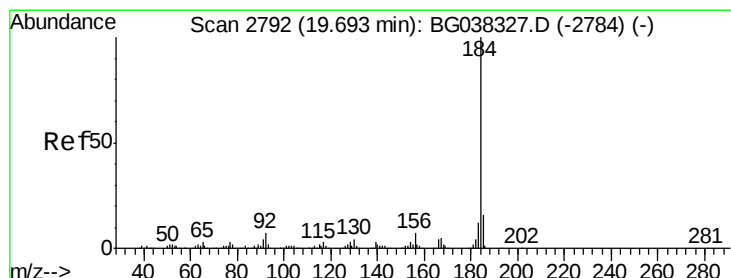
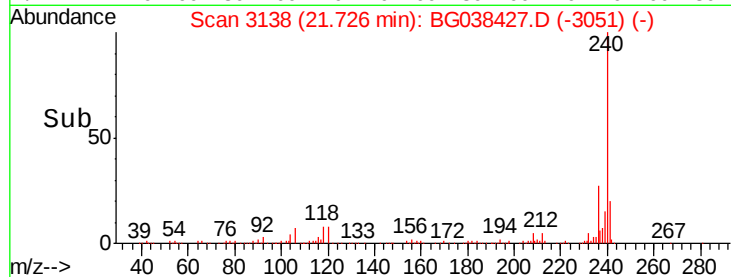
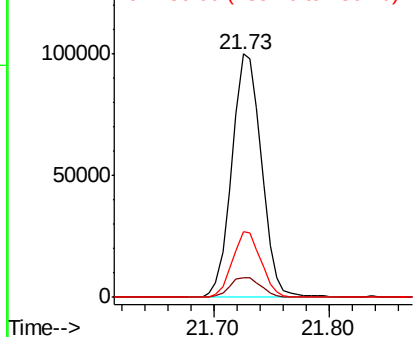
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

Instrument :
BNA_G
ClientSampleId :
MW-2

Tgt Ion:240 Resp: 177780
Ion Ratio Lower Upper
240 100
120 8.0 8.1 12.1#
236 26.9 21.4 32.0

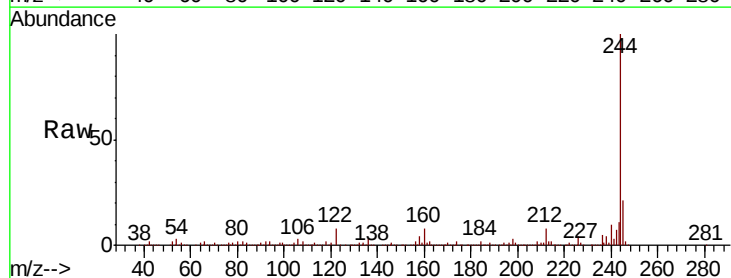


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

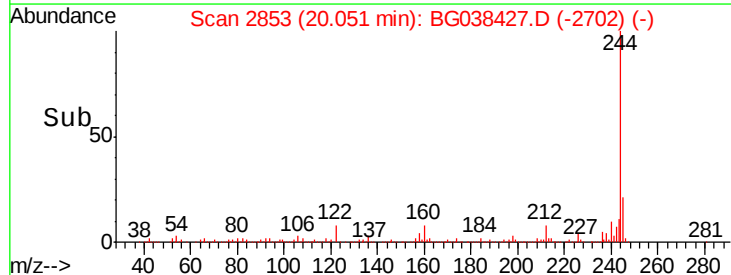
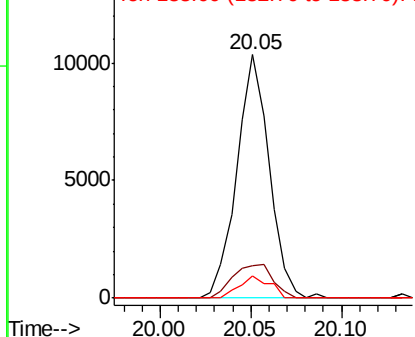


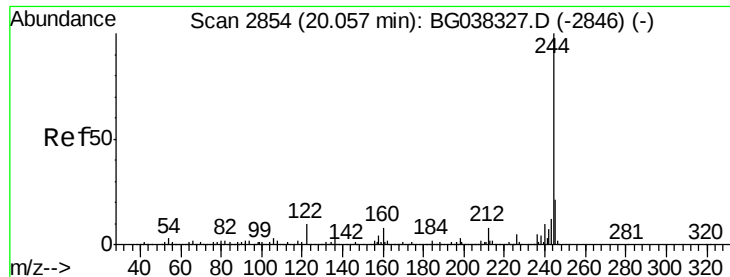
#77
Benzidine
Concen: 2.140 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038427.D
Acq: 8 Dec 2018 7:56

Tgt Ion:184 Resp: 12840
Ion Ratio Lower Upper
184 100
185 13.3 12.6 18.8
183 9.0 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.763 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

Instrument :

BNA_G

ClientSampleId :

MW-2

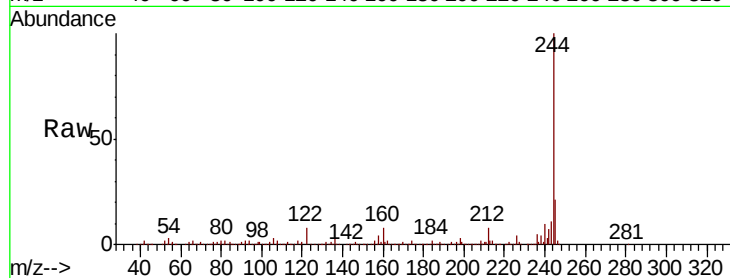
Tgt Ion:244 Resp: 720018

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

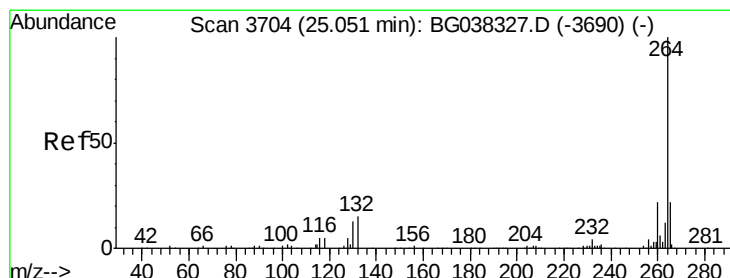
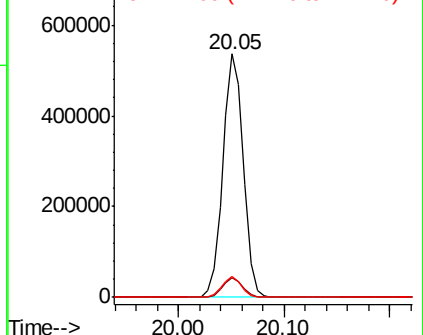
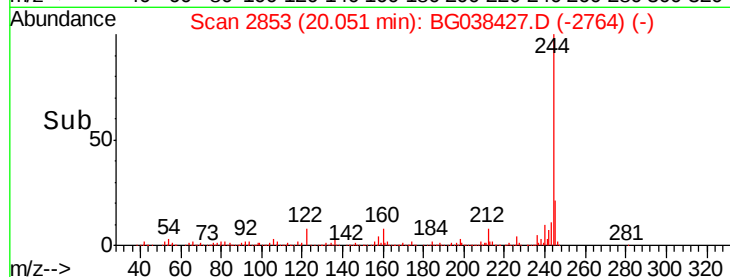
122 8.5 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038427.D

Acq: 8 Dec 2018 7:56

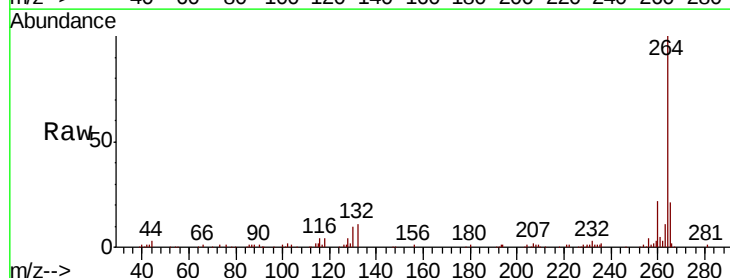
Tgt Ion:264 Resp: 188022

Ion Ratio Lower Upper

264 100

260 21.8 18.2 27.4

265 21.2 17.9 26.9



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

