

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041354.D
 Acq On : 20 Jun 2019 13:17
 Operator : HP/JU
 Sample : K3366-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 15:54:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	21049	20.00	ng	-0.01
21) Naphthalene-d8	10.90	136	83130	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	56576	20.00	ng	-0.01
64) Phenanthrene-d10	17.45	188	132058	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	135361	20.00	ng	-0.01
87) Perylene-d12	25.04	264	148087	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	123089	107.45	ng	0.00
7) Phenol-d6	7.22	99	193607	116.59	ng	-0.01
23) Nitrobenzene-d5	9.25	82	139356	70.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	94331	108.61	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	322343	77.44	ng	-0.01
79) Terphenyl-d14	20.05	244	523192	76.60	ng	-0.01

Target Compounds

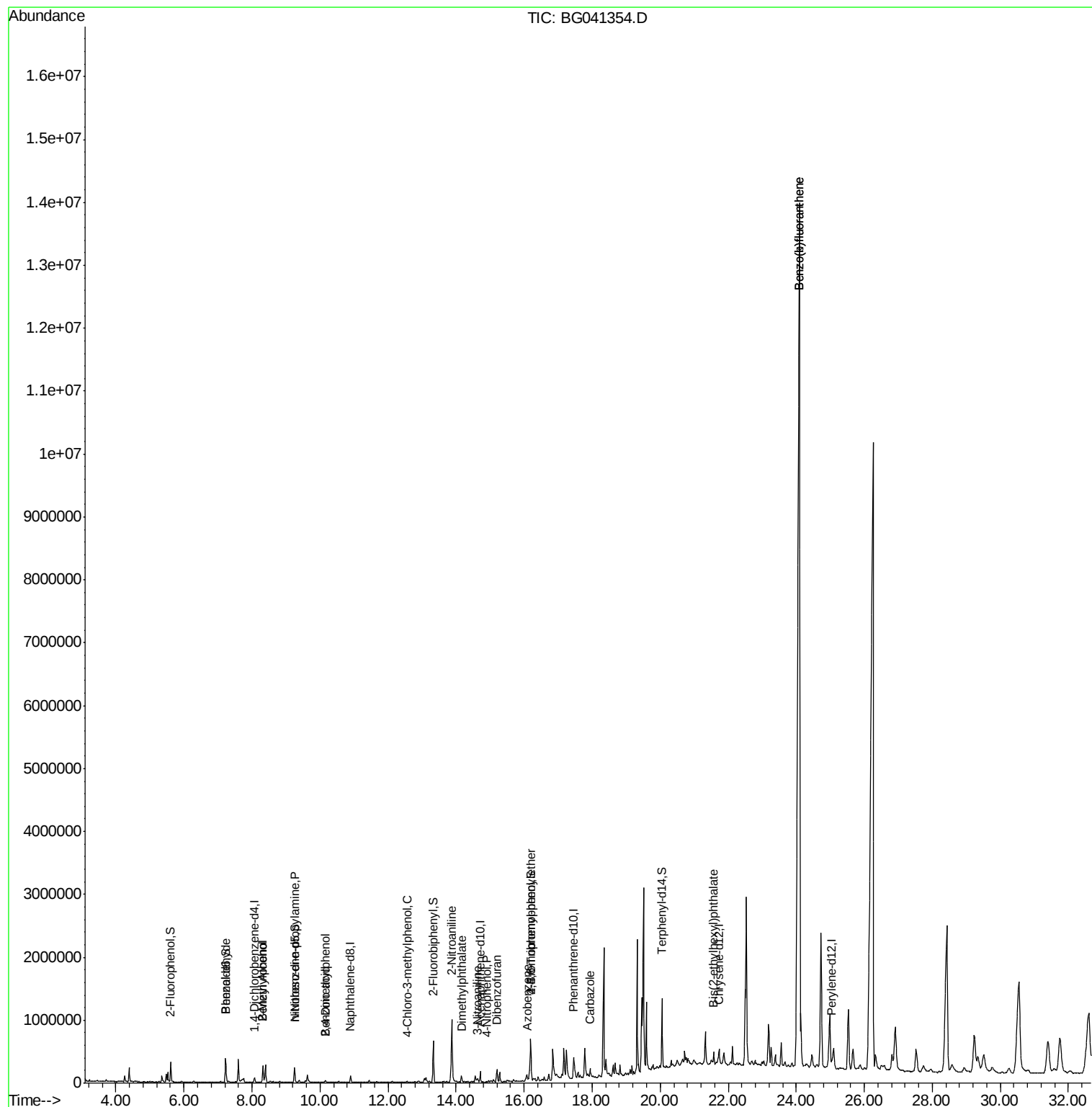
						Qvalue
9) Benzaldehyde	7.22	77	2191	2.063	ng	# 47
15) Benzyl Alcohol	8.32	79	117524	73.870	ng	98
17) 2-Methylphenol	8.32	107	52513	41.135	ng	# 4
19) n-Nitroso-di-n-propylamine	9.25	70	21870	16.284	ng	# 81
27) 2,4-Dimethylphenol	10.16	122	10640	8.807	ng	# 1
32) Benzoic acid	10.16	122	10640	13.529	ng	91
36) 4-Chloro-3-methylphenol	12.56	107	3803	2.198	ng	# 24
48) 2-Nitroaniline	13.88	65	27913	20.697	ng	# 1
50) Dimethylphthalate	14.16	163	48365	9.608	ng	99
53) 3-Nitroaniline	14.62	138	13188	12.611	ng	# 6
55) Dibenzofuran	15.20	168	77368	13.561	ng	# 47
56) 4-Nitrophenol	14.90	139	150	3.397	ng	# 78
63) Azobenzene	16.07	77	12048	2.639	ng	# 1
67) 4-Bromophenyl-phenylether	16.20	248	6812	3.989	ng	# 1
73) Carbazole	17.94	167	39856	6.562	ng	# 65
84) Bis(2-ethylhexyl)phthalate	21.58	149	67898	14.429	ng	# 98
88) Benzo(b)fluoranthene	24.09	252	48478	5.282	ng	# 1
89) Benzo(k)fluoranthene	24.09	252	48478	5.332	ng	# 1

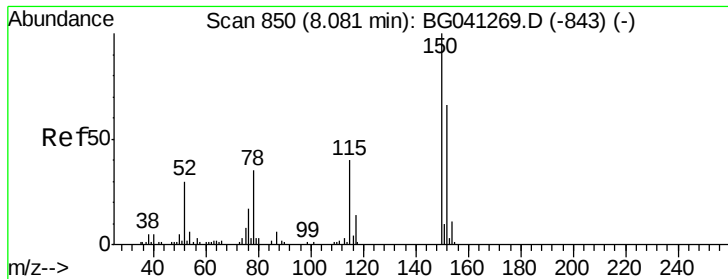
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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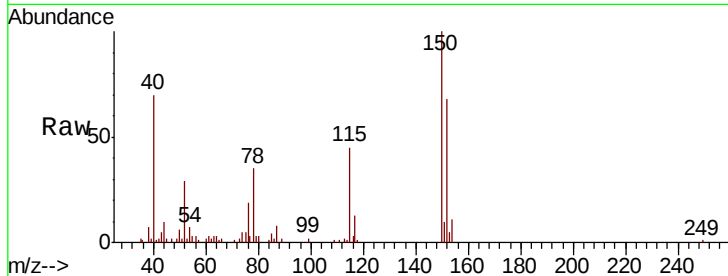


#1

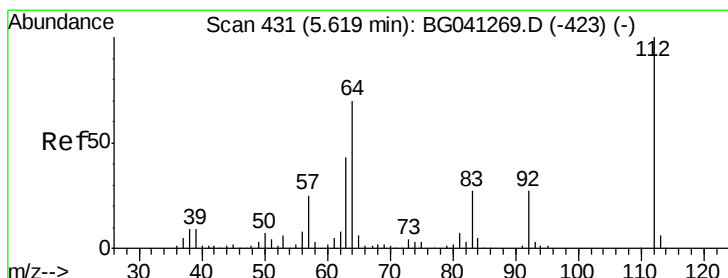
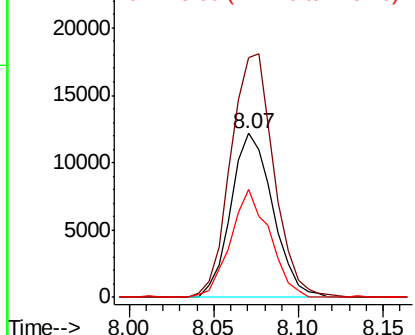
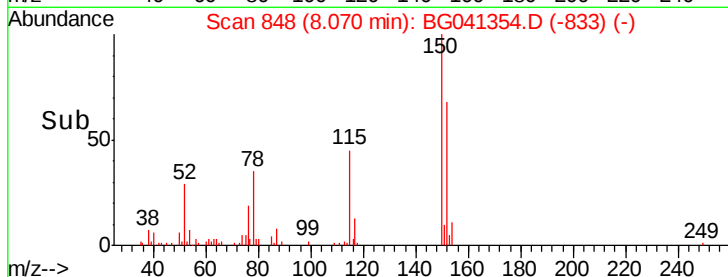
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 21049
Ion Ratio Lower Upper
152 100
150 146.3 120.6 181.0
115 65.7 47.9 71.9



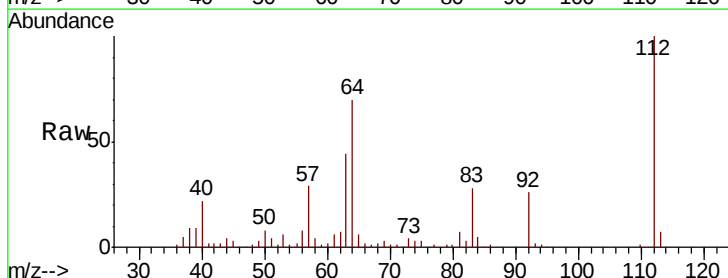
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



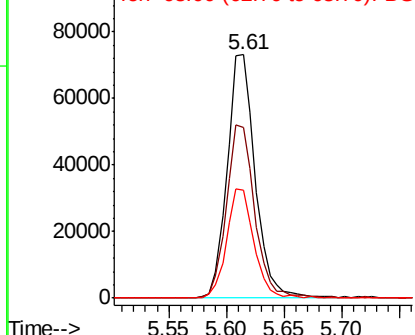
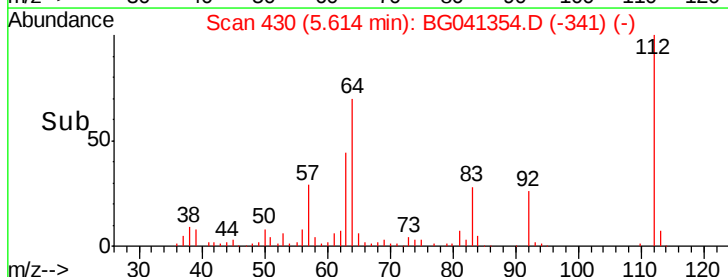
#5

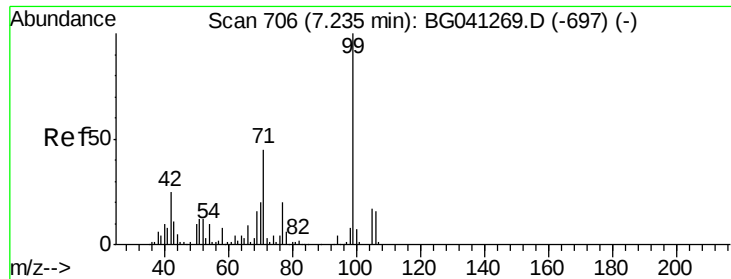
2-Fluorophenol
Concen: 107.447 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

Tgt Ion:112 Resp: 123089
Ion Ratio Lower Upper
112 100
64 70.3 55.9 83.9
63 44.4 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.594 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampled :

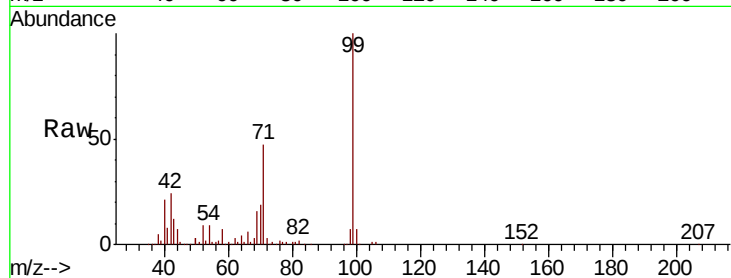
Tot Ion: 99 Resp: 193607

Ion Ratio Lower Upper

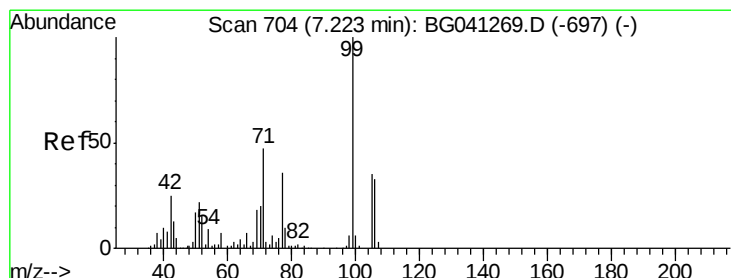
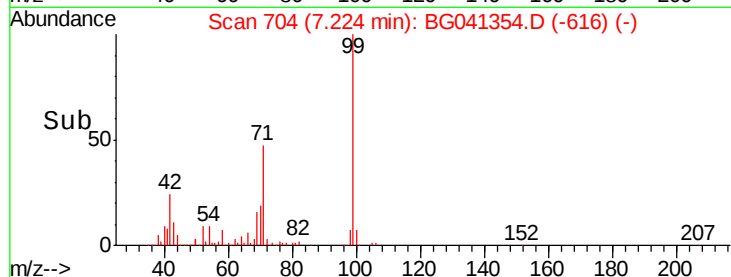
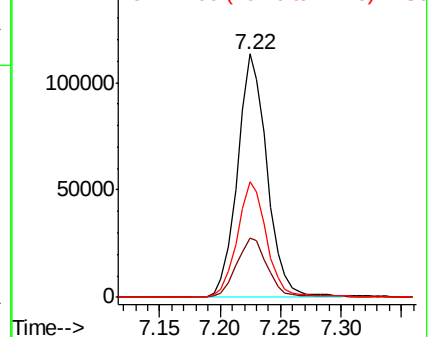
99 100

42 24.4 19.9 29.9

71 47.3 36.4 54.6



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: 2.063 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

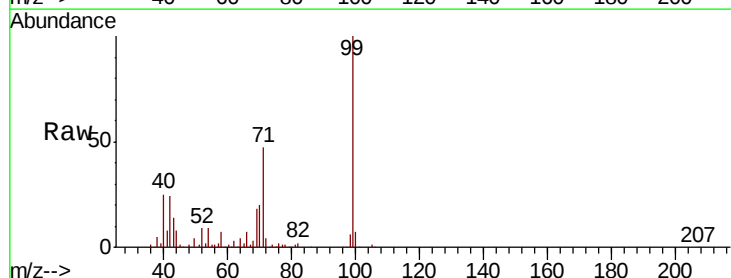
Tgt Ion: 77 Resp: 2191

Ion Ratio Lower Upper

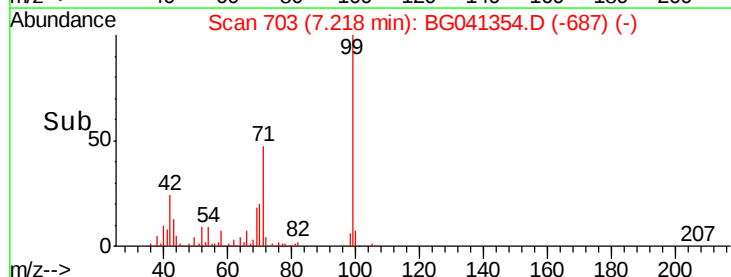
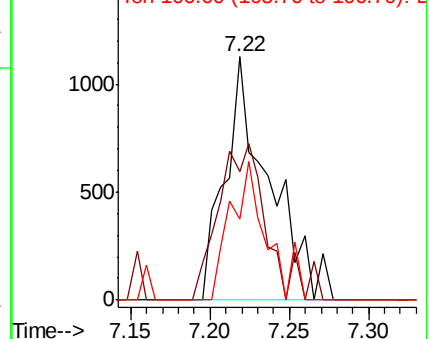
77 100

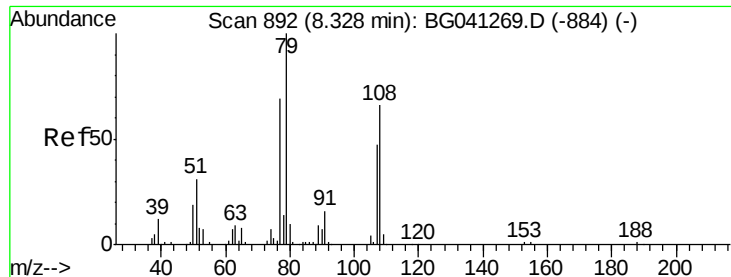
105 52.5 78.7 118.7#

106 33.5 71.1 111.1#



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





#15

Benzyl Alcohol

Concen: 73.870 ng

RT: 8.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

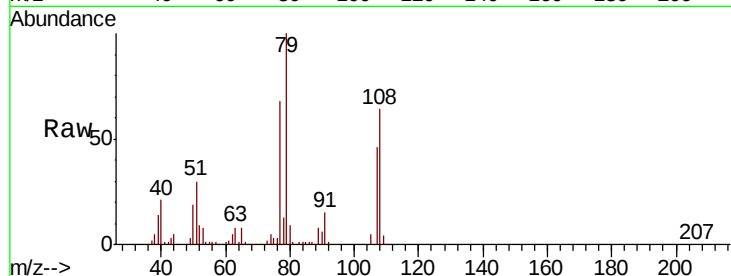
Tot Ion: 79 Resp: 117524

Ion Ratio Lower Upper

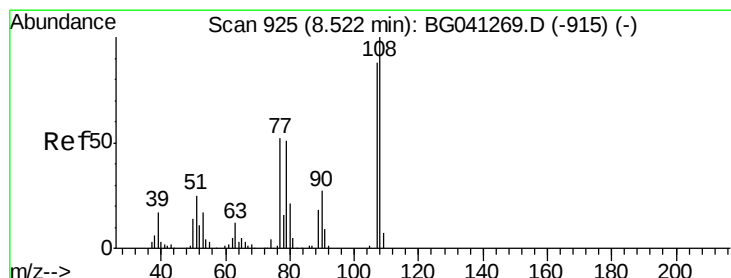
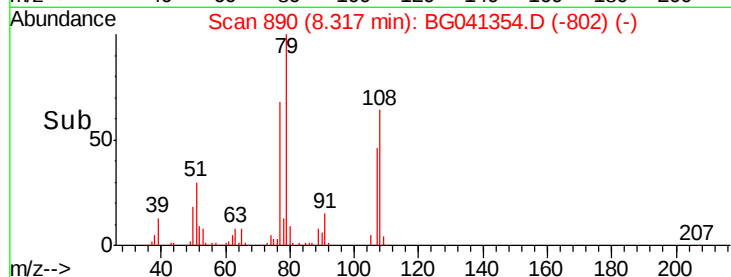
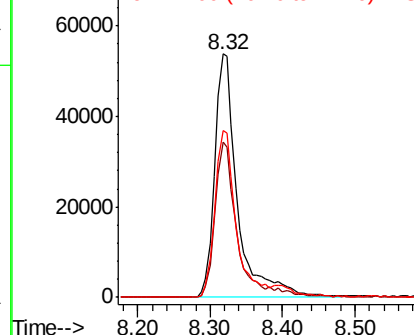
79 100

108 63.5 52.7 79.1

77 68.3 55.2 82.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#17

2-Methylphenol

Concen: 41.135 ng

RT: 8.32 min Scan# 890

Delta R.T. -0.20 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Tgt Ion: 107 Resp: 52513

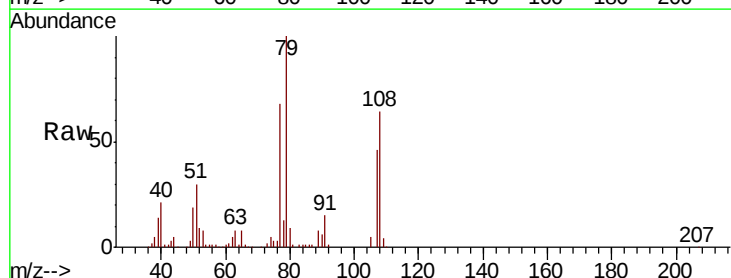
Ion Ratio Lower Upper

107 100

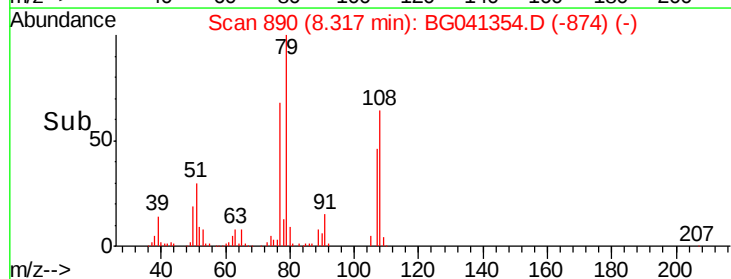
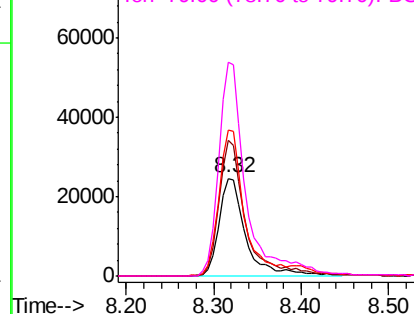
108 139.0 91.7 137.5#

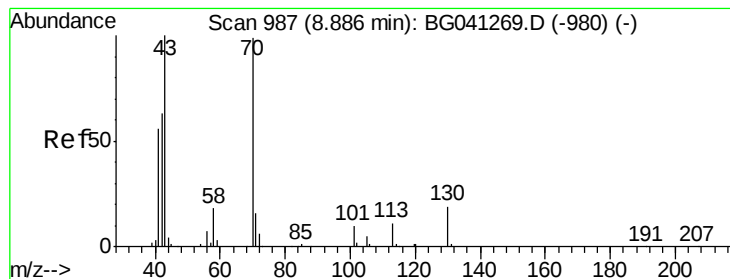
77 149.4 47.8 71.8#

79 218.8 46.8 70.2#



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





#19

n-Nitroso-di-n-propylamine

Concen: 16.284 ng

RT: 9.25 min Scan# 1049

Delta R.T. 0.37 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21870

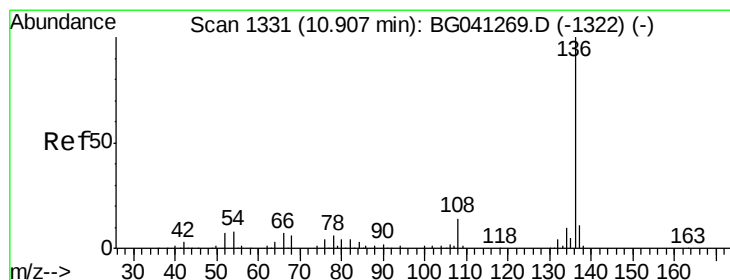
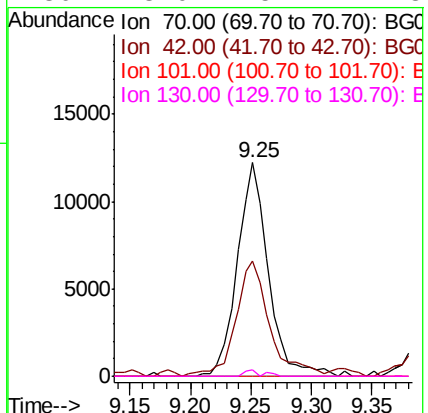
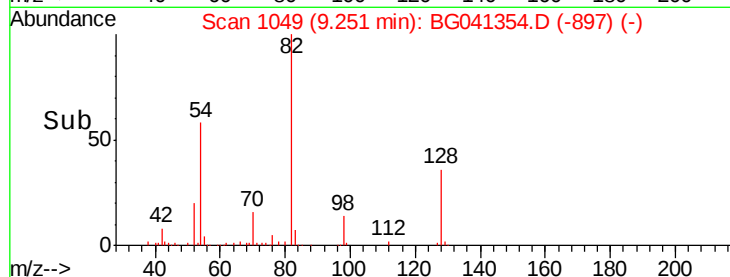
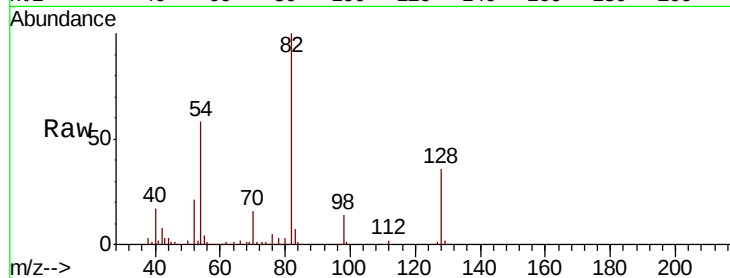
Ion Ratio Lower Upper

70 100

42 54.0 51.4 77.2

101 0.0 8.2 12.2#

130 3.0 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Tgt Ion: 136 Resp: 83130

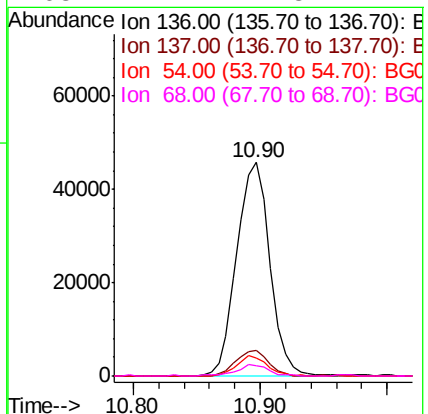
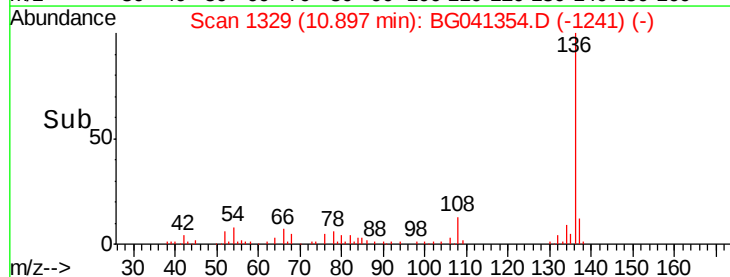
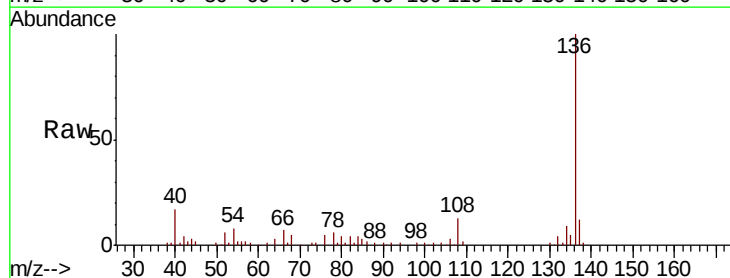
Ion Ratio Lower Upper

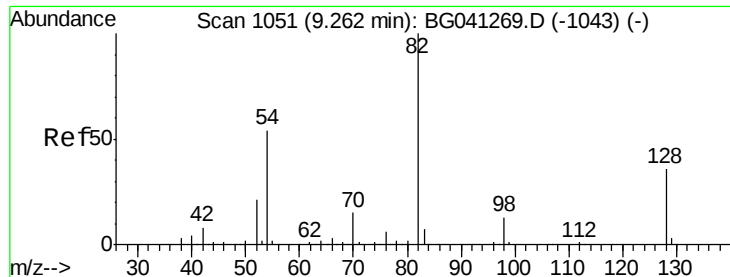
136 100

137 12.2 8.8 13.2

54 8.4 6.4 9.6

68 4.7 4.8 7.2#

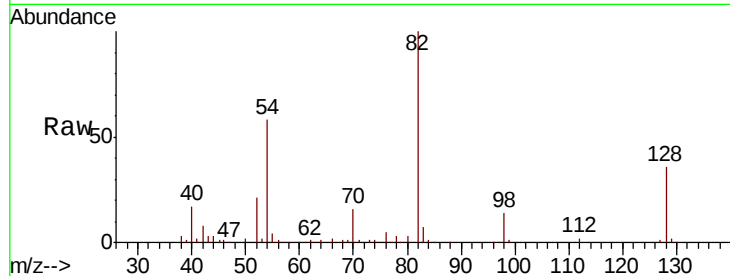




#23
 Nitrobenzene-d5
 Concen: 70.501 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	139356
Ion Ratio	100	Lower	Upper
128	36.0	29.2	43.8
54	58.1	43.4	65.0

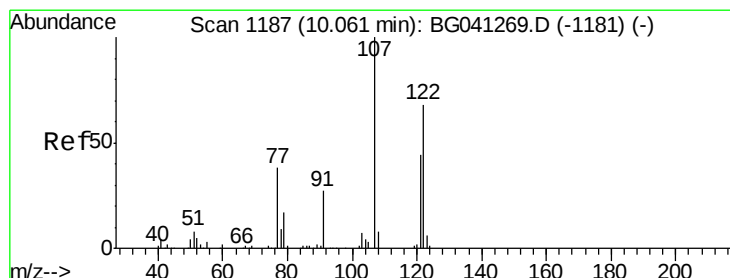
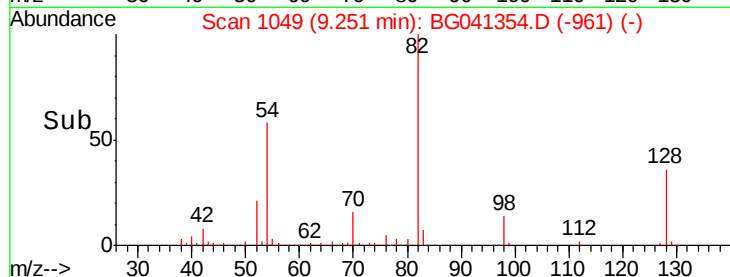
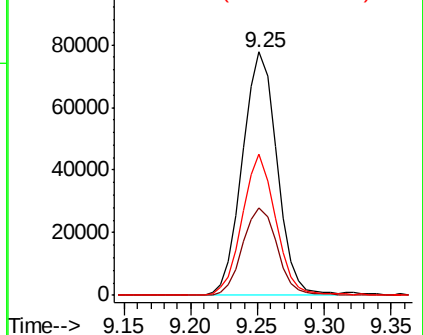


Abundance

Ion 82.00 (81.70 to 82.70): BGC

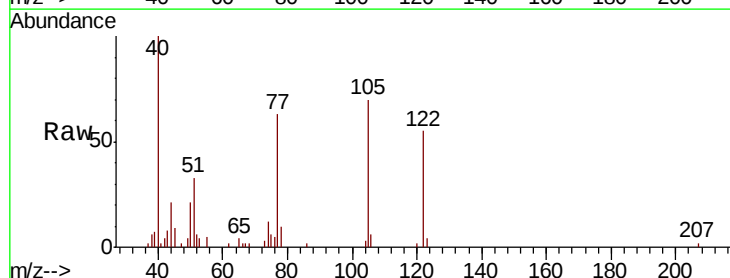
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#27
 2,4-Dimethylphenol
 Concen: 8.807 ng
 RT: 10.16 min Scan# 1203
 Delta R.T. 0.10 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Tgt Ion	122	Resp	10640
Ion Ratio	100	Lower	Upper
107	0.0	115.1	172.7#
121	0.0	50.1	75.1#

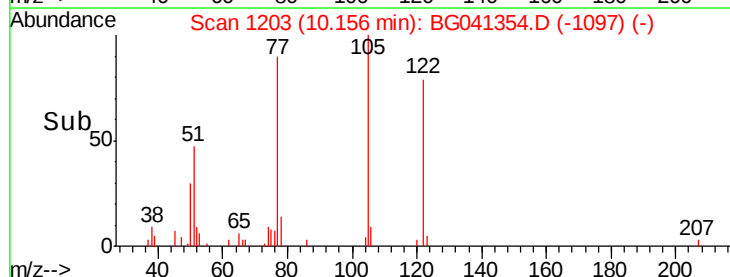
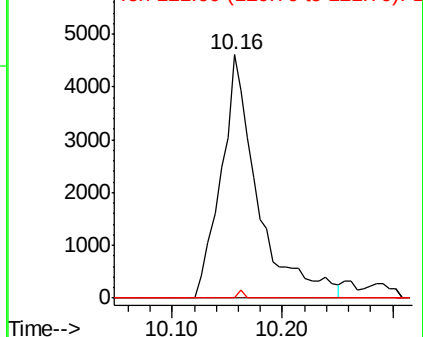


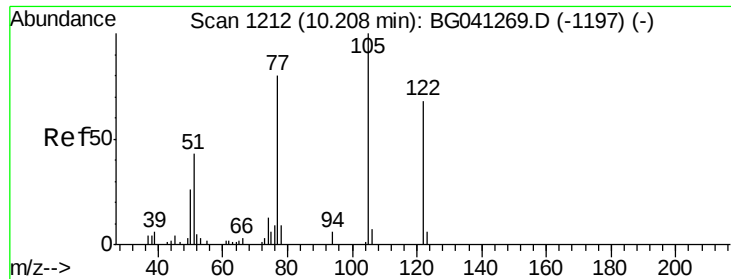
Abundance

Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC

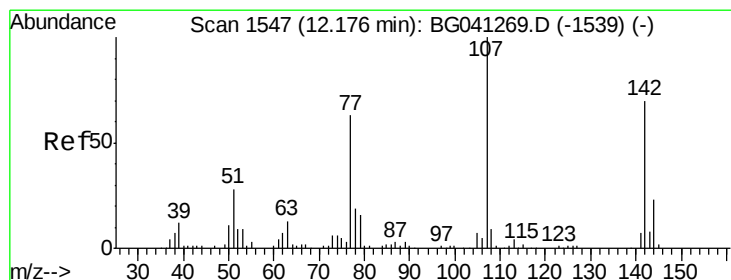
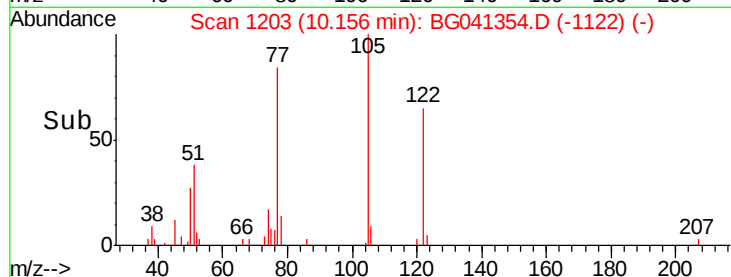
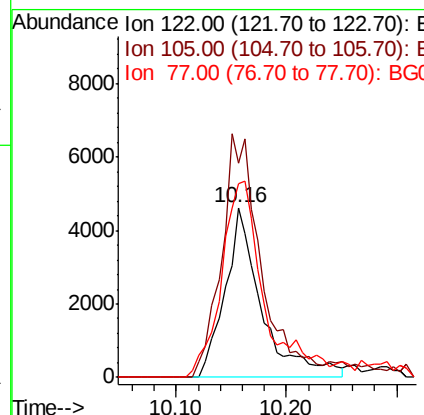
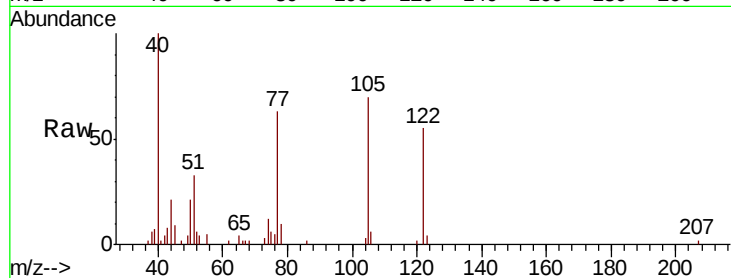




#32
Benzoic acid
Concen: 13.529 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.05 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

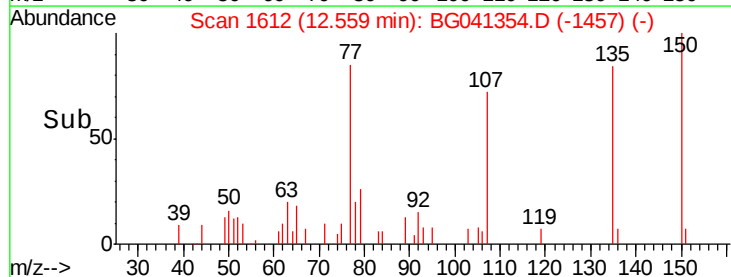
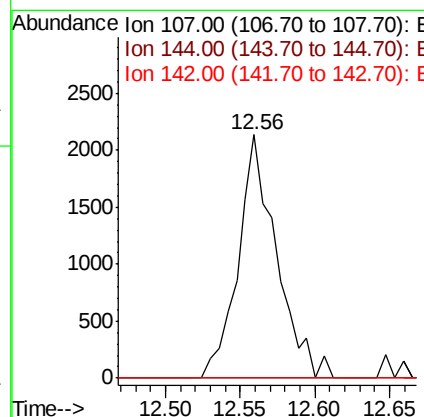
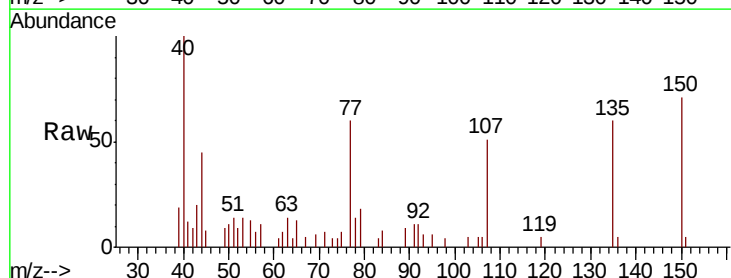
Instrument :
BNA_G
ClientSampleId :

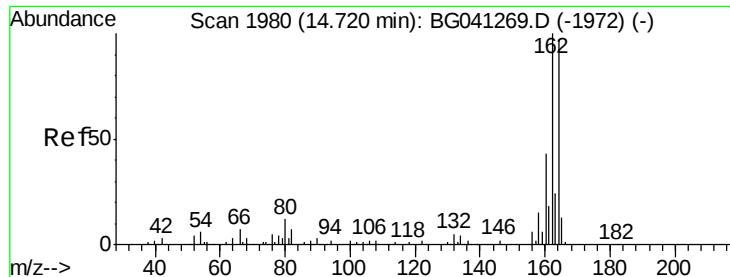
Tot Ion:122 Resp: 10640
Ion Ratio Lower Upper
122 100
105 126.8 124.2 164.2
77 114.0 97.2 137.2



#36
4-Chloro-3-methylphenol
Concen: 2.198 ng
RT: 12.56 min Scan# 1612
Delta R.T. 0.38 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

Tgt Ion:107 Resp: 3803
Ion Ratio Lower Upper
107 100
144 0.0 18.5 27.7#
142 0.0 56.3 84.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampled :

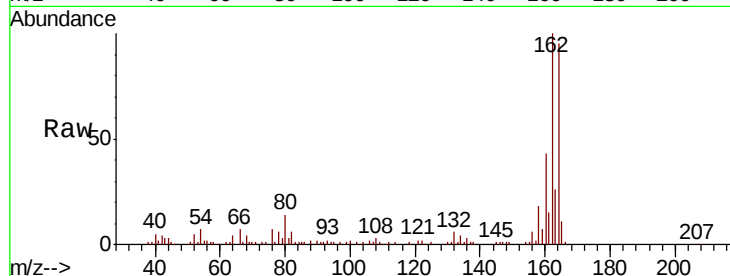
Tot Ion:164 Resp: 56576

Ion Ratio Lower Upper

164 100

162 104.8 82.8 124.2

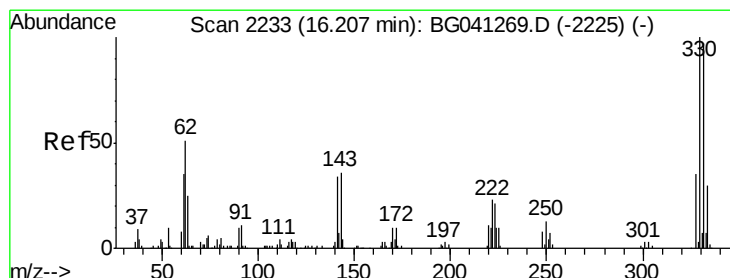
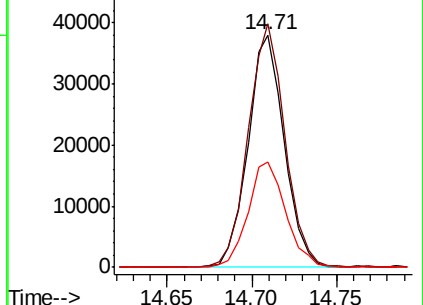
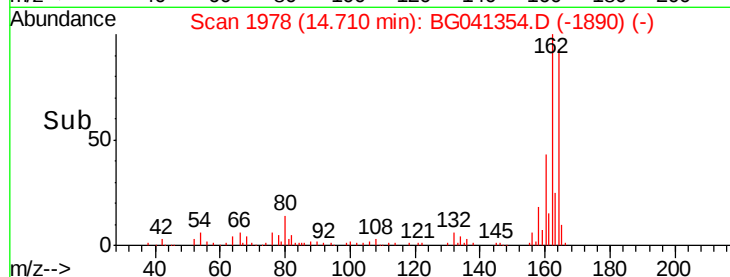
160 45.4 35.8 53.8



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: 108.605 ng

RT: 16.20 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

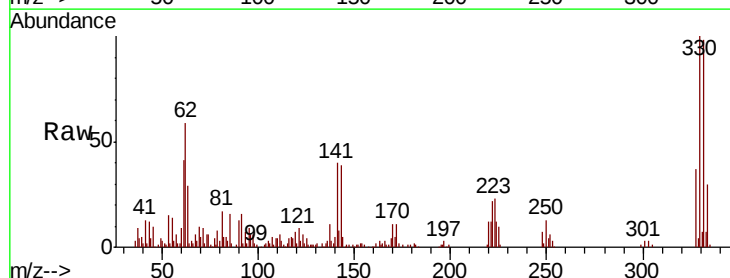
Tgt Ion:330 Resp: 94331

Ion Ratio Lower Upper

330 100

332 96.5 75.5 113.3

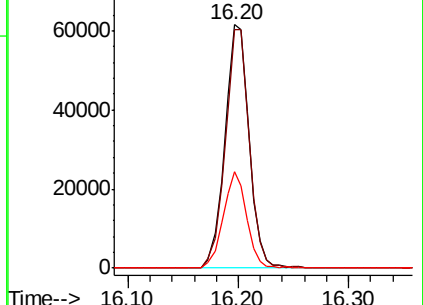
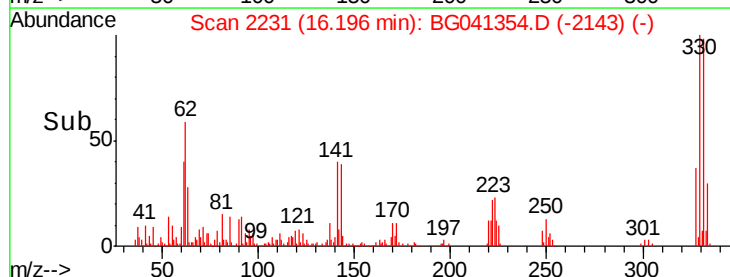
141 38.0 29.0 43.4

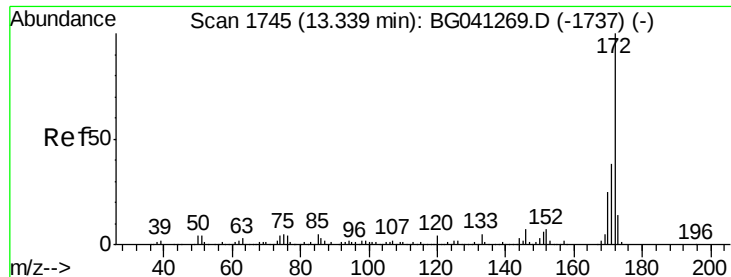


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

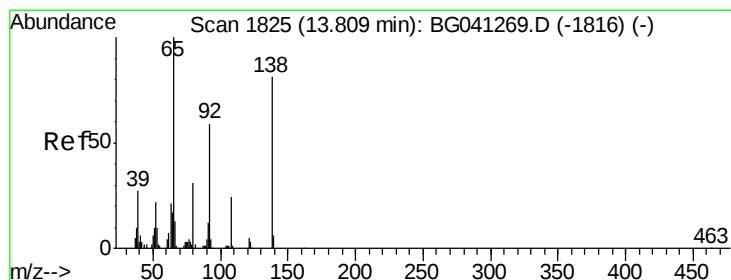
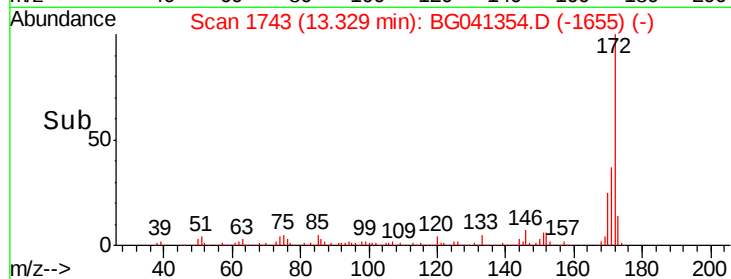
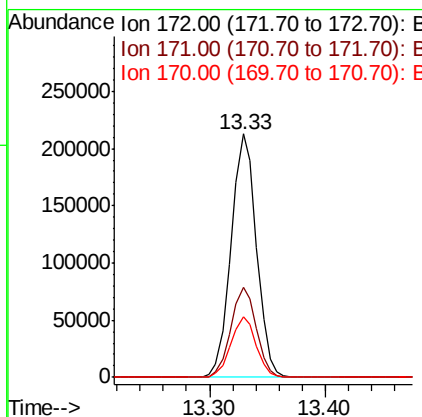
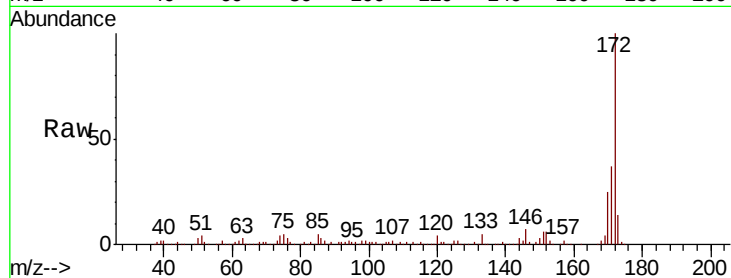




#45
 2-Fluorobiphenyl
 Concen: 77.438 ng
 RT: 13.33 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

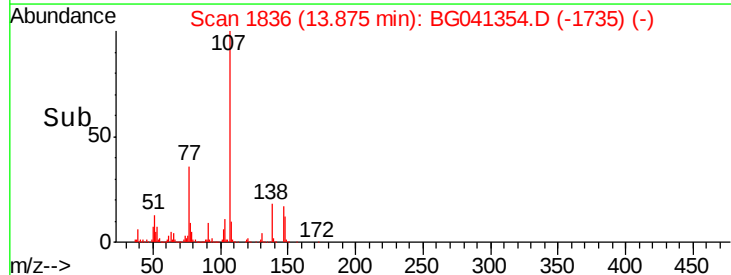
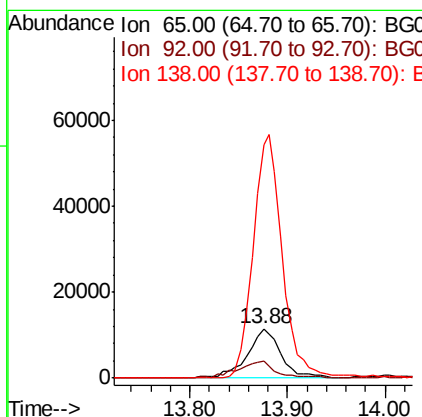
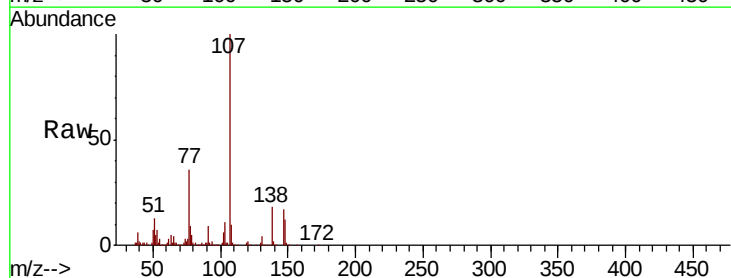
Instrument :
 BNA_G
 ClientSampleId :

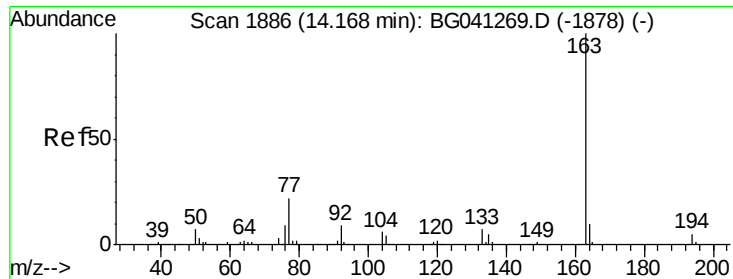
Tot Ion:172 Resp: 322343
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.7 19.8 29.6



#48
 2-Nitroaniline
 Concen: 20.697 ng
 RT: 13.88 min Scan# 1836
 Delta R.T. 0.07 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Tgt Ion: 65 Resp: 27913
 Ion Ratio Lower Upper
 65 100
 92 34.5 47.4 71.2#
 138 471.4 64.7 97.1#

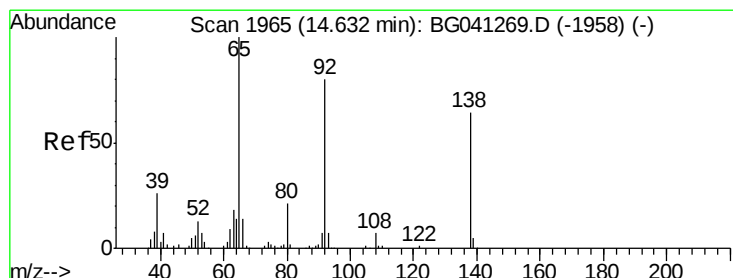
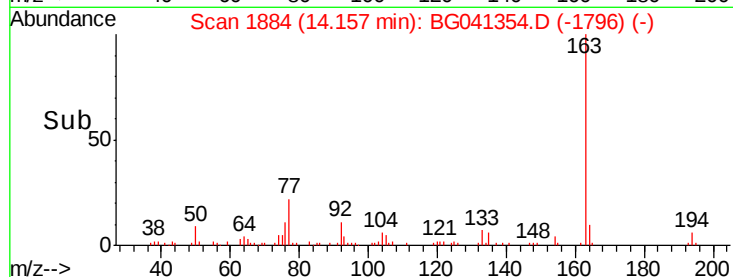
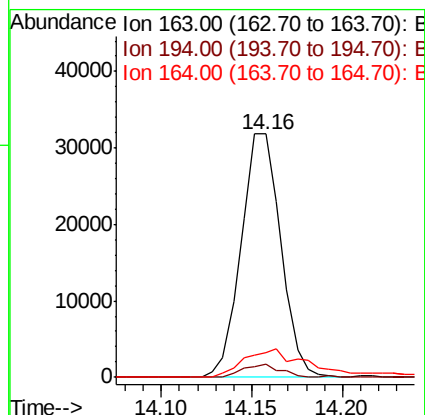
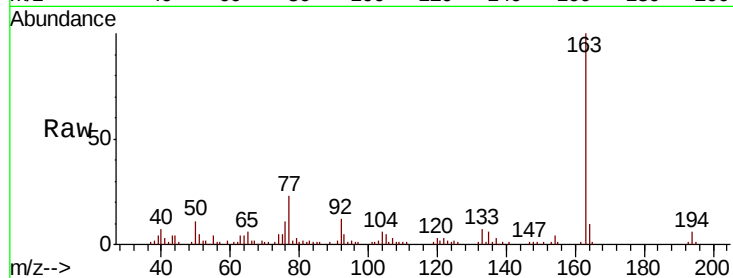




#50
Dimethylphthalate
Concen: 9.608 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

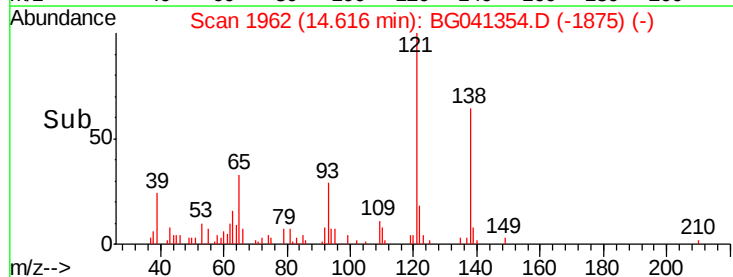
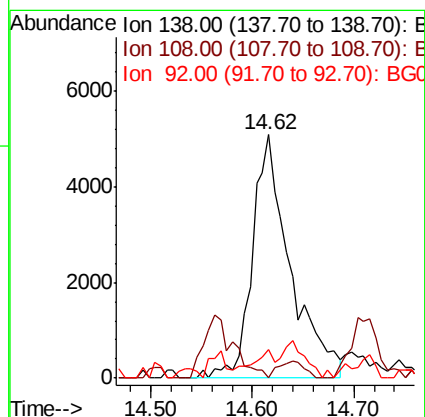
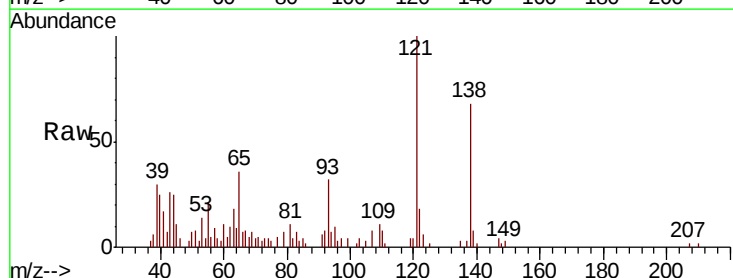
Instrument :
BNA_G
ClientSampleId :

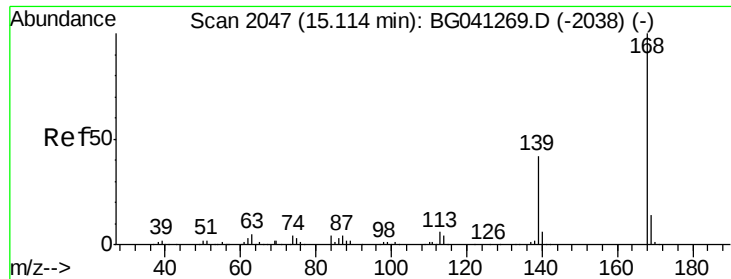
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.9	5.9
164	10.2	8.3	12.5



#53
3-Nitroaniline
Concen: 12.611 ng
RT: 14.62 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BG041354.D
Acq: 20 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	8.3	12.5#
92	11.8	100.2	150.4#





#55

Dibenzenofuran

Concen: 13.561 ng

RT: 15.20 min Scan# 2062

Delta R.T. 0.09 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

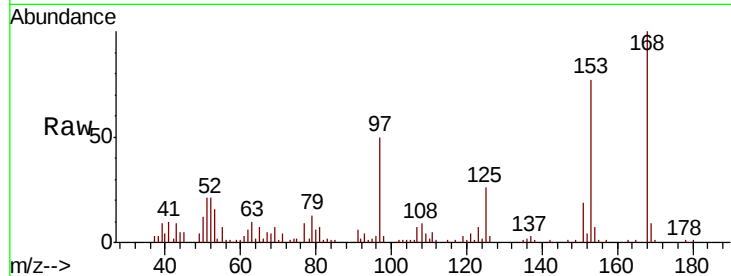
Tot Ion:168 Resp: 77368

Ion Ratio Lower Upper

168 100

139 0.0 33.6 50.4#

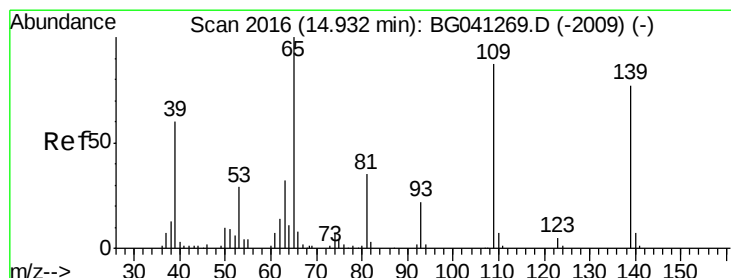
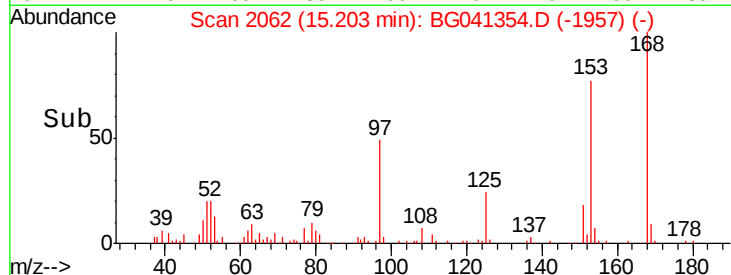
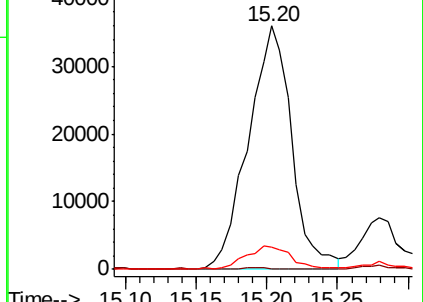
169 9.1 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.397 ng

RT: 14.90 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

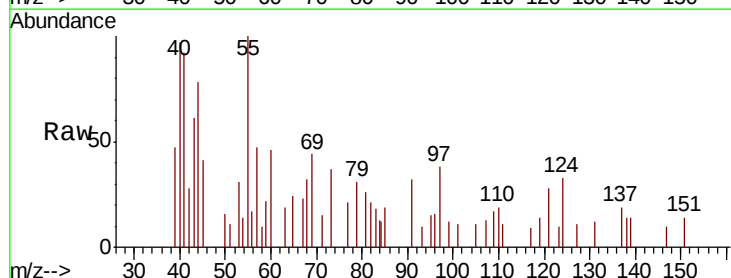
Tgt Ion:139 Resp: 150

Ion Ratio Lower Upper

139 100

109 123.1 93.2 133.2

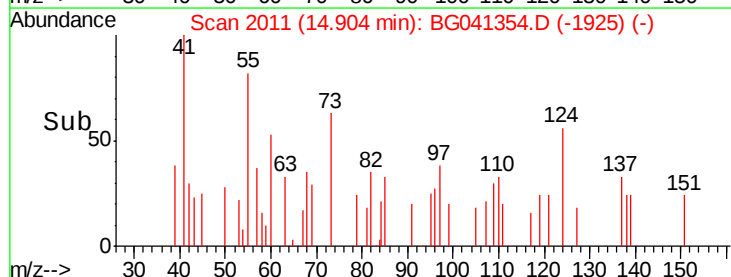
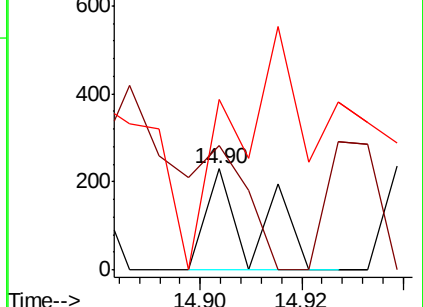
65 169.0 110.2 150.2#

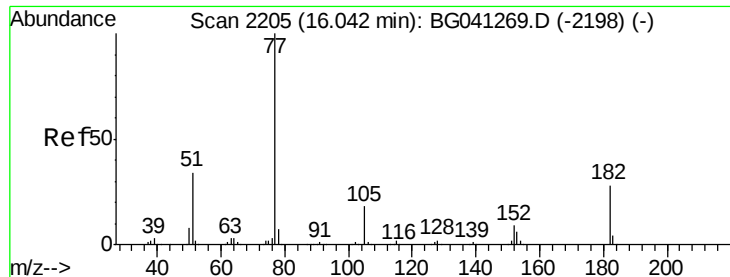


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#63

Azobenzene

Concen: 2.639 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.03 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 12048

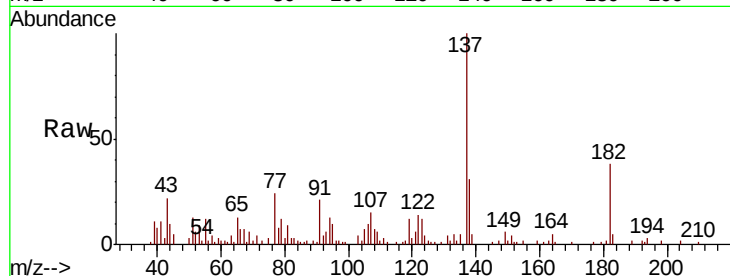
Ion Ratio Lower Upper

77 100

182 160.4 7.5 47.5#

105 29.9 0.0 37.7

51 52.8 14.6 54.6

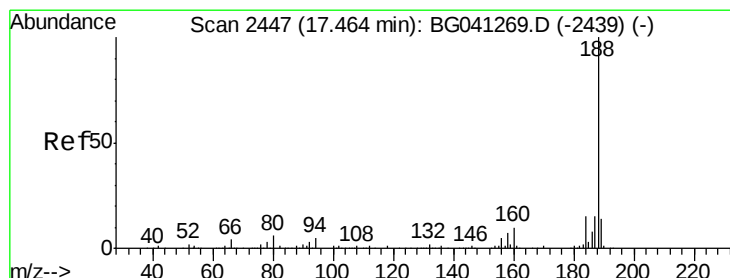
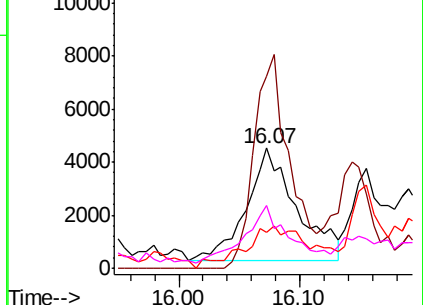
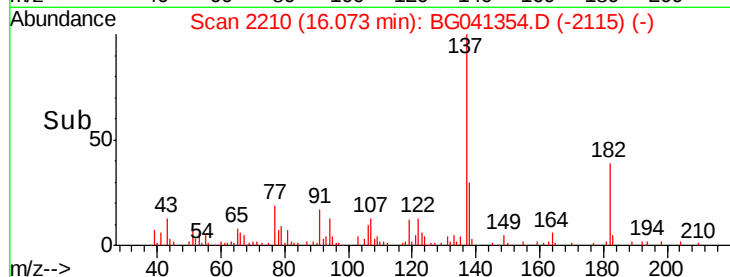


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

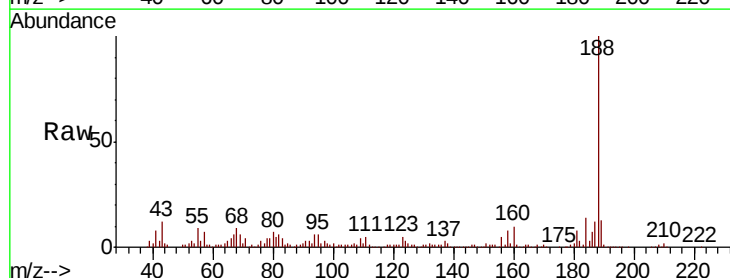
Tgt Ion: 188 Resp: 132058

Ion Ratio Lower Upper

188 100

94 5.8 3.6 5.4#

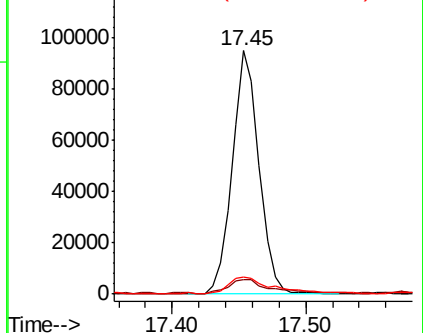
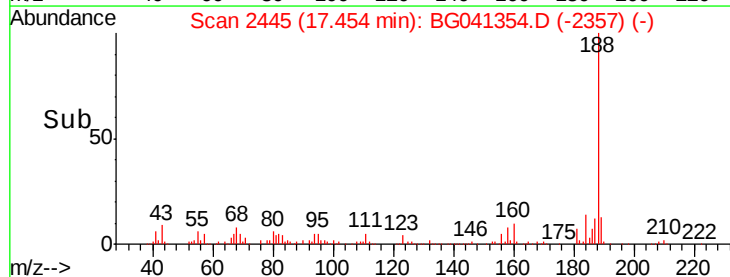
80 6.8 4.8 7.2

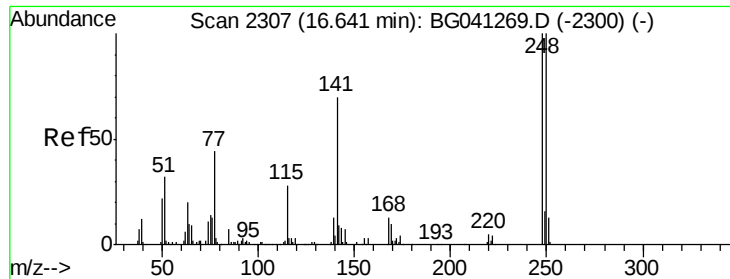


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

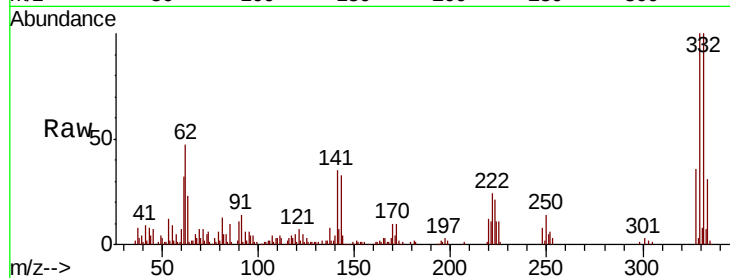




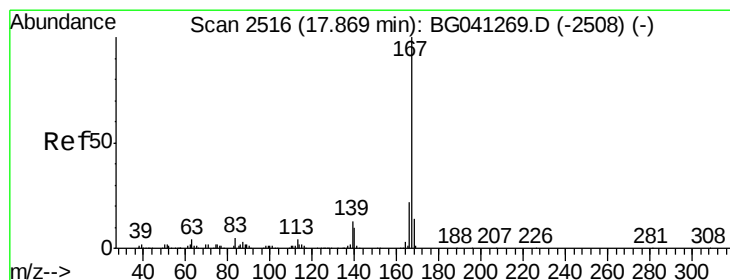
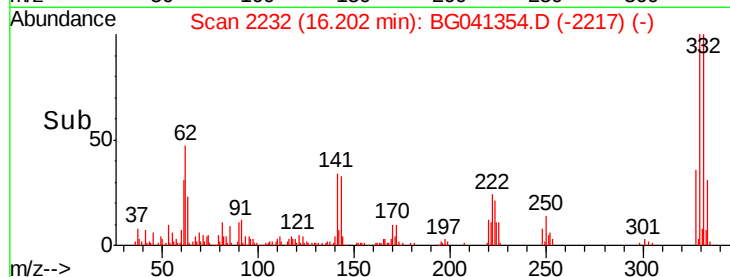
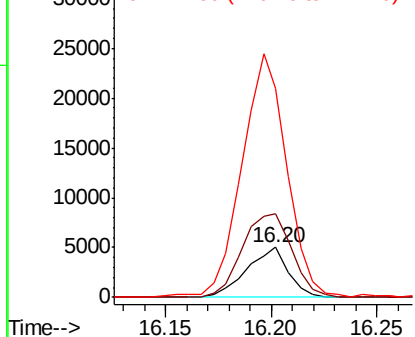
#67
 4-Bromophenyl-phenylether
 Concen: 3.989 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.44 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 6812
 Ion Ratio Lower Upper
 248 100
 250 168.3 79.8 119.8#
 141 419.2 55.8 83.6#

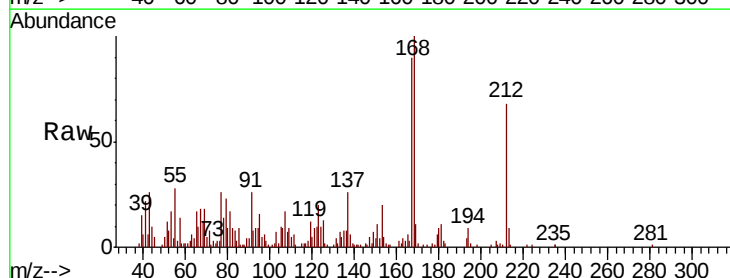


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

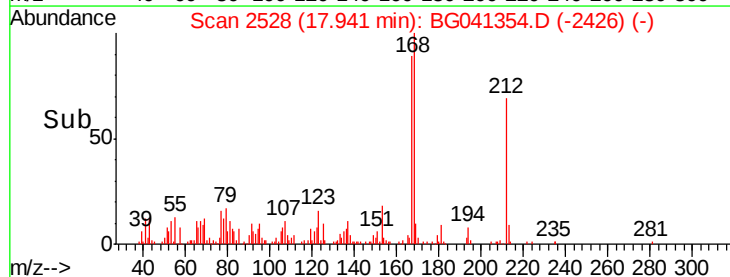
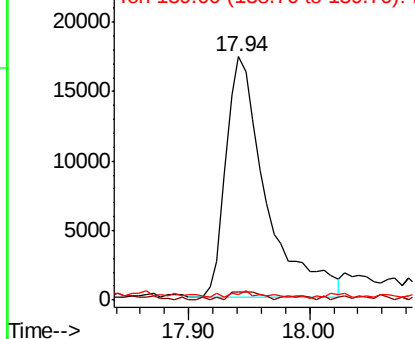


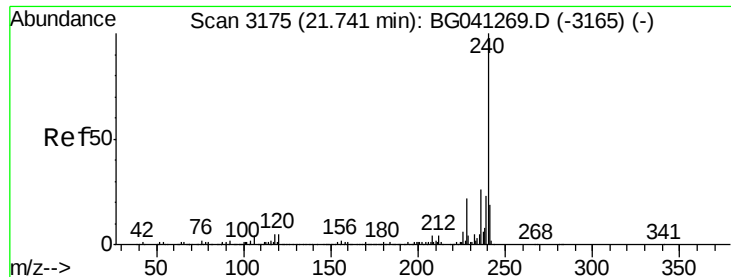
#73
 Carbazole
 Concen: 6.562 ng
 RT: 17.94 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Tgt Ion:167 Resp: 39856
 Ion Ratio Lower Upper
 167 100
 166 3.3 17.9 26.9#
 139 2.1 10.7 16.1#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

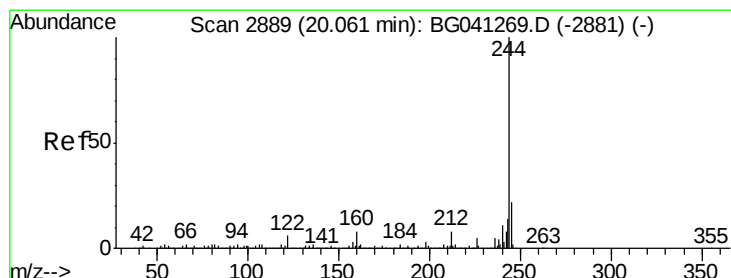
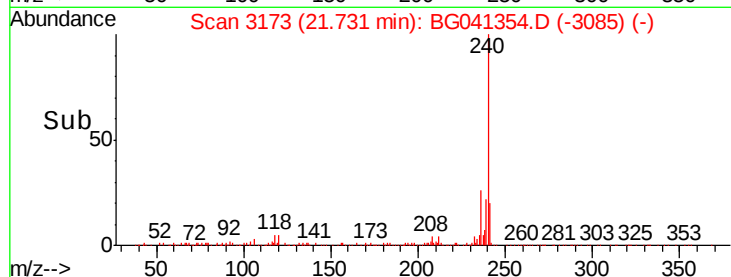
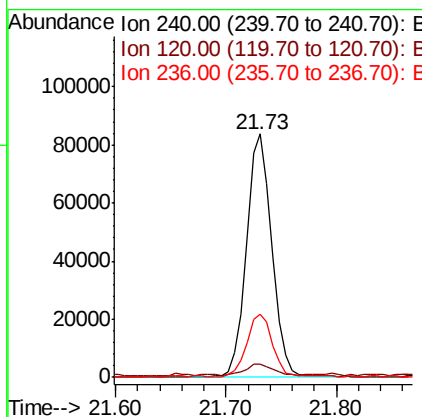
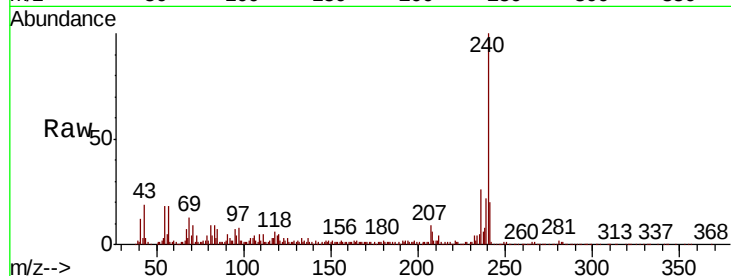




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

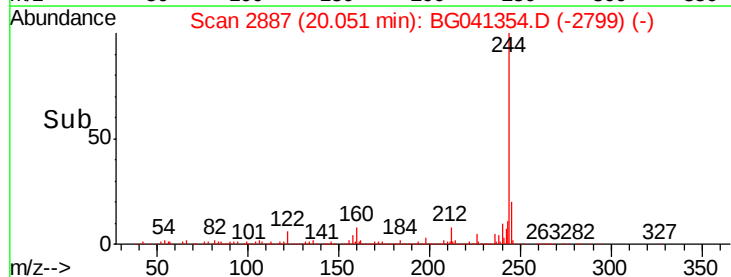
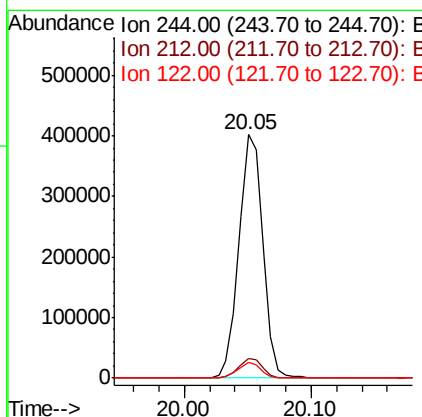
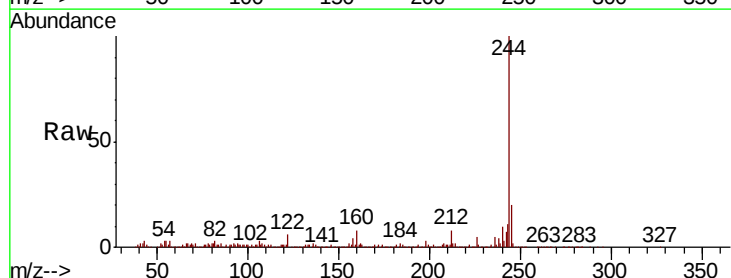
Instrument :
 BNA_G
 ClientSampled :

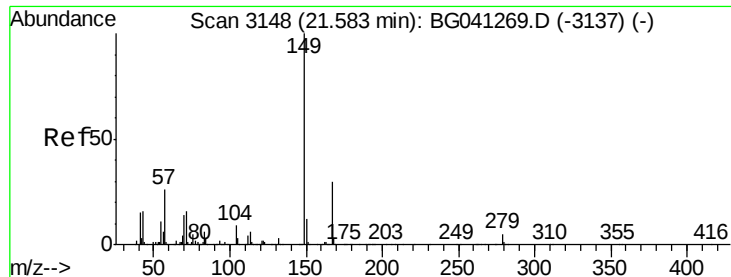
Tot Ion:240 Resp: 135361
 Ion Ratio Lower Upper
 240 100
 120 5.5 3.7 5.5
 236 25.9 21.1 31.7



#79
 Terphenyl-d14
 Concen: 76.600 ng
 RT: 20.05 min Scan# 2887
 Delta R.T. -0.01 min
 Lab File: BG041354.D
 Acq: 20 Jun 2019 13:17

Tgt Ion:244 Resp: 523192
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 6.3 5.0 7.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.429 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

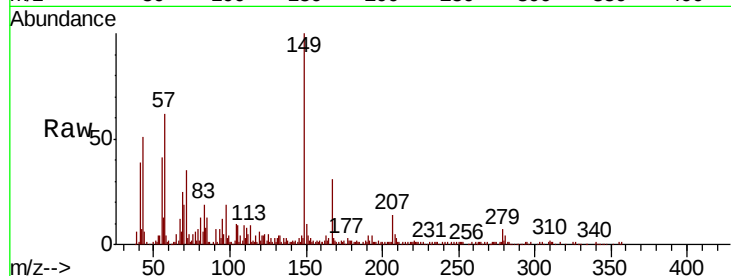
Tot Ion:149 Resp: 67898

Ion Ratio Lower Upper

149 100

167 30.7 23.8 35.8

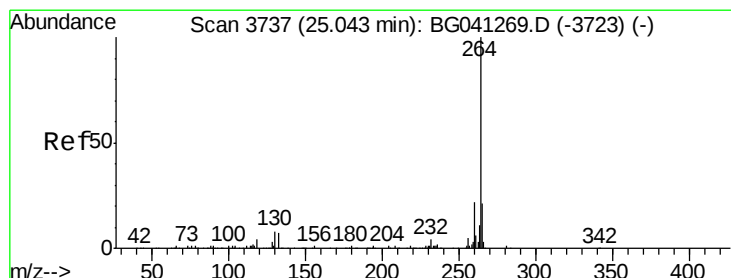
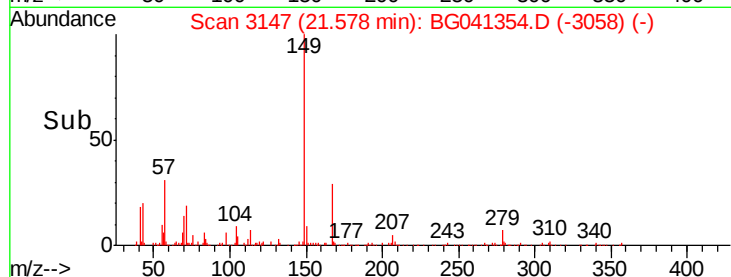
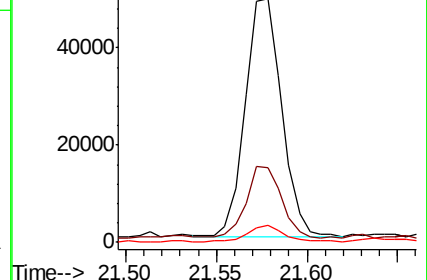
279 6.8 4.4 6.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

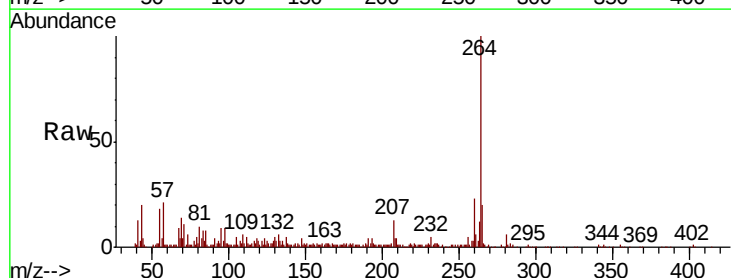
Tgt Ion:264 Resp: 148087

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.2

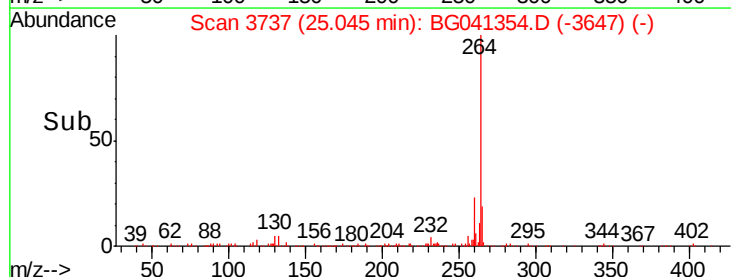
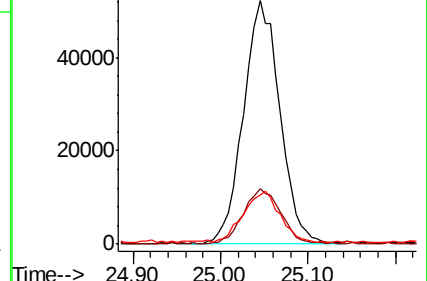
265 20.1 17.2 25.8

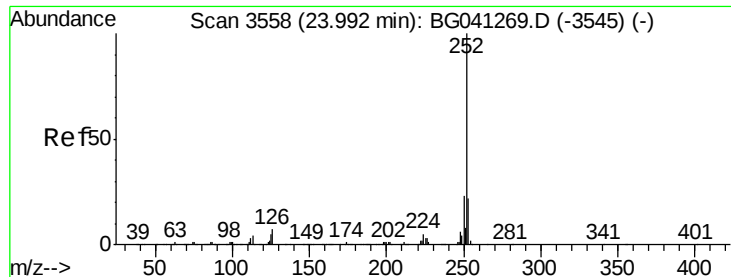


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.282 ng

RT: 24.09 min Scan# 3575

Delta R.T. 0.10 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Instrument :

BNA_G

ClientSampleId :

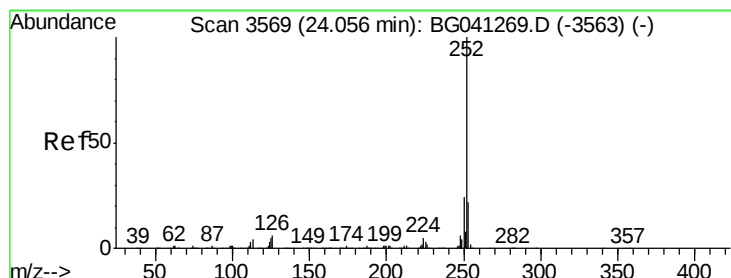
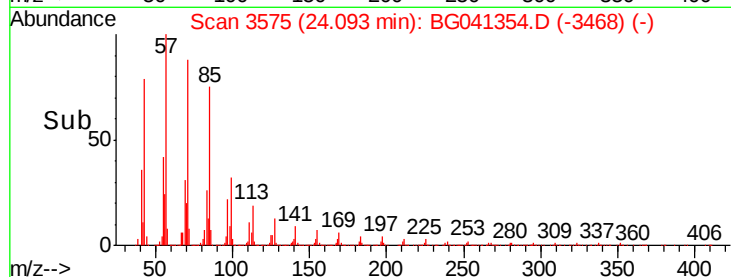
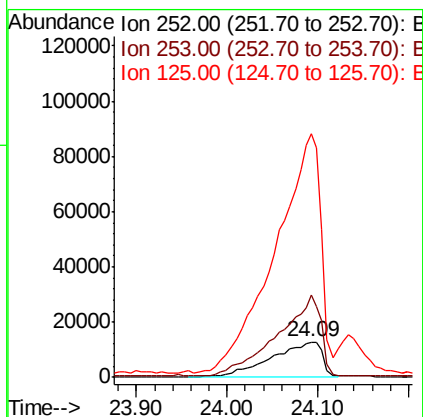
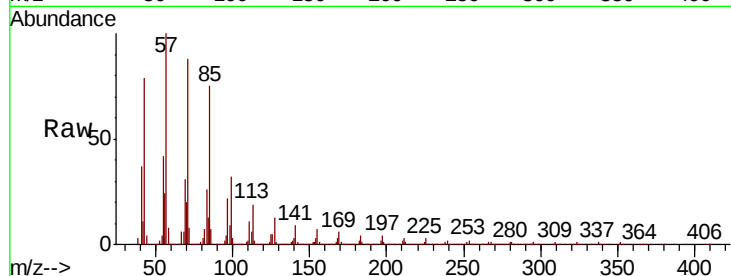
Tot Ion:252 Resp: 48478

Ion Ratio Lower Upper

252 100

253 233.6 17.4 26.0#

125 686.6 3.9 5.9#



#89

Benzo(k)fluoranthene

Concen: 5.332 ng

RT: 24.09 min Scan# 3575

Delta R.T. 0.04 min

Lab File: BG041354.D

Acq: 20 Jun 2019 13:17

Tgt Ion:252 Resp: 48478

Ion Ratio Lower Upper

252 100

253 233.6 18.0 27.0#

125 686.6 4.3 6.5#

