

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
 Data File : BG025252.D
 Acq On : 16 Dec 2016 23:53
 Operator : UM/SJ
 Sample : H6040-07MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MS

Quant Time: Dec 17 01:14:23 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	74995	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	301953	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	217388	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	451358	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	598651	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	622755	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	5905	4.07	ng/uL	0.00
5) Phenol-d5	7.39	99	161073	24.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	96931	24.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	119758	26.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	135623	25.08	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	60826	28.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	76426	28.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	144122	28.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	24755	4.91	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	413587	27.66	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	479983	29.30	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	73831	28.73	ng/ul	0.02
57) Fluorene-d10	15.84	176	377709	26.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	92781	33.25	ng/ul	0.00
70) Anthracene-d10	17.70	188	599177	31.45	ng/ul	0.00
76) Pyrene-d10	19.98	212	685782	27.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	746871	29.60	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.42	94	203242	30.60	ng/ul	96
10) 2-Chlorophenol	7.80	128	121384	26.69	ng/ul#	82
14) Acetophenone	9.07	105	8640	1.05	ng/ul#	64
15) N-Nitroso-di-n-propylamine	9.04	70	120001	25.25	ng/ul	90
28) Naphthalene	11.10	128	28290	2.02	ng/ul#	95
33) 4-Chloro-3-methylphenol	12.34	107	175344	28.58	ng/ul	96
34) 2-Methylnaphthalene	12.70	142	32784	2.96	ng/ul	89
44) Dimethylphthalate	14.29	163	126897	8.64	ng/ul	99
49) Acenaphthene	14.92	153	319994	29.33	ng/ul	97
52) 4-Nitrophenol	15.11	109	86230	27.90	ng/ul	98
53) Dibenzofuran	15.25	168	29609	1.72	ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	134988	28.37	ng/ul#	89
64) N-Nitrosodiphenylamine	16.10	169	17874	1.54	ng/ul#	52
68) Pentachlorophenol	17.26	266	120757	35.03	ng/ul	93
69) Phenanthrene	17.64	178	207941	9.65	ng/ul	96
71) Anthracene	17.73	178	31396	1.42	ng/ul#	61
72) Carbazole	18.01	167	23690	1.28	ng/ul#	90
74) Fluoranthene	19.64	202	156083	6.10	ng/ul	98
77) Pyrene	20.01	202	1093107	37.98	ng/ul#	96
80) Benzo(a)anthracene	21.88	228	189914	6.11	ng/ul#	82
81) Bis(2-ethylhexyl)phthalate	21.73	149	44513	2.87	ng/ul#	70
82) Chrysene	21.95	228	272174	9.36	ng/ul#	84
85) Benzo(b)fluoranthene	24.24	252	191982	6.22	ng/ul#	85

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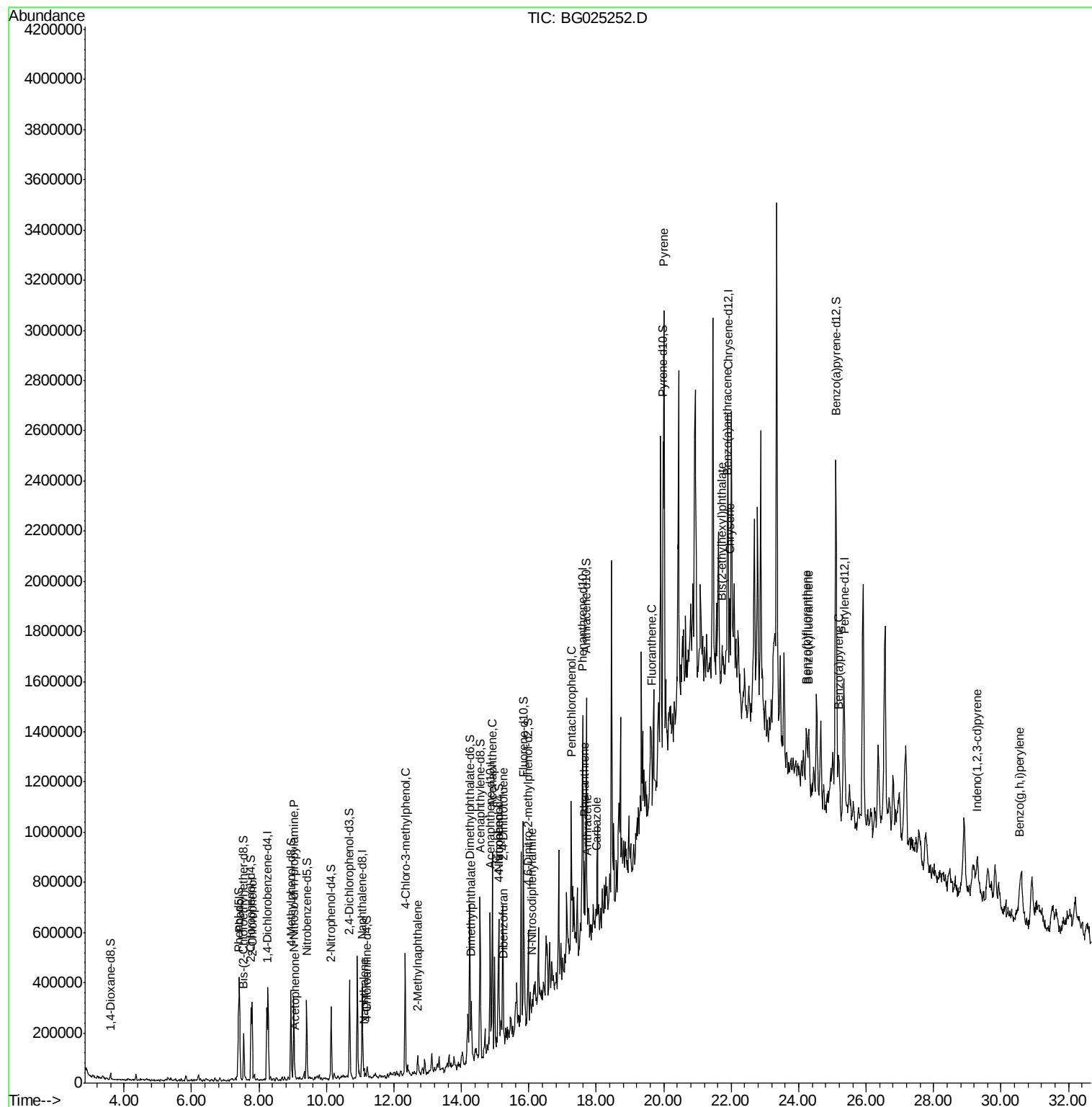
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	24.30	252	54033	1.84	ng/ul#	74
88) Benzo(a)pyrene	25.18	252	163553	5.51	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	29.29	276	86789	2.35	ng/ul#	92
91) Benzo(g,h,i)perylene	30.55	276	104799	3.40	ng/ul#	96

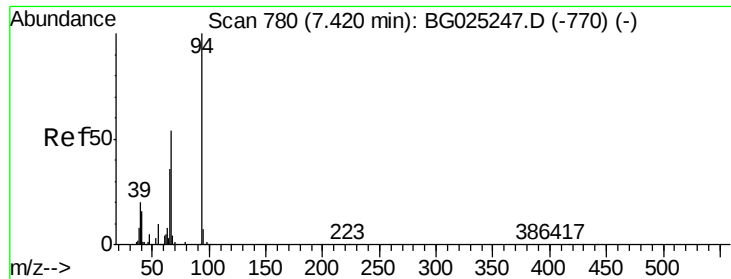
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 30.60 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

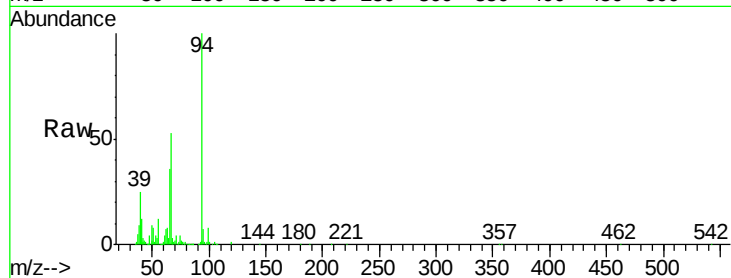
Tgt Ion: 94 Resp: 203242

Ion Ratio Lower Upper

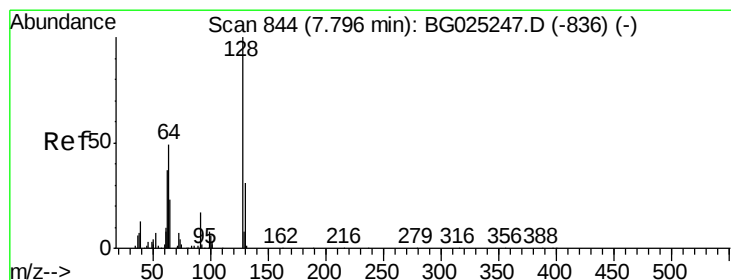
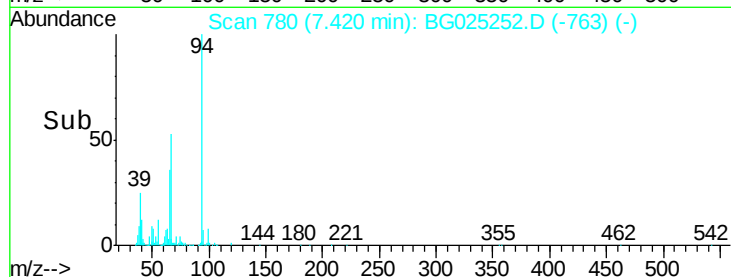
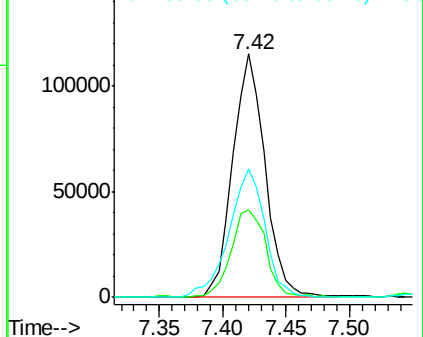
94 100

65 35.8 26.8 40.2

66 52.7 44.4 66.6



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



#10

2-Chlorophenol

Concen: 26.69 ng/ul

RT: 7.80 min Scan# 845

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

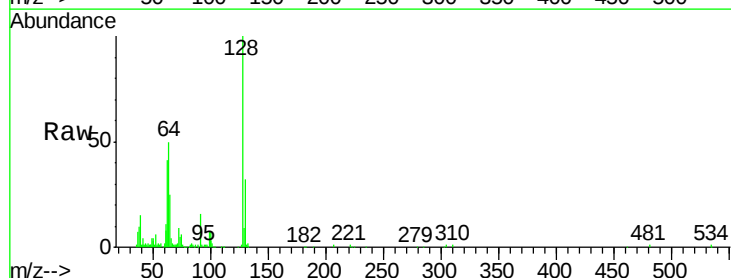
Tgt Ion: 128 Resp: 121384

Ion Ratio Lower Upper

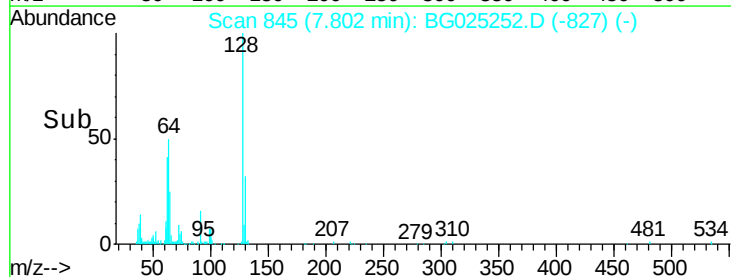
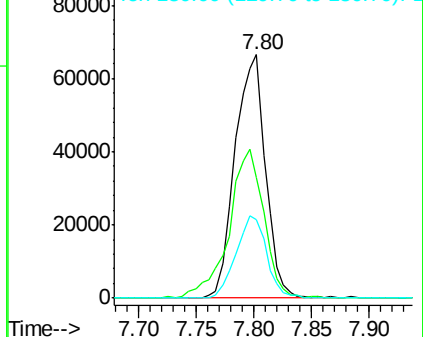
128 100

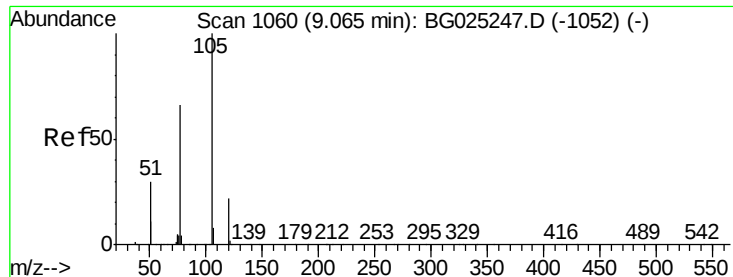
64 49.7 56.3 84.5#

130 32.1 26.7 40.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E





#14

Acetophenone

Concen: 1.05 ng/ul

RT: 9.07 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

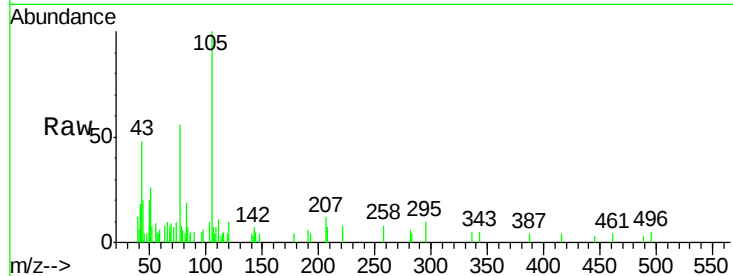
Tgt Ion:105 Resp: 8640

Ion Ratio Lower Upper

105 100

77 55.7 76.0 114.0#

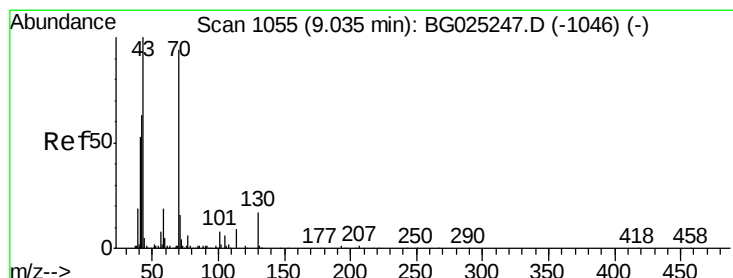
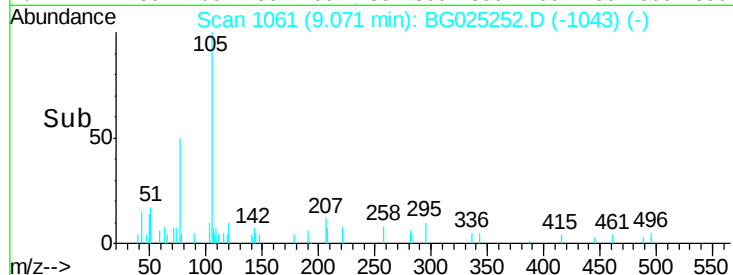
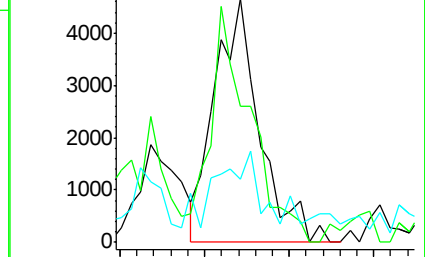
51 25.8 34.8 52.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 25.25 ng/ul

RT: 9.04 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion: 70 Resp: 120001

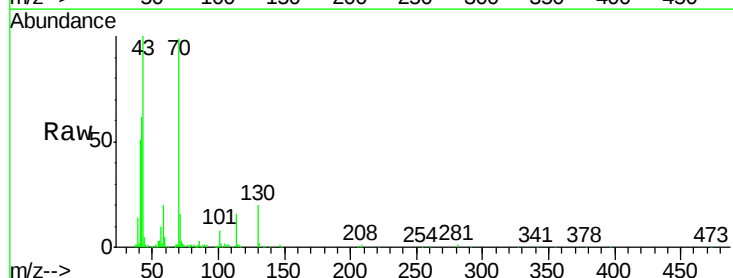
Ion Ratio Lower Upper

70 100

42 62.6 59.0 88.6

101 7.9 6.6 9.8

130 19.7 15.6 23.4

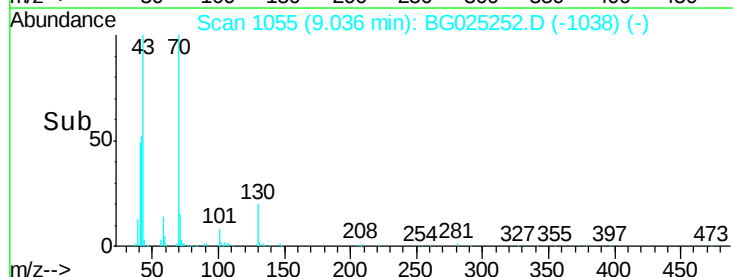
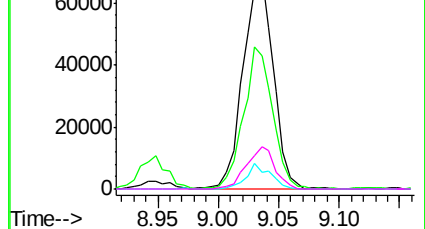


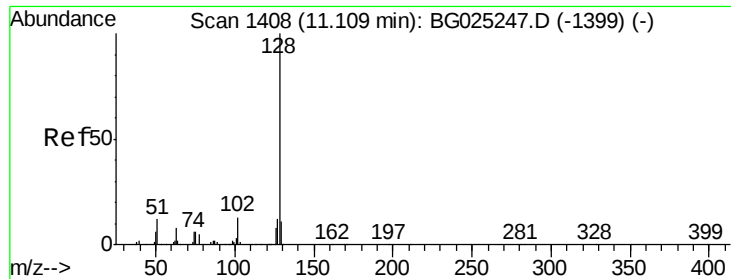
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

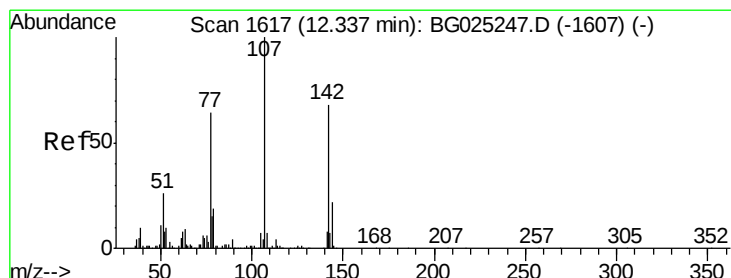
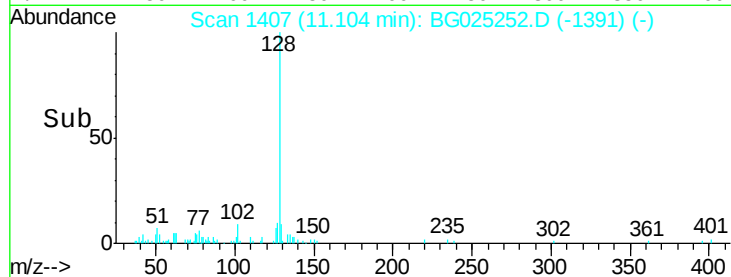
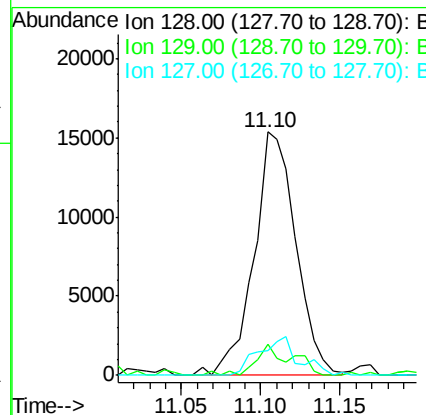
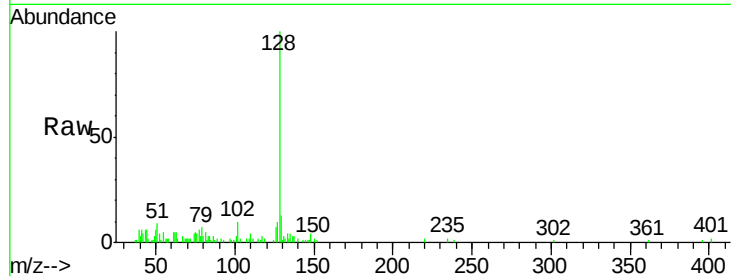




#28
Naphthalene
Concen: 2.02 ng/ul
RT: 11.10 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

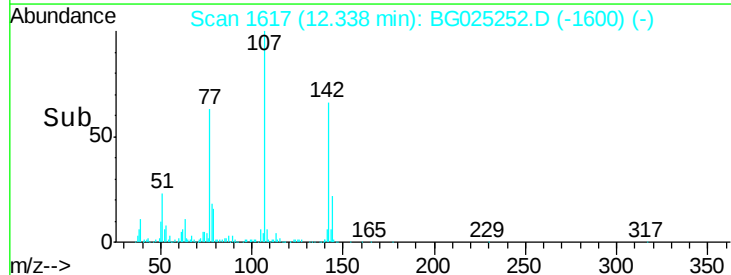
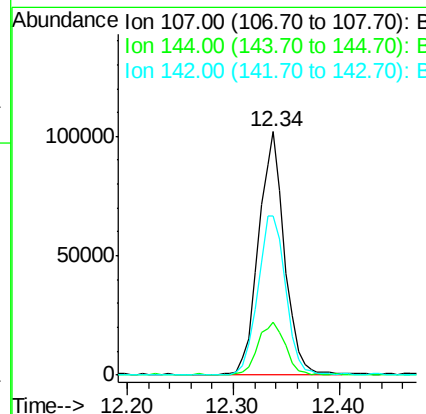
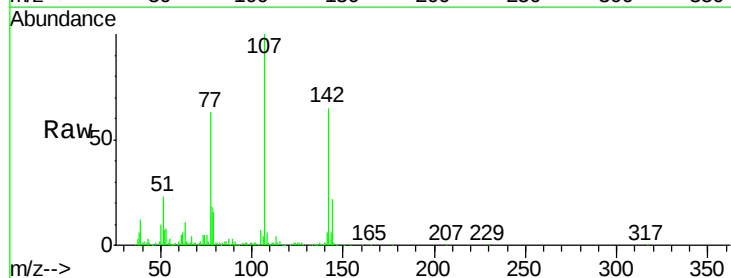
Instrument :
BNA_G
ClientSampleId :
DA8W1MS

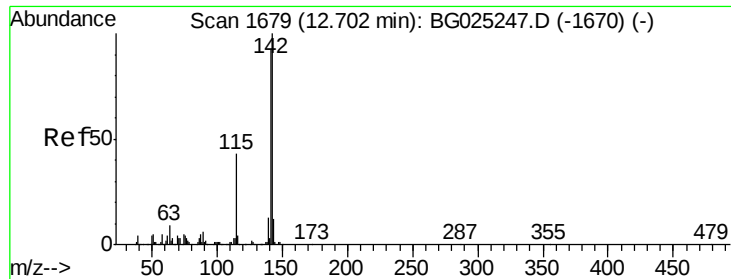
Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.4	14.2
127	10.1	10.3	15.5#



#33
4-Chloro-3-methylphenol
Concen: 28.58 ng/ul
RT: 12.34 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.7	18.2	27.4
142	65.3	55.0	82.4

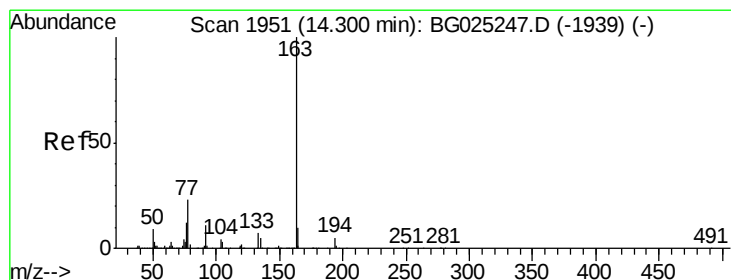
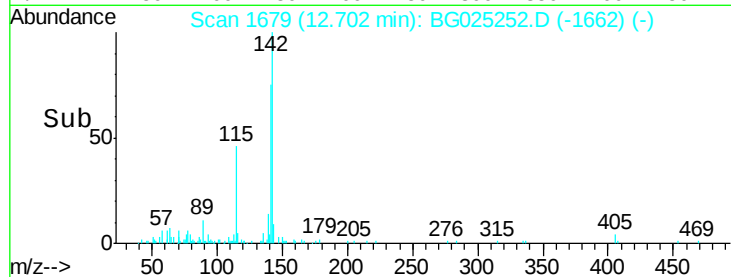
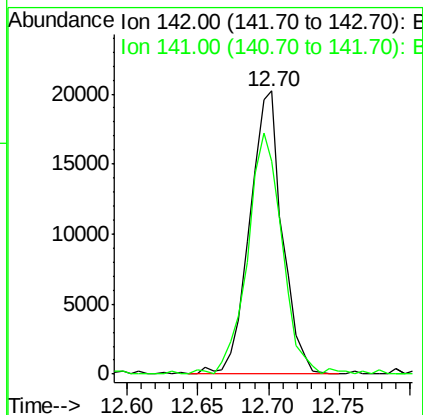
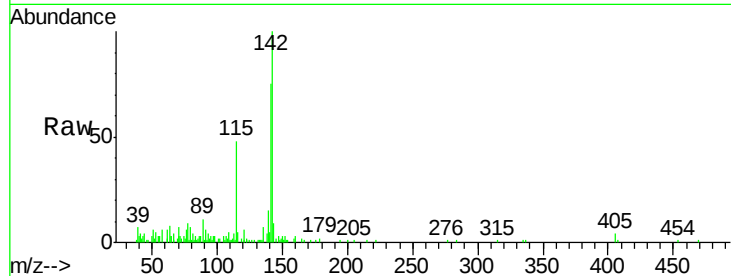




#34
 2-Methylnaphthalene
 Concen: 2.96 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025252.D
 Acq: 16 Dec 2016 23:53

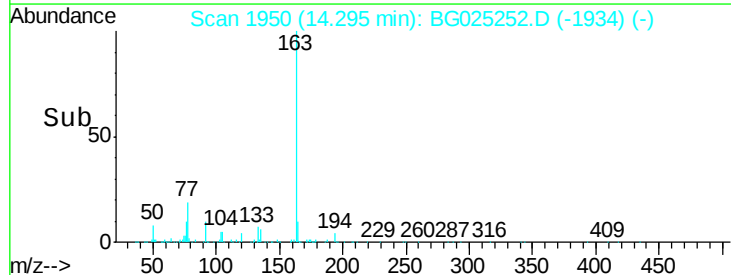
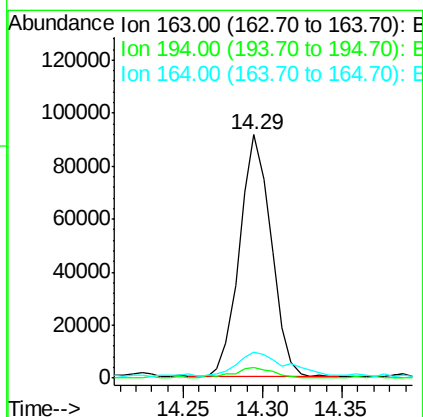
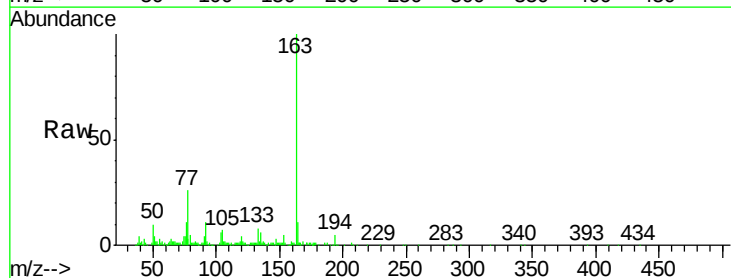
Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MS

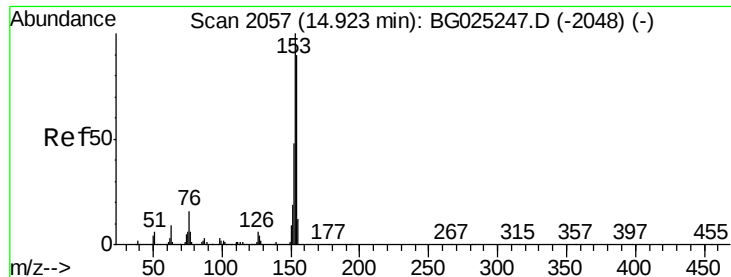
Tgt Ion:142 Resp: 32784
 Ion Ratio Lower Upper
 142 100
 141 75.2 68.6 102.8



#44
 Dimethylphthalate
 Concen: 8.64 ng/ul
 RT: 14.29 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BG025252.D
 Acq: 16 Dec 2016 23:53

Tgt Ion:163 Resp: 126897
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.4 5.0
 164 10.9 9.0 13.4





#49

Acenaphthene

Concen: 29.33 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

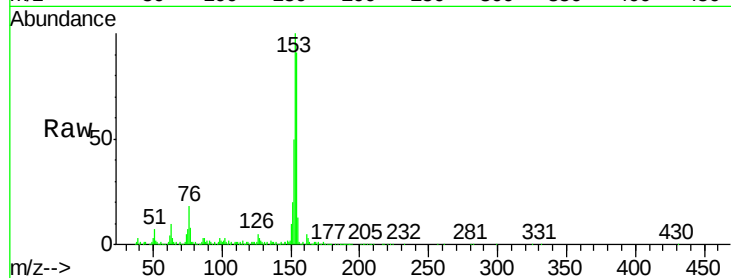
Tgt Ion:153 Resp: 319994

Ion Ratio Lower Upper

153 100

152 49.5 36.5 54.7

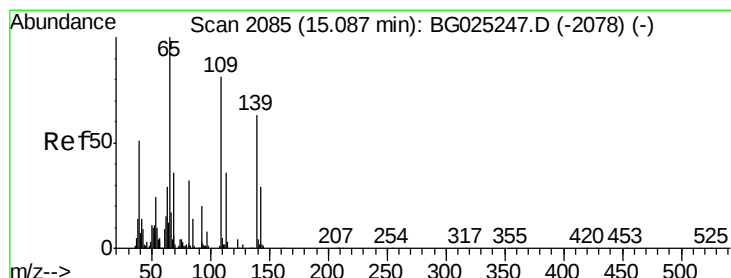
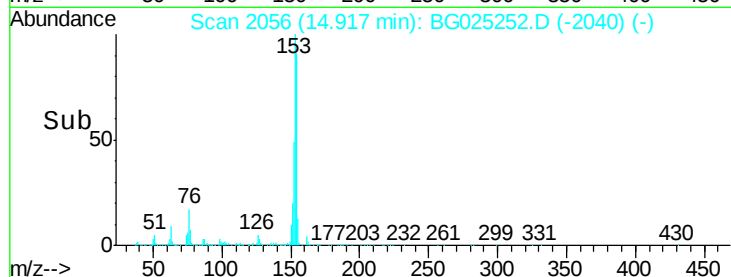
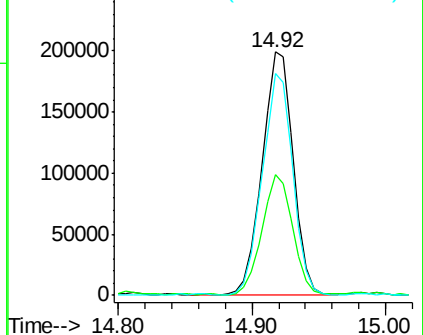
154 91.3 72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 27.90 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.02 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

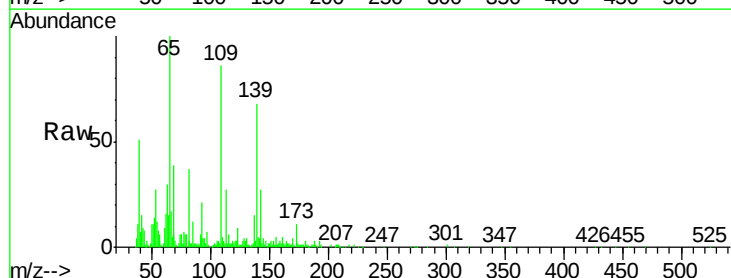
Tgt Ion:109 Resp: 86230

Ion Ratio Lower Upper

109 100

139 78.9 62.6 93.8

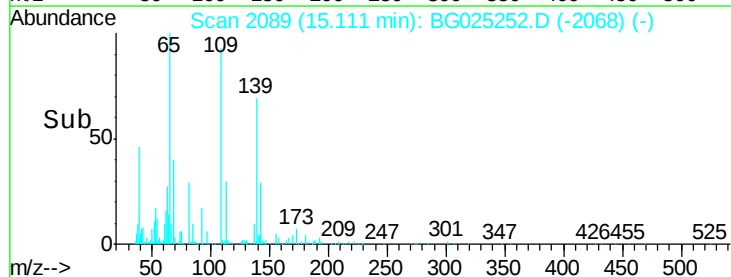
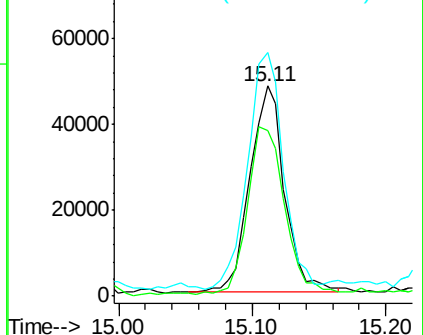
65 115.9 90.4 135.6

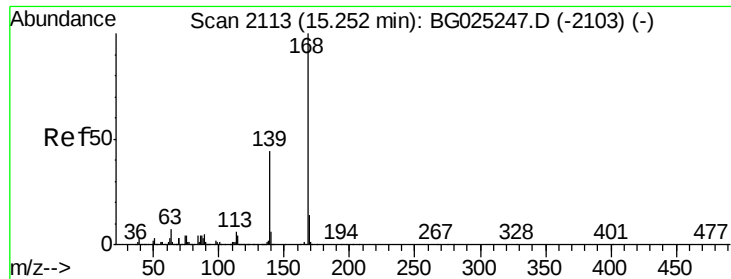


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





#53

Dibenzenofuran

Concen: 1.72 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

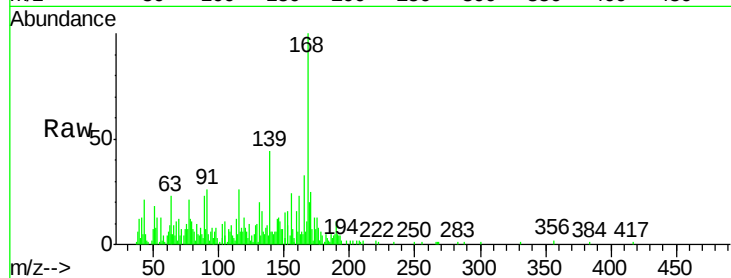
DA8W1MS

Tgt Ion:168 Resp: 29609

Ion Ratio Lower Upper

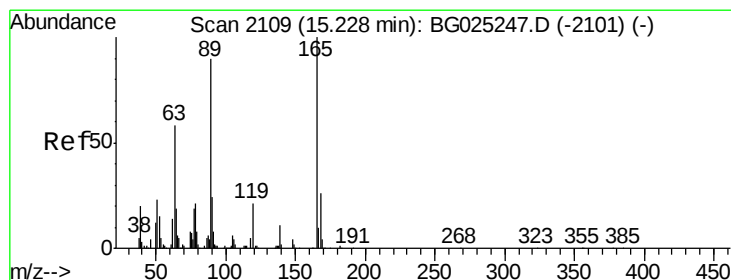
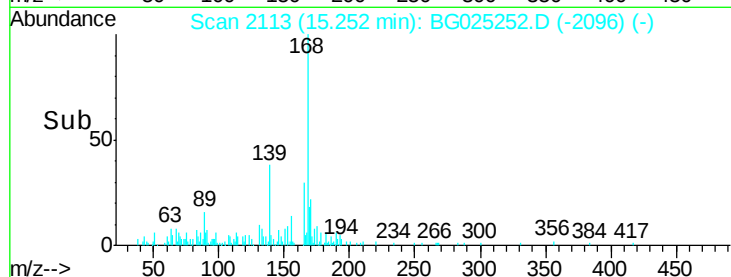
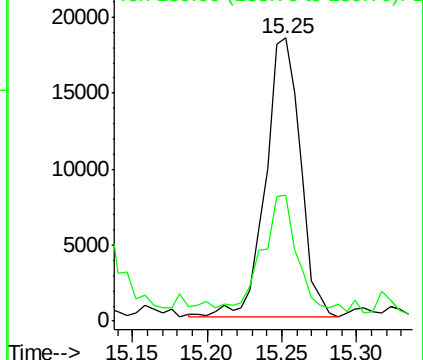
168 100

139 44.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 28.37 ng/ul

RT: 15.23 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

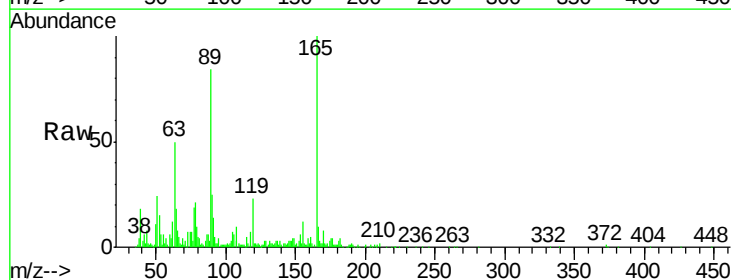
Tgt Ion:165 Resp: 134988

Ion Ratio Lower Upper

165 100

63 50.3 46.8 70.2

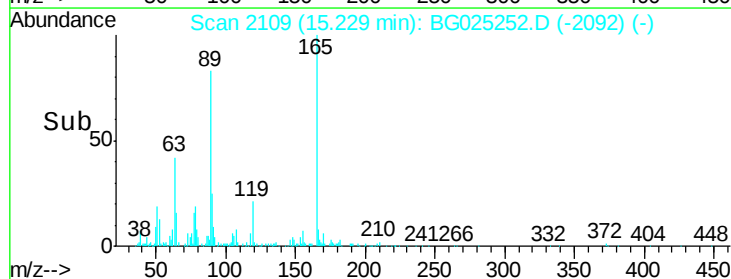
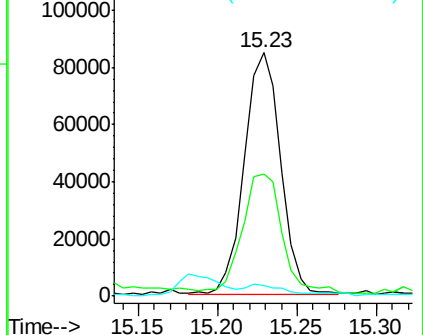
182 4.2 1.8 2.6#

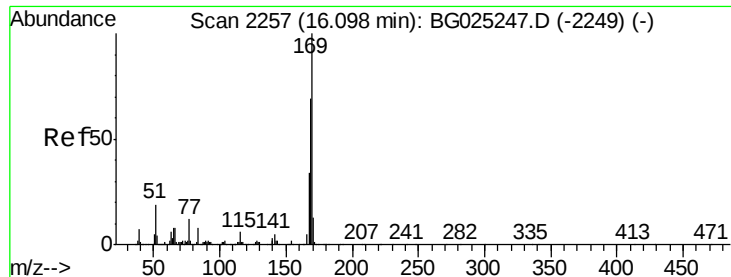


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E





#64

N-Nitrosodiphenylamine

Concen: 1.54 ng/ul

RT: 16.10 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

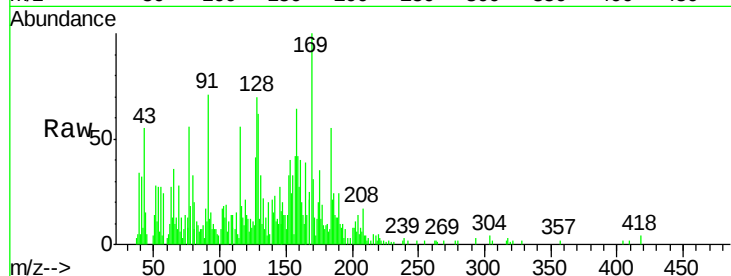
Tgt Ion:169 Resp: 17874

Ion Ratio Lower Upper

169 100

168 25.0 59.1 88.7#

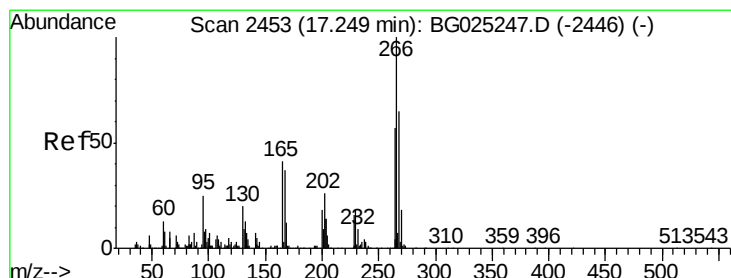
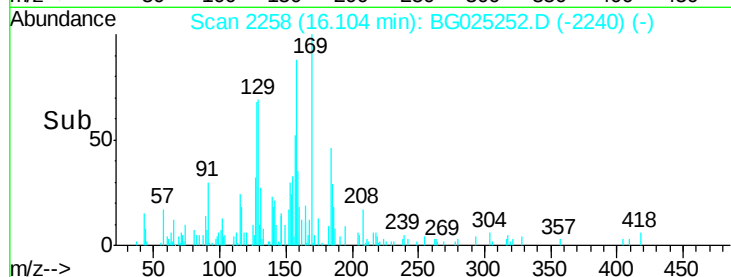
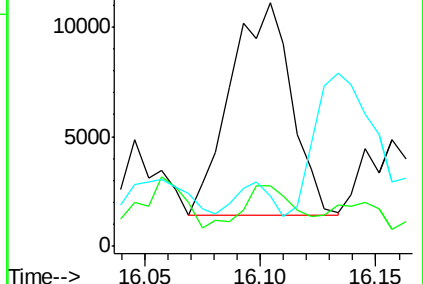
167 20.7 29.7 44.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Pentachlorophenol

Concen: 35.03 ng/ul

RT: 17.26 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

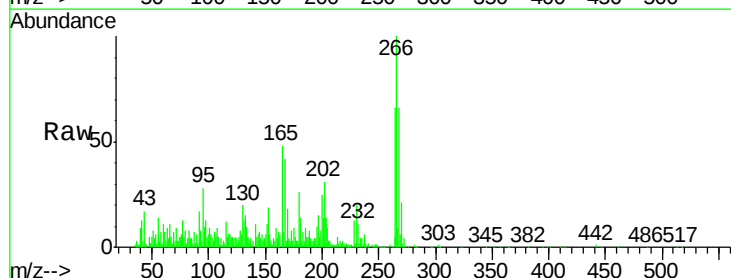
Tgt Ion:266 Resp: 120757

Ion Ratio Lower Upper

266 100

264 66.2 47.1 70.7

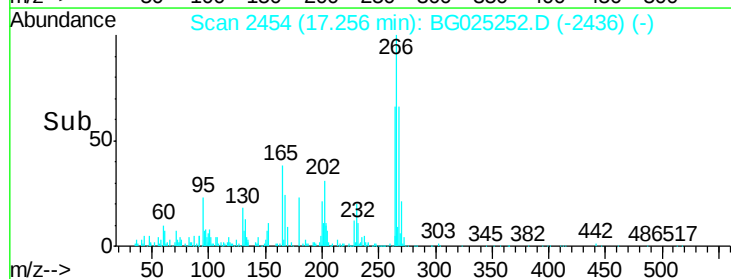
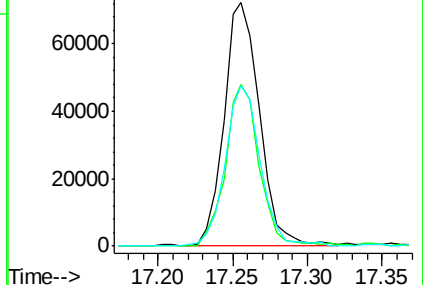
268 65.9 56.2 84.4

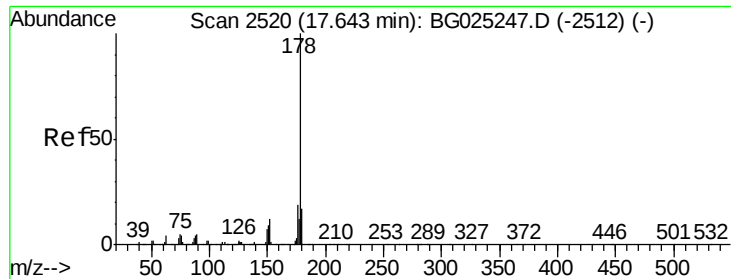


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 9.65 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

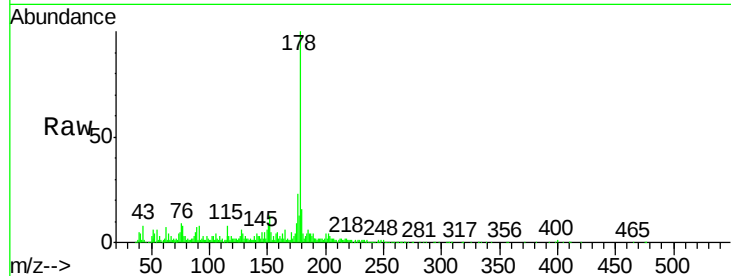
Tgt Ion:178 Resp: 207941

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

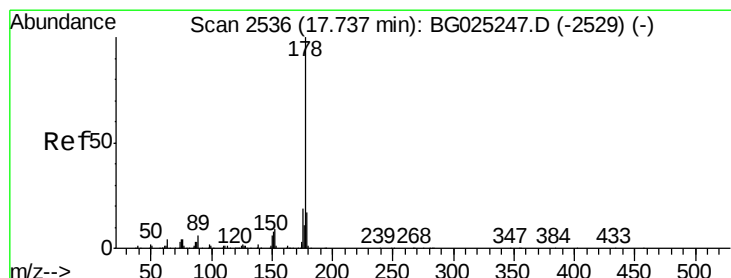
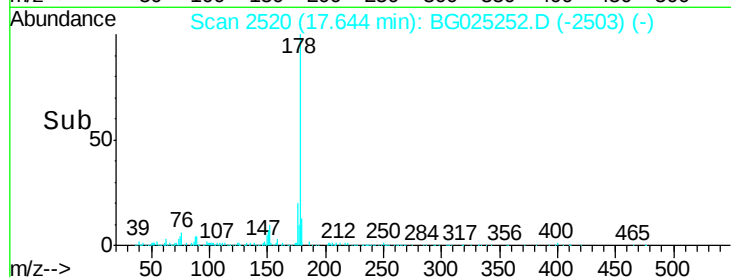
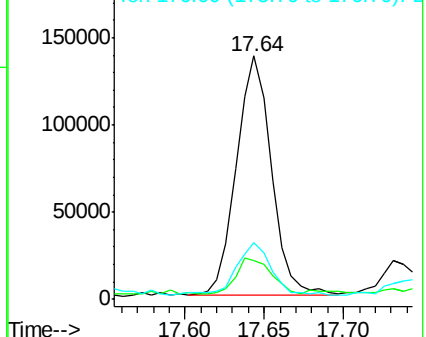
176 23.2 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.42 ng/ul

RT: 17.73 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

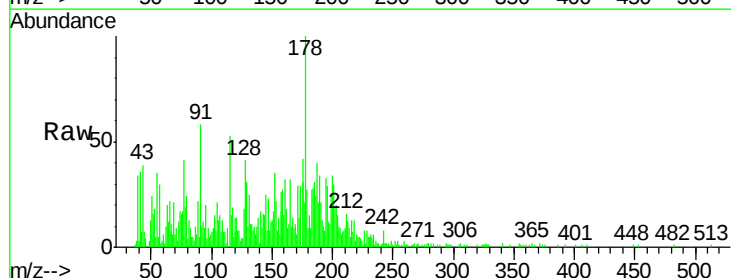
Tgt Ion:178 Resp: 31396

Ion Ratio Lower Upper

178 100

179 27.4 12.6 19.0#

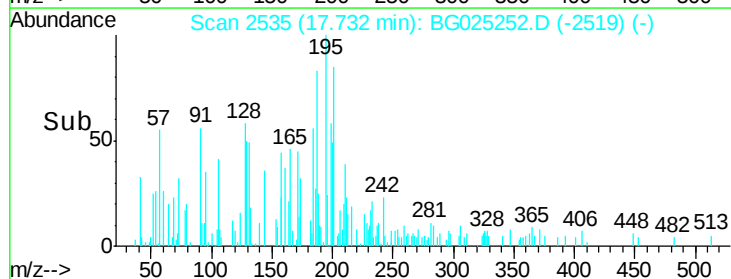
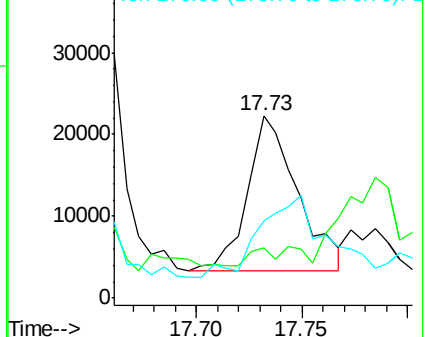
176 41.9 15.9 23.9#

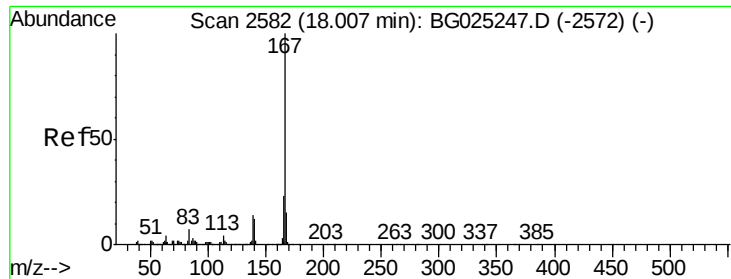


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.28 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

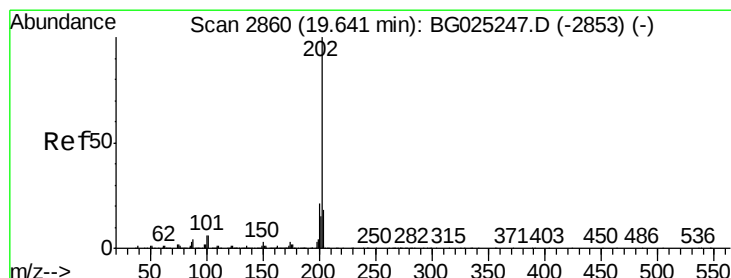
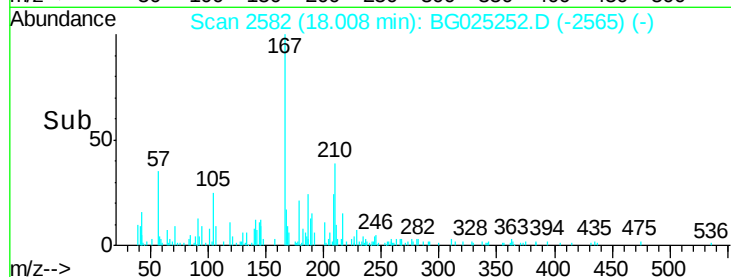
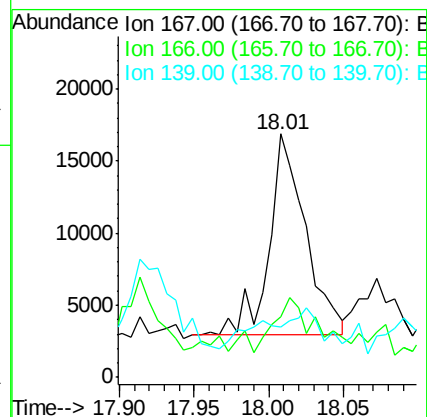
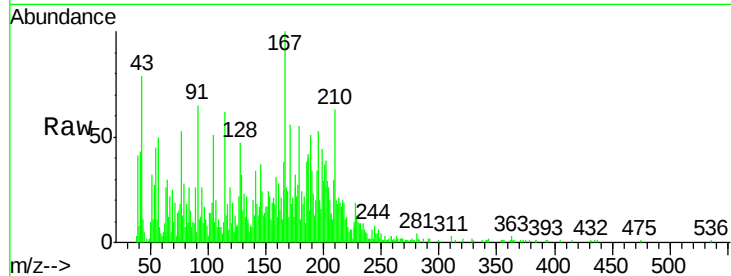
Tgt Ion:167 Resp: 23690

Ion Ratio Lower Upper

167 100

166 25.1 17.9 26.9

139 20.5 10.5 15.7#



#74

Fluoranthene

Concen: 6.10 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

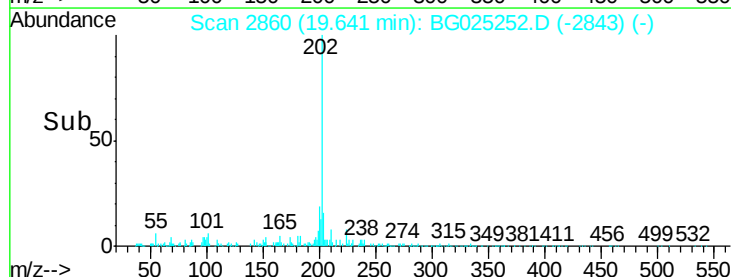
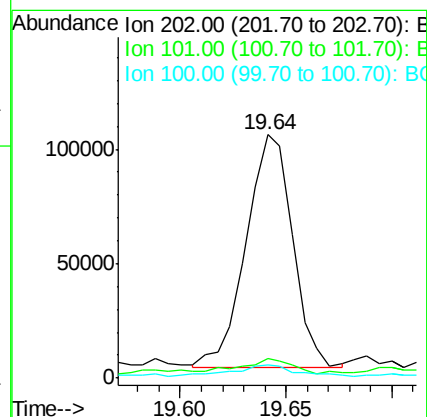
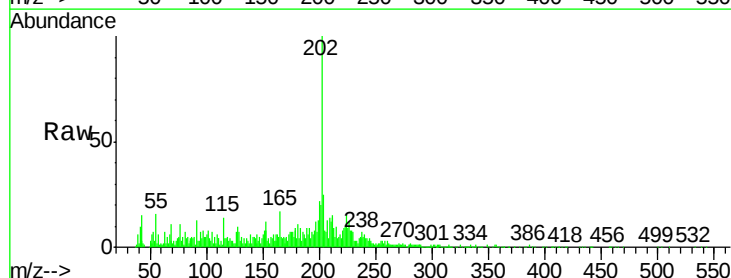
Tgt Ion:202 Resp: 156083

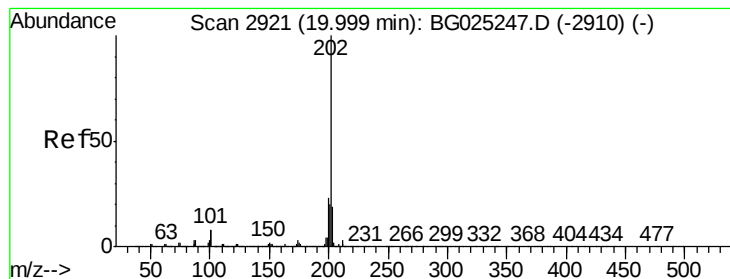
Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

100 5.7 5.2 7.8





#77

Pyrene

Concen: 37.98 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

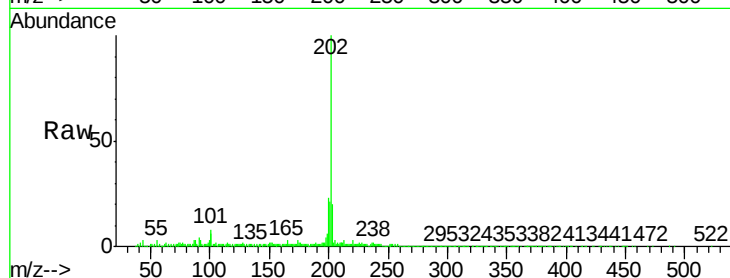
Tgt Ion:202 Resp: 1093107

Ion Ratio Lower Upper

202 100

101 7.9 6.9 10.3

100 6.4 6.6 10.0#

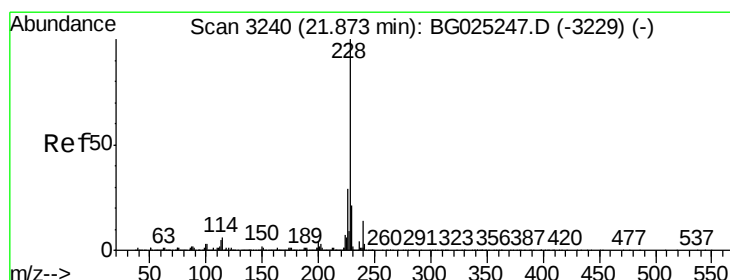
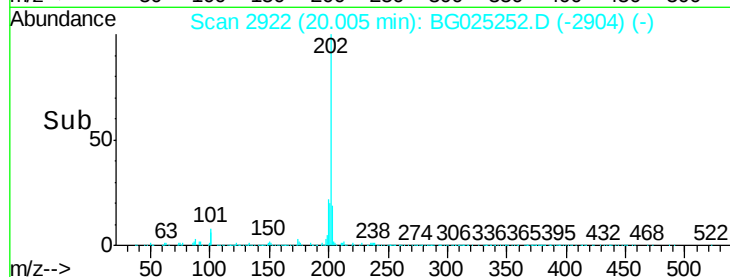


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 6.11 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

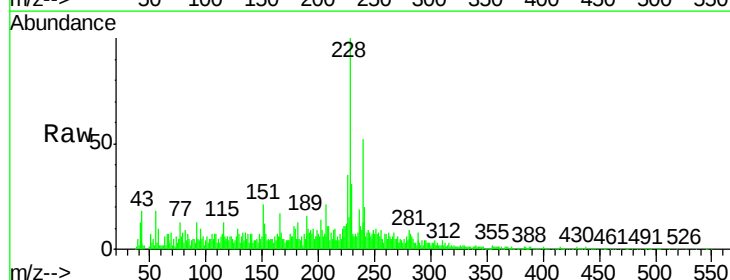
Tgt Ion:228 Resp: 189914

Ion Ratio Lower Upper

228 100

229 31.4 16.3 24.5#

226 34.5 21.9 32.9#

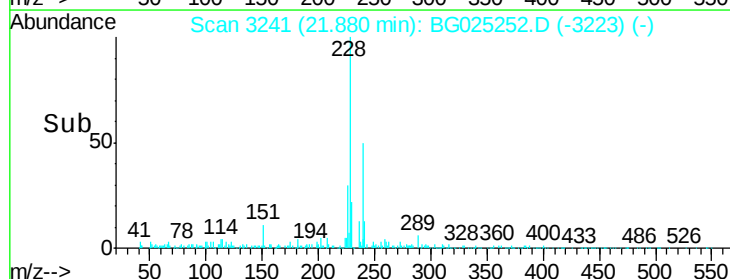


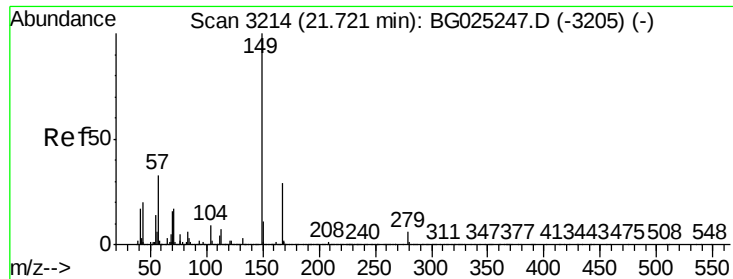
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->

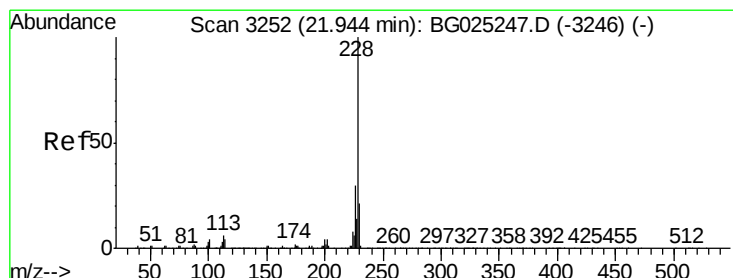
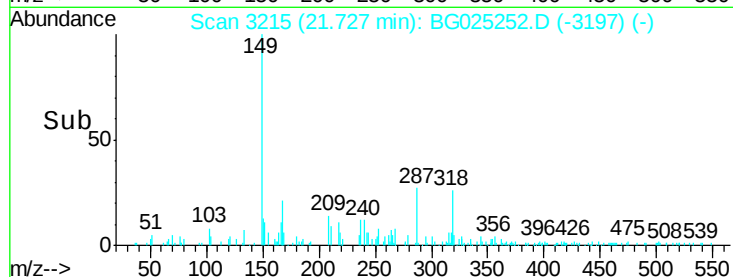
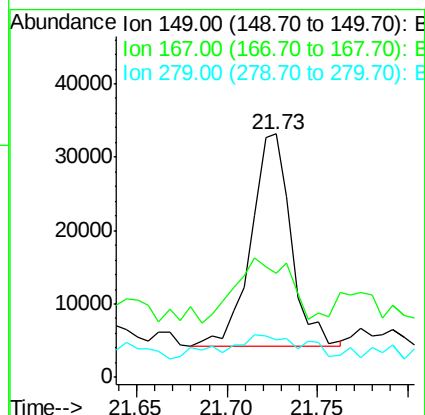
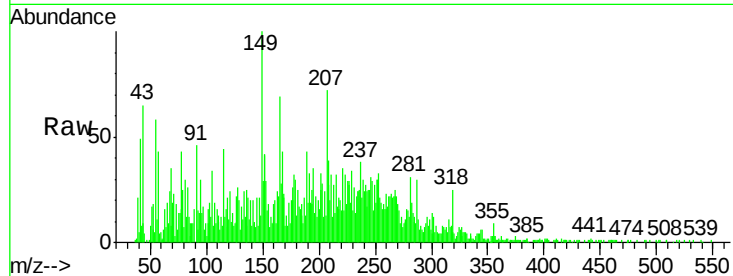




#81
Bis(2-ethylhexyl)phthalate
Concen: 2.87 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

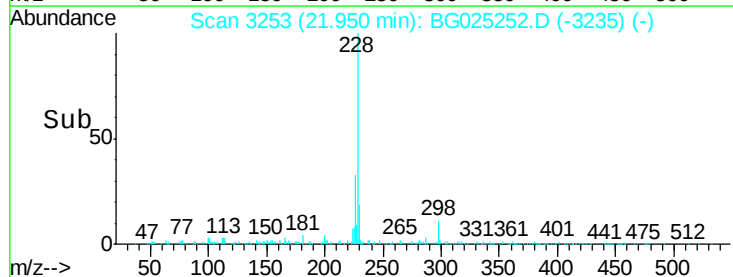
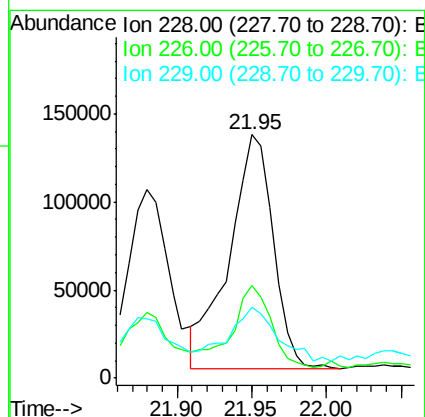
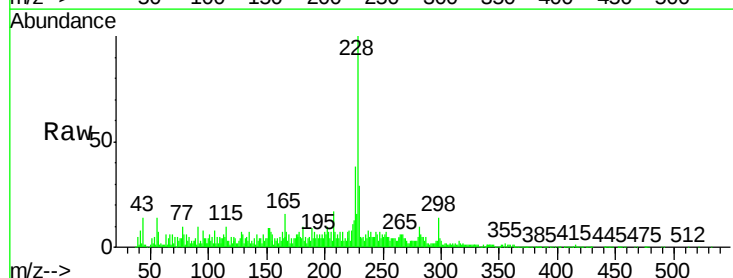
Instrument :
BNA_G
ClientSampleId :
DA8W1MS

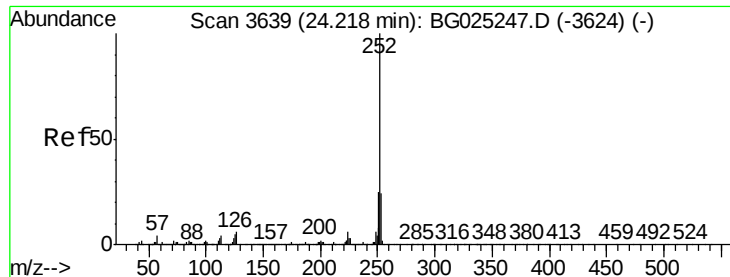
Tgt Ion:149 Resp: 44513
Ion Ratio Lower Upper
149 100
167 42.7 21.8 32.8#
279 15.4 4.5 6.7#



#82
Chrysene
Concen: 9.36 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion:228 Resp: 272174
Ion Ratio Lower Upper
228 100
226 38.2 24.0 36.0#
229 29.0 16.9 25.3#





#85

Benzo(b)fluoranthene

Concen: 6.22 ng/ul

RT: 24.24 min Scan# 3642

Delta R.T. 0.02 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

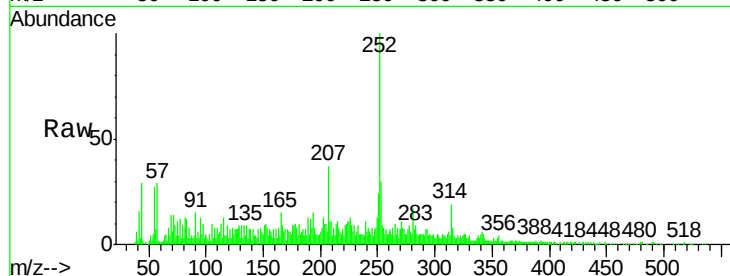
Tgt Ion:252 Resp: 191982

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

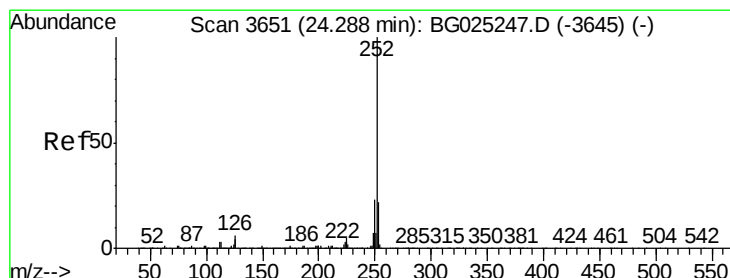
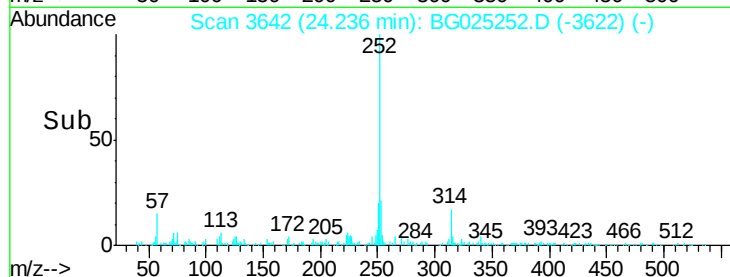
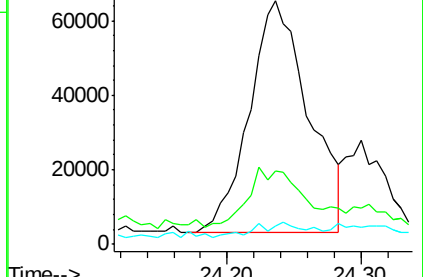
125 7.3 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 1.84 ng/ul

RT: 24.30 min Scan# 3653

Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

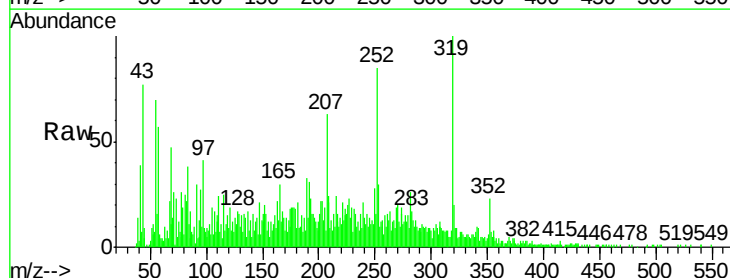
Tgt Ion:252 Resp: 54033

Ion Ratio Lower Upper

252 100

253 34.8 18.5 27.7#

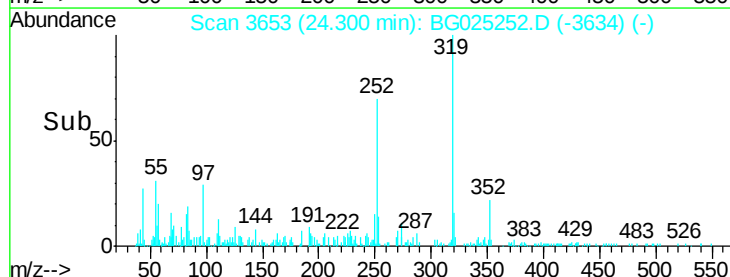
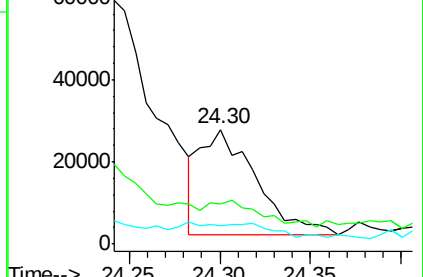
125 16.0 4.1 6.1#

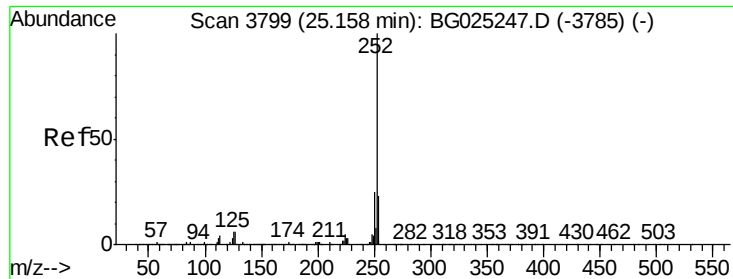


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 5.51 ng/ul

RT: 25.18 min Scan# 3802

Delta R.T. 0.02 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

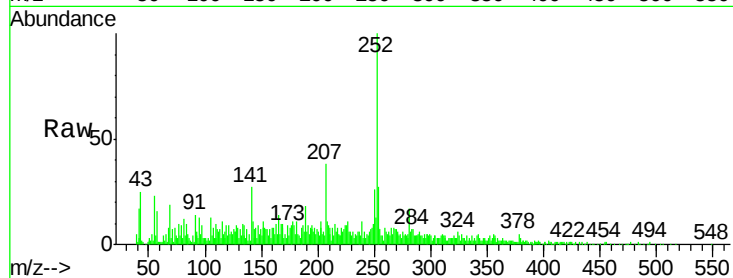
Tgt Ion:252 Resp: 163553

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

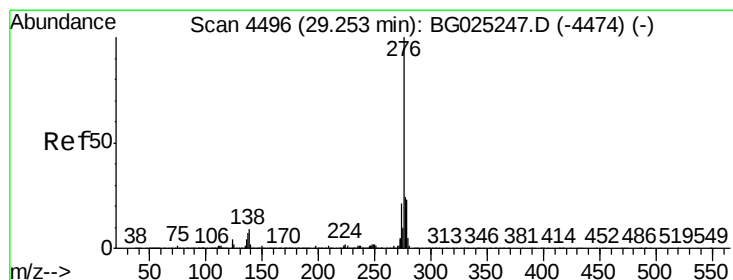
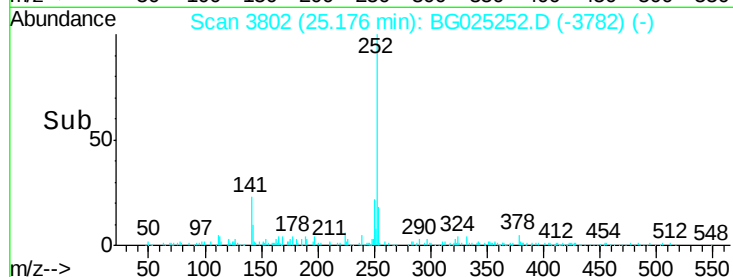
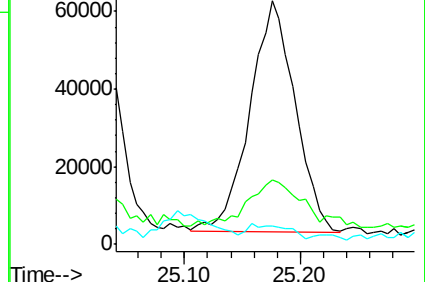
125 7.4 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.35 ng/ul

RT: 29.29 min Scan# 4502

Delta R.T. 0.04 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

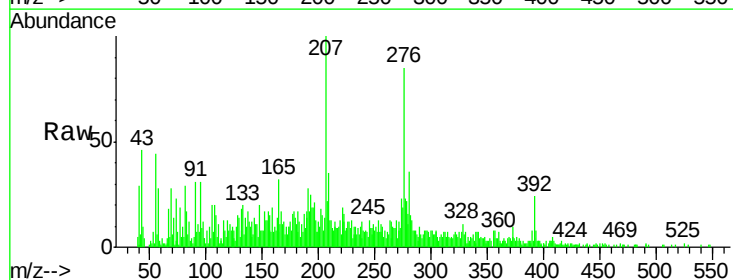
Tgt Ion:276 Resp: 86789

Ion Ratio Lower Upper

276 100

138 13.6 8.2 12.4#

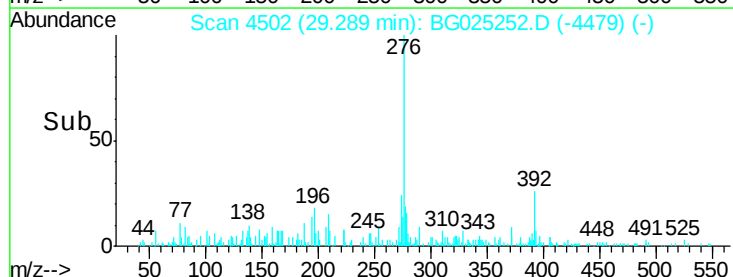
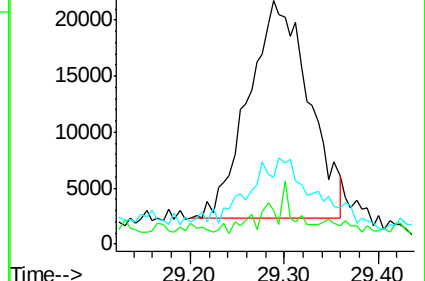
277 27.3 18.6 28.0

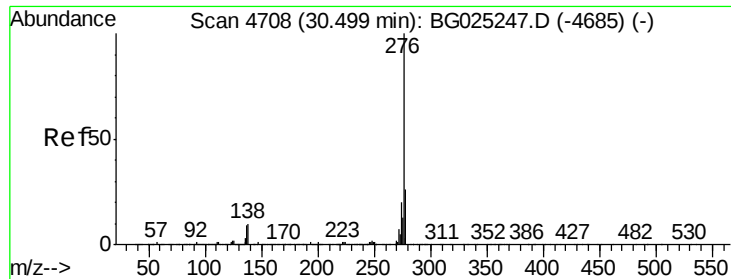


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.40 ng/ul

RT: 30.55 min Scan# 4717

Delta R.T. 0.05 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

ClientSampleId :

DA8W1MS

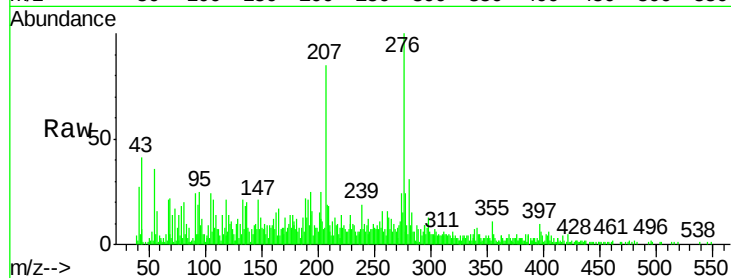
Tgt Ion: 276 Resp: 104799

Ion Ratio Lower Upper

276 100

138 8.3 8.6 12.8#

277 23.6 17.6 26.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

