

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
 Data File : BG025038.D
 Acq On : 9 Dec 2016 15:25
 Operator : UM/SJ
 Sample : H5863-10MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y8MS

Quant Time: Dec 11 23:59:20 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 11 23:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	112098	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	474888	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	388162	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	766448	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	908083	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	950539	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	7296	3.36	ng/uL	0.01
5) Phenol-d5	7.39	99	183267	18.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	127435	21.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	146823	21.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	142408	17.62	ng/ul	0.01
19) Nitrobenzene-d5	9.42	128	79556	23.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	98258	23.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	174401	21.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	88280	11.14	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	603006	22.58	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	661262	22.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	53777	11.72	ng/ul	0.01
57) Fluorene-d10	15.86	176	543548	21.63	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.97	200	99707	21.04	ng/ul	0.00
70) Anthracene-d10	17.71	188	775481	23.97	ng/ul	0.00
76) Pyrene-d10	19.98	212	796042	21.28	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	800312	20.78	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.42	94	229443	23.11	ng/ul	96
10) 2-Chlorophenol	7.81	128	138129	20.32	ng/ul	90
11) 2-Methylphenol	8.68	108	7682	1.05	ng/ul#	48
15) N-Nitroso-di-n-propylamine	9.05	70	153792	21.65	ng/ul#	86
16) 4-Methylphenol	9.01	108	9630	1.18	ng/ul	84
24) 2,4-Dimethylphenol	10.22	107	13318	1.37	ng/ul#	58
33) 4-Chloro-3-methylphenol	12.33	107	186670	19.35	ng/ul	95
34) 2-Methylnaphthalene	12.71	142	20338	1.17	ng/ul	86
44) Dimethylphthalate	14.31	163	134702	5.13	ng/ul#	99
47) Acenaphthylene	14.60	152	33495	1.18	ng/ul#	87
49) Acenaphthene	14.93	153	438435	22.51	ng/ul	99
52) 4-Nitrophenol	15.08	109	70555	12.78	ng/ul	95
54) 2,4-Dinitrotoluene	15.22	165	187055	22.01	ng/ul#	95
68) Pentachlorophenol	17.25	266	123195	21.05	ng/ul	91
69) Phenanthrene	17.65	178	50702	1.39	ng/ul#	93
74) Fluoranthene	19.65	202	360571	8.29	ng/ul#	94
77) Pyrene	20.01	202	1244006	28.50	ng/ul	97
80) Benzo(a)anthracene	21.88	228	302788	6.42	ng/ul	93
82) Chrysene	21.95	228	516327	11.70	ng/ul	96
85) Benzo(b)fluoranthene	24.23	252	998874	21.19	ng/ul	96
86) Benzo(k)fluoranthene	24.30	252	314170	7.01	ng/ul	96
88) Benzo(a)pyrene	25.16	252	432724	9.55	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.26	276	469294	8.33	ng/ul	96

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Response via : Initial Calibration

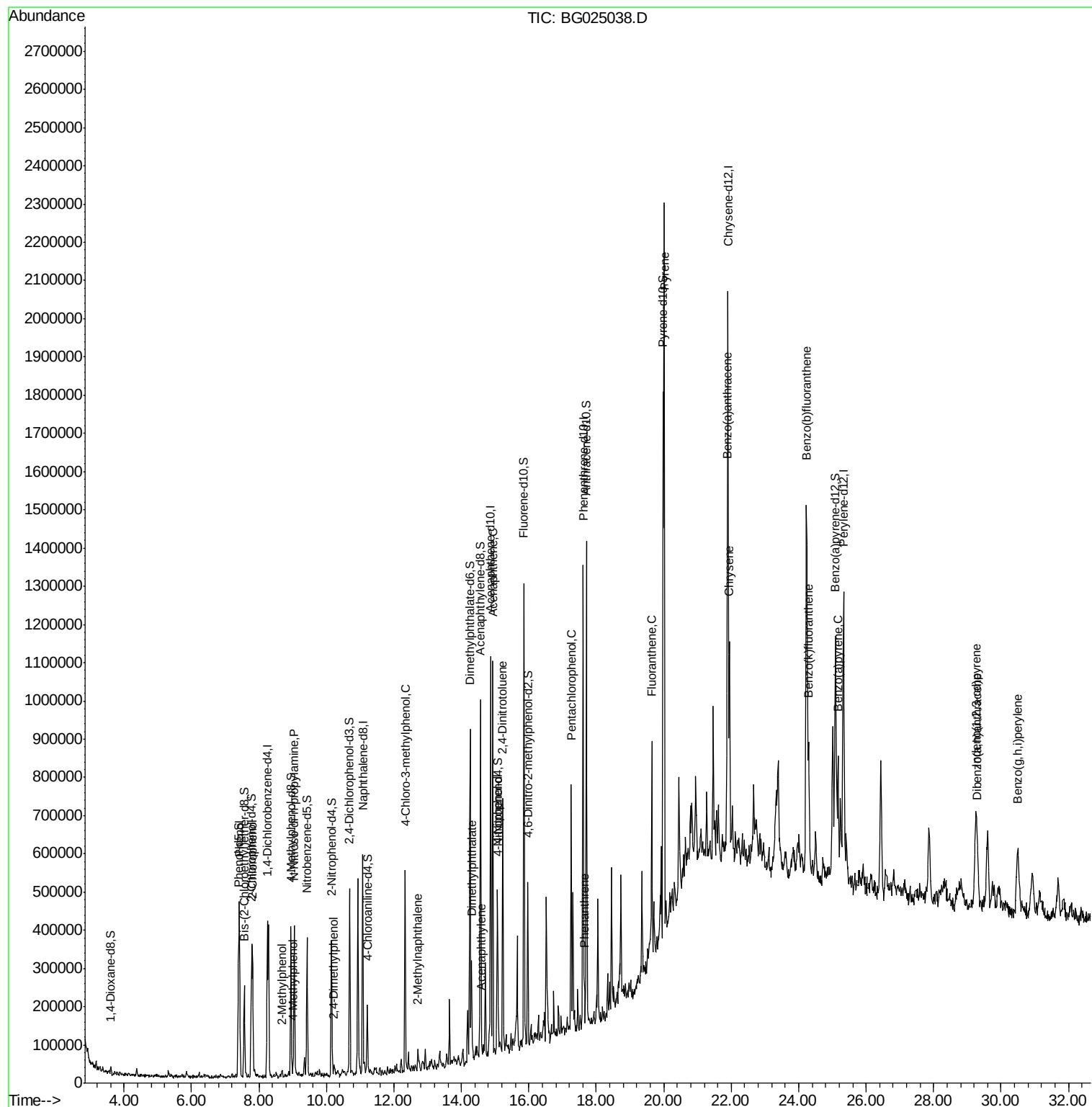
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	29.31	278	121871	2.57	ng/ul	94
91) Benzo(g,h,i)perylene	30.50	276	368106	7.83	ng/ul#	91

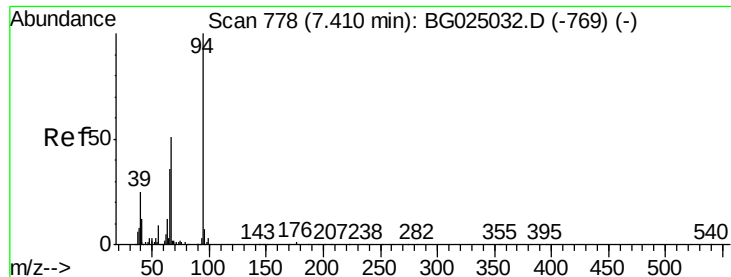
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 23.11 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

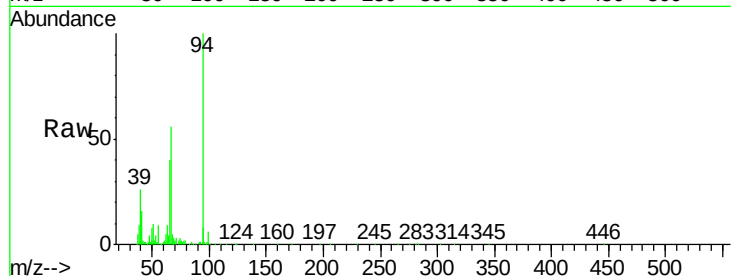
Tgt Ion: 94 Resp: 229443

Ion Ratio Lower Upper

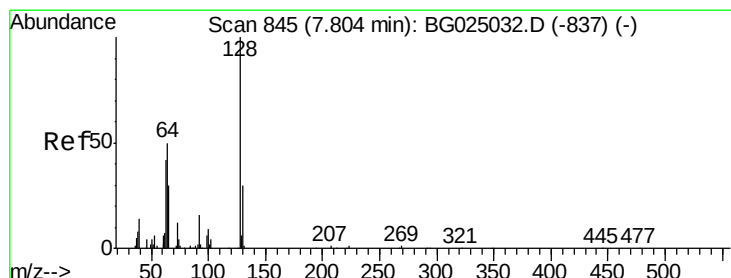
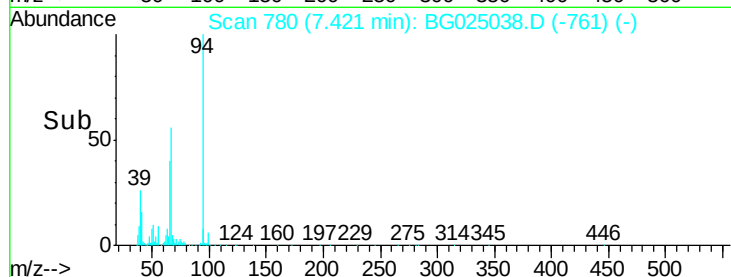
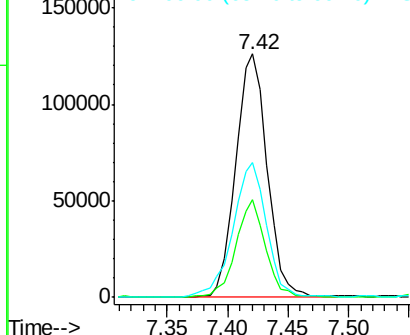
94 100

65 39.9 26.8 40.2

66 55.6 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: 20.32 ng/ul

RT: 7.81 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

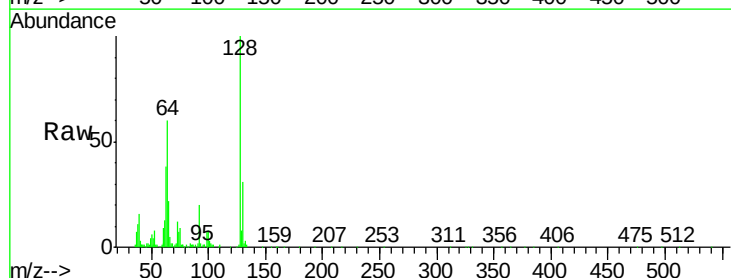
Tgt Ion: 128 Resp: 138129

Ion Ratio Lower Upper

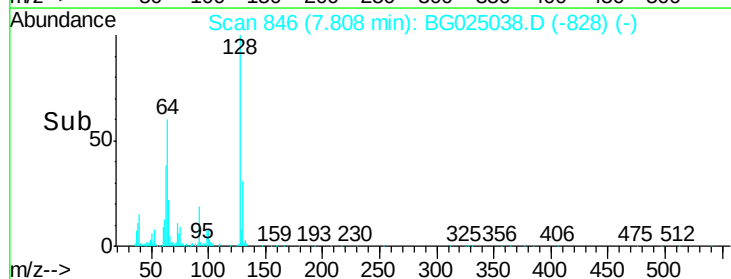
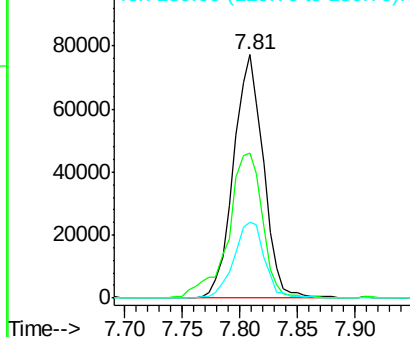
128 100

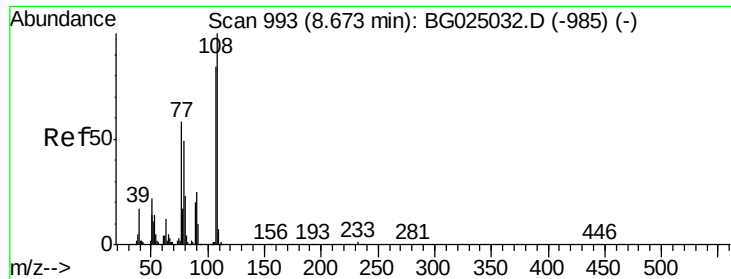
64 59.6 56.3 84.5

130 31.2 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

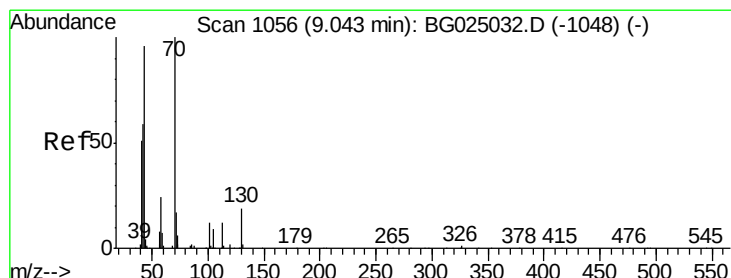
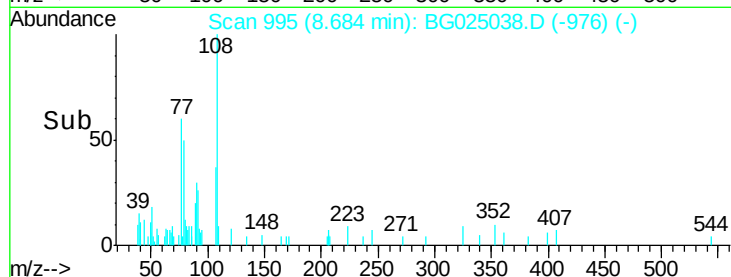
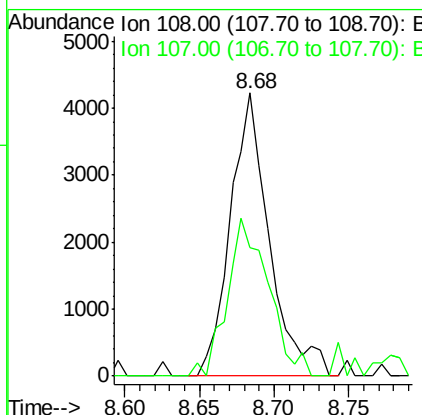
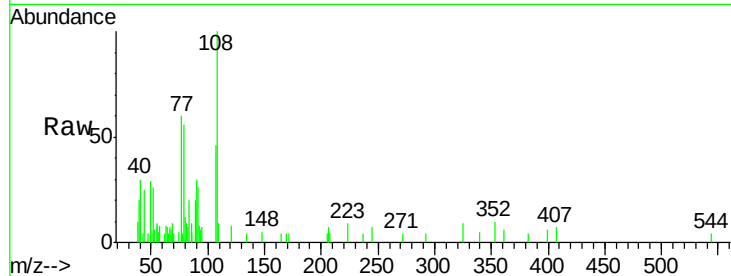




#11
2-Methylphenol
Concen: 1.05 ng/ul
RT: 8.68 min Scan# 995
Delta R.T. 0.01 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

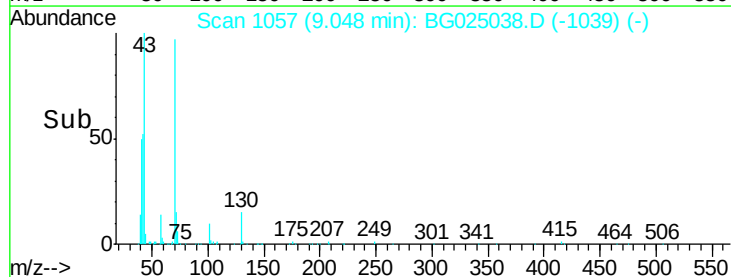
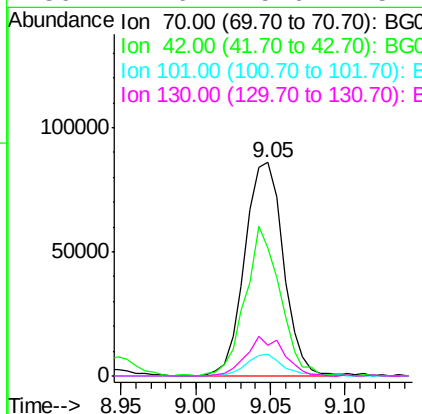
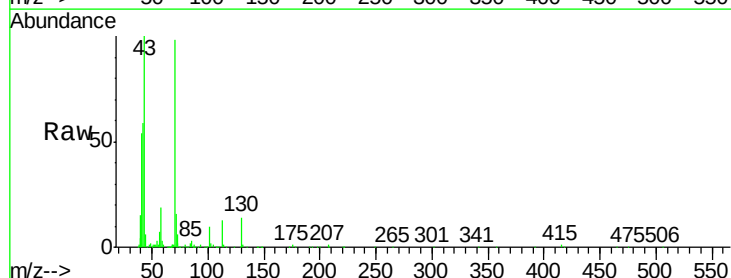
Instrument :
BNA_G
ClientSampleId :
DA7Y8MS

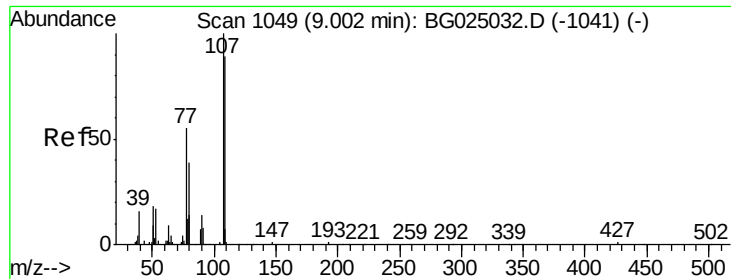
Tgt Ion: 108 Resp: 7682
Ion Ratio Lower Upper
108 100
107 45.6 76.7 115.1#



#15
N-Nitroso-di-n-propylamine
Concen: 21.65 ng/ul
RT: 9.05 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

Tgt Ion: 70 Resp: 153792
Ion Ratio Lower Upper
70 100
42 60.0 59.0 88.6
101 10.3 6.6 9.8#
130 14.6 15.6 23.4#

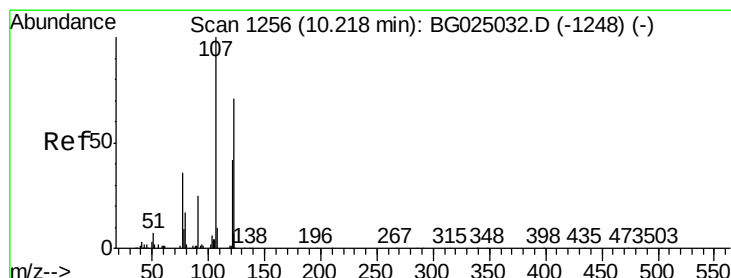
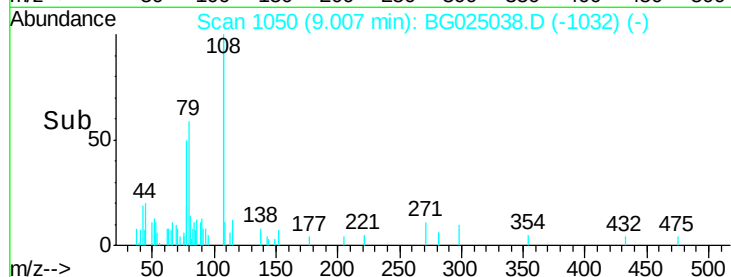
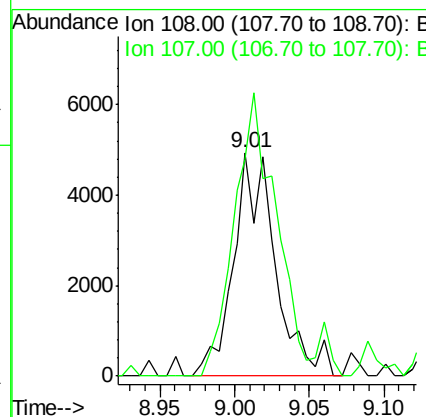
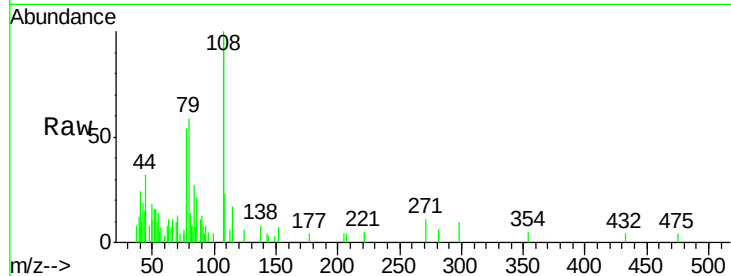




#16
4-Methylphenol
Concen: 1.18 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

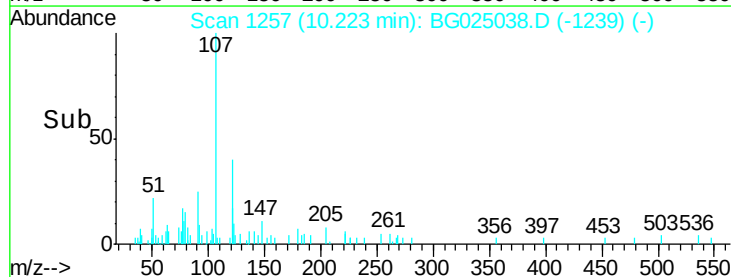
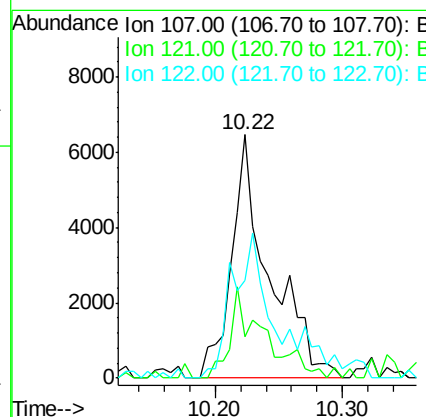
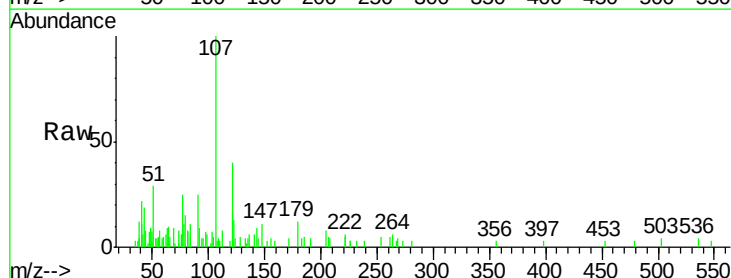
Instrument :
BNA_G
ClientSampleId :
DA7Y8MS

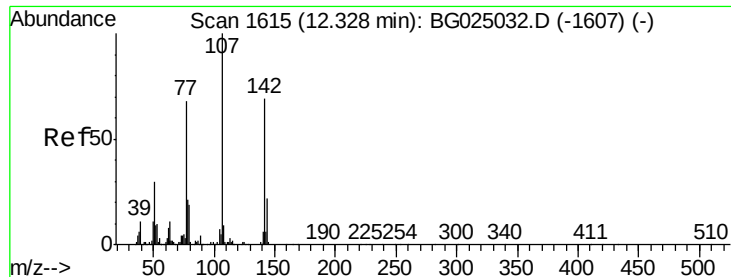
Tgt Ion:108 Resp: 9630
Ion Ratio Lower Upper
108 100
107 97.1 91.7 137.5



#24
2,4-Dimethylphenol
Concen: 1.37 ng/ul
RT: 10.22 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

Tgt Ion:107 Resp: 13318
Ion Ratio Lower Upper
107 100
121 16.4 32.3 48.5#
122 39.3 61.2 91.8#

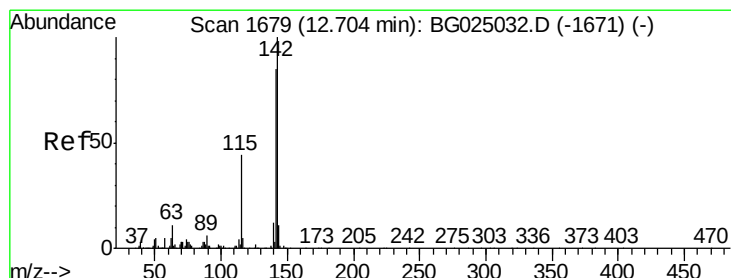
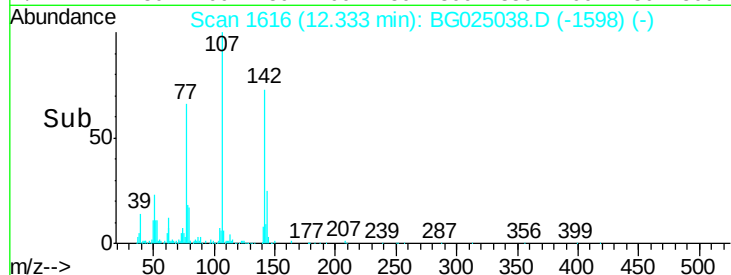
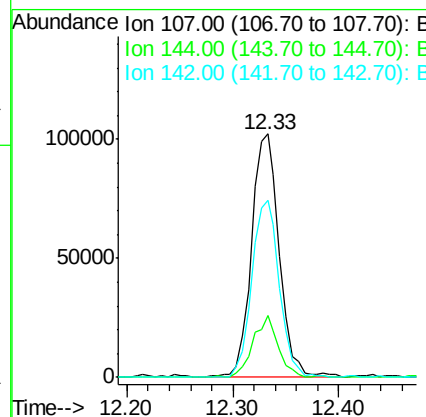
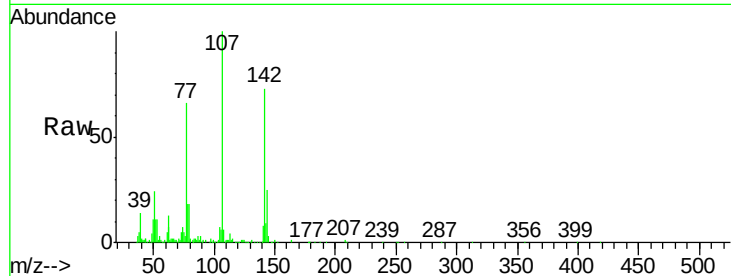




#33
4-Chloro-3-methylphenol
Concen: 19.35 ng/ul
RT: 12.33 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

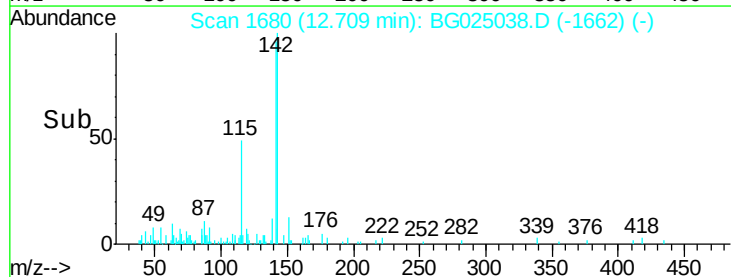
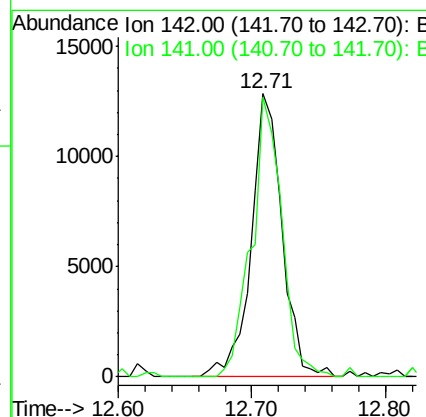
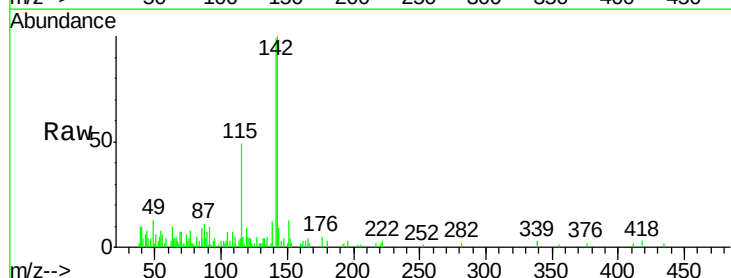
Instrument :
BNA_G
ClientSampleId :
DA7Y8MS

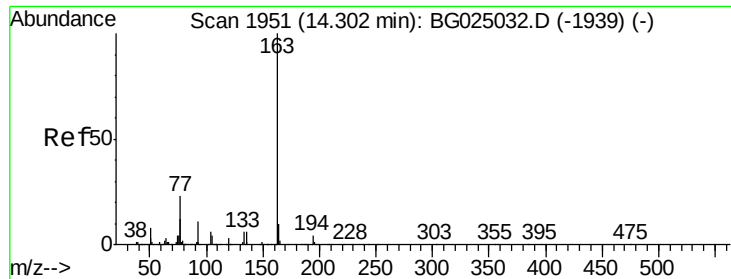
Tgt Ion:107 Resp: 186670
Ion Ratio Lower Upper
107 100
144 25.4 18.2 27.4
142 72.9 55.0 82.4



#34
2-Methylnaphthalene
Concen: 1.17 ng/ul
RT: 12.71 min Scan# 1680
Delta R.T. 0.00 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

Tgt Ion:142 Resp: 20338
Ion Ratio Lower Upper
142 100
141 98.6 68.6 102.8





#44

Dimethylphthalate

Concen: 5.13 ng/ul

RT: 14.31 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

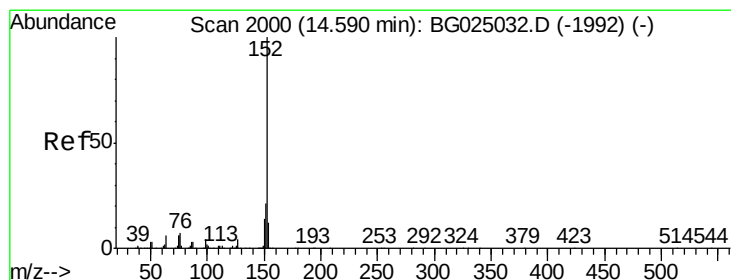
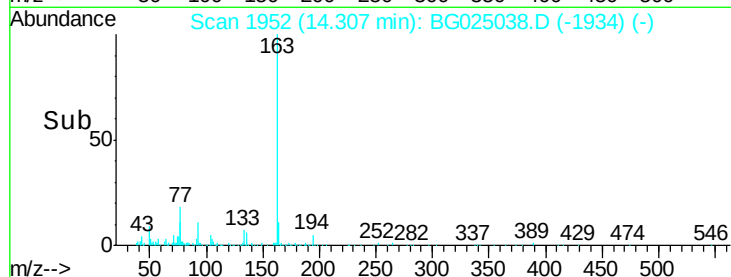
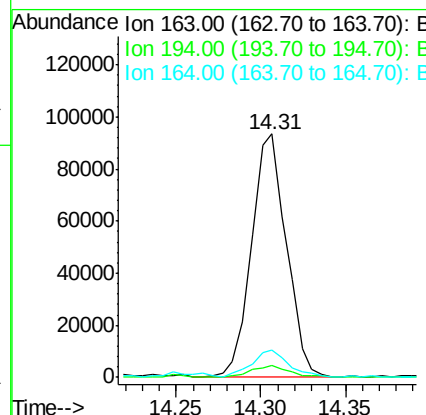
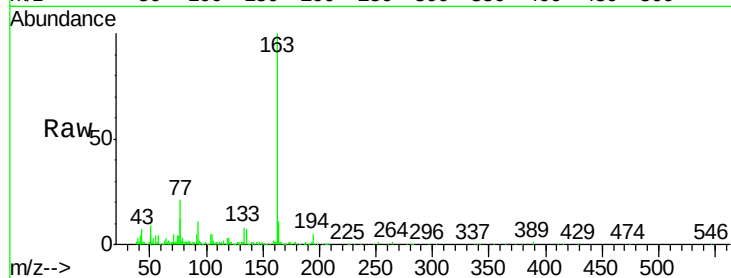
Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

Tgt Ion:	163	Resp:	134702
Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.0#
164	11.3	9.0	13.4



#47

Acenaphthylene

Concen: 1.18 ng/ul

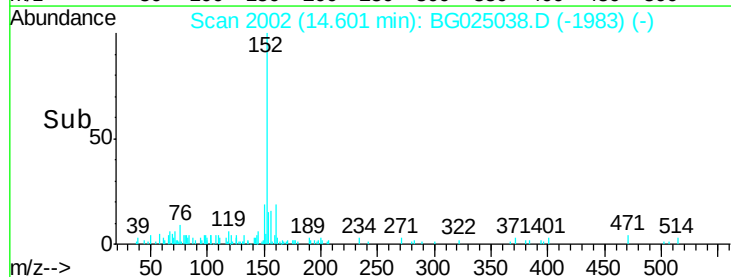
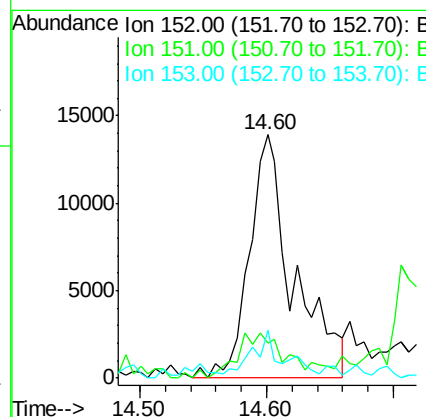
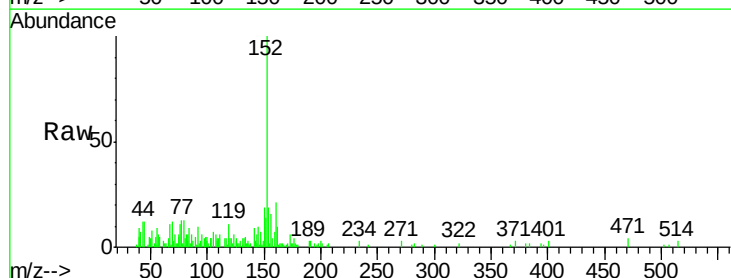
RT: 14.60 min Scan# 2002

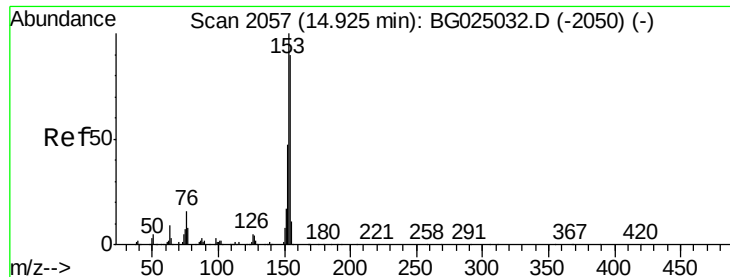
Delta R.T. 0.01 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Tgt Ion:	152	Resp:	33495
Ion	Ratio	Lower	Upper
152	100		
151	14.4	16.7	25.1#
153	19.4	11.4	17.2#





#49

Acenaphthene

Concen: 22.51 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

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ClientSampleId :

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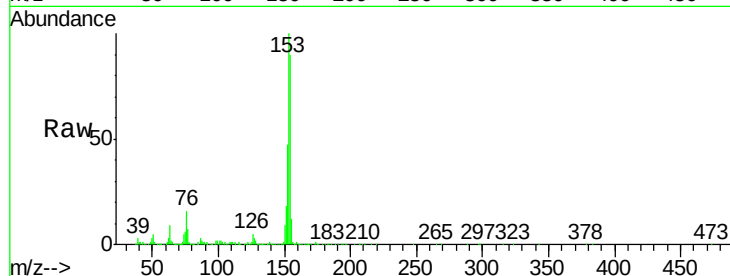
Tgt Ion:153 Resp: 438435

Ion Ratio Lower Upper

153 100

152 46.5 36.5 54.7

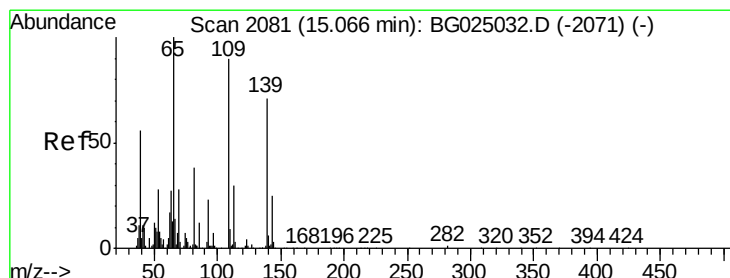
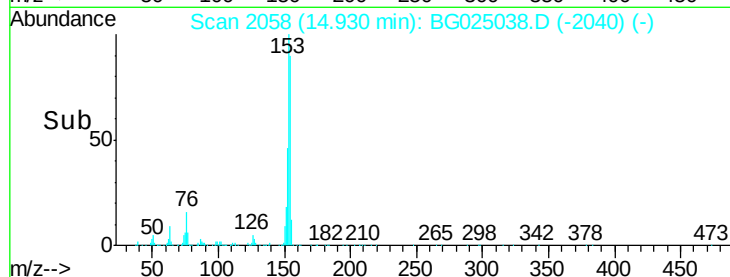
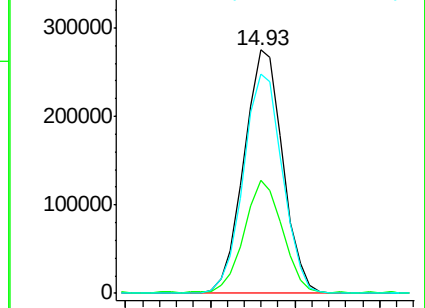
154 90.0 72.3 108.5



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: 12.78 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

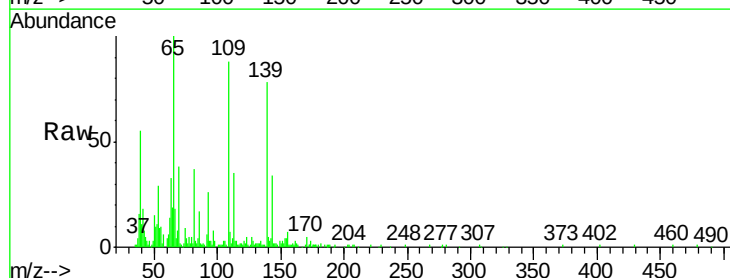
Tgt Ion:109 Resp: 70555

Ion Ratio Lower Upper

109 100

139 88.3 62.6 93.8

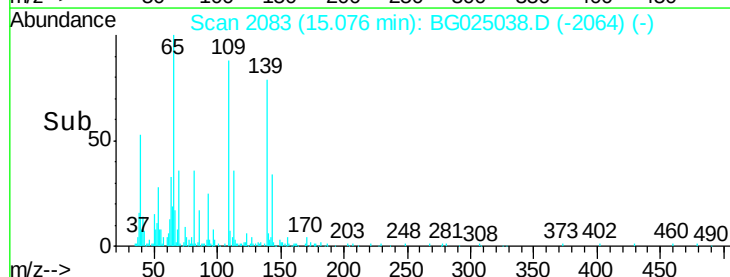
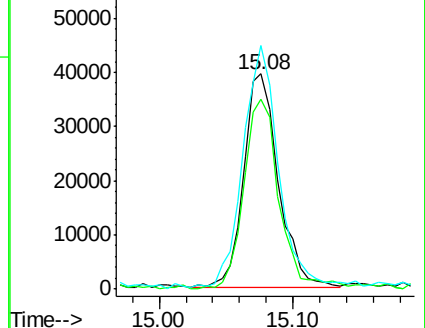
65 113.1 90.4 135.6

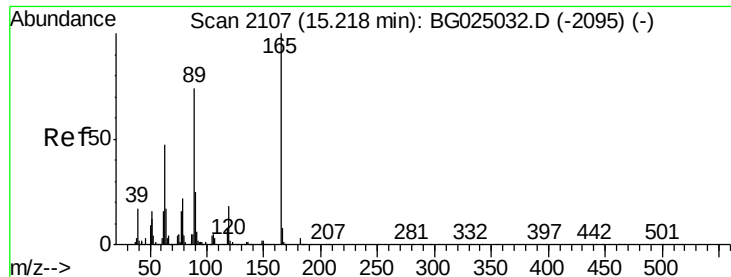


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





#54

2,4-Dinitrotoluene

Concen: 22.01 ng/ul

RT: 15.22 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

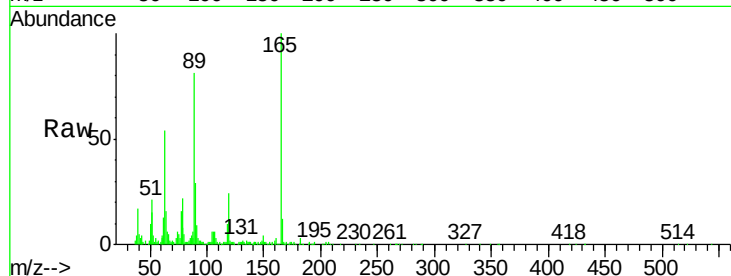
Tgt Ion:165 Resp: 187055

Ion Ratio Lower Upper

165 100

63 54.5 46.8 70.2

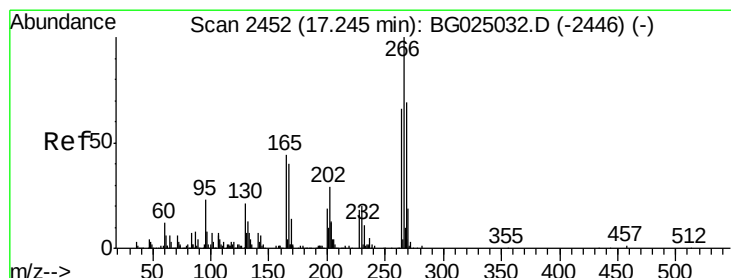
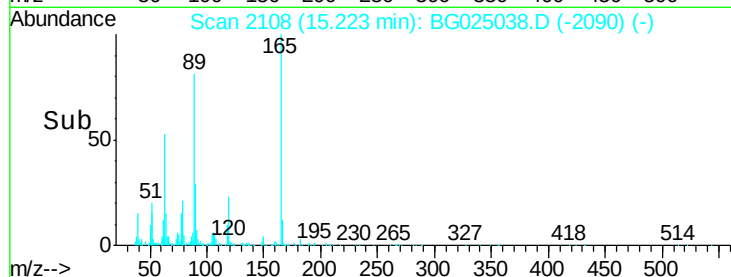
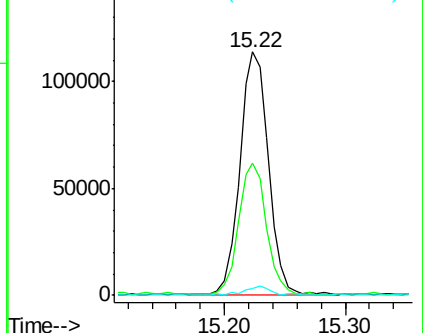
182 3.0 1.8 2.6#



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



#68

Pentachlorophenol

Concen: 21.05 ng/ul

RT: 17.25 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

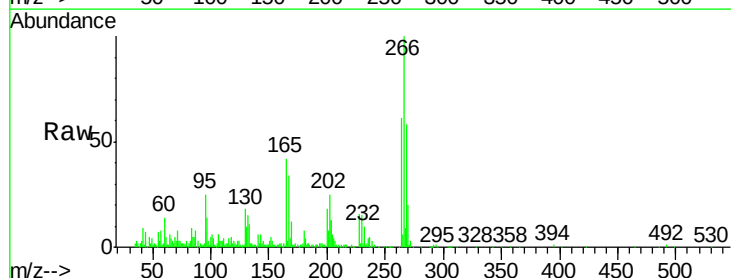
Tgt Ion:266 Resp: 123195

Ion Ratio Lower Upper

266 100

264 60.8 47.1 70.7

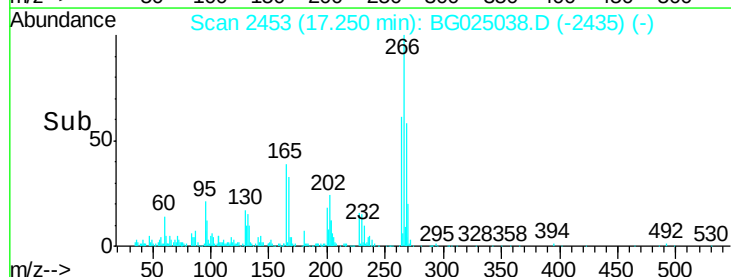
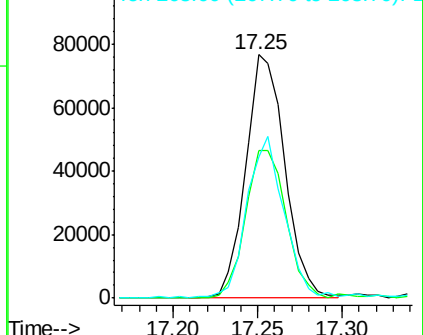
268 57.9 56.2 84.4

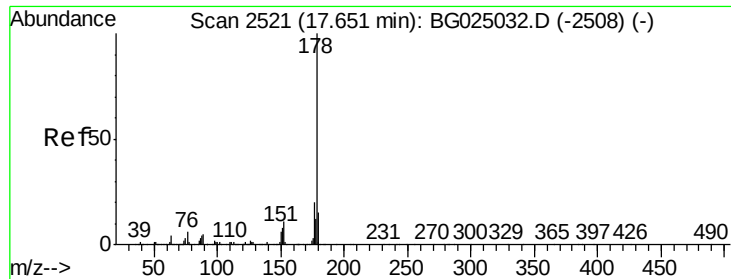


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 1.39 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. -0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

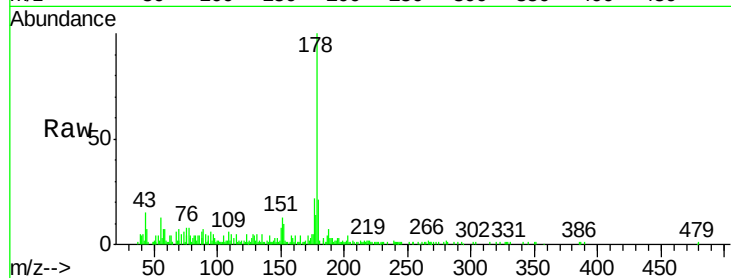
Tgt Ion:178 Resp: 50702

Ion Ratio Lower Upper

178 100

179 20.6 12.4 18.6#

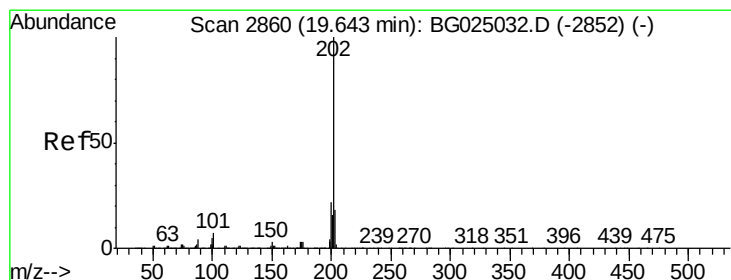
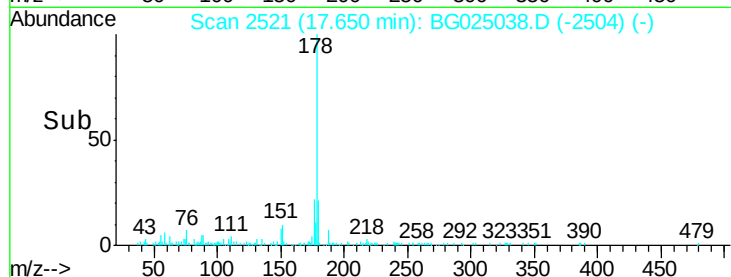
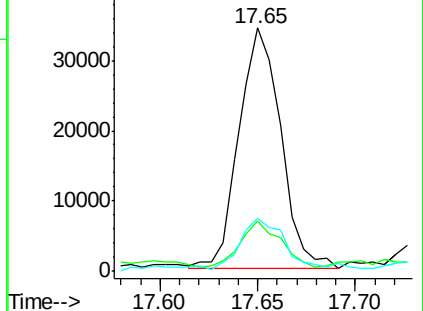
176 21.7 16.5 24.7



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



#74

Fluoranthene

Concen: 8.29 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

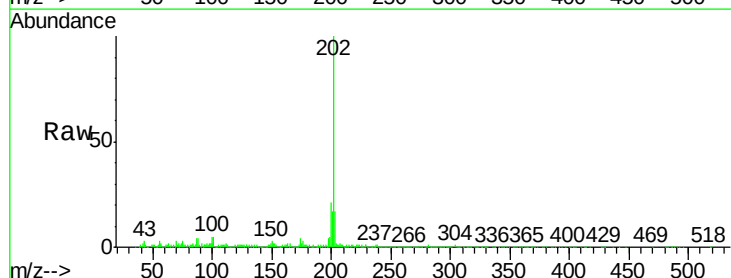
Tgt Ion:202 Resp: 360571

Ion Ratio Lower Upper

202 100

101 5.1 6.2 9.2#

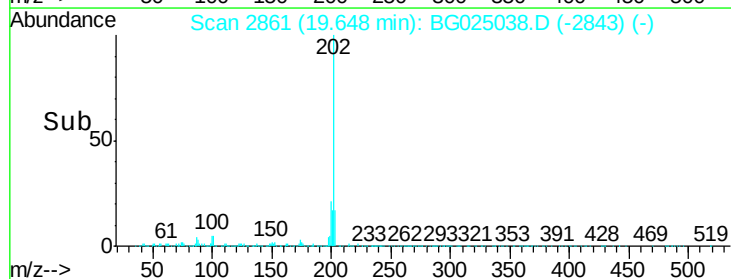
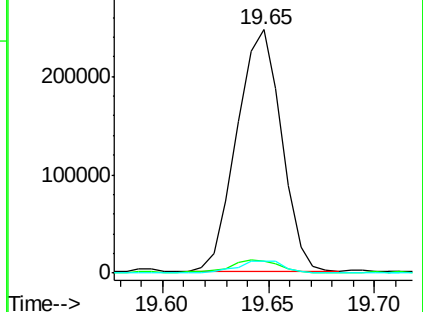
100 4.7 5.2 7.8#

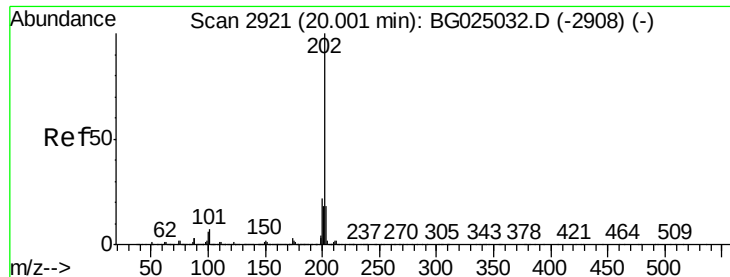


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 28.50 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.01 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampled :

DA7Y8MS

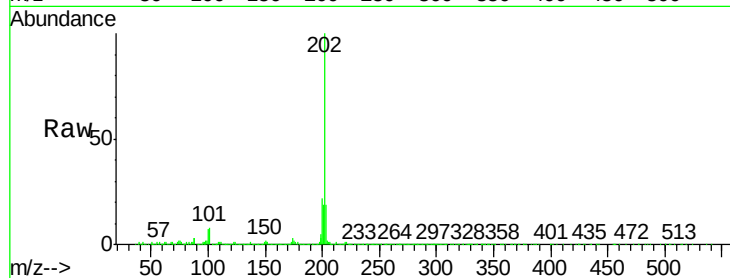
Tgt Ion:202 Resp: 1244006

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

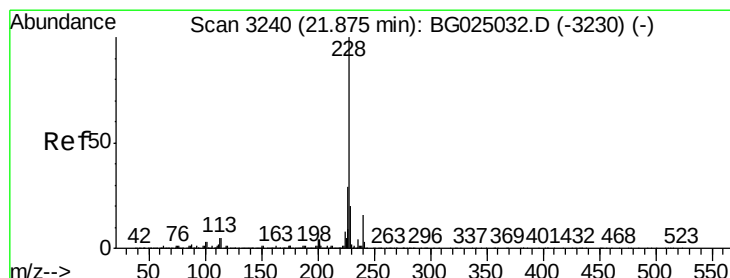
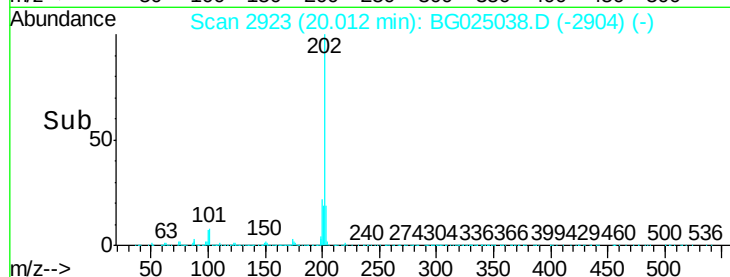
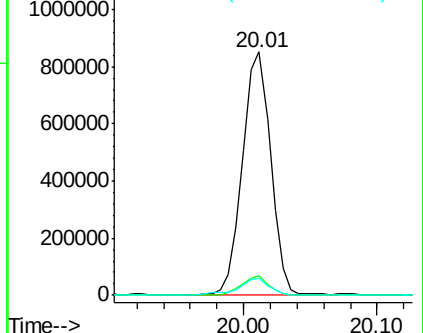
100 7.0 6.6 10.0



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): B



#80

Benzo(a)anthracene

Concen: 6.42 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

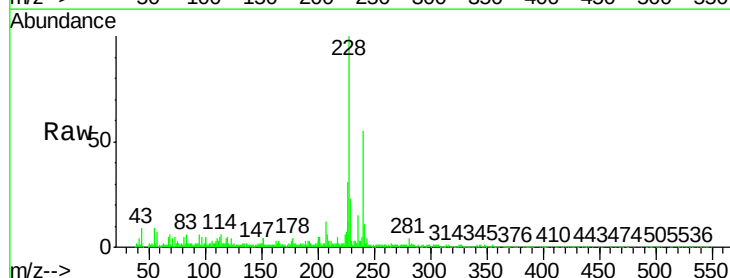
Tgt Ion:228 Resp: 302788

Ion Ratio Lower Upper

228 100

229 23.3 16.3 24.5

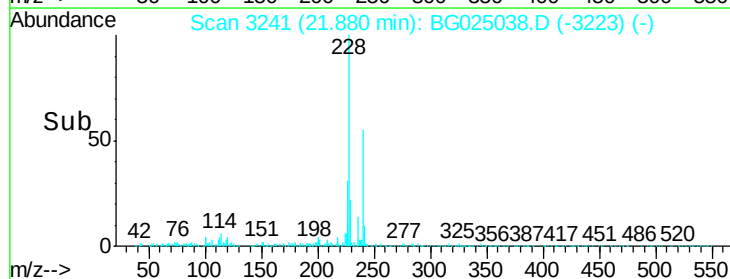
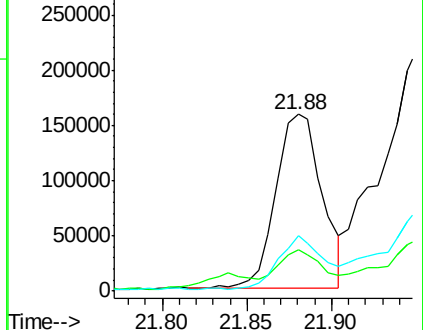
226 31.1 21.9 32.9

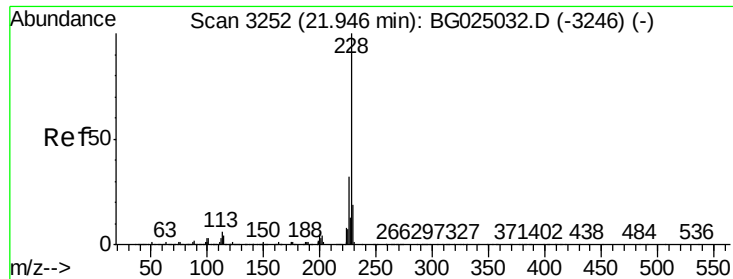


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 11.70 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

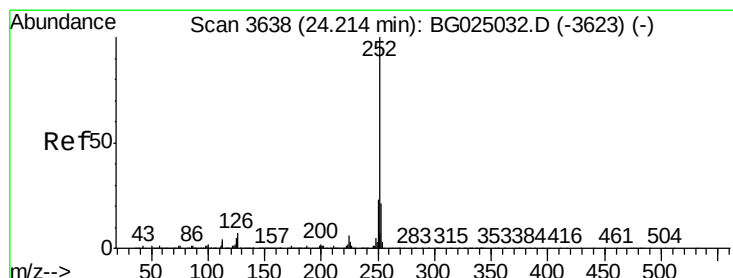
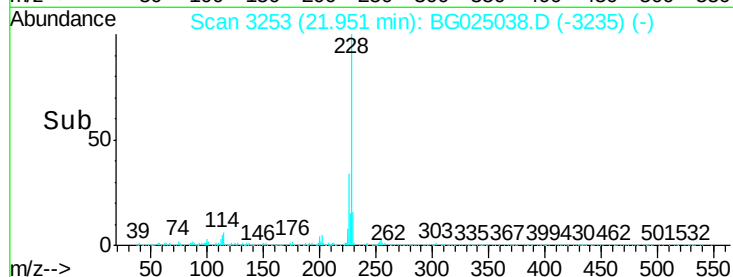
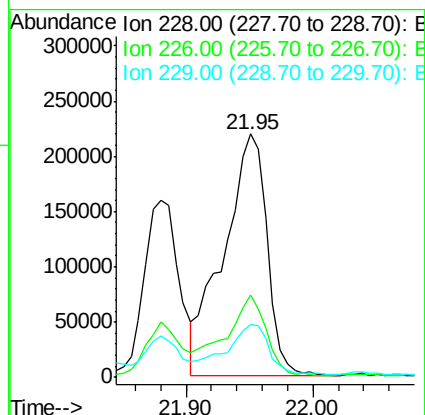
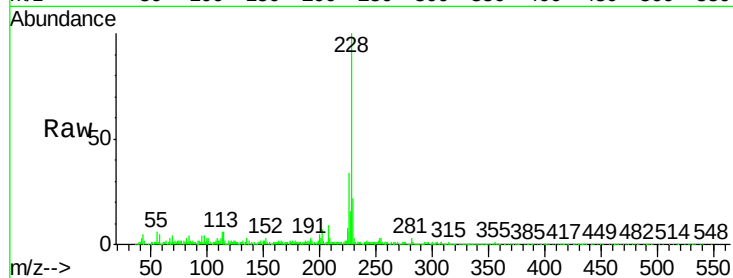
Tgt Ion:228 Resp: 516327

Ion Ratio Lower Upper

228 100

226 33.7 24.0 36.0

229 21.6 16.9 25.3



#85

Benzo(b)fluoranthene

Concen: 21.19 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.02 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

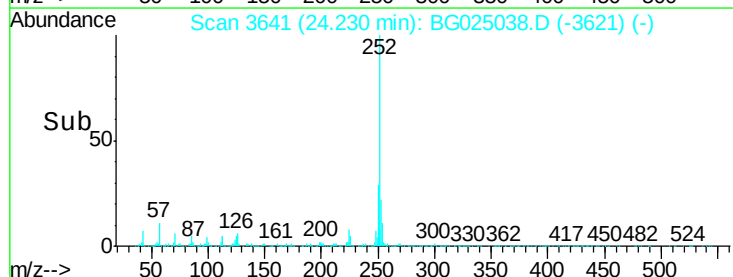
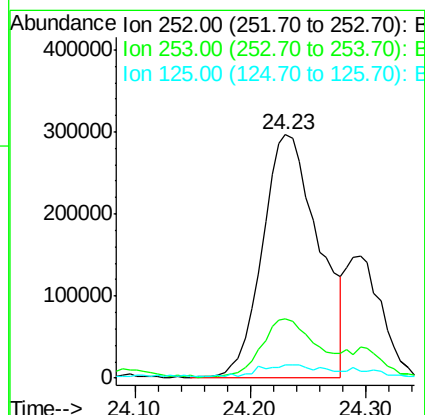
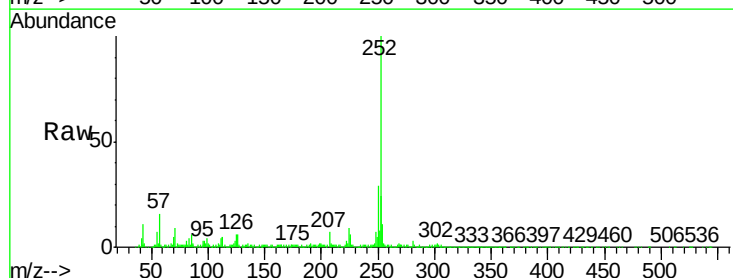
Tgt Ion:252 Resp: 998874

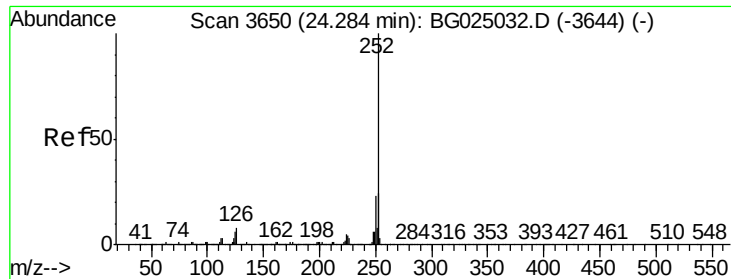
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 5.7 4.0 6.0

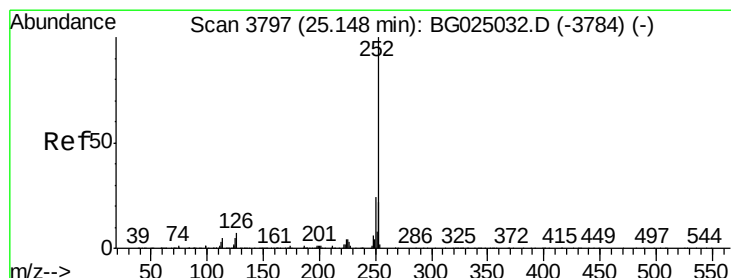
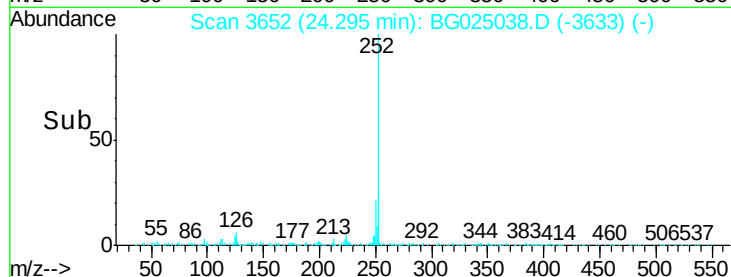
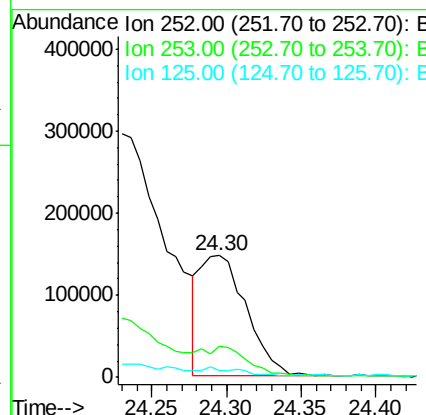
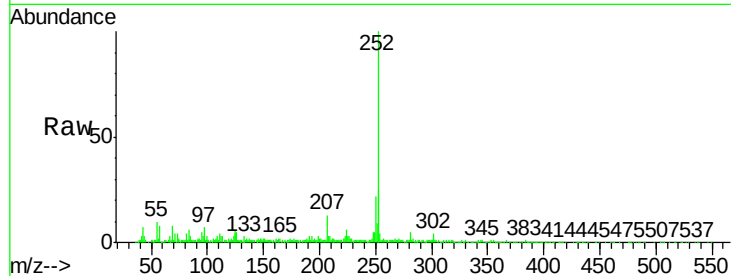




#86
Benzo(k)fluoranthene
Concen: 7.01 ng/ul
RT: 24.30 min Scan# 3652
Delta R.T. 0.01 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

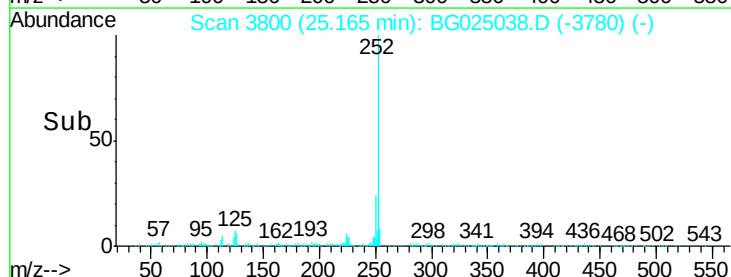
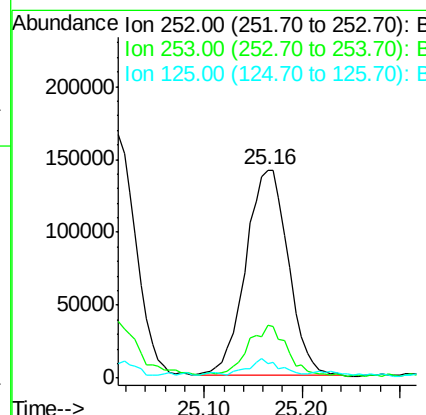
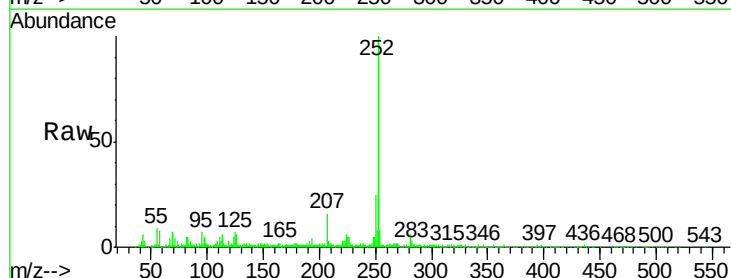
Instrument :
BNA_G
ClientSampleId :
DA7Y8MS

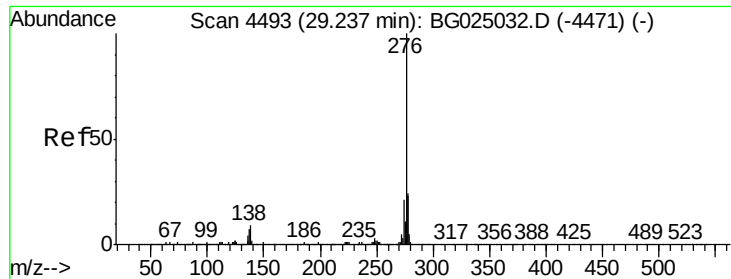
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.5	27.7
125	5.6	4.1	6.1



#88
Benzo(a)pyrene
Concen: 9.55 ng/ul
RT: 25.16 min Scan# 3800
Delta R.T. 0.02 min
Lab File: BG025038.D
Acq: 9 Dec 2016 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	6.9	5.4	8.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 8.33 ng/ul

RT: 29.26 min Scan# 4497

Delta R.T. 0.02 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS

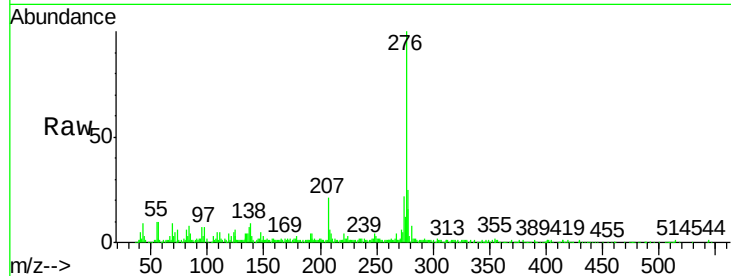
Tgt Ion:276 Resp: 469294

Ion Ratio Lower Upper

276 100

138 8.7 8.2 12.4

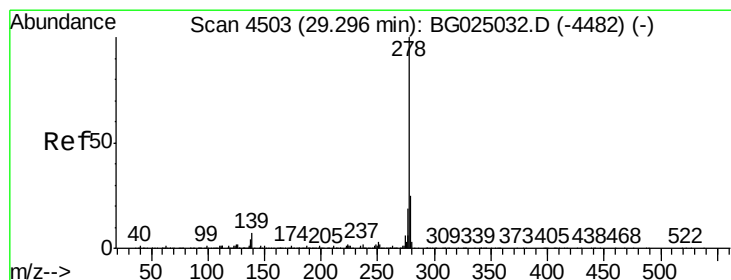
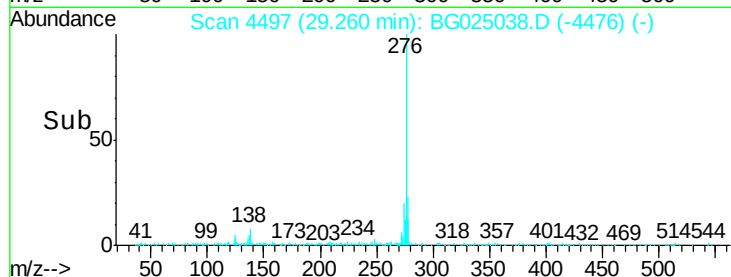
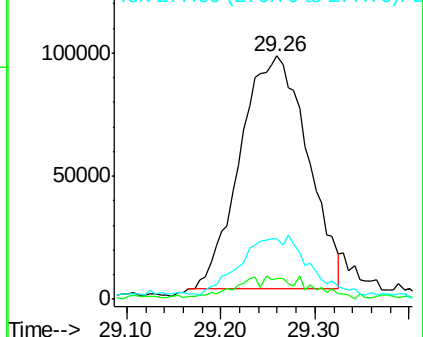
277 24.9 18.6 28.0



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



#90

Dibenzo(a,h)anthracene

Concen: 2.57 ng/ul

RT: 29.31 min Scan# 4505

Delta R.T. 0.01 min

Lab File: BG025038.D

Acq: 9 Dec 2016 15:25

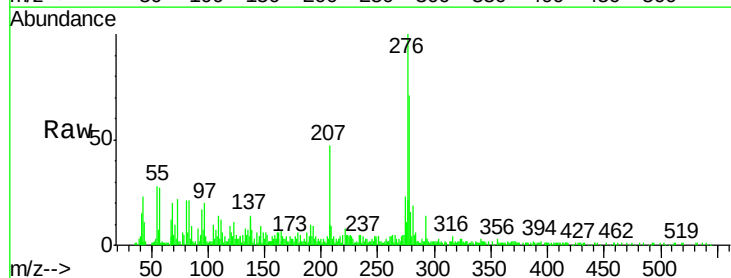
Tgt Ion:278 Resp: 121871

Ion Ratio Lower Upper

278 100

139 9.4 6.7 10.1

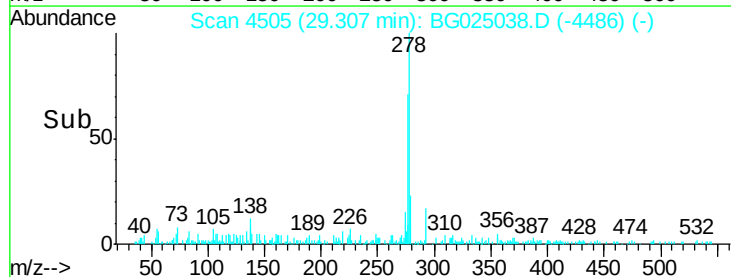
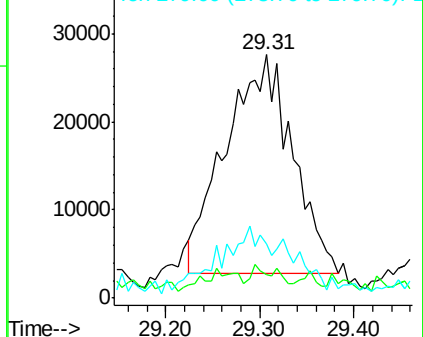
279 22.5 20.9 31.3

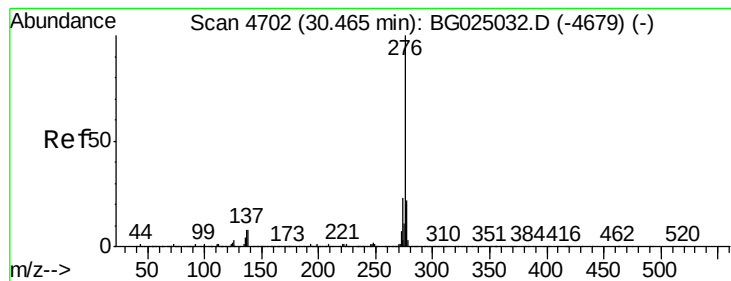


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.83 ng/ul

RT: 30.50 min Scan# 4708

Delta R.T. 0.03 min

Lab File: BG025038.D

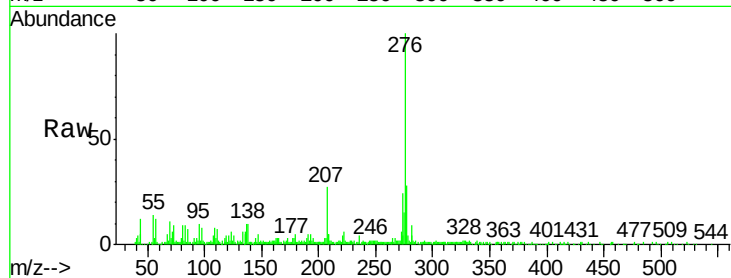
Acq: 9 Dec 2016 15:25

Instrument :

BNA_G

ClientSampleId :

DA7Y8MS



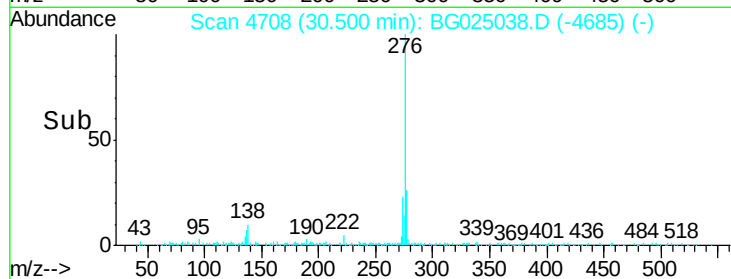
Tgt Ion: 276 Resp: 368106

Ion Ratio Lower Upper

276 100

138 10.2 8.6 12.8

277 28.0 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

