

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
 Data File : BG025039.D
 Acq On : 9 Dec 2016 16:05
 Operator : UM/SJ
 Sample : H5863-11MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y8MSD

Quant Time: Dec 11 23:59:39 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	8.25	152	88369	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	362120	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	298351	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	612553	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	727666	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	755954	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	8911	5.21	ng/uL	0.00
5) Phenol-d5	7.39	99	193732	25.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	134665	28.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	152865	28.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	148190	23.26	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	86174	33.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	104301	32.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	183982	29.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	82046	13.58	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	670352	32.66	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	717790	31.93	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	66896	18.97	ng/ul	0.01
57) Fluorene-d10	15.85	176	603817	31.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	115636	30.53	ng/ul	0.00
70) Anthracene-d10	17.71	188	831681	32.17	ng/ul	0.00
76) Pyrene-d10	19.98	212	853750	28.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	885090	28.90	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	7.42	94	245944	31.43 ng/ul	94
10) 2-Chlorophenol	7.81	128	148716	27.75 ng/ul	87
11) 2-Methylphenol	8.69	108	7126	1.24 ng/ul#	65
15) N-Nitroso-di-n-propylamine	9.04	70	162865	29.08 ng/ul	88
16) 4-Methylphenol	9.01	108	11589	1.81 ng/ul	80
24) 2,4-Dimethylphenol	10.23	107	14534	1.96 ng/ul#	75
28) Naphthalene	11.12	128	22148	1.32 ng/ul#	89
33) 4-Chloro-3-methylphenol	12.33	107	205565	27.94 ng/ul	99
34) 2-Methylnaphthalene	12.72	142	26324	1.98 ng/ul	92
44) Dimethylphthalate	14.30	163	116432	5.77 ng/ul#	96
49) Acenaphthene	14.93	153	471096	31.47 ng/ul	94
52) 4-Nitrophenol	15.08	109	85659	20.19 ng/ul	92
54) 2,4-Dinitrotoluene	15.23	165	205445	31.46 ng/ul#	90
68) Pentachlorophenol	17.25	266	139138	29.74 ng/ul	93
69) Phenanthrene	17.65	178	66441	2.27 ng/ul#	85
74) Fluoranthene	19.64	202	348060	10.02 ng/ul#	98
77) Pyrene	20.01	202	1317022	37.65 ng/ul	98
80) Benzo(a)anthracene	21.95	228	273140	7.22 ng/ul	91
82) Chrysene	21.95	228	501215	14.17 ng/ul	95
85) Benzo(b)fluoranthene	24.23	252	1051302	28.05 ng/ul#	98
86) Benzo(k)fluoranthene	24.30	252	260588	7.31 ng/ul#	99
88) Benzo(a)pyrene	25.17	252	417375	11.58 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.24	276	478013	10.67 ng/ul	97

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

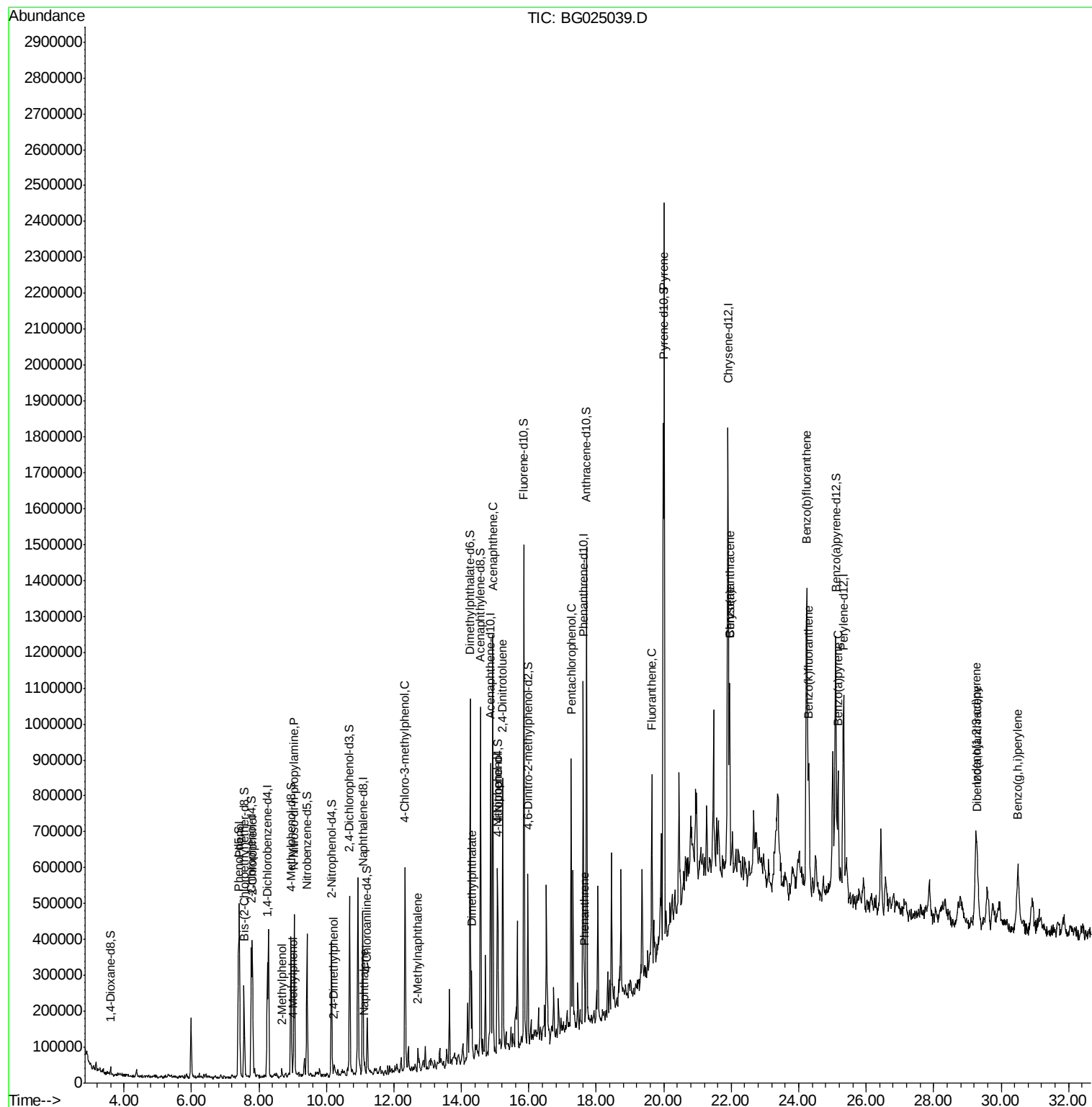
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	29.30	278	130060	3.45	ng/ul#	89
91) Benzo(g,h,i)perylene	30.50	276	361790	9.68	ng/ul#	92

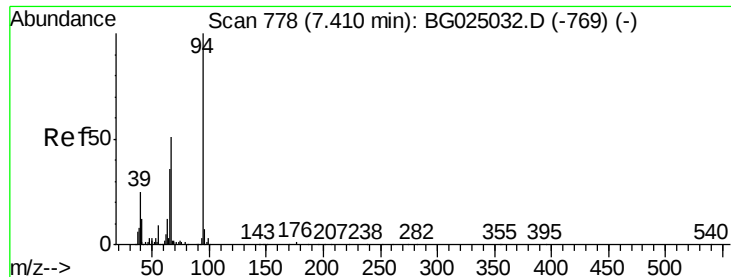
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 31.43 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

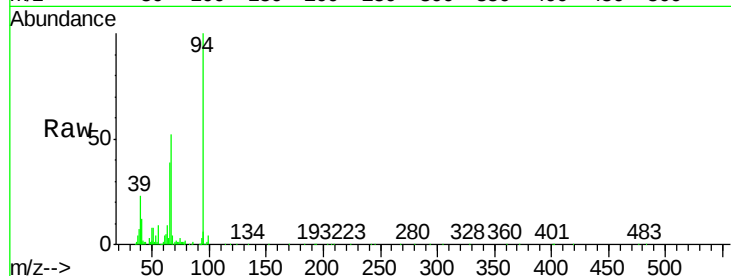
Tgt Ion: 94 Resp: 245944

Ion Ratio Lower Upper

94 100

65 39.0 26.8 40.2

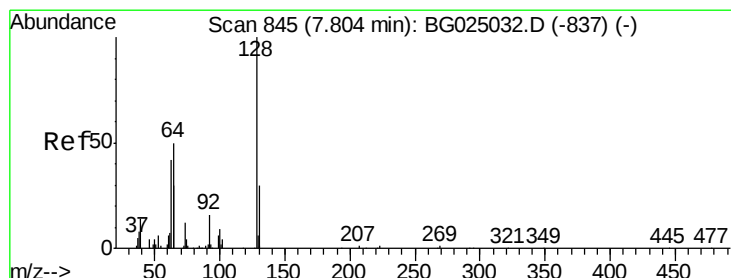
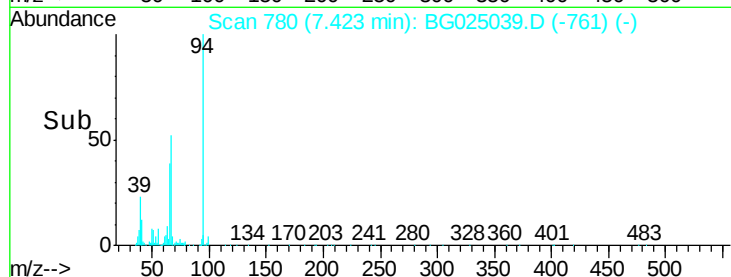
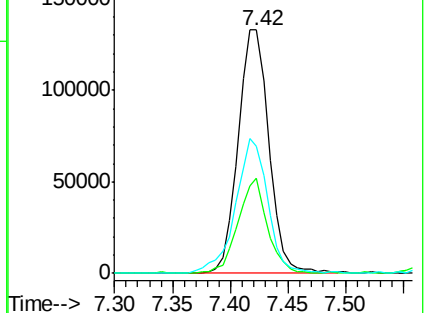
66 52.2 44.4 66.6



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: 27.75 ng/ul

RT: 7.81 min Scan# 846

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

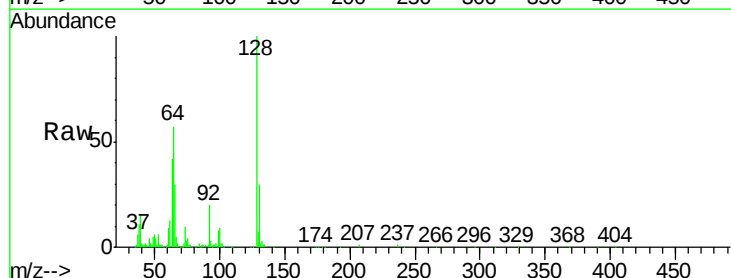
Tgt Ion: 128 Resp: 148716

Ion Ratio Lower Upper

128 100

64 57.2 56.3 84.5

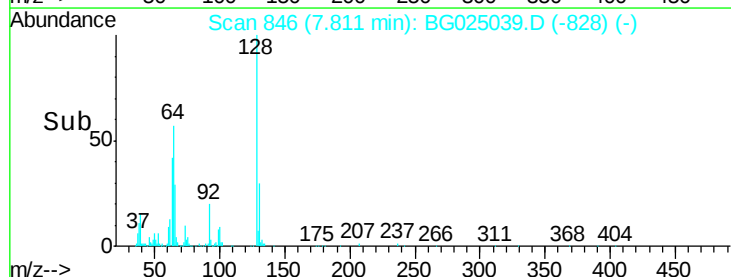
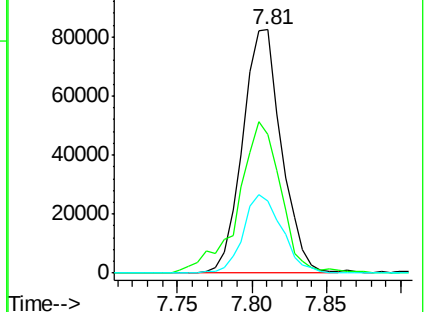
130 29.8 26.7 40.1

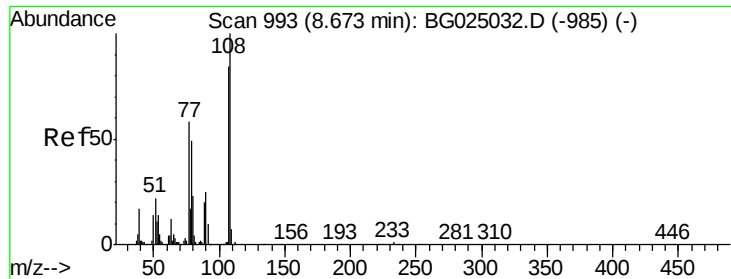


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): E

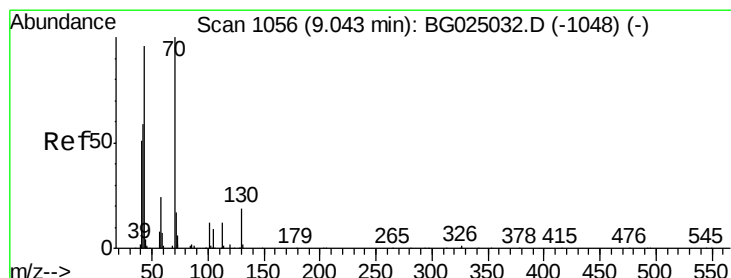
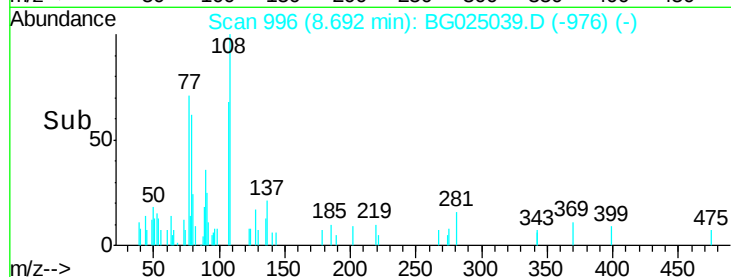
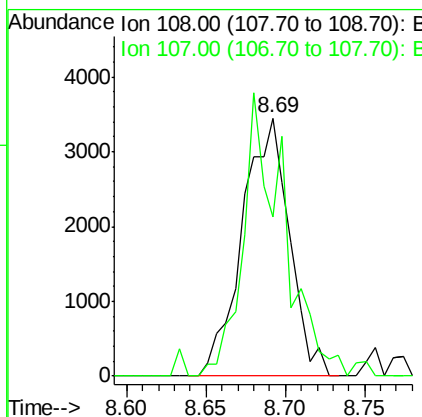
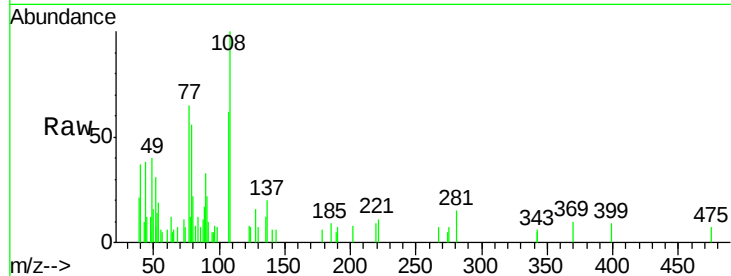




#11
2-Methylphenol
Concen: 1.24 ng/ul
RT: 8.69 min Scan# 996
Delta R.T. 0.02 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

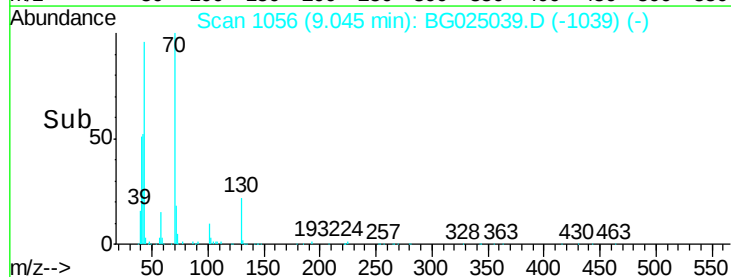
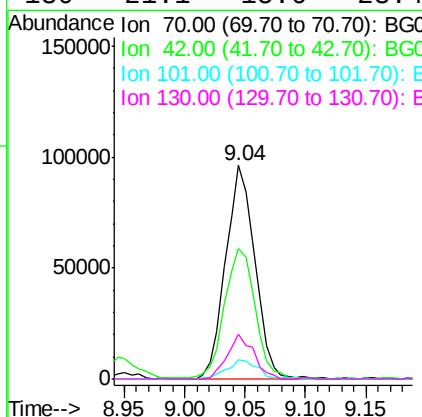
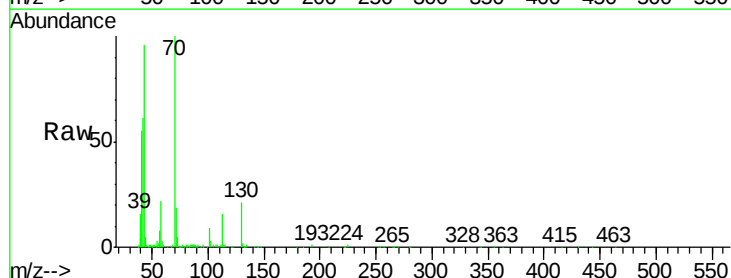
Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

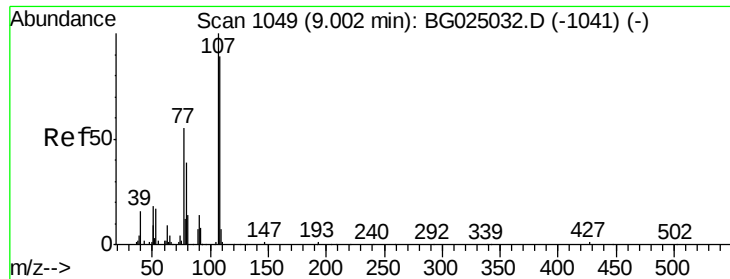
Tgt Ion:108 Resp: 7126
Ion Ratio Lower Upper
108 100
107 61.9 76.7 115.1#



#15
N-Nitroso-di-n-propylamine
Concen: 29.08 ng/ul
RT: 9.04 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion: 70 Resp: 162865
Ion Ratio Lower Upper
70 100
42 61.0 59.0 88.6
101 9.3 6.6 9.8
130 21.1 15.6 23.4

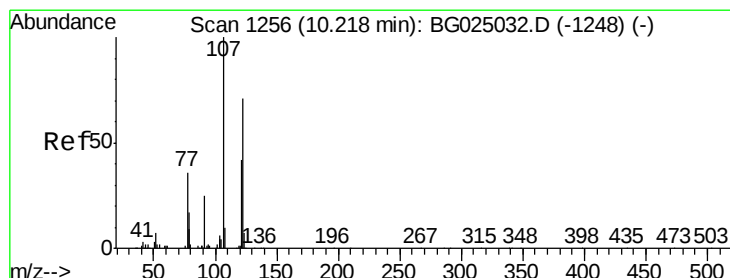
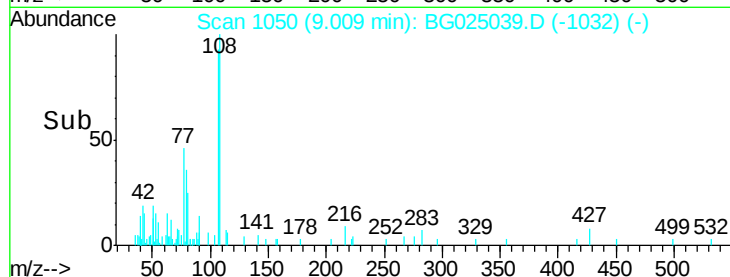
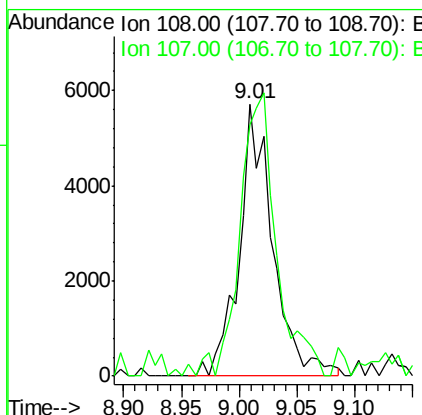
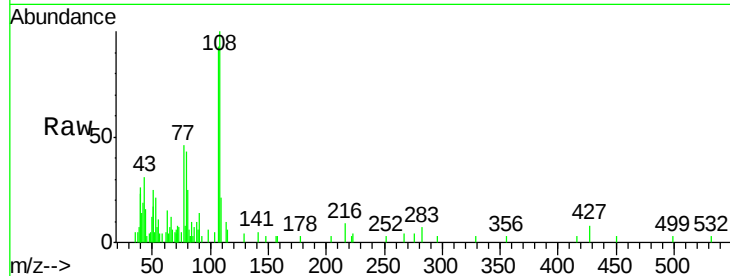




#16
4-Methylphenol
Concen: 1.81 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

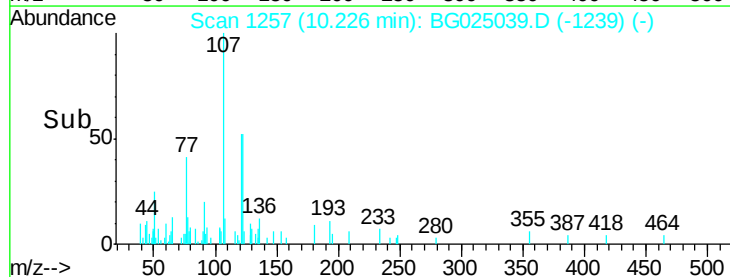
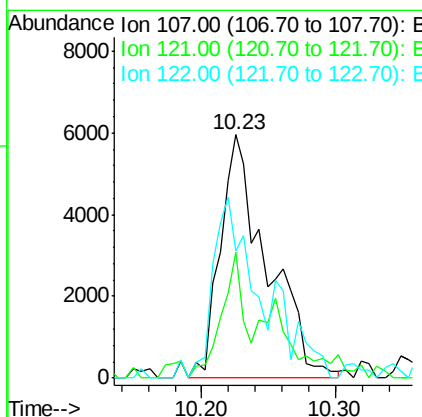
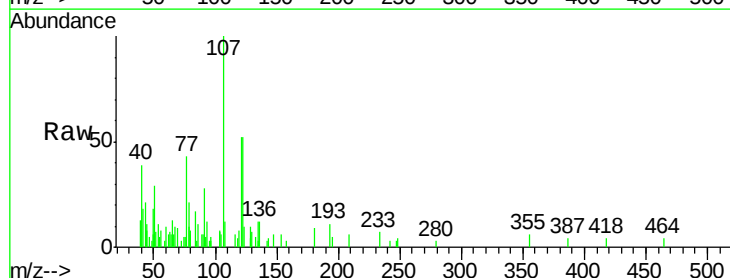
Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

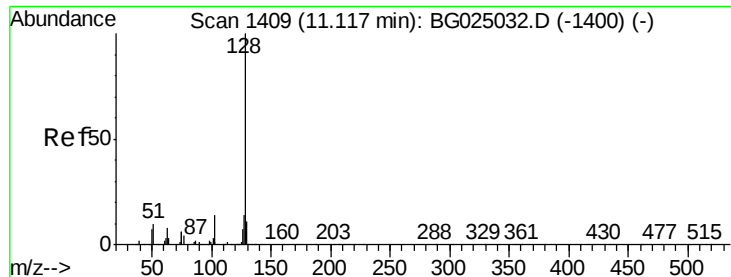
Tgt Ion:108 Resp: 11589
Ion Ratio Lower Upper
108 100
107 92.5 91.7 137.5



#24
2,4-Dimethylphenol
Concen: 1.96 ng/ul
RT: 10.23 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:107 Resp: 14534
Ion Ratio Lower Upper
107 100
121 51.8 32.3 48.5#
122 52.4 61.2 91.8#

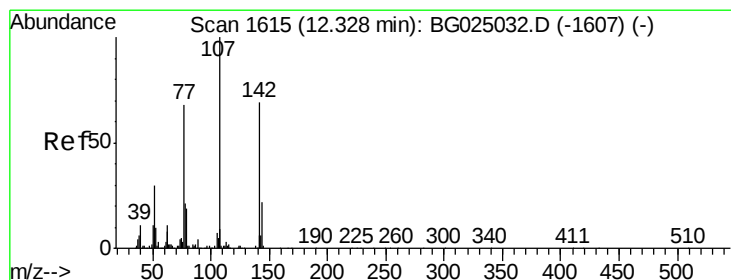
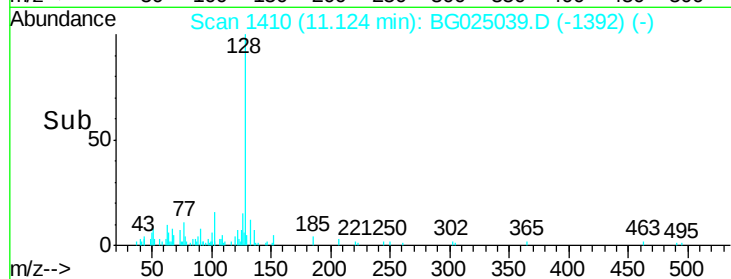
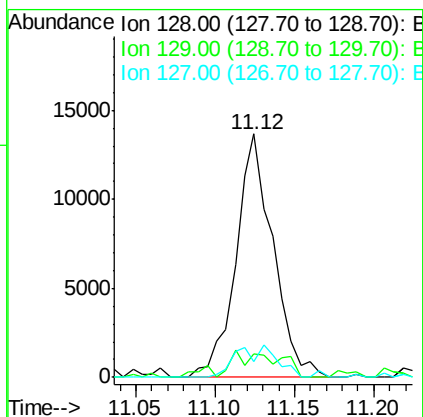
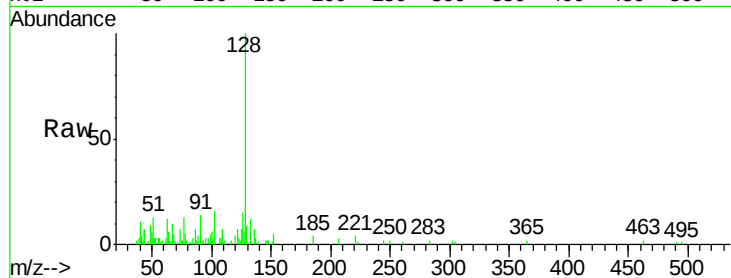




#28
Naphthalene
Concen: 1.32 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

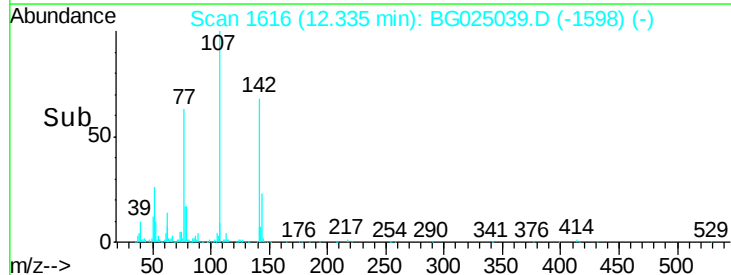
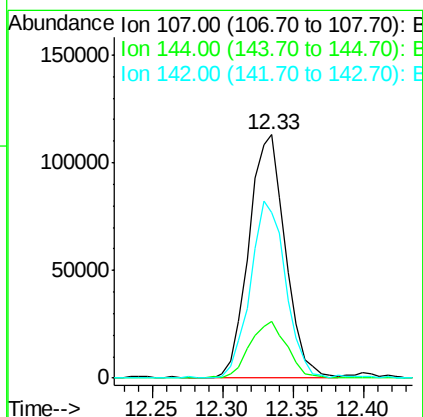
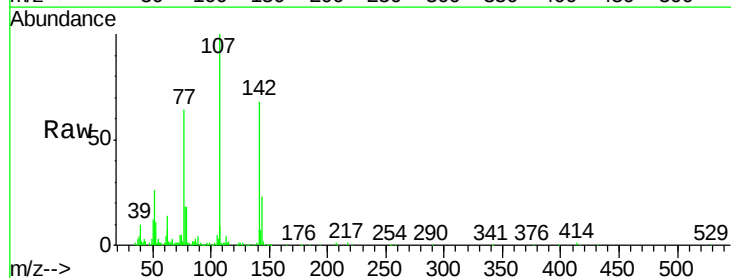
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BNA_G
ClientSampleId :
DA7Y8MSD

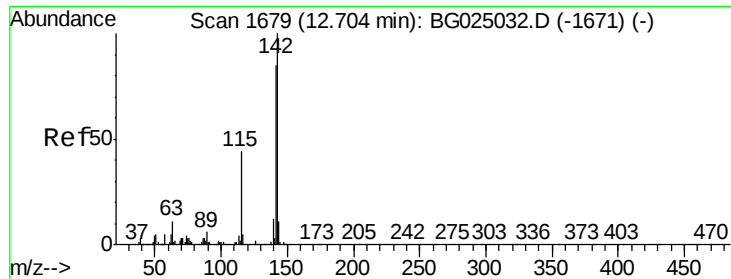
Tgt Ion:128 Resp: 22148
Ion Ratio Lower Upper
128 100
129 9.5 9.4 14.2
127 6.4 10.3 15.5#



#33
4-Chloro-3-methylphenol
Concen: 27.94 ng/ul
RT: 12.33 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:107 Resp: 205565
Ion Ratio Lower Upper
107 100
144 23.1 18.2 27.4
142 67.8 55.0 82.4

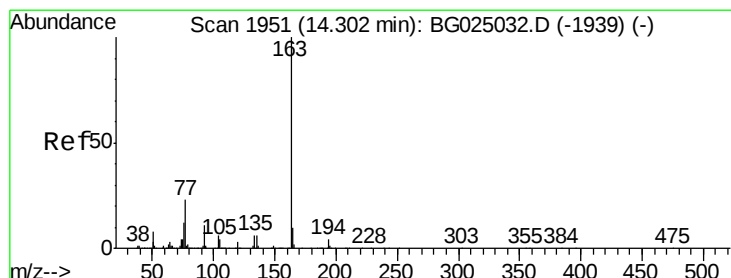
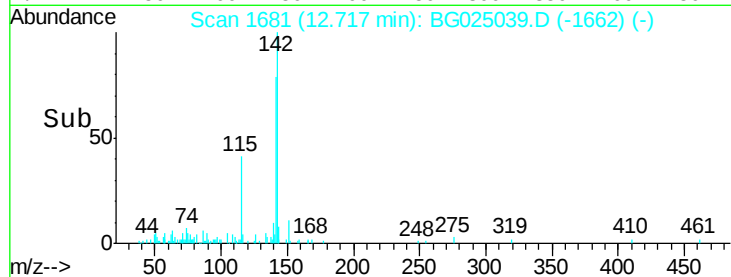
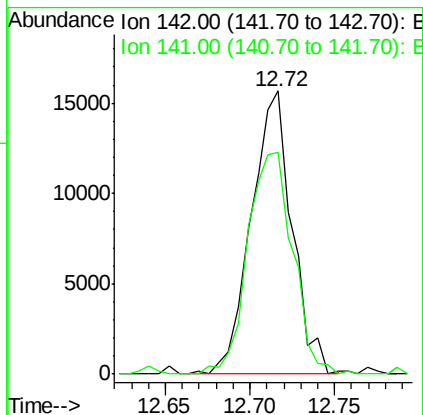
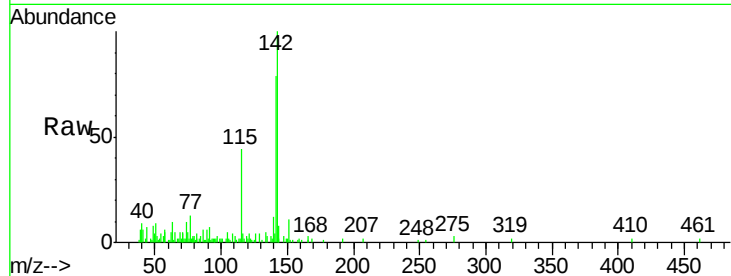




#34
 2-Methylnaphthalene
 Concen: 1.98 ng/ul
 RT: 12.72 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: BG025039.D
 Acq: 9 Dec 2016 16:05

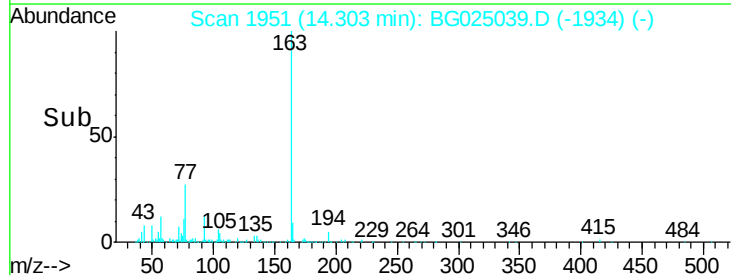
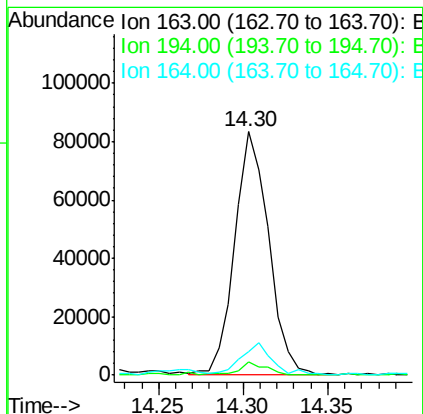
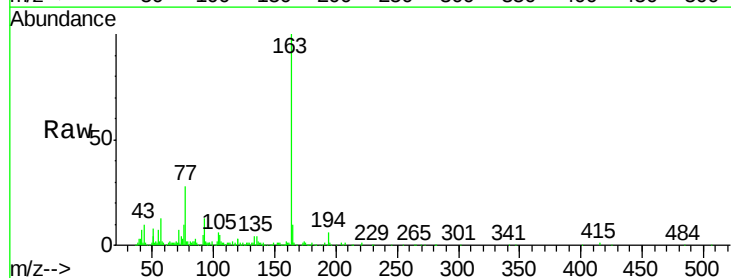
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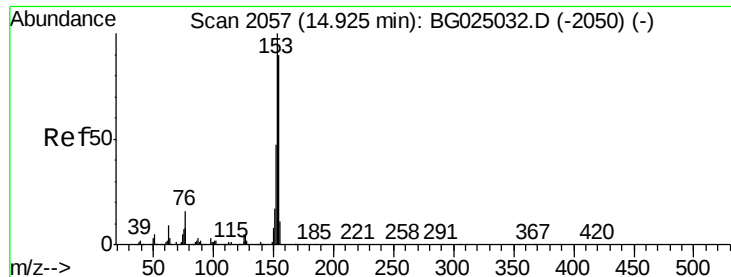
Tgt Ion:142 Resp: 26324
 Ion Ratio Lower Upper
 142 100
 141 78.6 68.6 102.8



#44
 Dimethylphthalate
 Concen: 5.77 ng/ul
 RT: 14.30 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BG025039.D
 Acq: 9 Dec 2016 16:05

Tgt Ion:163 Resp: 116432
 Ion Ratio Lower Upper
 163 100
 194 5.6 3.4 5.0#
 164 9.7 9.0 13.4





#49

Acenaphthene

Concen: 31.47 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

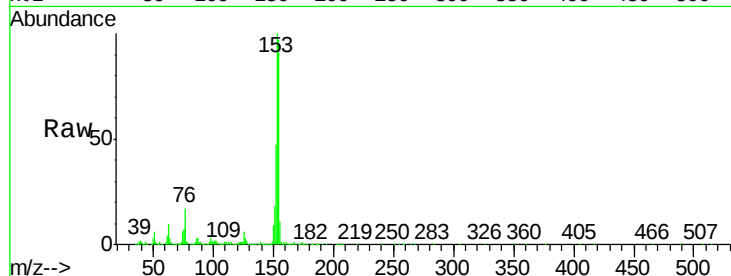
Tgt Ion:153 Resp: 471096

Ion Ratio Lower Upper

153 100

152 47.4 36.5 54.7

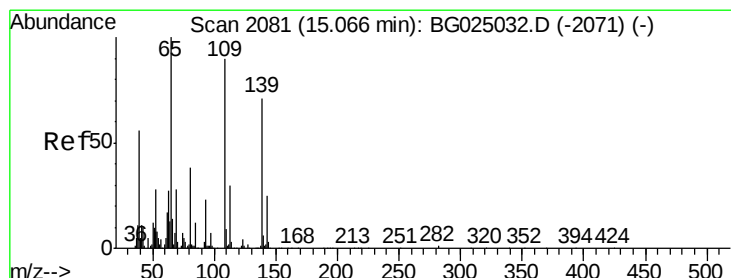
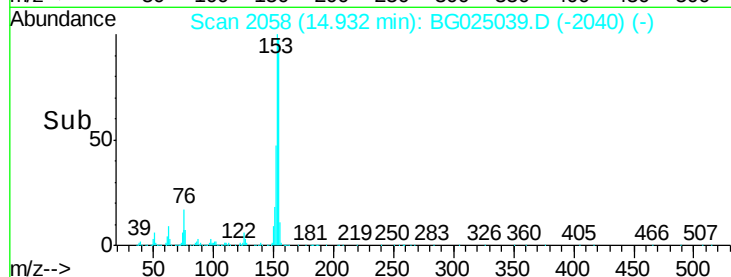
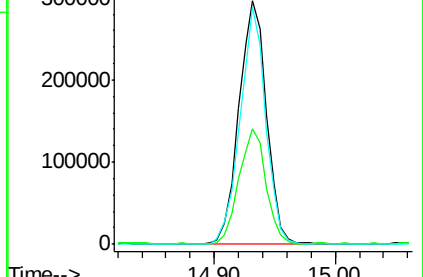
154 97.2 72.3 108.5



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: 20.19 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

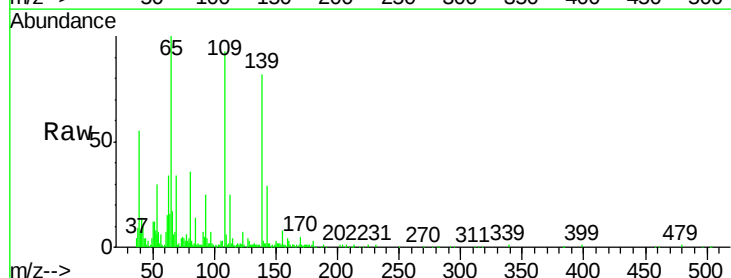
Tgt Ion:109 Resp: 85659

Ion Ratio Lower Upper

109 100

139 88.8 62.6 93.8

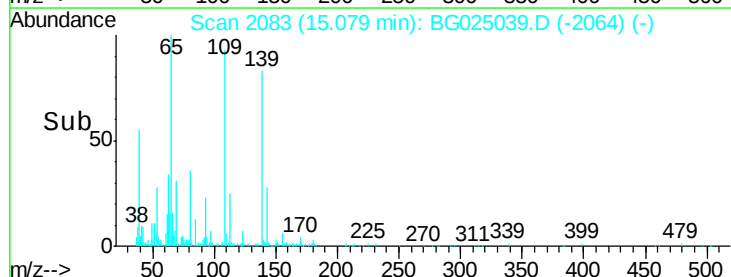
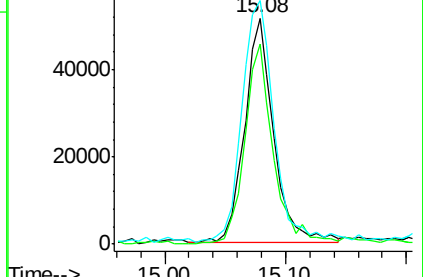
65 107.9 90.4 135.6

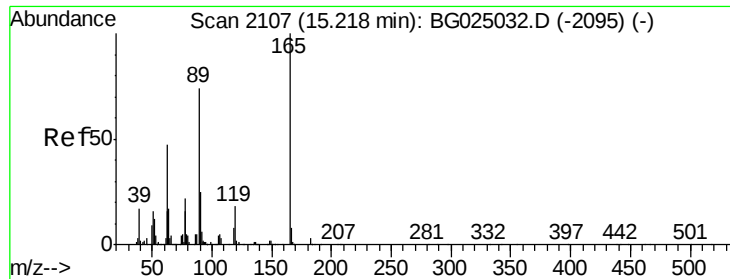


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





#54

2,4-Dinitrotoluene

Concen: 31.46 ng/ul

RT: 15.23 min Scan# 2108

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

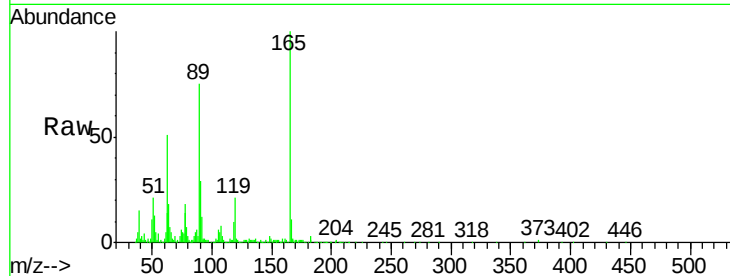
Tgt Ion:165 Resp: 205445

Ion Ratio Lower Upper

165 100

63 50.9 46.8 70.2

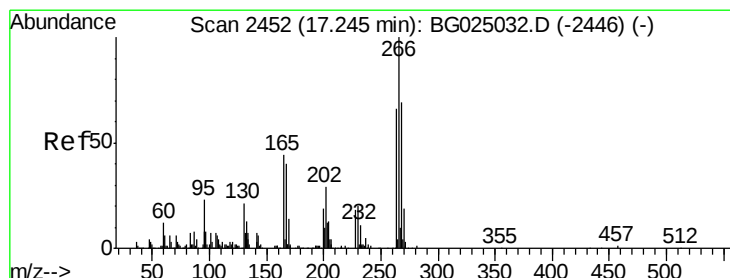
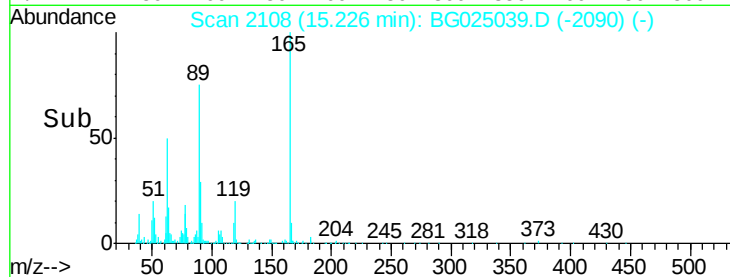
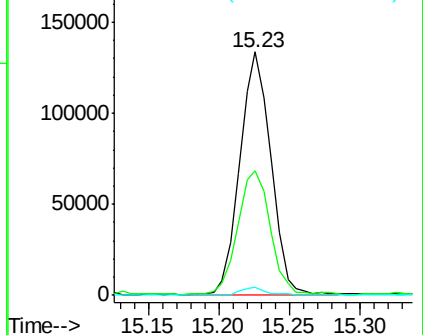
182 3.4 1.8 2.6#



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: 29.74 ng/ul

RT: 17.25 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

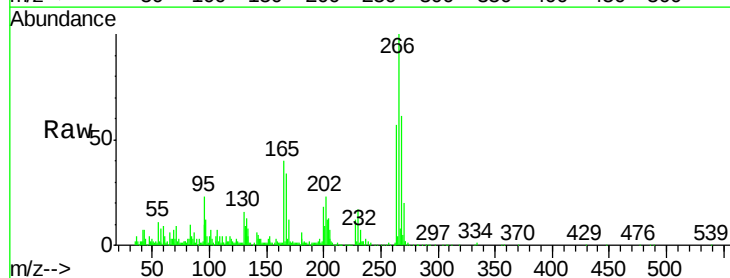
Tgt Ion:266 Resp: 139138

Ion Ratio Lower Upper

266 100

264 57.3 47.1 70.7

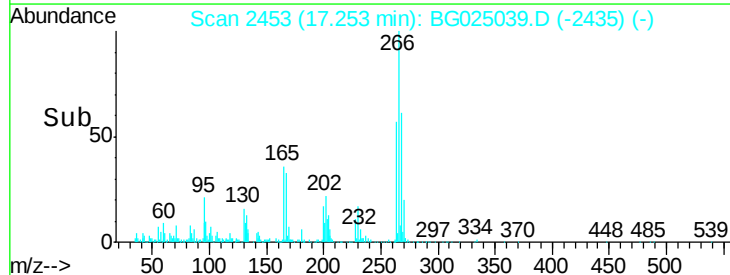
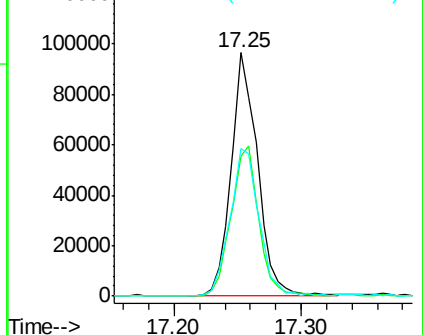
268 60.5 56.2 84.4

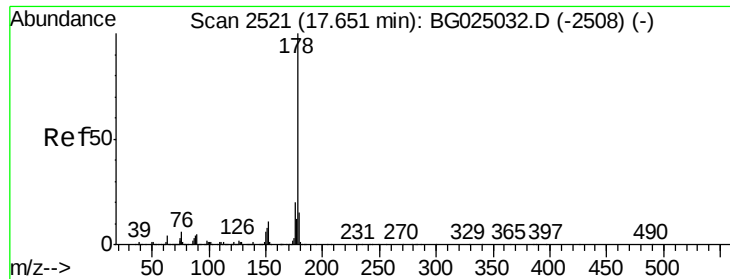


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 2.27 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

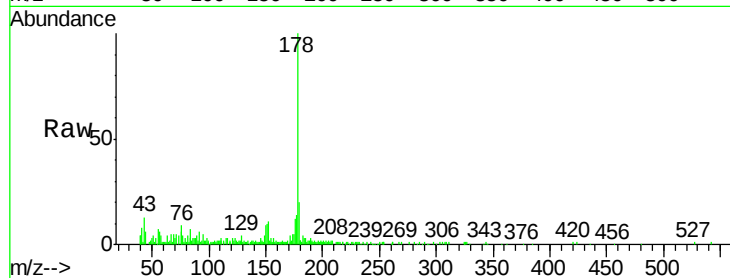
Tgt Ion:178 Resp: 66441

Ion Ratio Lower Upper

178 100

179 19.5 12.4 18.6#

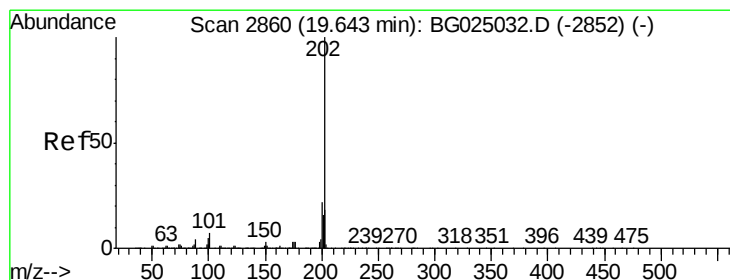
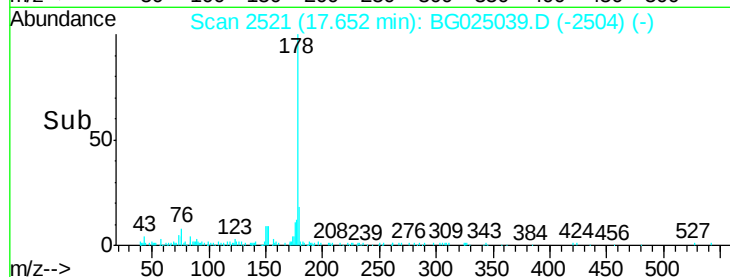
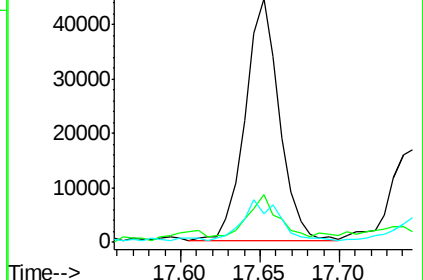
176 12.0 16.5 24.7#



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: 10.02 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

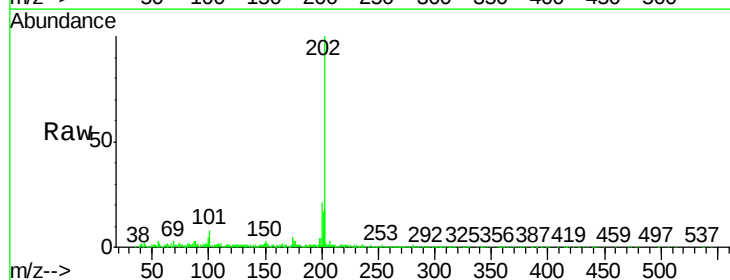
Tgt Ion:202 Resp: 348060

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.2

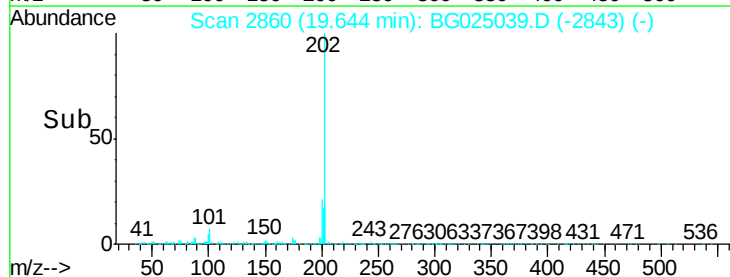
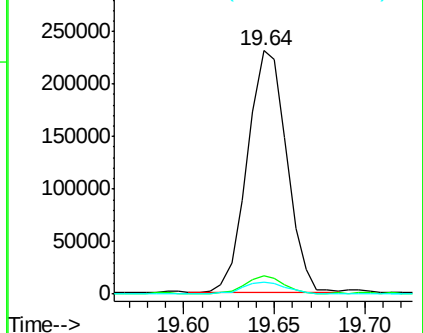
100 4.7 5.2 7.8#

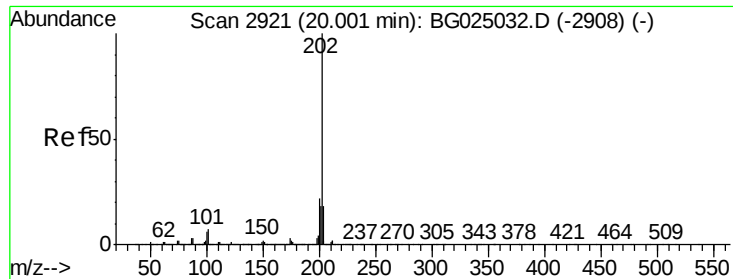


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 37.65 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

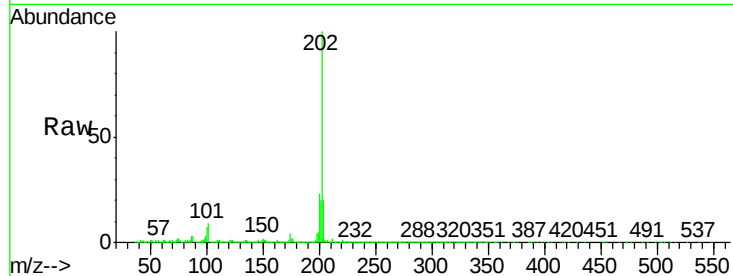
Tgt Ion:202 Resp: 1317022

Ion Ratio Lower Upper

202 100

101 8.6 6.9 10.3

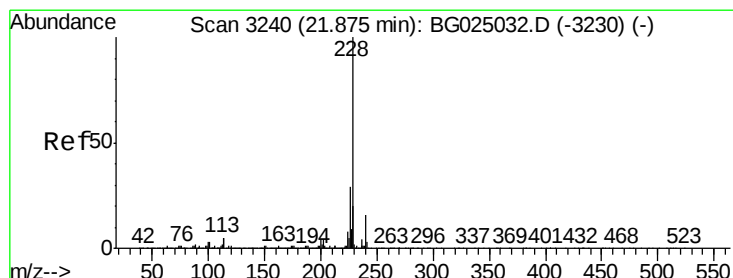
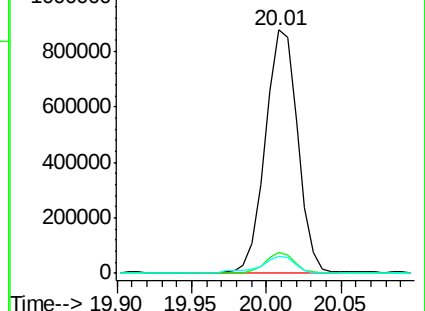
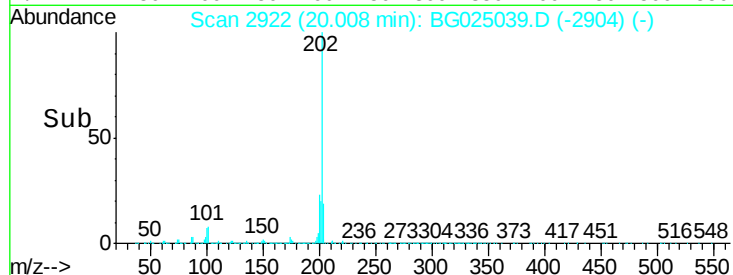
100 7.0 6.6 10.0



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: 7.22 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. 0.08 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

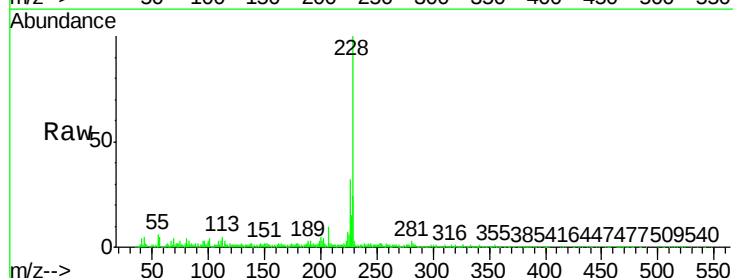
Tgt Ion:228 Resp: 273140

Ion Ratio Lower Upper

228 100

229 23.9 16.3 24.5

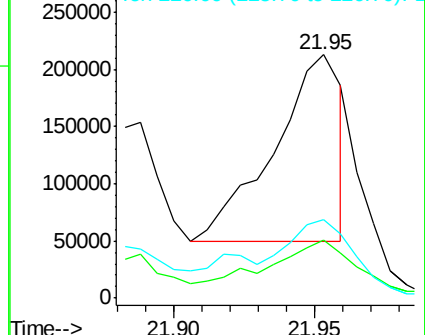
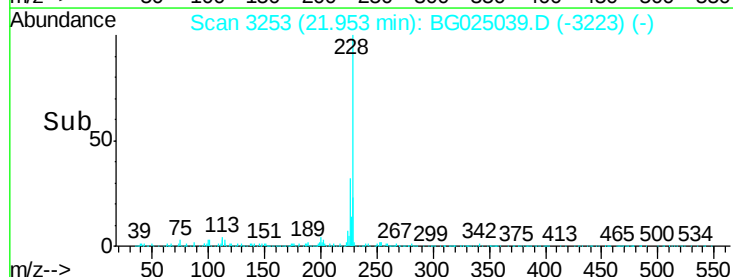
226 32.2 21.9 32.9

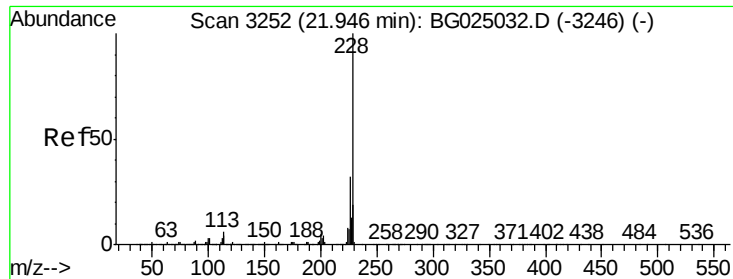


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.17 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

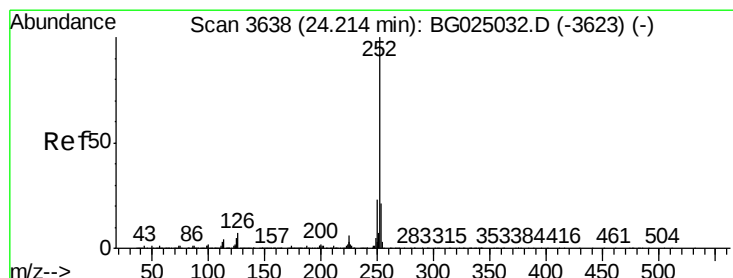
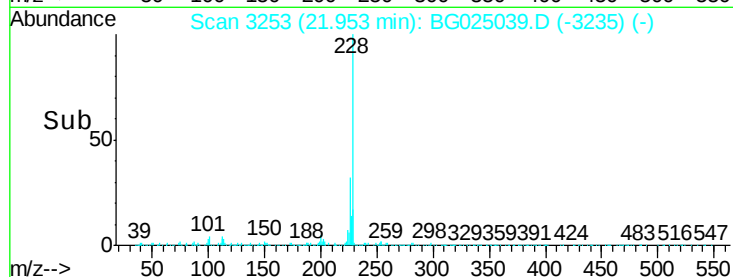
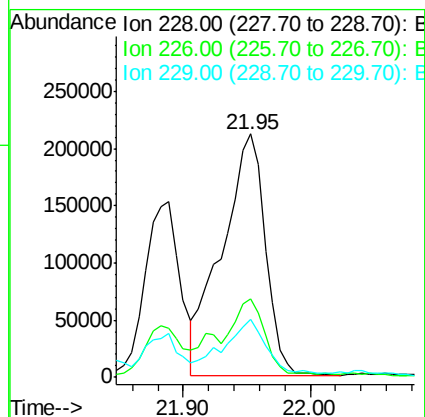
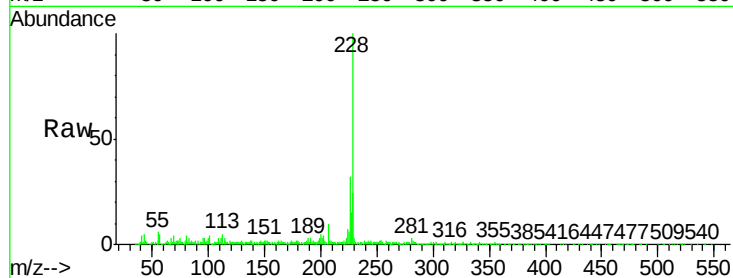
Tgt Ion:228 Resp: 501215

Ion Ratio Lower Upper

228 100

226 32.2 24.0 36.0

229 23.9 16.9 25.3



#85

Benzo(b)fluoranthene

Concen: 28.05 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.02 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

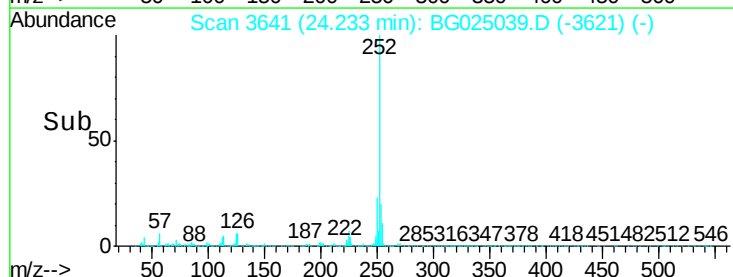
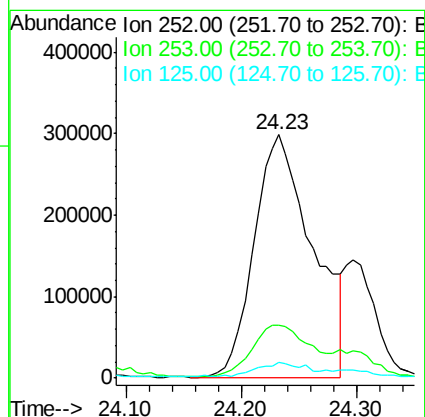
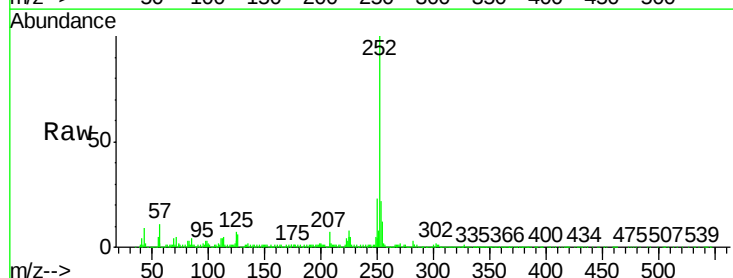
Tgt Ion:252 Resp: 1051302

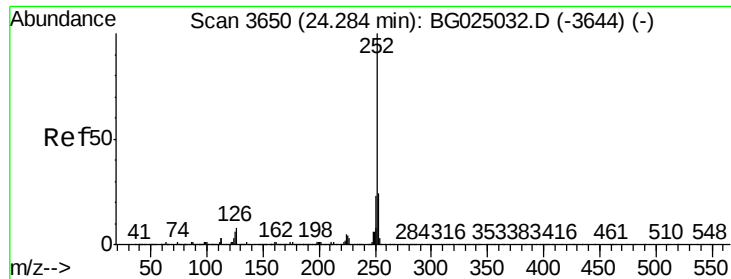
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 6.7 4.0 6.0#

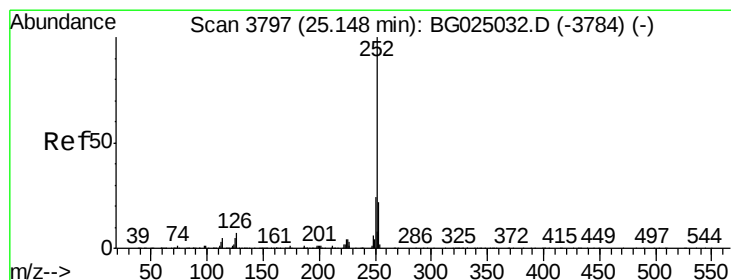
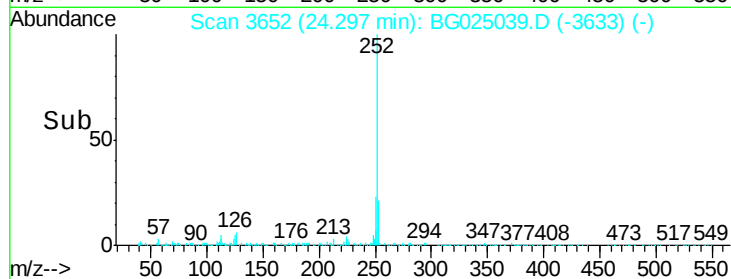
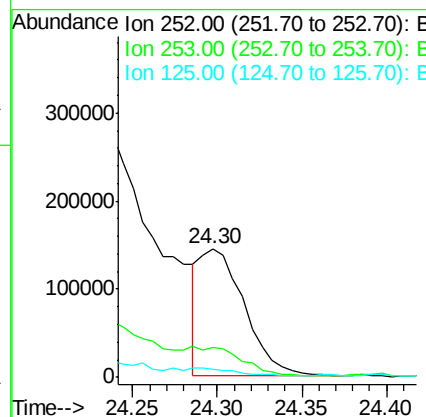
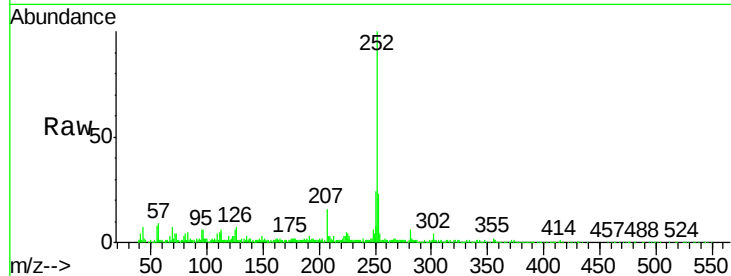




#86
Benzo(k)fluoranthene
Concen: 7.31 ng/ul
RT: 24.30 min Scan# 3652
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

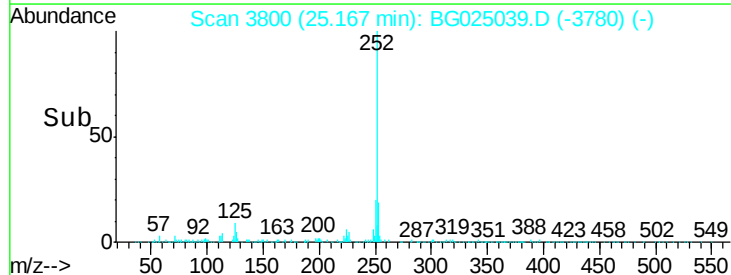
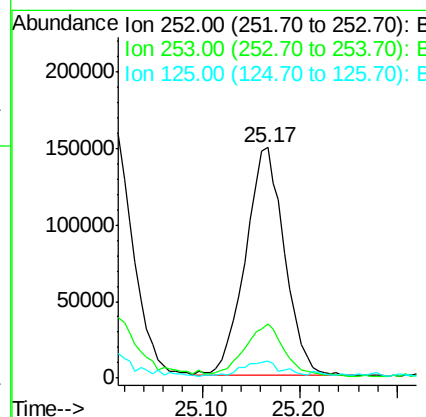
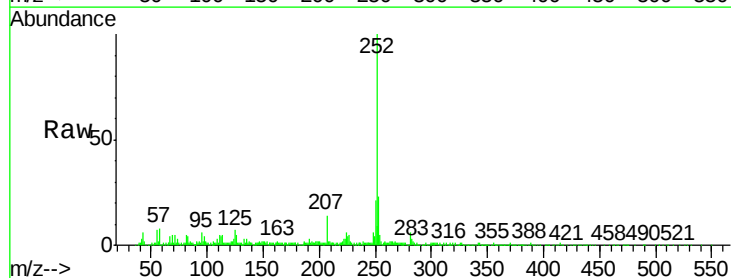
Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

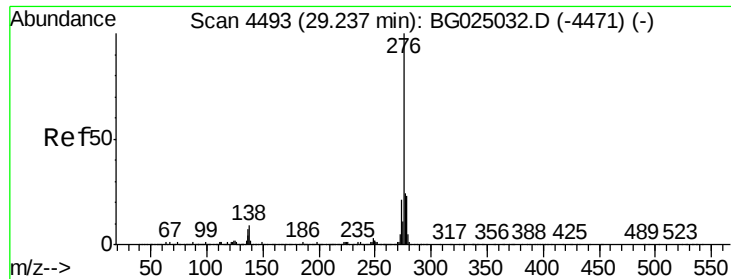
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	6.5	4.1	6.1#



#88
Benzo(a)pyrene
Concen: 11.58 ng/ul
RT: 25.17 min Scan# 3800
Delta R.T. 0.02 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	7.4	5.4	8.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.67 ng/ul

RT: 29.24 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

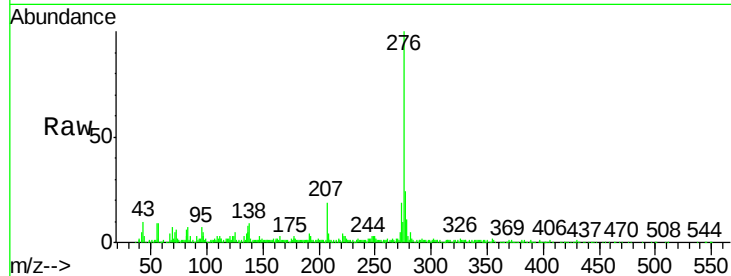
Tgt Ion:276 Resp: 478013

Ion Ratio Lower Upper

276 100

138 8.7 8.2 12.4

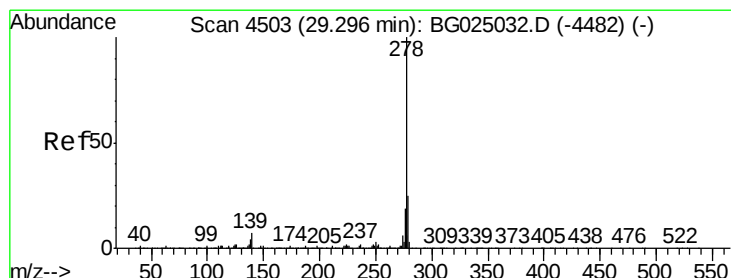
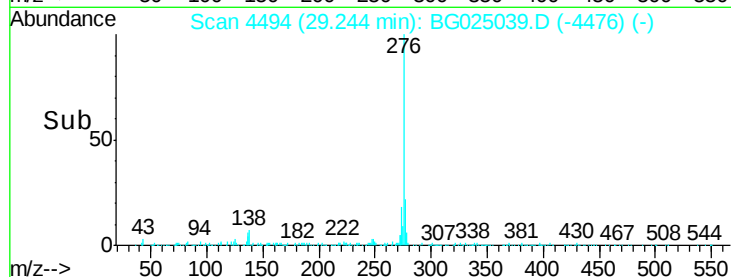
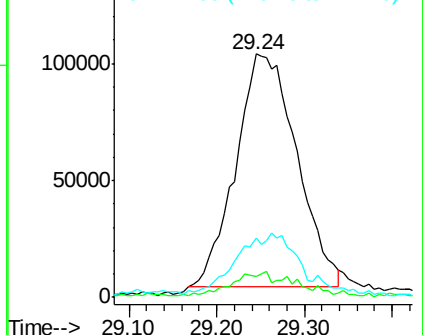
277 24.5 18.6 28.0



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: 3.45 ng/ul

RT: 29.30 min Scan# 4503

Delta R.T. 0.00 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

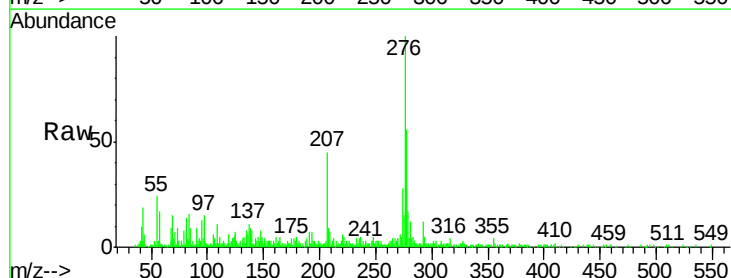
Tgt Ion:278 Resp: 130060

Ion Ratio Lower Upper

278 100

139 16.2 6.7 10.1#

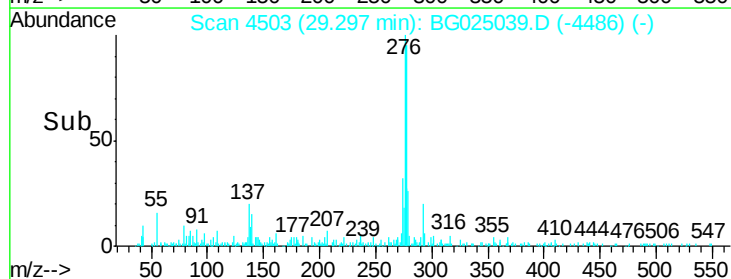
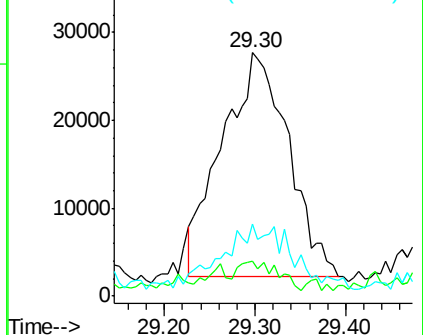
279 29.8 20.9 31.3

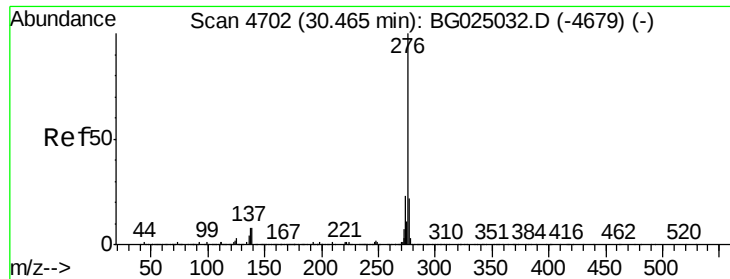


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.68 ng/ul

RT: 30.50 min Scan# 4708

Delta R.T. 0.04 min

Lab File: BG025039.D

Acq: 9 Dec 2016 16:05

Instrument :

BNA_G

ClientSampleId :

DA7Y8MSD

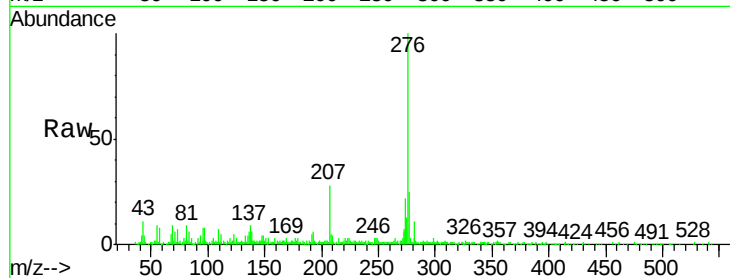
Tgt Ion: 276 Resp: 361790

Ion Ratio Lower Upper

276 100

138 6.5 8.6 12.8#

277 25.1 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

