

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025228.D
 Acq On : 16 Dec 2016 1:50
 Operator : UM/SJ
 Sample : H5995-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA883

Manual Integrations
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Quant Time: Dec 16 14:04:22 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	78823	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	322791	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.87	164	286072	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.63	188	498804	20.00	ng/ul	0.03
75) Chrysene-d12	21.91	240	614863	20.00	ng/ul	0.02
83) Perylene-d12	25.35	264	602648	20.00	ng/ul	0.05

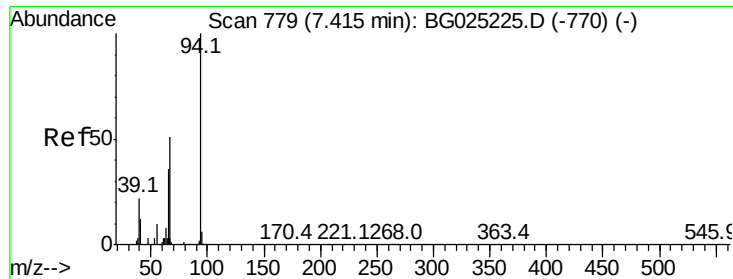
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	8576	5.62	ng/uL	0.00
5) Phenol-d5	7.39	99	97386	14.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	71702	17.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	72155	15.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	83929	14.77	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	46423	20.31	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	44443	15.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	81982	14.96	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	137781m	25.58	ng/ul	0.01
43) Dimethylphthalate-d6	14.27	166	295642	15.02	ng/ul	0.02
46) Acenaphthylene-d8	14.57	160	355040	16.47	ng/ul	0.02
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.87	176	450939m	24.35	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.72	188	425633	20.22	ng/ul	0.03
76) Pyrene-d10	19.99	212	449928	17.77	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.11	264	411195	16.84	ng/ul	0.04

Target Compounds

						Ovalue
6) Phenol	7.42	94	290864	41.67	ng/ul	96
11) 2-Methylphenol	8.68	108	348640	67.84	ng/ul	91
16) 4-Methylphenol	9.02	108	910087	159.18	ng/ul	93
24) 2,4-Dimethylphenol	10.23	107	1527703	231.11	ng/ul	95
28) Naphthalene	11.12	128	1434072	95.57	ng/ul	95
34) 2-Methylnaphthalene	12.72	142	2963542	250.27	ng/ul	92
40) 1,1'-Biphenyl	13.70	154	561327	32.36	ng/ul	97
49) Acenaphthene	14.94	153	409568	28.53	ng/ul#	75
53) Dibenzofuran	15.27	168	759461	33.45	ng/ul#	75
58) Fluorene	15.92	166	1162720	62.90	ng/ul#	96
69) Phenanthrene	17.67	178	2164274	90.91	ng/ul#	88
74) Fluoranthene	19.66	202	373190	13.19	ng/ul#	94
77) Pyrene	20.02	202	555127	18.78	ng/ul#	96

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



#6

Phenol

Concen: 41.67 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

Instrument :

BNA_G

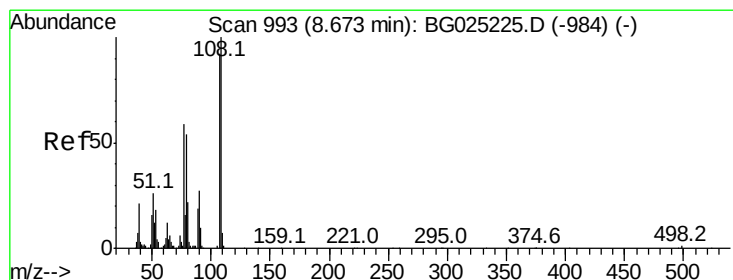
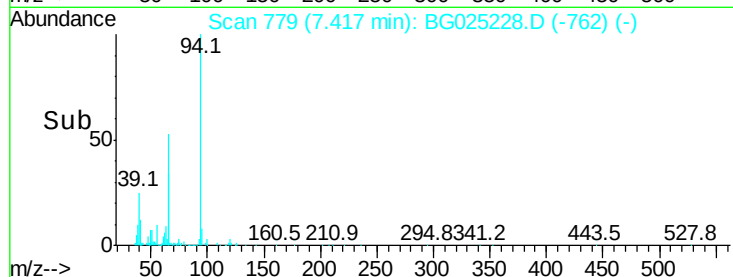
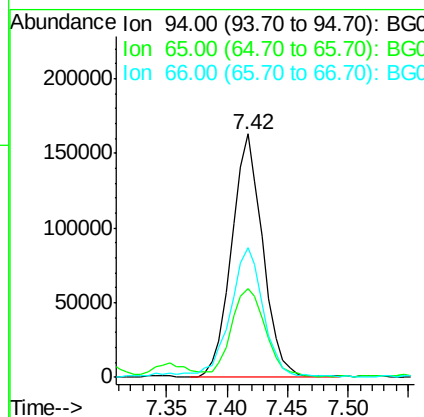
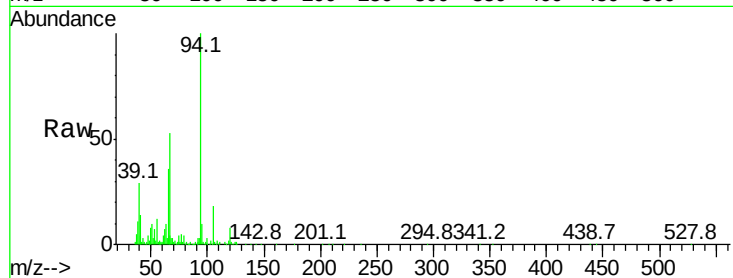
ClientSampleId :

DA883

Tot Ion:	94	Resp:	290864
Ion Ratio	Lower	Upper	
94	100		
65	36.2	26.8	40.2
66	53.1	44.4	66.6

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#11

2-Methylphenol

Concen: 67.84 ng/ul

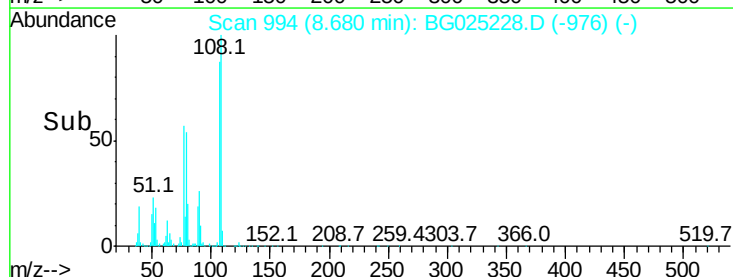
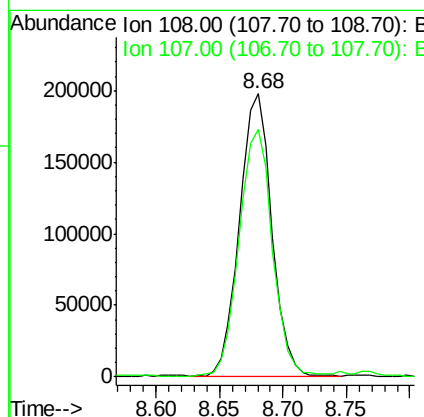
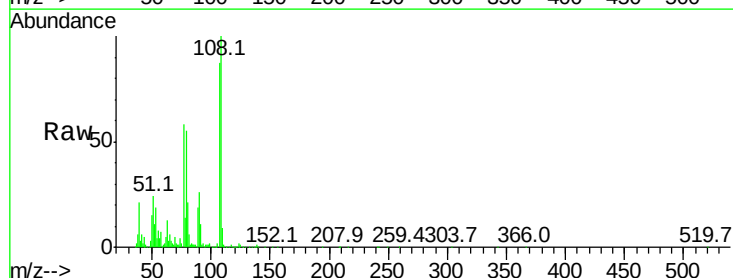
RT: 8.68 min Scan# 994

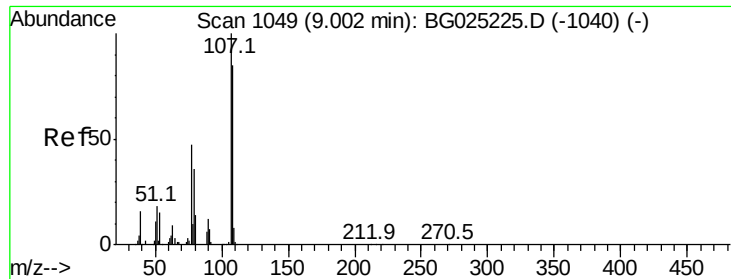
Delta R.T. 0.01 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

Tgt Ion:	108	Resp:	348640
Ion Ratio	Lower	Upper	
108	100		
107	87.5	76.7	115.1





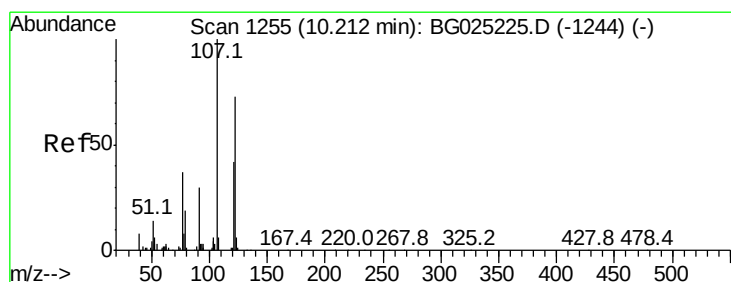
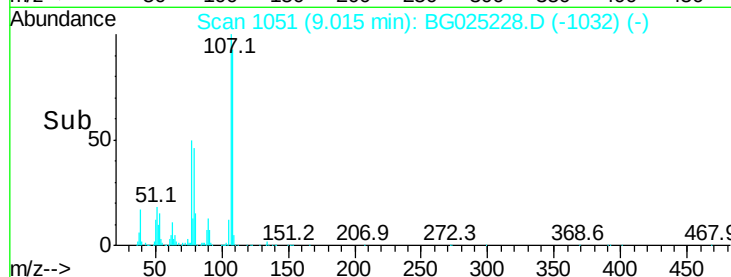
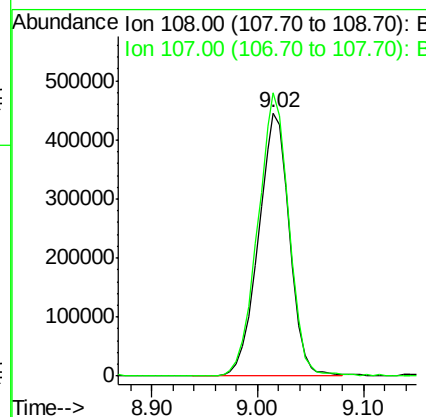
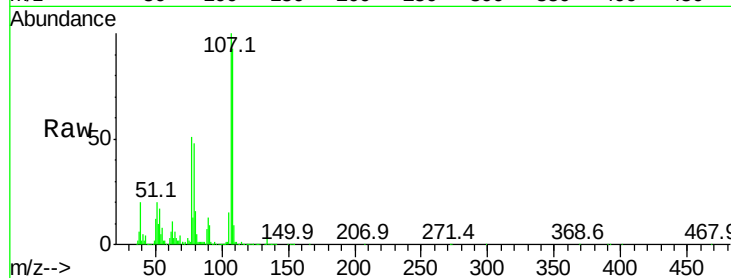
#16
4-Methylphenol
Concen: 159.18 ng/ul
RT: 9.02 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BG025228.D
Acq: 16 Dec 2016 1:50

Instrument :
BNA_G
ClientSampled :
DA883

Tot Ion:108 Resp: 910087
Ion Ratio Lower Upper
108 100
107 107.5 91.7 137.5

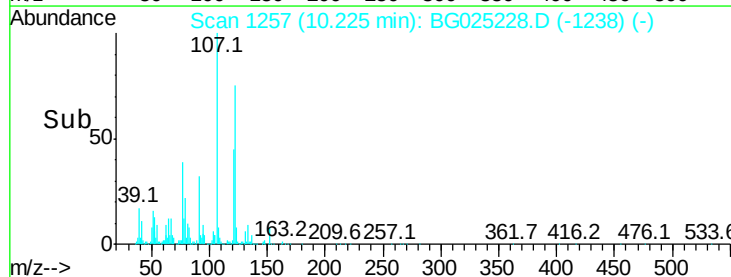
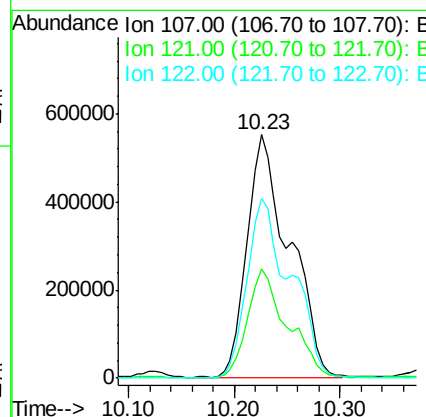
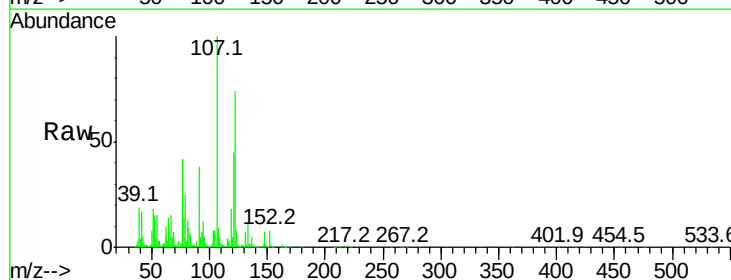
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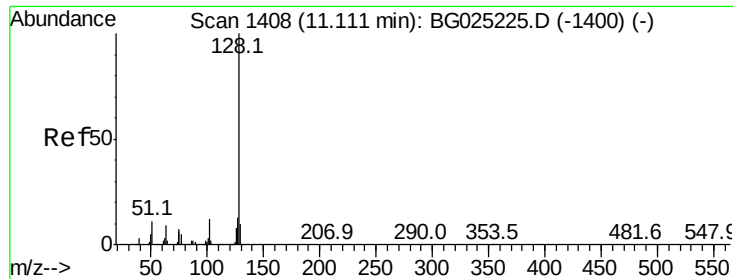
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#24
2,4-Dimethylphenol
Concen: 231.11 ng/ul
RT: 10.23 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025228.D
Acq: 16 Dec 2016 1:50

Tgt Ion:107 Resp: 1527703
Ion Ratio Lower Upper
107 100
121 45.0 32.3 48.5
122 73.6 61.2 91.8





#28

Naphthalene

Concen: 95.57 ng/ul

RT: 11.12 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

Instrument :

BNA_G

ClientSampleId :

DA883

Tot Ion:128 Resp: 1434072

Ion Ratio Lower Upper

128 100

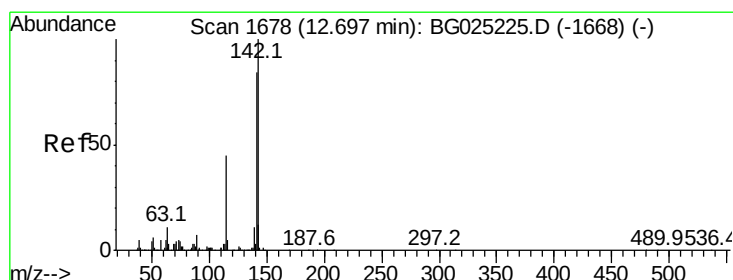
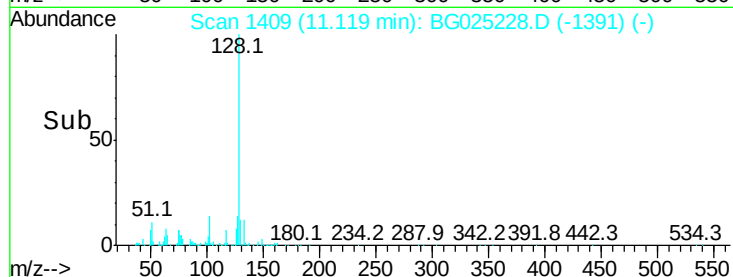
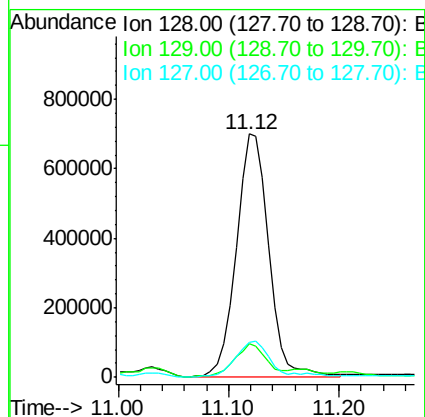
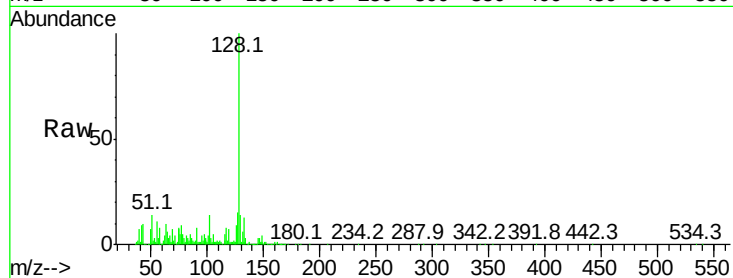
129 13.7 9.4 14.2

127 14.6 10.3 15.5

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#34

2-Methylnaphthalene

Concen: 250.27 ng/ul

RT: 12.72 min Scan# 1682

Delta R.T. 0.03 min

Lab File: BG025228.D

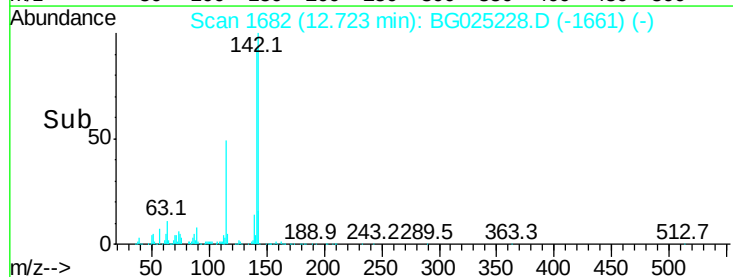
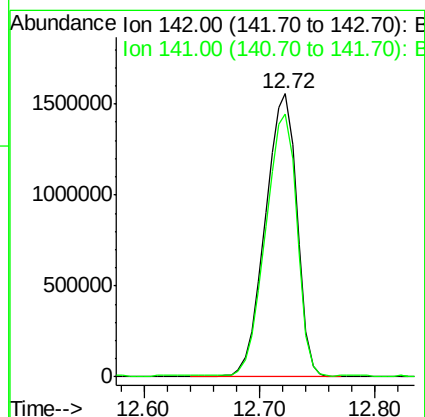
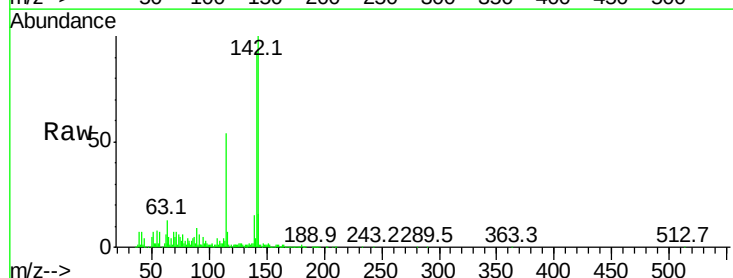
Acq: 16 Dec 2016 1:50

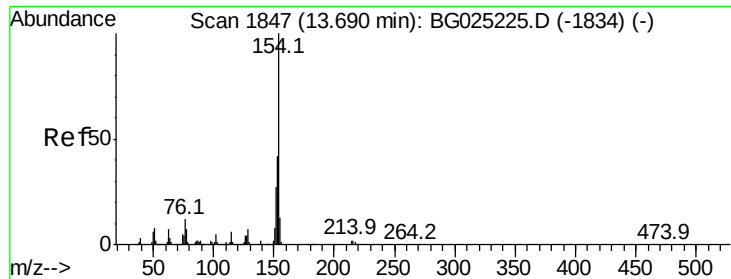
Tgt Ion:142 Resp: 2963542

Ion Ratio Lower Upper

142 100

141 92.8 68.6 102.8





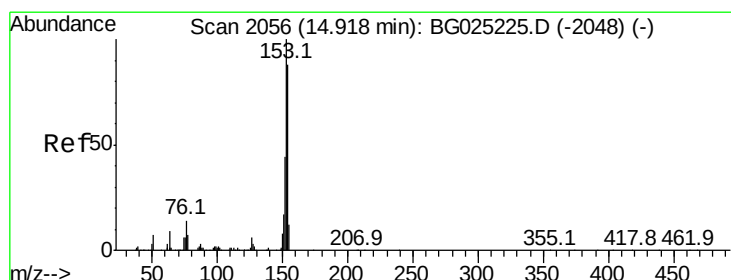
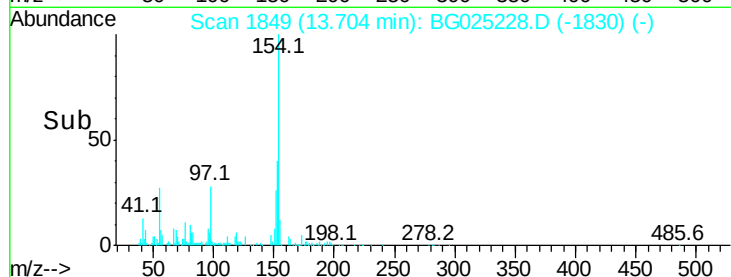
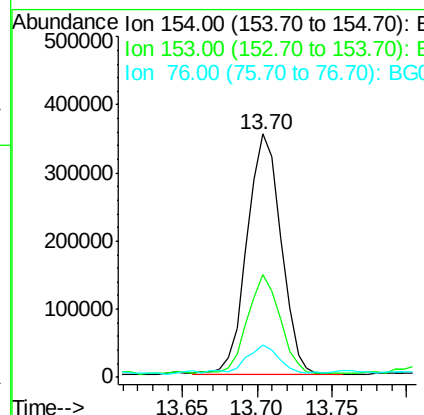
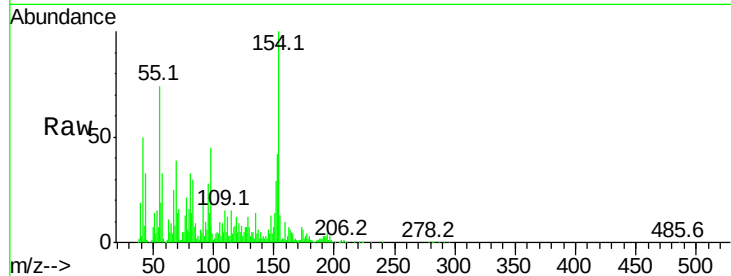
#40
 1,1'-Biphenyl
 Concen: 32.36 ng/ul
 RT: 13.70 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BG025228.D
 Acq: 16 Dec 2016 1:50

Instrument :
 BNA_G
 ClientSampleId :
 DA883

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.3	32.2	48.2	
76	13.2	9.6	14.4	

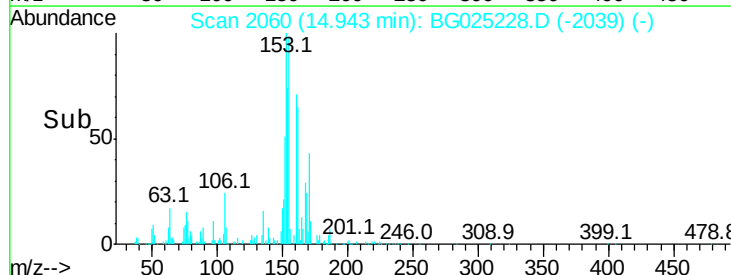
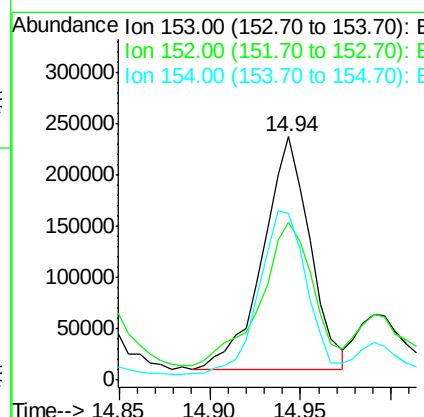
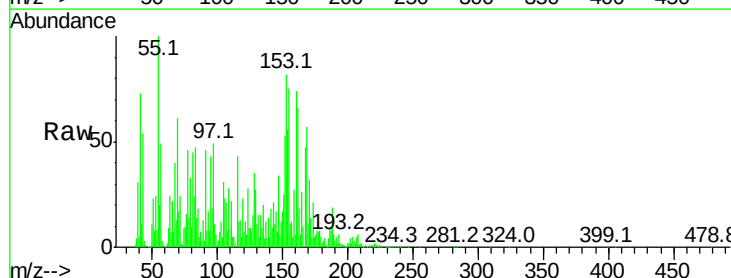
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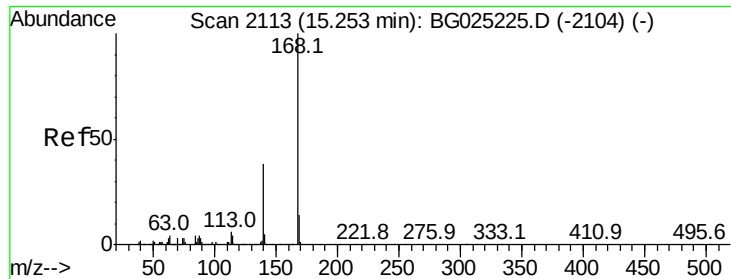
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#49
 Acenaphthene
 Concen: 28.53 ng/ul
 RT: 14.94 min Scan# 2060
 Delta R.T. 0.03 min
 Lab File: BG025228.D
 Acq: 16 Dec 2016 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	65.1	36.5	54.7#	
154	68.8	72.3	108.5#	





#53

Dibenzenofuran

Concen: 33.45 ng/ul

RT: 15.27 min Scan# 2116

Delta R.T. 0.02 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

Instrument :

BNA_G

ClientSampleId :

DA883

Tot Ion:168 Resp: 759461

Ion Ratio Lower Upper

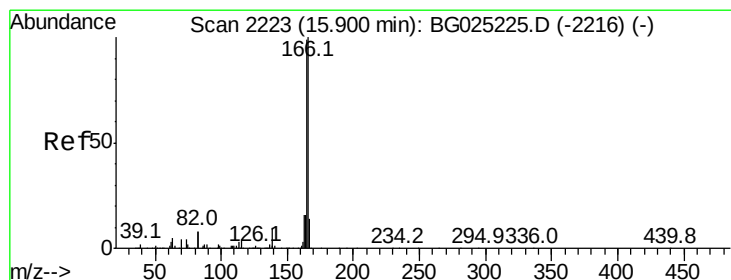
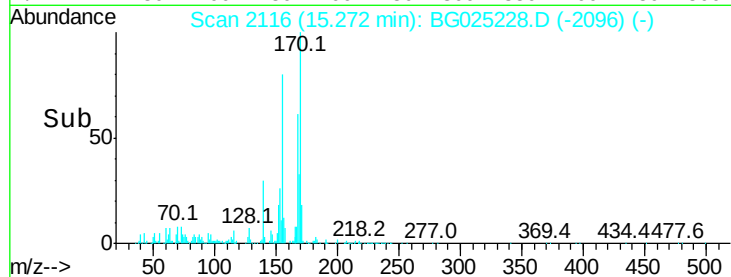
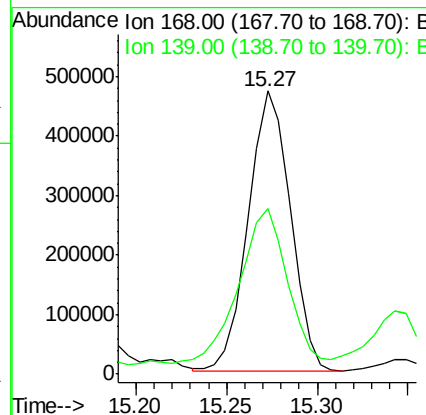
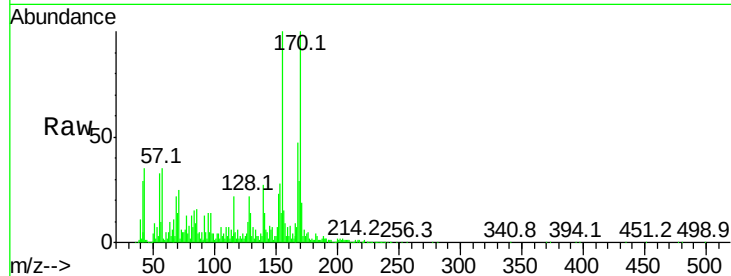
168 100

139 58.4 33.8 50.8#

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#58

Fluorene

Concen: 62.90 ng/ul

RT: 15.92 min Scan# 2227

Delta R.T. 0.03 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

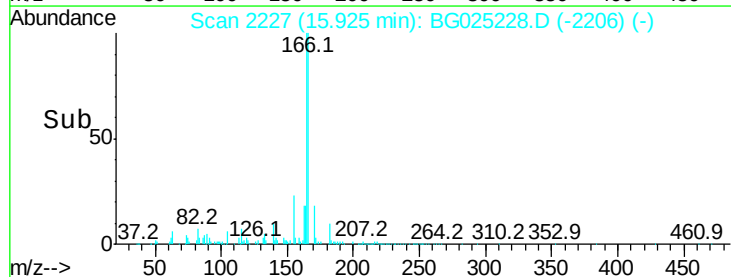
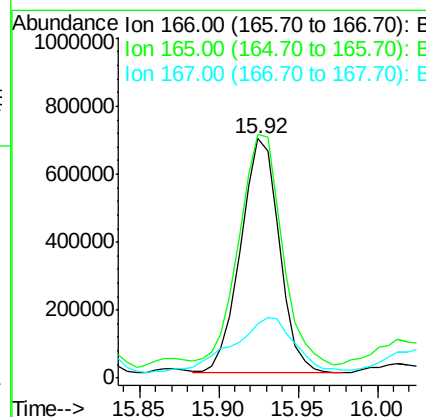
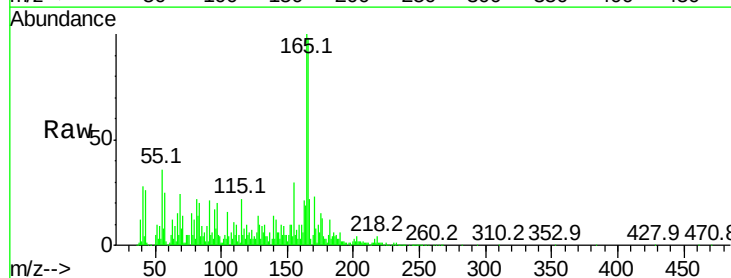
Tgt Ion:166 Resp: 1162720

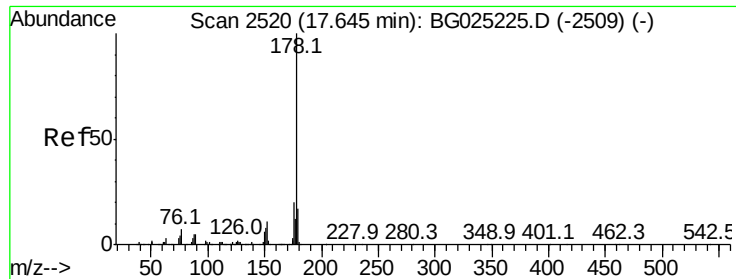
Ion Ratio Lower Upper

166 100

165 101.8 79.7 119.5

167 22.6 11.4 17.2#





#69

Phenanthrene

Concen: 90.91 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.03 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

Instrument :

BNA_G

ClientSampleId :

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Tot Ion:178 Resp: 2164274

Ion Ratio Lower Upper

178 100

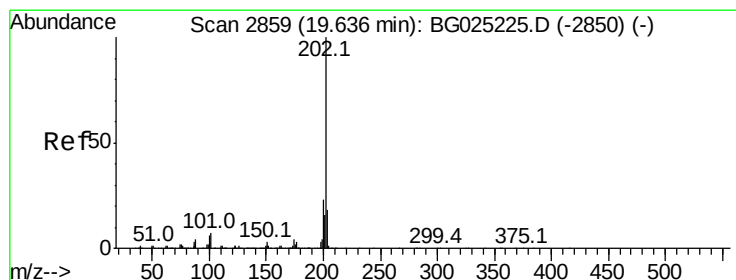
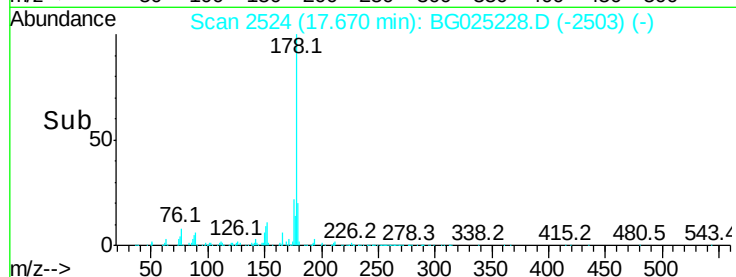
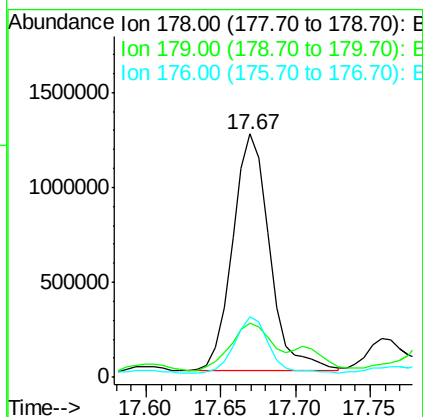
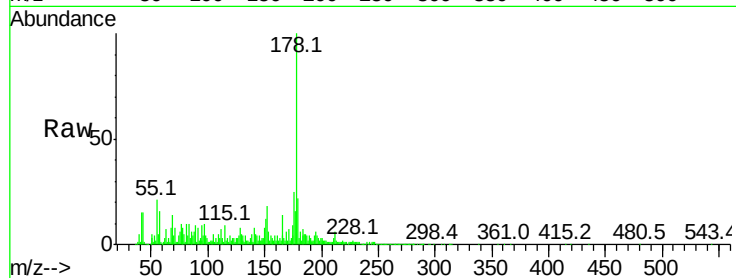
179 22.5 12.4 18.6#

176 24.9 16.5 24.7#

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#74

Fluoranthene

Concen: 13.19 ng/ul

RT: 19.66 min Scan# 2862

Delta R.T. 0.02 min

Lab File: BG025228.D

Acq: 16 Dec 2016 1:50

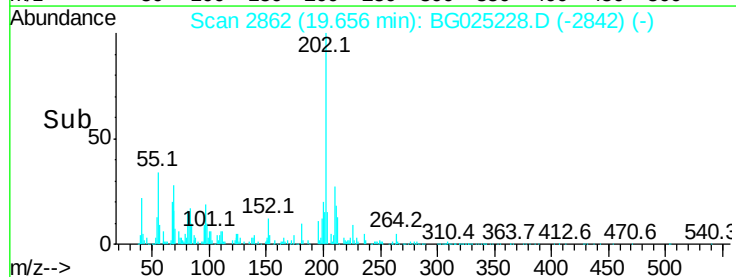
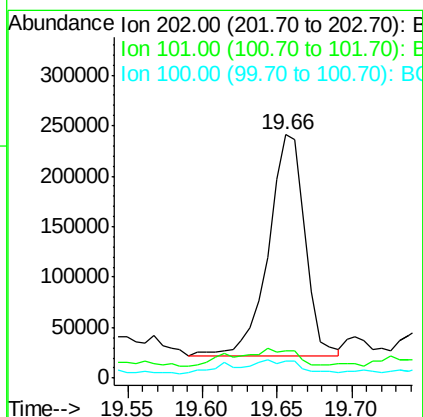
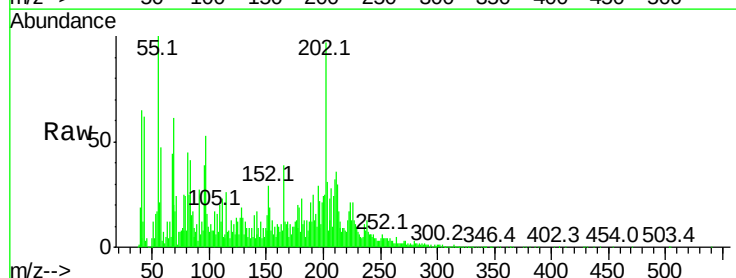
Tgt Ion:202 Resp: 373190

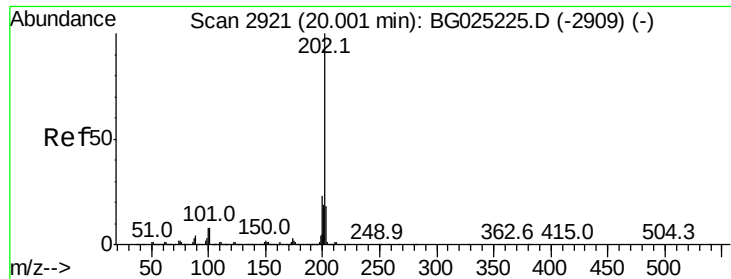
Ion Ratio Lower Upper

202 100

101 11.5 6.2 9.2#

100 6.7 5.2 7.8





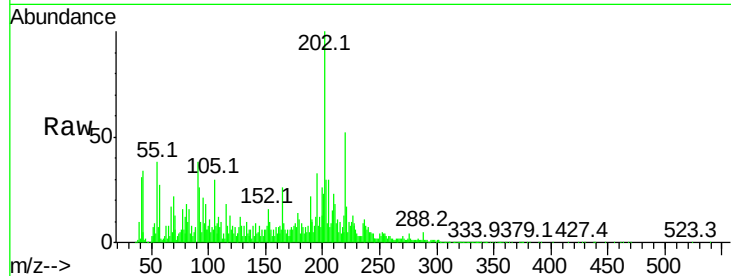
#77
 Pvrene
 Concen: 18.78 ng/ul
 RT: 20.02 min Scan# 2924
 Delta R.T. 0.02 min
 Lab File: BG025228.D
 Acq: 16 Dec 2016 1:50

Instrument :
 BNA_G
 ClientSampleId :
 DA883

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	6.9	10.3#
100	8.0	6.6	10.0

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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

