

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025236.D
 Acq On : 16 Dec 2016 7:04
 Operator : UM/SJ
 Sample : H5938-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA835

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:21:27 PM

Quant Time: Dec 16 12:48:53 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	8.24	152	84809	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	366707	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	282185	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	547716	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	641458	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	652663	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6755	4.11	ng/uL	0.00
5) Phenol-d5	7.39	99	194098	26.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	132112	29.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	137891	26.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	176929	28.94	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	80340	30.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	95317	29.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	176547	28.36	ng/ul	0.01
29) 4-Chloroaniline-d4	11.22	131	18354	3.00	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	561233	28.91	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	609570	28.67	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	73108	21.92	ng/ul	0.02
57) Fluorene-d10	15.85	176	496108	27.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	97240	28.71	ng/ul	0.00
70) Anthracene-d10	17.70	188	666774	28.84	ng/ul	0.00
76) Pyrene-d10	19.98	212	727076	27.52	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	720725	27.25	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.42	94	19148	2.55 ng/ul	94
11) 2-Methylphenol	8.68	108	8507	1.54 ng/ul	92
16) 4-Methylphenol	9.02	108	17302	2.81 ng/ul#	73
24) 2,4-Dimethylphenol	10.22	107	27428m	3.65 ng/ul	
28) Naphthalene	11.12	128	111528	6.54 ng/ul#	96
34) 2-Methylnaphthalene	12.70	142	168410	12.52 ng/ul	93
40) 1,1'-Biphenyl	13.69	154	30722	1.80 ng/ul	99
44) Dimethylphthalate	14.30	163	472200	24.75 ng/ul	98
53) Dibenzofuran	15.25	168	86827	3.88 ng/ul	98
58) Fluorene	15.91	166	35228	1.93 ng/ul#	95
69) Phenanthrene	17.64	178	280199	10.72 ng/ul	98
74) Fluoranthene	19.64	202	71587	2.30 ng/ul	99
77) Pyrene	20.01	202	79755	2.59 ng/ul#	98
80) Benzo(a)anthracene	21.88	228	70526	2.12 ng/ul#	66
82) Chrysene	21.95	228	77219	2.48 ng/ul#	74

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

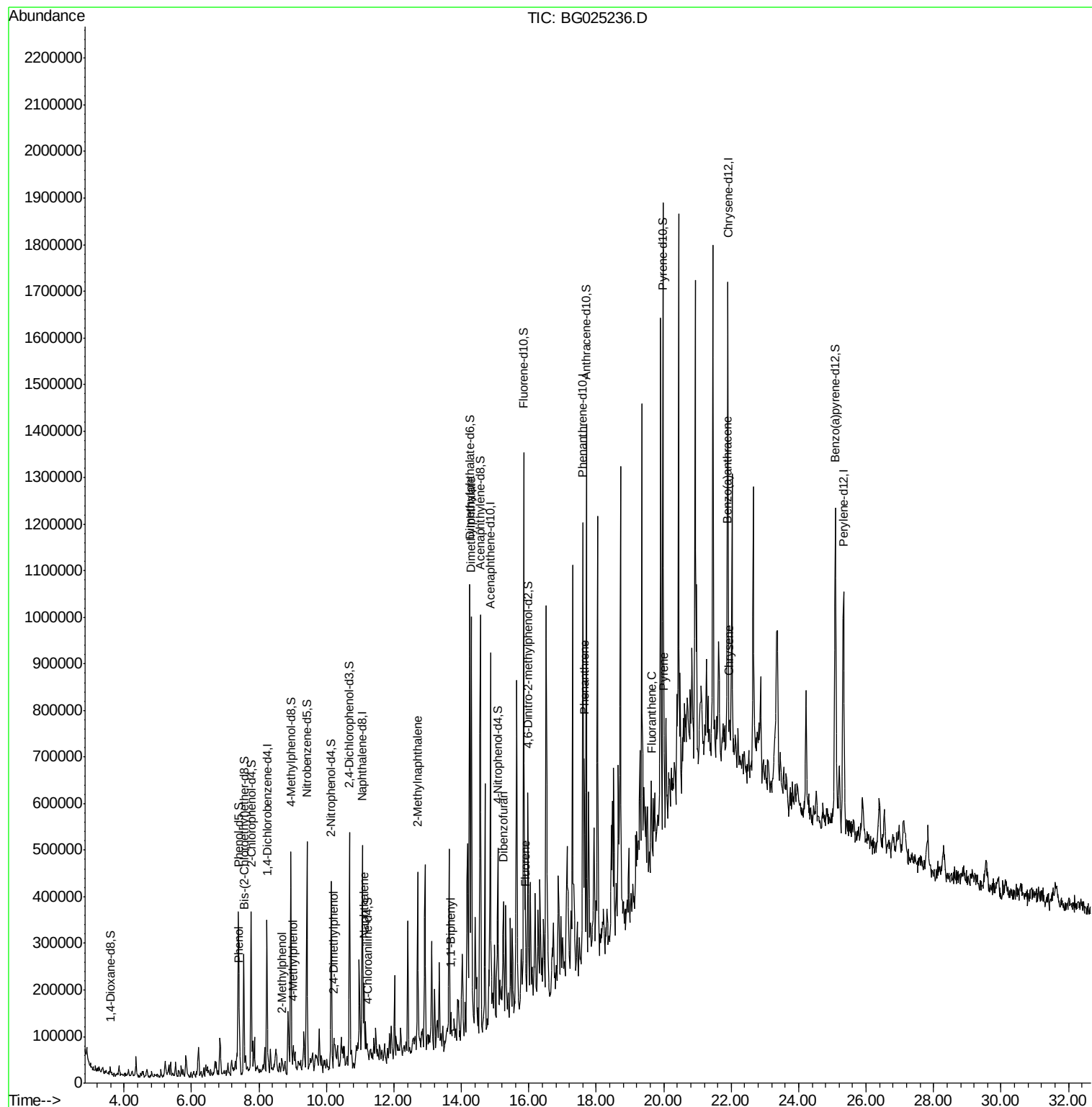
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025236.D
Acq On : 16 Dec 2016 7:04
Operator : UM/SJ
Sample : H5938-13
Misc :
ALS Vial : 27 Sample Multiplier: 1

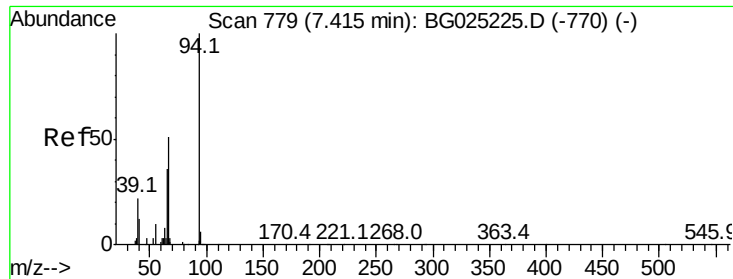
Instrument :
BNA_G
ClientSampled :
DA835

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Quant Time: Dec 16 12:48:53 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





#6

Phenol

Concen: 2.55 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

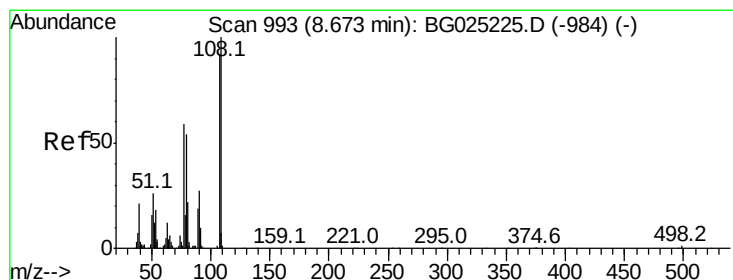
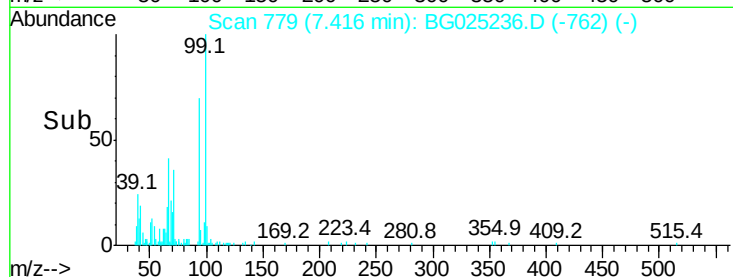
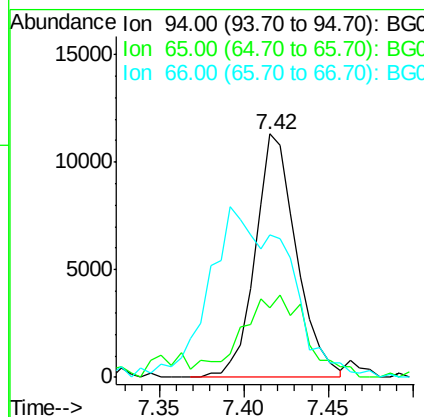
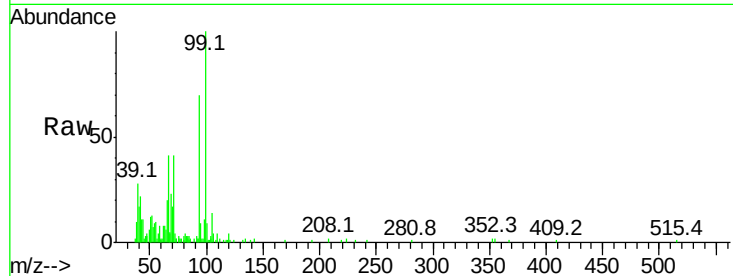
ClientSampleId :

DA835

Tot Ion:	94	Resp:	19148
Ion Ratio	Lower	Upper	
94	100		
65	28.8	26.8	40.2
66	58.6	44.4	66.6

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#11

2-Methylphenol

Concen: 1.54 ng/ul

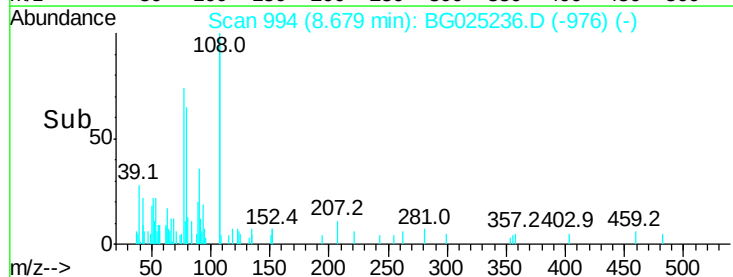
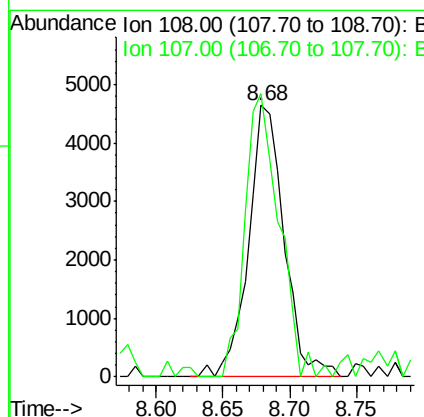
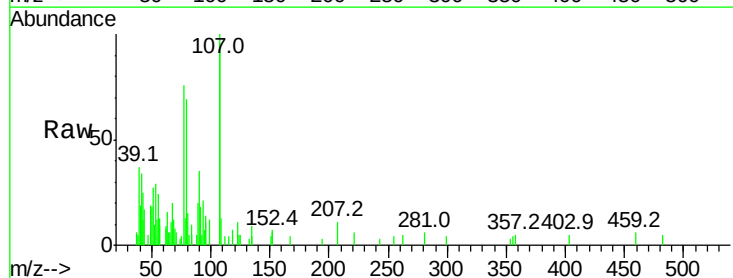
RT: 8.68 min Scan# 994

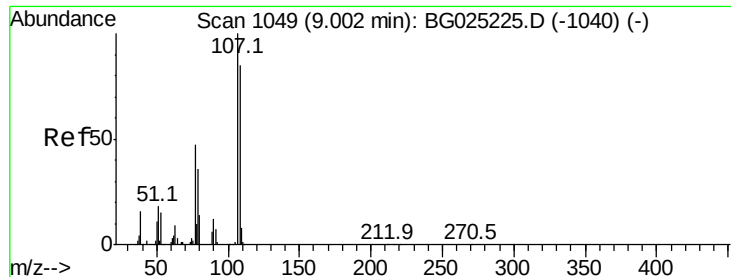
Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Tgt Ion:	108	Resp:	8507
Ion Ratio	Lower	Upper	
108	100		
107	104.2	76.7	115.1





#16

4-Methylphenol

Concen: 2.81 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

ClientSampled :

DA835

Tot Ion:108 Resp: 17302

Ion Ratio Lower Upper

108 100

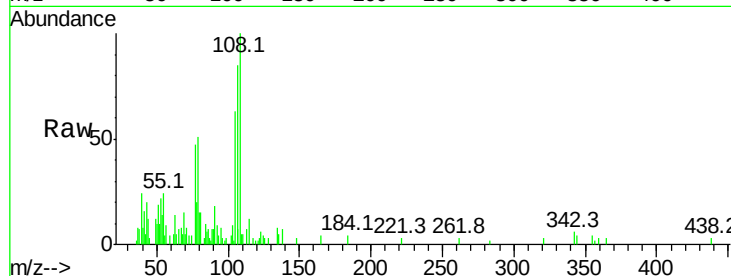
107 85.1 91.7 137.5#

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

9.02

10000

8000

6000

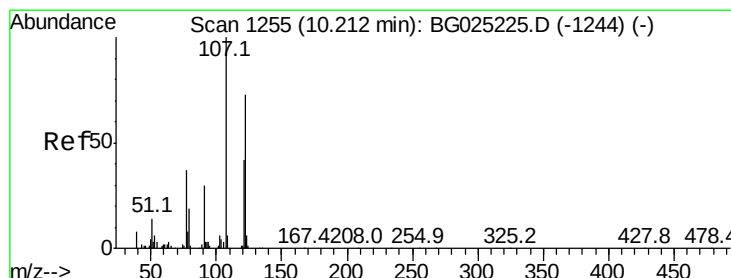
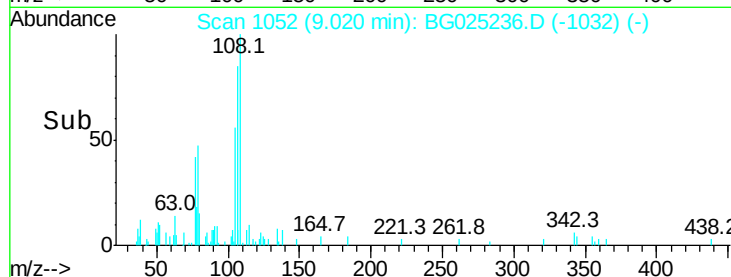
4000

2000

0

8.95 9.00 9.05

Time-->



#24

2,4-Dimethylphenol

Concen: 3.65 ng/ul m

RT: 10.22 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

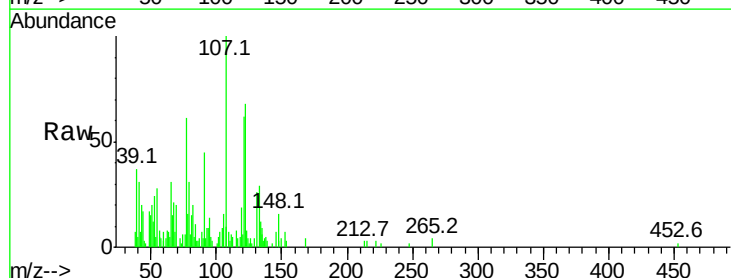
Tgt Ion:107 Resp: 27428

Ion Ratio Lower Upper

107 100

121 61.6 32.3 48.5#

122 67.6 61.2 91.8



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

10.22

10000

8000

6000

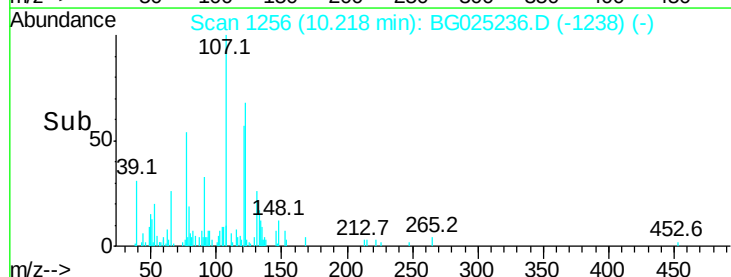
4000

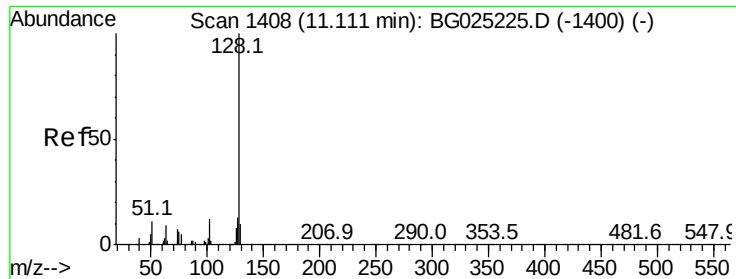
2000

0

10.15 10.20 10.25 10.30

Time-->





#28

Naphthalene

Concen: 6.54 ng/ul

RT: 11.12 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

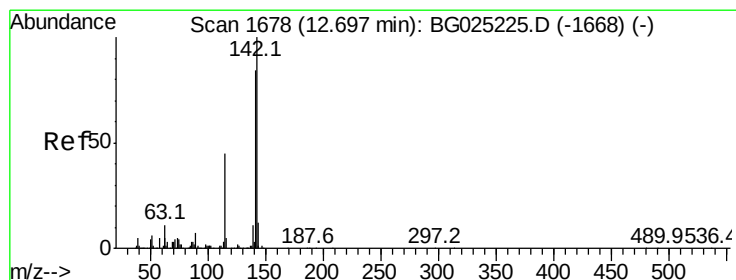
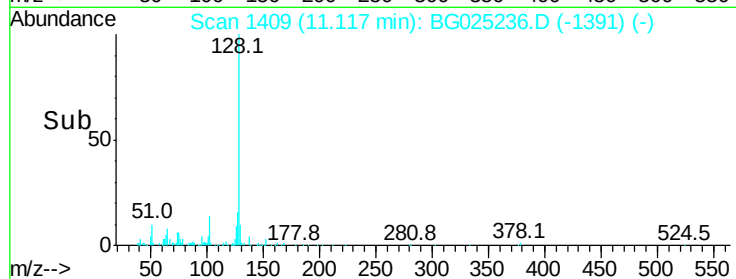
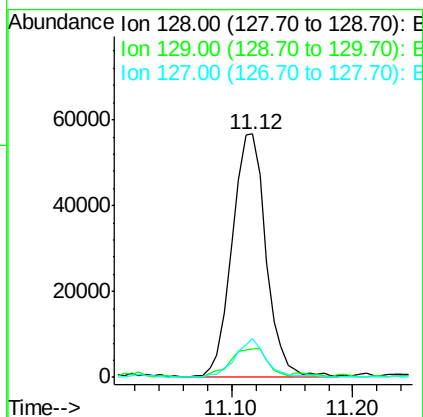
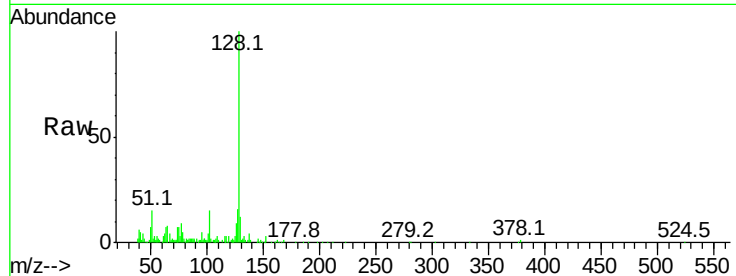
ClientSampleId :

DA835

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	9.4	14.2
127	15.9	10.3	15.5#

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#34

2-Methylnaphthalene

Concen: 12.52 ng/ul

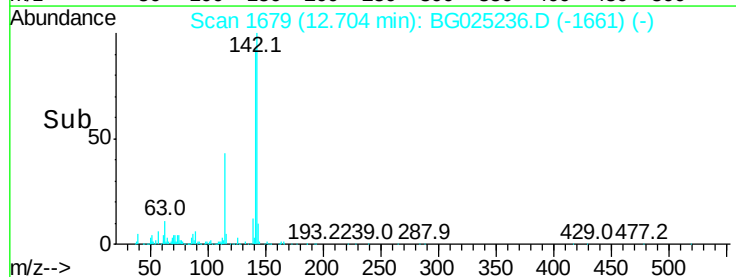
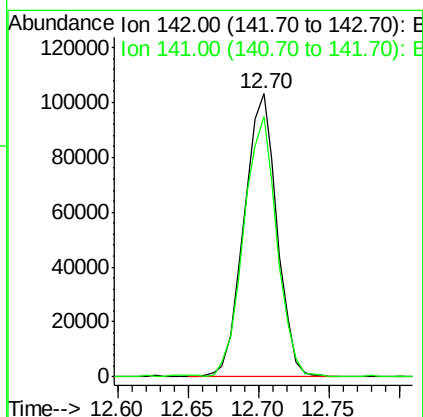
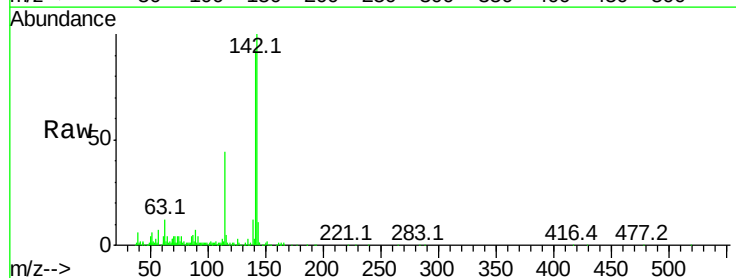
RT: 12.70 min Scan# 1679

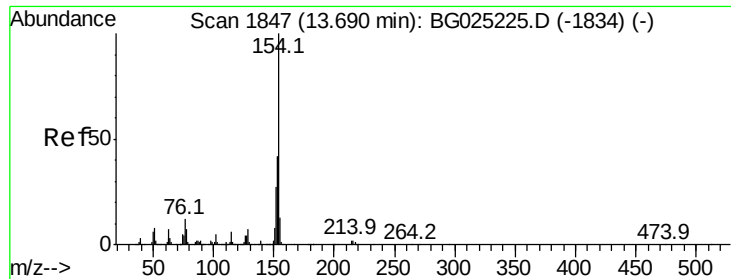
Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	92.2	68.6	102.8





#40

1,1'-Biphenyl

Concen: 1.80 ng/ul

RT: 13.69 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

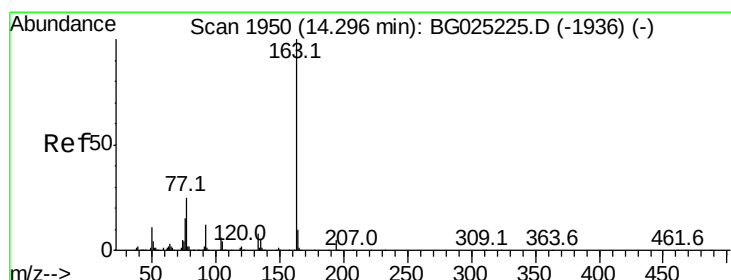
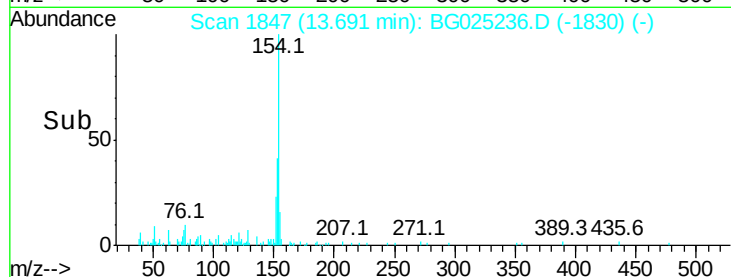
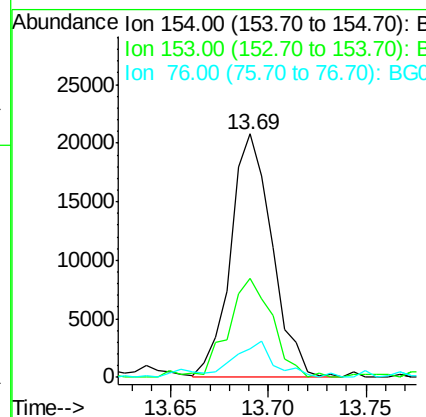
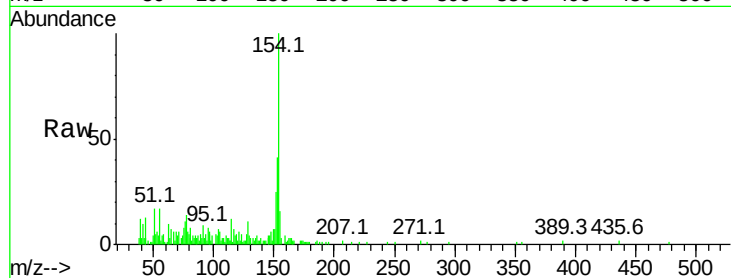
ClientSampled :

DA835

Tot Ion:	154	Resp:	30722
Ion Ratio	Lower	Upper	
154	100		
153	40.5	32.2	48.2
76	11.5	9.6	14.4

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#44

Dimethylphthalate

Concen: 24.75 ng/ul

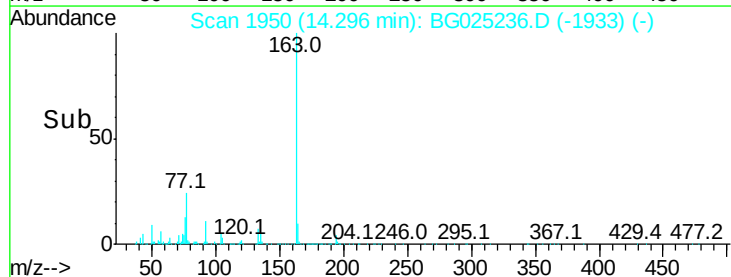
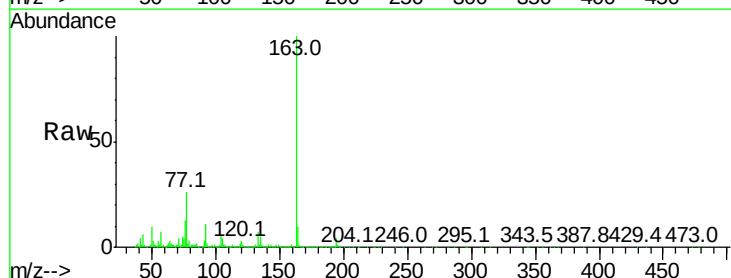
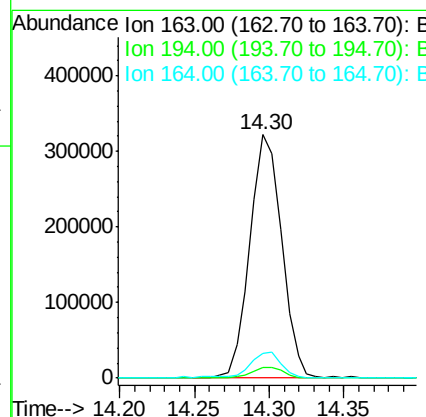
RT: 14.30 min Scan# 1950

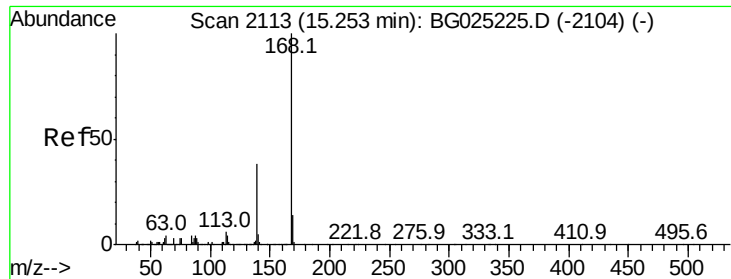
Delta R.T. 0.00 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Tgt Ion:	163	Resp:	472200
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.0	9.0	13.4





#53

Dibenzenofuran

Concen: 3.88 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

ClientSampleId :

DA835

Tot Ion:168 Resp: 86827

Ion Ratio Lower Upper

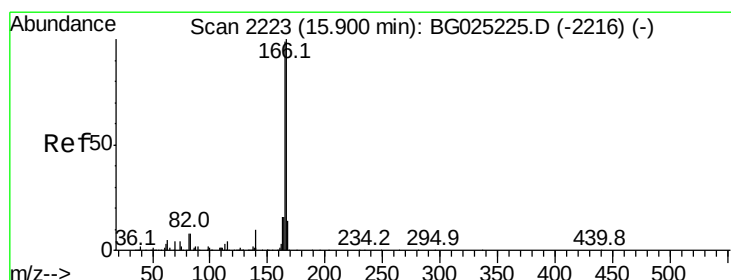
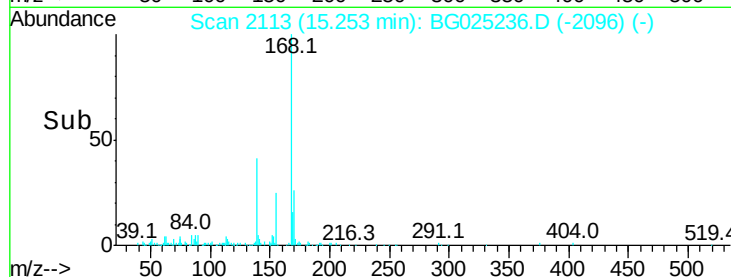
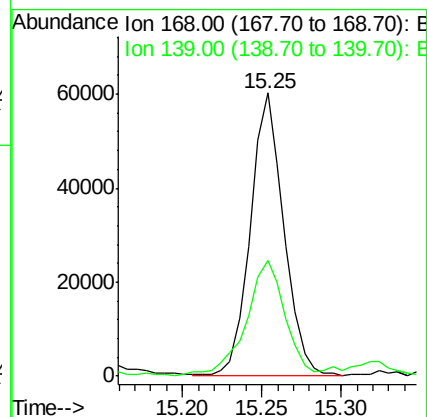
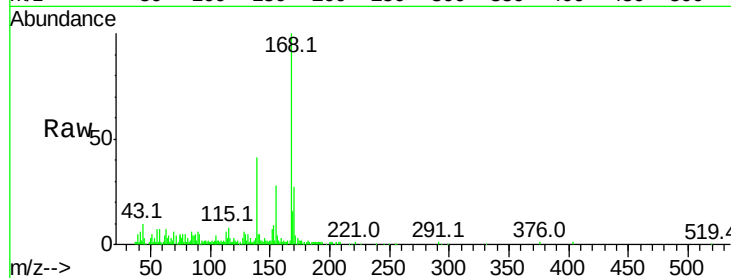
168 100

139 40.8 33.8 50.8

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#58

Fluorene

Concen: 1.93 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

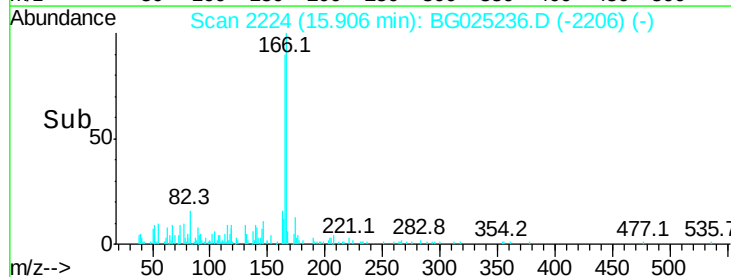
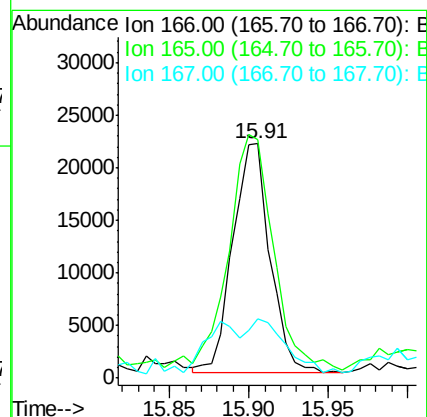
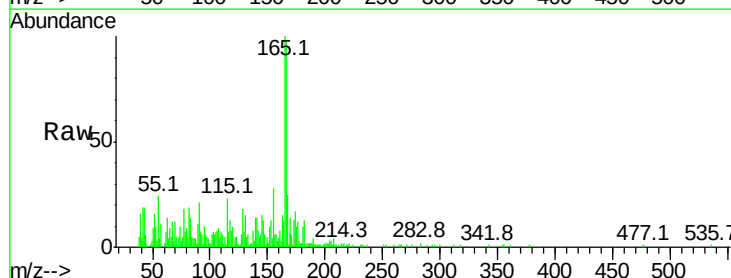
Tgt Ion:166 Resp: 35228

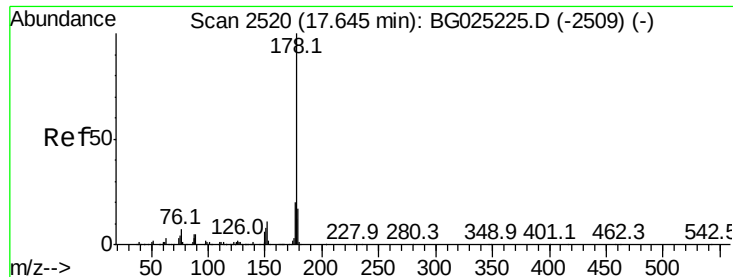
Ion Ratio Lower Upper

166 100

165 101.7 79.7 119.5

167 25.3 11.4 17.2#





#69

Phenanthrene

Concen: 10.72 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

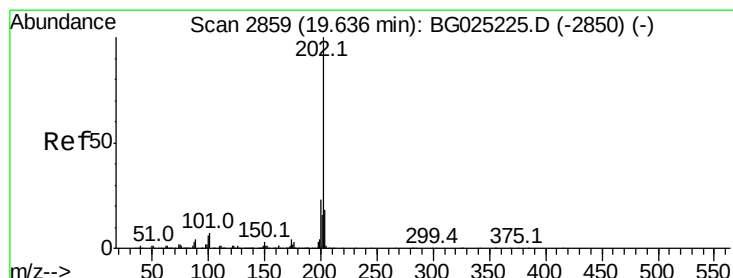
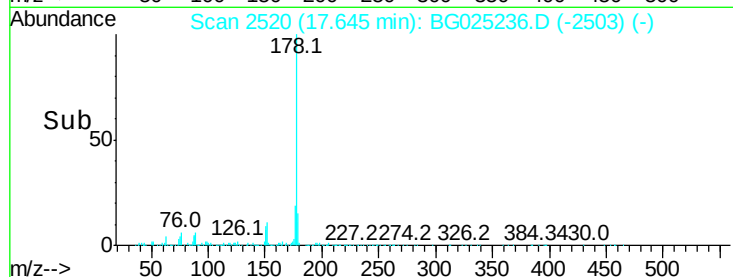
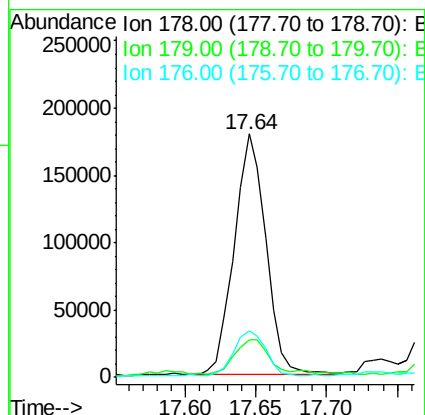
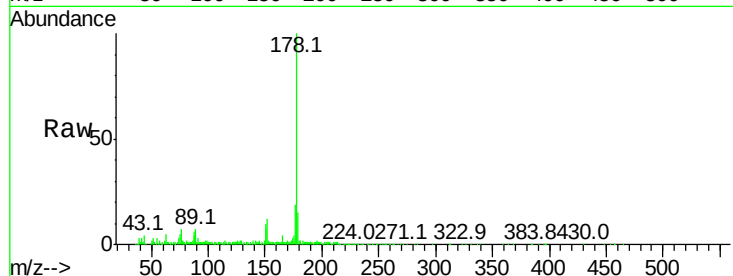
ClientSampled :

DA835

Tot Ion:	178	Resp:	280199
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.4	18.6
176	19.3	16.5	24.7

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#74

Fluoranthene

Concen: 2.30 ng/ul

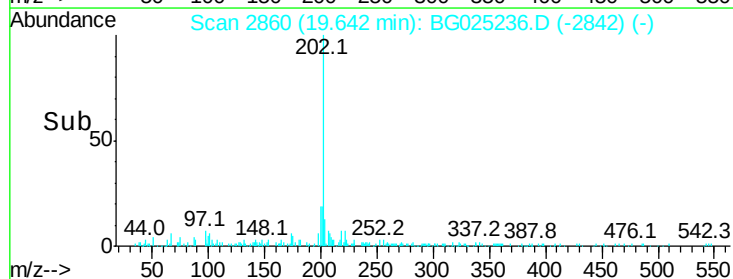
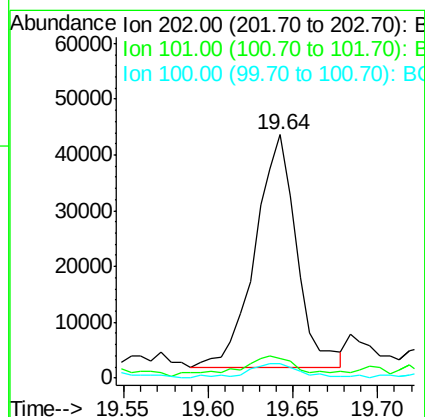
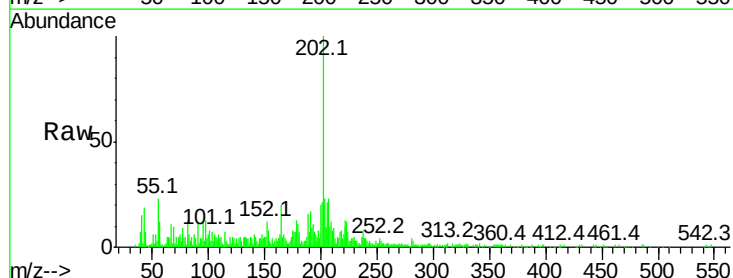
RT: 19.64 min Scan# 2860

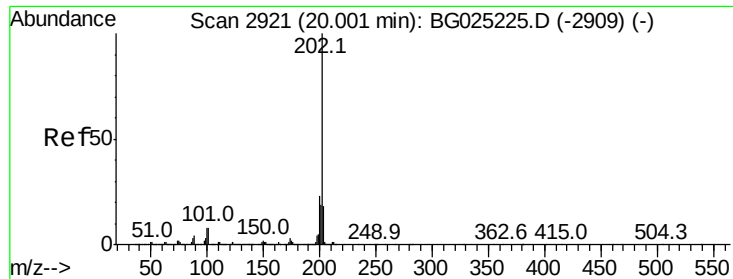
Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Tgt Ion:	202	Resp:	71587
Ion Ratio	Lower	Upper	
202	100		
101	8.3	6.2	9.2
100	6.1	5.2	7.8





#77

Pvrene

Concen: 2.59 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Instrument :

BNA_G

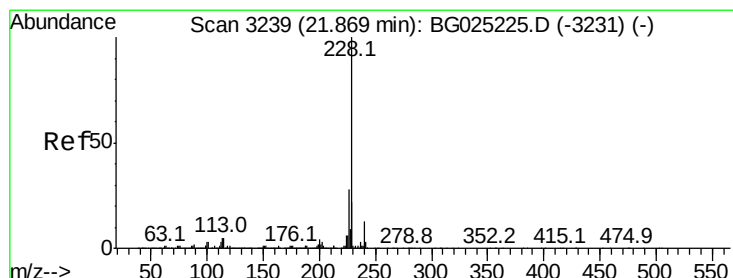
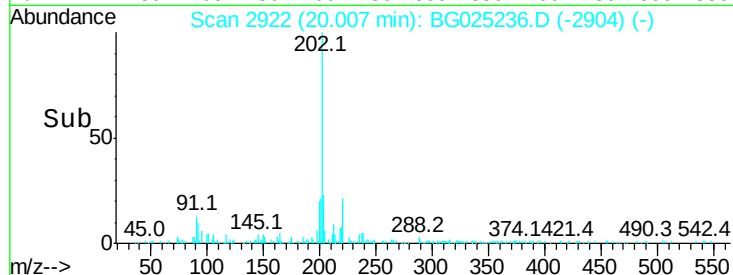
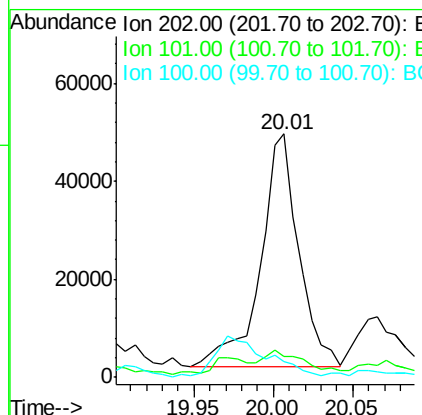
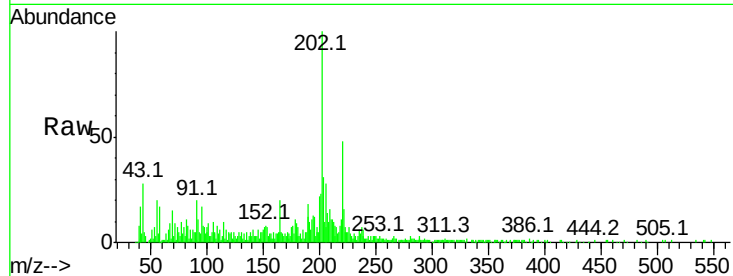
ClientSampleId :

DA835

Tot Ion:	202	Resp:	79755
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.9	10.3
100	6.6	6.6	10.0#

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#80

Benzo(a)anthracene

Concen: 2.12 ng/ul

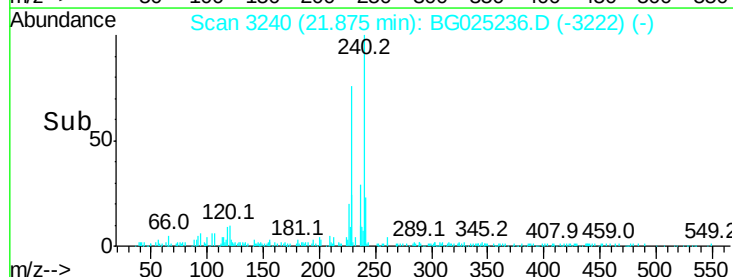
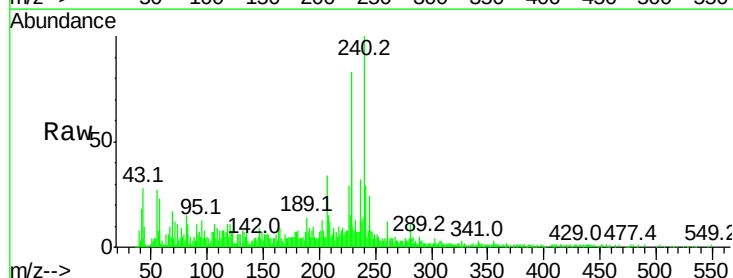
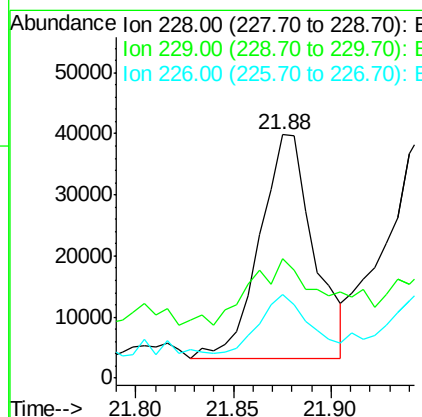
RT: 21.88 min Scan# 3240

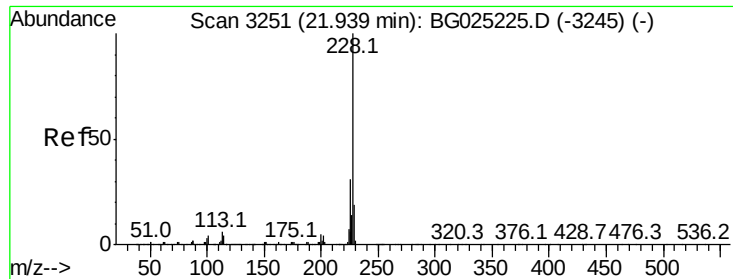
Delta R.T. 0.01 min

Lab File: BG025236.D

Acq: 16 Dec 2016 7:04

Tgt Ion:	228	Resp:	70526
Ion Ratio	Lower	Upper	
228	100		
229	49.1	16.3	24.5#
226	34.4	21.9	32.9#





#82
 Chrvsene
 Concen: 2.48 ng/ul
 RT: 21.95 min Scan# 3252
 Delta R.T. 0.01 min
 Lab File: BG025236.D
 Acq: 16 Dec 2016 7:04

Instrument :
 BNA_G
 ClientSampleId :
 DA835

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.3	24.0	36.0#
229	42.7	16.9	25.3#

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:21:27 PM

