

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
 Data File : BG025249.D
 Acq On : 16 Dec 2016 21:55
 Operator : UM/SJ
 Sample : H6040-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8T9

Manual Integrations
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Quant Time: Dec 17 00:46:24 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	74862	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	291385	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	218900	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	472853	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	629339	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	639024	20.00	ng/ul	0.03

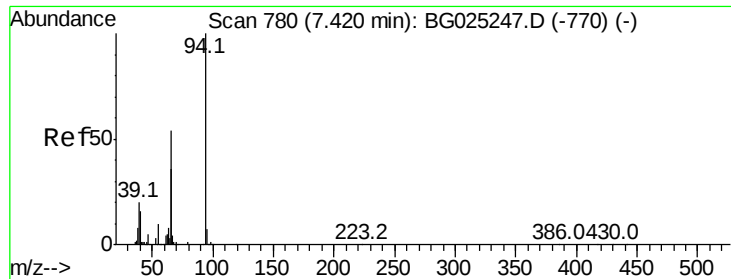
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	4260	2.94	ng/uL	0.00
5) Phenol-d5	7.39	99	114013	17.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	74001	18.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	80327	17.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	95164	17.63	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	49975	24.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	53568	20.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	96269	19.46	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	148116	30.46	ng/ul	0.03
43) Dimethylphthalate-d6	14.26	166	322159	21.40	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	384193	23.29	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	84176m	32.53	ng/ul	0.03
57) Fluorene-d10	15.85	176	405280	28.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.00	200	87262	29.85	ng/ul	0.02
70) Anthracene-d10	17.71	188	483119	24.21	ng/ul	0.00
76) Pyrene-d10	19.98	212	590083	22.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	581562	22.46	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.42	94	13633	2.06	ng/ul#	63
24) 2,4-Dimethylphenol	10.23	107	8594	1.44	ng/ul#	71
25) Bis(2-Chloroethoxy)methane	10.47	93	13921	2.28	ng/ul#	84
28) Naphthalene	11.11	128	503051	37.14	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	768255	71.87	ng/ul	99
40) 1,1'-Biphenyl	13.69	154	245398	18.49	ng/ul	95
44) Dimethylphthalate	14.30	163	84154	5.69	ng/ul	100
47) Acenaphthylene	14.59	152	35486	2.21	ng/ul#	18
49) Acenaphthene	14.92	153	96608	8.80	ng/ul#	90
53) Dibenzofuran	15.25	168	319968	18.42	ng/ul	91
58) Fluorene	15.91	166	483245	34.17	ng/ul#	98
69) Phenanthrene	17.65	178	527957	23.39	ng/ul#	92
71) Anthracene	17.74	178	162413	7.00	ng/ul#	81
72) Carbazole	18.02	167	61032	3.15	ng/ul#	60
74) Fluoranthene	19.64	202	145184	5.41	ng/ul#	96
77) Pyrene	20.01	202	240142	7.94	ng/ul#	95

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



#6

Phenol

Concen: 2.06 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

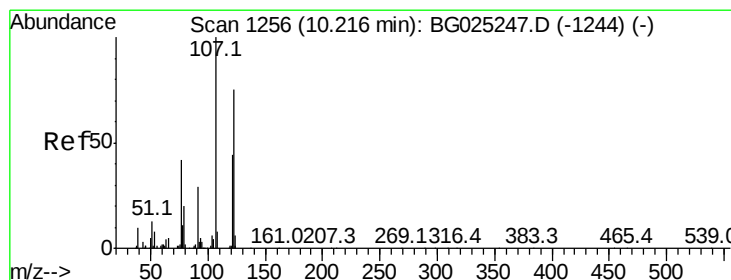
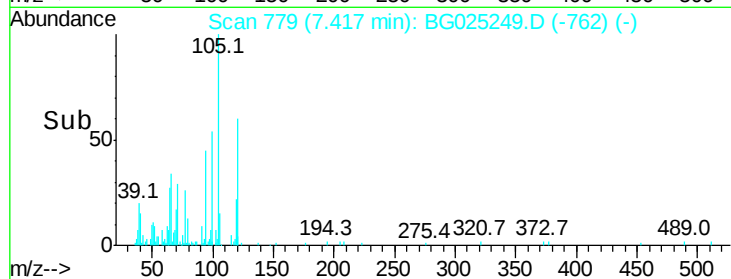
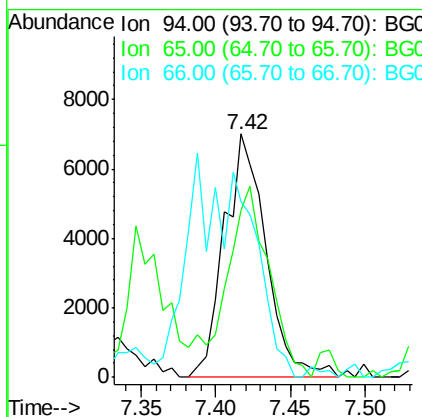
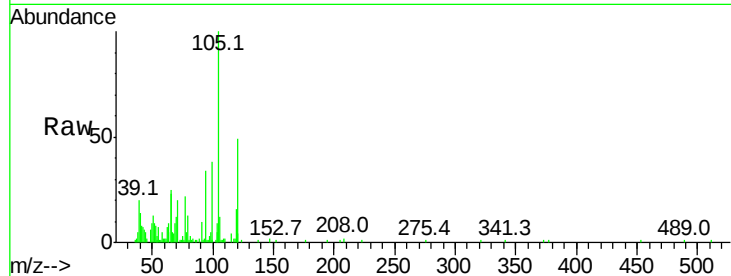
ClientSampleId :

DA8T9

Tot Ion	Ratio	Lower	Upper
94	100		
65	68.6	26.8	40.2#
66	72.0	44.4	66.6#

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#24

2,4-Dimethylphenol

Concen: 1.44 ng/ul

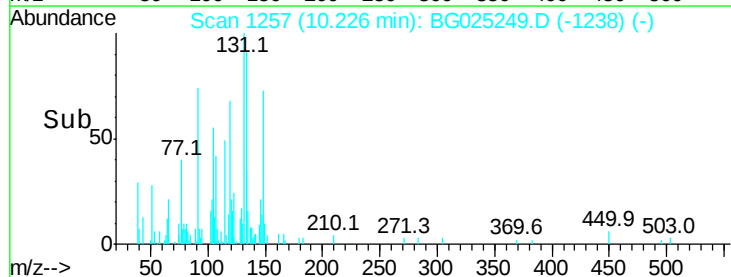
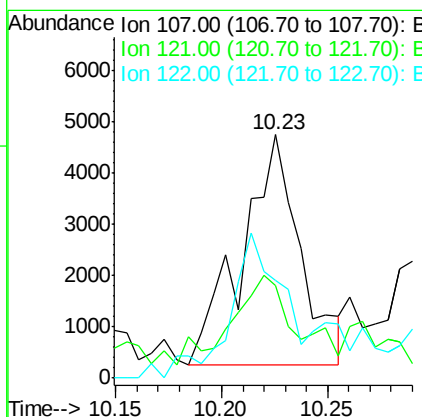
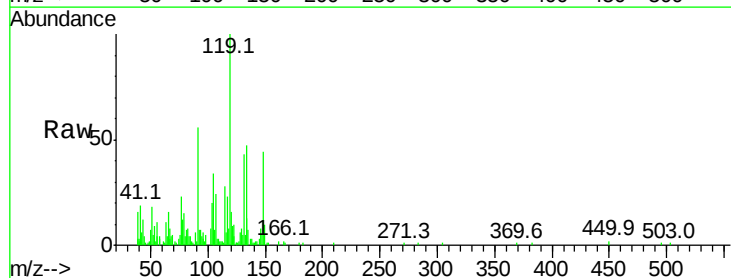
RT: 10.23 min Scan# 1257

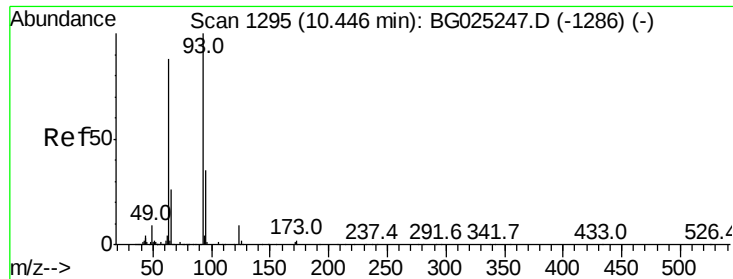
Delta R.T. 0.01 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Tgt Ion	Ratio	Lower	Upper
107	100		
121	38.3	32.3	48.5
122	40.2	61.2	91.8#





#25

Bis(2-Chloroethoxy)methane

Concen: 2.28 ng/ul

RT: 10.47 min Scan# 1298

Delta R.T. 0.02 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

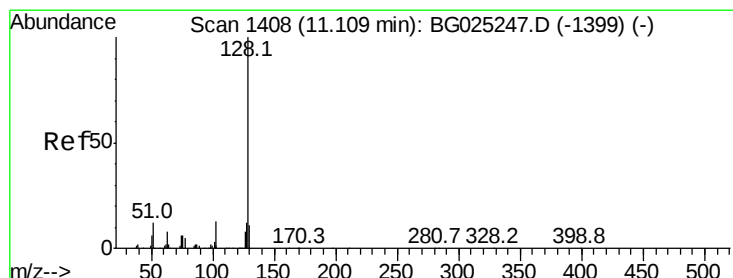
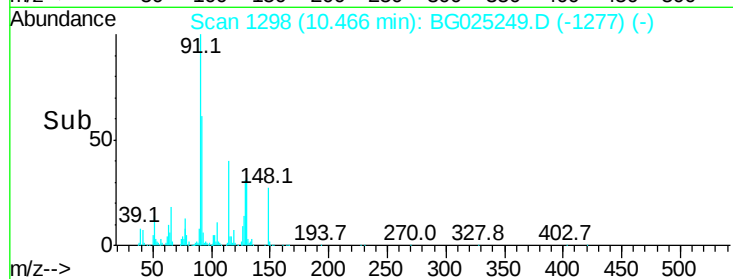
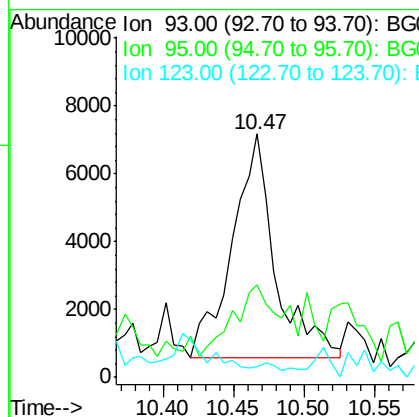
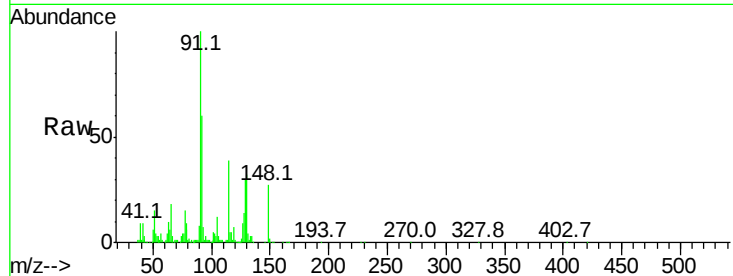
ClientSampleId :

DA8T9

Tot Ion:	93	Resp:	13921
Ion Ratio	Lower	Upper	
93	100		
95	38.3	23.4	35.0#
123	4.3	7.8	11.6#

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#28

Naphthalene

Concen: 37.14 ng/ul

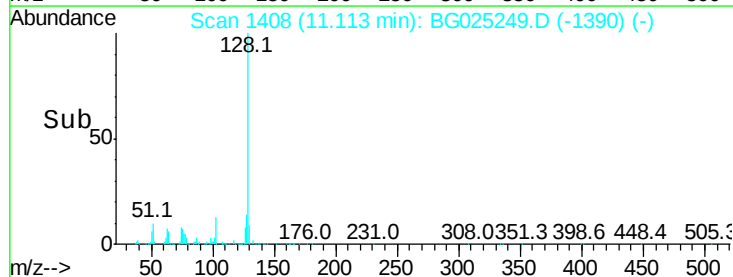
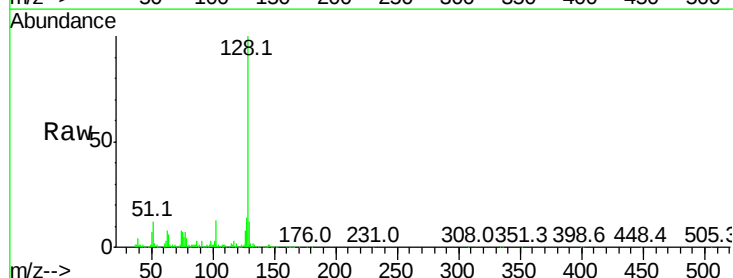
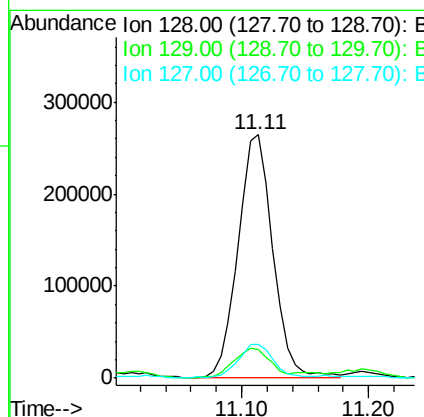
RT: 11.11 min Scan# 1408

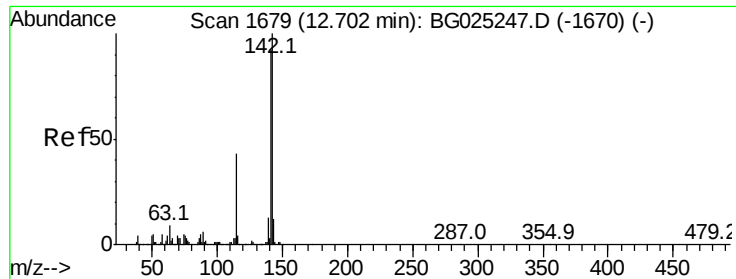
Delta R.T. 0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Tgt Ion:	128	Resp:	503051
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.4	14.2
127	14.0	10.3	15.5





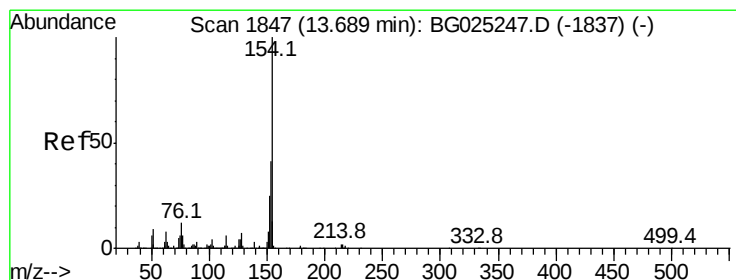
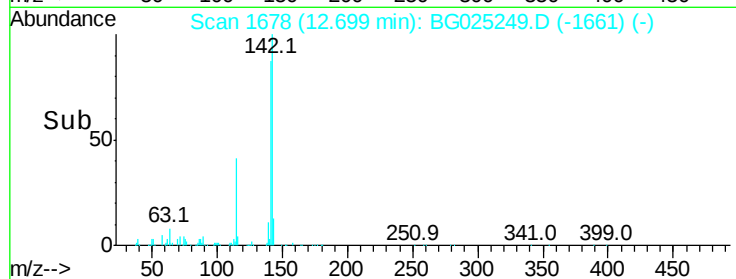
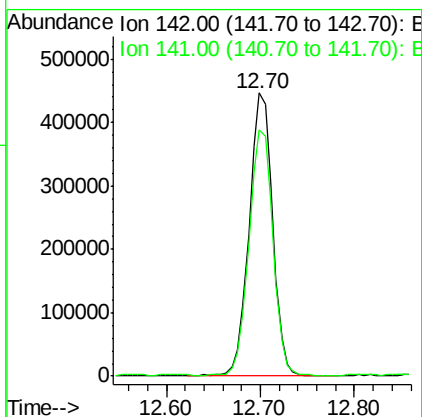
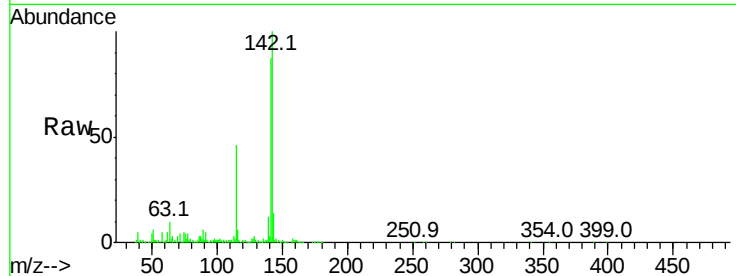
#34
2-Methylnaphthalene
Concen: 71.87 ng/ul
RT: 12.70 min Scan# 1678
Delta R.T. -0.00 min
Lab File: BG025249.D
Acq: 16 Dec 2016 21:55

Instrument :
BNA_G
ClientSampleId :
DA8T9

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	68.6	102.8

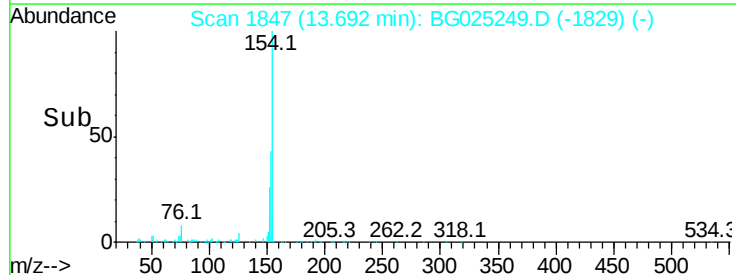
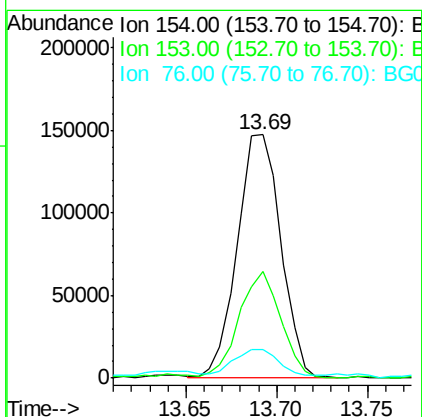
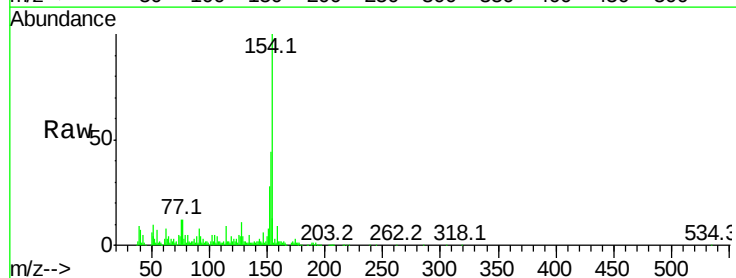
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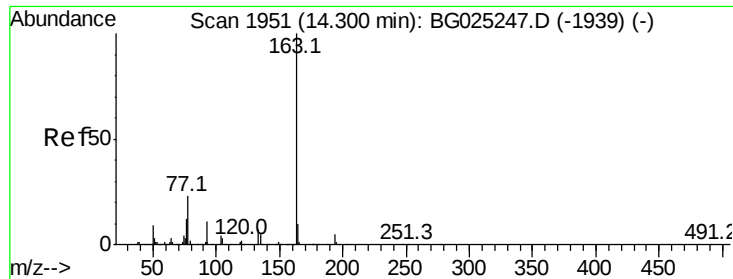
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#40
1,1'-Biphenyl
Concen: 18.49 ng/ul
RT: 13.69 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BG025249.D
Acq: 16 Dec 2016 21:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.0	32.2	48.2
76	11.6	9.6	14.4





#44

Dimethylphthalate

Concen: 5.69 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

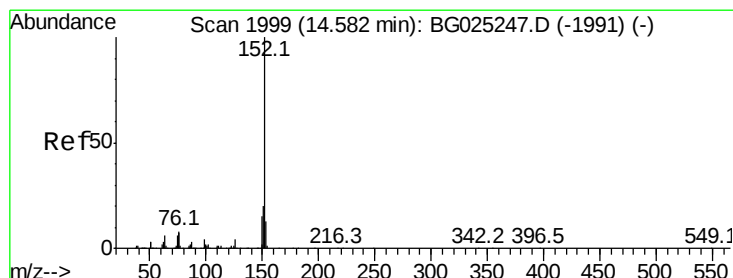
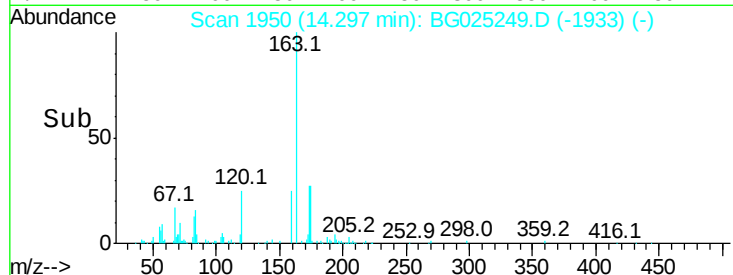
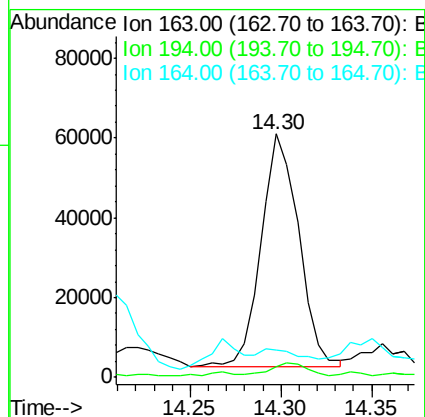
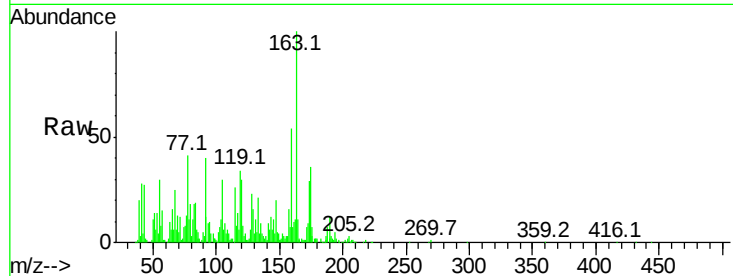
ClientSampleId :

DA8T9

Tot Ion:	163	Resp:	84154
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	11.2	9.0	13.4

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#47

Acenaphthylene

Concen: 2.21 ng/ul

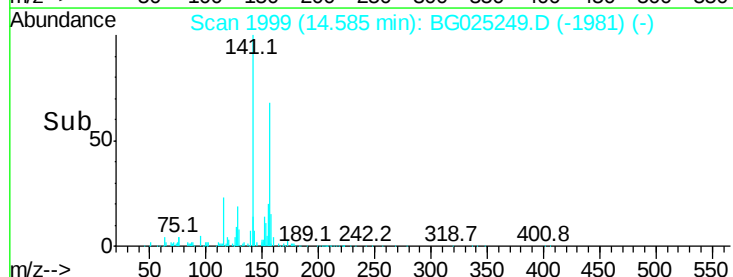
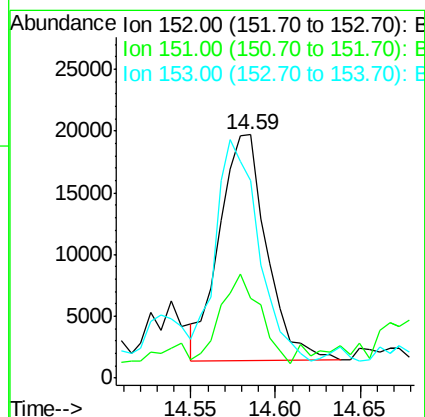
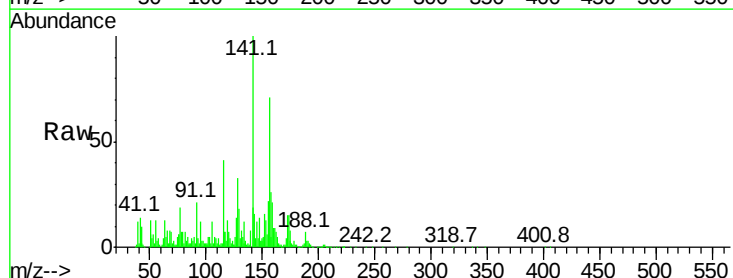
RT: 14.59 min Scan# 1999

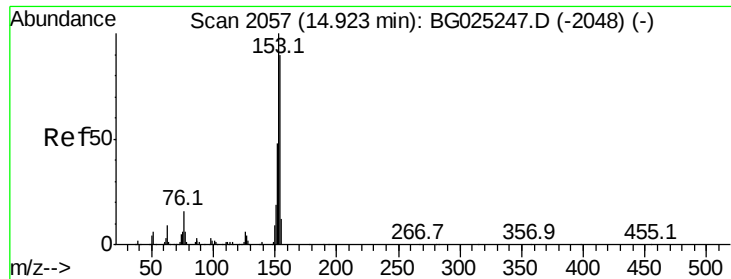
Delta R.T. 0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Tgt Ion:	152	Resp:	35486
Ion Ratio	Lower	Upper	
152	100		
151	32.8	16.7	25.1#
153	81.3	11.4	17.2#





#49

Acenaphthene

Concen: 8.80 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

ClientSampleId :

DA8T9

Tot Ion:153 Resp: 96608

Ion Ratio Lower Upper

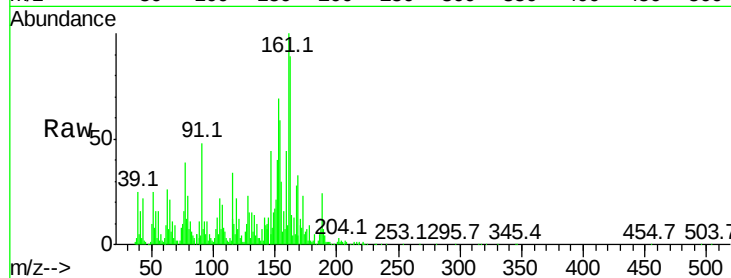
153 100

152 58.6 36.5 54.7#

154 85.8 72.3 108.5

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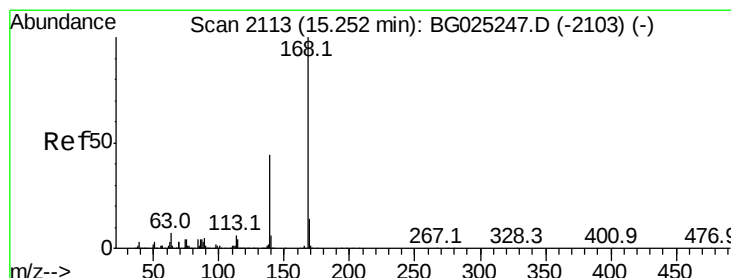
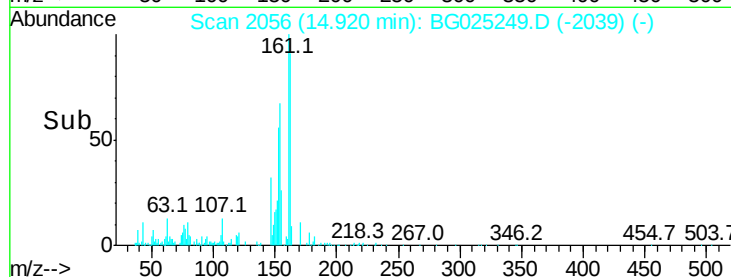
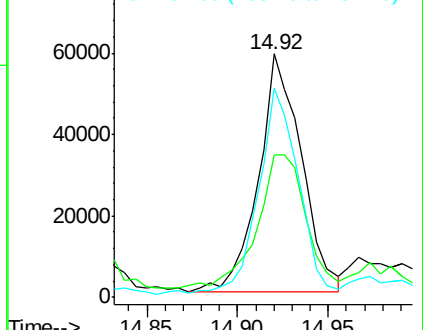
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 18.42 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025249.D

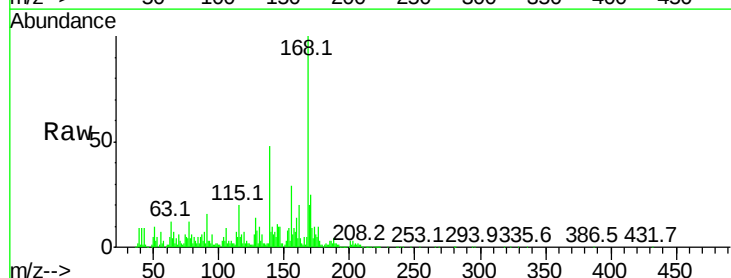
Acq: 16 Dec 2016 21:55

Tgt Ion:168 Resp: 319968

Ion Ratio Lower Upper

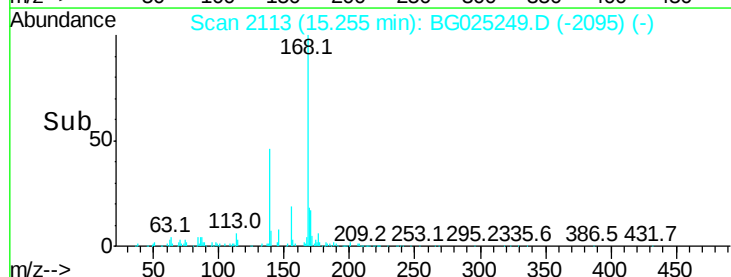
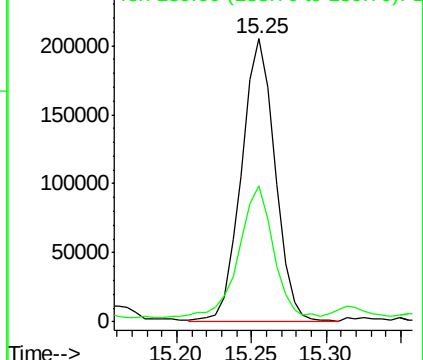
168 100

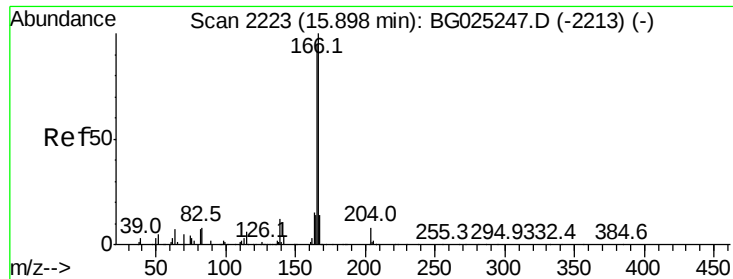
139 48.0 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





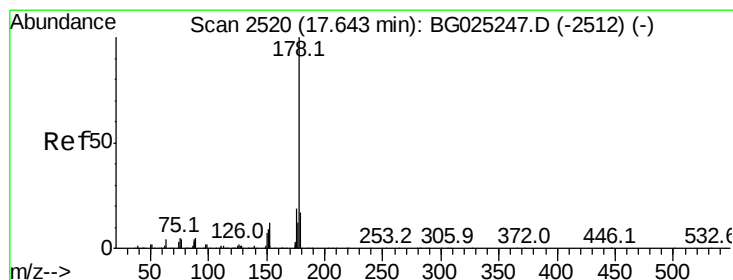
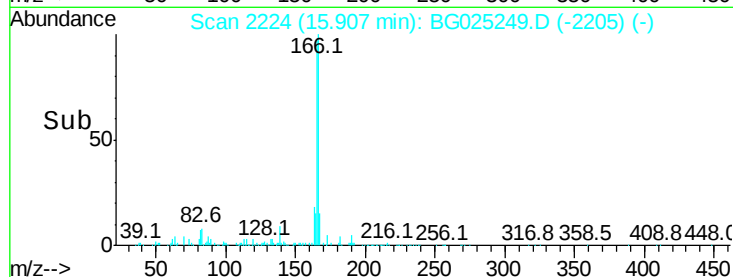
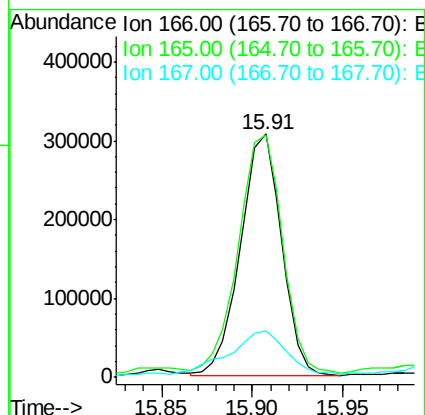
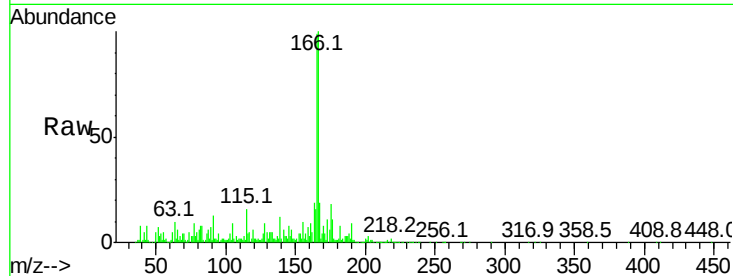
#58
Fluorene
 Concen: 34.17 ng/ul
 RT: 15.91 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: BG025249.D
 Acq: 16 Dec 2016 21:55

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	79.7	119.5	
167	19.0	11.4	17.2#	

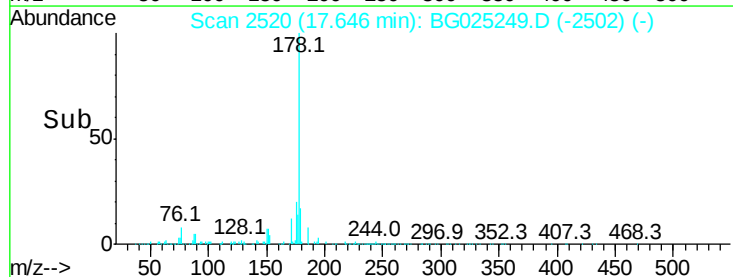
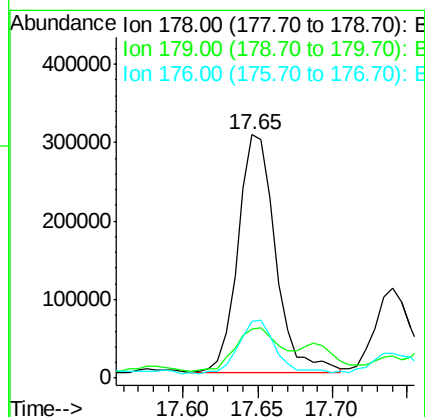
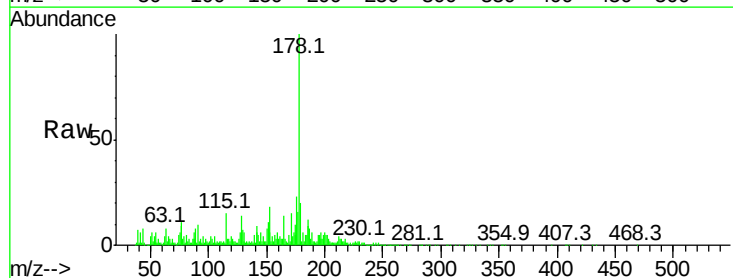
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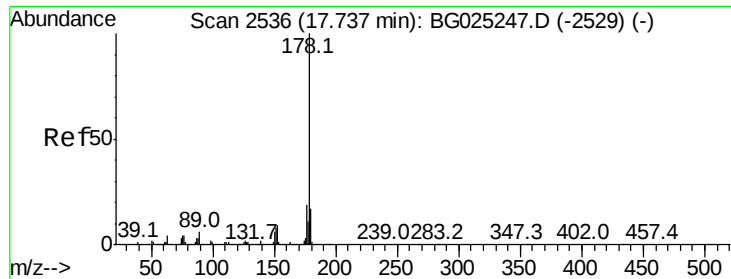
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#69
Phenanthrene
 Concen: 23.39 ng/ul
 RT: 17.65 min Scan# 2520
 Delta R.T. 0.00 min
 Lab File: BG025249.D
 Acq: 16 Dec 2016 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	20.1	12.4	18.6#	
176	23.1	16.5	24.7	





#71

Anthracene

Concen: 7.00 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

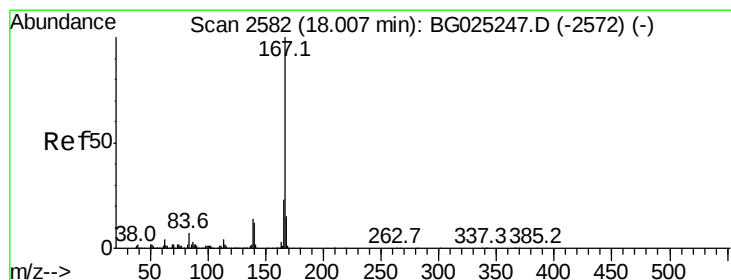
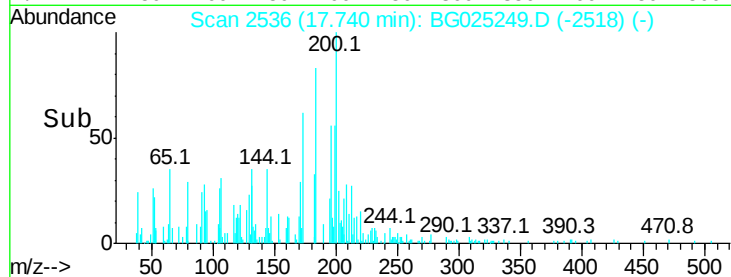
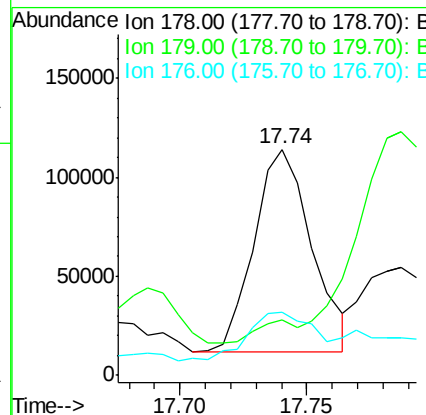
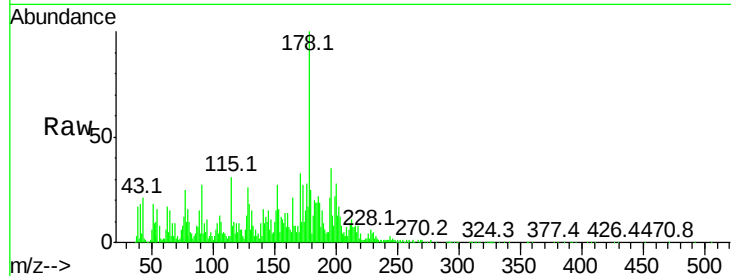
ClientSampleId :

DA8T9

Tot Ion:	178	Resp:	162413
Ion Ratio	Lower	Upper	
178	100		
179	24.6	12.6	19.0#
176	28.0	15.9	23.9#

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#72

Carbazole

Concen: 3.15 ng/ul

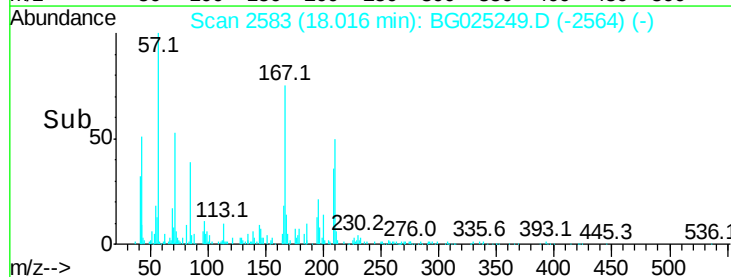
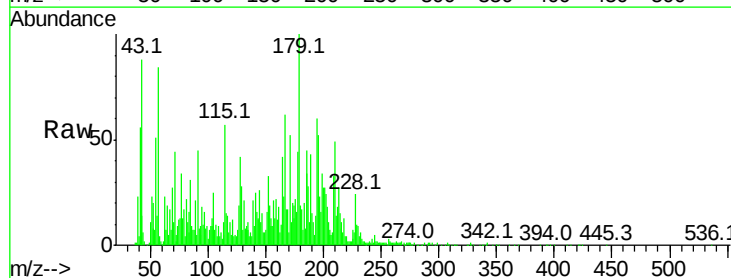
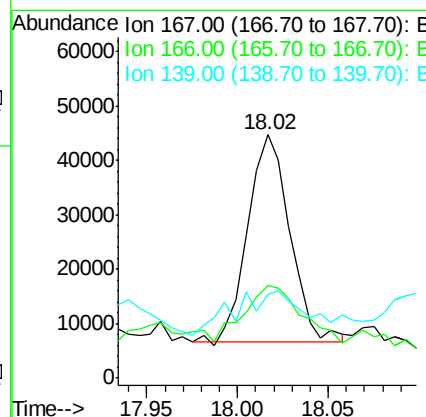
RT: 18.02 min Scan# 2583

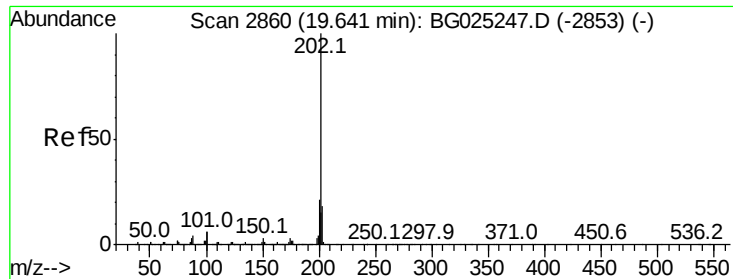
Delta R.T. 0.01 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Tgt Ion:	167	Resp:	61032
Ion Ratio	Lower	Upper	
167	100		
166	37.8	17.9	26.9#
139	34.2	10.5	15.7#





#74

Fluoranthene

Concen: 5.41 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Instrument :

BNA_G

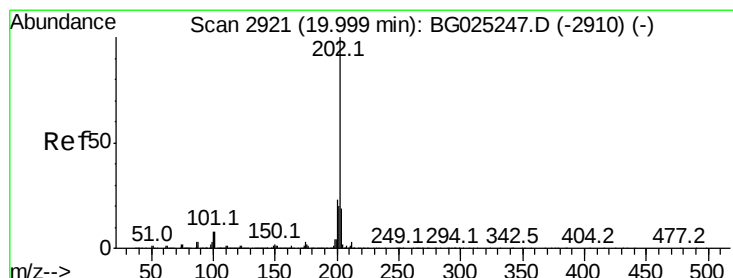
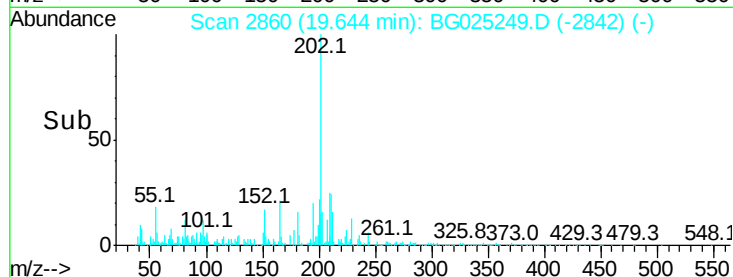
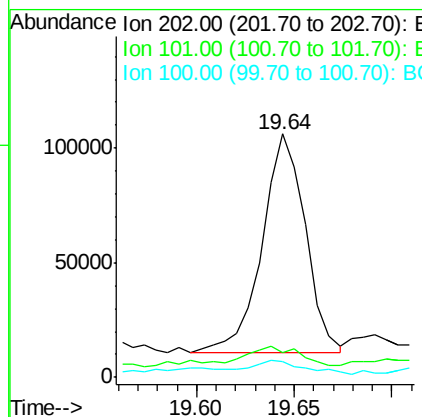
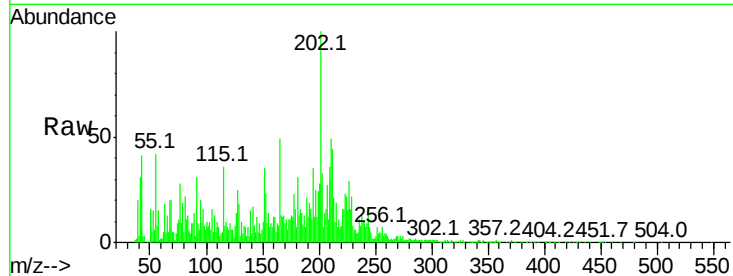
ClientSampleId :

DA8T9

Tot Ion:	202	Resp:	145184
Ion Ratio	Lower	Upper	
202	100		
101	10.0	6.2	9.2#
100	6.7	5.2	7.8

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:24 AM



#77

Pyrene

Concen: 7.94 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025249.D

Acq: 16 Dec 2016 21:55

Tgt Ion:	202	Resp:	240142
Ion Ratio	Lower	Upper	
202	100		
101	8.3	6.9	10.3
100	5.3	6.6	10.0#

