

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025227.D
 Acq On : 16 Dec 2016 1:11
 Operator : UM/SJ
 Sample : H5995-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA863

Manual Integrations
 APPROVED

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 12/16/2016 6:21:21 PM

Quant Time: Dec 16 07:59:37 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	79204	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	342788	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	274851	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	528902	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	676146	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	690002	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	2808	1.83	ng/uL	0.00
5) Phenol-d5	7.39	99	82503	12.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	48383	11.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	58204	12.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	67983	11.91	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	29560	12.18	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	38083	12.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	73247	12.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	6072	1.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	231035	12.22	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	281238	13.58	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	30953	9.53	ng/ul	0.01
57) Fluorene-d10	15.84	176	206996	11.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	35160	10.75	ng/ul	0.00
70) Anthracene-d10	17.70	188	309873	13.88	ng/ul	0.00
76) Pyrene-d10	19.97	212	369245	13.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	362436	12.96	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.42	94	40575	5.79	ng/ul	95
11) 2-Methylphenol	8.67	108	22335	4.33	ng/ul	89
14) Acetophenone	9.07	105	10639	1.22	ng/ul	86
16) 4-Methylphenol	9.01	108	36241	6.31	ng/ul	97
24) 2,4-Dimethylphenol	10.22	107	74447m	10.61	ng/ul	
28) Naphthalene	11.11	128	68734	4.31	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	32279	2.57	ng/ul	98
44) Dimethylphthalate	14.30	163	48793	2.63	ng/ul	98
49) Acenaphthene	14.92	153	107409	7.79	ng/ul	96
53) Dibenzofuran	15.25	168	72164	3.31	ng/ul	94
58) Fluorene	15.90	166	80899	4.56	ng/ul	92
69) Phenanthrene	17.64	178	679926	26.93	ng/ul	98
71) Anthracene	17.73	178	153919	5.93	ng/ul	97
72) Carbazole	18.00	167	95298	4.40	ng/ul	97
73) Di-n-butylphthalate	18.52	149	40703	1.49	ng/ul#	84
74) Fluoranthene	19.64	202	891135	29.71	ng/ul	100
77) Pyrene	20.00	202	802553	24.69	ng/ul	97
80) Benzo(a)anthracene	21.87	228	486694	13.85	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.73	149	4911465	280.40	ng/ul#	54
82) Chrysene	21.95	228	480839	14.63	ng/ul	98
85) Benzo(b)fluoranthene	24.22	252	647297m	18.92	ng/ul	
86) Benzo(k)fluoranthene	24.28	252	266708m	8.20	ng/ul	
88) Benzo(a)pyrene	25.15	252	497586	15.13	ng/ul	98

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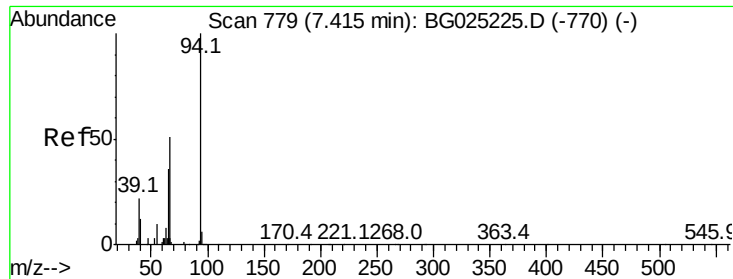
Manual Integrations
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Quant Time: Dec 16 07:59:37 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	29.24	276	362919m	8.88	ng/ul	
91) Benzo(g,h,i)perylene	30.48	276	293960m	8.62	ng/ul	

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



#6

Phenol

Concen: 5.79 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

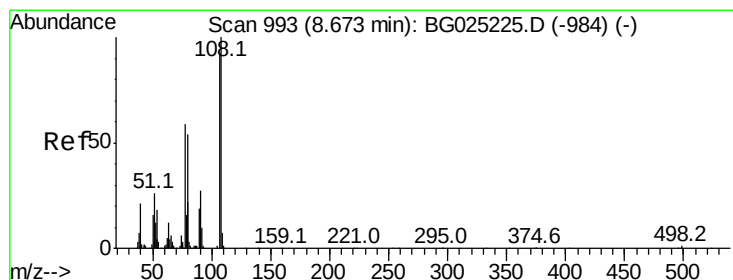
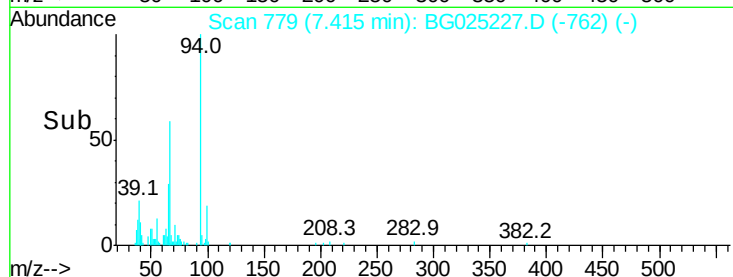
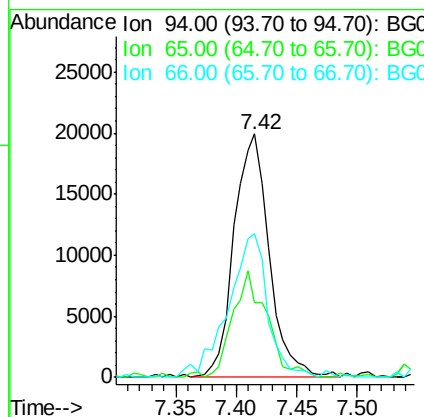
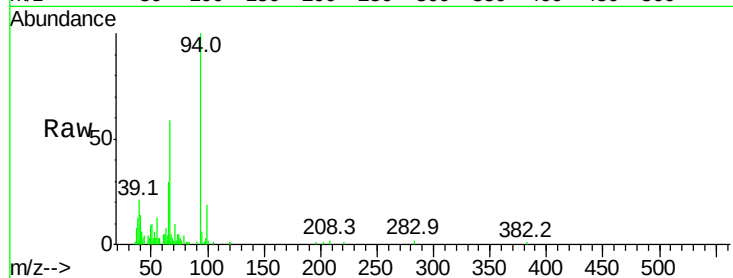
ClientSampleId :

DA863

Tot Ion:	94	Resp:	40575
Ion Ratio	Lower	Upper	
94	100		
65	30.5	26.8	40.2
66	59.0	44.4	66.6

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#11

2-Methylphenol

Concen: 4.33 ng/ul

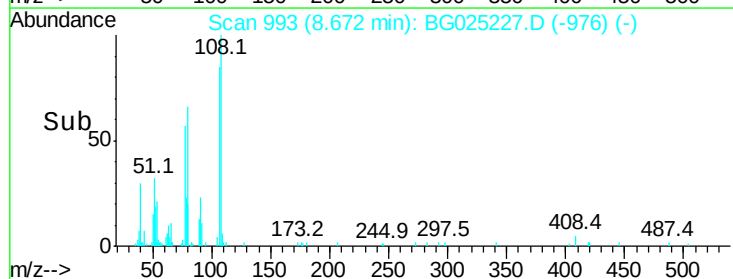
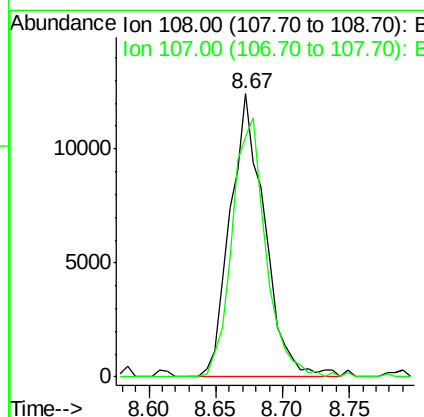
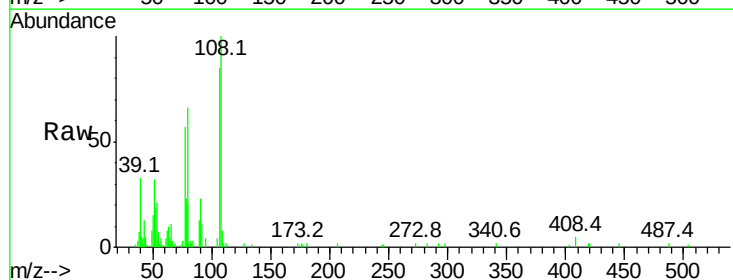
RT: 8.67 min Scan# 993

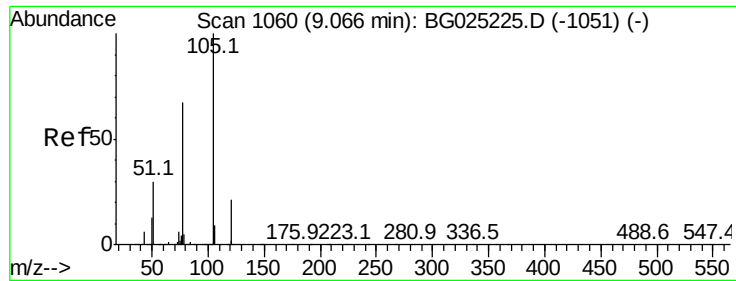
Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	108	Resp:	22335
Ion Ratio	Lower	Upper	
108	100		
107	84.8	76.7	115.1





#14

Acetophenone

Concen: 1.22 ng/ul

RT: 9.07 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

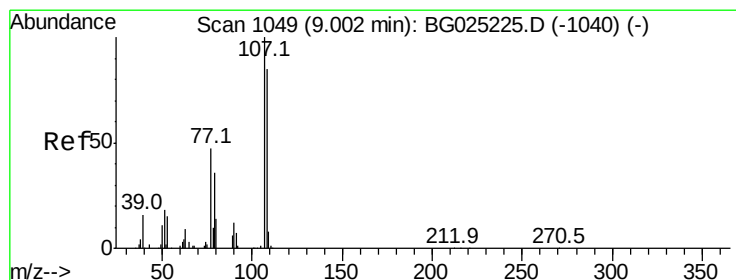
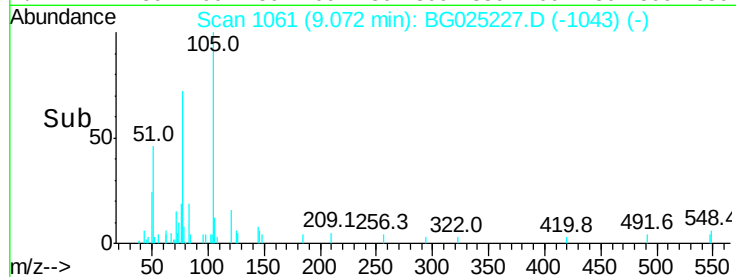
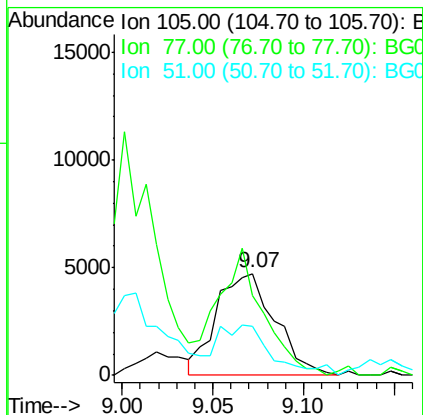
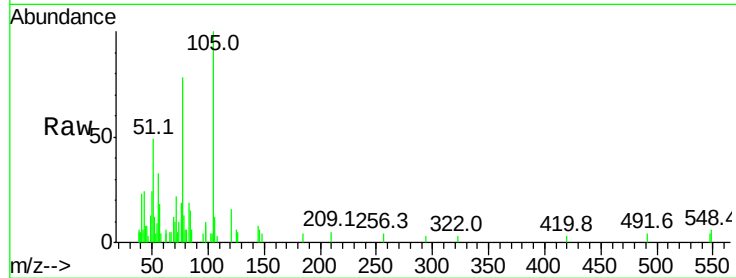
ClientSampleId :

DA863

Tot Ion:	105	Resp:	10639
Ion Ratio	Lower	Upper	
105	100		
77	78.2	76.0	114.0
51	48.9	34.8	52.2

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#16

4-Methylphenol

Concen: 6.31 ng/ul

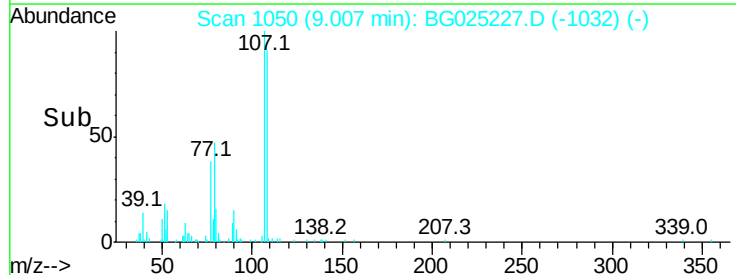
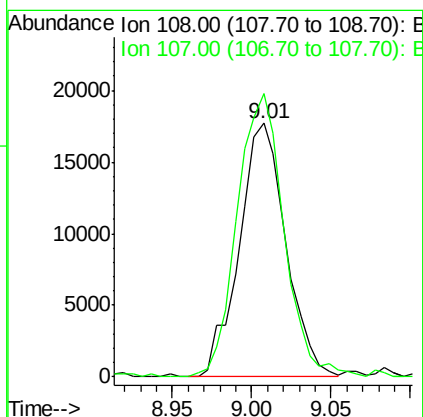
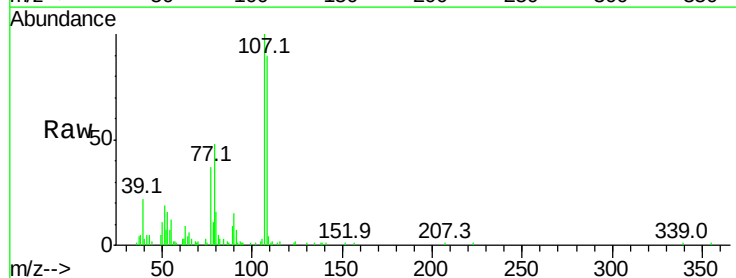
RT: 9.01 min Scan# 1050

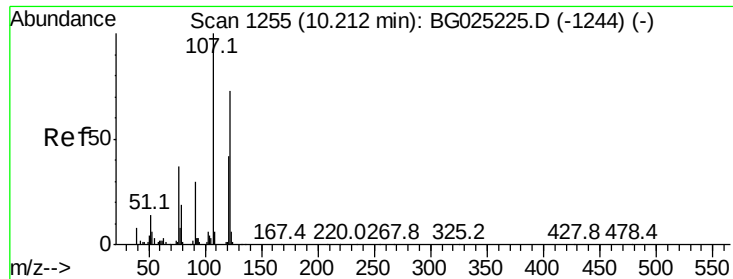
Delta R.T. 0.01 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	108	Resp:	36241
Ion Ratio	Lower	Upper	
108	100		
107	111.7	91.7	137.5





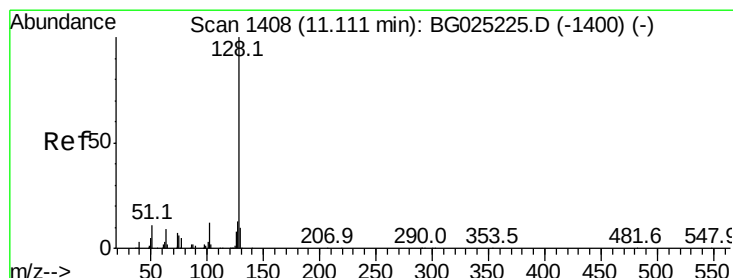
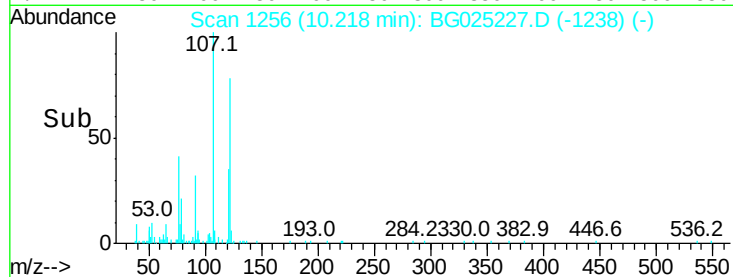
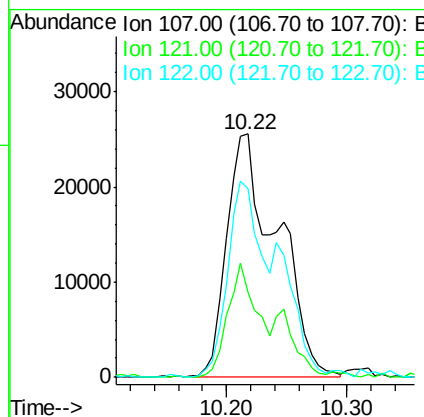
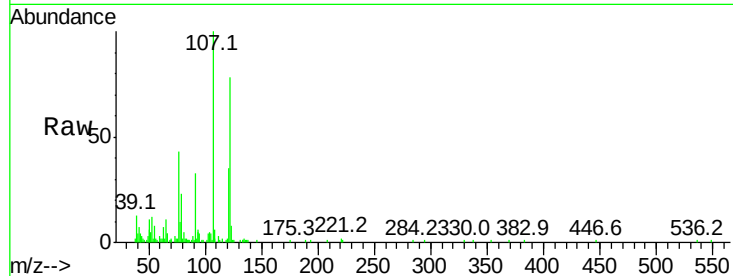
#24
2,4-Dimethylphenol
Concen: 10.61 ng/ul m
RT: 10.22 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BG025227.D
Acq: 16 Dec 2016 1:11

Instrument :
BNA_G
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
107	100		
121	34.8	32.3	48.5
122	77.7	61.2	91.8

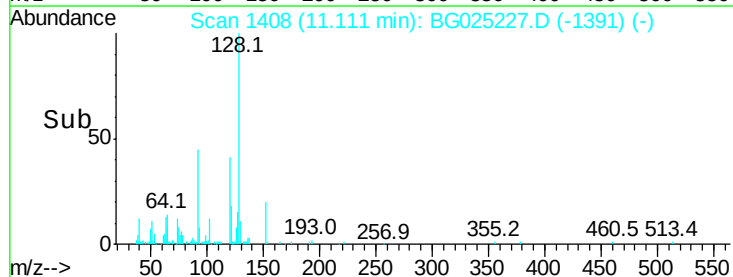
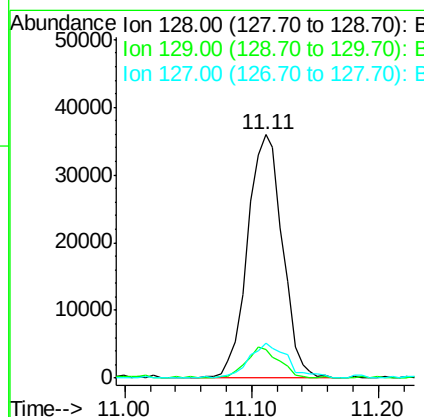
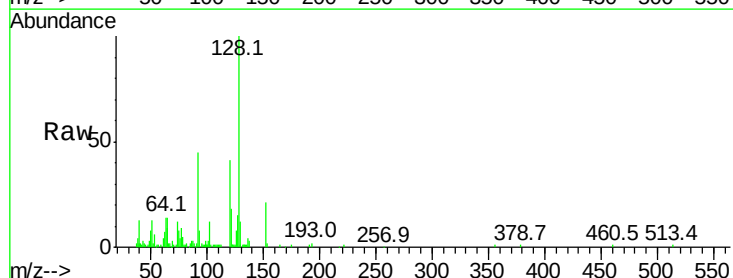
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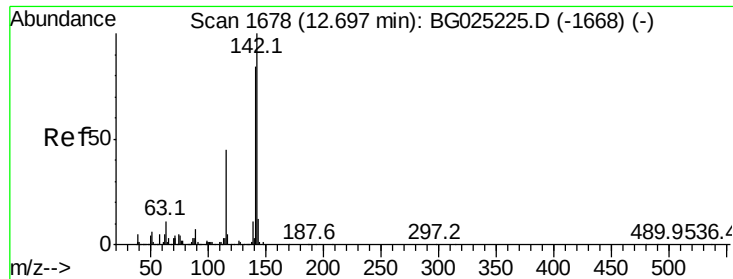
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#28
Naphthalene
Concen: 4.31 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BG025227.D
Acq: 16 Dec 2016 1:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.2
127	14.5	10.3	15.5





#34

2-Methylnaphthalene

Concen: 2.57 ng/ul

RT: 12.70 min Scan# 1678

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

ClientSampleId :

DA863

Tot Ion:142 Resp: 32279

Ion Ratio Lower Upper

142 100

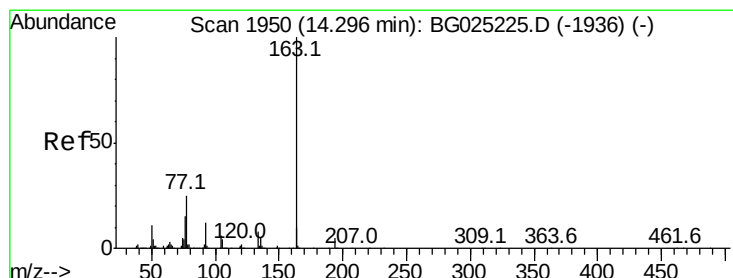
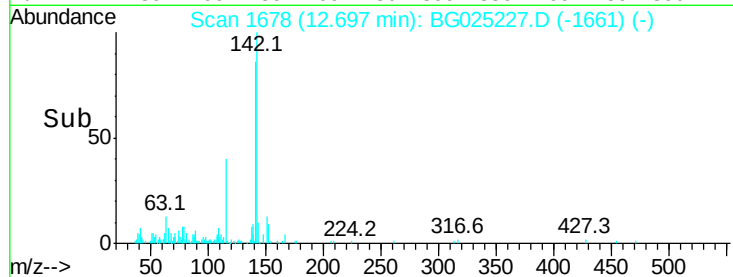
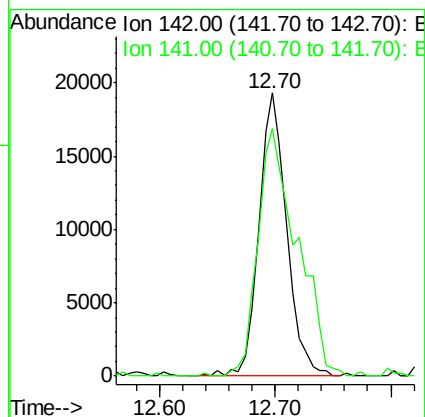
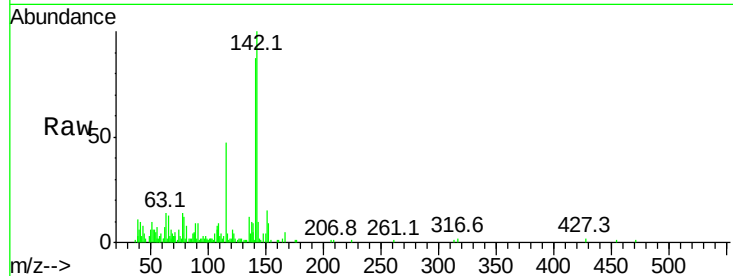
141 87.4 68.6 102.8

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#44

Dimethylphthalate

Concen: 2.63 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

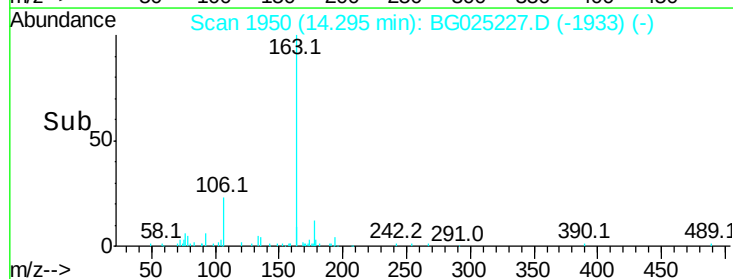
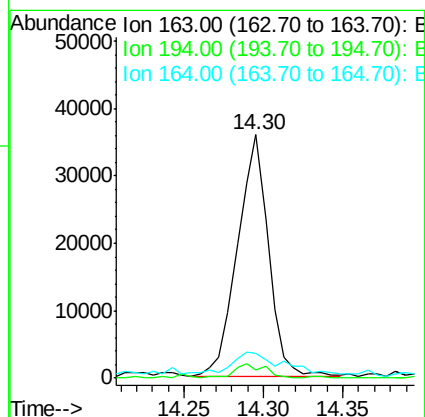
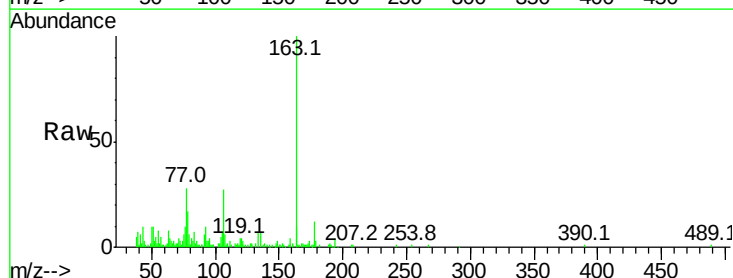
Tgt Ion:163 Resp: 48793

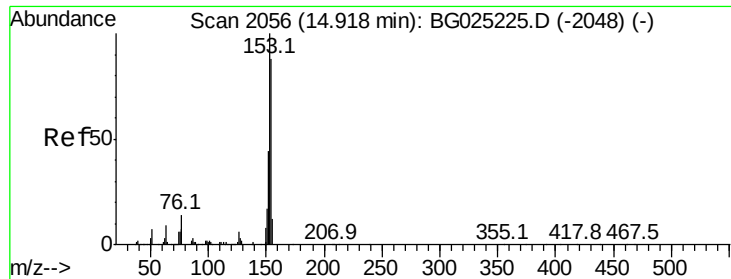
Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

164 10.3 9.0 13.4





#49

Acenaphthene

Concen: 7.79 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

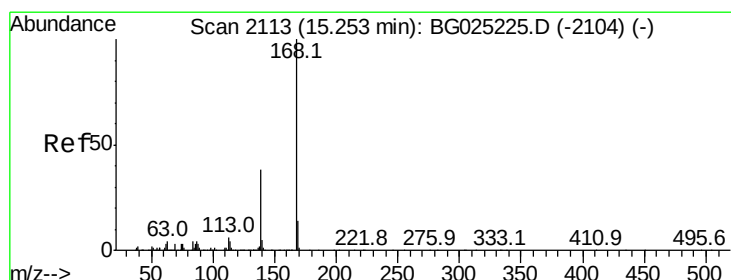
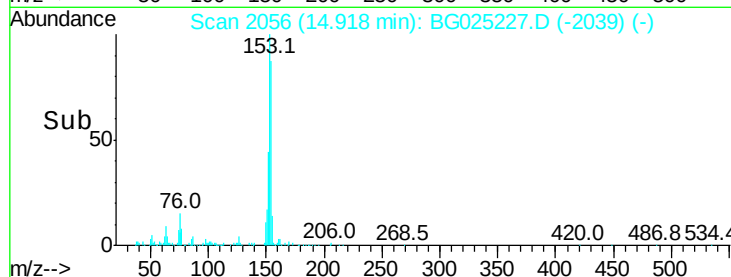
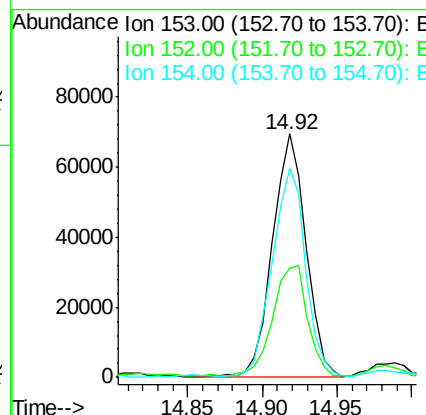
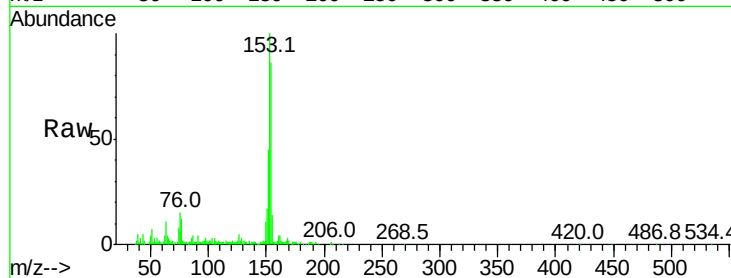
ClientSampleId :

DA863

Tot Ion:	153	Resp:	107409
Ion Ratio	Lower	Upper	
153	100		
152	44.6	36.5	54.7
154	85.7	72.3	108.5

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#53

Dibenzofuran

Concen: 3.31 ng/ul

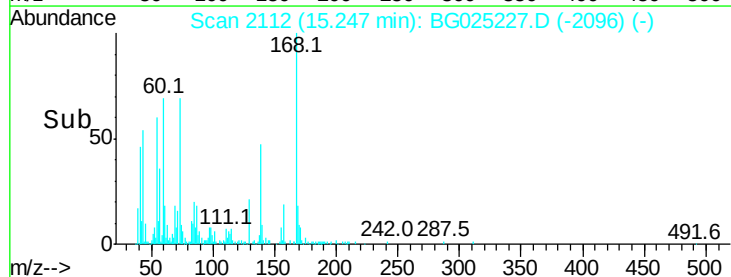
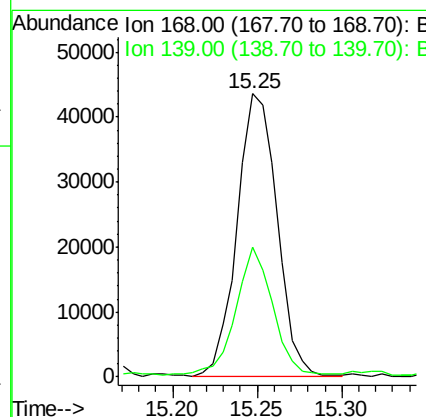
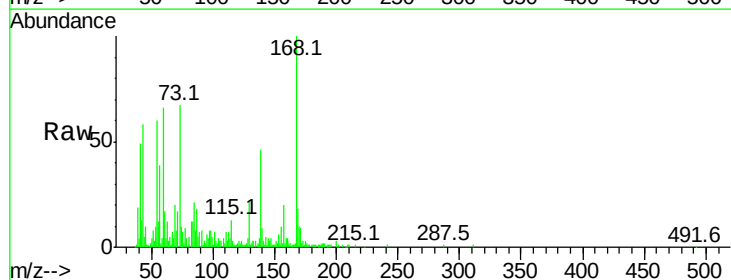
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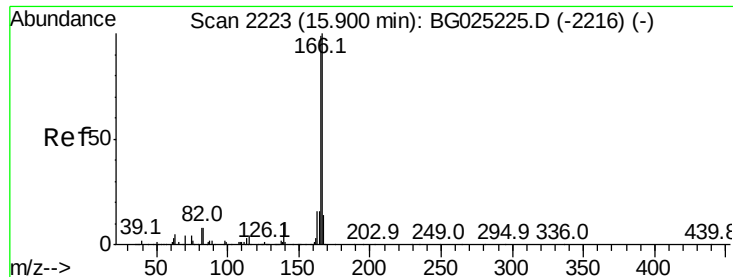
Delta R.T. -0.01 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	168	Resp:	72164
Ion Ratio	Lower	Upper	
168	100		
139	46.0	33.8	50.8





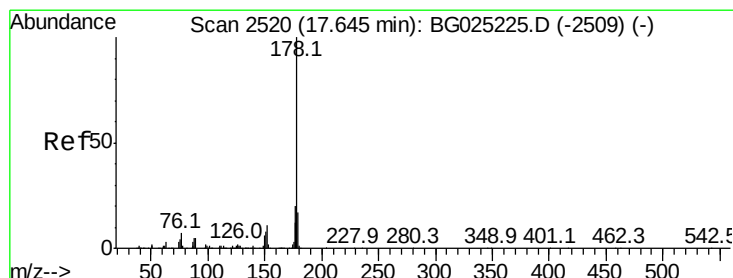
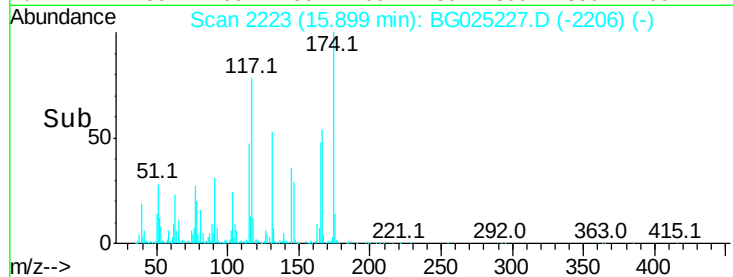
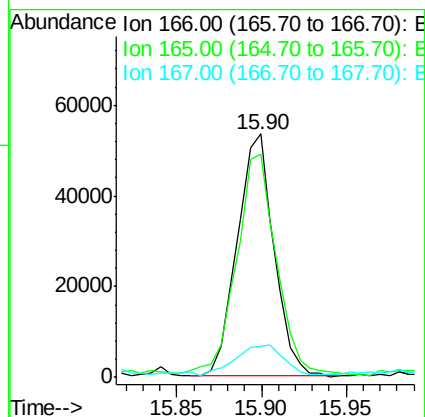
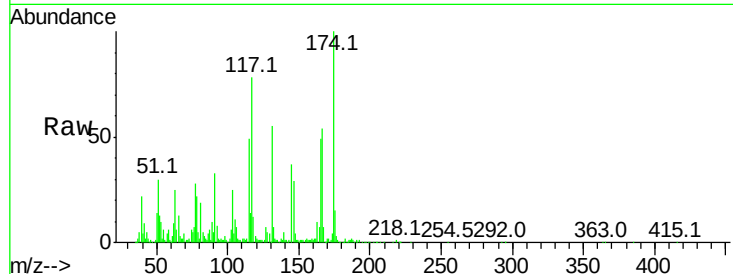
#58
 Fluorene
 Concen: 4.56 ng/ul
 RT: 15.90 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG025227.D
 Acq: 16 Dec 2016 1:11

Instrument :
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 ClientSampleId :
 DA863

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	91.5	79.7	119.5	
167	12.7	11.4	17.2	

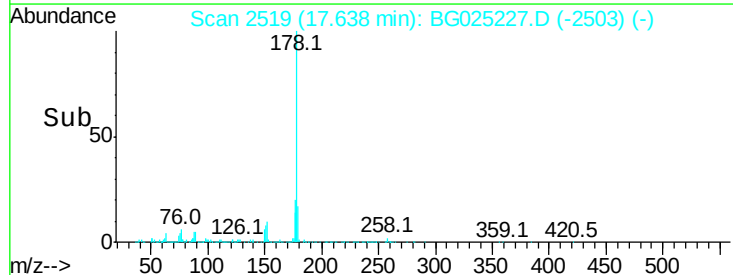
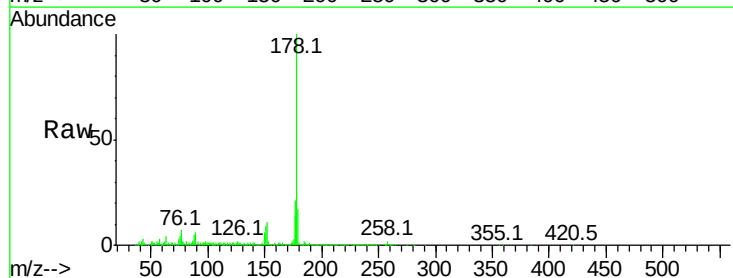
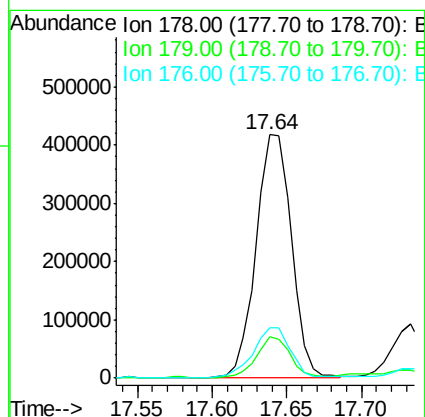
Manual Integrations
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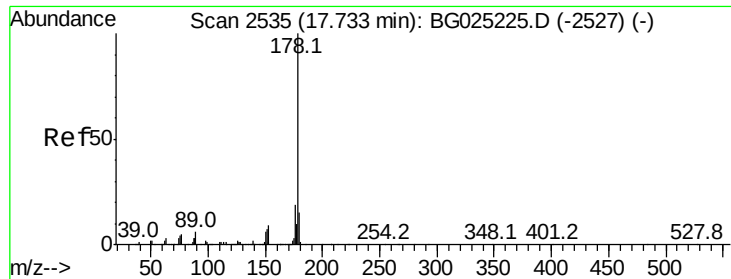
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#69
 Phenanthrene
 Concen: 26.93 ng/ul
 RT: 17.64 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG025227.D
 Acq: 16 Dec 2016 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	17.1	12.4	18.6	
176	20.7	16.5	24.7	





#71

Anthracene

Concen: 5.93 ng/ul

RT: 17.73 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

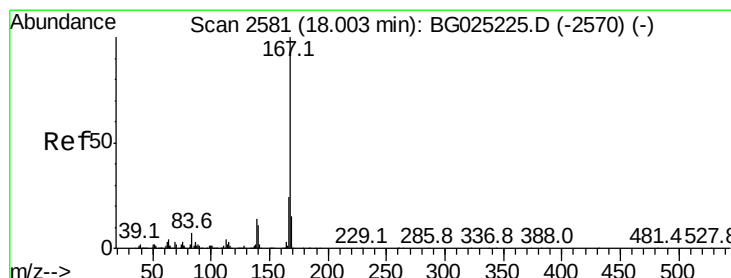
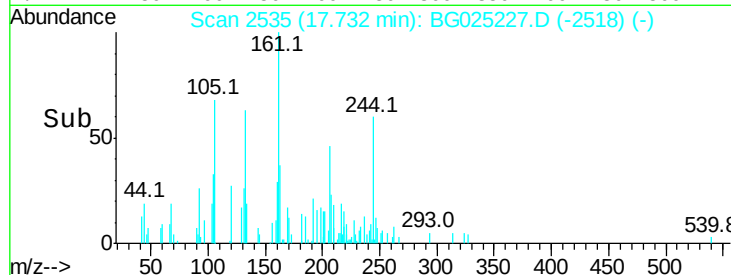
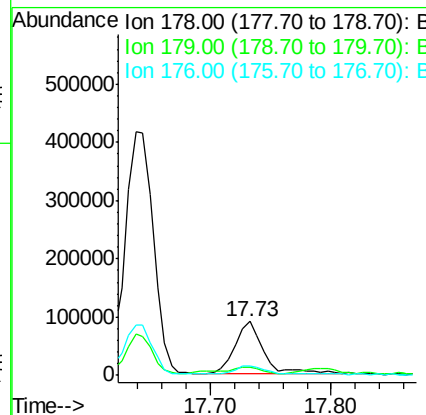
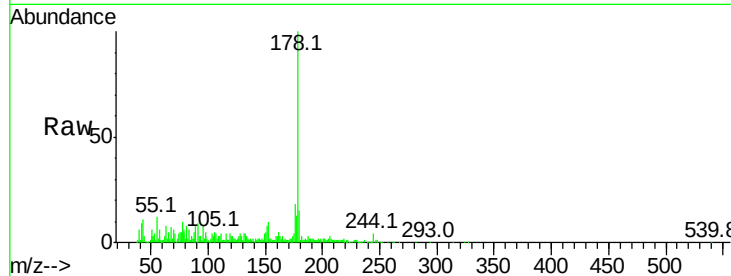
ClientSampleId :

DA863

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	17.7	15.9	23.9

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12/16/2016 6:21:21 PM



#72

Carbazole

Concen: 4.40 ng/ul

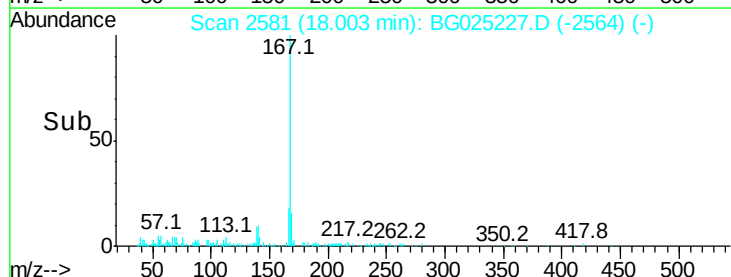
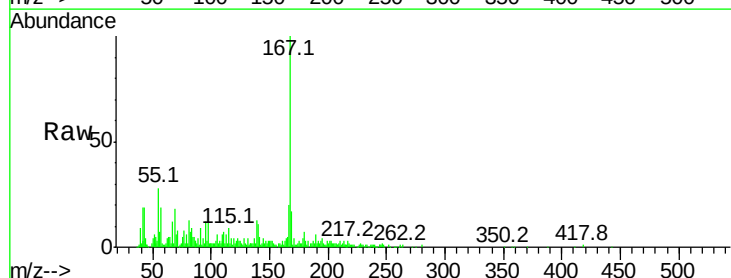
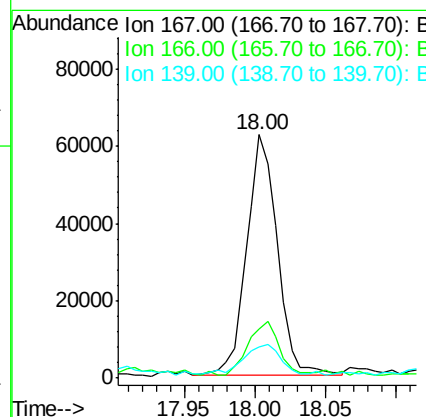
RT: 18.00 min Scan# 2581

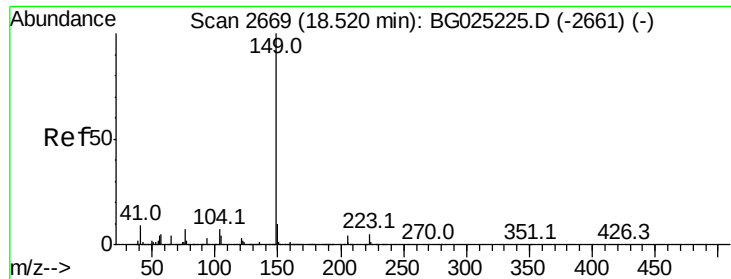
Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.9	26.9
139	12.6	10.5	15.7





#73

Di-n-butylphthalate

Concen: 1.49 ng/ul

RT: 18.52 min Scan# 2669

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

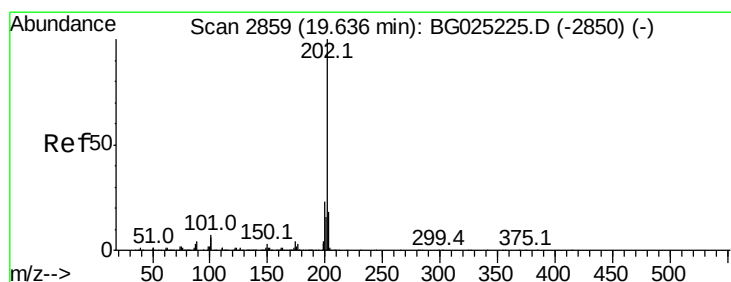
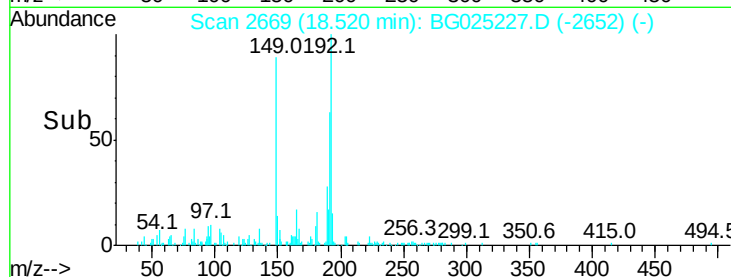
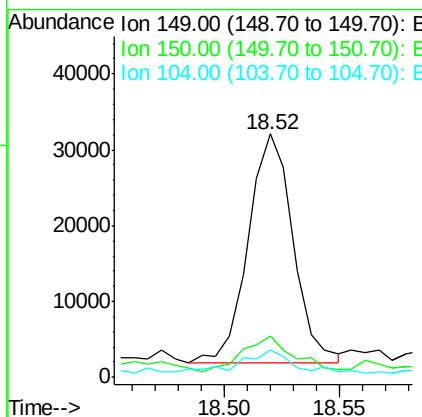
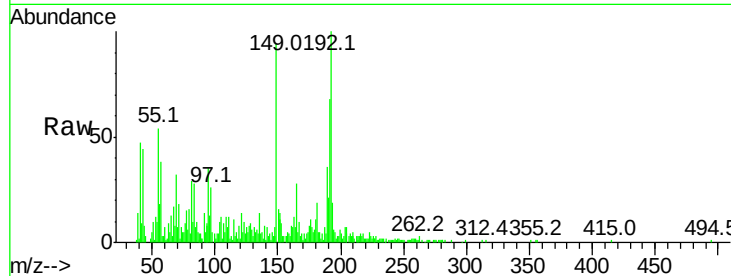
ClientSampleId :

DA863

Tot Ion:	149	Resp:	40703
Ion Ratio	Lower	Upper	
149	100		
150	17.2	7.9	11.9#
104	11.1	5.8	8.8#

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12/16/2016 6:21:21 PM



#74

Fluoranthene

Concen: 29.71 ng/ul

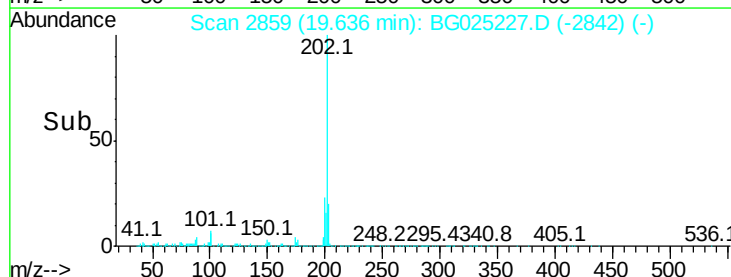
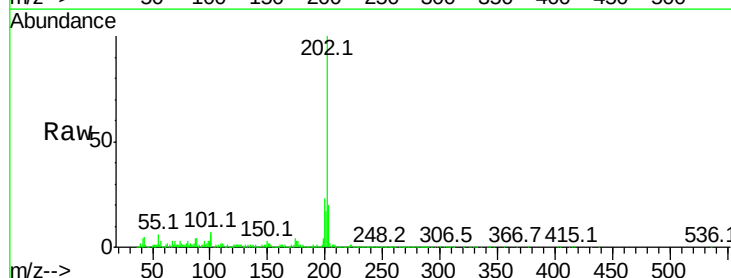
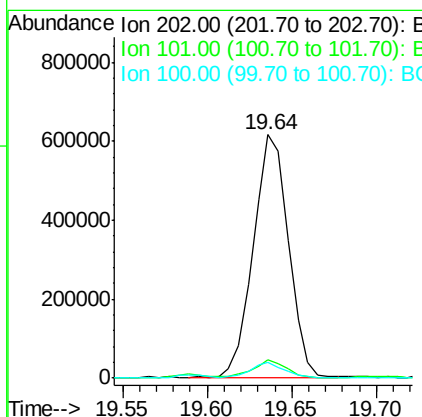
RT: 19.64 min Scan# 2859

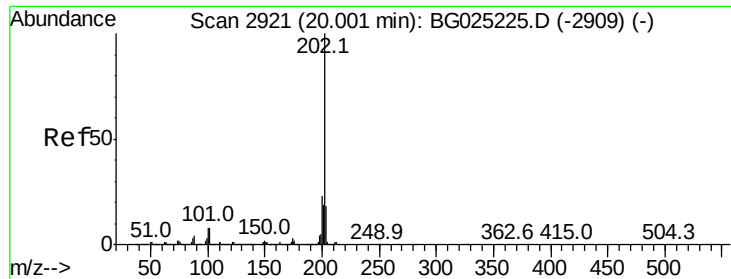
Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	202	Resp:	891135
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.2
100	6.4	5.2	7.8





#77

Pvrene

Concen: 24.69 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

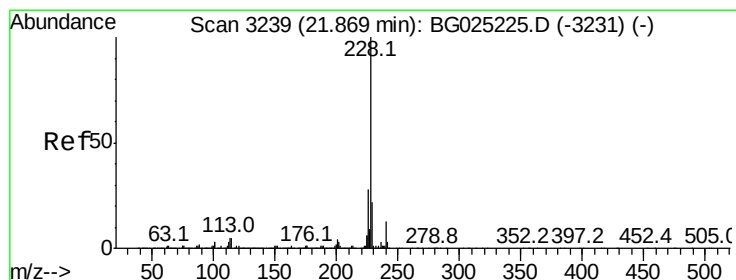
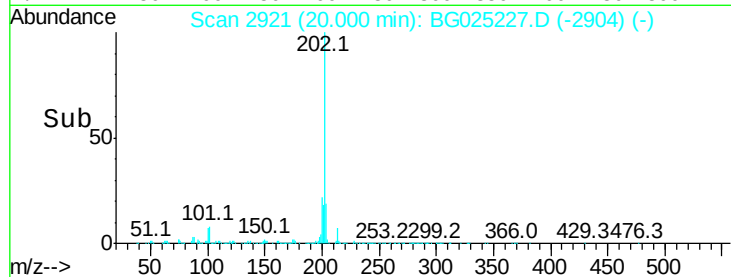
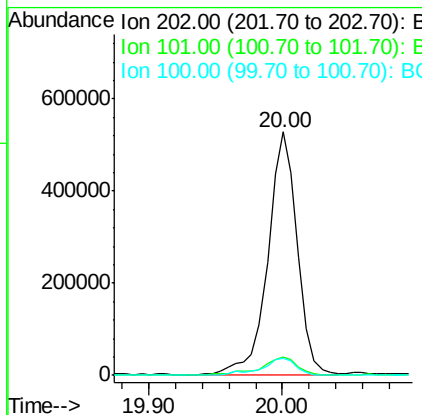
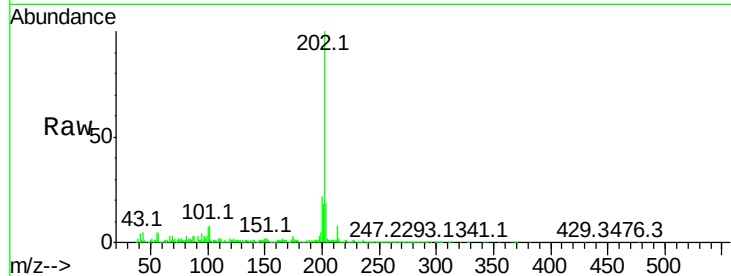
ClientSampleId :

DA863

Tot Ion:	202	Resp:	802553
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.9	10.3
100	7.0	6.6	10.0

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12/16/2016 6:21:21 PM



#80

Benzo(a)anthracene

Concen: 13.85 ng/ul

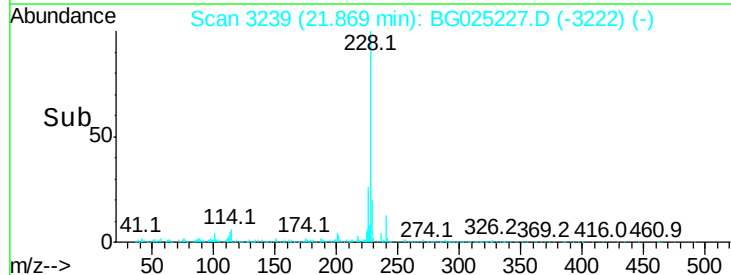
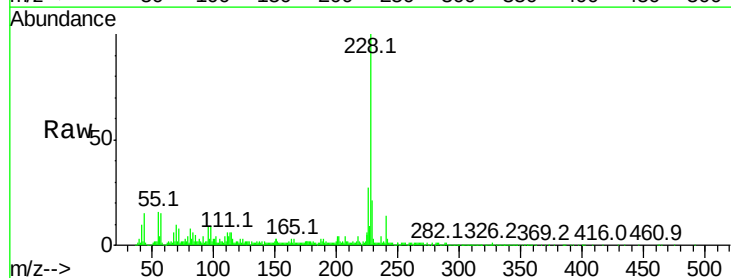
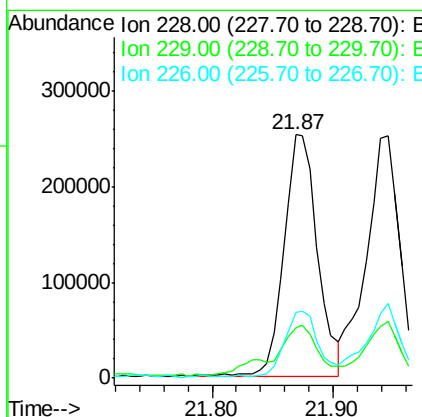
RT: 21.87 min Scan# 3239

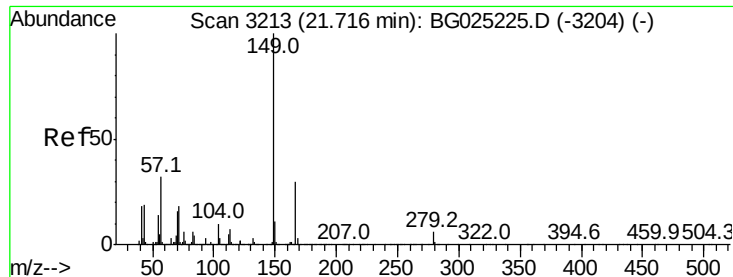
Delta R.T. -0.00 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	228	Resp:	486694
Ion Ratio	Lower	Upper	
228	100		
229	20.9	16.3	24.5
226	26.8	21.9	32.9





#81

Bis(2-ethylhexyl)phthalate

Concen: 280.40 ng/ul

RT: 21.73 min Scan# 3216

Delta R.T. 0.02 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

ClientSampleId :

DA863

Tot Ion:149 Resp: 4911465

Ion Ratio Lower Upper

149 100

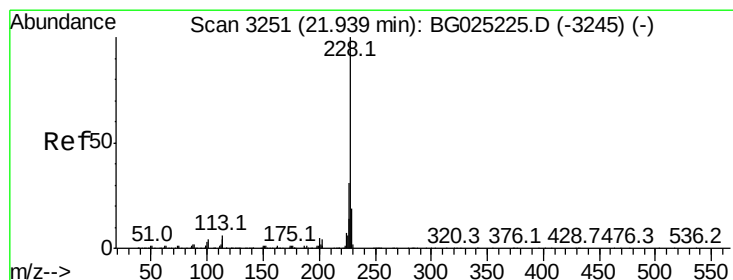
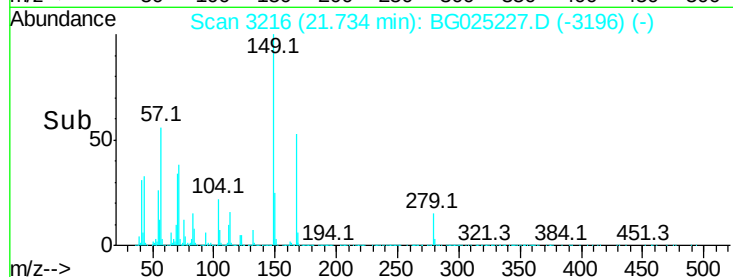
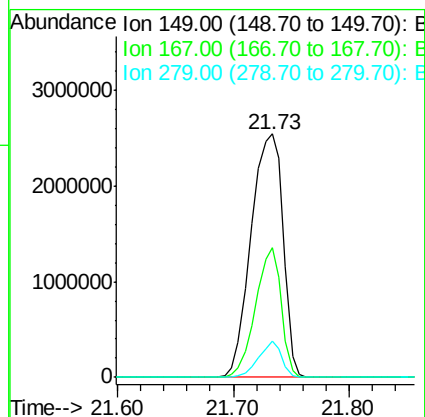
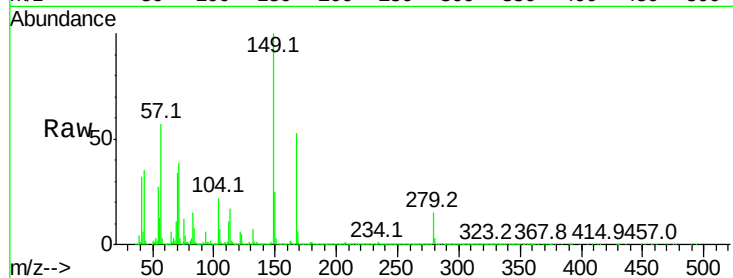
167 53.4 21.8 32.8#

279 14.7 4.5 6.7#

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12/16/2016 6:21:21 PM



#82

Chrysene

Concen: 14.63 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

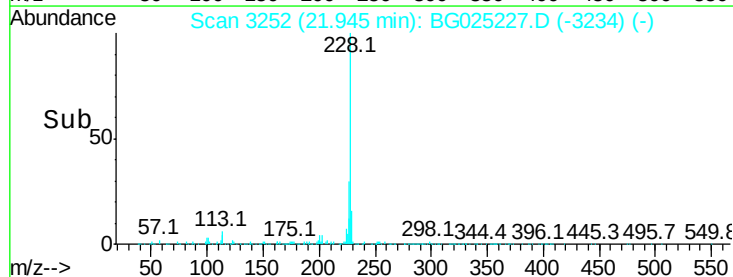
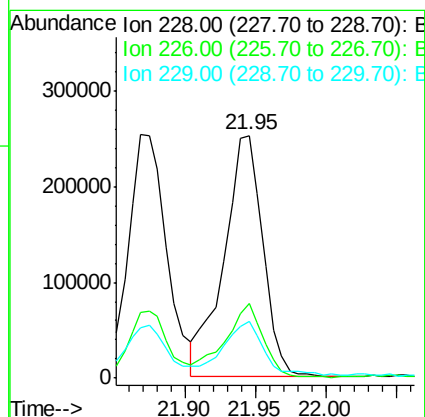
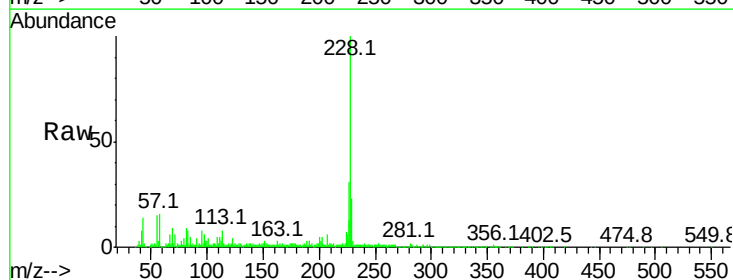
Tgt Ion:228 Resp: 480839

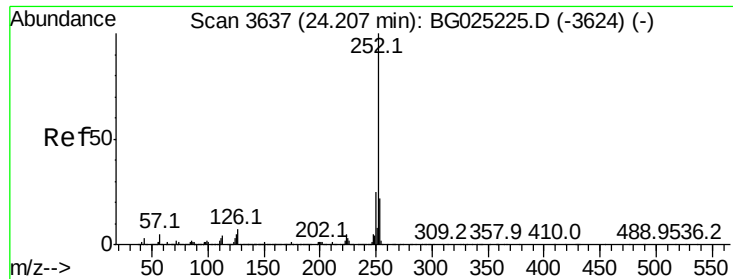
Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 23.1 16.9 25.3





#85

Benzo(b)fluoranthene

Concen: 18.92 ng/ul m

RT: 24.22 min Scan# 3640

Delta R.T. 0.02 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Instrument :

BNA_G

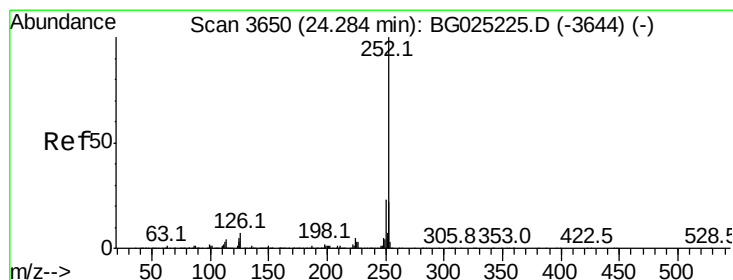
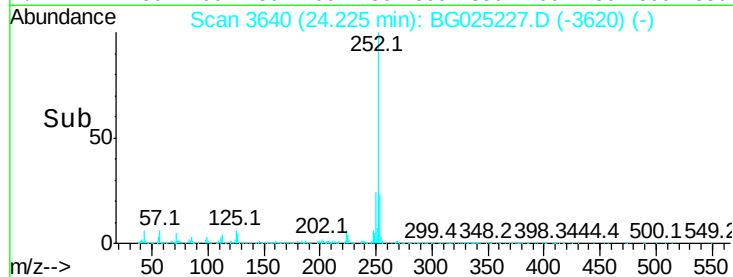
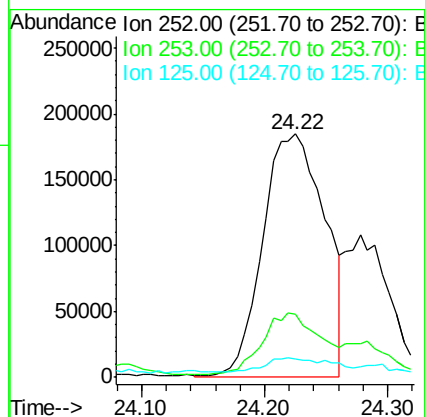
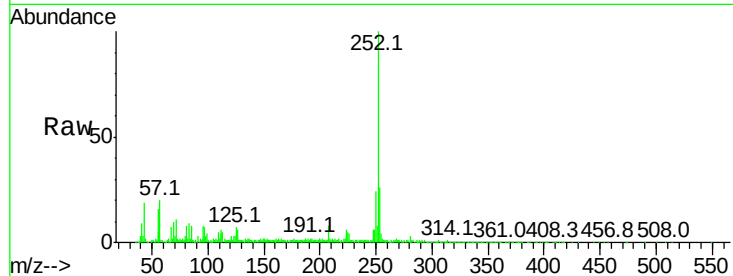
ClientSampled :

DA863

Tot Ion:	252	Resp:	647297
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.7	26.5
125	7.5	4.0	6.0#

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12/16/2016 6:21:21 PM



#86

Benzo(k)fluoranthene

Concen: 8.20 ng/ul m

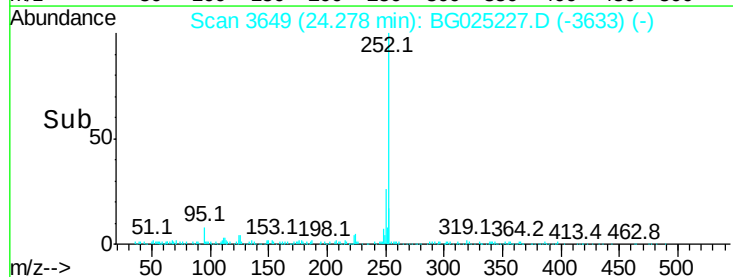
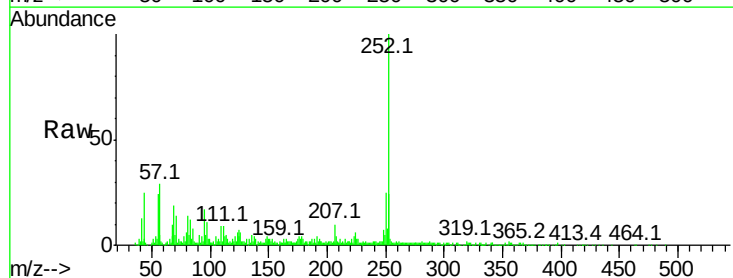
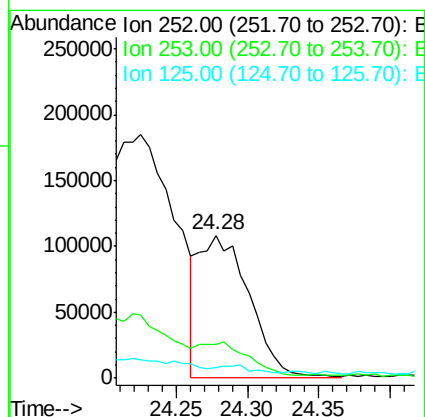
RT: 24.28 min Scan# 3649

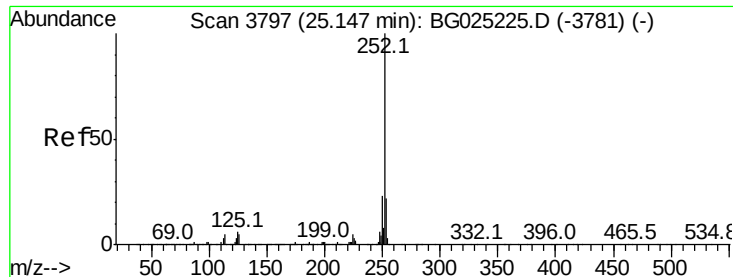
Delta R.T. -0.01 min

Lab File: BG025227.D

Acq: 16 Dec 2016 1:11

Tgt Ion:	252	Resp:	266708
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.5	27.7
125	7.0	4.1	6.1#





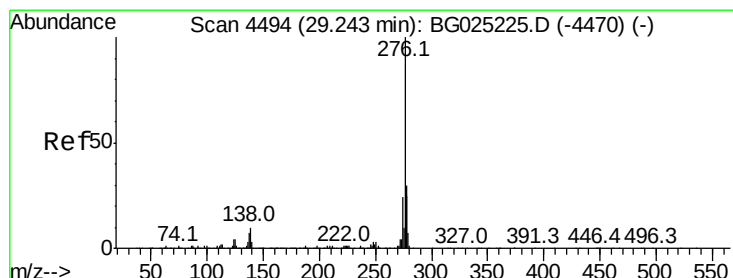
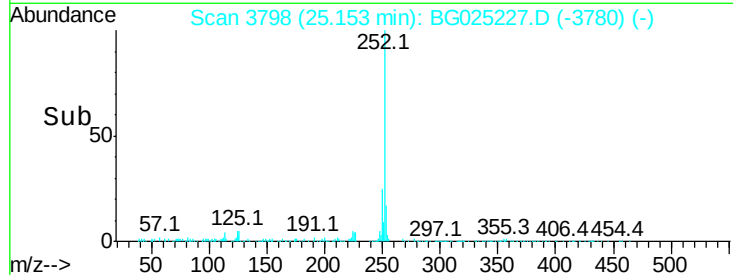
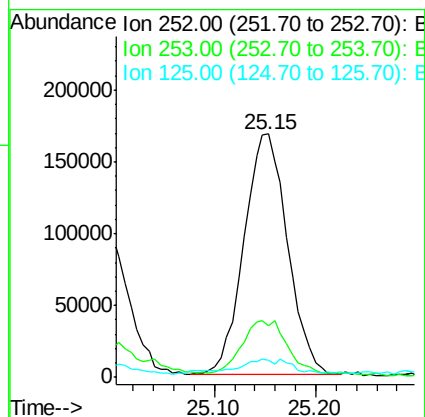
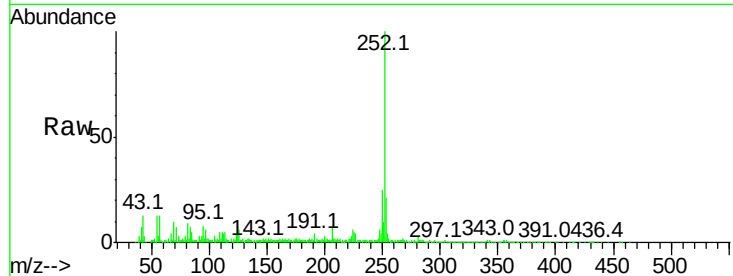
#88
Benzo(a)pyrene
Concen: 15.13 ng/ul
RT: 25.15 min Scan# 3798
Delta R.T. 0.01 min
Lab File: BG025227.D
Acq: 16 Dec 2016 1:11

Instrument :
BNA_G
ClientSampleId :
DA863

Tot Ion:	252	Resp:	497586
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.8	26.6
125	6.9	5.4	8.0

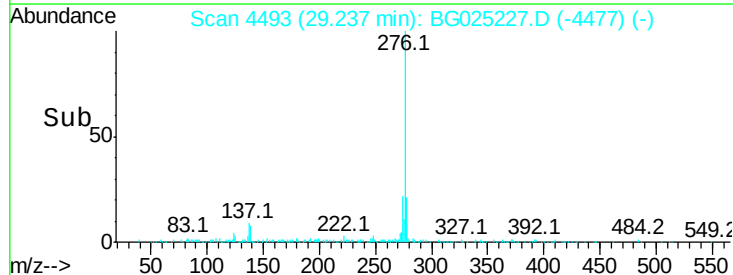
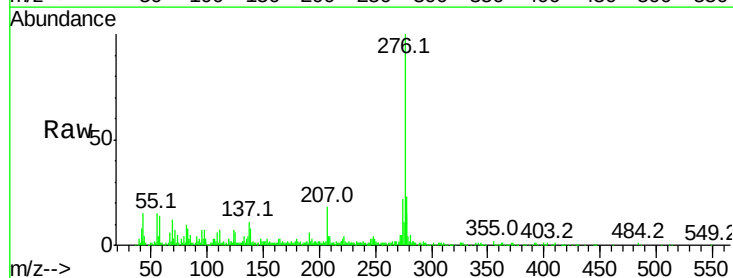
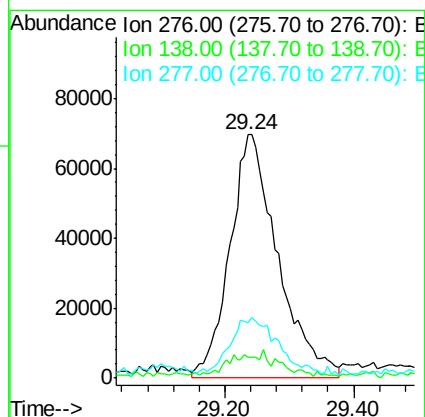
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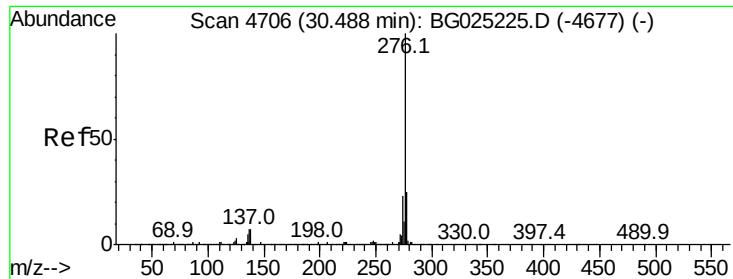
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#89
Indeno(1,2,3-cd)pyrene
Concen: 8.88 ng/ul m
RT: 29.24 min Scan# 4493
Delta R.T. -0.01 min
Lab File: BG025227.D
Acq: 16 Dec 2016 1:11

Tgt Ion:	276	Resp:	362919
Ion Ratio	Lower	Upper	
276	100		
138	8.4	8.2	12.4
277	23.0	18.6	28.0





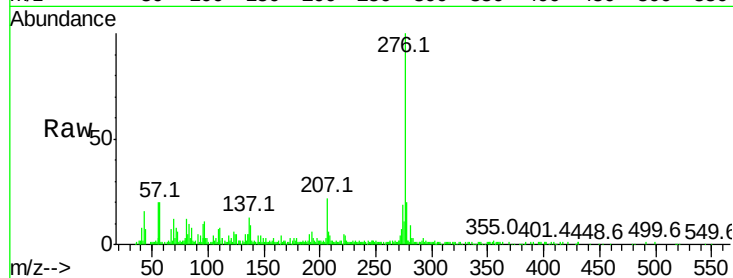
#91
Benzo(a,h,i)perylene
Concen: 8.62 ng/ul m
RT: 30.48 min Scan# 4704
Delta R.T. -0.01 min
Lab File: BG025227.D
Acq: 16 Dec 2016 1:11

Instrument :
BNA_G
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.9	8.6	12.8
277	20.3	17.6	26.4

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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

