

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020614.D
 Acq On : 30 Dec 2015 18:32
 Operator : UM/SJ
 Sample : G4802-20DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D95DL

Manual Integrations
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 12/31/2015 6:34:35 PM

Quant Time: Dec 31 01:36:29 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 01:03:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	16748	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	76865	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	58048	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	148144	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	175957	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	172385	20.00	ng/ul	0.00

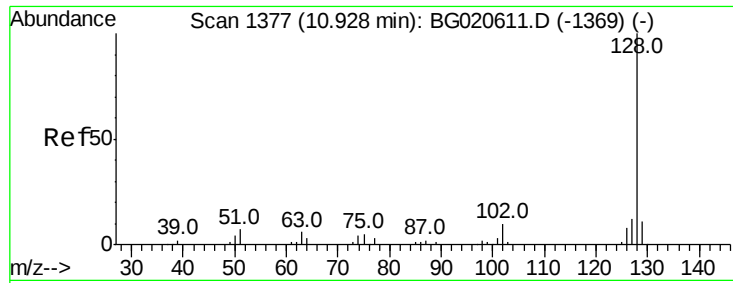
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	172	0.62	ng/uL	0.00
5) Phenol-d5	7.22	99	6380	4.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	5098	5.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	5541	5.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	1544	1.27	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	3460	5.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	3979	5.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	6278	4.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	4826	3.10	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	28927	6.09	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	36303	6.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	1957	2.63	ng/ul	0.01
58) Fluorene-d10	15.68	176	29171	6.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	3477	3.87	ng/ul	0.00
71) Anthracene-d10	17.54	188	45907	6.65	ng/ul	0.00
79) Pyrene-d10	19.82	212	55344	7.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	60332	7.01	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.93	128	21294	5.23	ng/ul	96
45) Dimethylphthalate	14.14	163	6174	1.27	ng/ul	98
48) Acenaphthylene	14.42	152	13931m	2.42	ng/ul	
50) Acenaphthene	14.76	153	19571	5.03	ng/ul	98
59) Fluorene	15.74	166	25651	5.43	ng/ul	98
70) Phenanthrene	17.48	178	144200	17.90	ng/ul	99
72) Anthracene	17.57	178	51724	6.28	ng/ul	95
77) Fluoranthene	19.49	202	174863	17.77	ng/ul	100
80) Pvrene	19.85	202	316267	31.03	ng/ul	99
83) Benzo(a)anthracene	21.69	228	126291	12.27	ng/ul	96
85) Chrysene	21.76	228	112566	11.62	ng/ul	96
88) Benzo(b)fluoranthene	23.93	252	76793	7.50	ng/ul#	95
89) Benzo(k)fluoranthene	23.98	252	22410m	2.28	ng/ul	
91) Benzo(a)pyrene	24.81	252	87525	8.90	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.68	276	37086	3.16	ng/ul	99
93) Dibenzo(a,h)anthracene	28.71	278	14194m	1.45	ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	41346	4.29	ng/ul	98

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



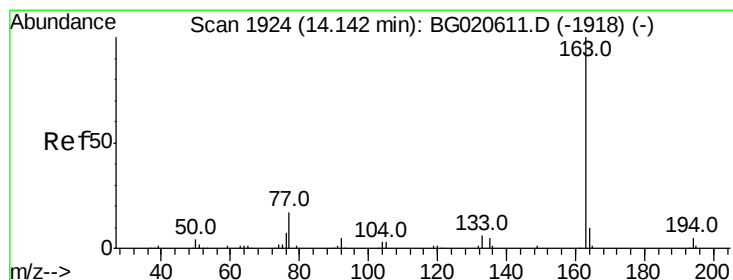
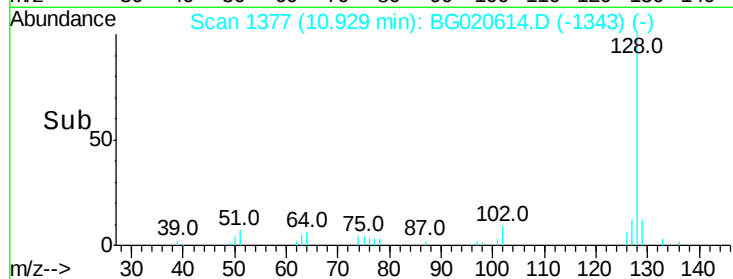
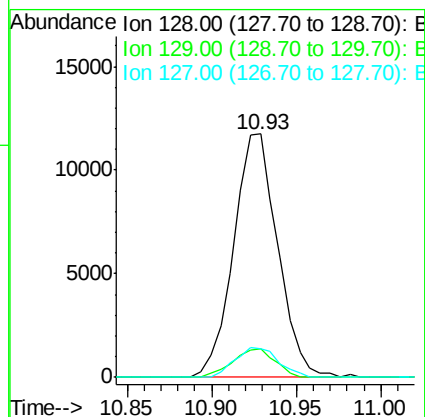
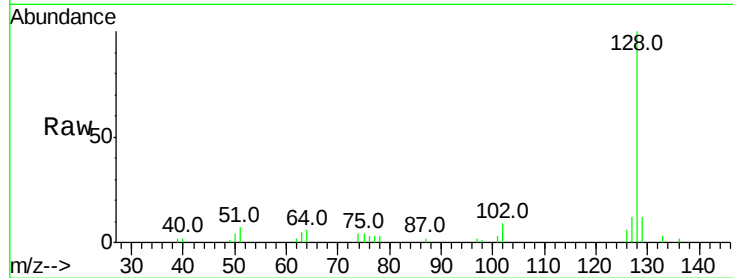
#28
Naphthalene
Concen: 5.23 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Instrument :
BNA_G
ClientSampleId :
G9D95DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	11.6	10.8	16.2

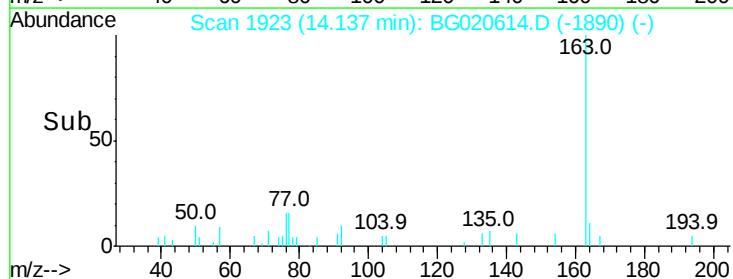
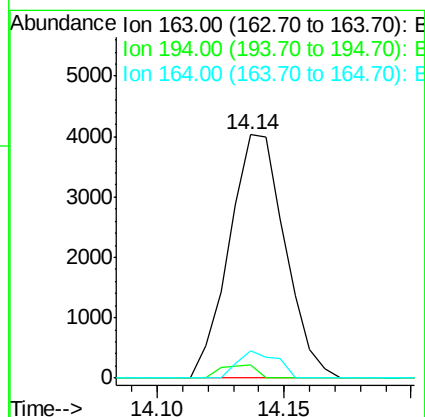
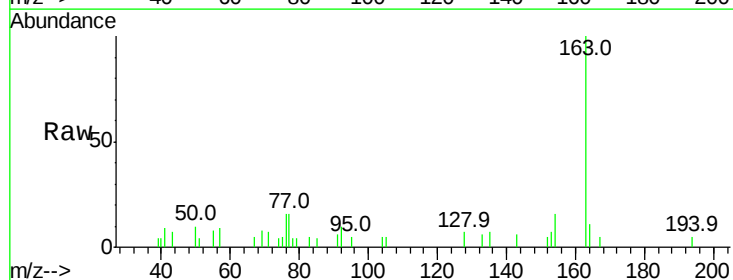
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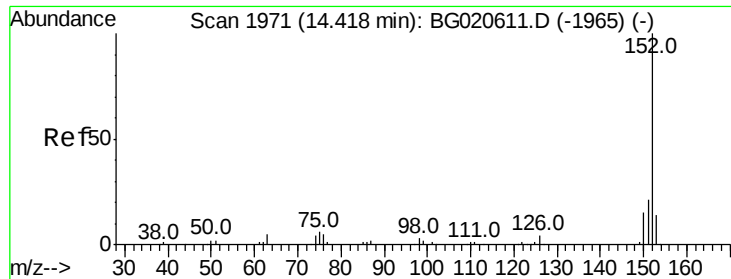
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#45
Dimethylphthalate
Concen: 1.27 ng/ul
RT: 14.14 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.0	6.0
164	11.3	8.4	12.6





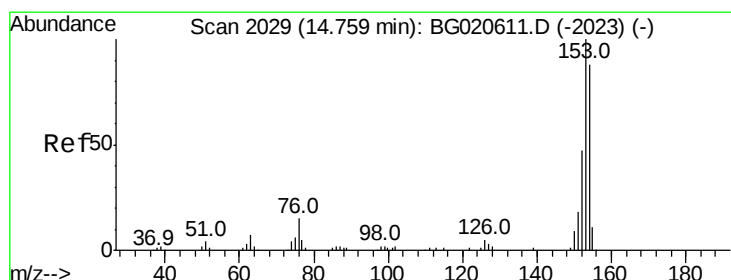
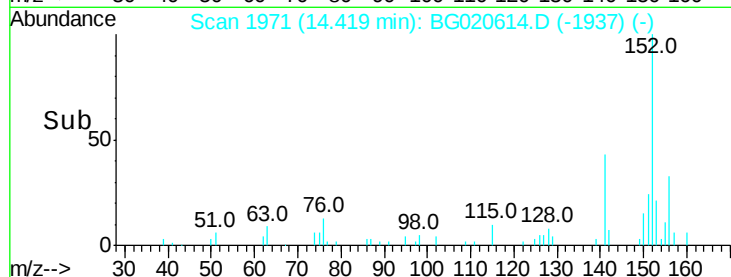
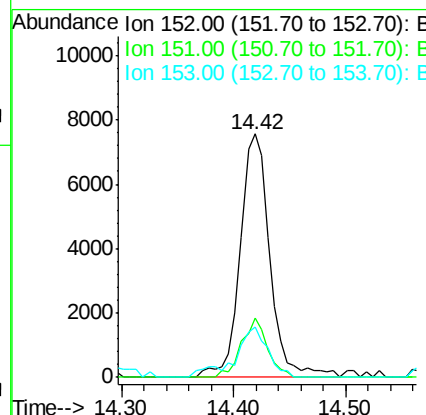
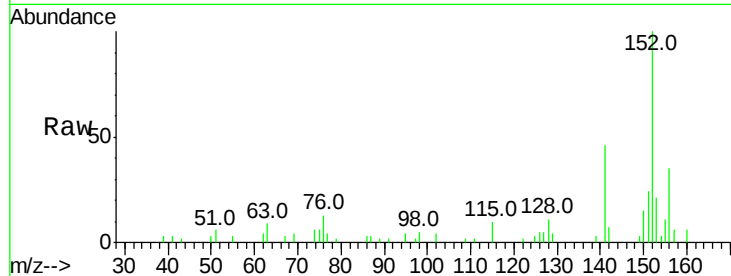
#48
Acenaphthylene
Concen: 2.42 ng/ul m
RT: 14.42 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Instrument :
BNA_G
ClientSampleId :
G9D95DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	24.1	16.1	24.1
153	20.8	10.8	16.2

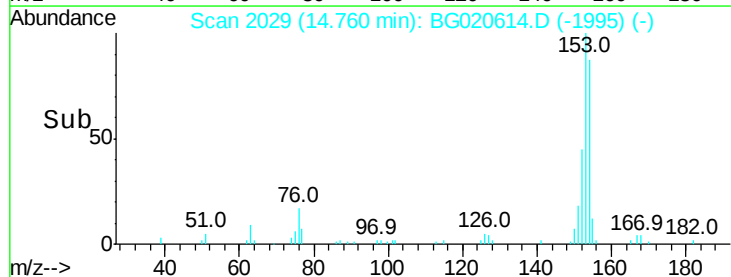
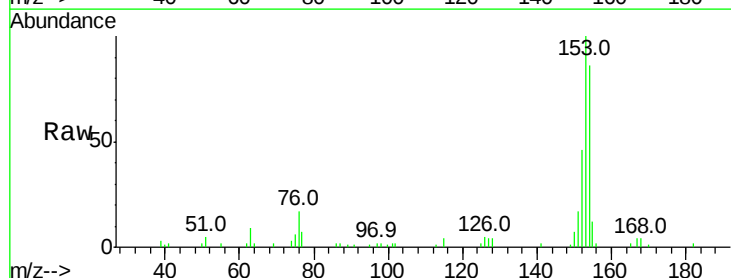
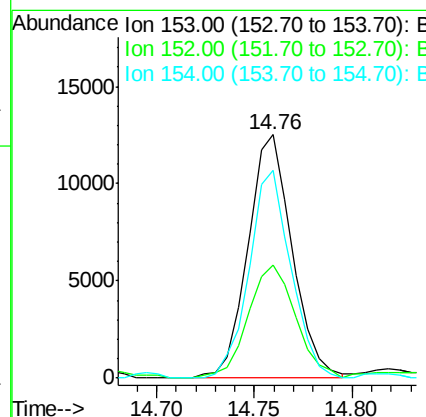
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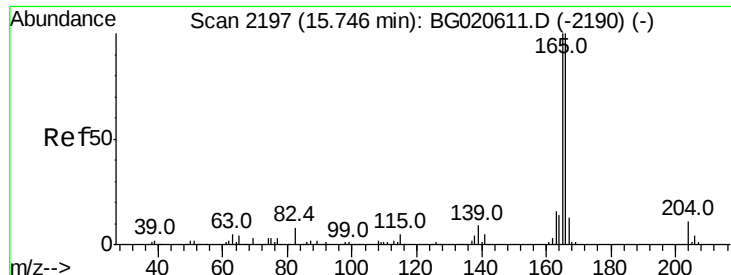
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#50
Acenaphthene
Concen: 5.03 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.9	56.9
154	85.6	69.8	104.6





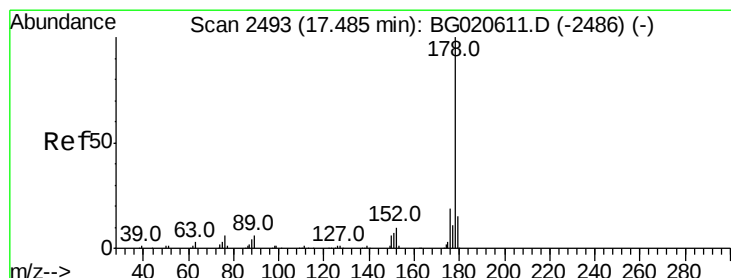
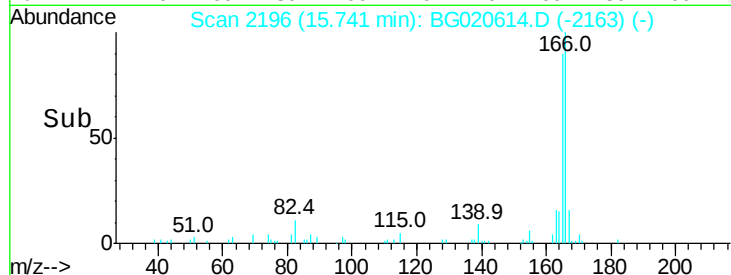
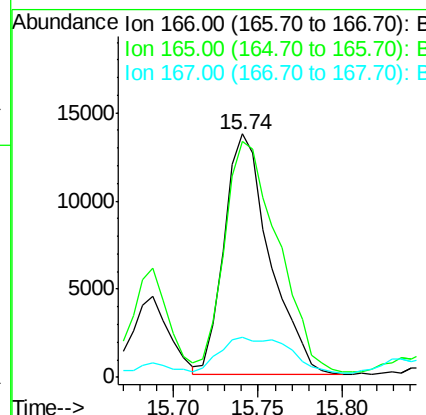
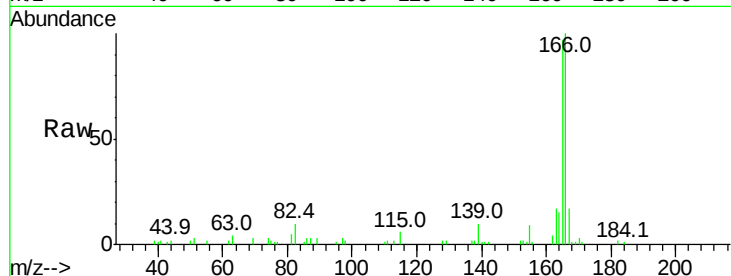
#59
 Fluorene
 Concen: 5.43 ng/ul
 RT: 15.74 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG020614.D
 Acq: 30 Dec 2015 18:32

Instrument :
 BNA_G
 ClientSampleId :
 G9D95DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	25651		
165	96.8		78.4	117.6
167	16.5		11.1	16.7

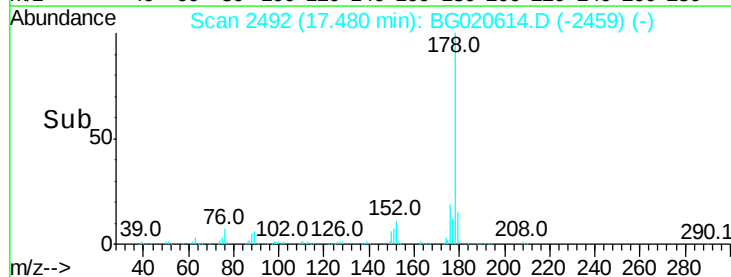
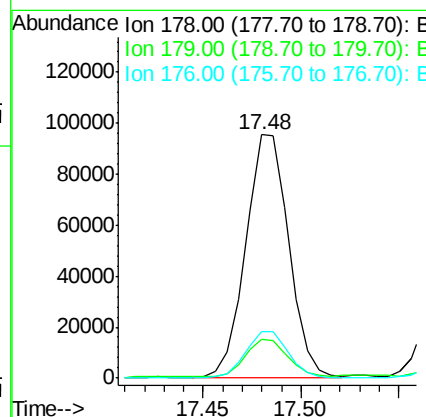
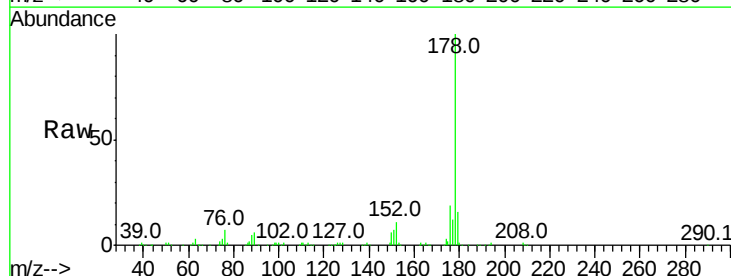
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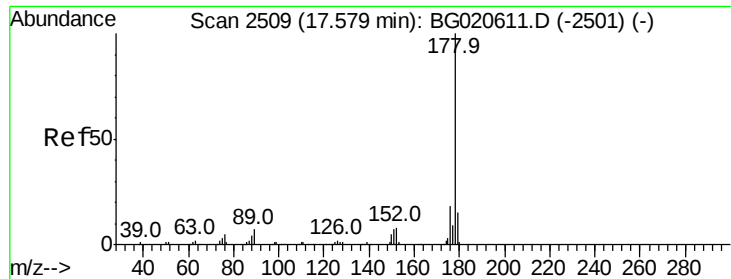
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#70
 Phenanthrene
 Concen: 17.90 ng/ul
 RT: 17.48 min Scan# 2492
 Delta R.T. -0.01 min
 Lab File: BG020614.D
 Acq: 30 Dec 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	144200		
179	15.9		12.3	18.5
176	19.2		15.4	23.0





#72

Anthracene

Concen: 6.28 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. -0.01 min

Lab File: BG020614.D

Acq: 30 Dec 2015 18:32

Instrument :

BNA_G

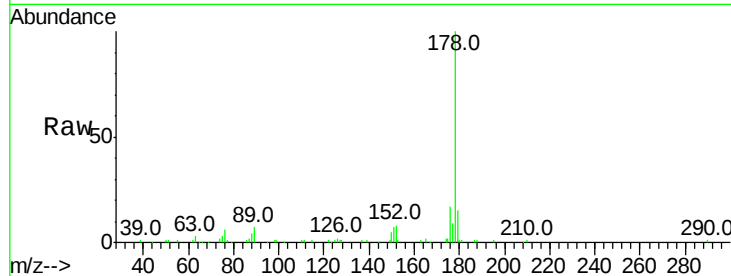
ClientSampleId :

G9D95DL

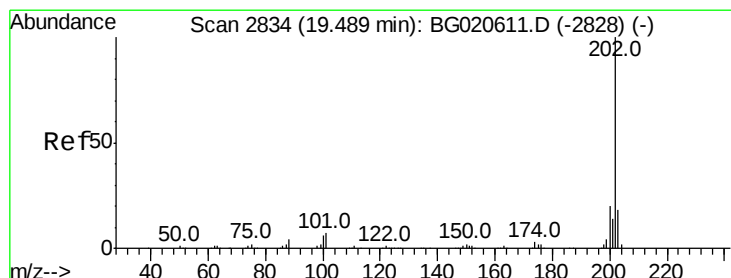
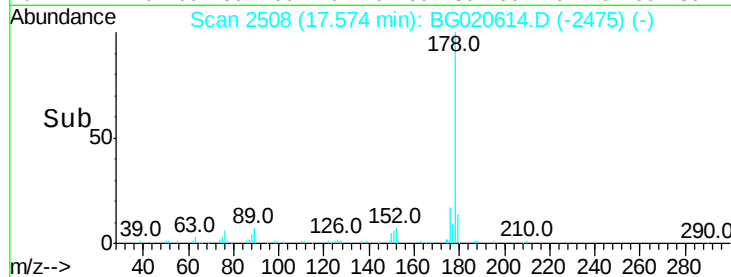
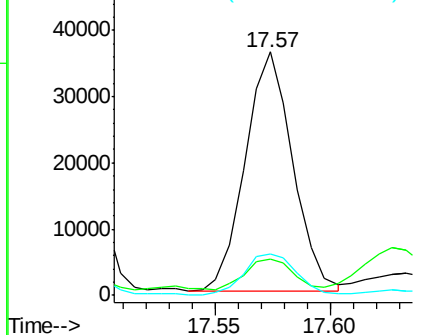
Tot Ion:	178	Resp:	51724
Ion Ratio	Lower	Upper	
178	100		
179	14.9	13.4	20.2
176	17.0	15.4	23.0

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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



#77

Fluoranthene

Concen: 17.77 ng/ul

RT: 19.49 min Scan# 2834

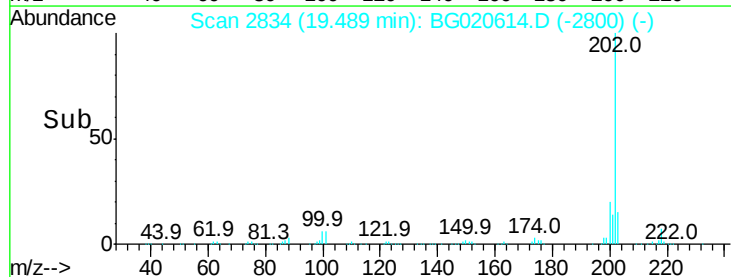
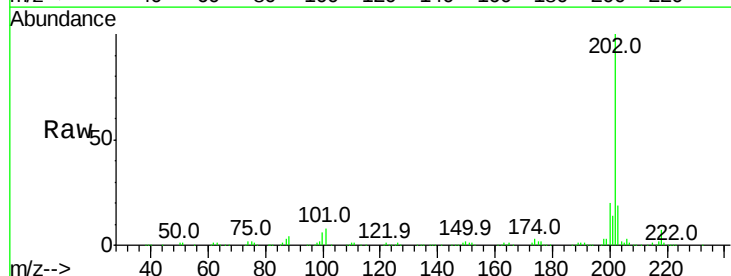
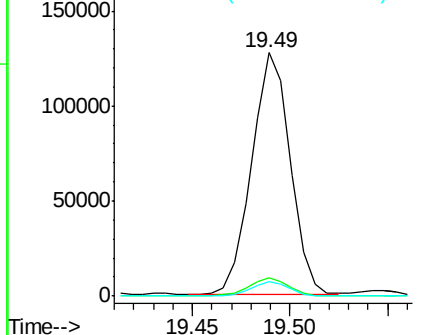
Delta R.T. 0.00 min

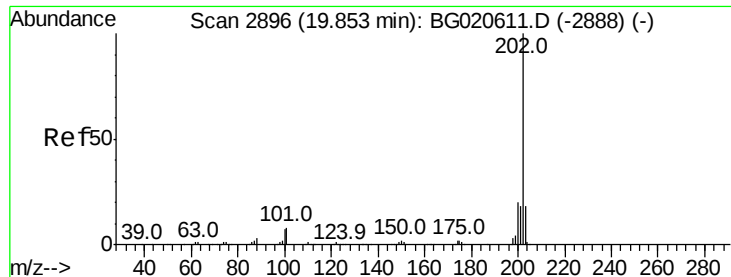
Lab File: BG020614.D

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Tgt Ion:	202	Resp:	174863
Ion Ratio	Lower	Upper	
202	100		
101	7.6	6.1	9.1
100	6.0	4.6	7.0

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





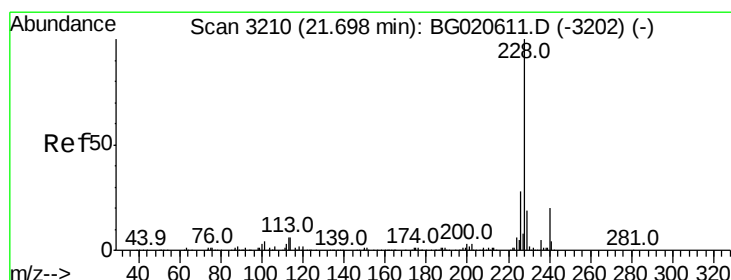
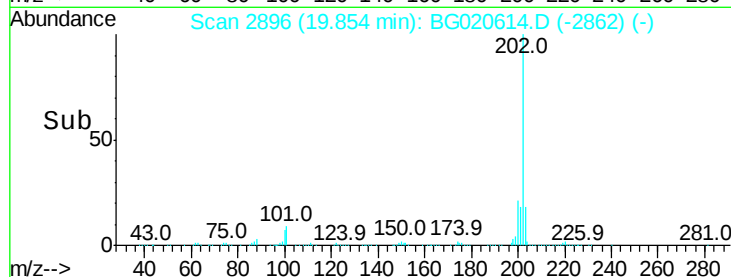
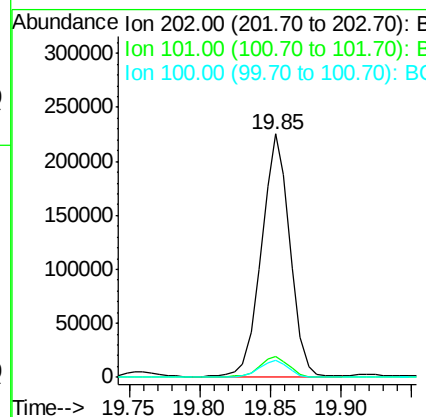
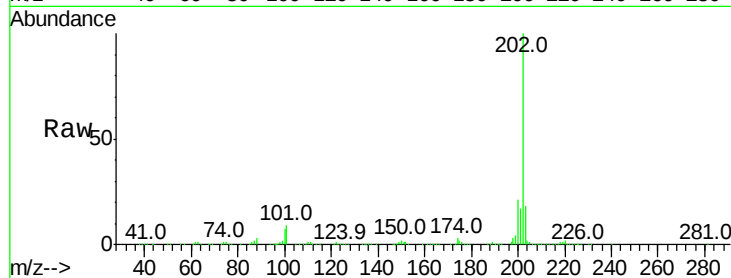
#80
Pvrene
Concen: 31.03 ng/ul
RT: 19.85 min Scan# 2896
Delta R.T. 0.00 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Instrument :
BNA_G
ClientSampleId :
G9D95DL

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	8.8	6.9	10.3	
100	7.2	5.6	8.4	

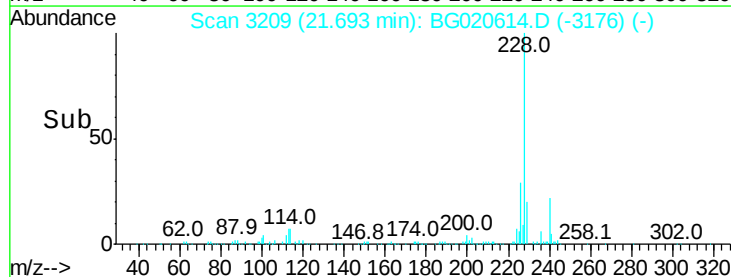
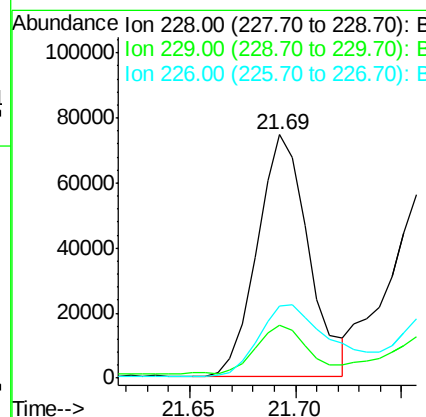
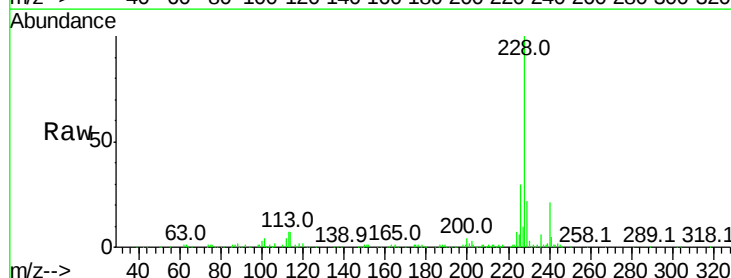
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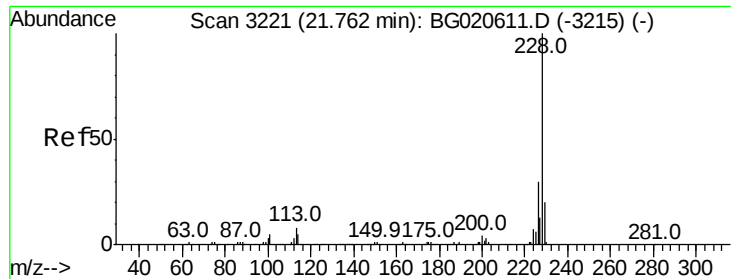
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#83
Benzo(a)anthracene
Concen: 12.27 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Tgt Ion	Ion	Ratio	Resp Lower	Upper
228	100			
229	21.6	16.0	24.0	
226	29.7	21.8	32.8	





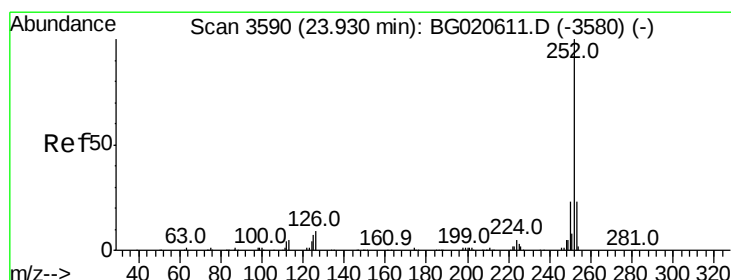
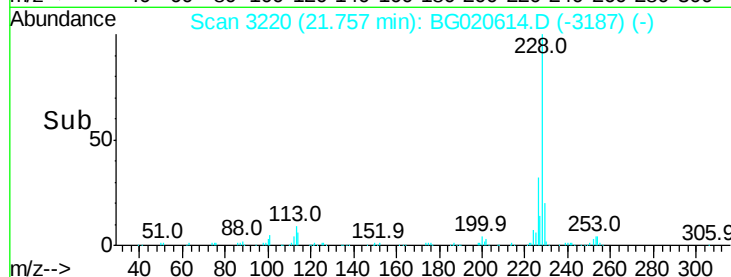
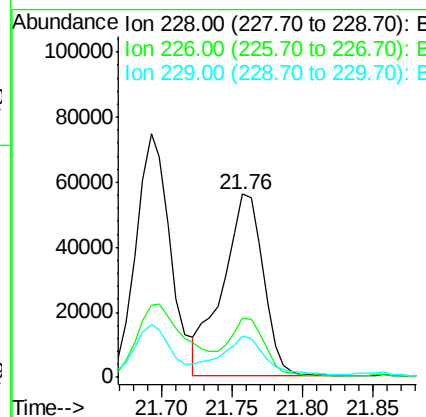
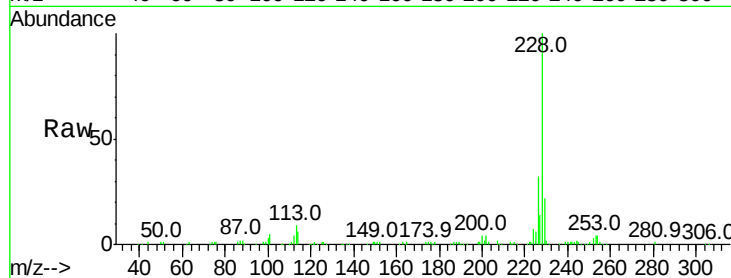
#85
 Chrysene
 Concen: 11.62 ng/ul
 RT: 21.76 min Scan# 3220
 Delta R.T. -0.01 min
 Lab File: BG020614.D
 Acq: 30 Dec 2015 18:32

Instrument :
 BNA_G
 ClientSampleID :
 G9D95DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.1	36.1
229	22.3	16.0	24.0

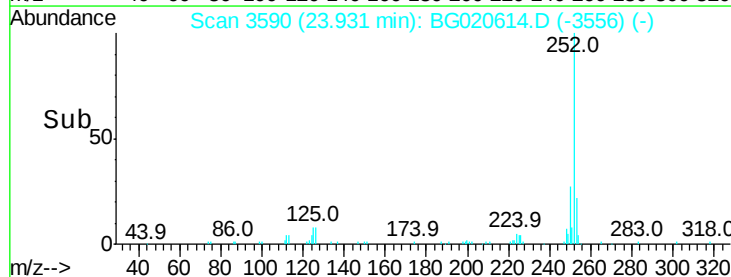
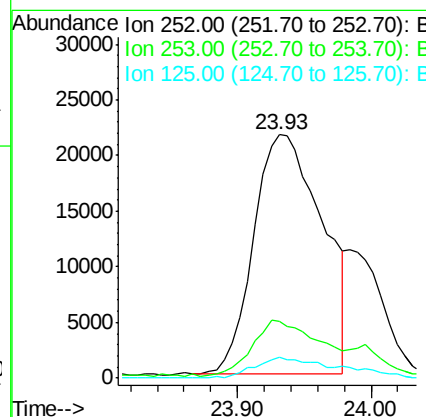
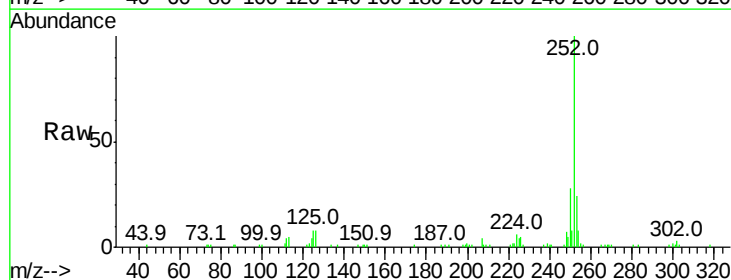
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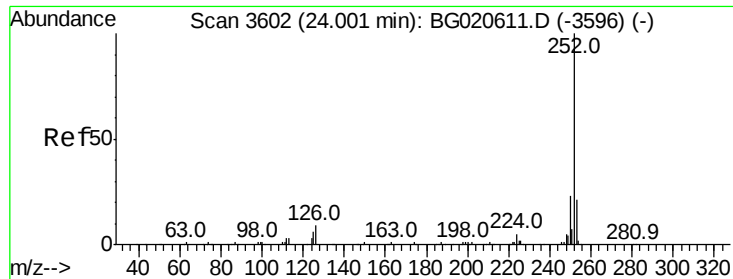
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#88
 Benzo(b)fluoranthene
 Concen: 7.50 ng/ul
 RT: 23.93 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: BG020614.D
 Acq: 30 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	8.4	4.9	7.3#





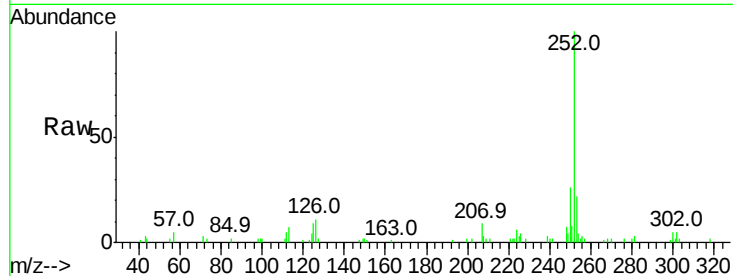
#89
Benzo(k)fluoranthene
Concen: 2.28 ng/ul m
RT: 23.98 min Scan# 3599
Delta R.T. -0.02 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Instrument :
BNA_G
ClientSampleId :
G9D95DL

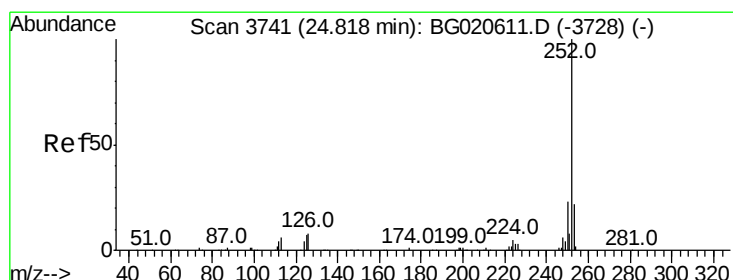
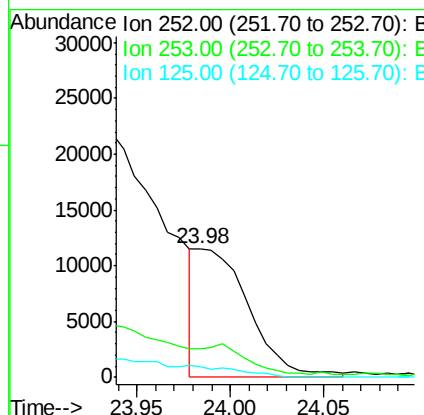
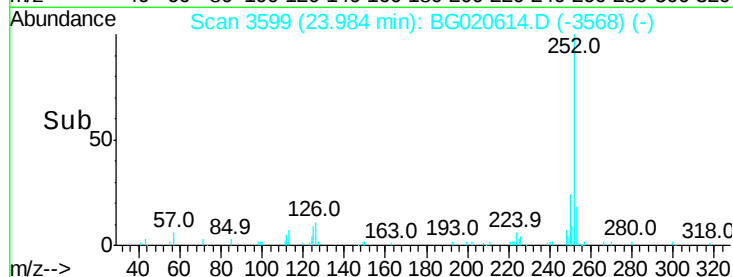
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	8.6	5.4	8.0#

Manual Integrations
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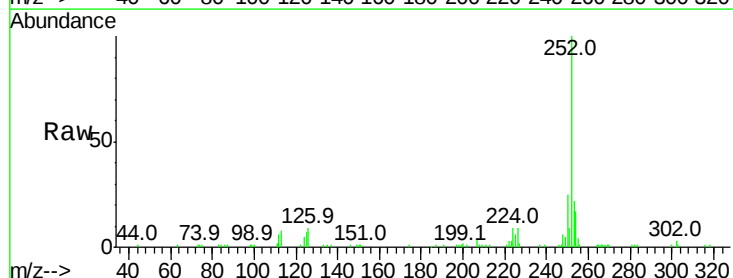


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

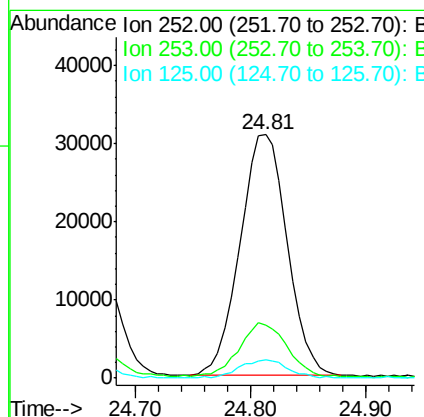
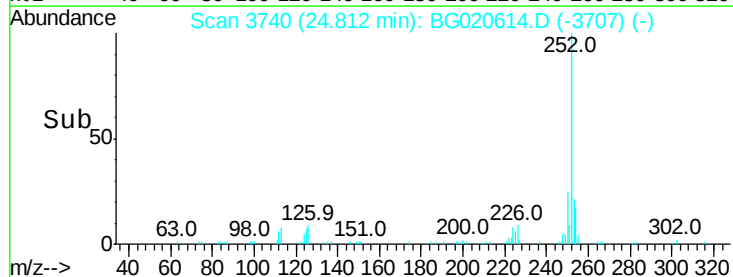


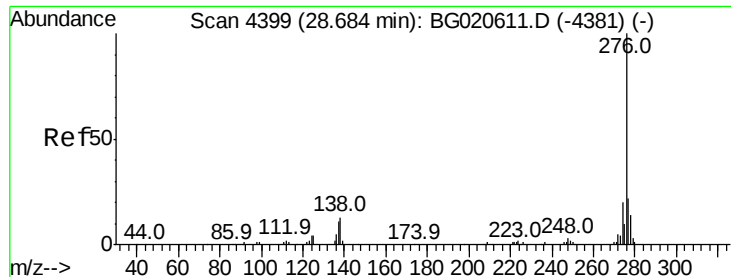
#91
Benzo(a)pyrene
Concen: 8.90 ng/ul
RT: 24.81 min Scan# 3740
Delta R.T. -0.01 min
Lab File: BG020614.D
Acq: 30 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	7.4	5.8	8.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng/ul

RT: 28.68 min Scan# 4398

Delta R.T. -0.01 min

Lab File: BG020614.D

Acq: 30 Dec 2015 18:32

Instrument :

BNA_G

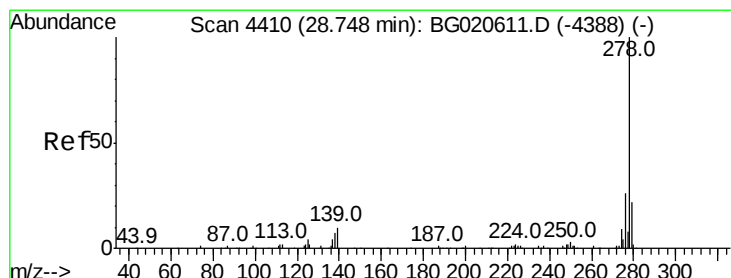
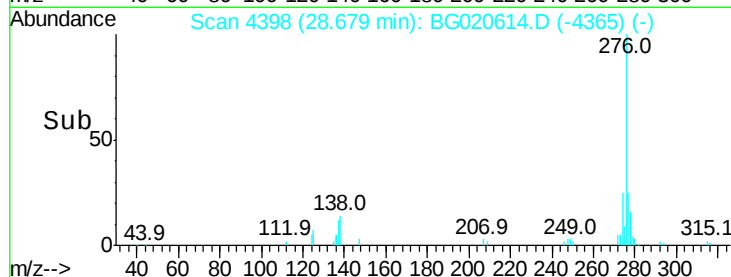
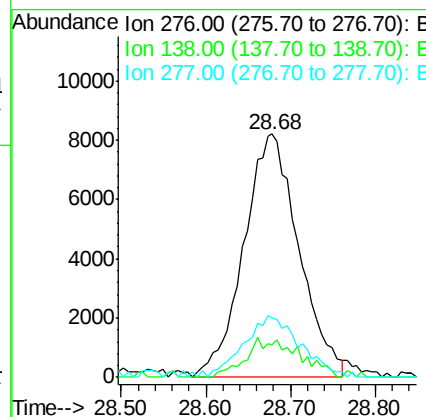
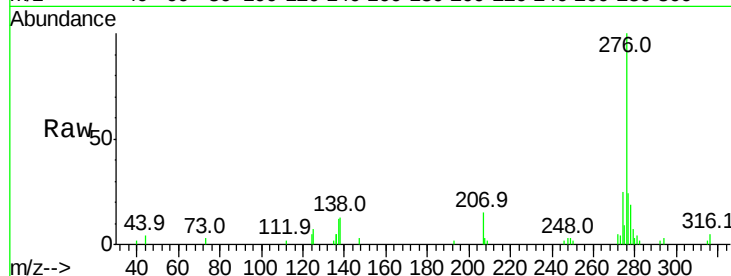
ClientSampleId :

G9D95DL

Tot Ion:	276	Resp:	37086
Ion Ratio	Lower	Upper	
276	100		
138	13.4	10.9	16.3
277	24.2	18.9	28.3

Manual Integrations
APPROVED

Sohil
12/31/2015 6:34:35 PM



#93

Dibenzo(a,h)anthracene

Concen: 1.45 ng/ul m

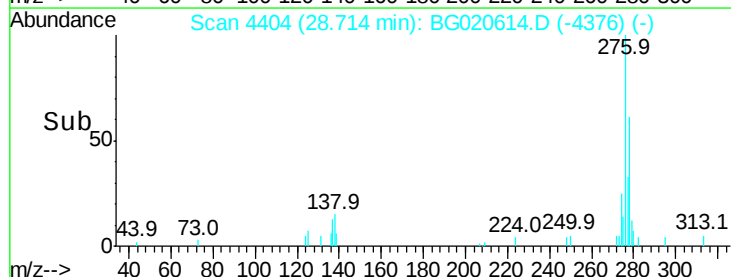
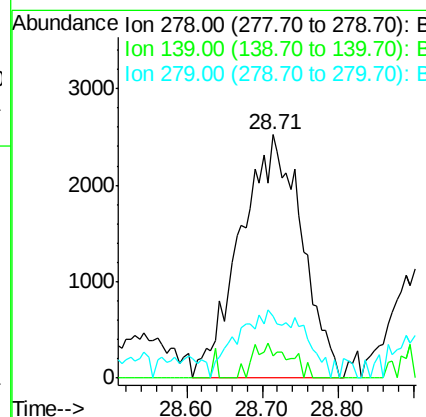
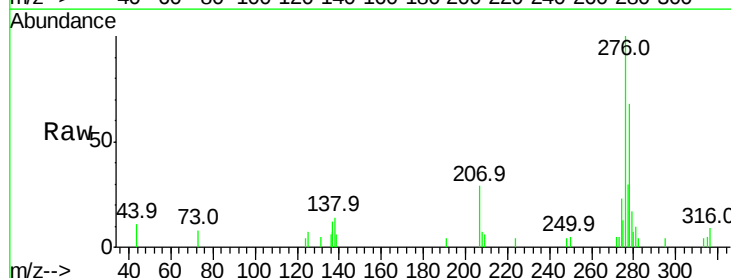
RT: 28.71 min Scan# 4404

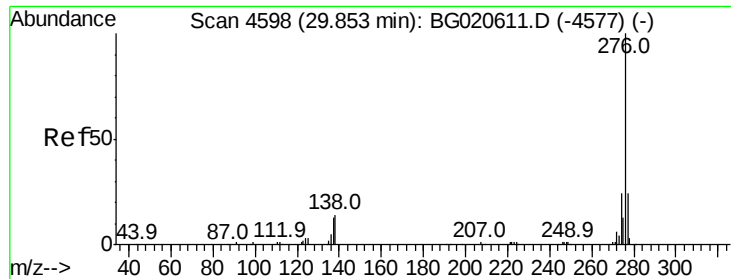
Delta R.T. -0.03 min

Lab File: BG020614.D

Acq: 30 Dec 2015 18:32

Tgt Ion:	278	Resp:	14194
Ion Ratio	Lower	Upper	
278	100		
139	8.9	9.0	13.4#
279	25.6	19.1	28.7





#94

Benzo(a,h,i)perylene

Concen: 4.29 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BG020614.D

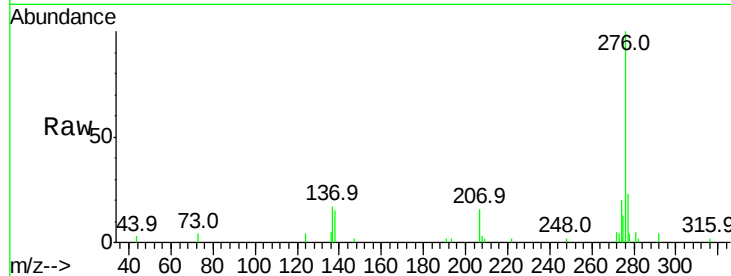
Acq: 30 Dec 2015 18:32

Instrument :

BNA_G

ClientSampleId :

G9D95DL



Tot Ion:	276	Resp:	41346
Ion Ratio	Lower	Upper	
276	100		
138	15.2	11.2	16.8
277	23.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/31/2015 6:34:35 PM

