

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM

Quant Time: Dec 31 01:22:00 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	18114	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	81768	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	61752	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	152807	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	176477	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	175769	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.22	99	3669	2.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	2361	2.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	3235	2.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	2920	2.22	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	1628	2.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	2000	2.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	4265	3.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1573m	0.95	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	15884	3.14	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	20322	3.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	748m	0.94	ng/ul	0.03
58) Fluorene-d10	15.68	176	16863	3.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1579	1.70	ng/ul	0.00
71) Anthracene-d10	17.54	188	26072	3.66	ng/ul	0.00
79) Pyrene-d10	19.83	212	30249	3.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	32258	3.68	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.92	128	9087	2.10	ng/ul#	96
34) 2-Methylnaphthalene	12.53	142	4795	1.48	ng/ul	92
45) Dimethylphthalate	14.14	163	6290	1.22	ng/ul#	99
48) Acenaphthylene	14.42	152	16650	2.72	ng/ul	96
59) Fluorene	15.74	166	8052	1.60	ng/ul#	89
70) Phenanthrene	17.48	178	189605	22.82	ng/ul	99
72) Anthracene	17.58	178	41041	4.83	ng/ul	98
77) Fluoranthene	19.49	202	448305	44.17	ng/ul	100
80) Pvrene	19.86	202	534509	52.29	ng/ul	99
83) Benzo(a)anthracene	21.69	228	305745	29.61	ng/ul	97
85) Chrysene	21.76	228	285531	29.38	ng/ul	98
88) Benzo(b)fluoranthene	23.94	252	363426	34.82	ng/ul	98
89) Benzo(k)fluoranthene	24.00	252	104278m	10.43	ng/ul	
91) Benzo(a)pyrene	24.82	252	286760	28.59	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.69	276	181193	15.15	ng/ul	97
93) Dibenzo(a,h)anthracene	28.72	278	50417m	5.05	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	180535	18.37	ng/ul	98

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

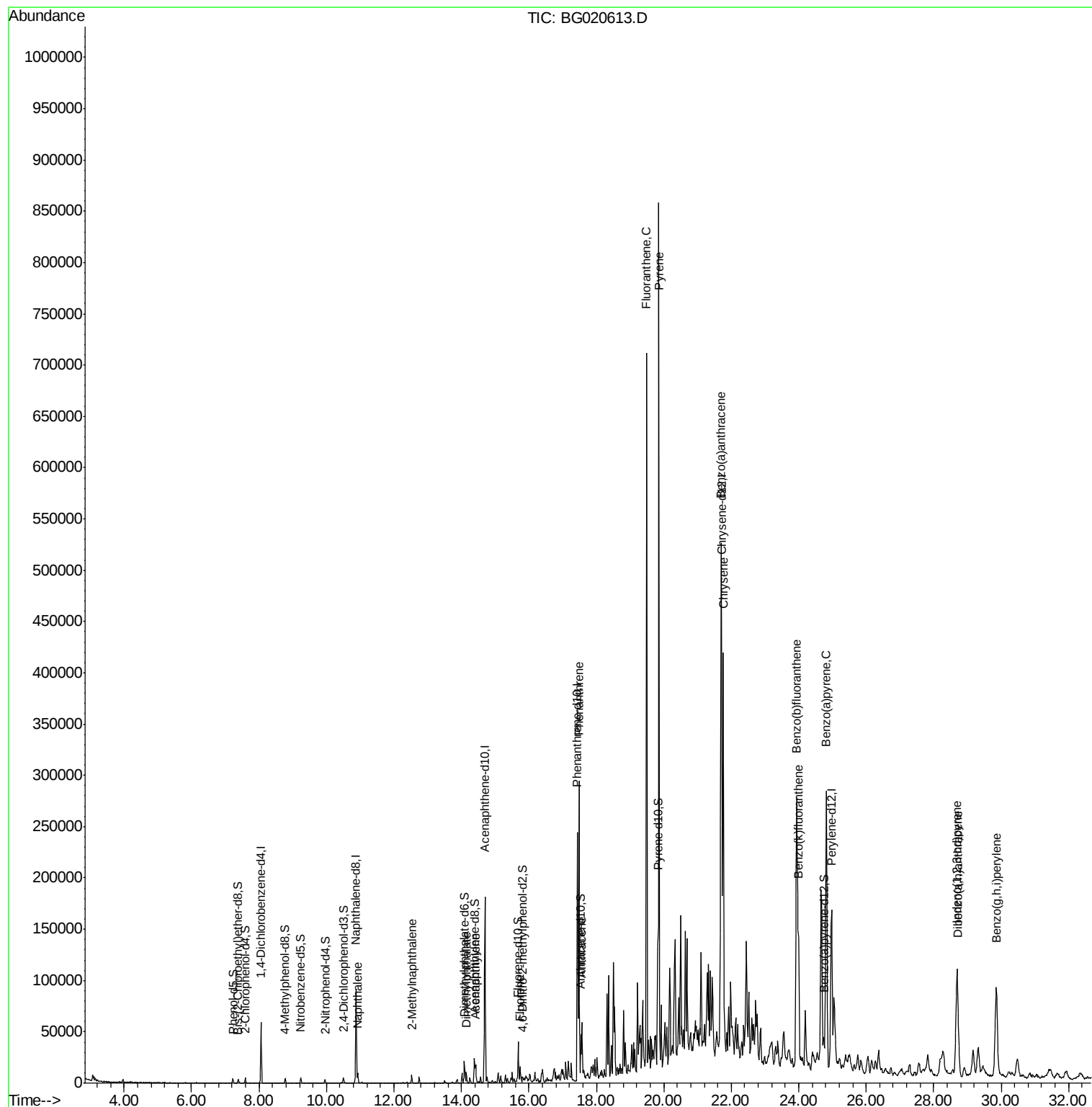
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

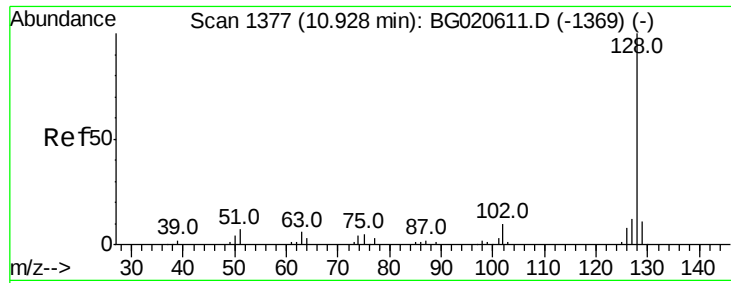
Instrument :
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ClientSampleId :
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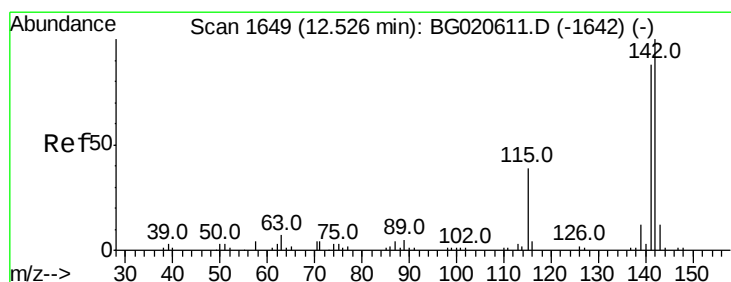
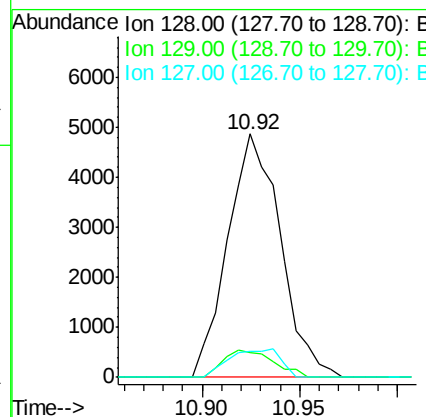
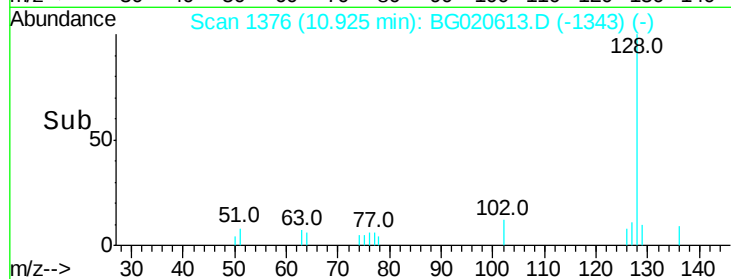
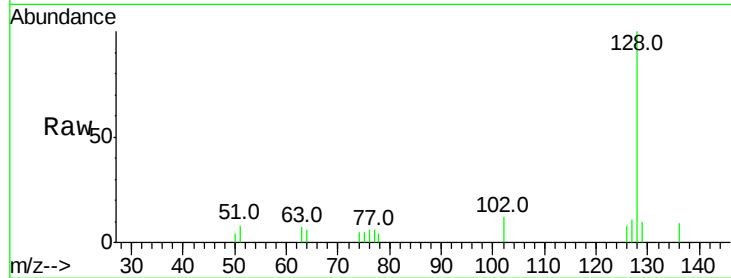
#28
Naphthalene
Concen: 2.10 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020613.D
Acq: 30 Dec 2015 17:53

Instrument :
BNA_G
ClientSampleId :
G9D94DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.3	12.5
127	10.7	10.8	16.2#

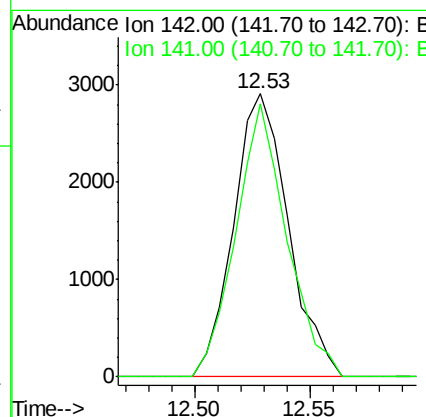
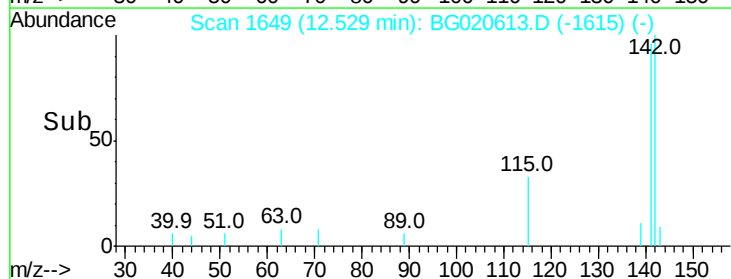
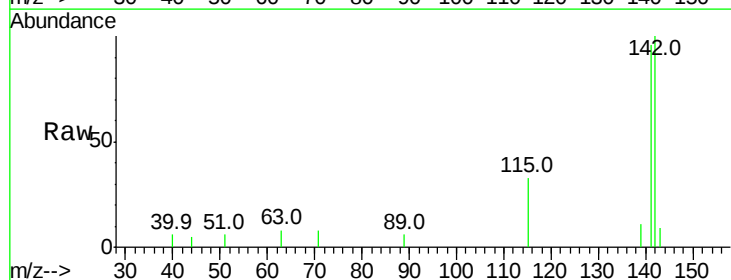
Manual Integrations
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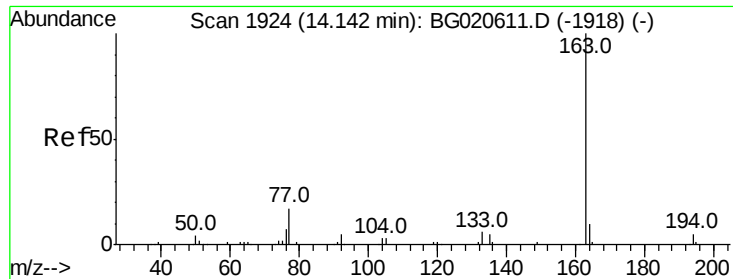
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#34
2-Methylnaphthalene
Concen: 1.48 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020613.D
Acq: 30 Dec 2015 17:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.5	71.4	107.2





#45

Dimethylphthalate

Concen: 1.22 ng/ul

RT: 14.14 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Instrument :

BNA_G

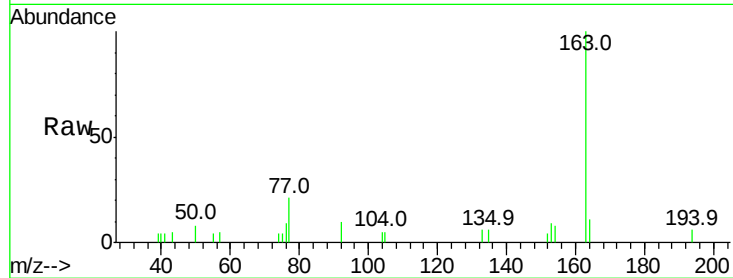
ClientSampleId :

G9D94DL

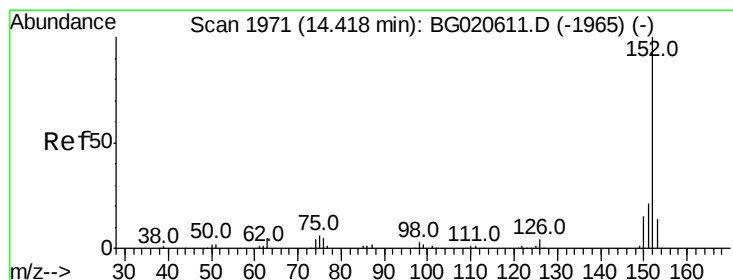
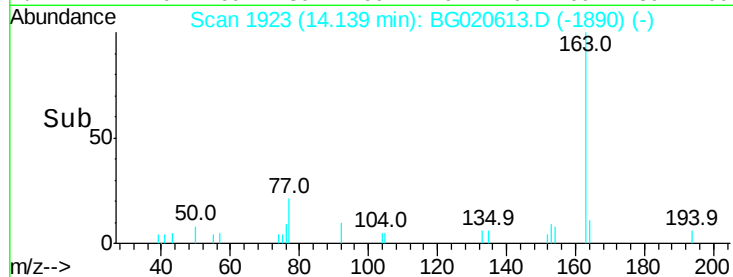
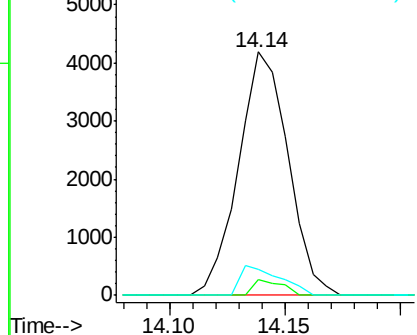
Tot Ion:	163	Resp:	6290
Ion Ratio	Lower	Upper	
163	100		
194	6.2	4.0	6.0#
164	10.6	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 2.72 ng/ul

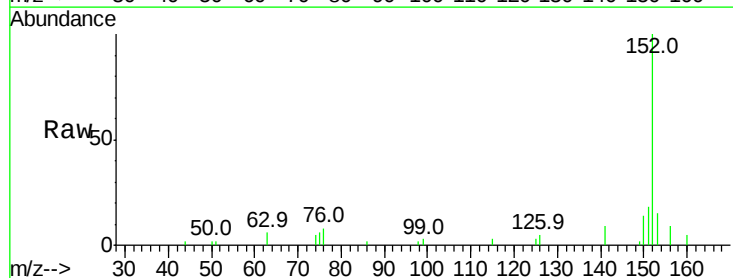
RT: 14.42 min Scan# 1971

Delta R.T. 0.00 min

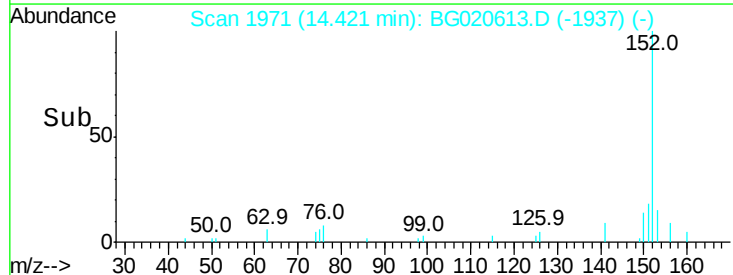
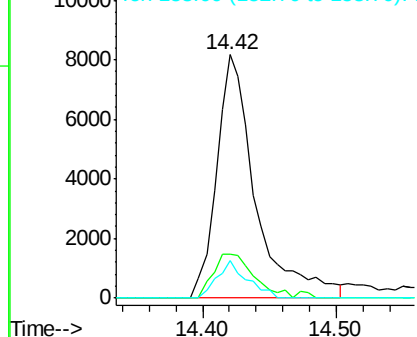
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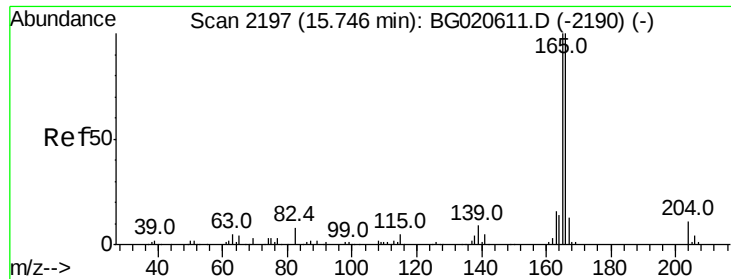
Acq: 30 Dec 2015 17:53

Tgt Ion:	152	Resp:	16650
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.1	24.1
153	15.2	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#59

Fluorene

Concen: 1.60 ng/ul

RT: 15.74 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Instrument :

BNA_G

ClientSampleId :

G9D94DL

Tot Ion:166 Resp: 8052

Ion Ratio Lower Upper

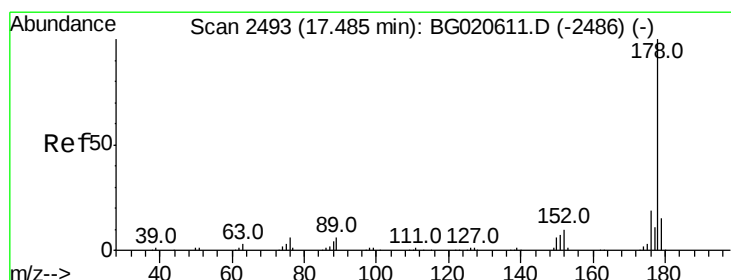
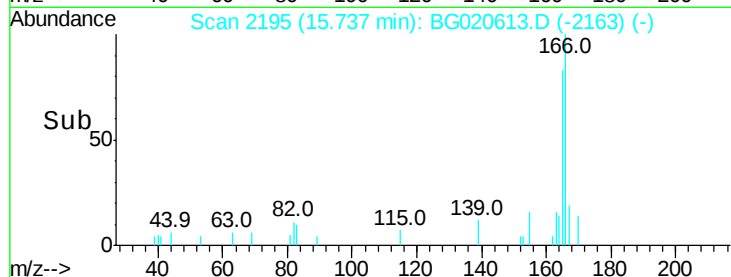
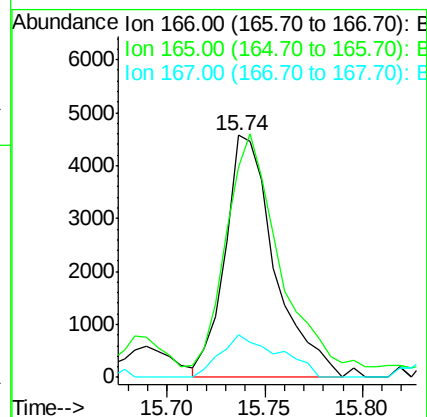
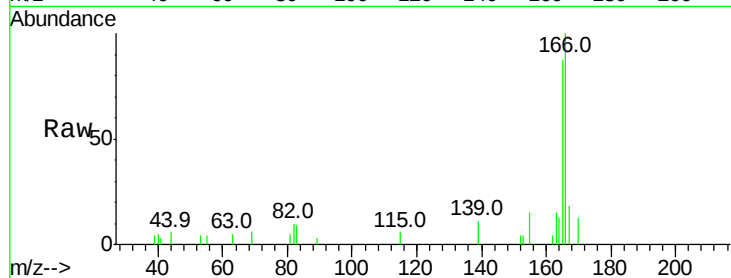
166 100

165 86.9 78.4 117.6

167 17.6 11.1 16.7#

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#70

Phenanthrene

Concen: 22.82 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. -0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

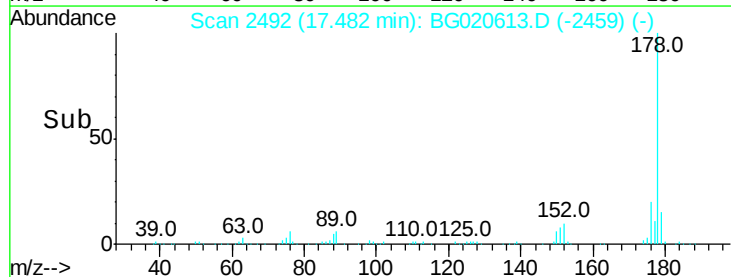
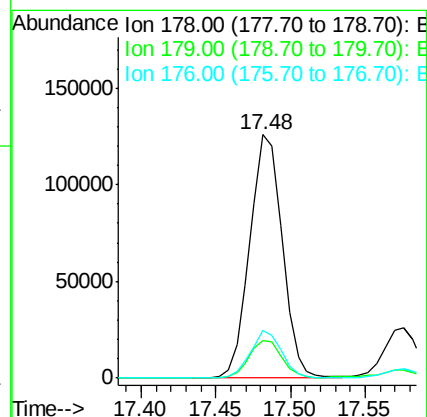
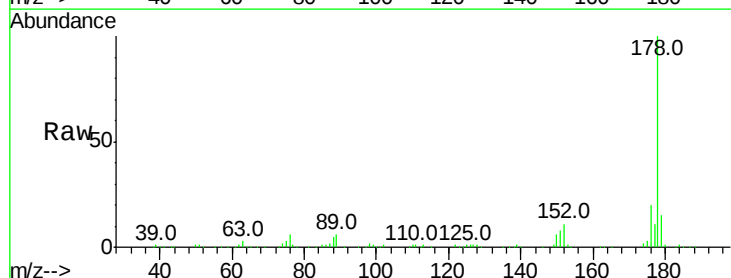
Tgt Ion:178 Resp: 189605

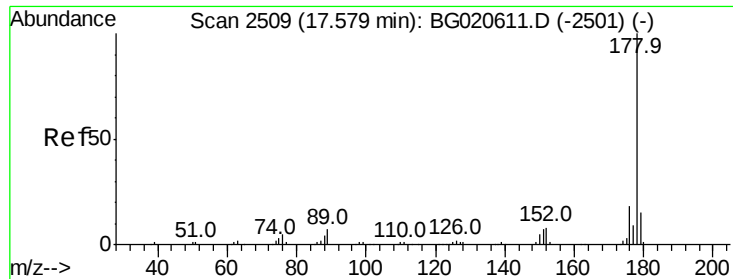
Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 19.7 15.4 23.0





#72

Anthracene

Concen: 4.83 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Instrument :

BNA_G

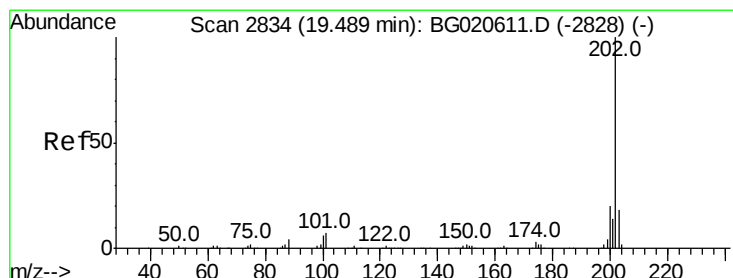
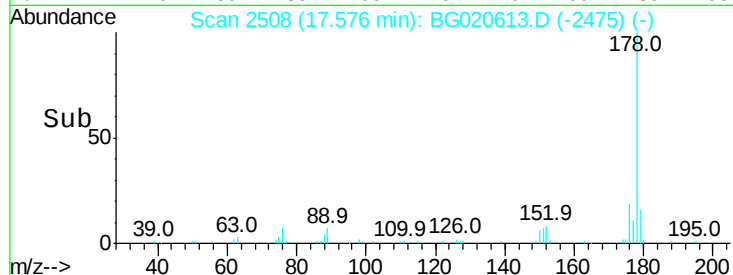
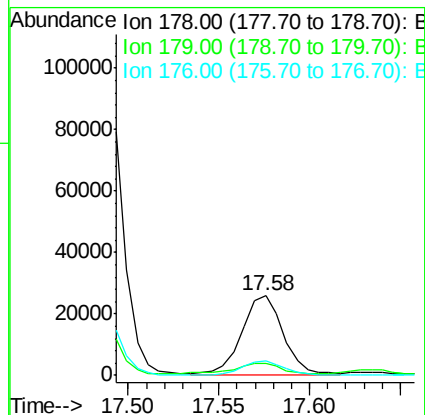
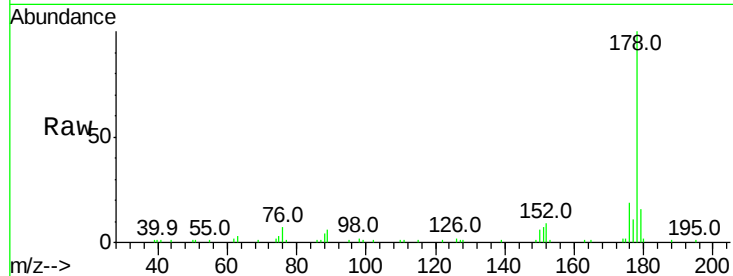
ClientSampleId :

G9D94DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.7	15.4	23.0

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#77

Fluoranthene

Concen: 44.17 ng/ul

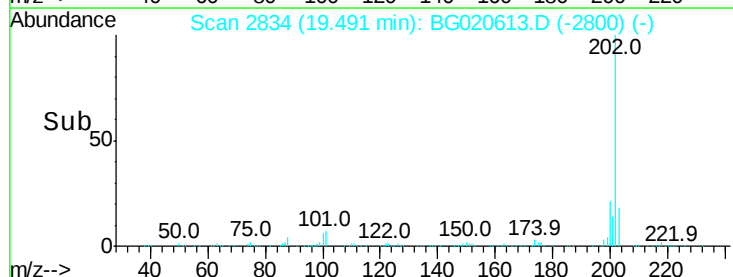
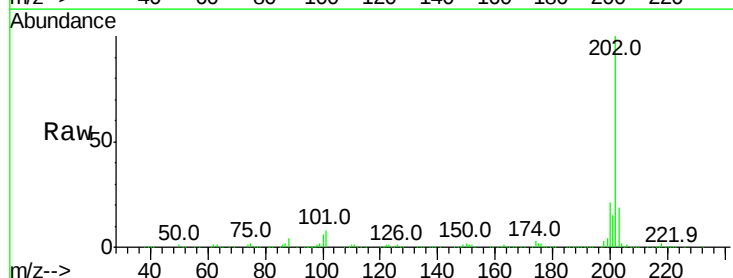
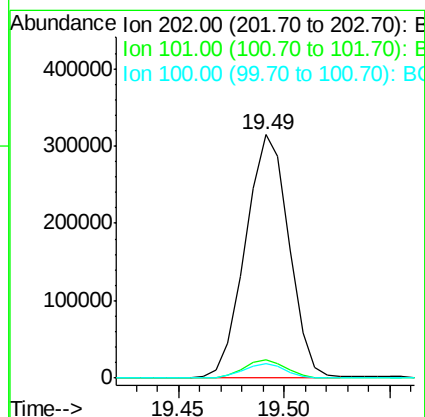
RT: 19.49 min Scan# 2834

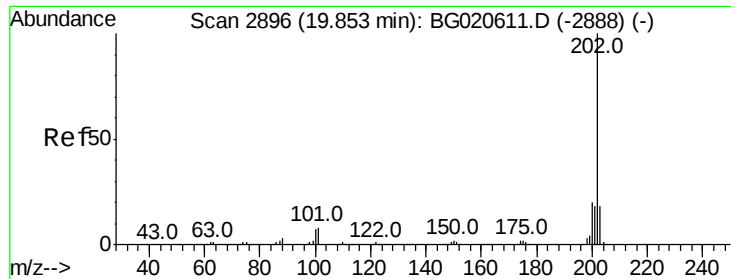
Delta R.T. 0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.1	9.1
100	6.0	4.6	7.0





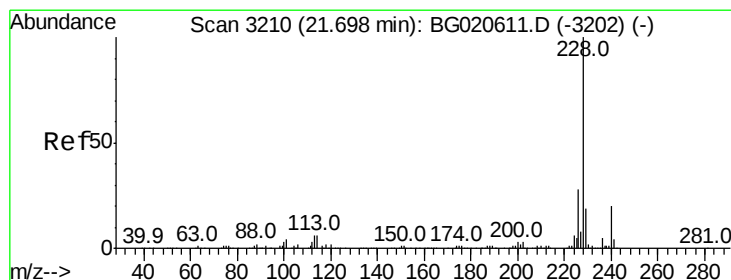
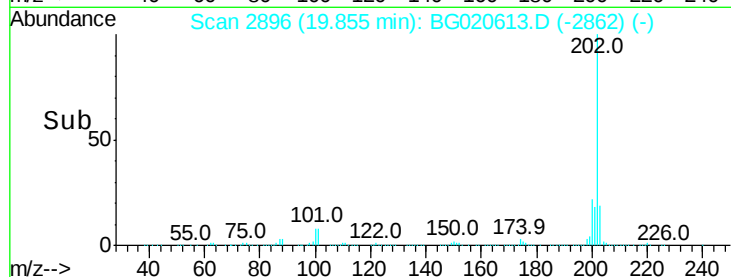
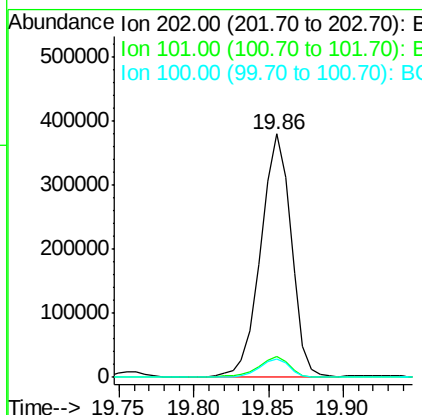
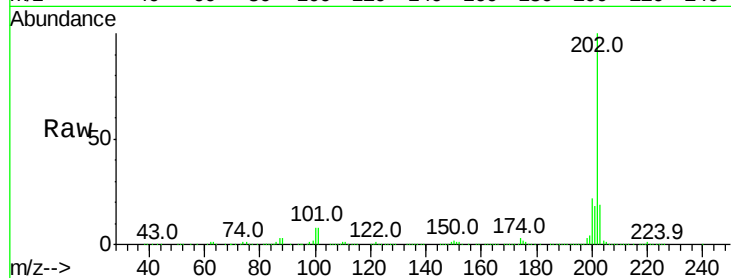
#80
Pvrene
Concen: 52.29 ng/ul
RT: 19.86 min Scan# 2896
Delta R.T. 0.00 min
Lab File: BG020613.D
Acq: 30 Dec 2015 17:53

Instrument :
BNA_G
ClientSampleID :
G9D94DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	6.9	10.3
100	7.6	5.6	8.4

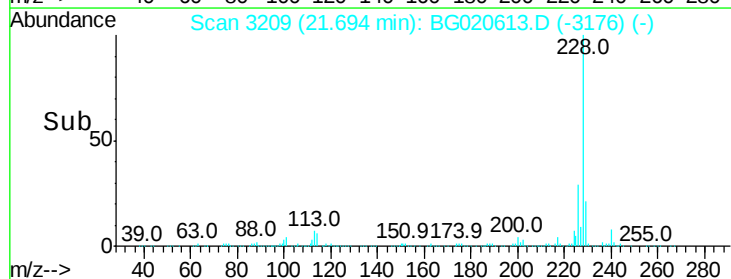
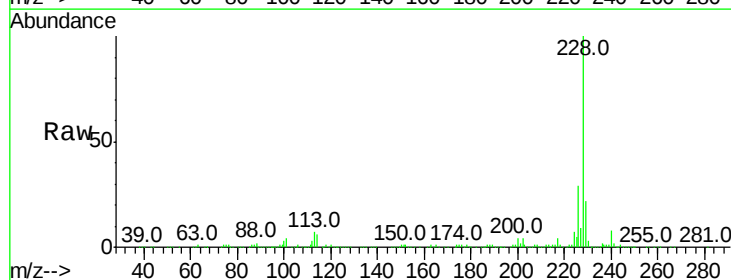
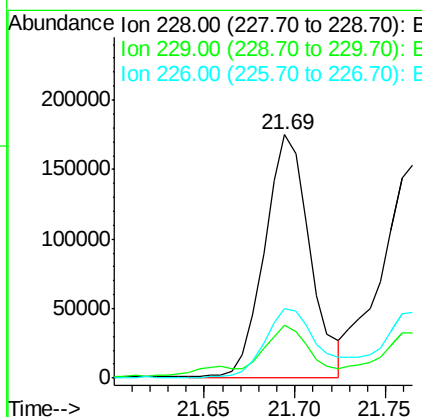
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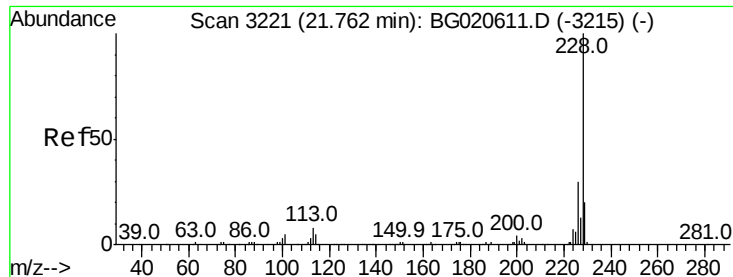
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#83
Benzo(a)anthracene
Concen: 29.61 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BG020613.D
Acq: 30 Dec 2015 17:53

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.9	16.0	24.0
226	28.7	21.8	32.8





#85

Chrysene

Concen: 29.38 ng/ul

RT: 21.76 min Scan# 3221

Delta R.T. 0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Instrument :

BNA_G

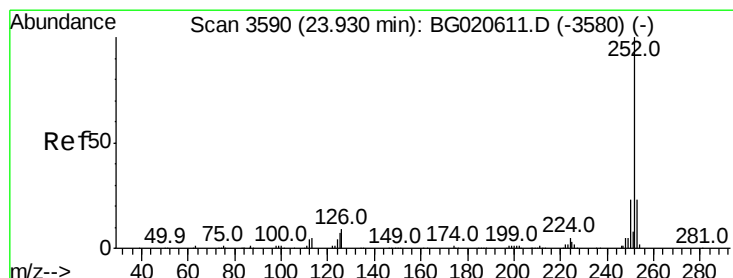
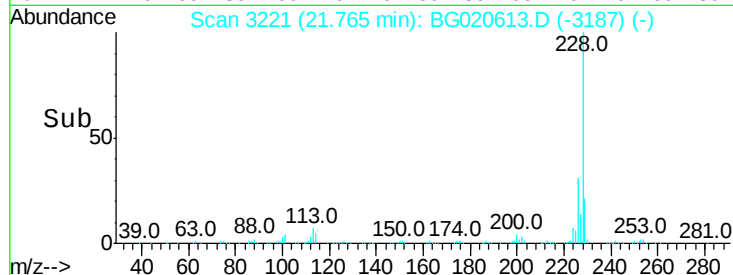
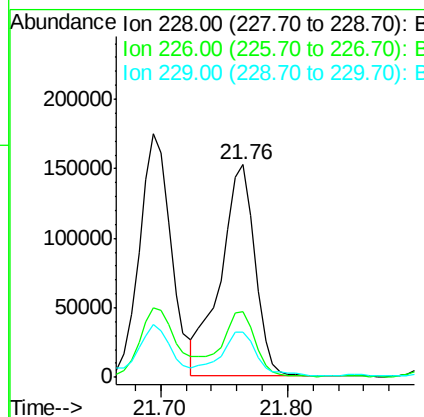
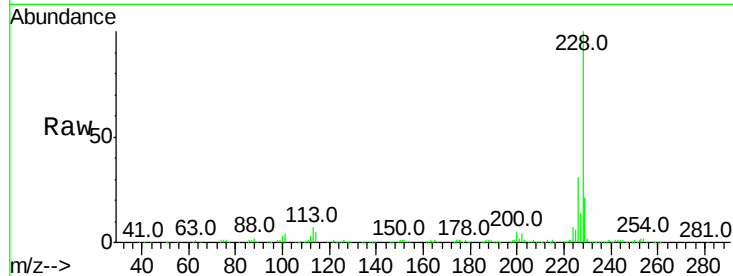
ClientSampleId :

G9D94DL

Tot Ion:	228	Resp:	285531
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.1	36.1
229	21.4	16.0	24.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 34.82 ng/ul

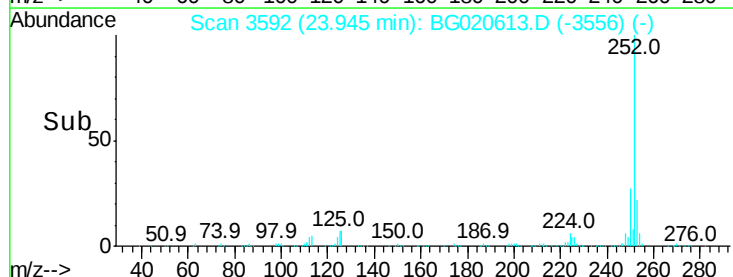
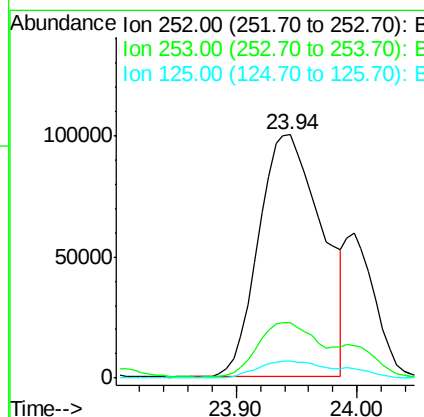
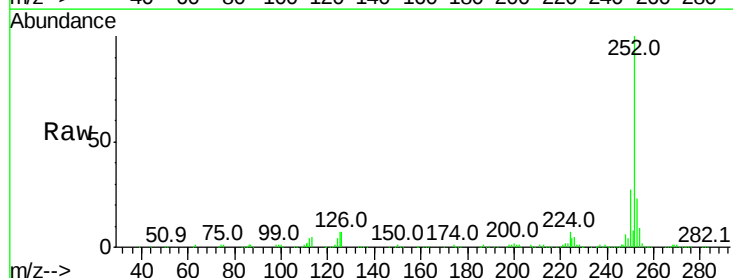
RT: 23.94 min Scan# 3592

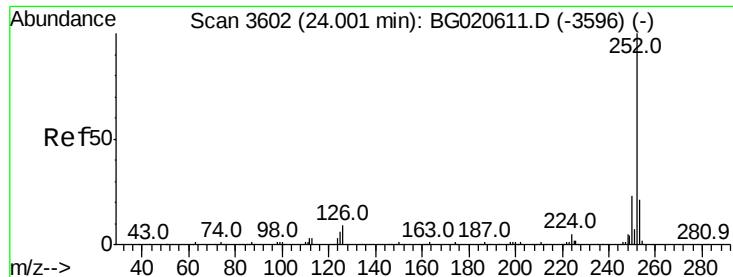
Delta R.T. 0.01 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Tgt Ion:	252	Resp:	363426
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	7.1	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 10.43 ng/ul m

RT: 24.00 min Scan# 3601

Delta R.T. -0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Instrument :

BNA_G

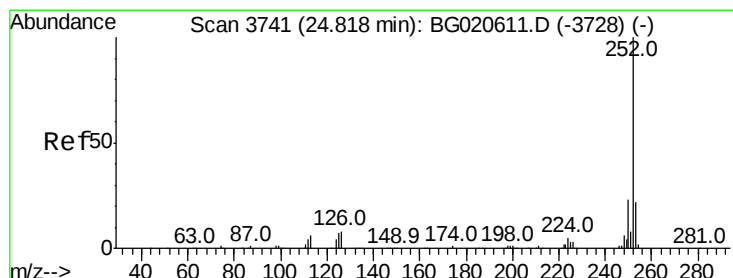
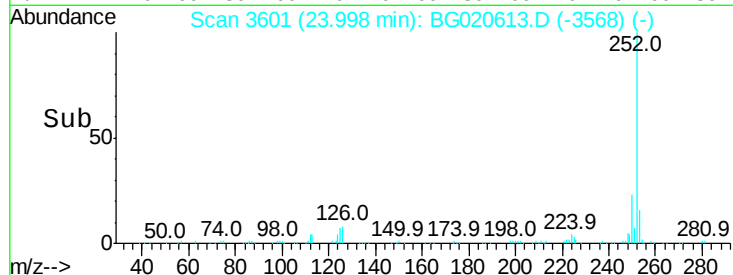
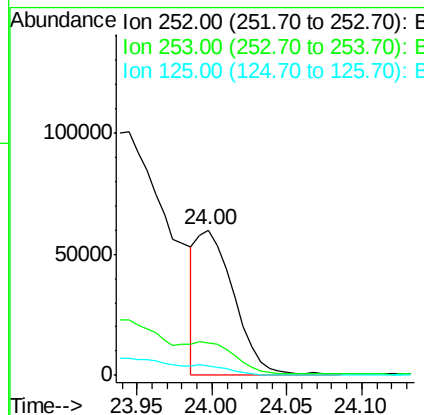
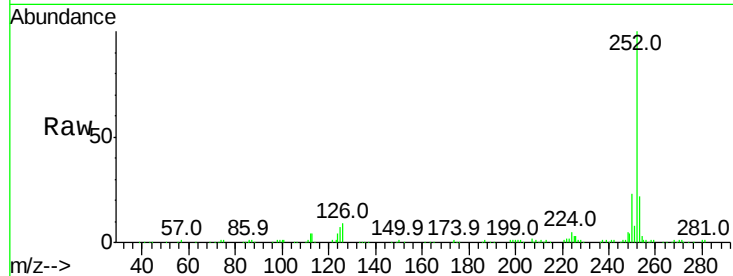
ClientSampled :

G9D94DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	104278		
253	22.3		17.1	25.7
125	6.9		5.4	8.0

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 28.59 ng/ul

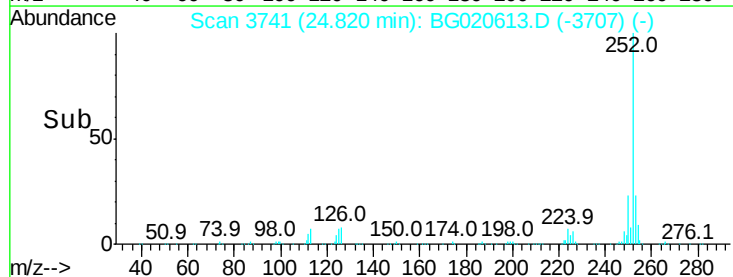
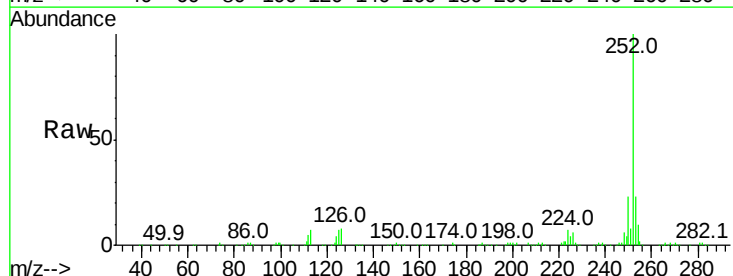
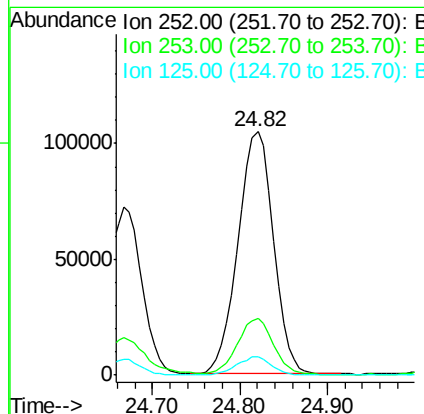
RT: 24.82 min Scan# 3741

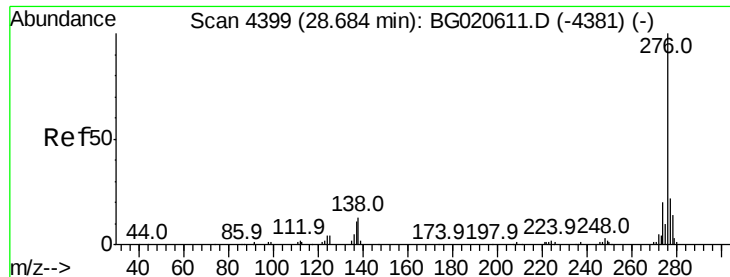
Delta R.T. 0.00 min

Lab File: BG020613.D

Acq: 30 Dec 2015 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	286760		
253	23.1		17.2	25.8
125	7.4		5.8	8.6





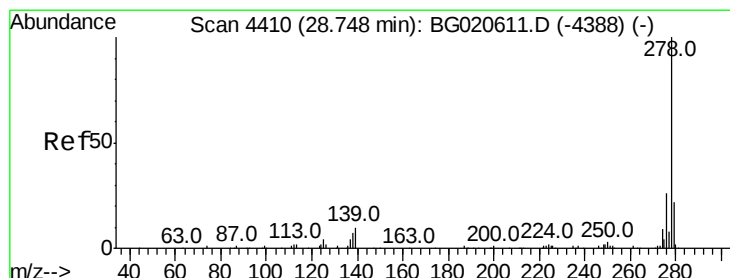
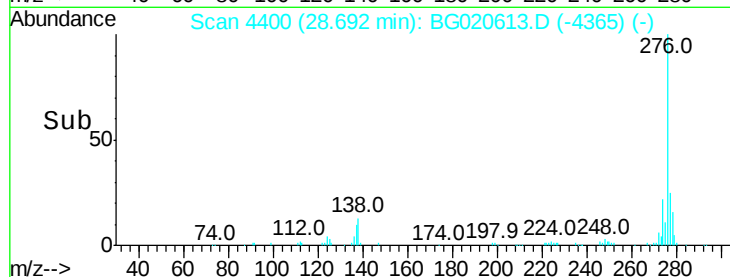
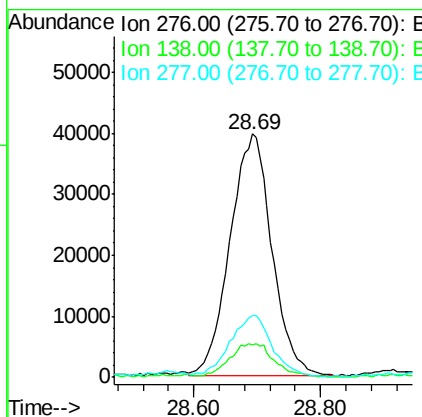
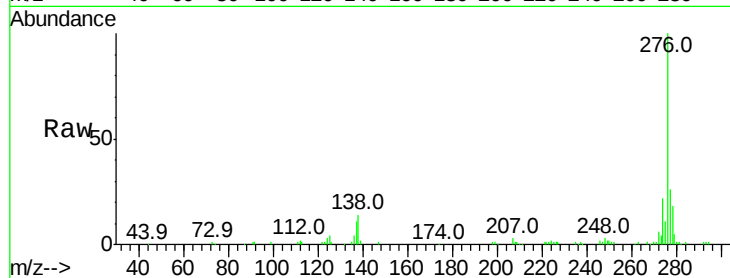
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 15.15 ng/ul
 RT: 28.69 min Scan# 4400
 Delta R.T. 0.01 min
 Lab File: BG020613.D
 Acq: 30 Dec 2015 17:53

Instrument :
 BNA_G
 ClientSampleId :
 G9D94DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	13.6	10.9	16.3
277	25.6	18.9	28.3

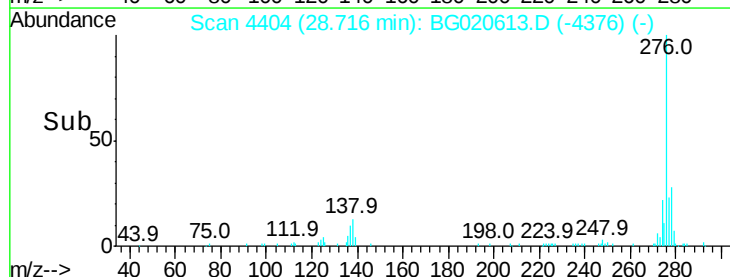
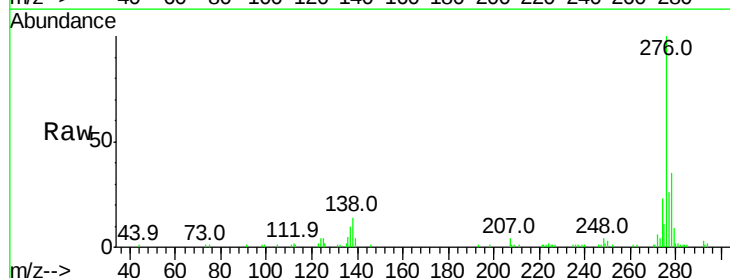
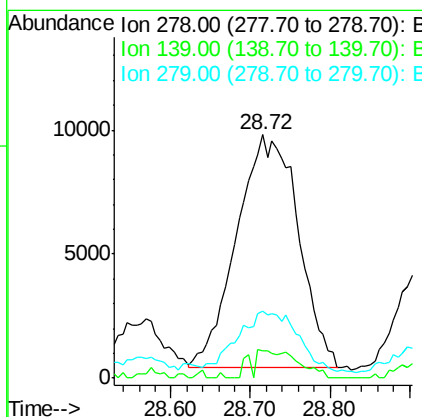
Manual Integrations
 APPROVED

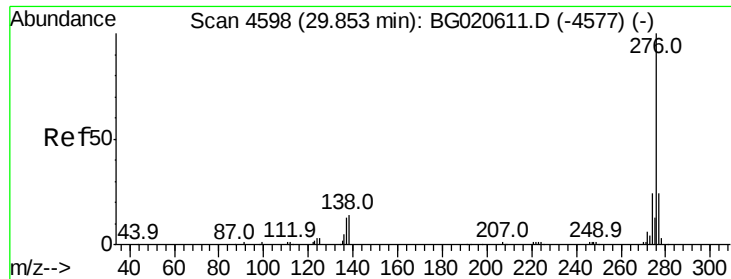
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#93
 Dibenzo(a,h)anthracene
 Concen: 5.05 ng/ul m
 RT: 28.72 min Scan# 4404
 Delta R.T. -0.03 min
 Lab File: BG020613.D
 Acq: 30 Dec 2015 17:53

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	11.0	9.0	13.4
279	27.3	19.1	28.7





#94
 Benzo(a,h,i)perylene
 Concen: 18.37 ng/ul
 RT: 29.86 min Scan# 4598
 Delta R.T. 0.00 min
 Lab File: BG020613.D
 Acq: 30 Dec 2015 17:53

Instrument :
 BNA_G
 ClientSampleId :
 G9D94DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	15.6	11.2	16.8
277	23.5	19.0	28.6

Manual Integrations
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