

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
 Data File : BG020720.D
 Acq On : 14 Jan 2016 4:10
 Operator : SJ/IZ
 Sample : H1096-04 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC934

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 5:57:48 PM

Quant Time: Jan 14 10:57:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 07:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	16881	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	73547	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	53261	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	132463	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	157253	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	149721	20.00	ng/ul	0.00

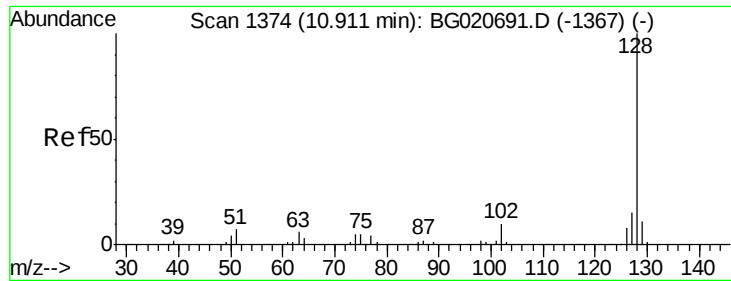
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.21	99	2511	1.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	1483	1.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	2368	2.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	2075	1.70	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	1077	1.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	1115	1.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	2284	1.78	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	71	0.06	ng/ul	0.01
44) Dimethylphthalate-d6	14.08	166	10100	2.17	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	11804	2.26	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	10050	2.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	574	0.80	ng/ul	0.00
71) Anthracene-d10	17.53	188	16094	2.48	ng/ul	0.00
79) Pyrene-d10	19.81	212	18743	2.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	19493	2.44	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.91	128	4337	1.04	ng/ul#	96
50) Acenaphthene	14.74	153	10035	2.64	ng/ul	92
59) Fluorene	15.73	166	13224	2.83	ng/ul	96
70) Phenanthrene	17.47	178	271556	34.46	ng/ul	99
72) Anthracene	17.56	178	50105	6.30	ng/ul	96
75) Carbazole	17.83	167	25074	3.85	ng/ul#	95
77) Fluoranthene	19.48	202	526835	54.99	ng/ul	100
80) Pyrene	19.85	202	514900	51.64	ng/ul	100
83) Benzo(a)anthracene	21.69	228	288484	29.41	ng/ul	98
85) Chrysene	21.75	228	306363	33.03	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	331934	34.41	ng/ul#	99
89) Benzo(k)fluoranthene	23.98	252	130836m	13.74	ng/ul	
91) Benzo(a)pyrene	24.81	252	262022	28.23	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.68	276	167638	15.31	ng/ul	99
93) Dibenzo(a,h)anthracene	28.72	278	51977m	5.76	ng/ul	
94) Benzo(g,h,i)perylene	29.85	276	156963	17.37	ng/ul	97

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



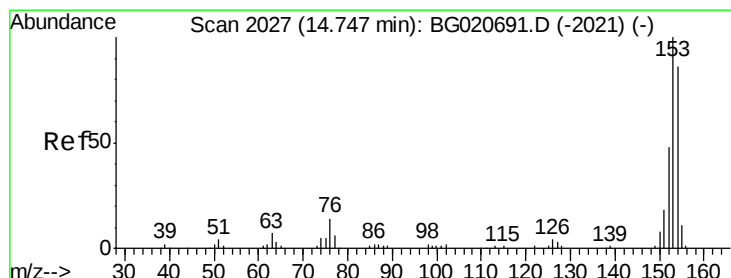
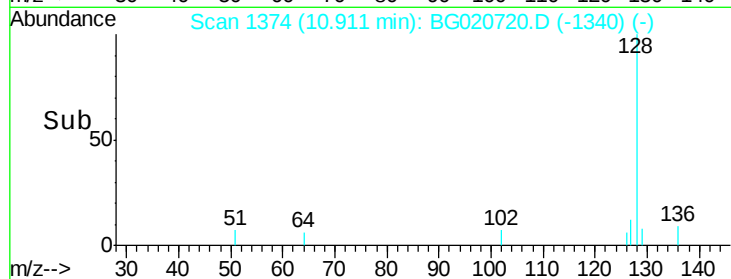
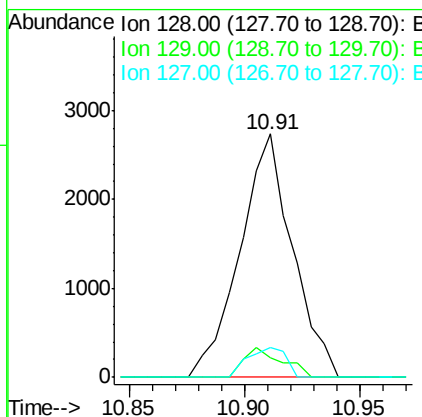
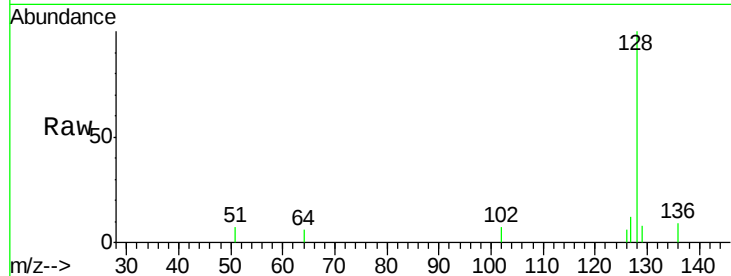
#28
Naphthalene
Concen: 1.04 ng/ul
RT: 10.91 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Instrument :
BNA_G
ClientSampleId :
BC934

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.3	12.5#
127	12.3	10.8	16.2

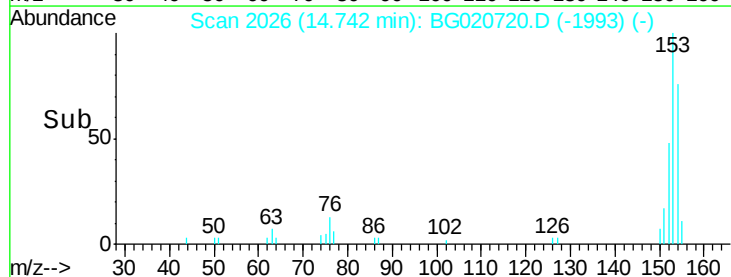
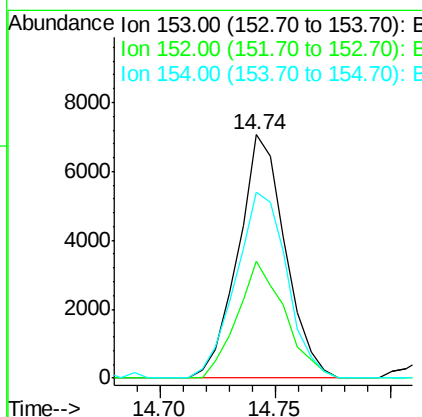
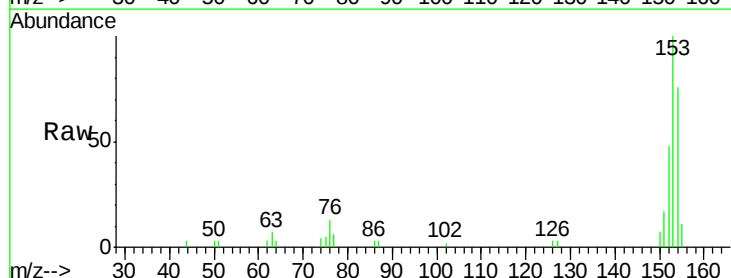
Manual Integrations
APPROVED

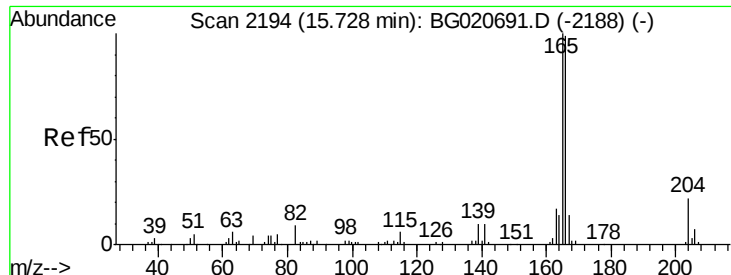
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#50
Acenaphthene
Concen: 2.64 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.9	56.9
154	76.2	69.8	104.6





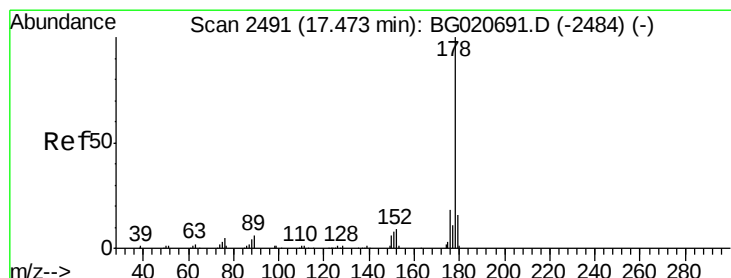
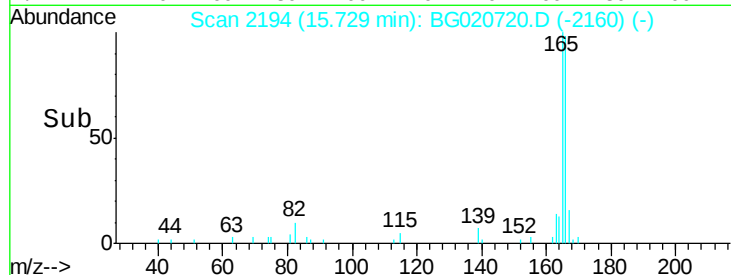
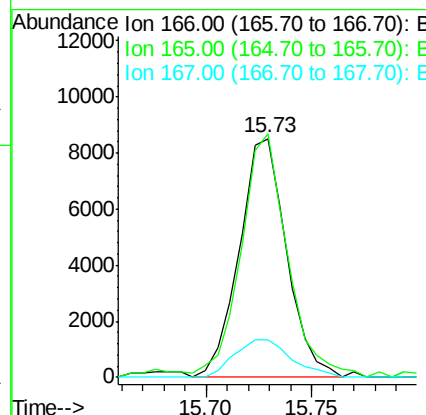
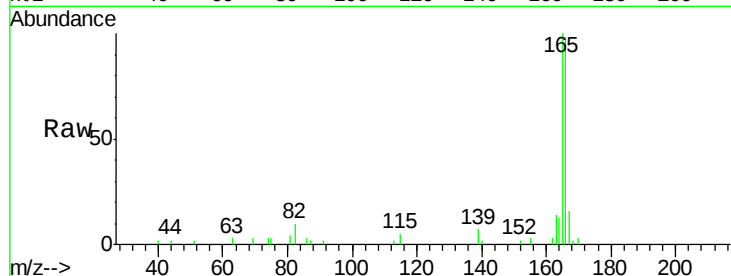
#59
Fluorene
 Concen: 2.83 ng/ul
 RT: 15.73 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BG020720.D
 Acq: 14 Jan 2016 4:10

Instrument :
 BNA_G
 ClientSampleId :
 BC934

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	13224		
165	101.9	78.4	117.6	
167	15.8	11.1	16.7	

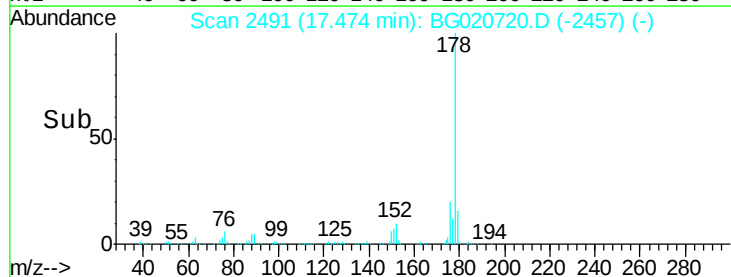
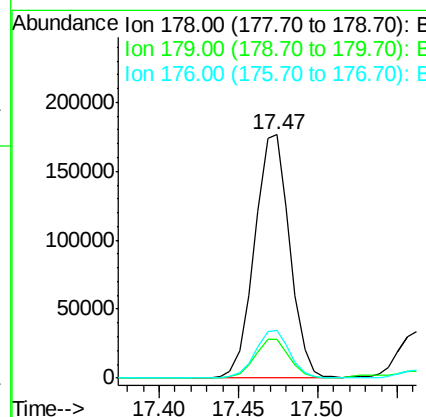
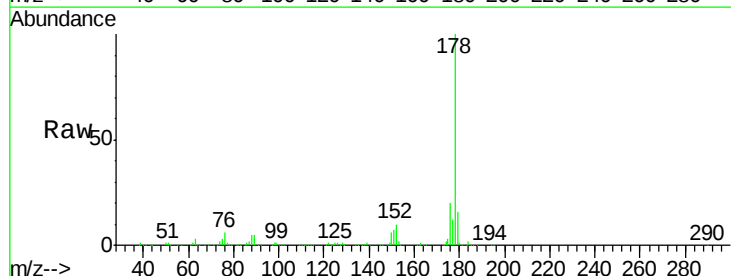
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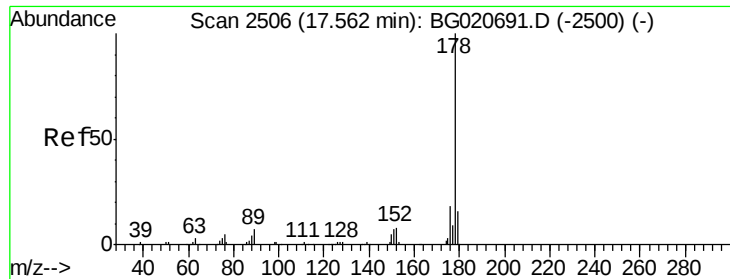
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#70
Phenanthrene
 Concen: 34.46 ng/ul
 RT: 17.47 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG020720.D
 Acq: 14 Jan 2016 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	271556		
179	15.9	12.3	18.5	
176	19.8	15.4	23.0	





#72

Anthracene

Concen: 6.30 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Instrument :

BNA_G

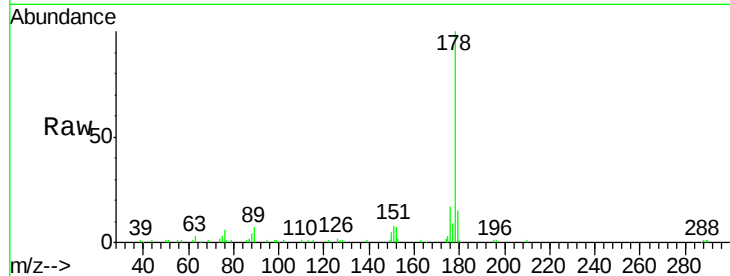
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BC934

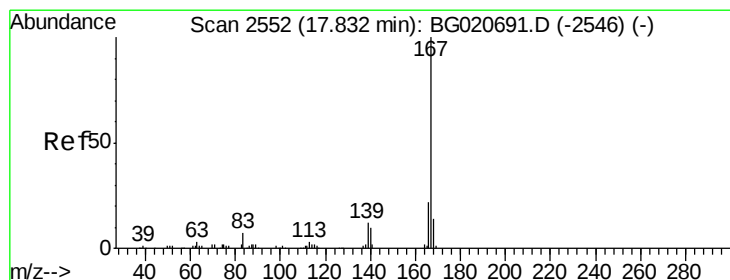
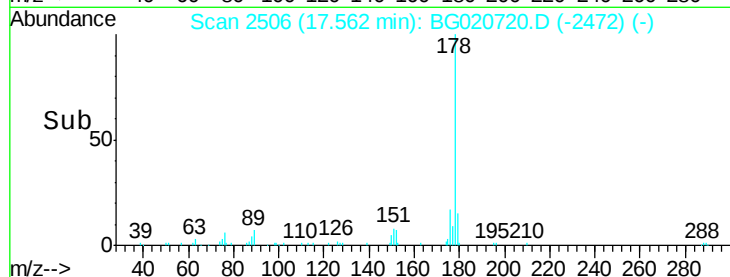
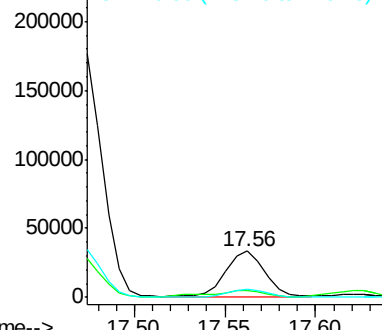
Tgt Ion:	178	Resp:	50105
Ion Ratio	Lower	Upper	
178	100		
179	15.1	13.4	20.2
176	17.2	15.4	23.0

Manual Integrations
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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



#75

Carbazole

Concen: 3.85 ng/ul

RT: 17.83 min Scan# 2552

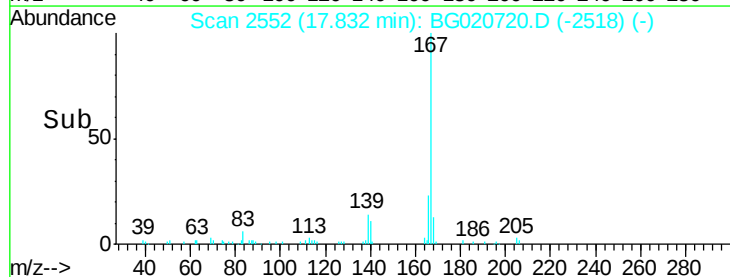
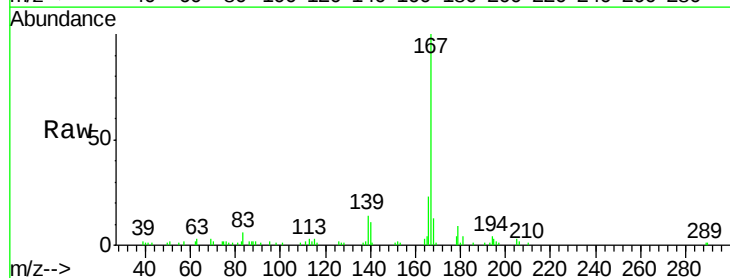
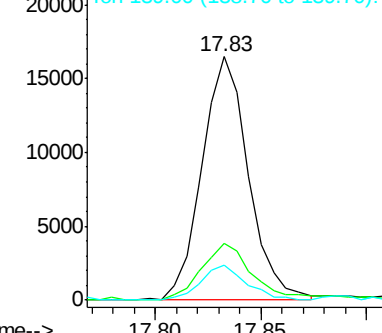
Delta R.T. 0.00 min

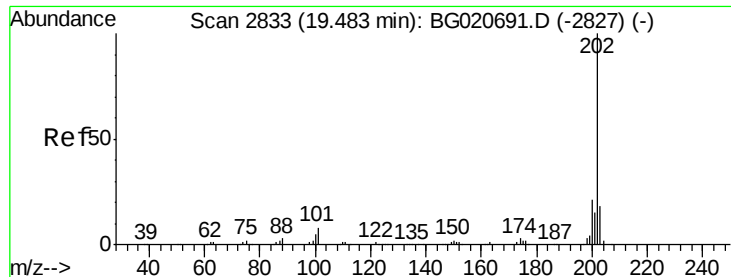
Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Tgt Ion:	167	Resp:	25074
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.0	25.4
139	14.3	9.1	13.7#

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





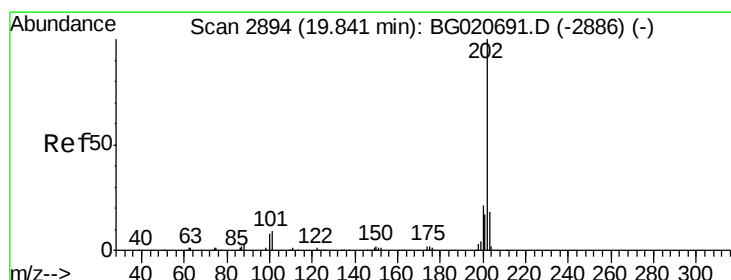
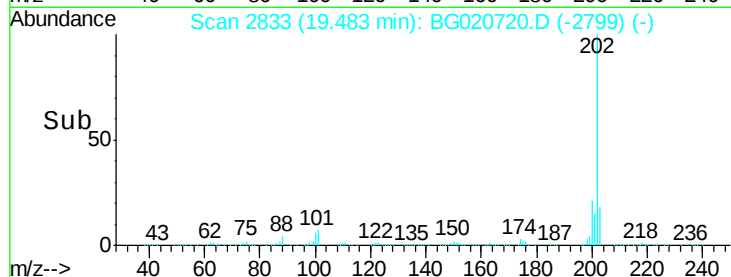
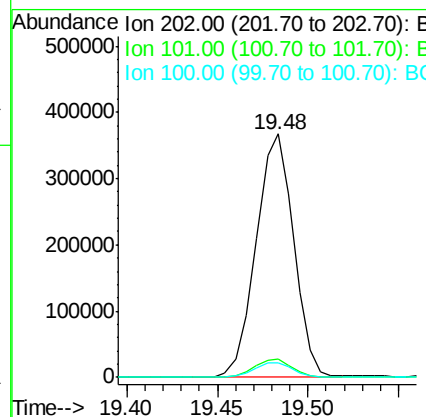
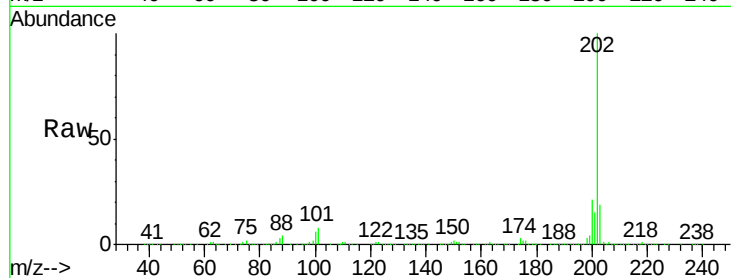
#77
Fluoranthene
 Concen: 54.99 ng/ul
 RT: 19.48 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020720.D
 Acq: 14 Jan 2016 4:10

Instrument :
 BNA_G
 ClientSampleId :
 BC934

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

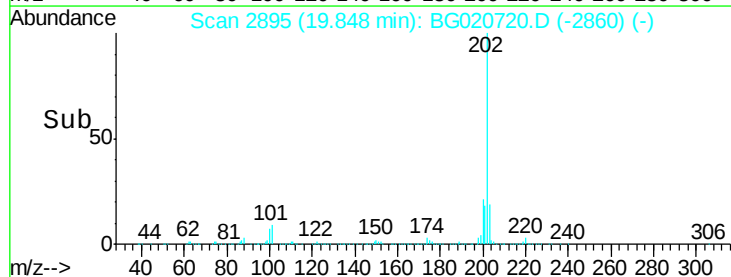
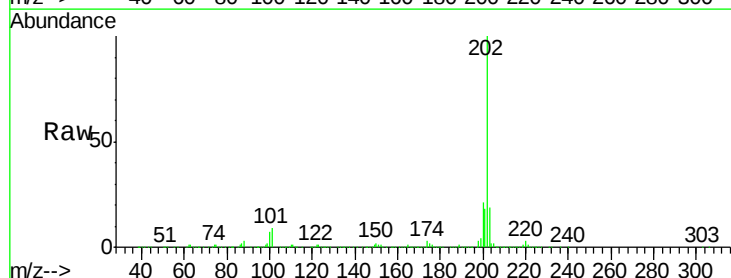
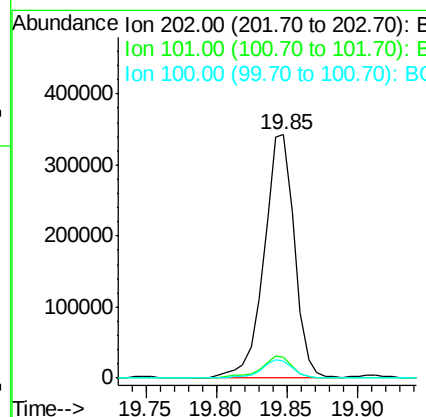
Manual Integrations
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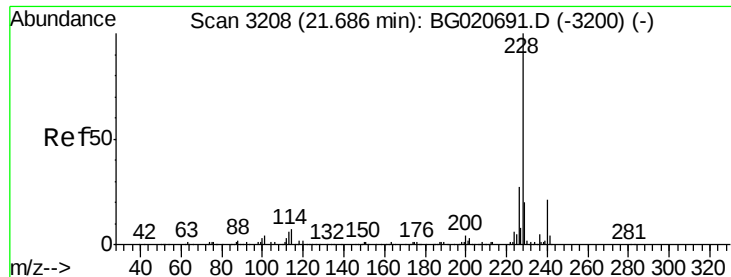
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#80
Pyrene
 Concen: 51.64 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BG020720.D
 Acq: 14 Jan 2016 4:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.7	6.9	10.3
100	6.9	5.6	8.4





#83

Benzo(a)anthracene

Concen: 29.41 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Instrument :

BNA_G

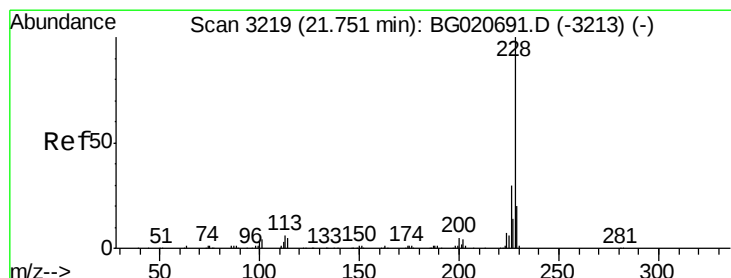
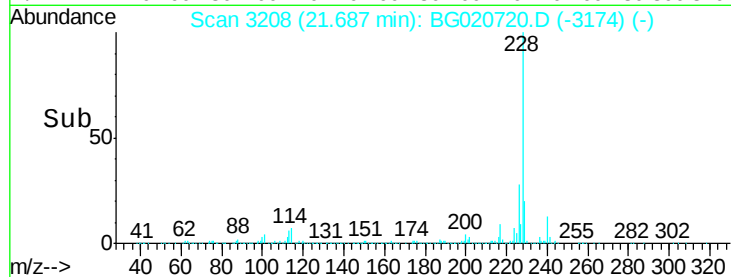
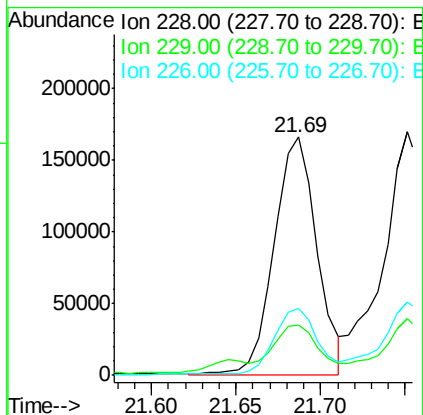
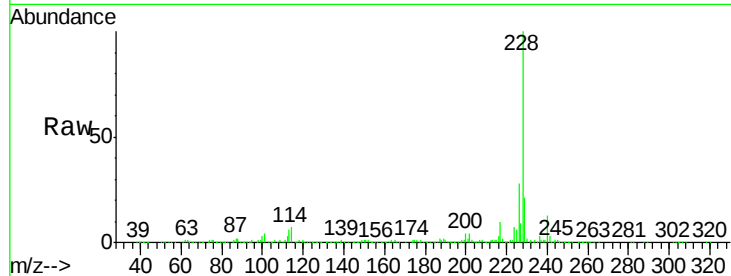
ClientSampleId :

BC934

Tgt Ion:	228	Resp:	288484
Ion Ratio	Lower	Upper	
228	100		
229	21.3	16.0	24.0
226	27.9	21.8	32.8

Manual Integrations
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#85

Chrysene

Concen: 33.03 ng/ul

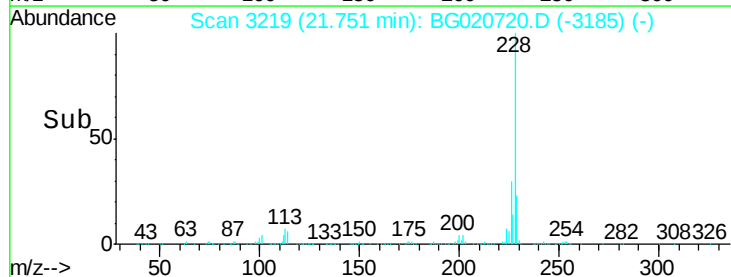
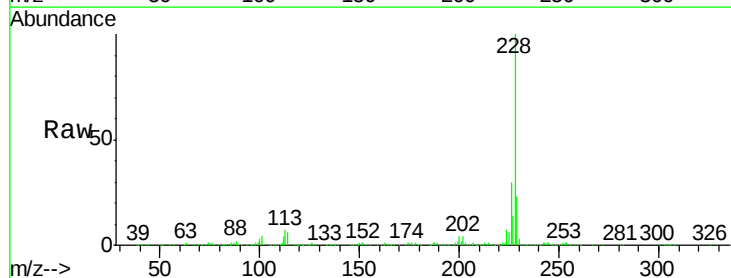
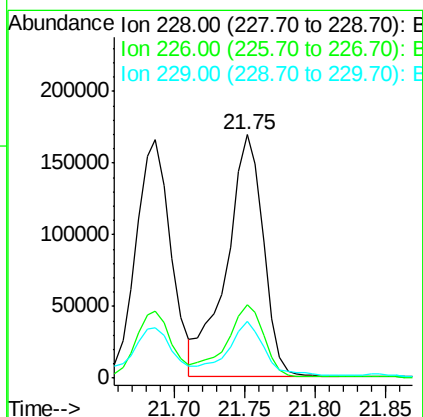
RT: 21.75 min Scan# 3219

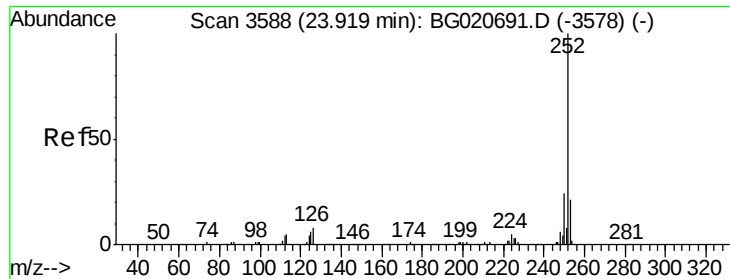
Delta R.T. 0.00 min

Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Tgt Ion:	228	Resp:	306363
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	23.4	16.0	24.0





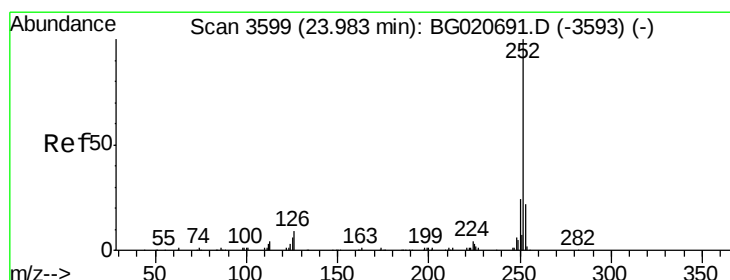
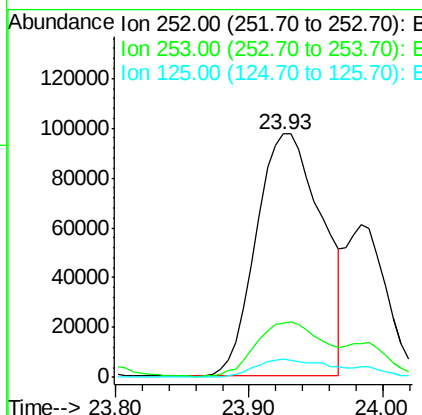
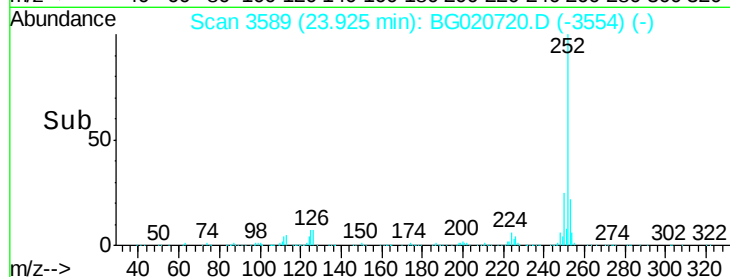
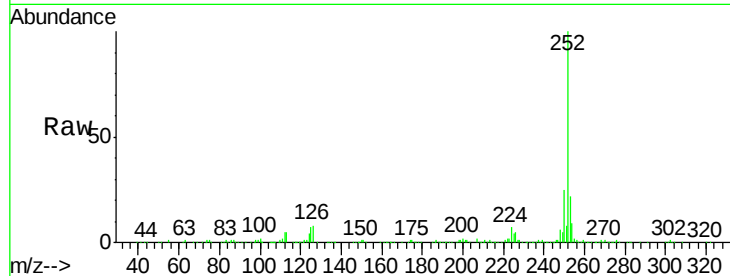
#88
Benzo(b)fluoranthene
Concen: 34.41 ng/uI
RT: 23.93 min Scan# 3589
Delta R.T. 0.01 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Instrument :
BNA_G
ClientSampleId :
BC934

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	7.3	4.9	7.3#

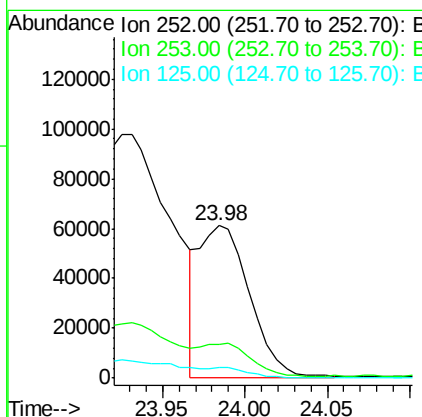
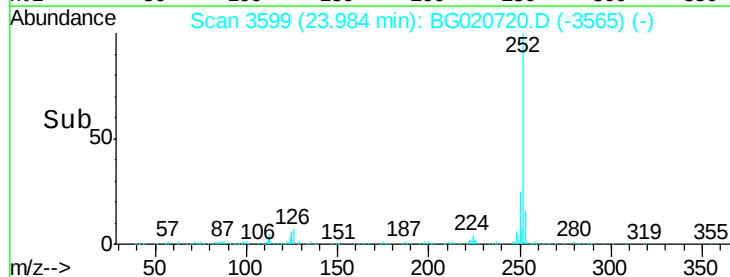
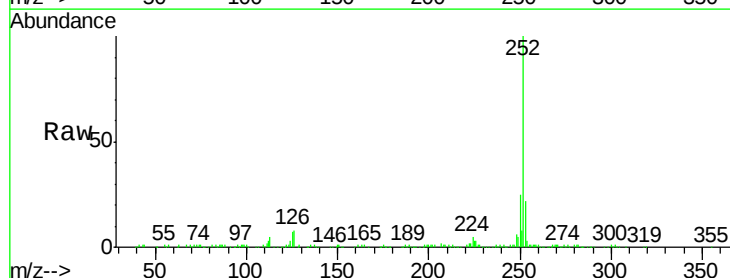
Manual Integrations
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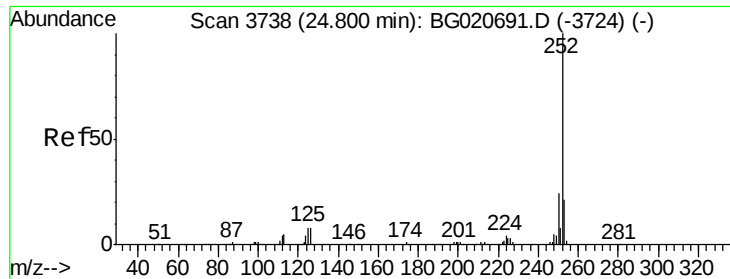
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#89
Benzo(k)fluoranthene
Concen: 13.74 ng/uI m
RT: 23.98 min Scan# 3599
Delta R.T. 0.00 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	6.6	5.4	8.0





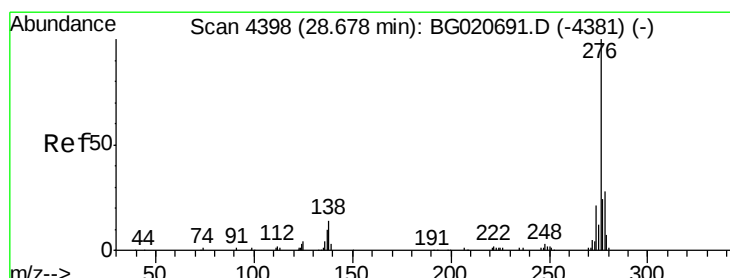
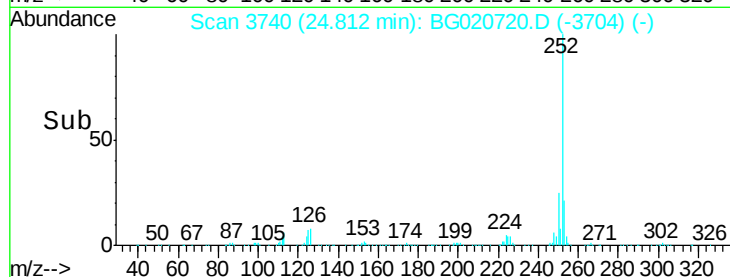
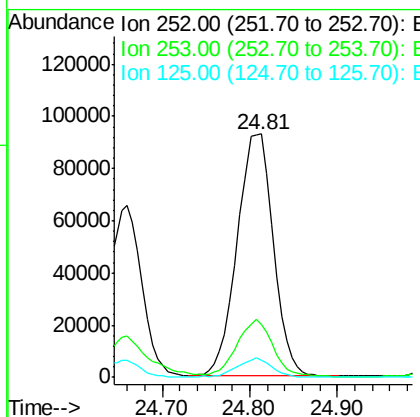
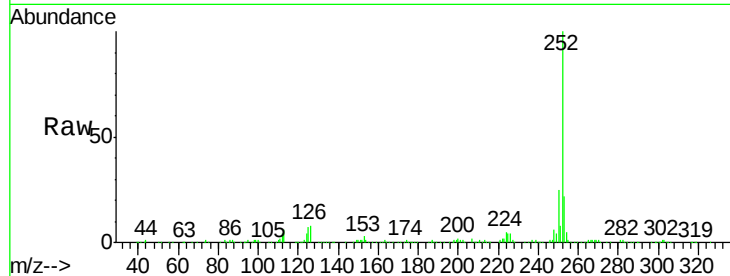
#91
Benzo(a)pyrene
Concen: 28.23 ng/ul
RT: 24.81 min Scan# 3740
Delta R.T. 0.01 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Instrument :
BNA_G
ClientSampleId :
BC934

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.9	17.2	25.8
125	7.0	5.8	8.6

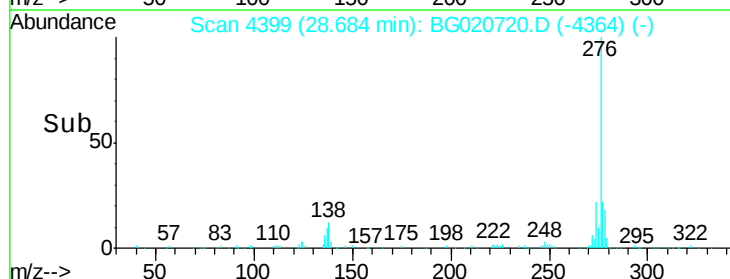
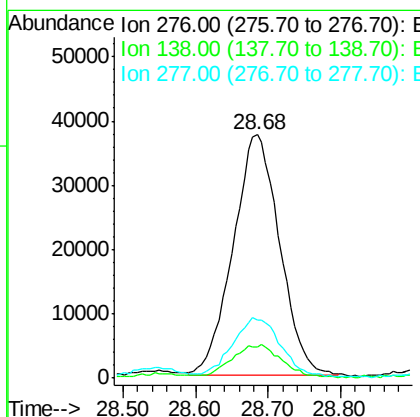
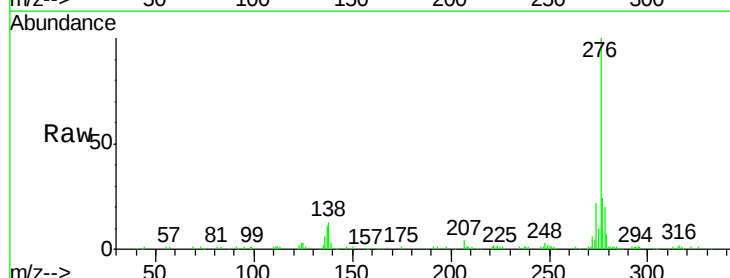
Manual Integrations
APPROVED

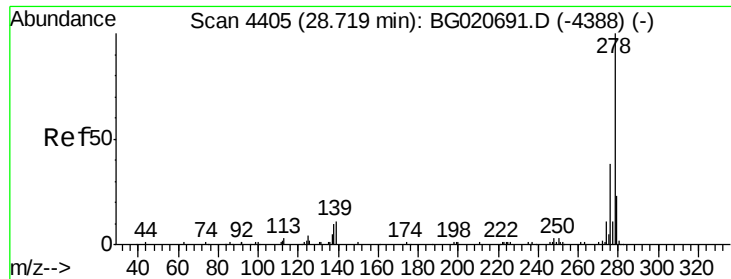
MMdadoda
1/14/2016 5:57:48 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 15.31 ng/ul
RT: 28.68 min Scan# 4399
Delta R.T. 0.01 min
Lab File: BG020720.D
Acq: 14 Jan 2016 4:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.7	10.9	16.3
277	23.8	18.9	28.3





#93

Dibenzo(a,h)anthracene

Concen: 5.76 ng/ul m

RT: 28.72 min Scan# 4405

Delta R.T. 0.00 min

Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Instrument :

BNA_G

ClientSampled :

BC934

Tgt Ion:278 Resp: 51977

Ion Ratio Lower Upper

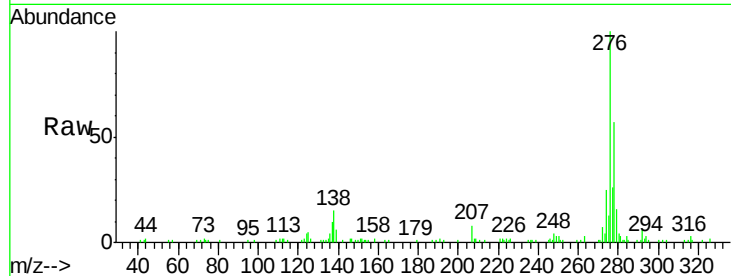
278 100

139 10.9 9.0 13.4

279 29.1 19.1 28.7#

Manual Integrations
APPROVED

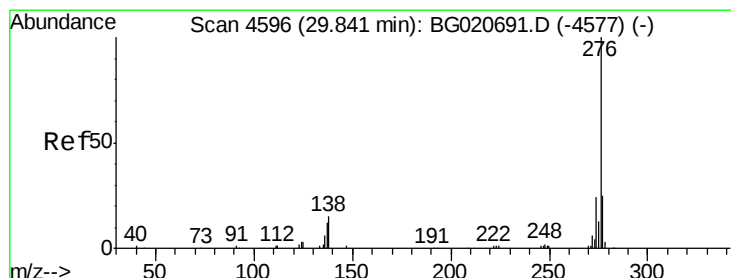
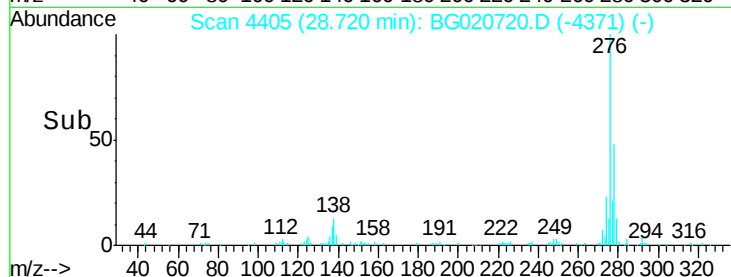
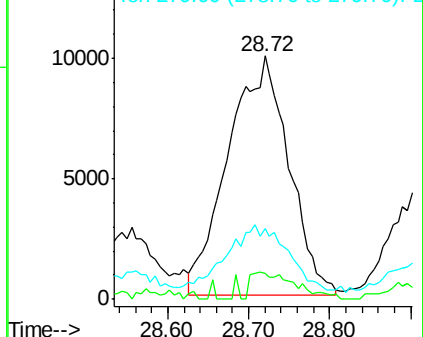
MMdadoda
1/14/2016 5:57:48 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 17.37 ng/ul

RT: 29.85 min Scan# 4598

Delta R.T. 0.01 min

Lab File: BG020720.D

Acq: 14 Jan 2016 4:10

Tgt Ion:276 Resp: 156963

Ion Ratio Lower Upper

276 100

138 14.5 11.2 16.8

277 25.6 19.0 28.6

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

