

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
 Data File : BG020721.D
 Acq On : 14 Jan 2016 4:49
 Operator : SJ/IZ
 Sample : H1096-05 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC935

Manual Integrations
 APPROVED

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 1/14/2016 5:57:47 PM

Quant Time: Jan 14 11:16:30 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	16976	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	75845	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	55332	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	137345	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	160890	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	154051	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	7.20	99	2501	1.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	1439	1.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	2026	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	2131	1.74	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	1020	1.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	1323	1.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	2341	1.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	384	0.29	ng/ul	0.02
44) Dimethylphthalate-d6	14.08	166	10488	2.17	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	12210	2.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	176	0.27	ng/ul	0.04
58) Fluorene-d10	15.67	176	9761	2.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	519	0.69	ng/ul	0.00
71) Anthracene-d10	17.53	188	16728	2.48	ng/ul	0.00
79) Pyrene-d10	19.81	212	19184	2.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	19883	2.42	ng/ul	0.00

Target Compounds

						Qvalue
50) Acenaphthene	14.74	153	4748	1.20	ng/ul	96
59) Fluorene	15.72	166	6810	1.40	ng/ul	96
70) Phenanthrene	17.47	178	153333	18.76	ng/ul	98
72) Anthracene	17.56	178	23747	2.88	ng/ul	97
75) Carbazole	17.83	167	11916	1.76	ng/ul#	93
77) Fluoranthene	19.48	202	287322	28.92	ng/ul	98
80) Pyrene	19.84	202	301817	29.58	ng/ul	100
83) Benzo(a)anthracene	21.68	228	156440	15.59	ng/ul	95
85) Chrysene	21.75	228	171403	18.06	ng/ul	99
88) Benzo(b)fluoranthene	23.92	252	187427	18.89	ng/ul	98
89) Benzo(k)fluoranthene	23.97	252	64132m	6.54	ng/ul	
91) Benzo(a)pyrene	24.80	252	145893	15.28	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.67	276	97207	8.63	ng/ul	97
93) Dibenzo(a,h)anthracene	28.71	278	30848m	3.32	ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	94145	10.13	ng/ul	98

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

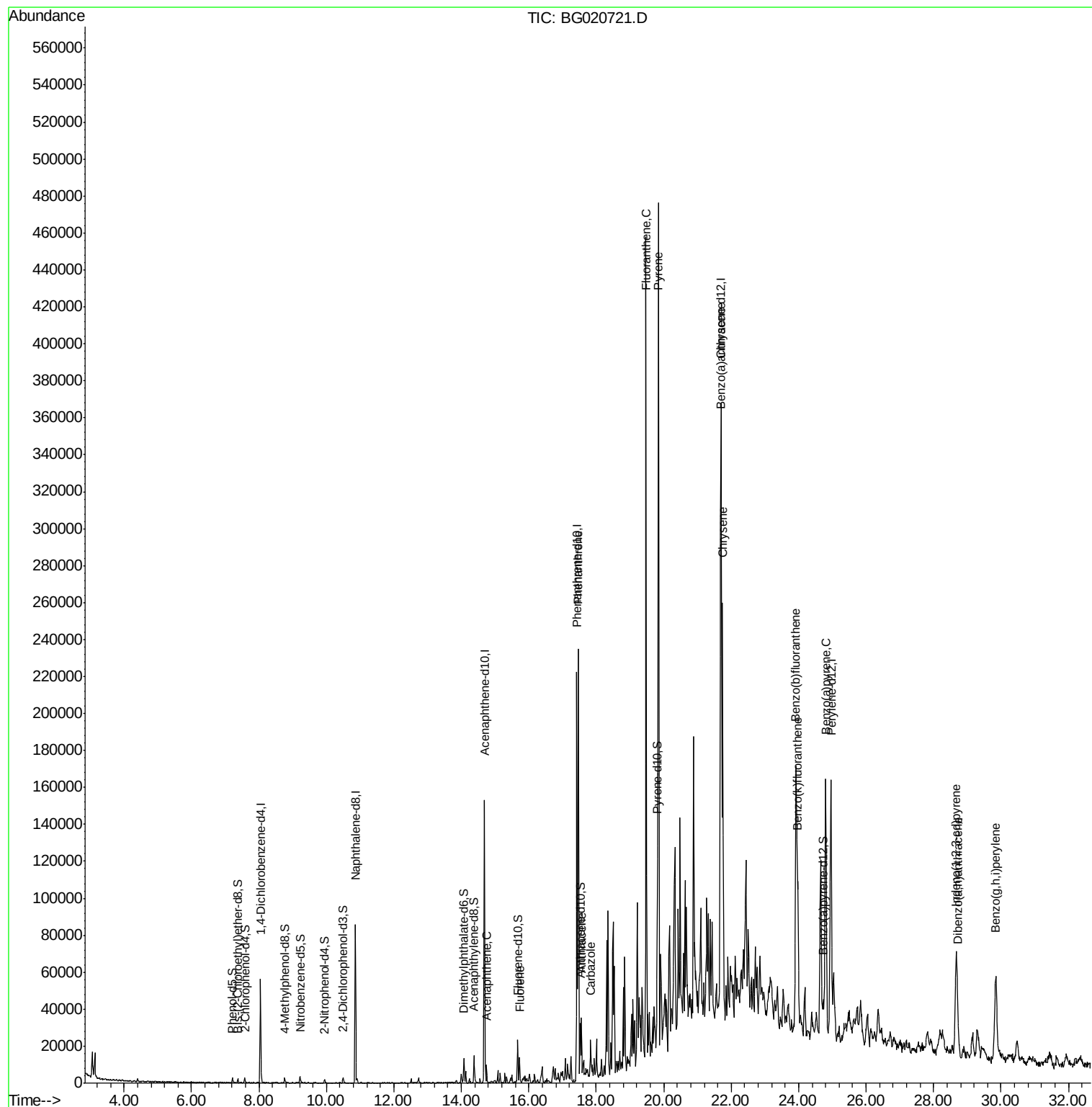
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

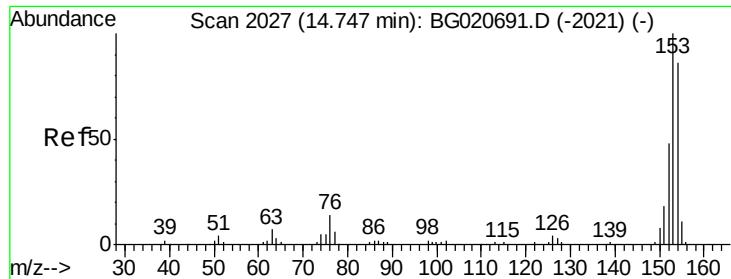
Instrument :
BNA_G
ClientSampleId :
BC935

Manual Integrations
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Quant Time: Jan 14 11:16:30 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





#50

Acenaphthene

Concen: 1.20 ng/ul

RT: 14.74 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BG020721.D

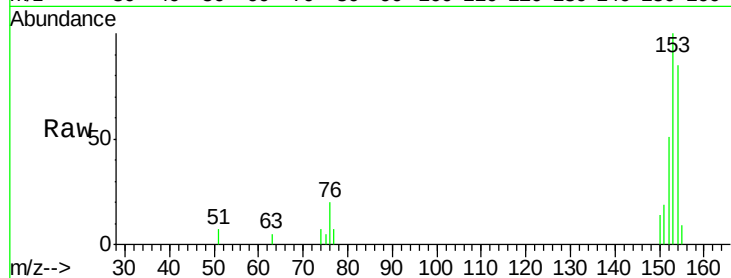
Acq: 14 Jan 2016 4:49

Instrument :

BNA_G

ClientSampleId :

BC935



Tgt Ion:153 Resp: 4748

Ion Ratio Lower Upper

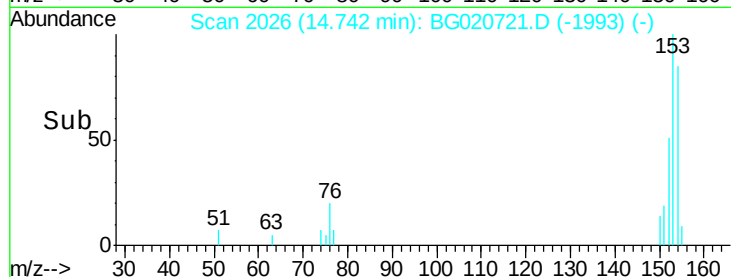
153 100

152 51.5 37.9 56.9

154 85.2 69.8 104.6

Manual Integrations
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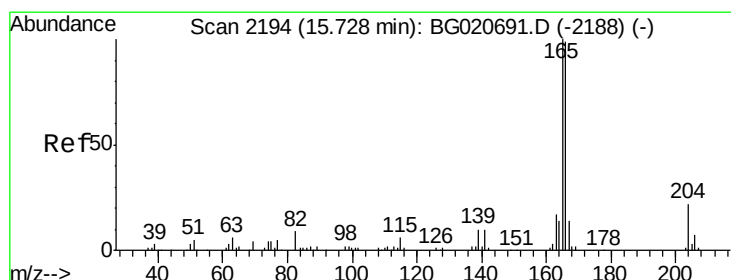
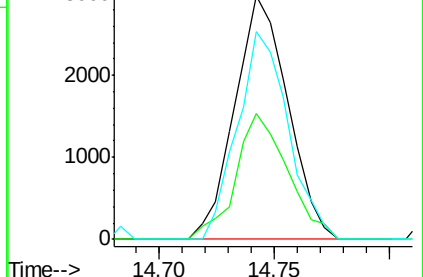
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 1.40 ng/ul

RT: 15.72 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BG020721.D

Acq: 14 Jan 2016 4:49

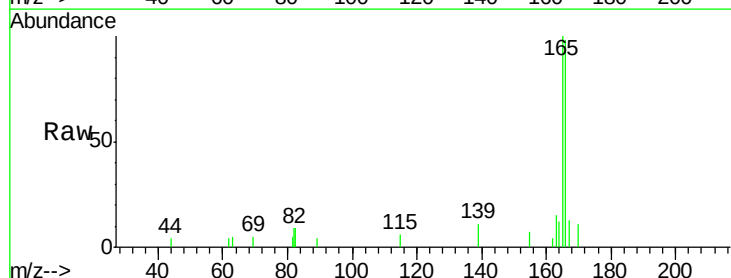
Tgt Ion:166 Resp: 6810

Ion Ratio Lower Upper

166 100

165 101.7 78.4 117.6

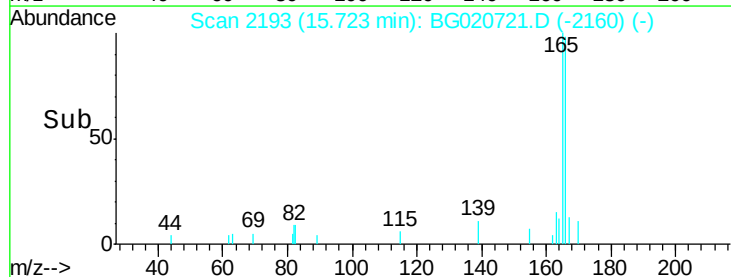
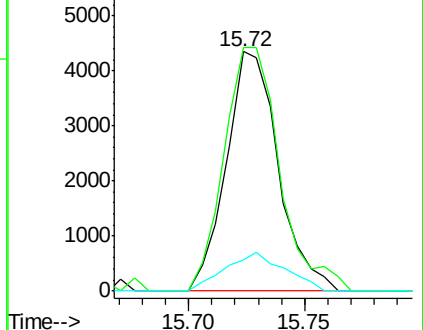
167 12.9 11.1 16.7

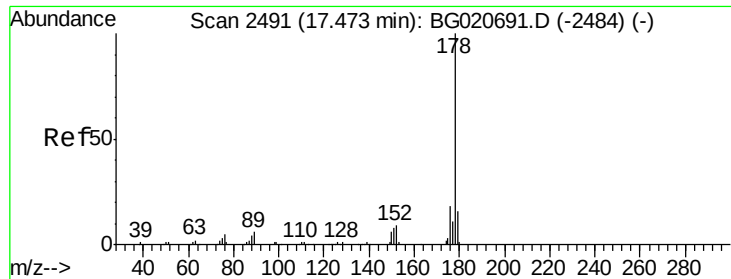


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





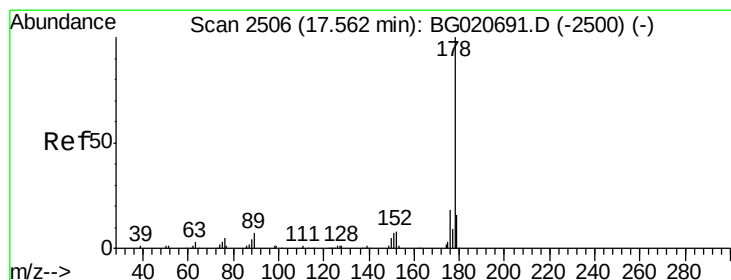
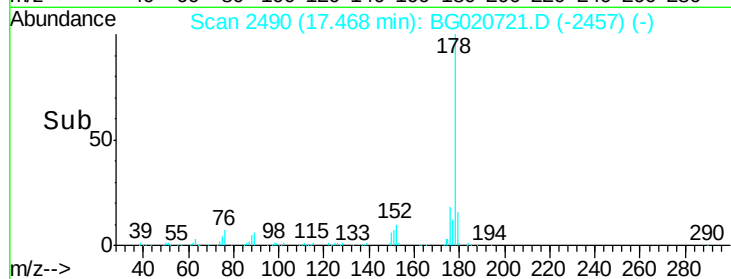
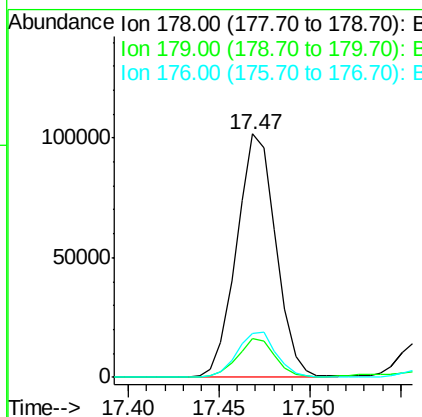
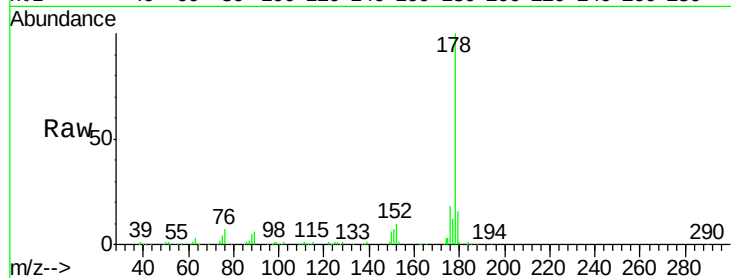
#70
Phenanthrene
Concen: 18.76 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG020721.D
Acq: 14 Jan 2016 4:49

Instrument :
BNA_G
ClientSampled :
BC935

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	153333		
179	15.9	12.3	18.5	
176	18.3	15.4	23.0	

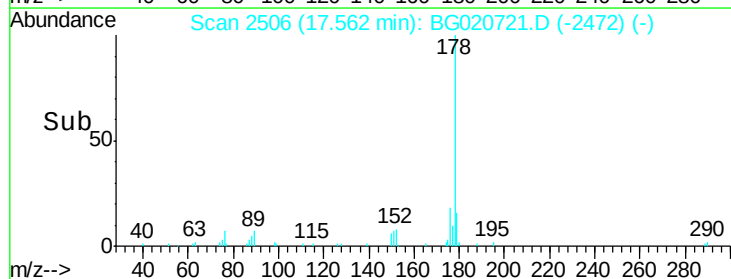
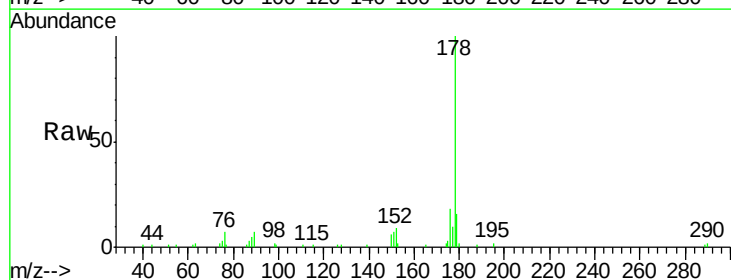
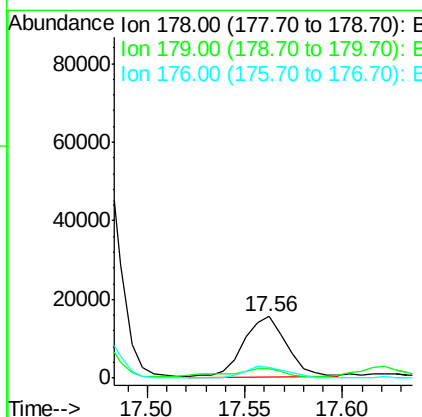
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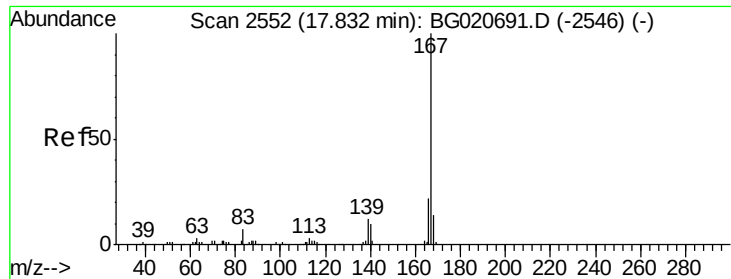
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#72
Anthracene
Concen: 2.88 ng/ul
RT: 17.56 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BG020721.D
Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	23747		
179	15.8	13.4	20.2	
176	18.0	15.4	23.0	





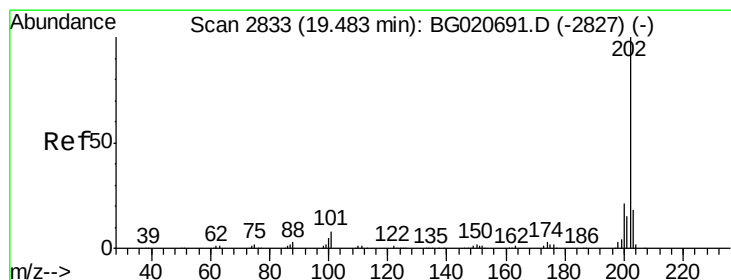
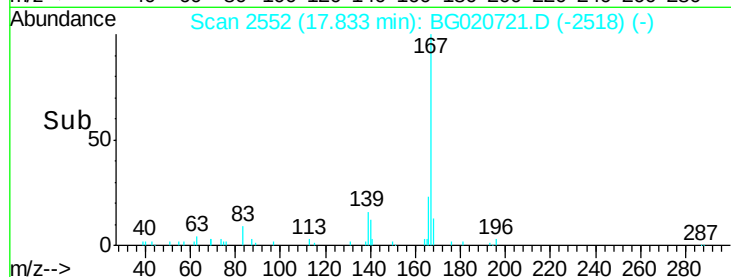
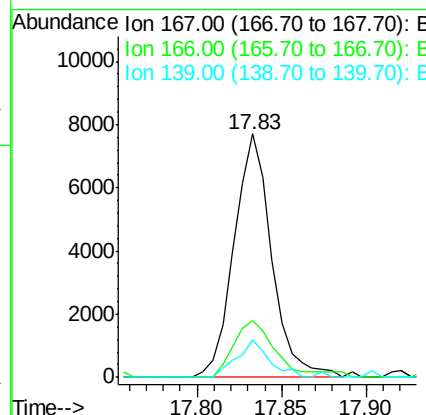
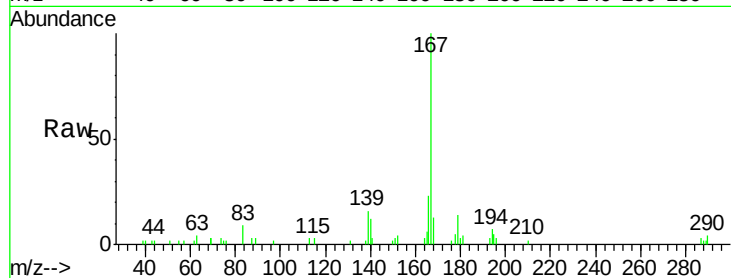
#75
 Carbazole
 Concen: 1.76 ng/ul
 RT: 17.83 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Instrument :
 BNA_G
 ClientSampled :
 BC935

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	23.1	17.0	25.4
139	15.6	9.1	13.7#

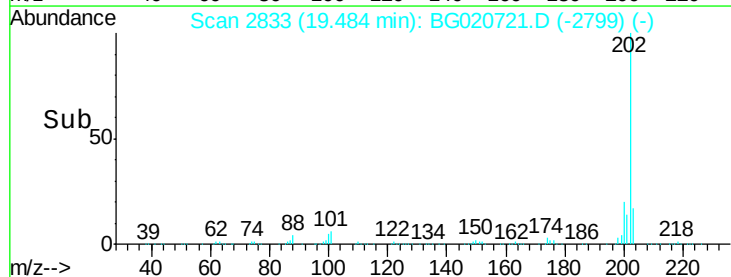
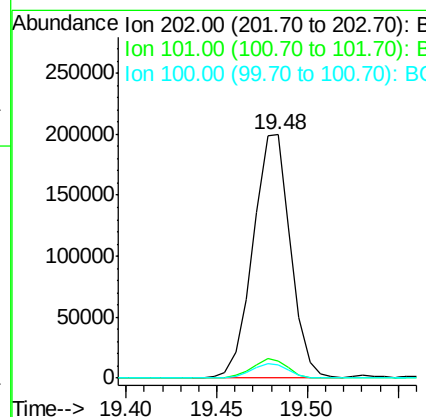
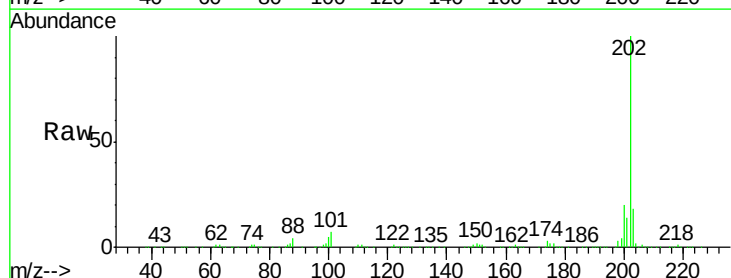
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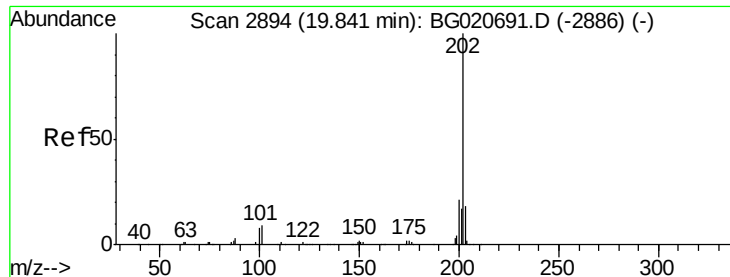
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#77
 Fluoranthene
 Concen: 28.92 ng/ul
 RT: 19.48 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	6.1	9.1
100	5.4	4.6	7.0





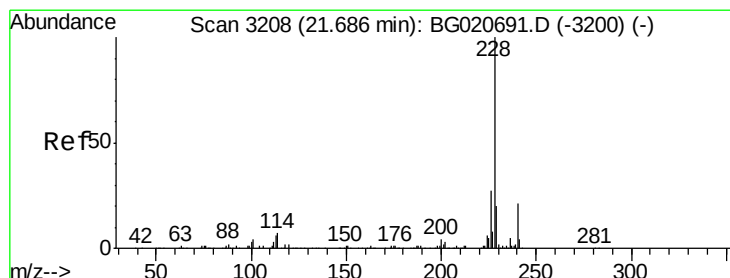
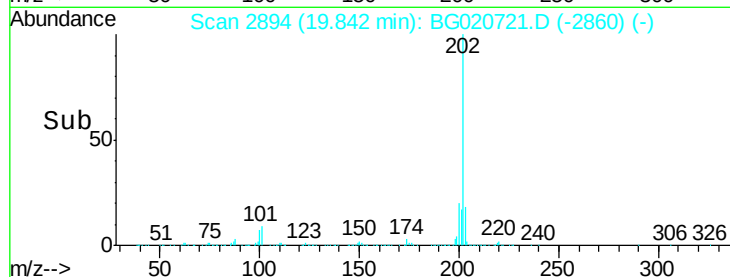
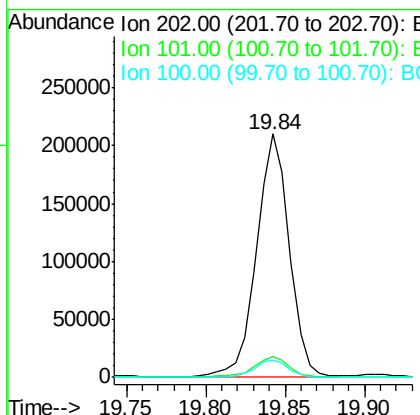
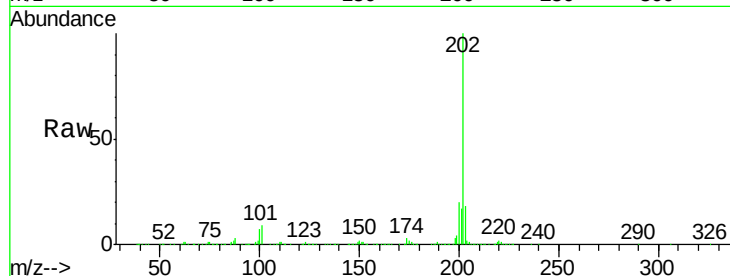
#80
 Pyrene
 Concen: 29.58 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. 0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Instrument :
 BNA_G
 ClientSampleId :
 BC935

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.6	6.9	10.3
100	7.2	5.6	8.4

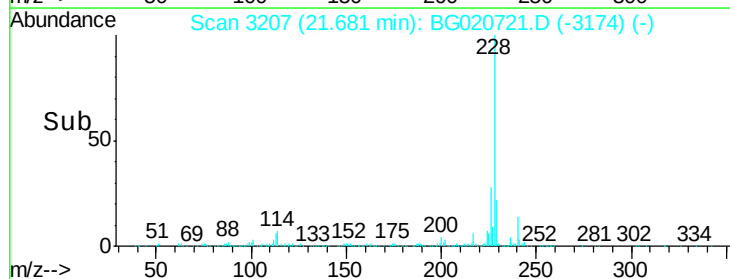
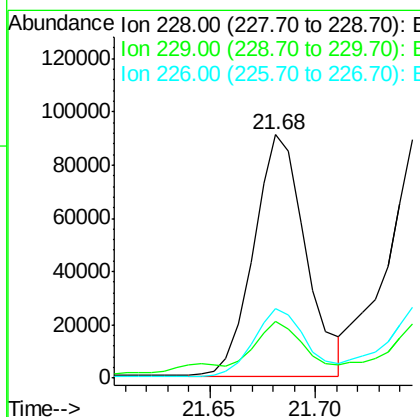
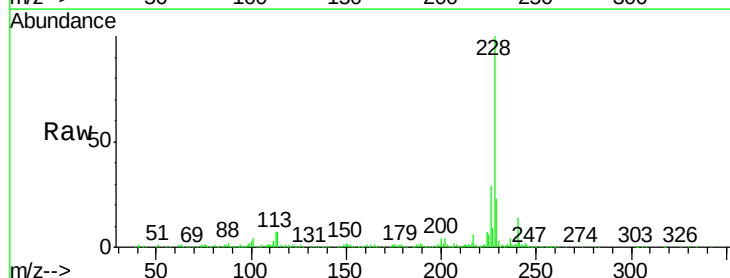
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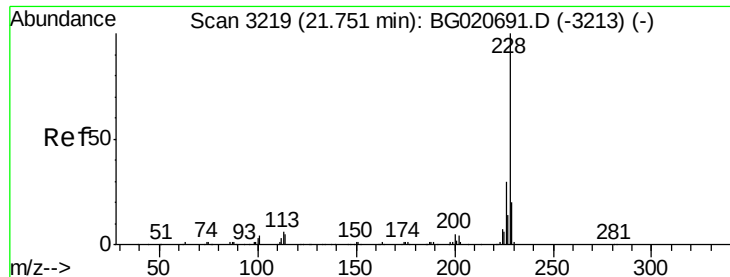
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#83
 Benzo(a)anthracene
 Concen: 15.59 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.1	16.0	24.0
226	28.8	21.8	32.8





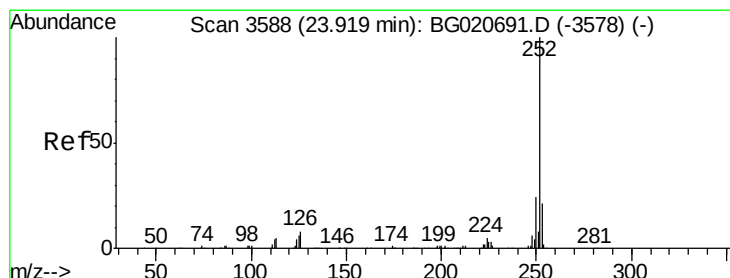
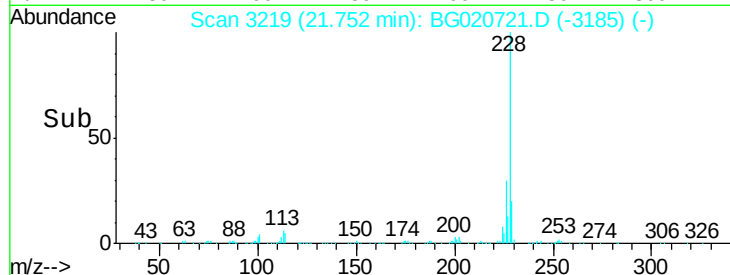
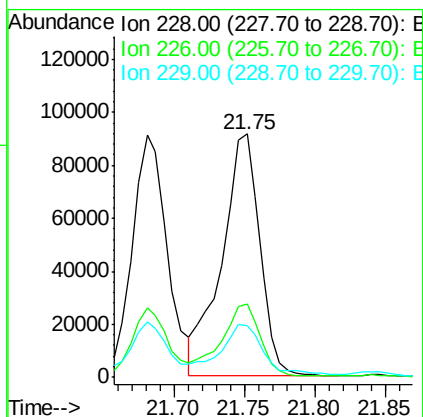
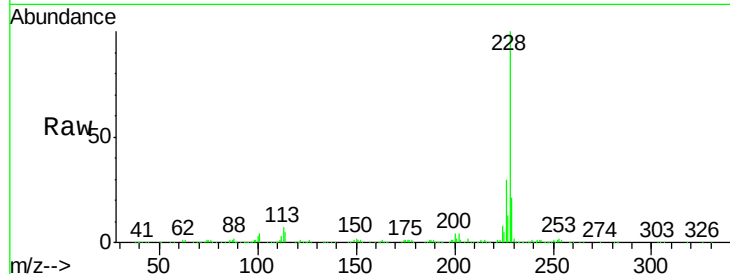
#85
Chrysene
 Concen: 18.06 ng/ul
 RT: 21.75 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Instrument :
 BNA_G
 ClientSampleId :
 BC935

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	21.0	16.0	24.0

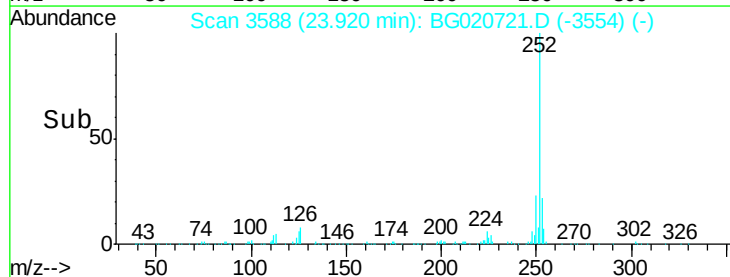
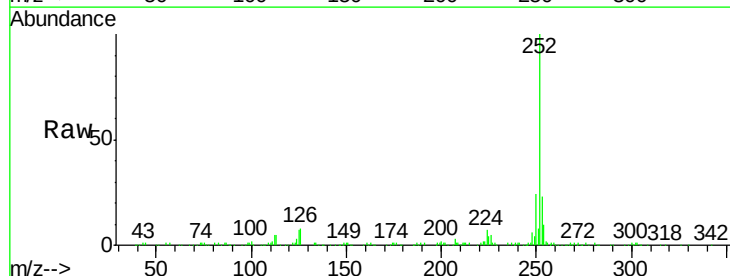
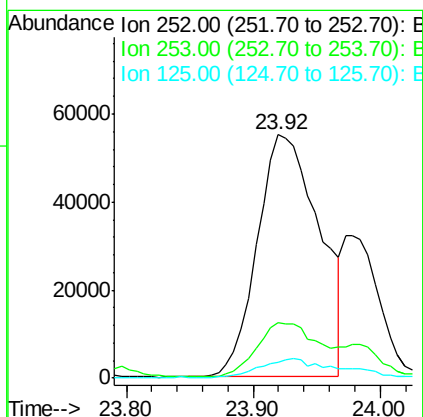
Manual Integrations
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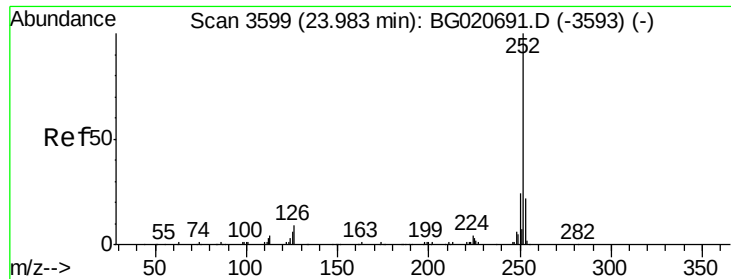
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#88
Benzo(b)fluoranthene
 Concen: 18.89 ng/ul
 RT: 23.92 min Scan# 3588
 Delta R.T. 0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	6.5	4.9	7.3





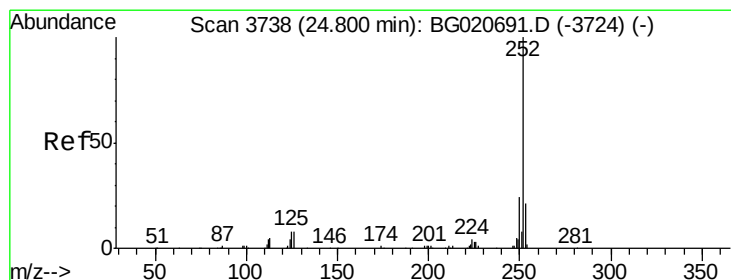
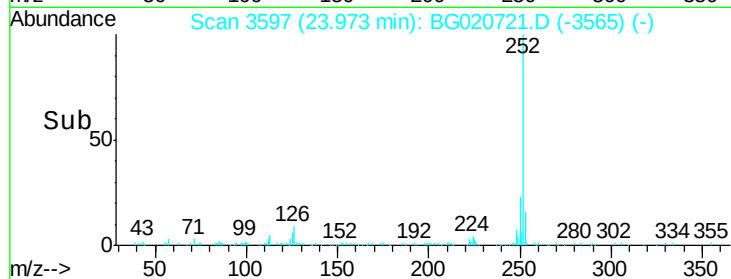
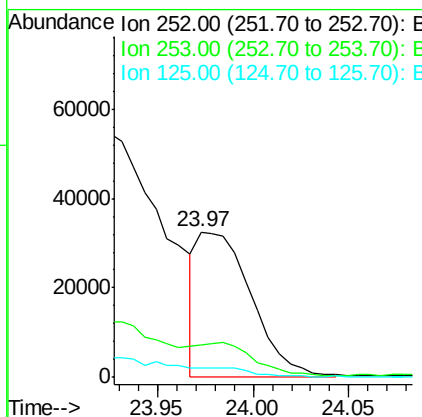
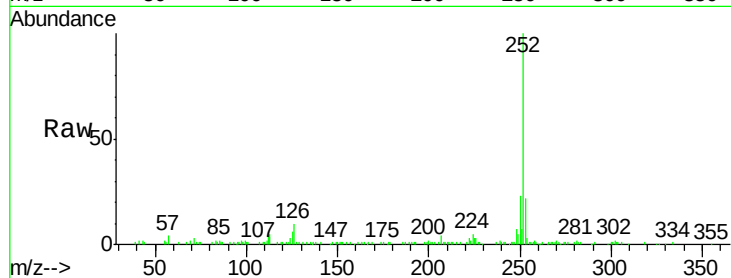
#89
Benzo(k)fluoranthene
Concen: 6.54 ng/ul m
RT: 23.97 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BG020721.D
Acq: 14 Jan 2016 4:49

Instrument :
BNA_G
ClientSampleId :
BC935

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	6.3	5.4	8.0

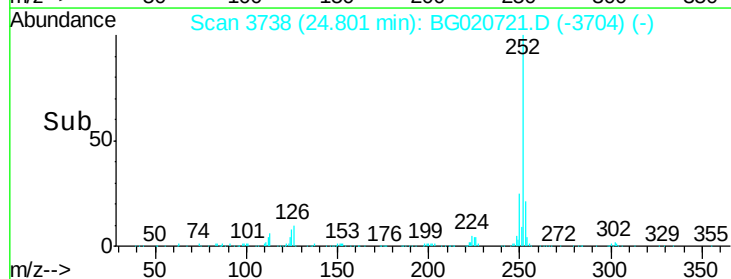
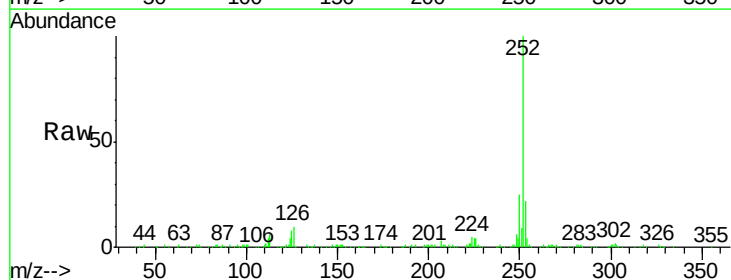
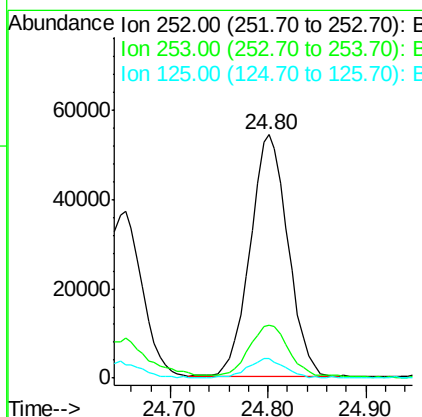
Manual Integrations
APPROVED

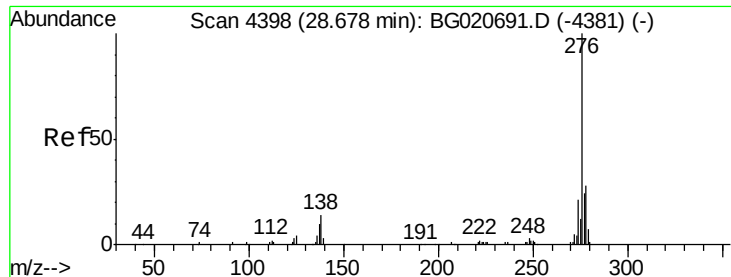
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1/14/2016 5:57:47 PM



#91
Benzo(a)pyrene
Concen: 15.28 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. 0.00 min
Lab File: BG020721.D
Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.0	5.8	8.6





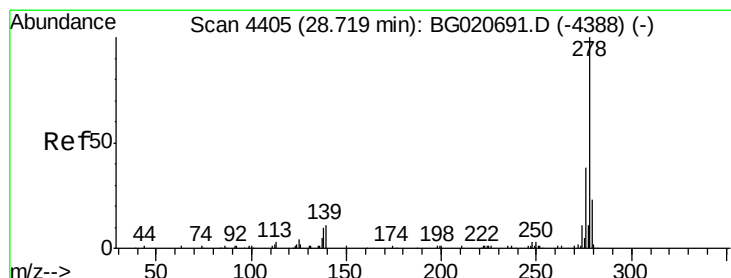
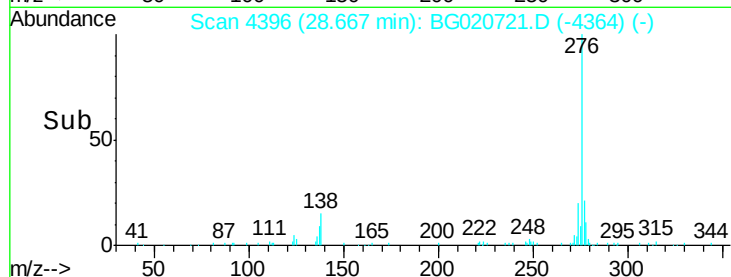
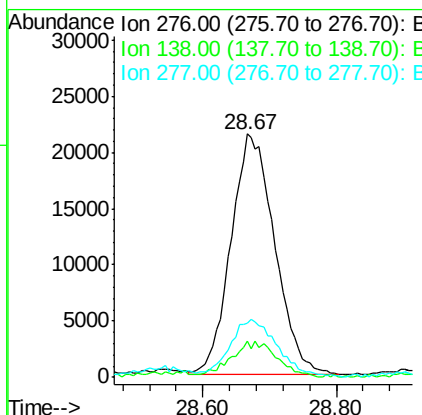
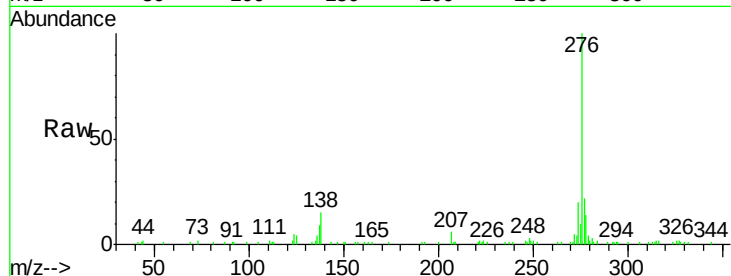
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.63 ng/ul
 RT: 28.67 min Scan# 4396
 Delta R.T. -0.01 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Instrument :
 BNA_G
 ClientSampleId :
 BC935

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.1	10.9	16.3
277	22.2	18.9	28.3

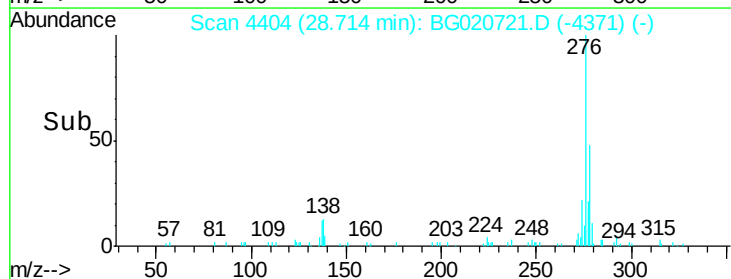
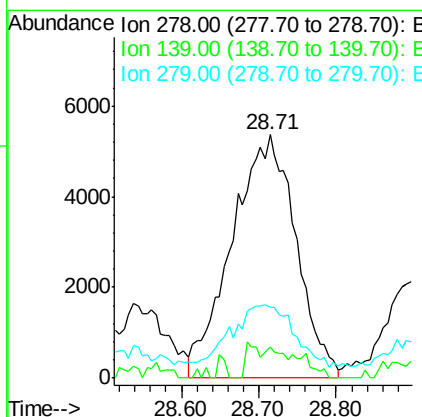
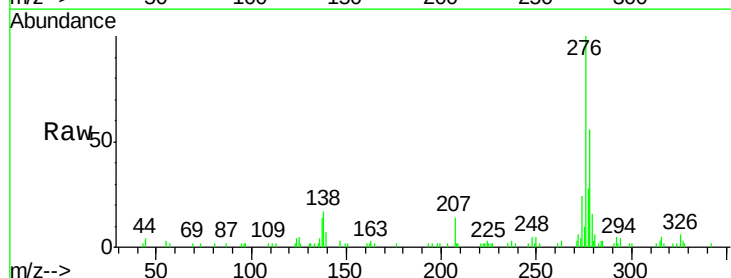
Manual Integrations
 APPROVED

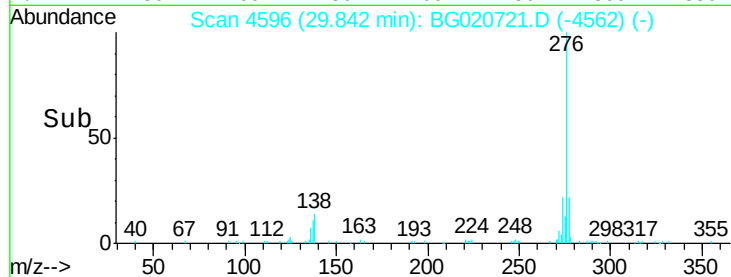
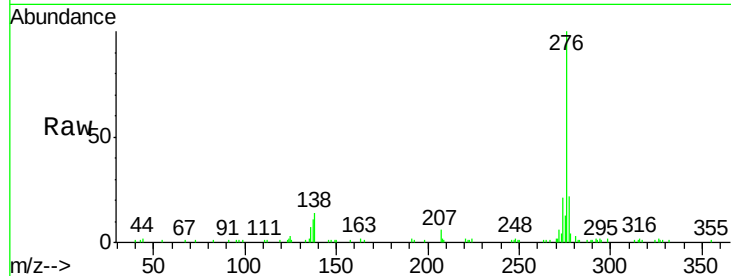
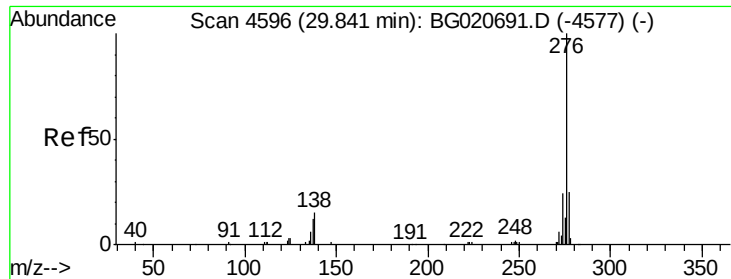
MMdadoda
 1/14/2016 5:57:47 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 3.32 ng/ul m
 RT: 28.71 min Scan# 4404
 Delta R.T. -0.00 min
 Lab File: BG020721.D
 Acq: 14 Jan 2016 4:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	12.6	9.0	13.4
279	29.1	19.1	28.7#





#94

Benzo(g,h,i)perylene

Concen: 10.13 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. 0.00 min

Lab File: BG020721.D

Acq: 14 Jan 2016 4:49

Instrument :

BNA_G

ClientSampleId :

BC935

Tgt Ion:	276	Resp:	94145
Ion Ratio		Lower	Upper
276	100		
138	13.7	11.2	16.8
277	22.2	19.0	28.6

Manual Integrations
APPROVED

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1/14/2016 5:57:47 PM

