

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
 Data File : BG020719.D
 Acq On : 14 Jan 2016 3:31
 Operator : SJ/IZ
 Sample : H1096-03 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC933

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 5:57:45 PM

Quant Time: Jan 14 10:49:48 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	18509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	79462	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	56621	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	138600	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	157800	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	152378	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	2536	1.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	1506	1.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	2100	1.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	1656	1.24	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	930	1.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	1087	1.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	1831	1.32	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.08	166	9834	1.99	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	11372	2.05	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	9380	2.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	458	0.61	ng/ul	0.00
71) Anthracene-d10	17.53	188	14171	2.09	ng/ul	0.00
79) Pyrene-d10	19.81	212	17132	2.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	17643	2.17	ng/ul	0.00

Target Compounds

					Qvalue
50) Acenaphthene	14.74	153	8411	2.08 ng/ul	99
59) Fluorene	15.73	166	11327	2.28 ng/ul	97
70) Phenanthrene	17.47	178	236341	28.66 ng/ul	99
72) Anthracene	17.56	178	44477	5.34 ng/ul	96
75) Carbazole	17.83	167	22288	3.27 ng/ul	99
77) Fluoranthene	19.48	202	476886	47.57 ng/ul	99
80) Pyrene	19.84	202	464846	46.46 ng/ul	99
83) Benzo(a)anthracene	21.68	228	267472	27.17 ng/ul	98
85) Chrysene	21.75	228	273536	29.39 ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	318524	32.45 ng/ul#	98
89) Benzo(k)fluoranthene	23.99	252	108183m	11.16 ng/ul	
91) Benzo(a)pyrene	24.80	252	239988	25.41 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.68	276	156956	14.08 ng/ul	99
93) Dibenzo(a,h)anthracene	28.70	278	48541m	5.29 ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	146933	15.98 ng/ul	99

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

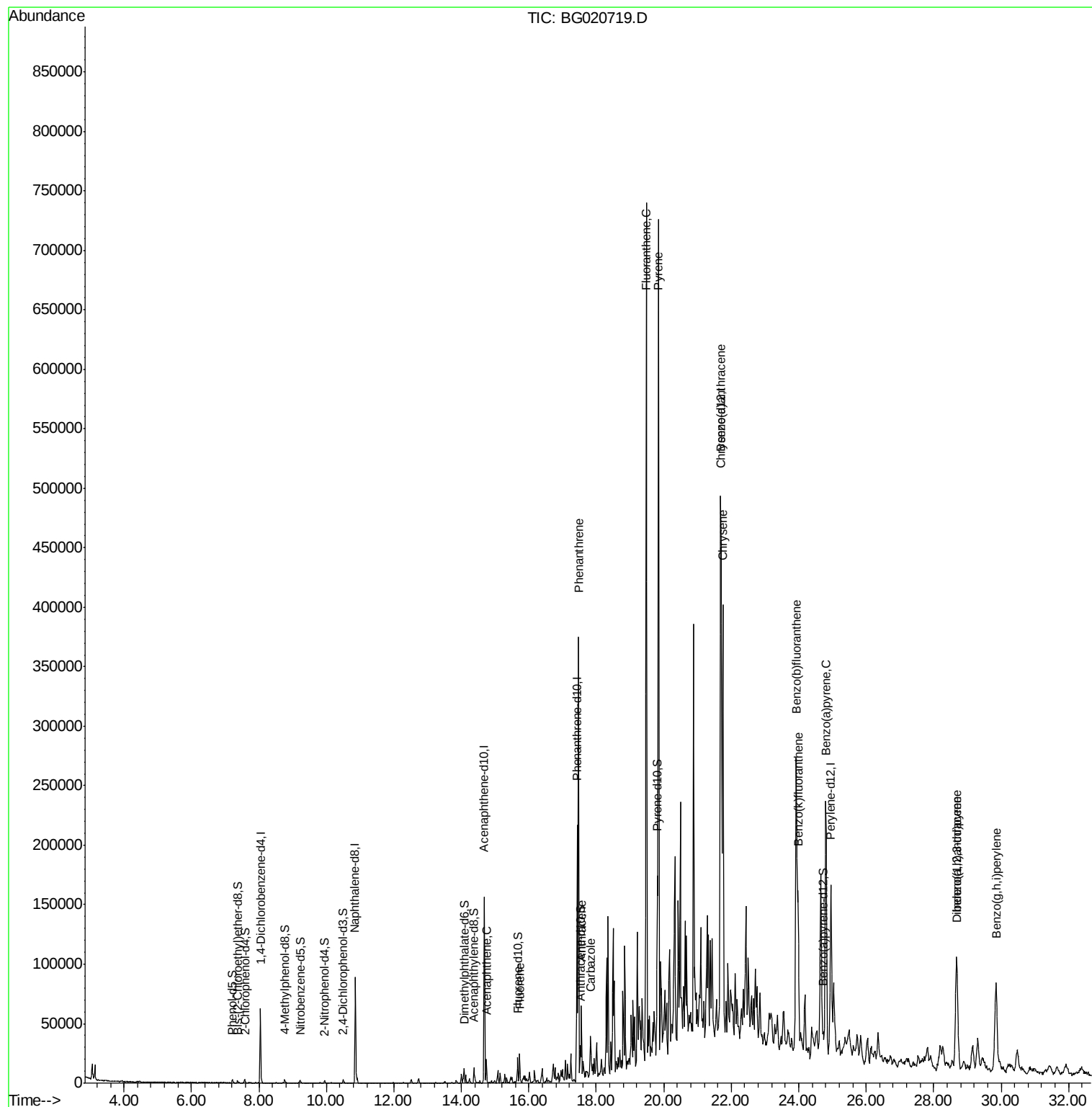
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

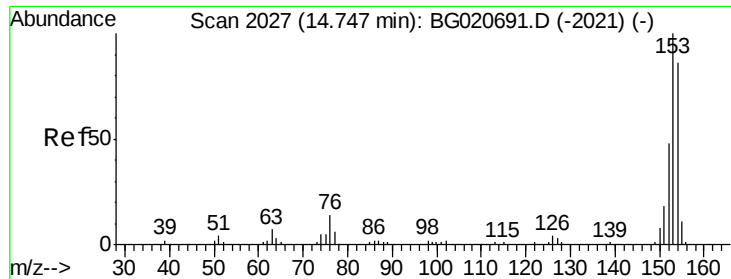
Instrument :
BNA_G
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Quant Time: Jan 14 10:49:48 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 07:56:00 2016
Response via : Initial Calibration





#50

Acenaphthene

Concen: 2.08 ng/ul

RT: 14.74 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BG020719.D

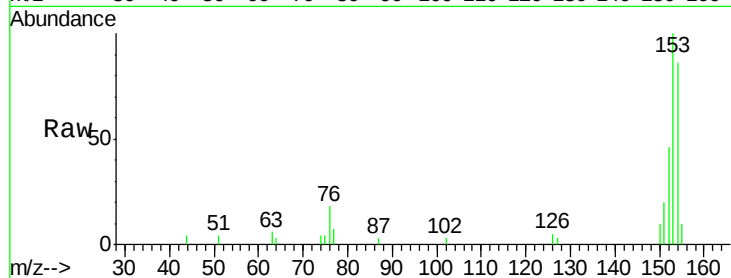
Acq: 14 Jan 2016 3:31

Instrument :

BNA_G

ClientSampleId :

BC933



Tgt Ion:153 Resp: 8411

Ion Ratio Lower Upper

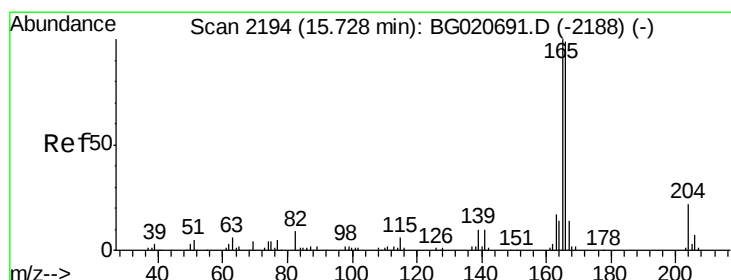
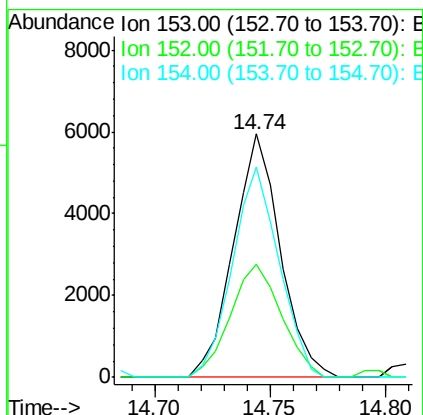
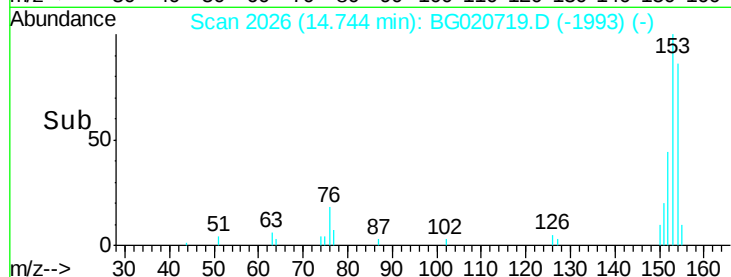
153 100

152 46.4 37.9 56.9

154 86.2 69.8 104.6

Manual Integrations
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#59

Fluorene

Concen: 2.28 ng/ul

RT: 15.73 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

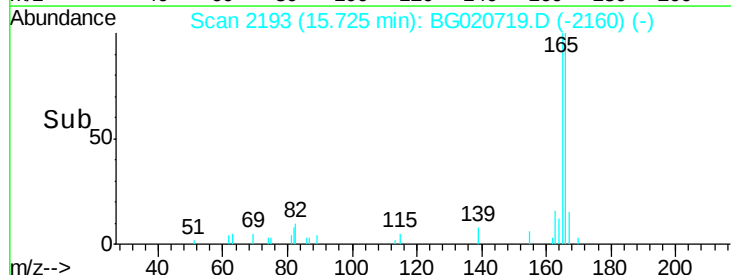
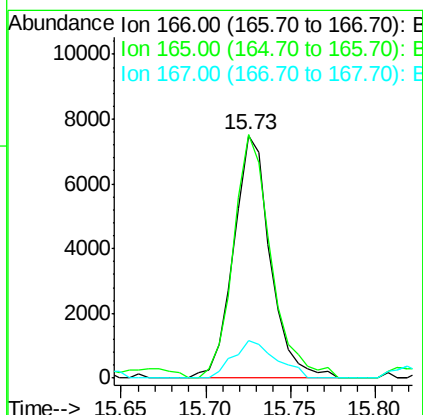
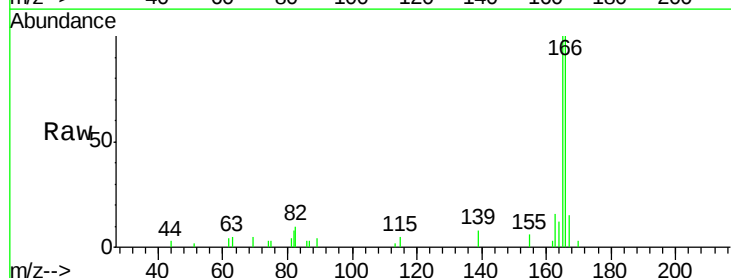
Tgt Ion:166 Resp: 11327

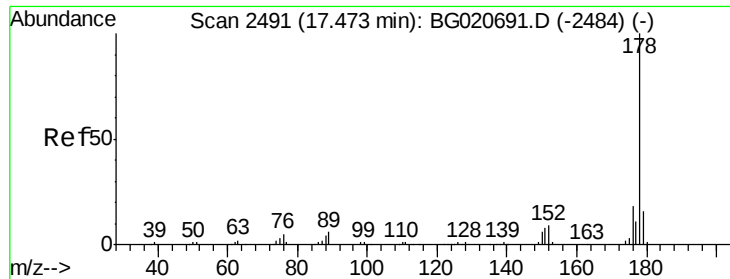
Ion Ratio Lower Upper

166 100

165 100.4 78.4 117.6

167 15.5 11.1 16.7





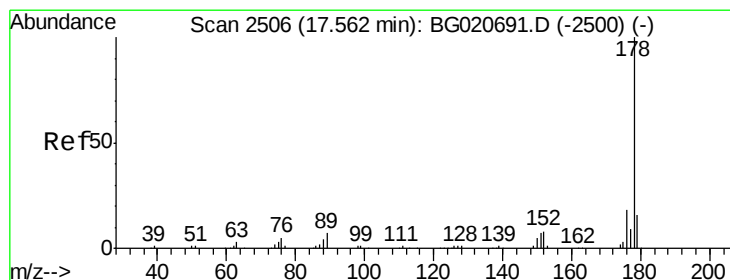
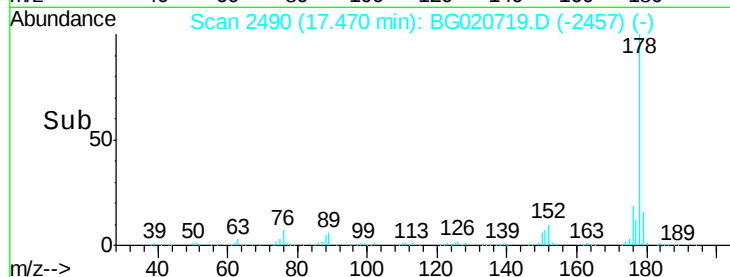
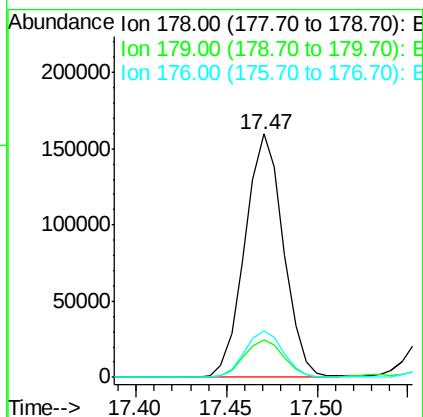
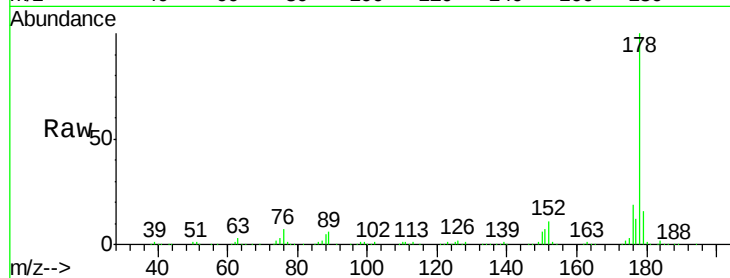
#70
Phenanthrene
Concen: 28.66 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG020719.D
Acq: 14 Jan 2016 3:31

Instrument :
BNA_G
ClientSampleId :
BC933

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	236341		
179	15.7	12.3	18.5	
176	18.9	15.4	23.0	

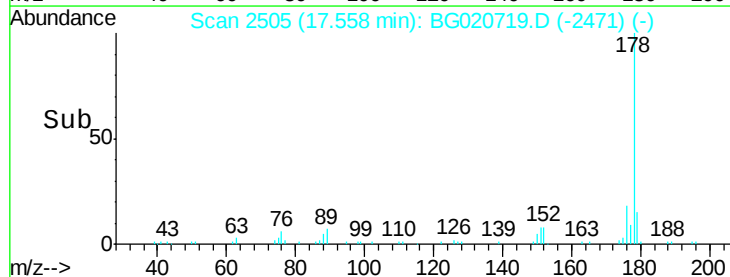
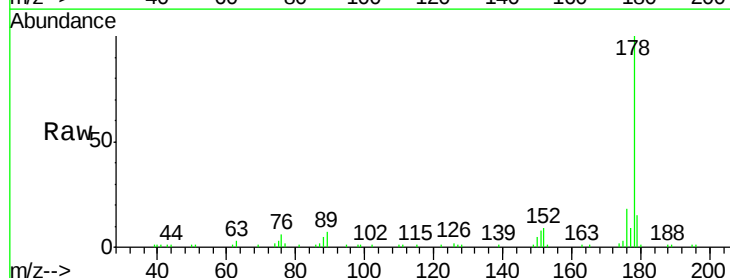
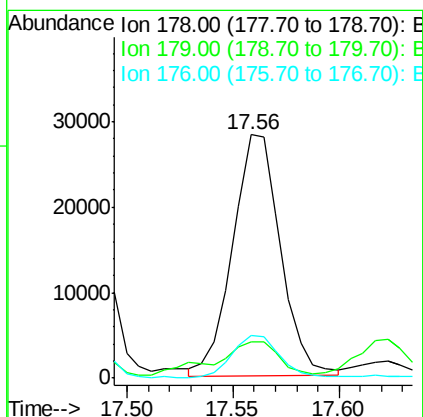
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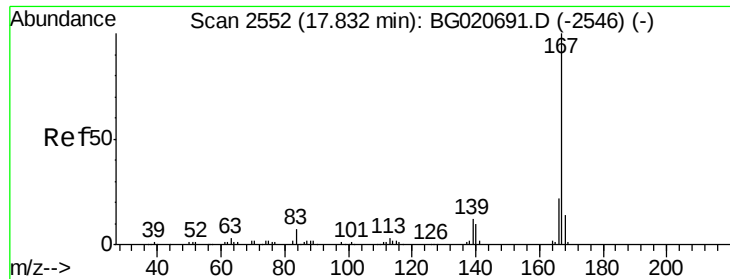
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#72
Anthracene
Concen: 5.34 ng/ul
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG020719.D
Acq: 14 Jan 2016 3:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	44477		
179	14.9	13.4	20.2	
176	17.7	15.4	23.0	





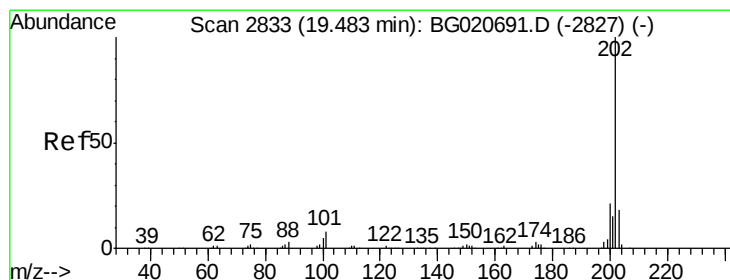
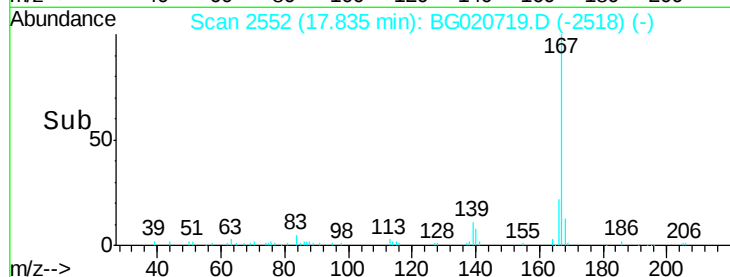
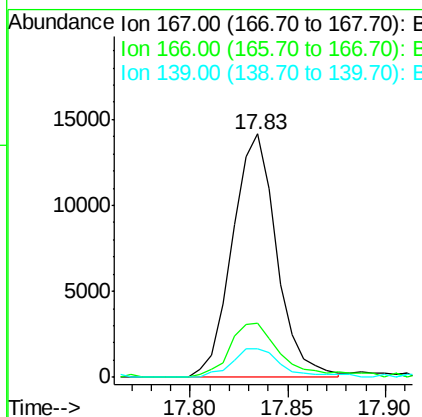
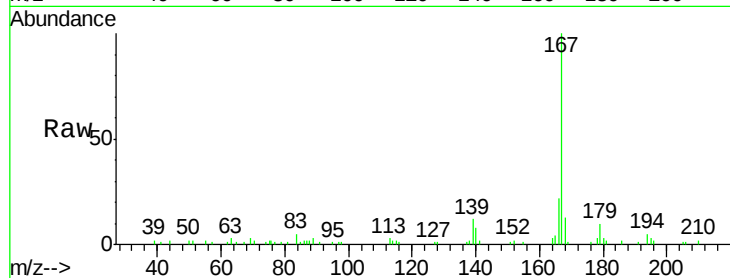
#75
 Carbazole
 Concen: 3.27 ng/ul
 RT: 17.83 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: BG020719.D
 Acq: 14 Jan 2016 3:31

Instrument :
 BNA_G
 ClientSampleId :
 BC933

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.4
139	11.7	9.1	13.7

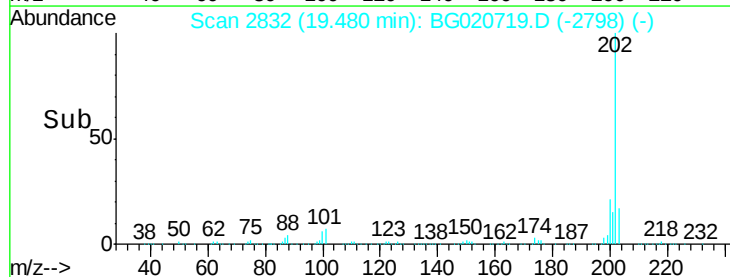
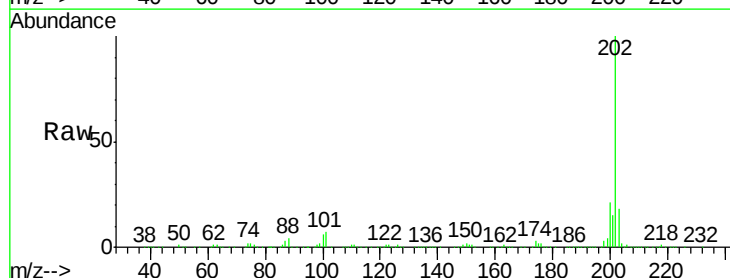
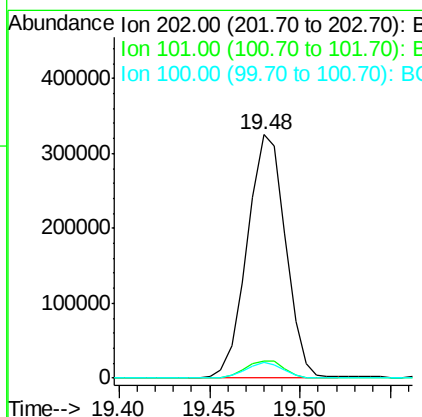
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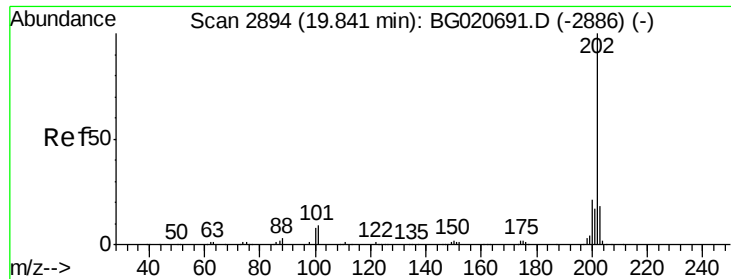
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#77
 Fluoranthene
 Concen: 47.57 ng/ul
 RT: 19.48 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BG020719.D
 Acq: 14 Jan 2016 3:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.1	9.1
100	6.3	4.6	7.0





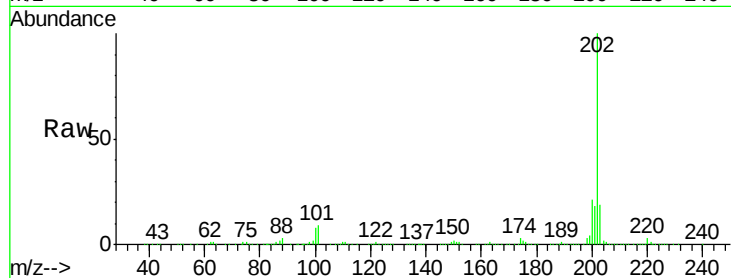
#80
Pyrene
Concen: 46.46 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. 0.00 min
Lab File: BG020719.D
Acq: 14 Jan 2016 3:31

Instrument :
BNA_G
ClientSampleId :
BC933

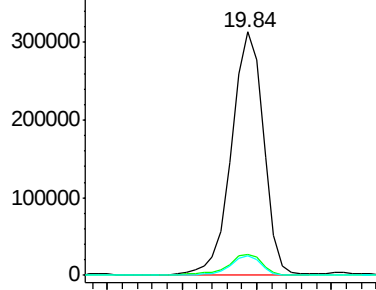
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	6.9	10.3
100	7.9	5.6	8.4

Manual Integrations
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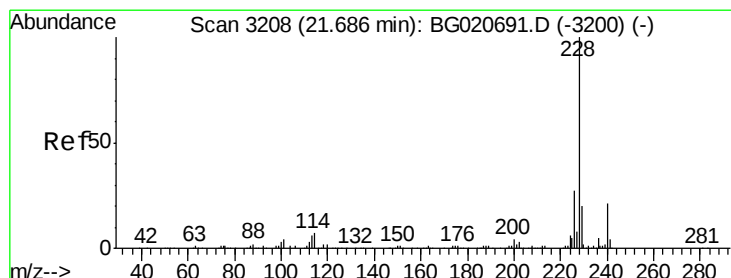
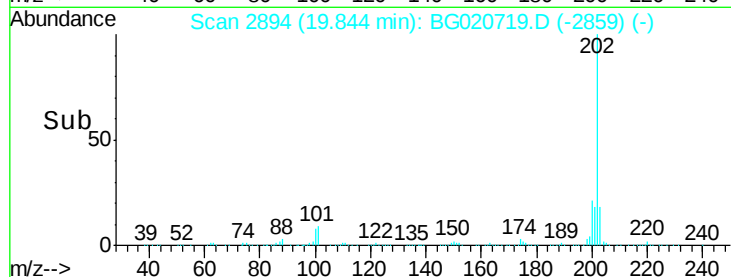
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



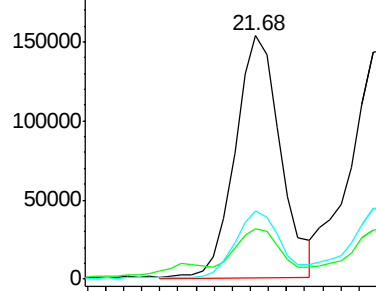
Time-->



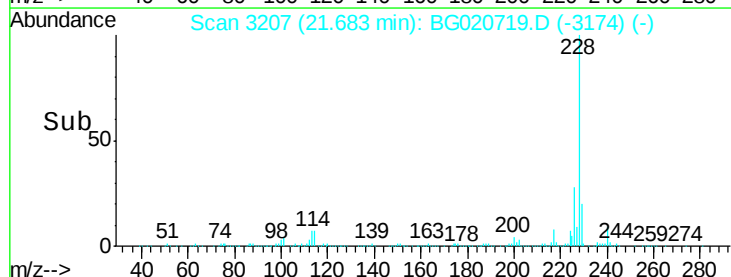
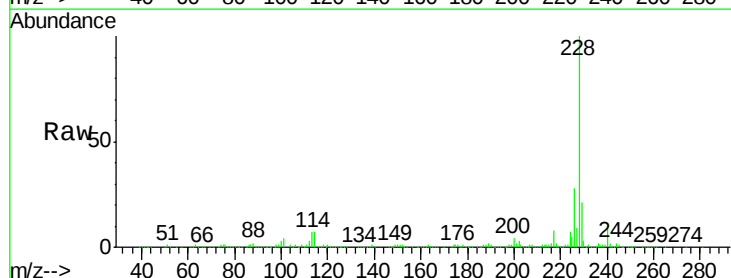
#83
Benzo(a)anthracene
Concen: 27.17 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG020719.D
Acq: 14 Jan 2016 3:31

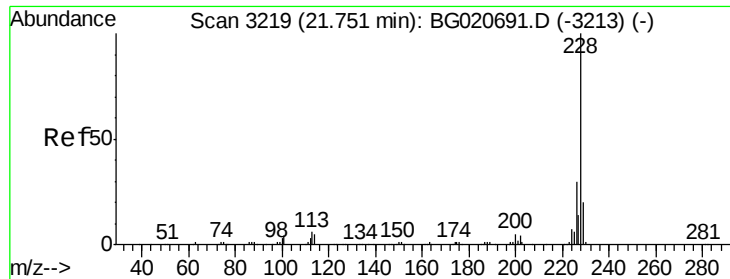
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.8	16.0	24.0
226	28.1	21.8	32.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#85

Chrysene

Concen: 29.39 ng/ul

RT: 21.75 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

Instrument :

BNA_G

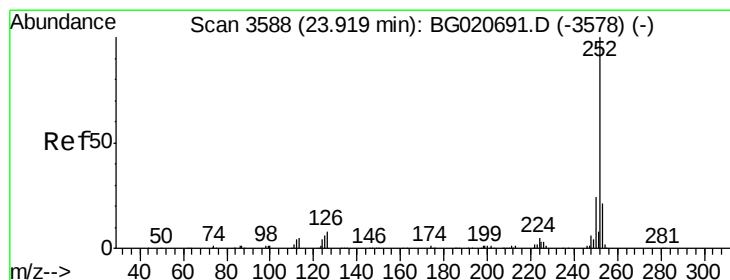
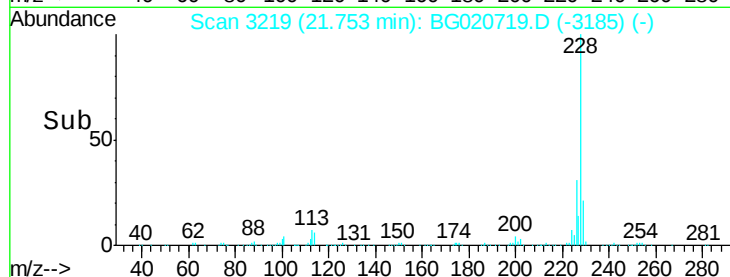
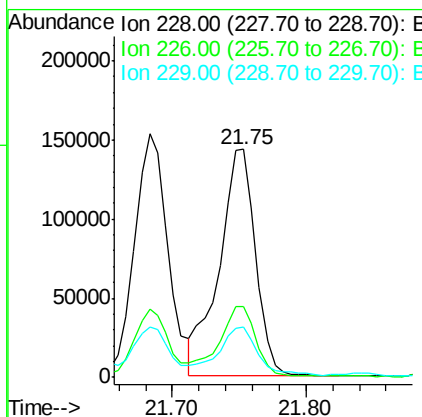
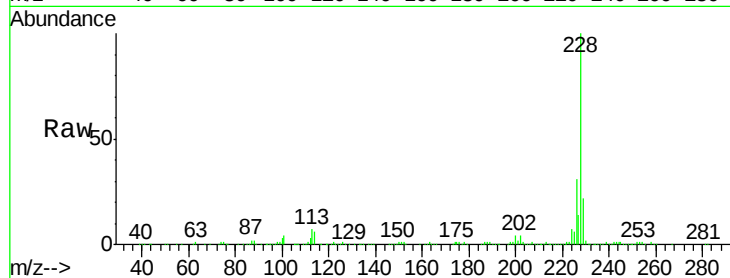
ClientSampleId :

BC933

Tgt Ion:	228	Resp:	273536
Ion Ratio		Lower	Upper
228	100		
226	31.3	24.1	36.1
229	22.3	16.0	24.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 32.45 ng/ul

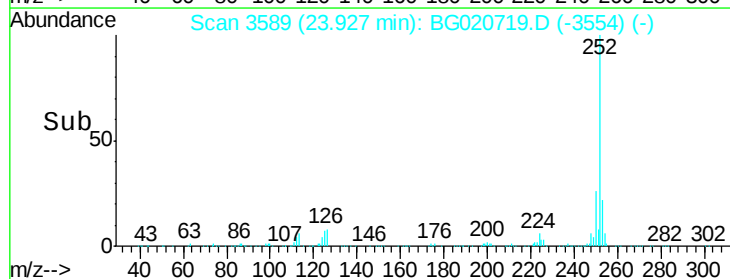
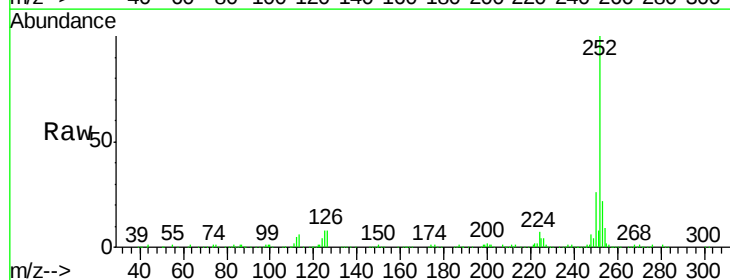
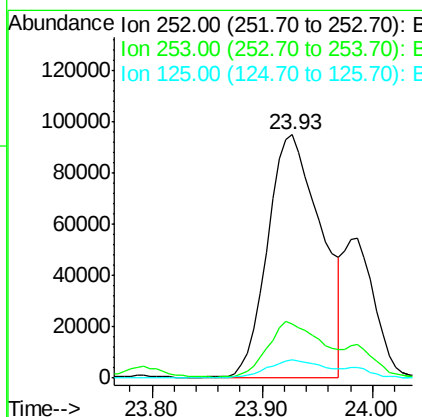
RT: 23.93 min Scan# 3589

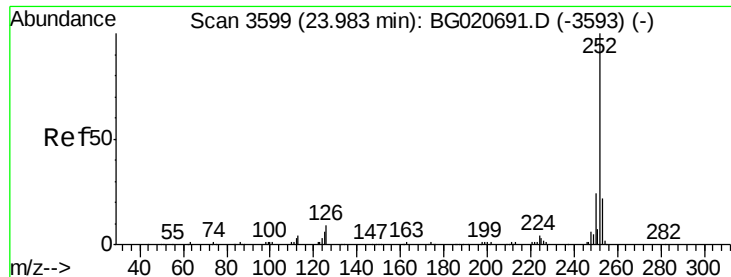
Delta R.T. 0.01 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

Tgt Ion:	252	Resp:	318524
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.4	26.0
125	7.5	4.9	7.3#





#89

Benzo(k)fluoranthene

Concen: 11.16 ng/ul m

RT: 23.99 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

Instrument :

BNA_G

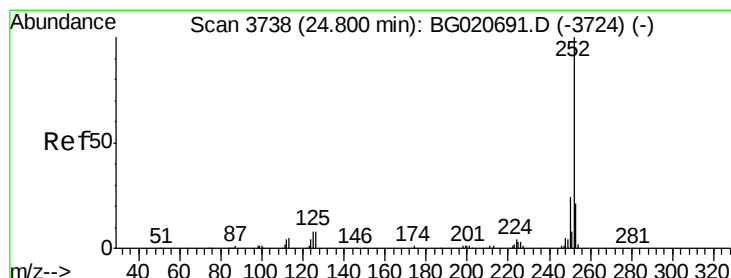
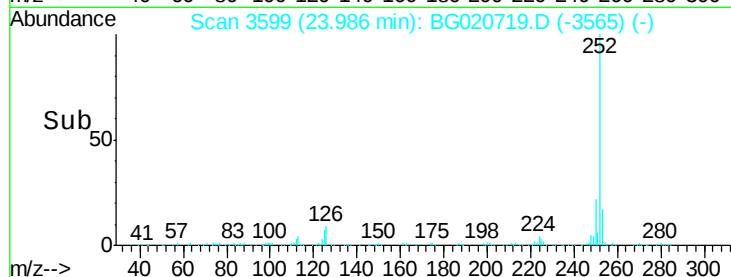
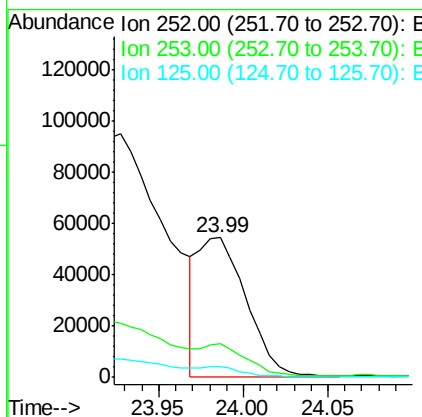
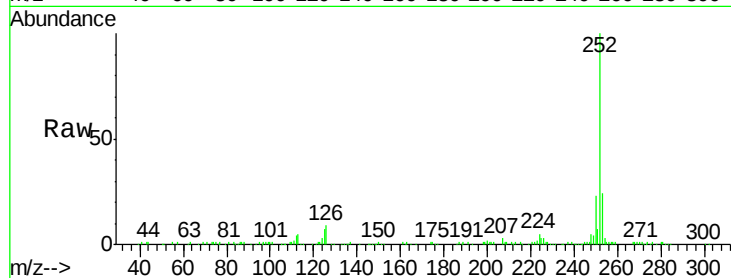
ClientSampleId :

BC933

Manual Integrations
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	7.4	5.4	8.0



#91

Benzo(a)pyrene

Concen: 25.41 ng/ul

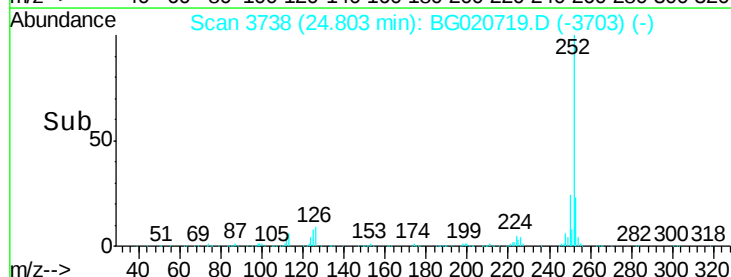
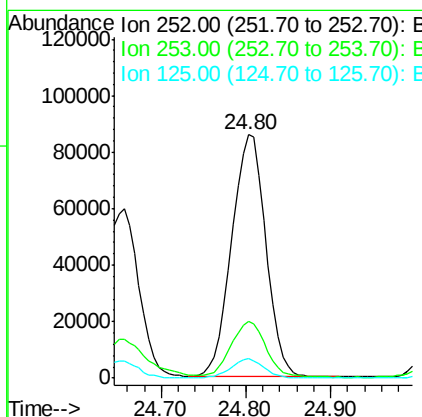
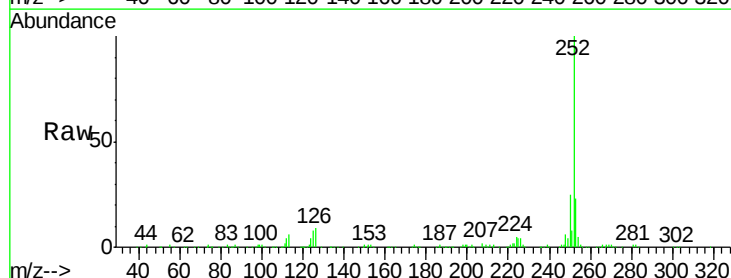
RT: 24.80 min Scan# 3738

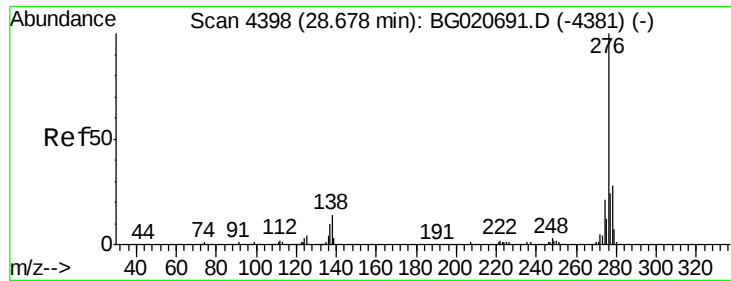
Delta R.T. 0.00 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	8.1	5.8	8.6





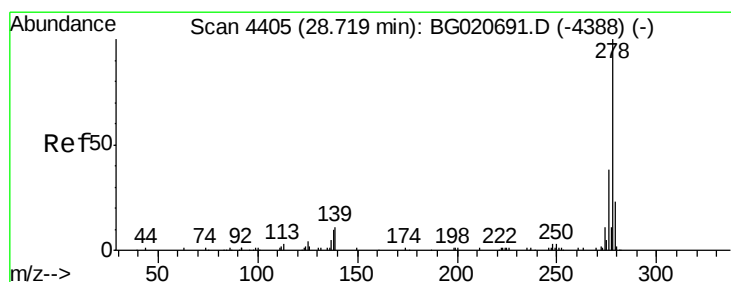
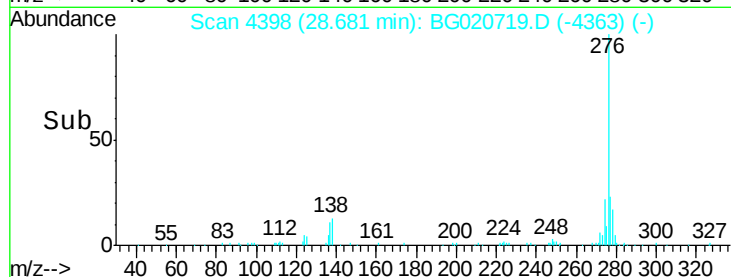
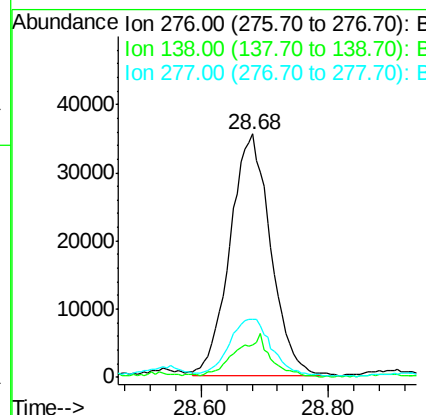
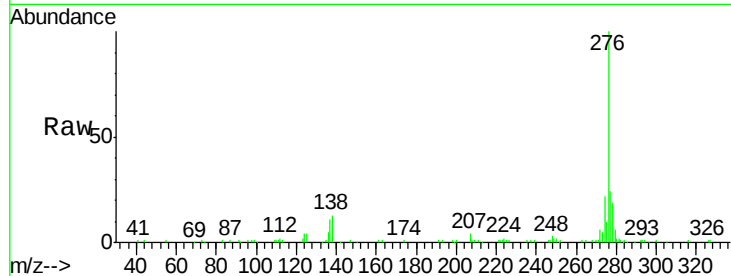
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 14.08 ng/ul
 RT: 28.68 min Scan# 4398
 Delta R.T. 0.00 min
 Lab File: BG020719.D
 Acq: 14 Jan 2016 3:31

Instrument :
 BNA_G
 ClientSampleId :
 BC933

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.1	10.9	16.3
277	23.8	18.9	28.3

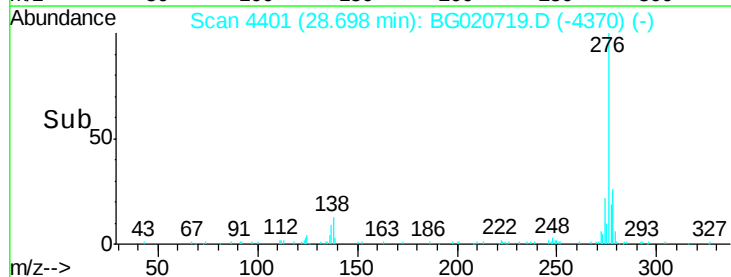
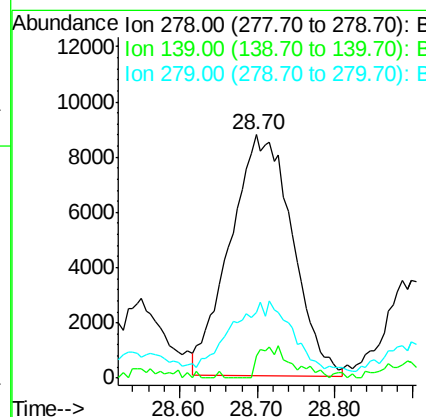
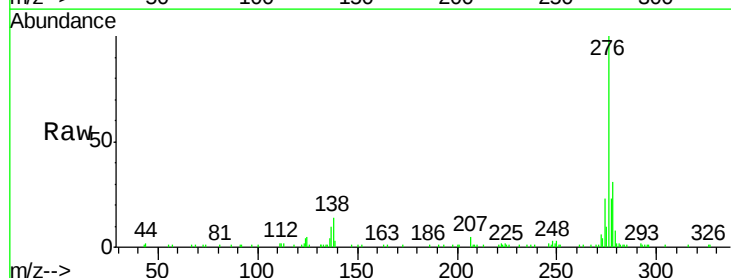
Manual Integrations
 APPROVED

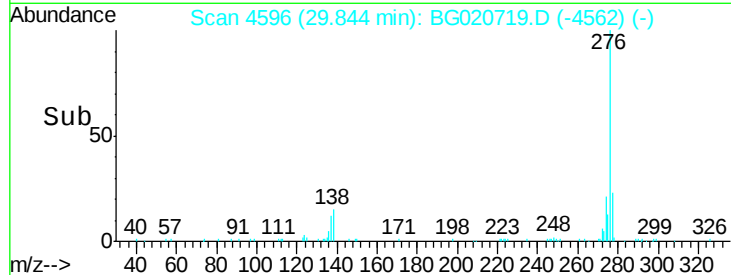
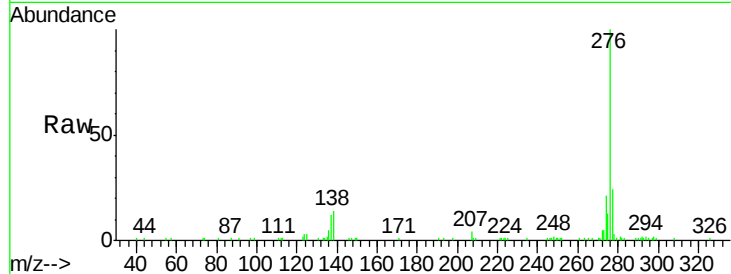
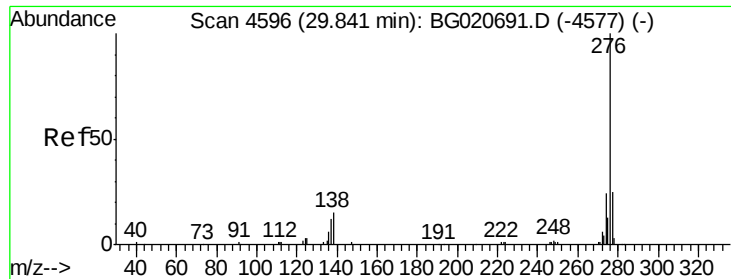
MMdadoda
 1/14/2016 5:57:45 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 5.29 ng/ul m
 RT: 28.70 min Scan# 4401
 Delta R.T. -0.02 min
 Lab File: BG020719.D
 Acq: 14 Jan 2016 3:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	9.1	9.0	13.4
279	27.0	19.1	28.7





#94

Benzo(g,h,i)perylene

Concen: 15.98 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. 0.00 min

Lab File: BG020719.D

Acq: 14 Jan 2016 3:31

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	146933		
138	14.4	11.2	16.8	
277	24.1	19.0	28.6	

Instrument :

BNA_G

ClientSampleId :

BC933

Manual Integrations
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