

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
 Data File : BG020725.D
 Acq On : 14 Jan 2016 7:25
 Operator : SJ/IZ
 Sample : H1096-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC939

Manual Integrations
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MMdadoda
 1/14/2016 5:57:53 PM

Quant Time: Jan 14 11:36:17 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	21950	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	95850	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	65040	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	155940	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	183203	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	176949	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	1142	2.54	ng/uL	0.00
5) Phenol-d5	7.21	99	30389	16.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	19596	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	26672	18.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	22686	14.30	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	14569	19.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	16753	19.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	30508	18.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	24826	14.99	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	106606	18.78	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	126901	19.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	8328	10.93	ng/ul	0.00
58) Fluorene-d10	15.67	176	98546	19.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	12996	15.32	ng/ul	0.00
71) Anthracene-d10	17.53	188	151808	19.86	ng/ul	0.00
79) Pyrene-d10	19.81	212	173103	19.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	185169	19.63	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.91	128	6830	1.26	ng/ul#	92
45) Dimethylphthalate	14.13	163	41396	6.79	ng/ul	100
50) Acenaphthene	14.74	153	5996	1.29	ng/ul	95
59) Fluorene	15.72	166	7407	1.30	ng/ul	96
70) Phenanthrene	17.47	178	229031	24.69	ng/ul	99
72) Anthracene	17.56	178	26282	2.81	ng/ul	99
77) Fluoranthene	19.48	202	436560	38.71	ng/ul	99
80) Pyrene	19.85	202	643352	55.38	ng/ul	99
83) Benzo(a)anthracene	21.69	228	289139m	25.30	ng/ul	
85) Chrysene	21.75	228	343196	31.76	ng/ul	96
88) Benzo(b)fluoranthene	23.93	252	316053	27.73	ng/ul	99
89) Benzo(k)fluoranthene	23.99	252	100346m	8.91	ng/ul	
91) Benzo(a)pyrene	24.81	252	282610	25.76	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.69	276	173003	13.37	ng/ul	97
93) Dibenzo(a,h)anthracene	28.72	278	57020m	5.35	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	177104	16.59	ng/ul	99

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

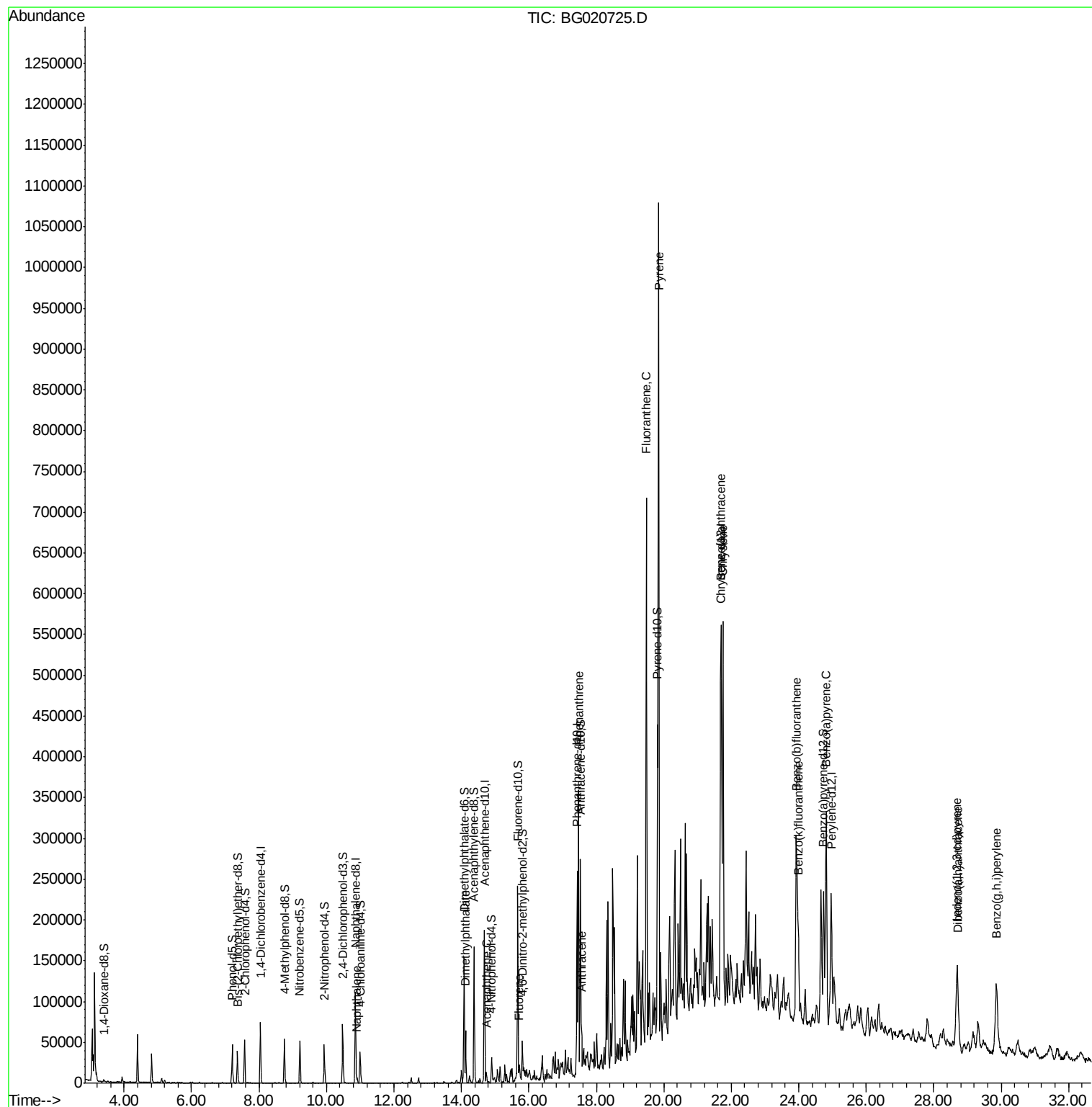
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

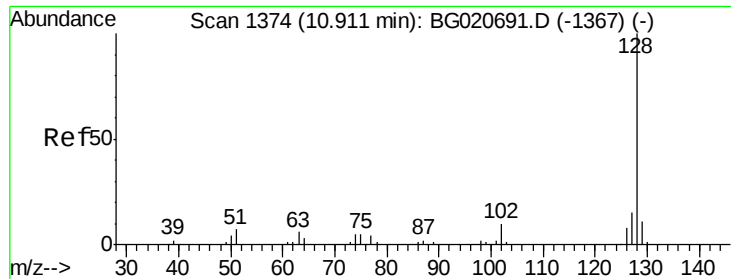
Instrument :
BNA_G
ClientSampleId :
BC939

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Quant Time: Jan 14 11:36:17 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





#28

Naphthalene

Concen: 1.26 ng/ul

RT: 10.91 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BG020725.D

Acq: 14 Jan 2016 7:25

Instrument :

BNA_G

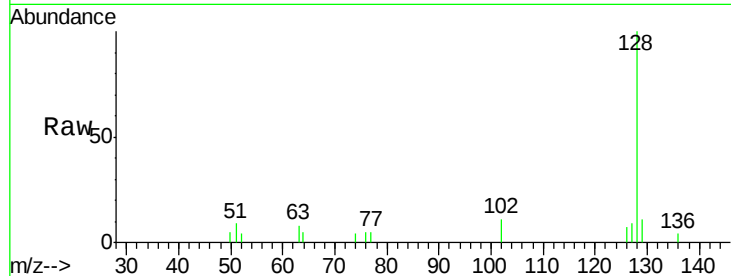
ClientSampled :

BC939

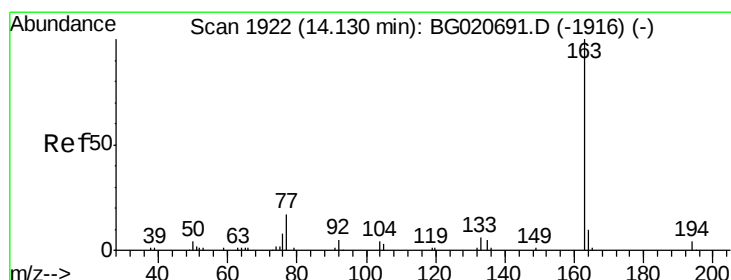
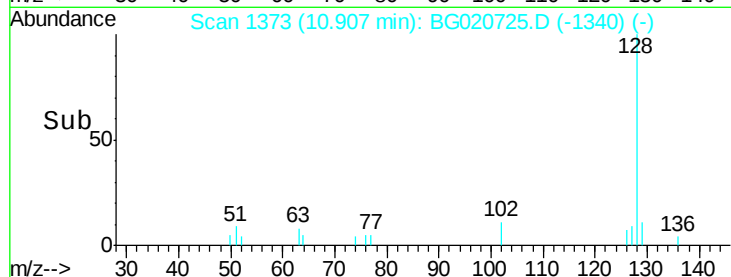
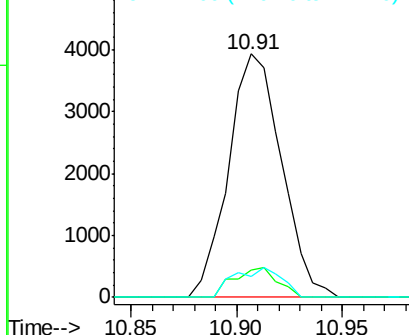
Tgt Ion:	128	Resp:	6830
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.3	12.5
127	8.6	10.8	16.2#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 6.79 ng/ul

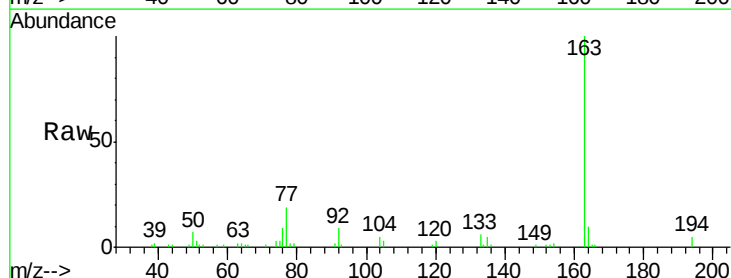
RT: 14.13 min Scan# 1921

Delta R.T. -0.00 min

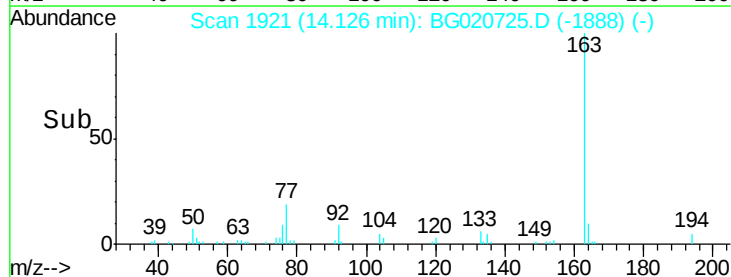
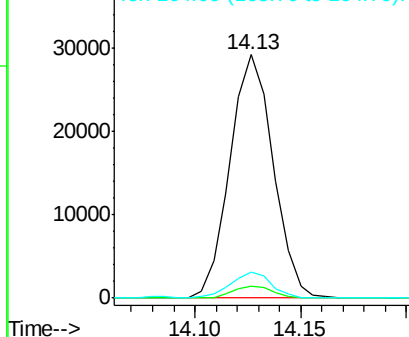
Lab File: BG020725.D

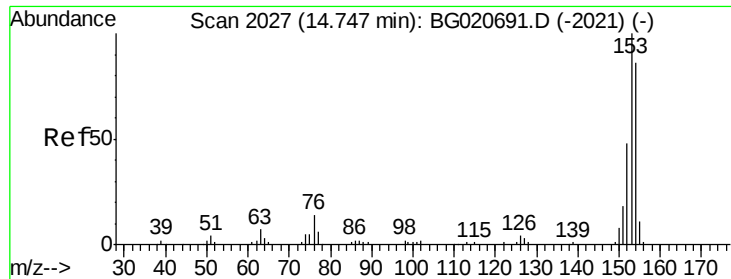
Acq: 14 Jan 2016 7:25

Tgt Ion:	163	Resp:	41396
Ion Ratio	Lower	Upper	
163	100		
194	4.7	4.0	6.0
164	10.4	8.4	12.6



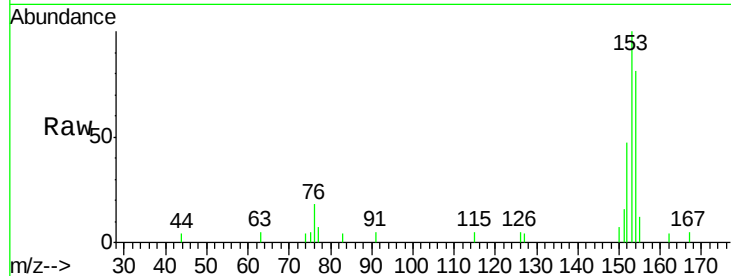
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50
Acenaphthene
Concen: 1.29 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

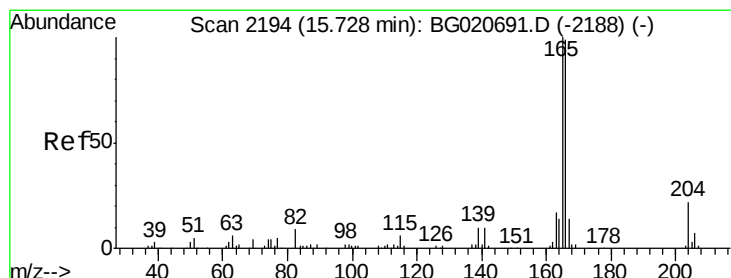
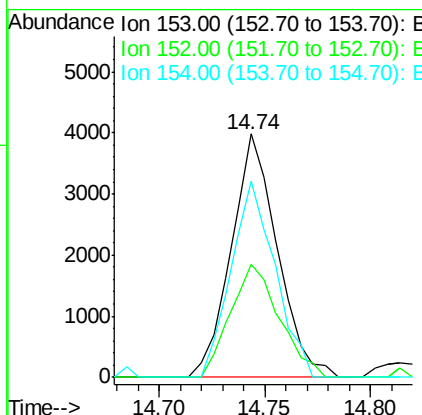
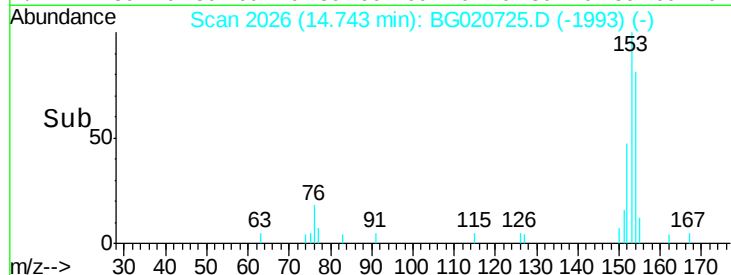
Instrument :
BNA_G
ClientSampled :
BC939



Tgt Ion:153 Resp: 5996
Ion Ratio Lower Upper
153 100
152 46.6 37.9 56.9
154 80.7 69.8 104.6

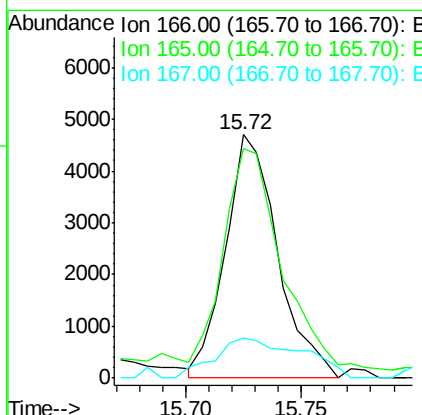
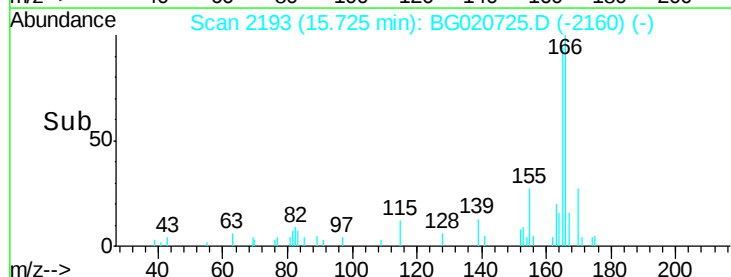
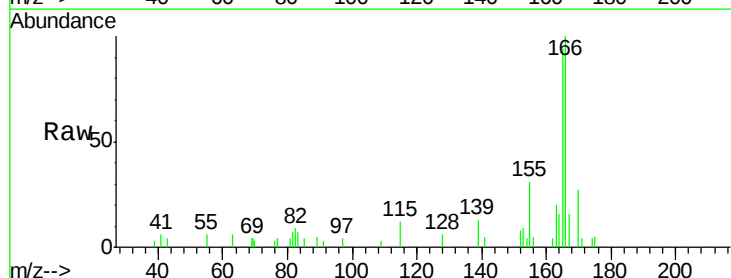
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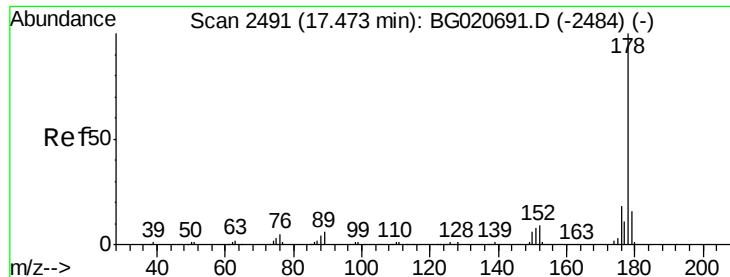
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#59
Fluorene
Concen: 1.30 ng/ul
RT: 15.72 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Tgt Ion:166 Resp: 7407
Ion Ratio Lower Upper
166 100
165 94.0 78.4 117.6
167 16.4 11.1 16.7





#70

Phenanthrene

Concen: 24.69 ng/ul

RT: 17.47 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BG020725.D

Acq: 14 Jan 2016 7:25

Instrument :

BNA_G

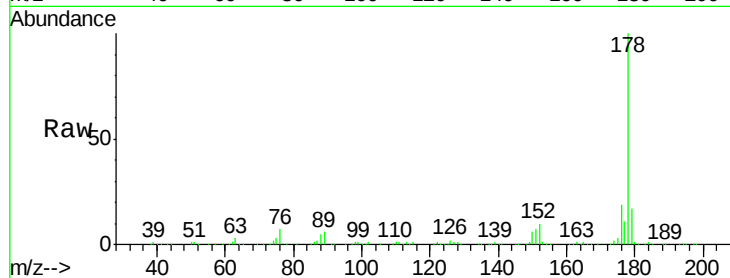
ClientSampleId :

BC939

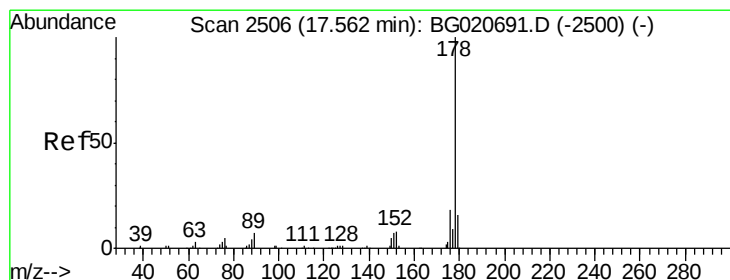
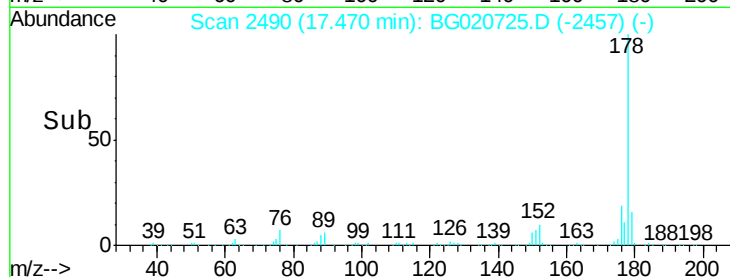
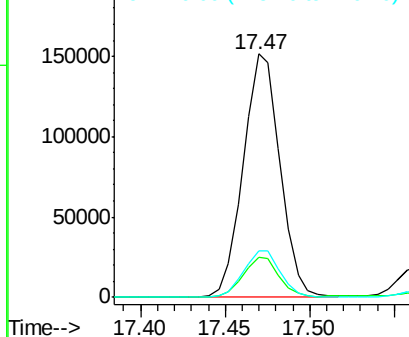
Tgt Ion:	178	Resp:	229031
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.3	18.5
176	19.2	15.4	23.0

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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



#72

Anthracene

Concen: 2.81 ng/ul

RT: 17.56 min Scan# 2506

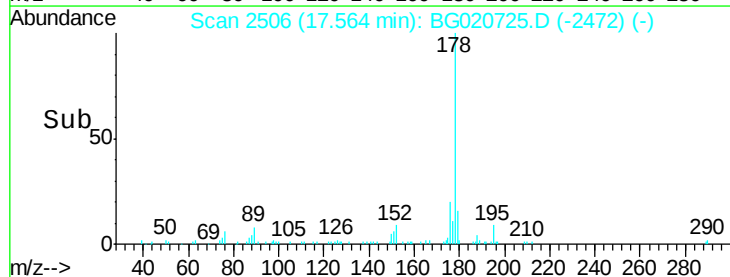
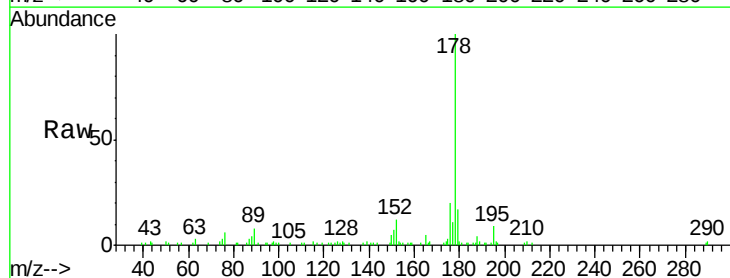
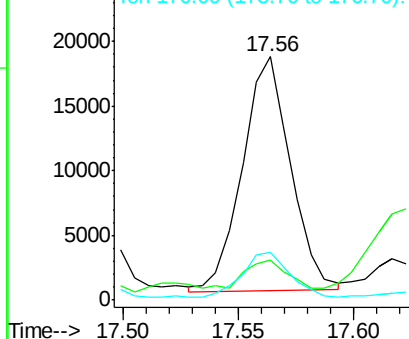
Delta R.T. 0.00 min

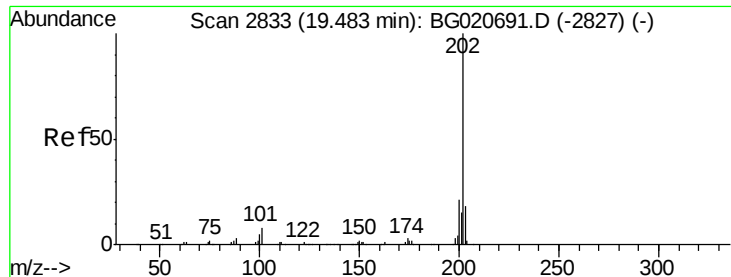
Lab File: BG020725.D

Acq: 14 Jan 2016 7:25

Tgt Ion:	178	Resp:	26282
Ion Ratio	Lower	Upper	
178	100		
179	16.6	13.4	20.2
176	19.8	15.4	23.0

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: 38.71 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG020725.D

Acq: 14 Jan 2016 7:25

Instrument :

BNA_G

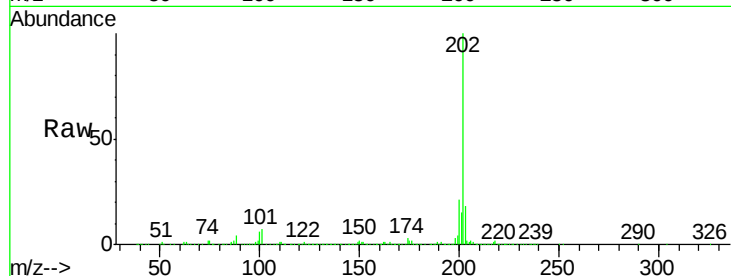
ClientSampleId :

BC939

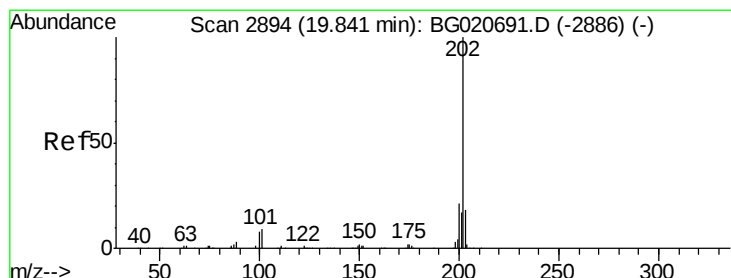
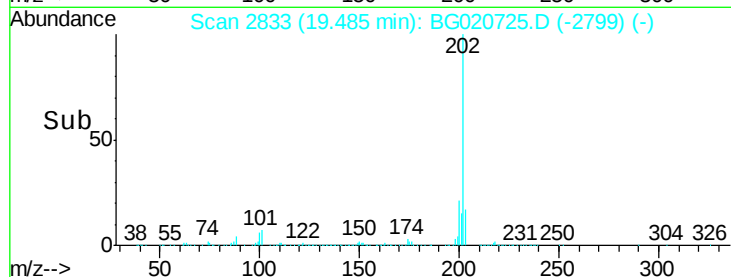
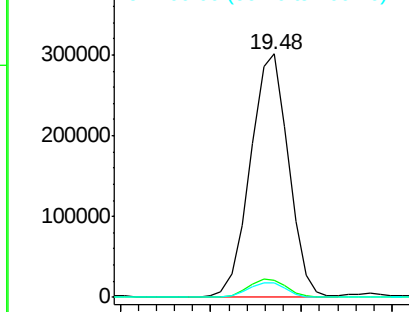
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		436560		
101	7.2	6.1	9.1		
100	5.9	4.6	7.0		

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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



#80

Pyrene

Concen: 55.38 ng/ul

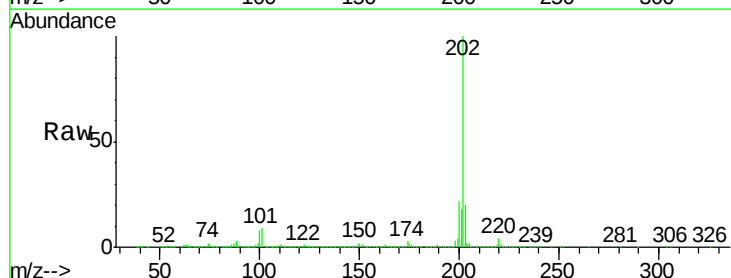
RT: 19.85 min Scan# 2895

Delta R.T. 0.01 min

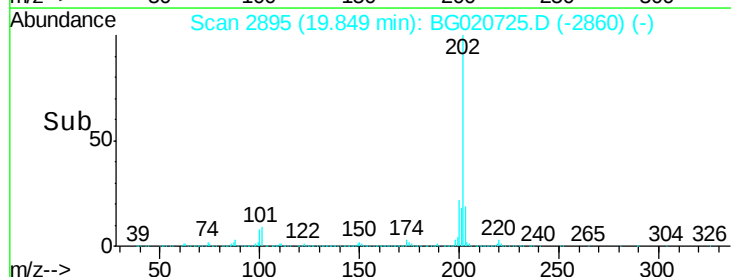
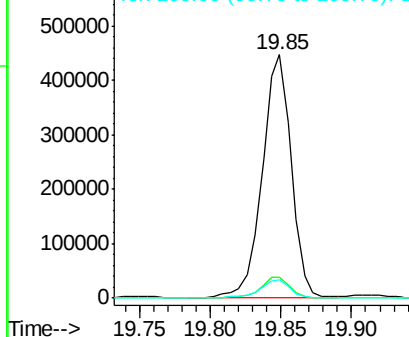
Lab File: BG020725.D

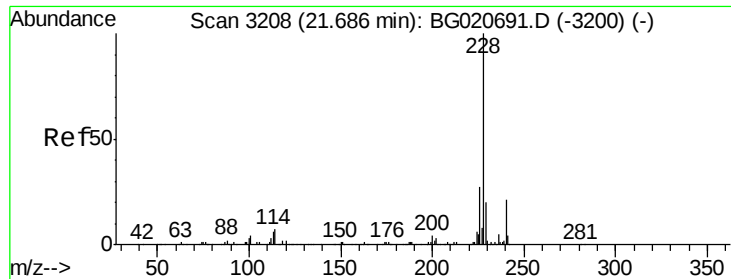
Acq: 14 Jan 2016 7:25

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		643352		
101	8.7	6.9	10.3		
100	7.6	5.6	8.4		



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





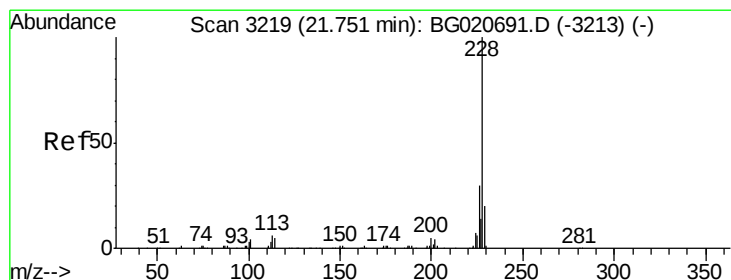
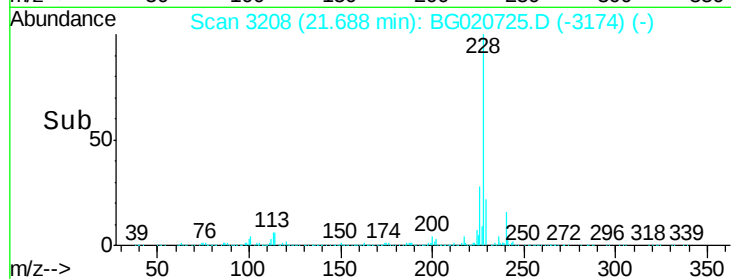
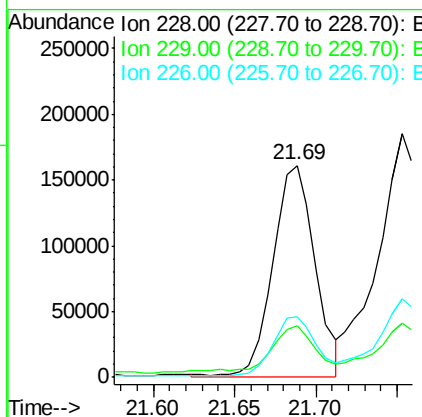
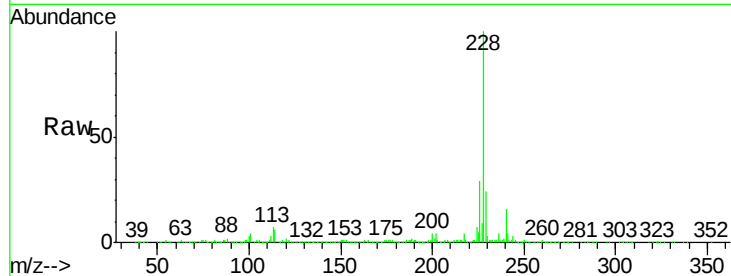
#83
Benzo(a)anthracene
Concen: 25.30 ng/ul m
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Instrument :
BNA_G
ClientSampleId :
BC939

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	289139		
229	24.2	16.0	24.0#	
226	28.6	21.8	32.8	

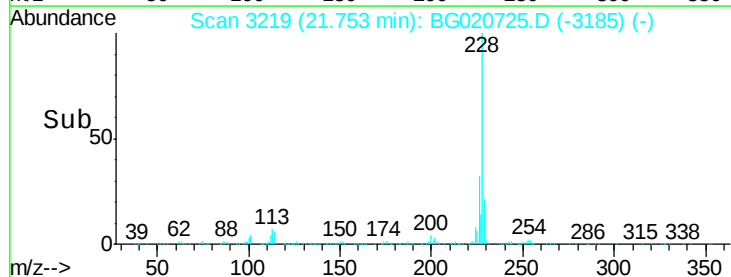
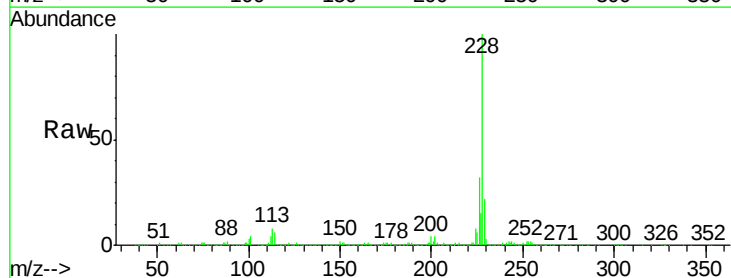
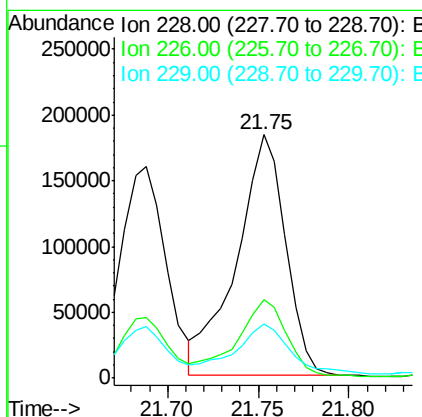
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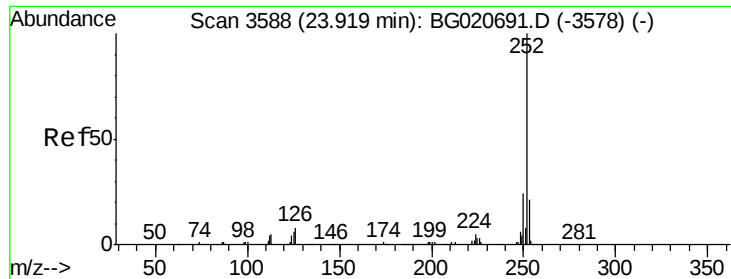
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#85
Chrysene
Concen: 31.76 ng/ul
RT: 21.75 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	343196		
226	32.1	24.1	36.1	
229	22.5	16.0	24.0	





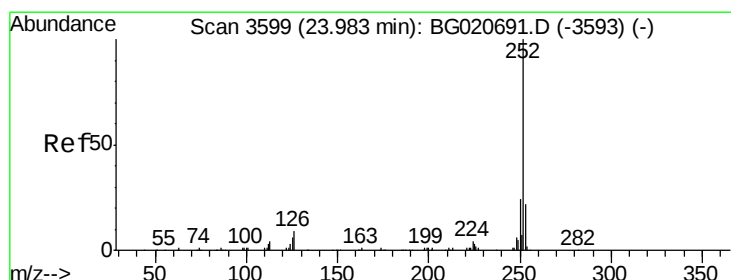
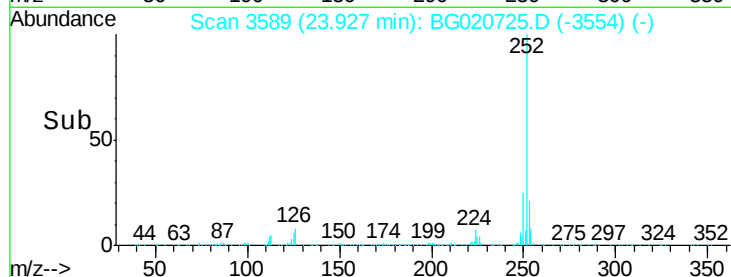
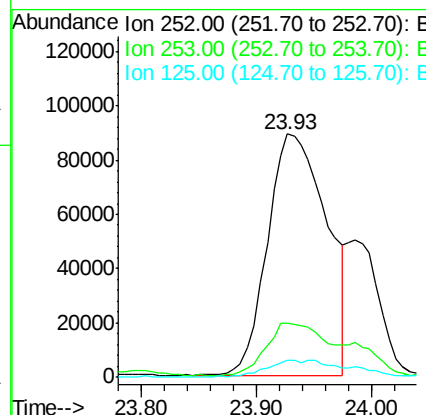
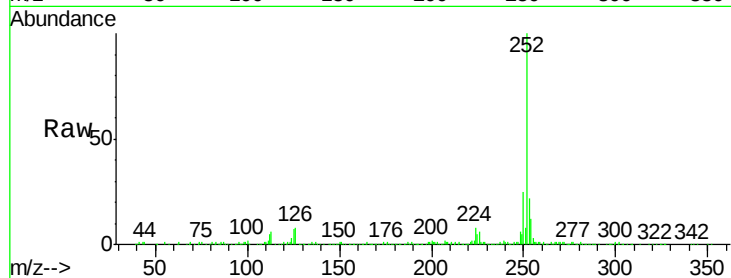
#88
 Benzo(b)fluoranthene
 Concen: 27.73 ng/ul
 RT: 23.93 min Scan# 3589
 Delta R.T. 0.01 min
 Lab File: BG020725.D
 Acq: 14 Jan 2016 7:25

Instrument :
 BNA_G
 ClientSampleId :
 BC939

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	6.8	4.9	7.3

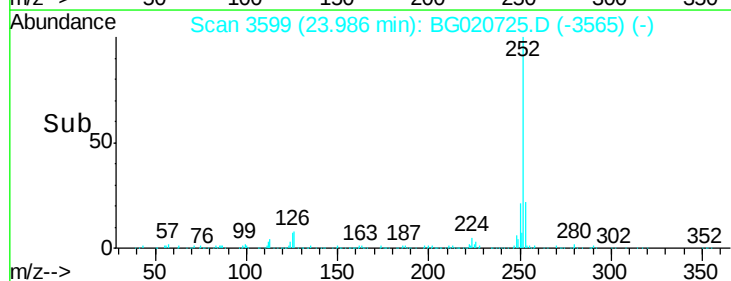
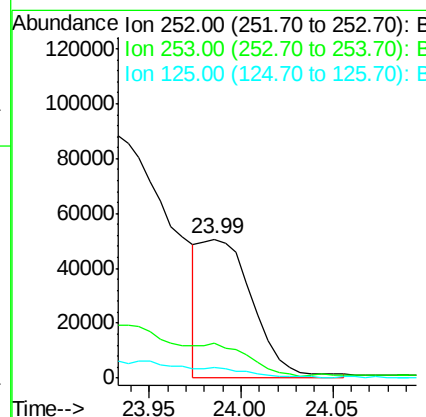
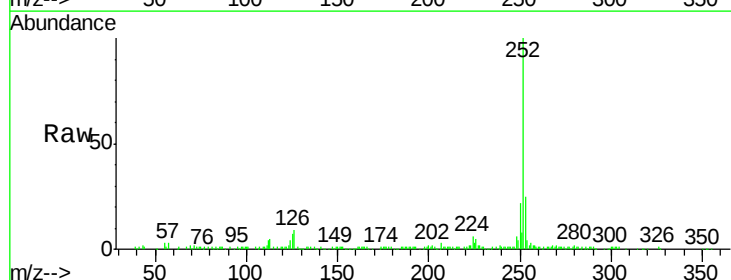
Manual Integrations
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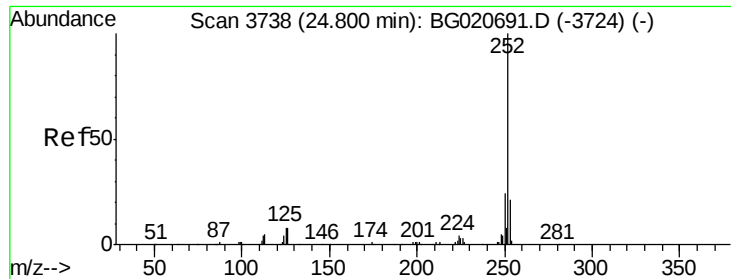
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#89
 Benzo(k)fluoranthene
 Concen: 8.91 ng/ul m
 RT: 23.99 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: BG020725.D
 Acq: 14 Jan 2016 7:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	7.4	5.4	8.0





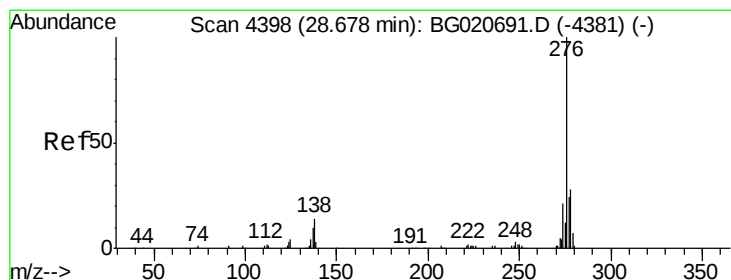
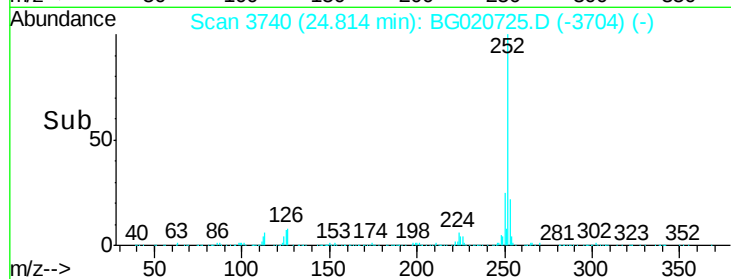
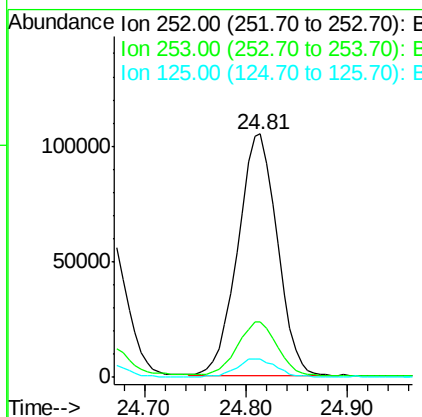
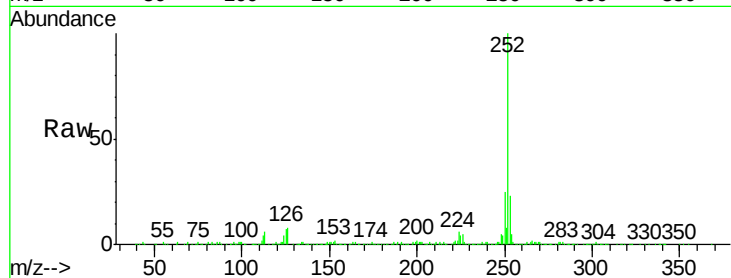
#91
Benzo(a)pyrene
Concen: 25.76 ng/ul
RT: 24.81 min Scan# 3740
Delta R.T. 0.01 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Instrument :
BNA_G
ClientSampleId :
BC939

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	17.2	25.8
125	7.5	5.8	8.6

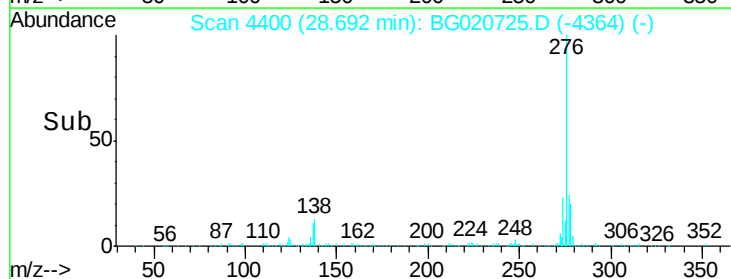
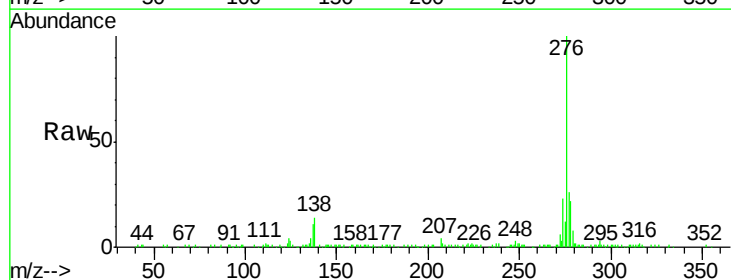
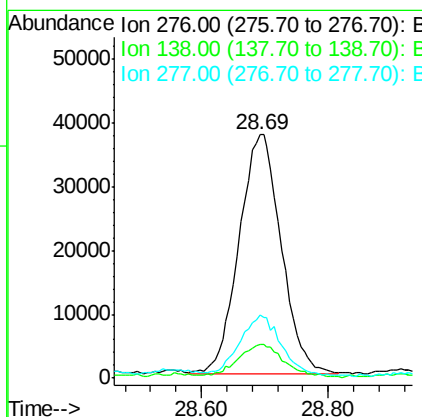
Manual Integrations
APPROVED

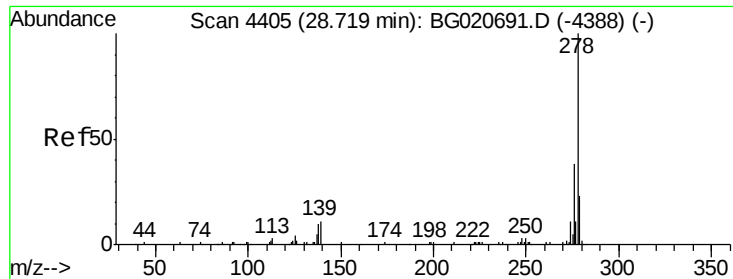
MMdadoda
1/14/2016 5:57:53 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 13.37 ng/ul
RT: 28.69 min Scan# 4400
Delta R.T. 0.01 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.7	10.9	16.3
277	25.8	18.9	28.3





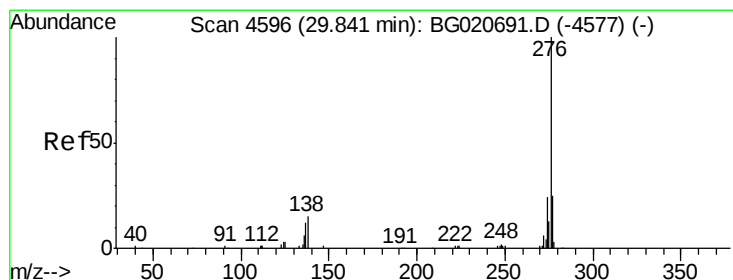
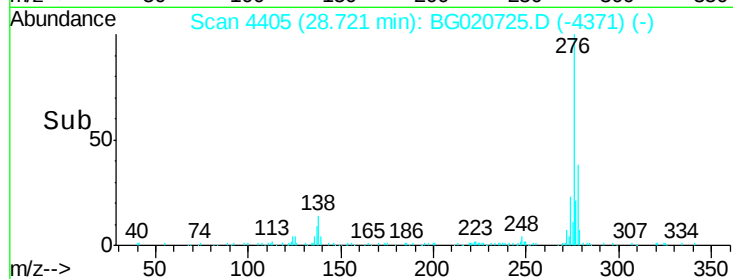
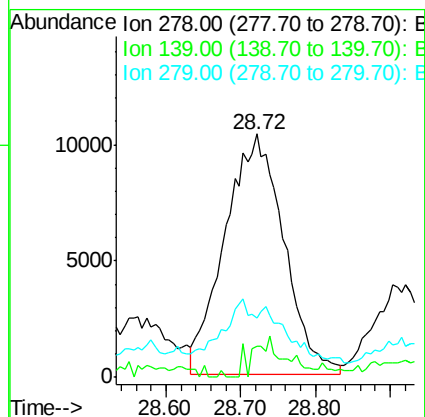
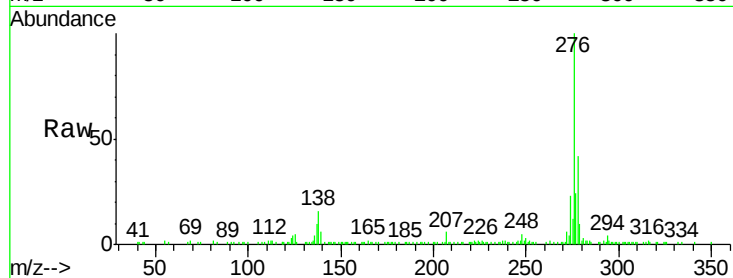
#93
Dibenzo(a,h)anthracene
Concen: 5.35 ng/ul m
RT: 28.72 min Scan# 4405
Delta R.T. 0.00 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Instrument :
BNA_G
ClientSampleId :
BC939

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.0	13.4
279	24.5	19.1	28.7

Manual Integrations
APPROVED

MMdadoda
1/14/2016 5:57:53 PM



#94
Benzo(g,h,i)perylene
Concen: 16.59 ng/ul
RT: 29.86 min Scan# 4598
Delta R.T. 0.01 min
Lab File: BG020725.D
Acq: 14 Jan 2016 7:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	11.2	16.8
277	23.1	19.0	28.6

