

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020753.D
 Acq On : 15 Jan 2016 15:22
 Operator : SJ/IZ
 Sample : H1101-15 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9F6

Manual Integrations
 APPROVED

Sohil
 1/16/2016 3:03:17 AM

Quant Time: Jan 15 23:58:00 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 15 22:12:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	18670	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	78566	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	54544	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	131447	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	154163	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	148819	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	1841	1.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	1167	1.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	1935	1.54	ng/ul	0.01
13) 4-Methylphenol-d8	8.76	113	1531	1.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	911m	1.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	863	1.20	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.49	165	1920	1.40	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.08	166	8050	1.69	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	9332	1.75	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	7616	1.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.53	188	12176	1.89	ng/ul	0.00
79) Pyrene-d10	19.81	212	14336	1.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.72	264	14480	1.83	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.91	128	7181	1.62	ng/ul	95
34) 2-Methylnaphthalene	12.52	142	3599	1.09	ng/ul	86
50) Acenaphthene	14.74	153	7734	1.99	ng/ul	93
59) Fluorene	15.73	166	12045	2.52	ng/ul	94
70) Phenanthrene	17.47	178	236891	30.29	ng/ul	99
72) Anthracene	17.56	178	29985	3.80	ng/ul	99
75) Carbazole	17.83	167	15653	2.42	ng/ul#	93
77) Fluoranthene	19.48	202	354548	37.29	ng/ul	99
80) Pyrene	19.84	202	399351	40.85	ng/ul	98
83) Benzo(a)anthracene	21.68	228	195802	20.36	ng/ul	97
85) Chrysene	21.75	228	210932	23.20	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	206847	21.58	ng/ul	97
89) Benzo(k)fluoranthene	23.98	252	71115m	7.51	ng/ul	
91) Benzo(a)pyrene	24.80	252	169601	18.38	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.68	276	103176	9.48	ng/ul	99
93) Dibenzo(a,h)anthracene	28.70	278	30787	3.43	ng/ul#	89
94) Benzo(g,h,i)perylene	29.85	276	109763m	12.22	ng/ul	

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

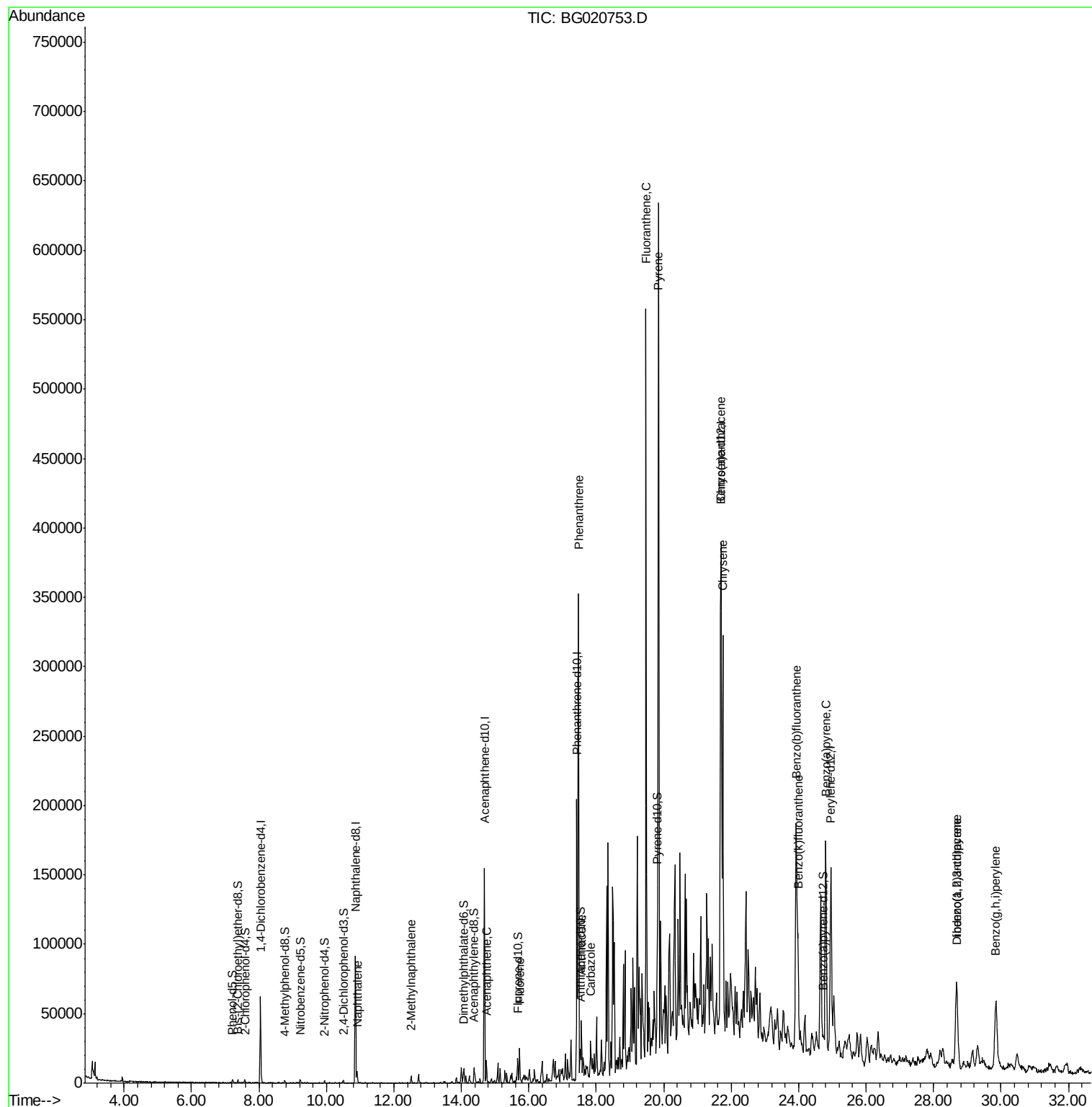
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020753.D
Acq On : 15 Jan 2016 15:22
Operator : SJ/IZ
Sample : H1101-15 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

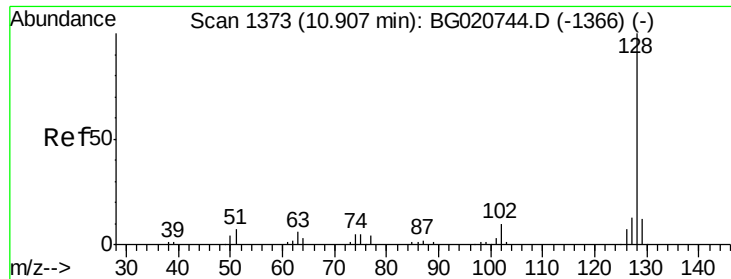
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jan 15 23:58:00 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.62 ng/ul

RT: 10.91 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

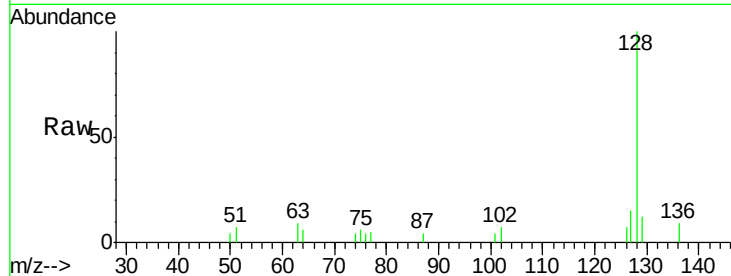
ClientSampled :

BC9F6

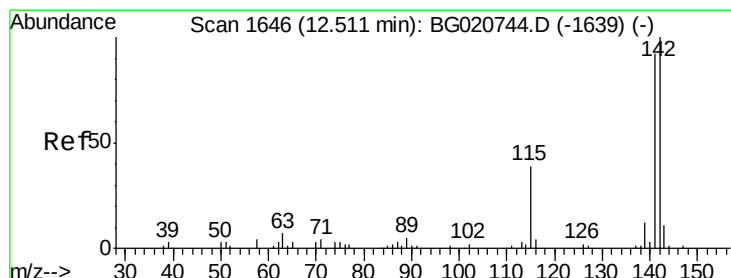
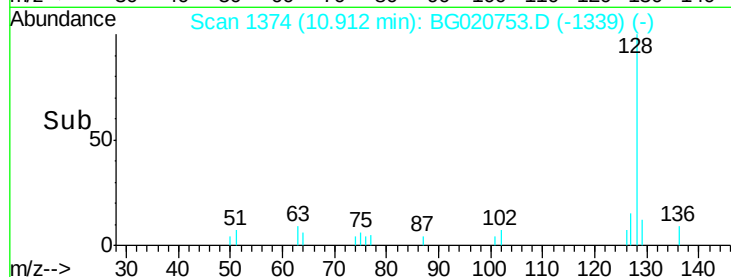
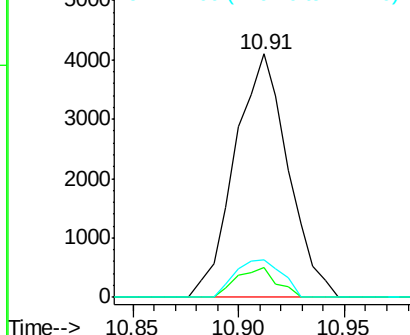
Tgt Ion:	128	Resp:	7181
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.3	12.5
127	15.5	10.8	16.2

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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



#34

2-Methylnaphthalene

Concen: 1.09 ng/ul

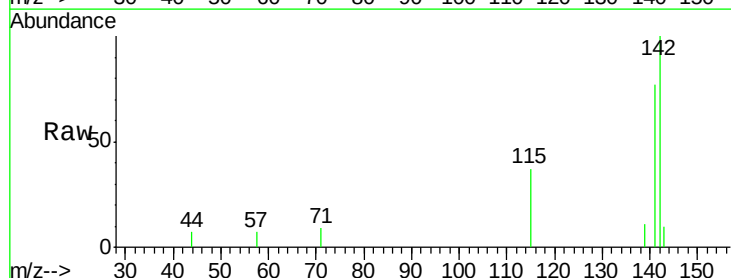
RT: 12.52 min Scan# 1647

Delta R.T. 0.00 min

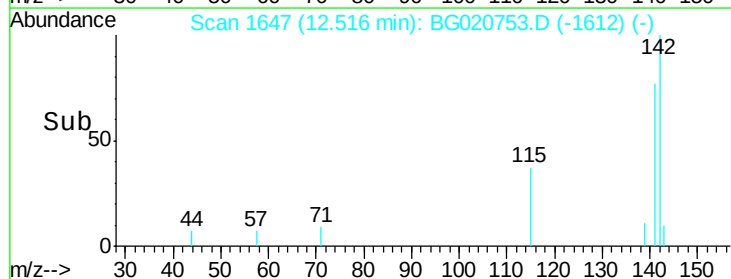
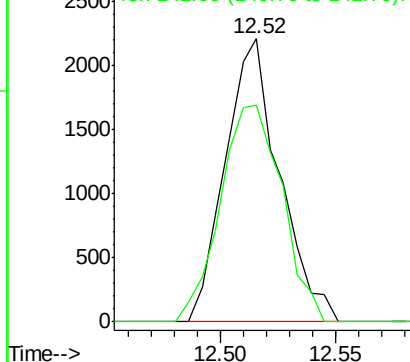
Lab File: BG020753.D

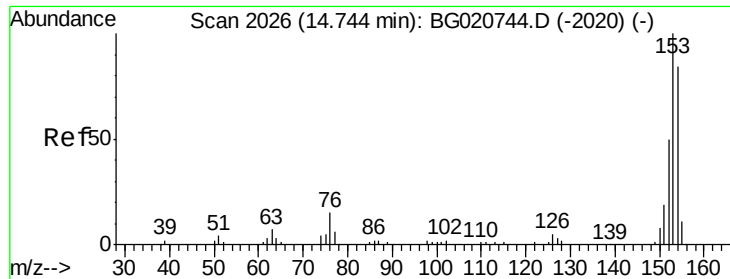
Acq: 15 Jan 2016 15:22

Tgt Ion:	142	Resp:	3599
Ion Ratio	Lower	Upper	
142	100		
141	76.6	71.4	107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#50

Acenaphthene

Concen: 1.99 ng/ul

RT: 14.74 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BG020753.D

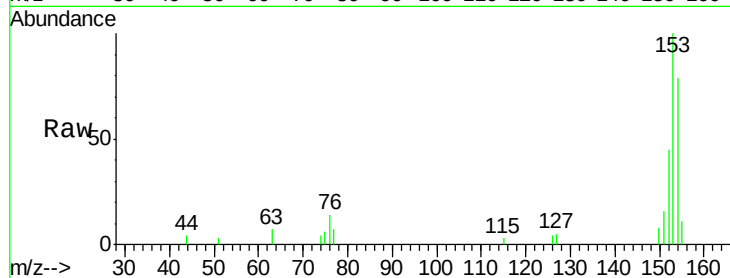
Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

ClientSampleId :

BC9F6



Tgt Ion:153 Resp: 7734

Ion Ratio Lower Upper

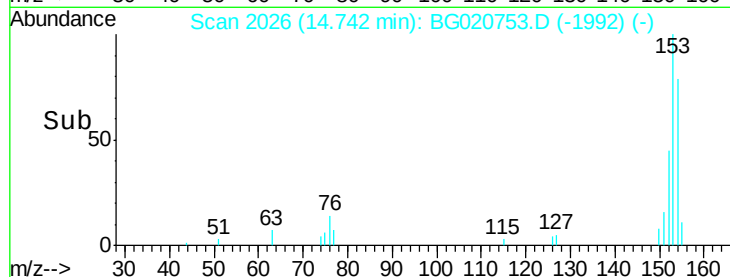
153 100

152 44.8 37.9 56.9

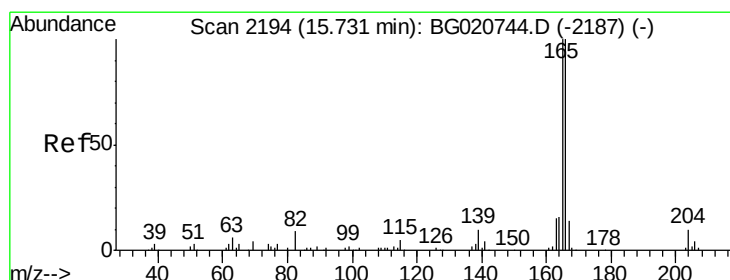
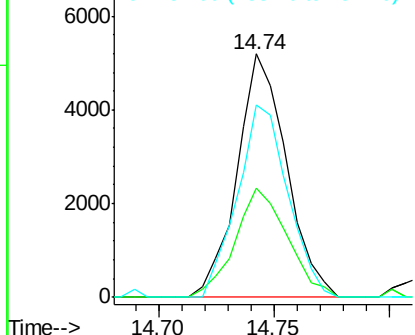
154 79.2 69.8 104.6

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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: 2.52 ng/ul

RT: 15.73 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

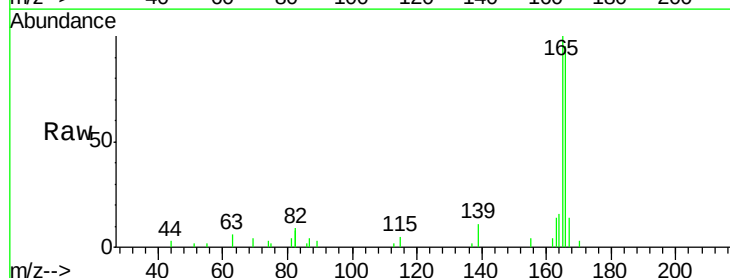
Tgt Ion:166 Resp: 12045

Ion Ratio Lower Upper

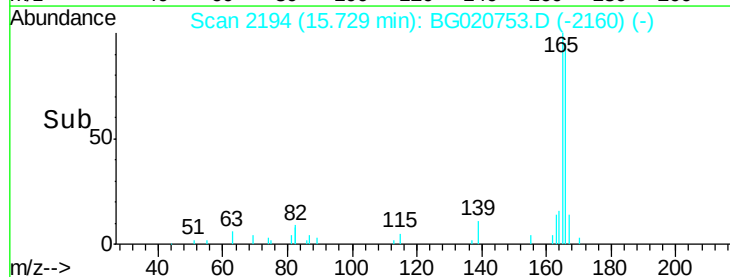
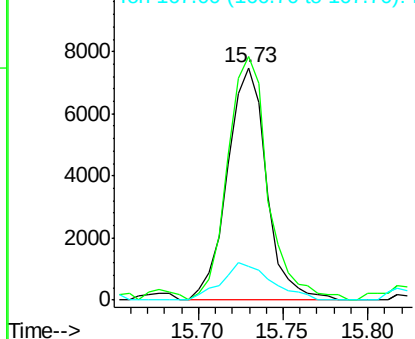
166 100

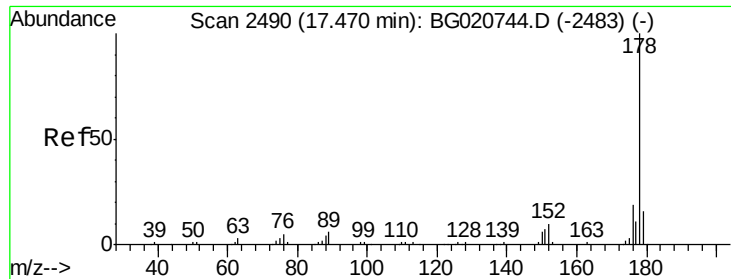
165 104.9 78.4 117.6

167 14.7 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: 30.29 ng/ul

RT: 17.47 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

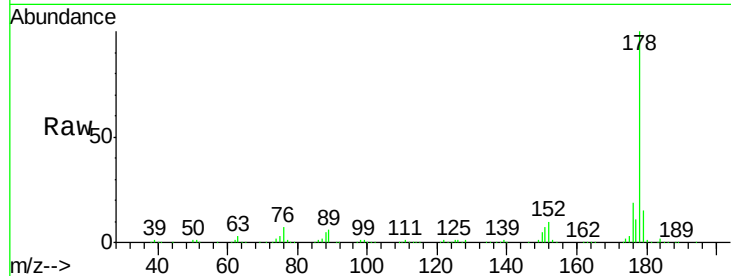
ClientSampleId :

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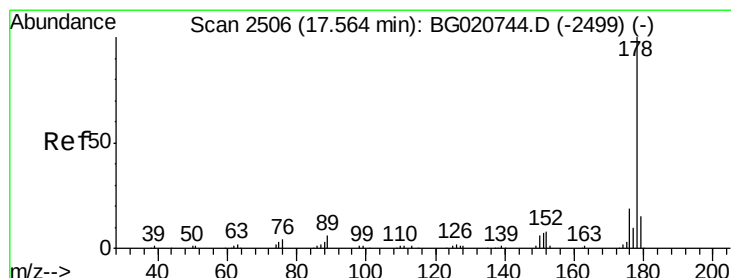
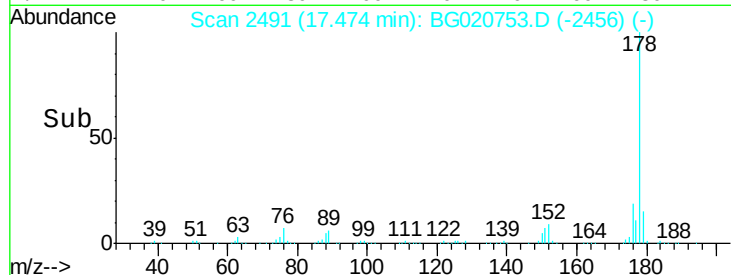
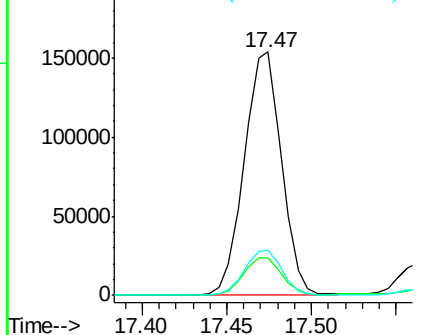
Tgt Ion:	178	Resp:	236891
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.3	18.5
176	18.8	15.4	23.0

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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: 3.80 ng/ul

RT: 17.56 min Scan# 2506

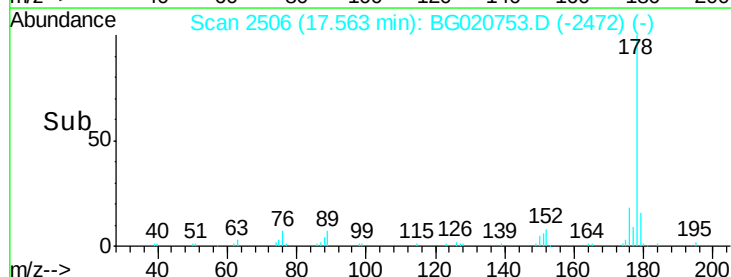
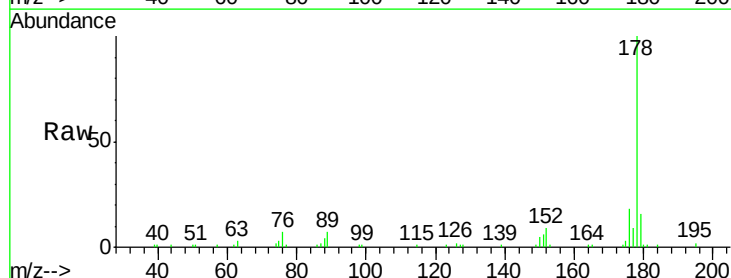
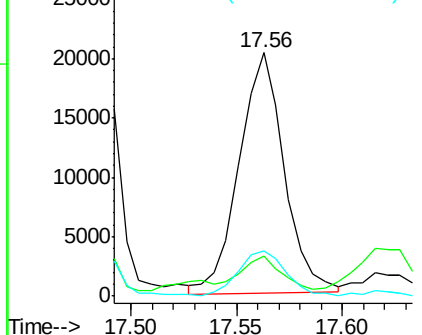
Delta R.T. -0.00 min

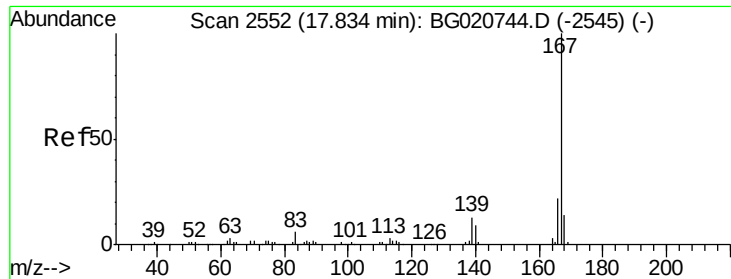
Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Tgt Ion:	178	Resp:	29985
Ion Ratio	Lower	Upper	
178	100		
179	16.5	13.4	20.2
176	18.3	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





#75

Carbazole

Concen: 2.42 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. -0.00 min

Lab File: BG020753.D

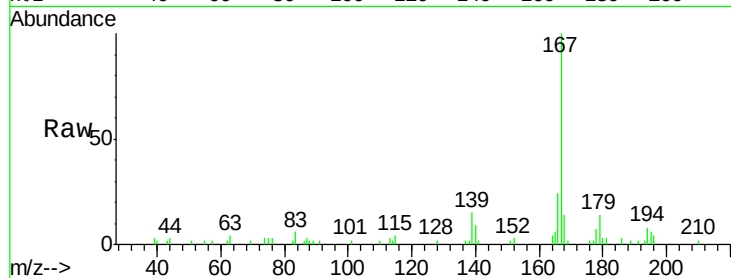
Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

ClientSampleId :

BC9F6



Tgt Ion:167 Resp: 15653

Ion Ratio Lower Upper

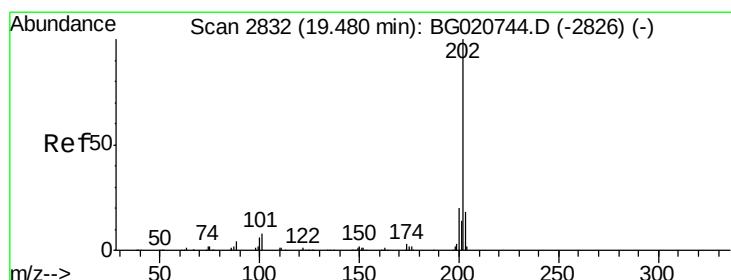
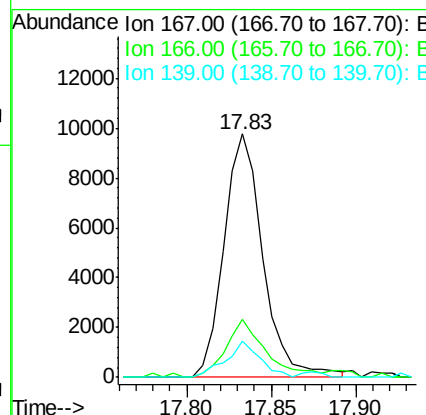
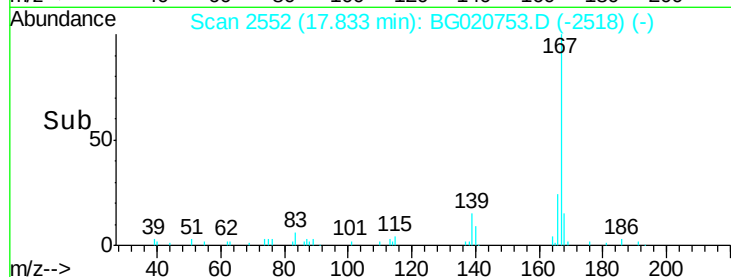
167 100

166 23.9 17.0 25.4

139 14.8 9.1 13.7#

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#77

Fluoranthene

Concen: 37.29 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

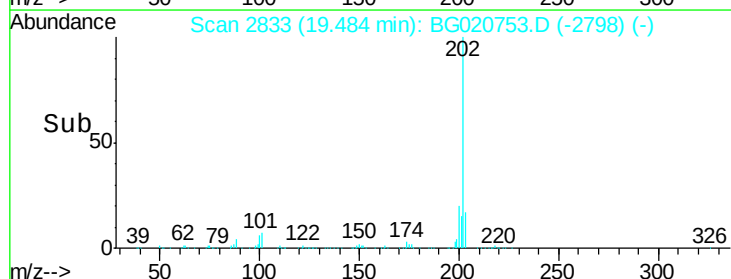
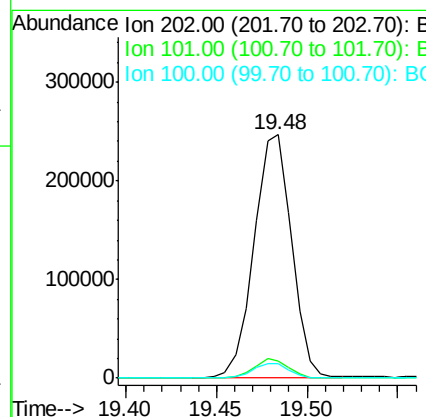
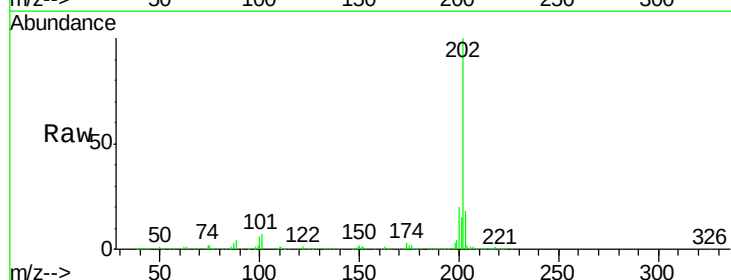
Tgt Ion:202 Resp: 354548

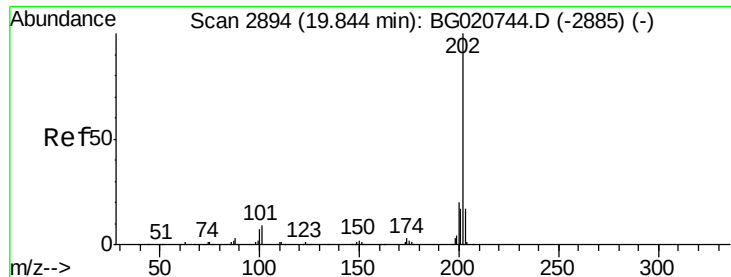
Ion Ratio Lower Upper

202 100

101 7.1 6.1 9.1

100 5.9 4.6 7.0





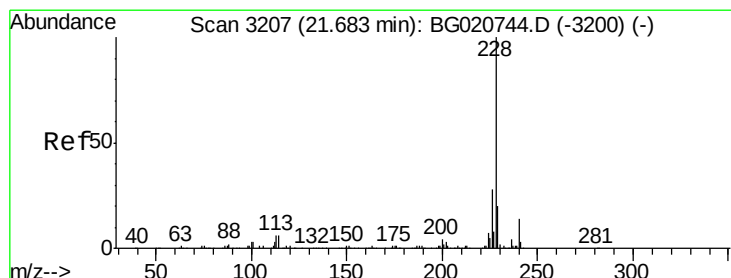
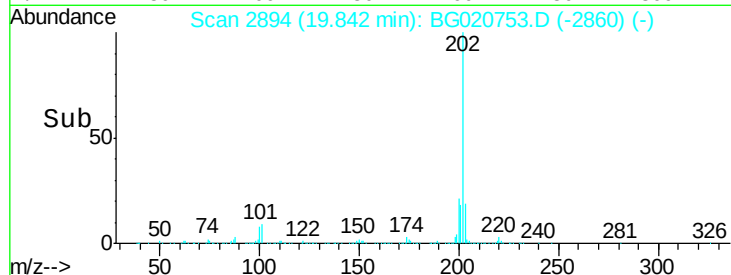
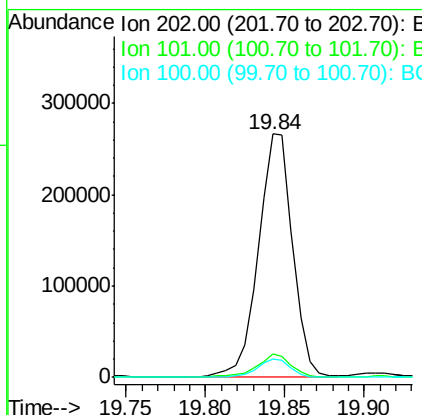
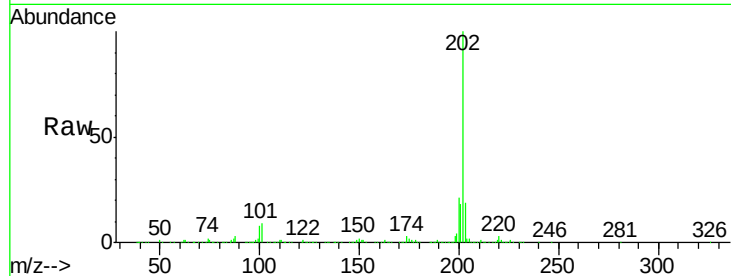
#80
 Pyrene
 Concen: 40.85 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: BG020753.D
 Acq: 15 Jan 2016 15:22

Instrument :
 BNA_G
 ClientSampleId :
 BC9F6

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		399351		
101	9.4	6.9	10.3		
100	7.6	5.6	8.4		

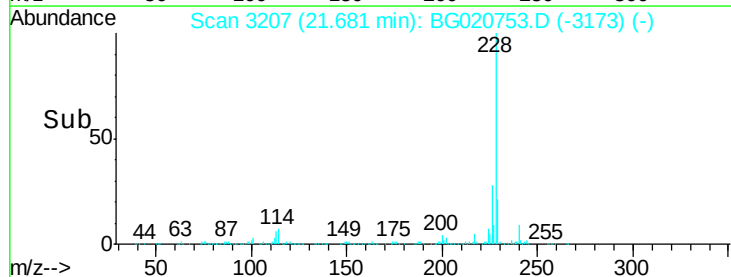
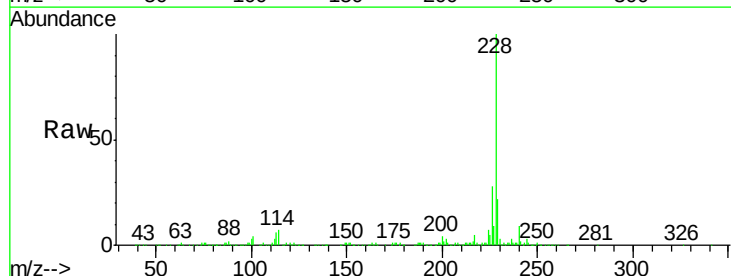
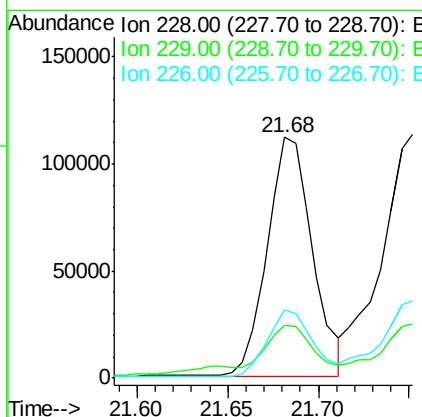
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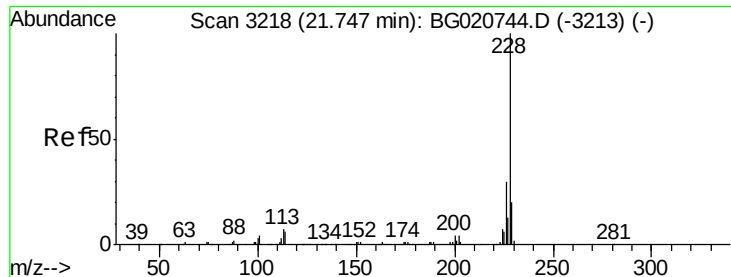
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#83
 Benzo(a)anthracene
 Concen: 20.36 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: BG020753.D
 Acq: 15 Jan 2016 15:22

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		195802		
229	22.0	16.0	24.0		
226	28.3	21.8	32.8		





#85

Chrysene

Concen: 23.20 ng/ul

RT: 21.75 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

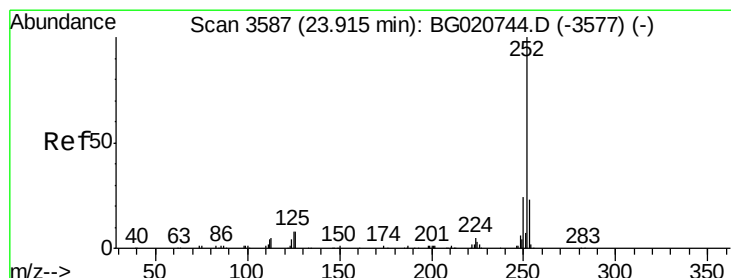
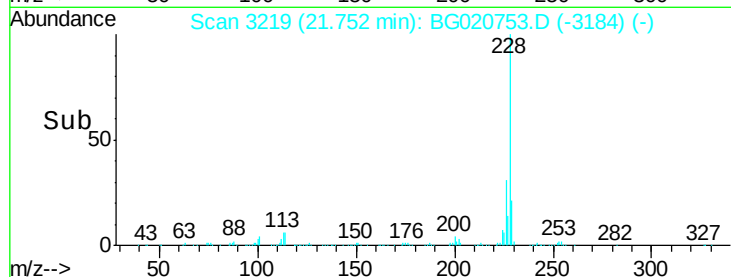
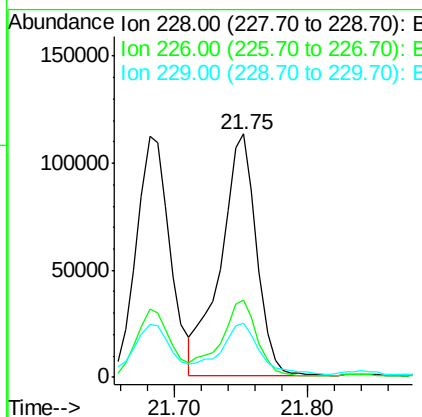
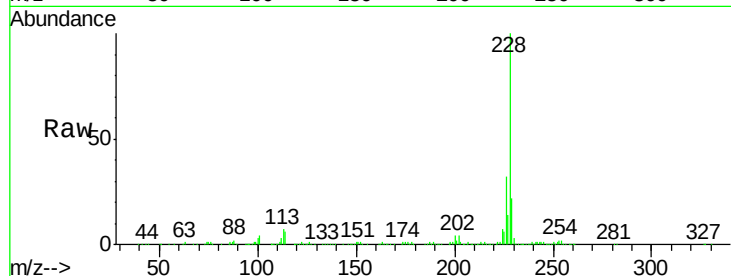
ClientSampled :

BC9F6

Tgt Ion:	228	Resp:	210932
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.1	36.1
229	22.2	16.0	24.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 21.58 ng/ul

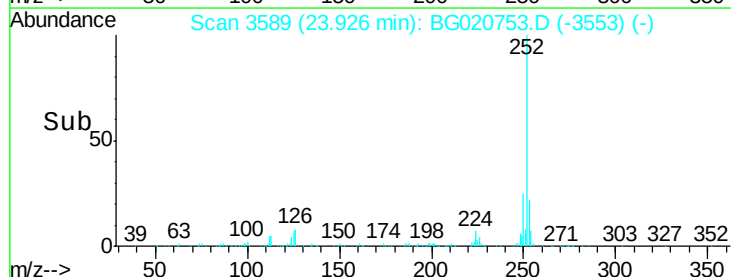
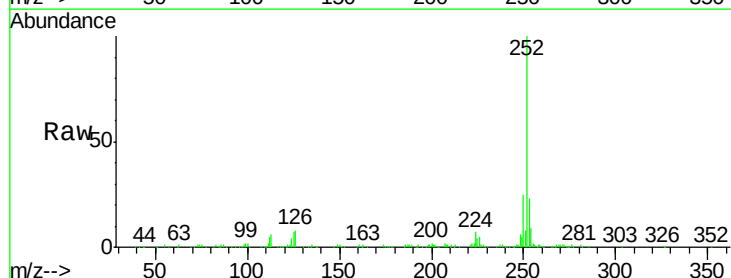
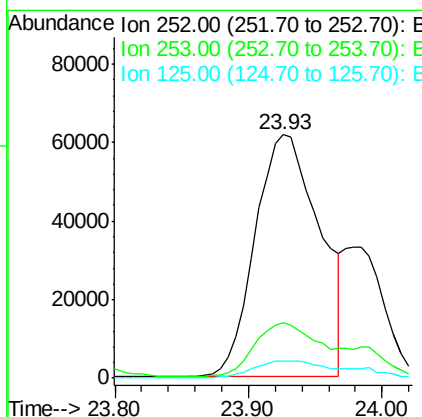
RT: 23.93 min Scan# 3589

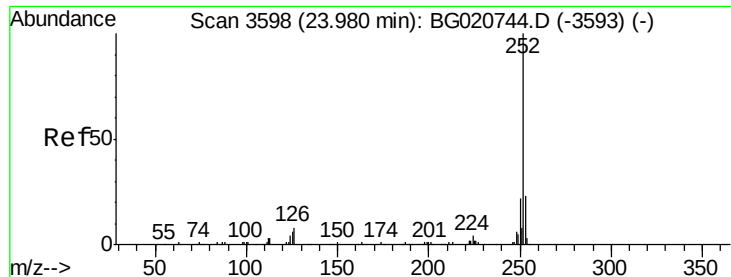
Delta R.T. 0.01 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Tgt Ion:	252	Resp:	206847
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	6.8	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 7.51 ng/ul m

RT: 23.98 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BG020753.D

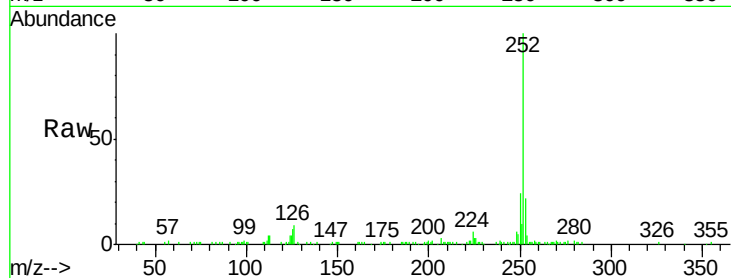
Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

ClientSampled :

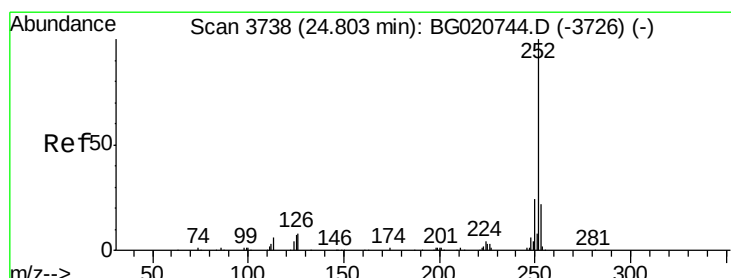
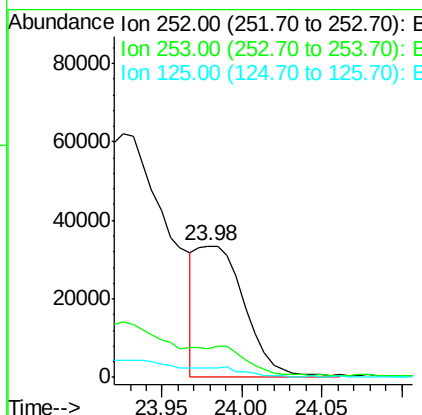
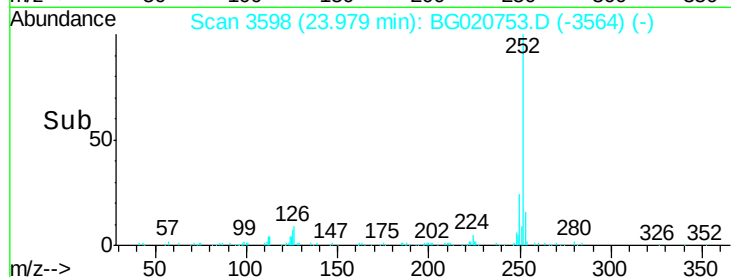
BC9F6



Tgt Ion:	252	Resp:	71115
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	6.9	5.4	8.0

Manual Integrations
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#91

Benzo(a)pyrene

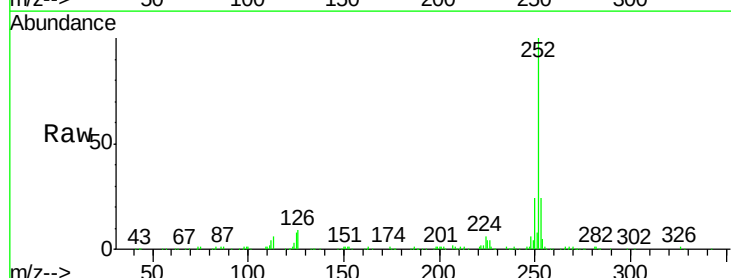
Concen: 18.38 ng/ul

RT: 24.80 min Scan# 3738

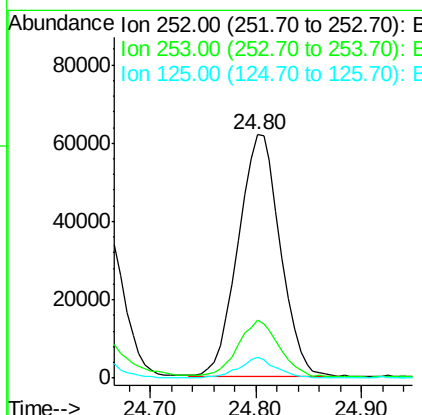
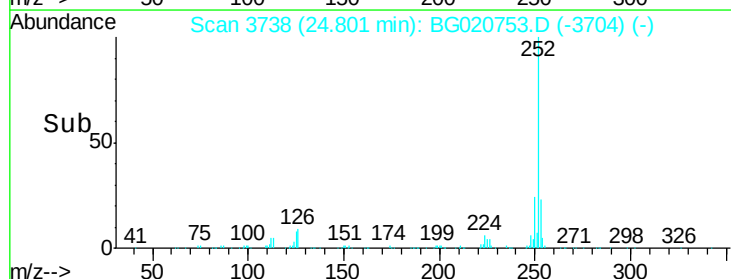
Delta R.T. -0.00 min

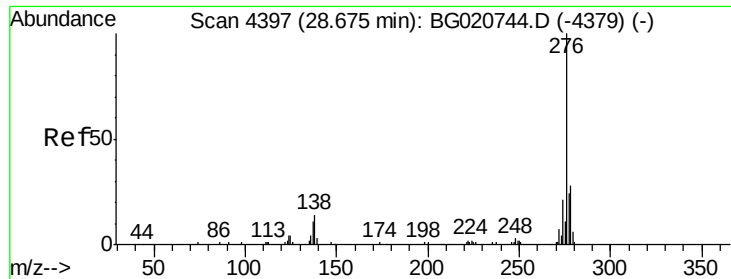
Lab File: BG020753.D

Acq: 15 Jan 2016 15:22



Tgt Ion:	252	Resp:	169601
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	8.4	5.8	8.6





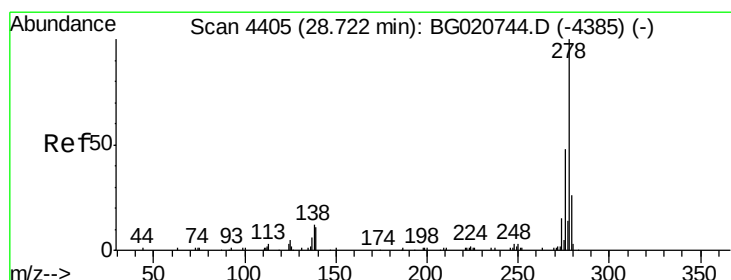
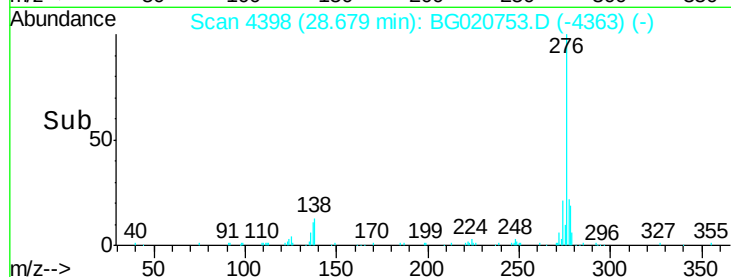
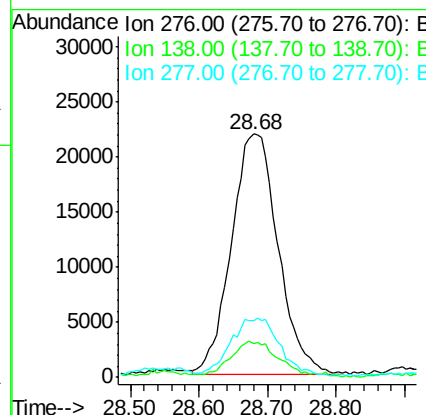
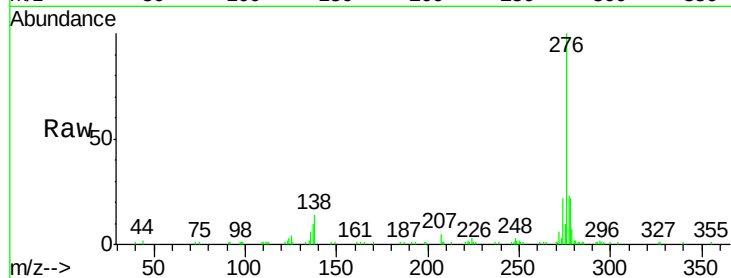
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 9.48 ng/ul
 RT: 28.68 min Scan# 4398
 Delta R.T. 0.00 min
 Lab File: BG020753.D
 Acq: 15 Jan 2016 15:22

Instrument :
 BNA_G
 ClientSampleId :
 BC9F6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	10.9	16.3
277	23.3	18.9	28.3

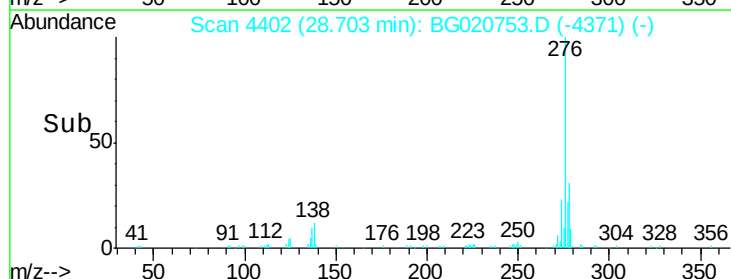
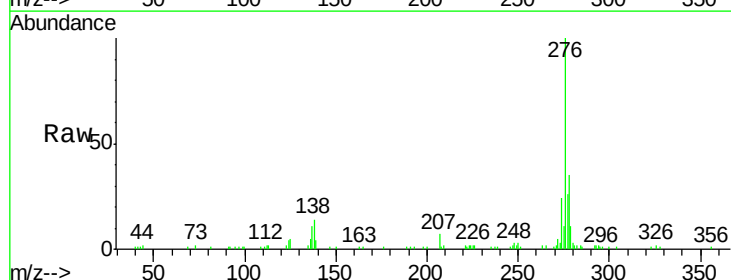
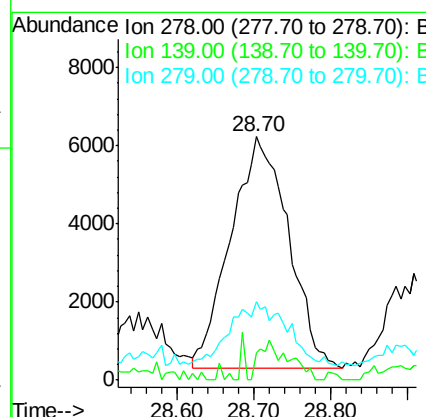
Manual Integrations
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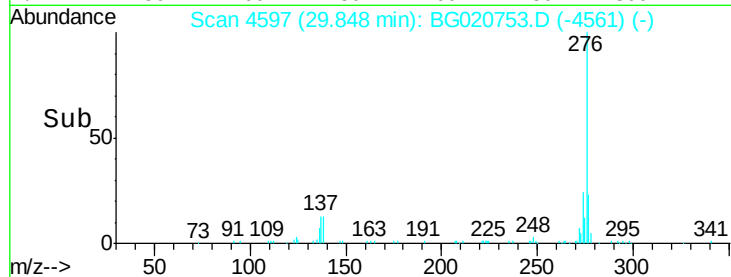
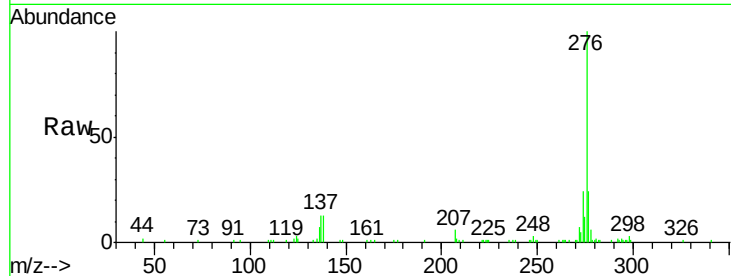
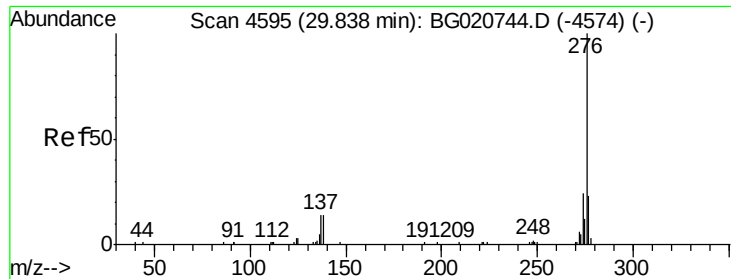
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.43 ng/ul
 RT: 28.70 min Scan# 4402
 Delta R.T. -0.02 min
 Lab File: BG020753.D
 Acq: 15 Jan 2016 15:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.0	9.0	13.4
279	32.0	19.1	28.7#





#94

Benzo(g,h,i)perylene

Concen: 12.22 ng/ul m

RT: 29.85 min Scan# 4597

Delta R.T. 0.01 min

Lab File: BG020753.D

Acq: 15 Jan 2016 15:22

Instrument :

BNA_G

ClientSampleId :

BC9F6

Tgt Ion:	276	Resp:	109763
Ion Ratio	Lower	Upper	
276	100		
138	12.8	11.2	16.8
277	24.5	19.0	28.6

Manual Integrations
APPROVED

Sohil
1/16/2016 3:03:17 AM

