

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020748.D
 Acq On : 15 Jan 2016 12:06
 Operator : SJ/IZ
 Sample : H1101-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9E9

Manual Integrations
 APPROVED

Sohil
 1/16/2016 3:02:53 AM

Quant Time: Jan 15 22:53:12 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	8.05	152	20207	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	85196	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	58128	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	149101	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	179573	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	167999	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	893	2.16	ng/uL	0.00
5) Phenol-d5	7.21	99	18798	10.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	14507	13.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	16988	12.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	1647	1.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	9981	14.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	11404	14.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	16511	11.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	7249m	4.93	ng/ul	0.01
44) Dimethylphthalate-d6	14.08	166	75008	14.79	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	88871	15.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	6929m	10.17	ng/ul	0.01
58) Fluorene-d10	15.67	176	70219	15.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	9423	11.62	ng/ul	0.00
71) Anthracene-d10	17.53	188	107052	14.65	ng/ul	0.00
79) Pyrene-d10	19.81	212	132382	15.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	135932	15.18	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	14.13	163	40878	7.50	ng/ul	99
50) Acenaphthene	14.74	153	7440	1.79	ng/ul	97
59) Fluorene	15.73	166	9931	1.95	ng/ul	99
70) Phenanthrene	17.47	178	161274	18.18	ng/ul	99
72) Anthracene	17.56	178	36941	4.12	ng/ul	95
75) Carbazole	17.83	167	17519	2.39	ng/ul	99
77) Fluoranthene	19.48	202	329975	30.60	ng/ul	99
80) Pyrene	19.84	202	298128	26.18	ng/ul	99
83) Benzo(a)anthracene	21.68	228	178723	15.95	ng/ul	98
85) Chrysene	21.75	228	176047	16.62	ng/ul	97
88) Benzo(b)fluoranthene	23.92	252	194728	17.99	ng/ul#	96
89) Benzo(k)fluoranthene	23.98	252	75291m	7.05	ng/ul	
91) Benzo(a)pyrene	24.80	252	140663	13.51	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.68	276	93663	7.62	ng/ul	99
93) Dibenzo(a,h)anthracene	28.70	278	27431m	2.71	ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	85371	8.42	ng/ul	97

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

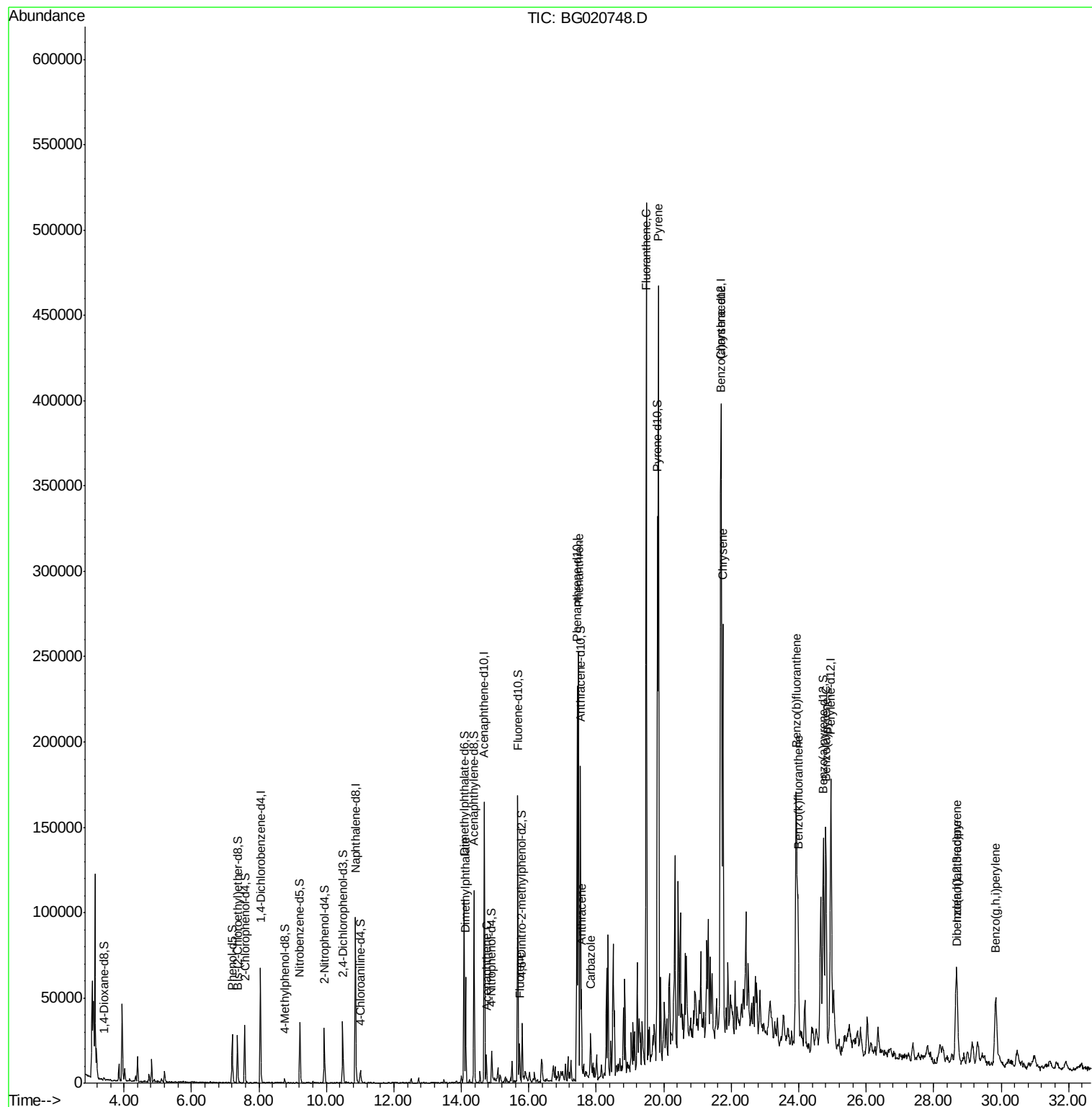
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

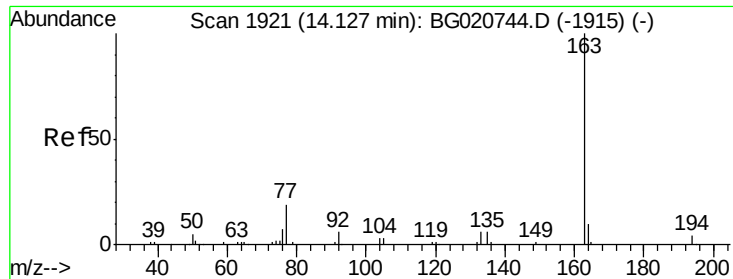
Instrument :
BNA_G
ClientSampleId :
BC9E9

Manual Integrations
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Quant Time: Jan 15 22:53:12 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





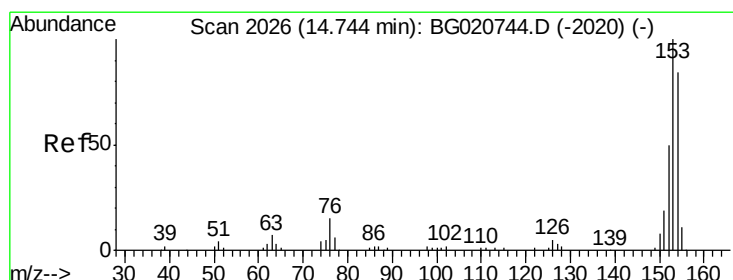
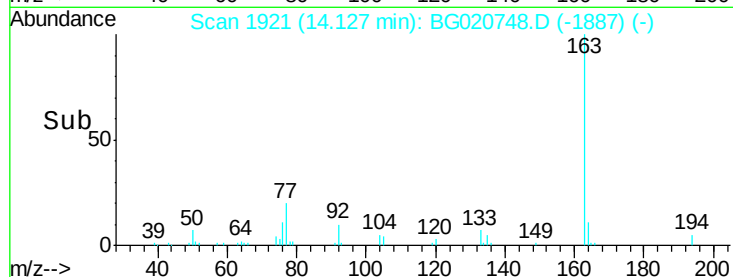
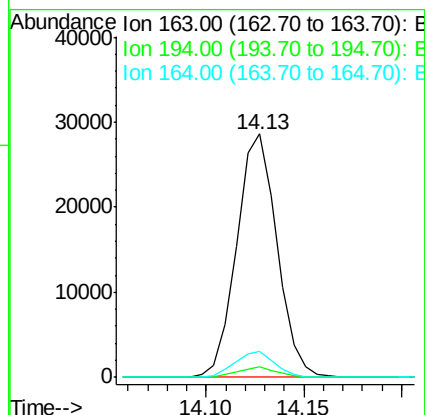
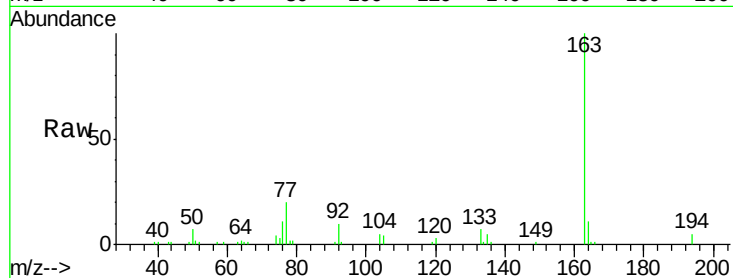
#45
Dimethylphthalate
Concen: 7.50 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Instrument :
BNA_G
ClientSampleId :
BC9E9

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40878		
194	4.5		4.0	6.0
164	10.7		8.4	12.6

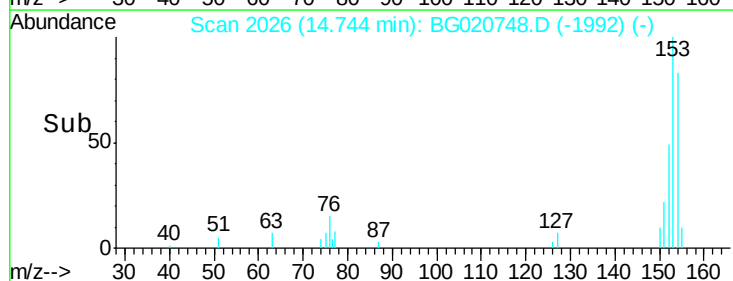
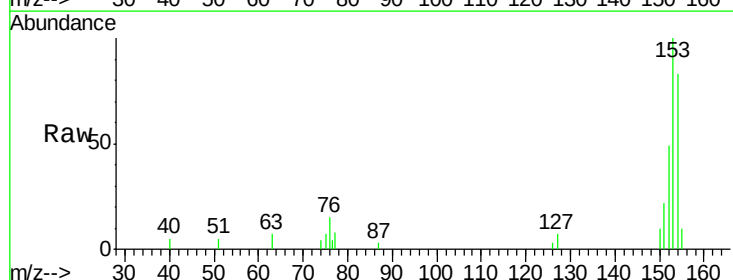
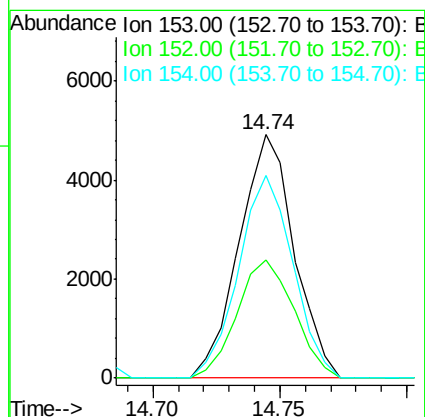
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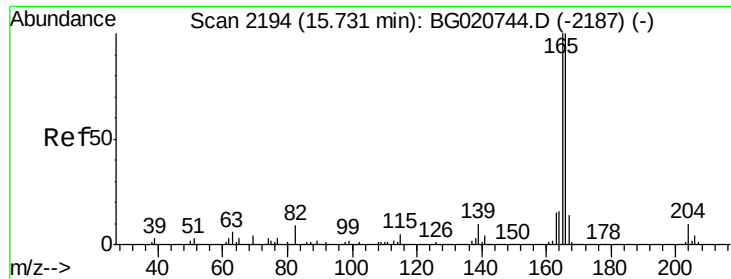
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#50
Acenaphthene
Concen: 1.79 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	7440		
152	48.7		37.9	56.9
154	83.3		69.8	104.6





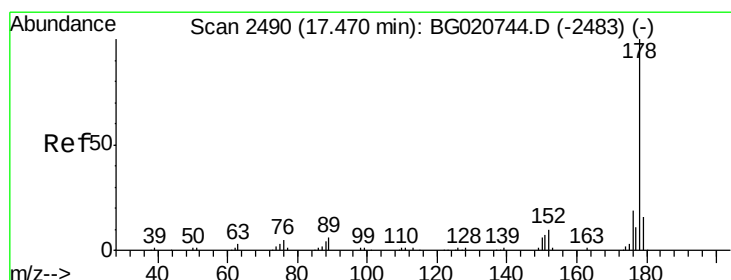
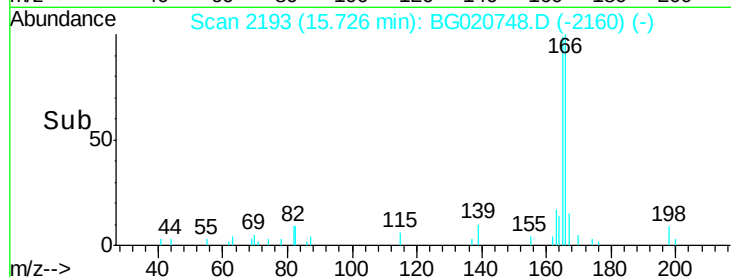
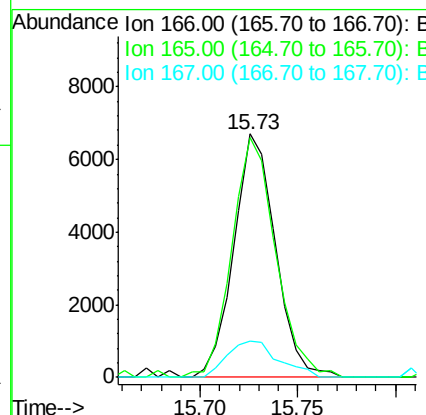
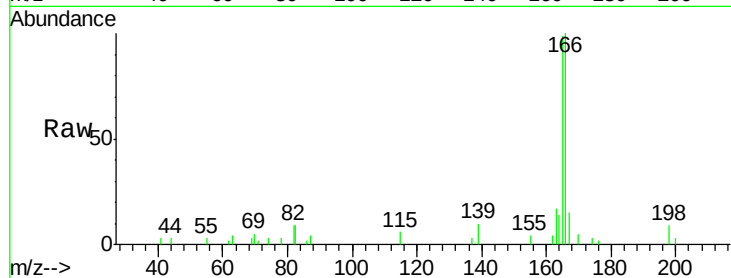
#59
Fluorene
Concen: 1.95 ng/ul
RT: 15.73 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Instrument :
BNA_G
ClientSampleId :
BC9E9

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	9931		
165	98.5		78.4	117.6
167	14.8		11.1	16.7

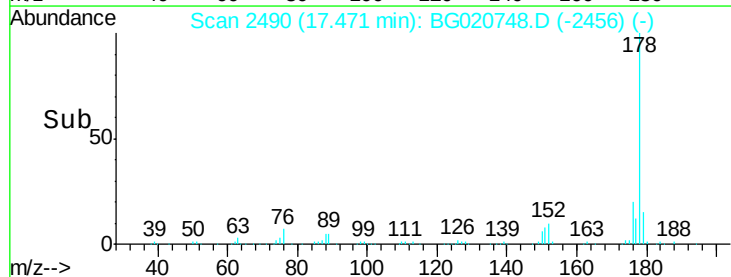
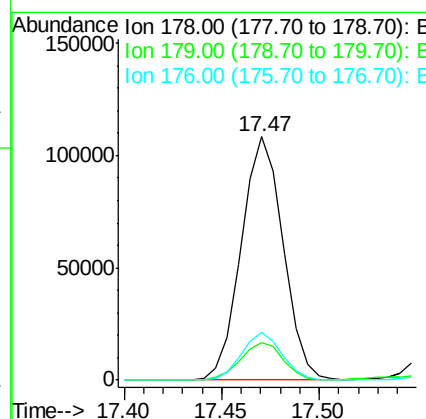
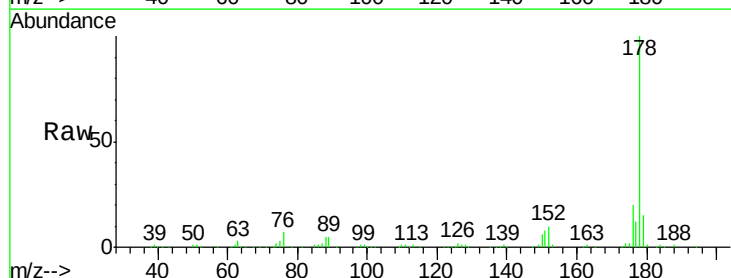
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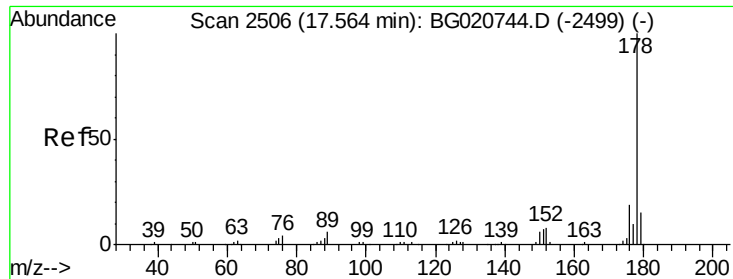
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#70
Phenanthrene
Concen: 18.18 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	161274		
179	15.2		12.3	18.5
176	19.8		15.4	23.0





#72

Anthracene

Concen: 4.12 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampled :

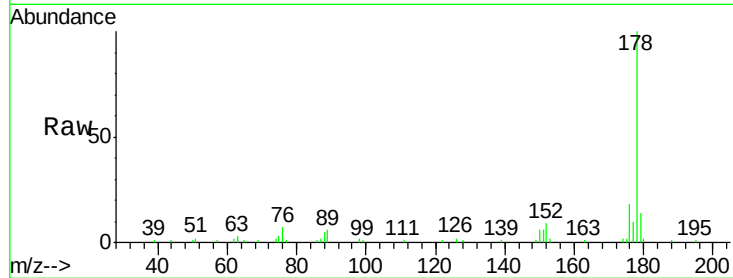
BC9E9

Manual Integrations
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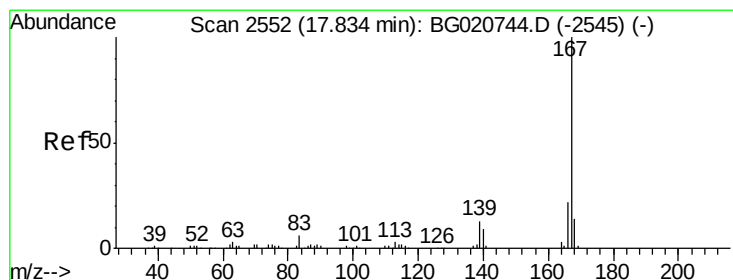
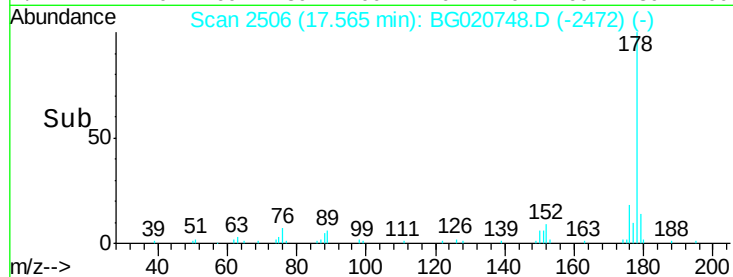
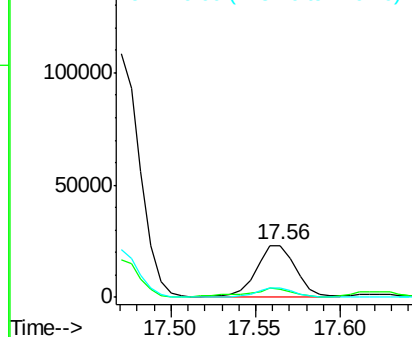
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Tgt Ion:	178	Resp:	36941
Ion Ratio	Lower	Upper	
178	100		
179	14.4	13.4	20.2
176	17.5	15.4	23.0



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: 2.39 ng/ul

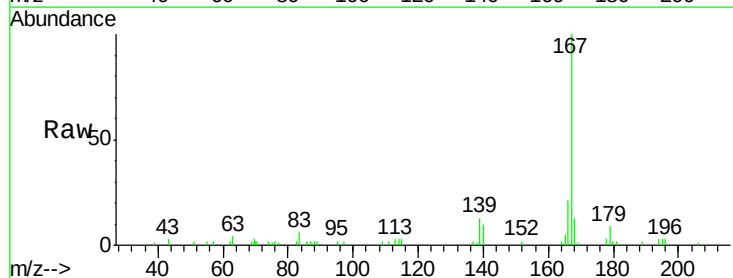
RT: 17.83 min Scan# 2552

Delta R.T. 0.00 min

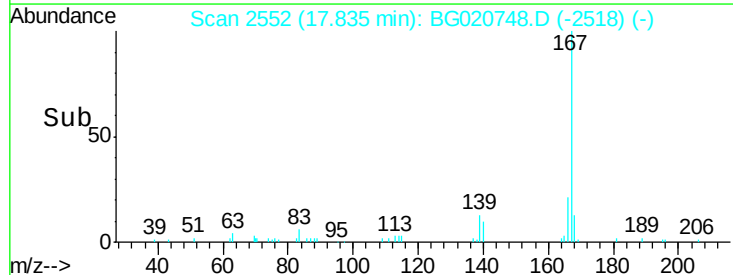
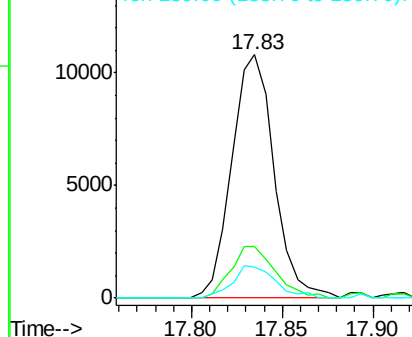
Lab File: BG020748.D

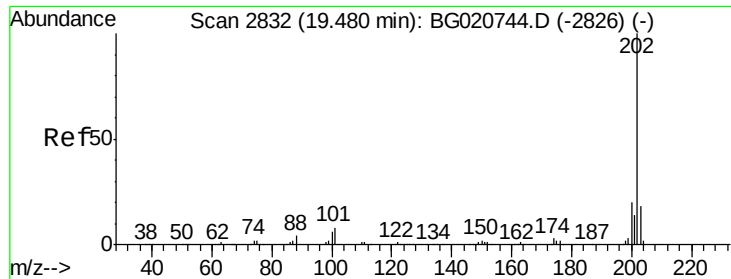
Acq: 15 Jan 2016 12:06

Tgt Ion:	167	Resp:	17519
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.4
139	12.8	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: 30.60 ng/ul

RT: 19.48 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

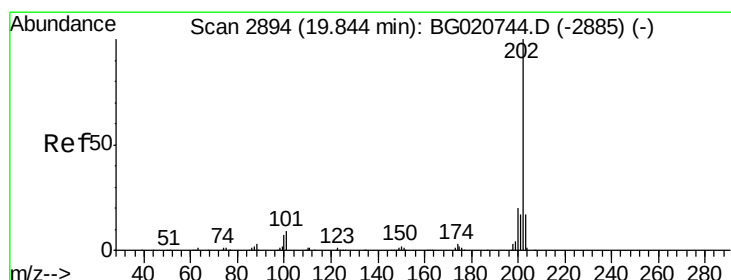
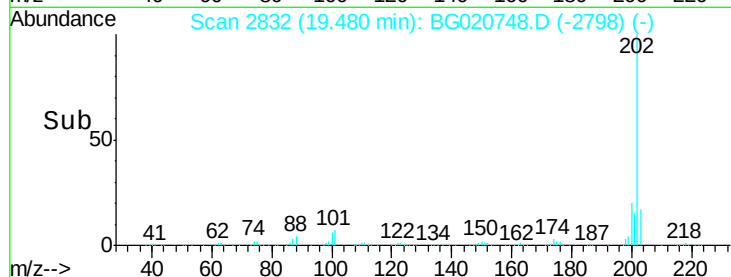
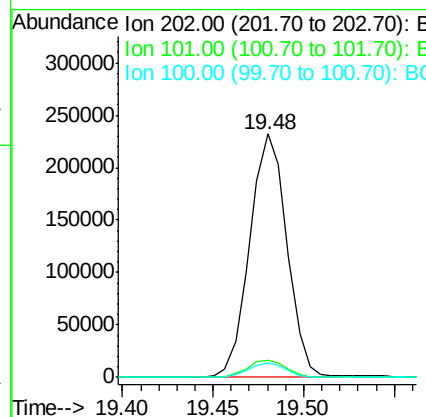
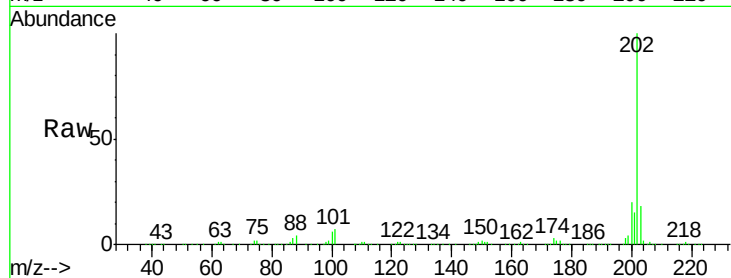
ClientSampleId :

BC9E9

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		329975		
101	7.1	6.1	9.1		
100	5.8	4.6	7.0		

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#80

Pyrene

Concen: 26.18 ng/ul

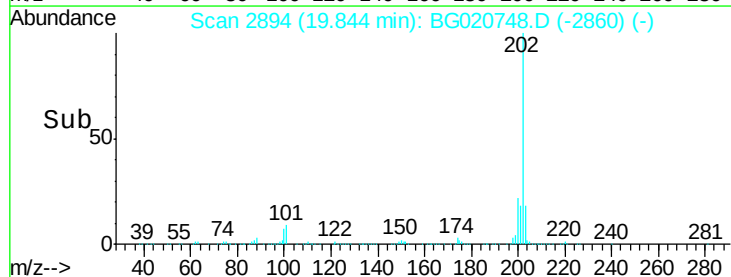
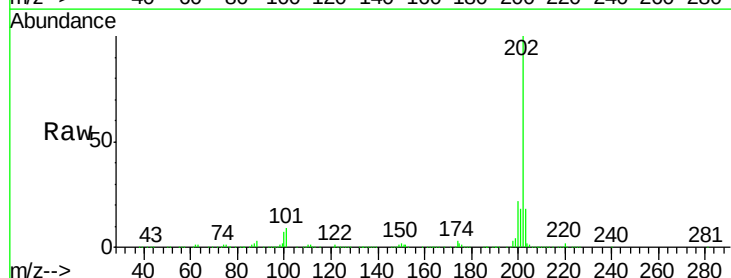
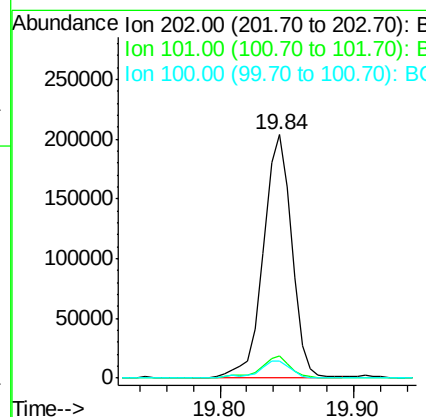
RT: 19.84 min Scan# 2894

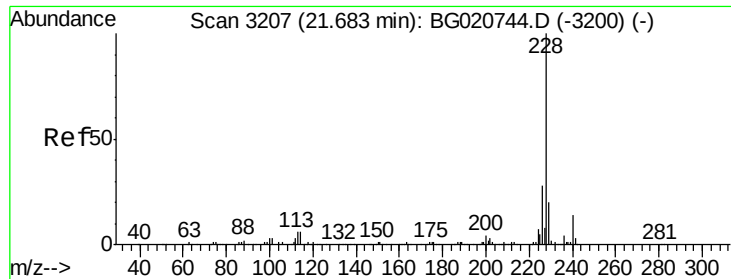
Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		298128		
101	9.0	6.9	10.3		
100	7.1	5.6	8.4		





#83

Benzo(a)anthracene

Concen: 15.95 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

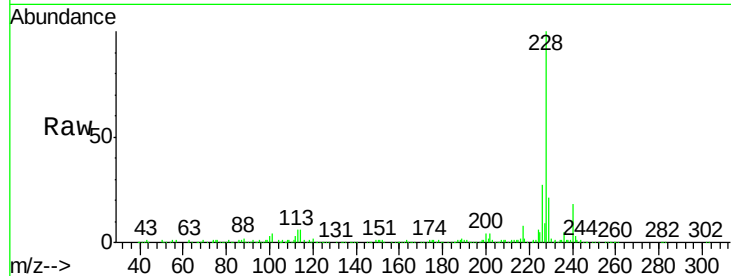
ClientSampled :

BC9E9

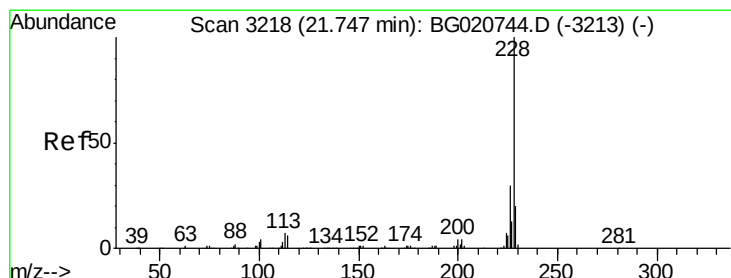
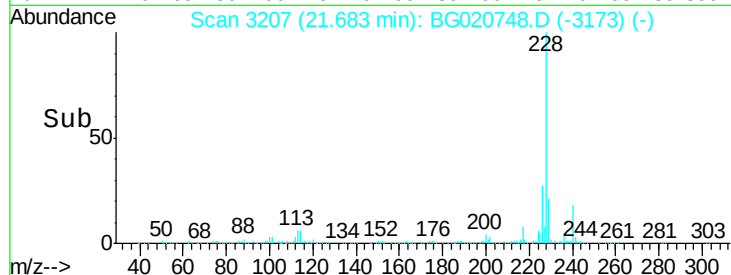
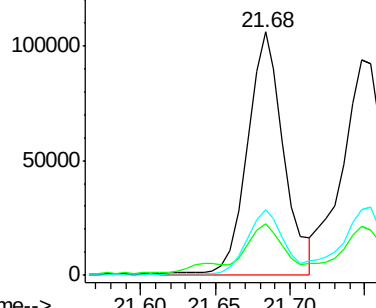
Tgt	Ion	228	Resp:	178723
Ion	Ratio	Lower	Upper	
228	100			
229	21.3	16.0	24.0	
226	26.9	21.8	32.8	

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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



#85

Chrysene

Concen: 16.62 ng/ul

RT: 21.75 min Scan# 3218

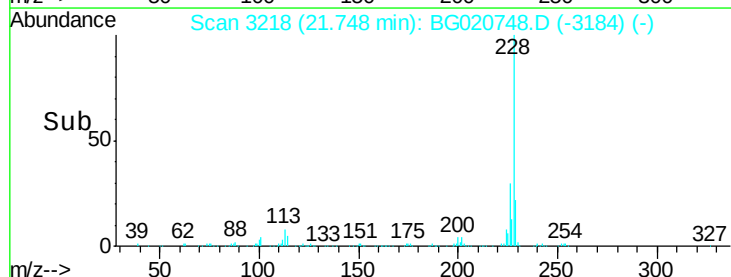
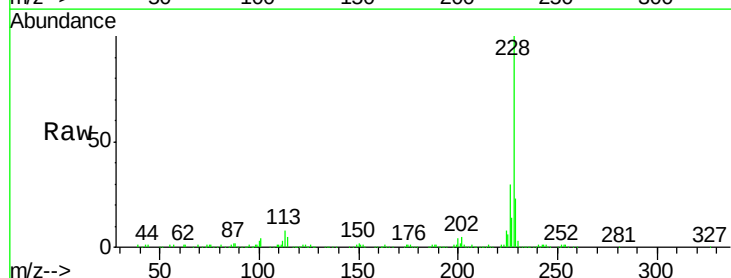
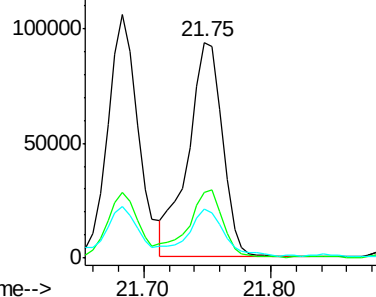
Delta R.T. 0.00 min

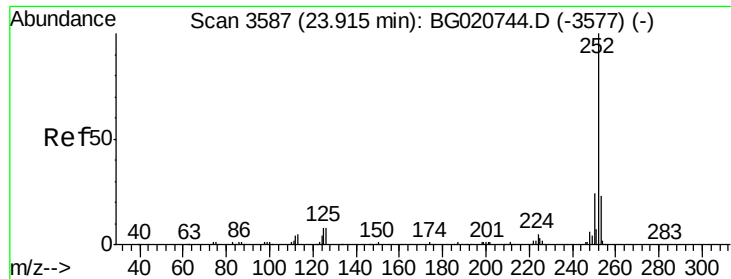
Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Tgt	Ion	228	Resp:	176047
Ion	Ratio	Lower	Upper	
228	100			
226	30.3	24.1	36.1	
229	22.9	16.0	24.0	

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





#88

Benzo(b)fluoranthene

Concen: 17.99 ng/ul

RT: 23.92 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

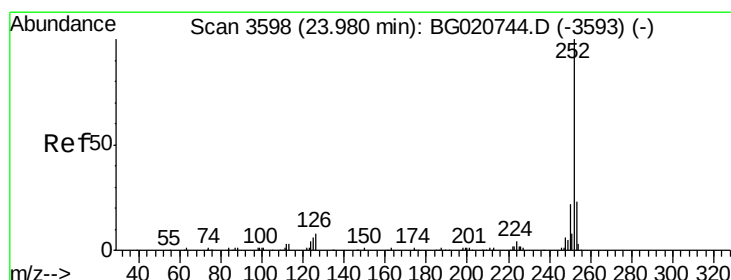
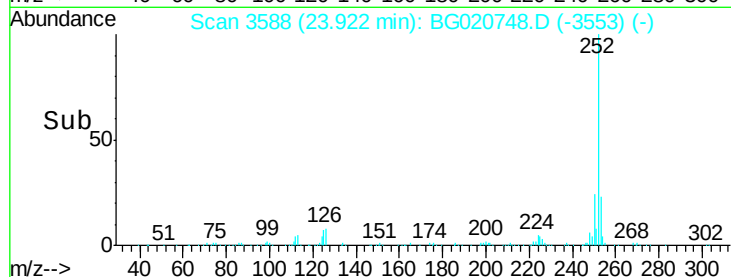
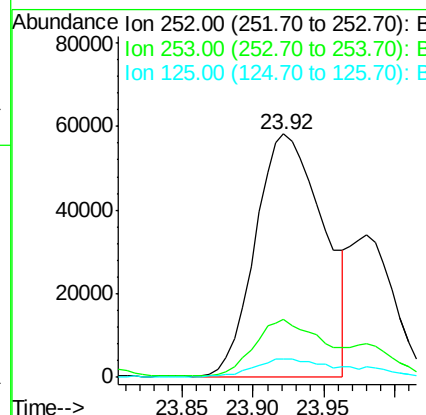
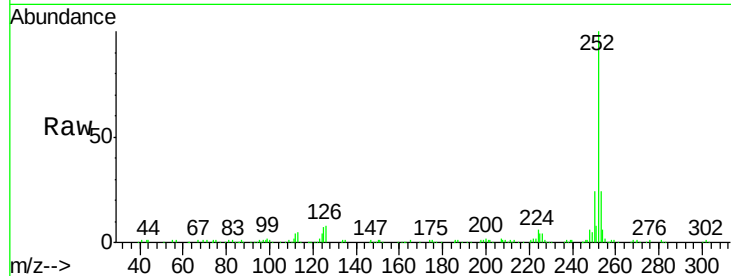
ClientSampled :

BC9E9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	194728		
253	23.9	17.4	26.0	
125	7.4	4.9	7.3#	

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#89

Benzo(k)fluoranthene

Concen: 7.05 ng/ul m

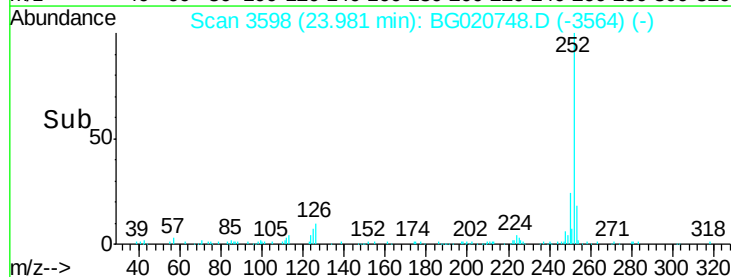
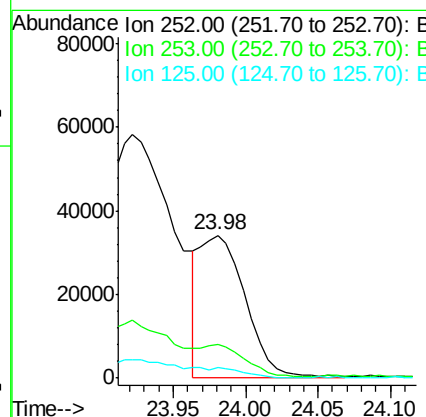
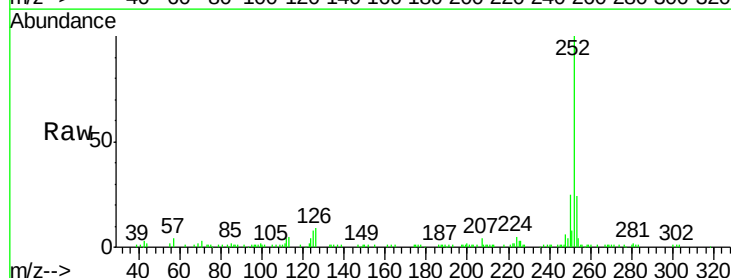
RT: 23.98 min Scan# 3598

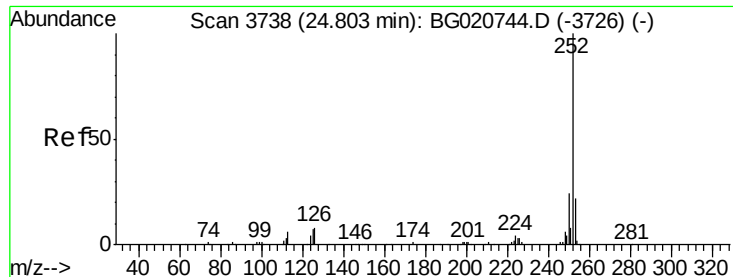
Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
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253	23.8	17.1	25.7	
125	7.6	5.4	8.0	





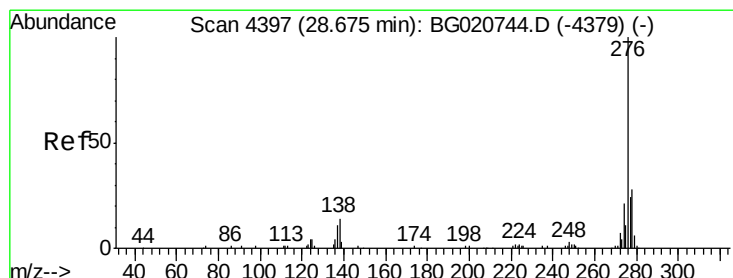
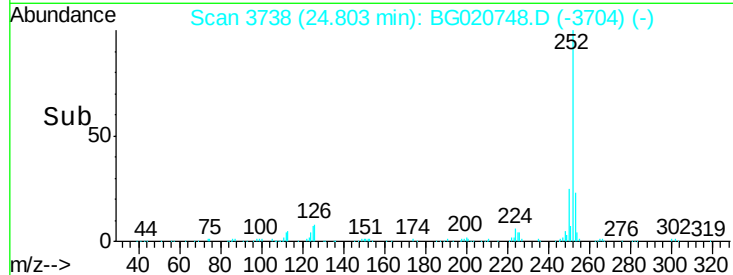
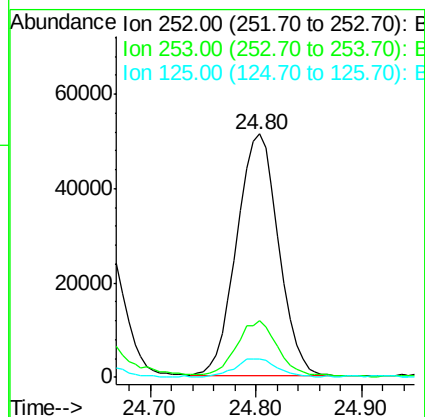
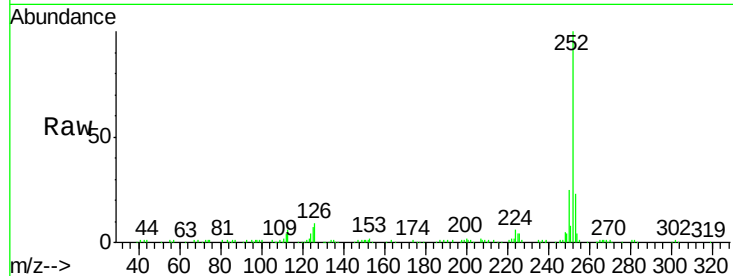
#91
Benzo(a)pyrene
Concen: 13.51 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Instrument :
BNA_G
ClientSampleId :
BC9E9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	140663		
253	23.1	17.2	25.8	
125	7.3	5.8	8.6	

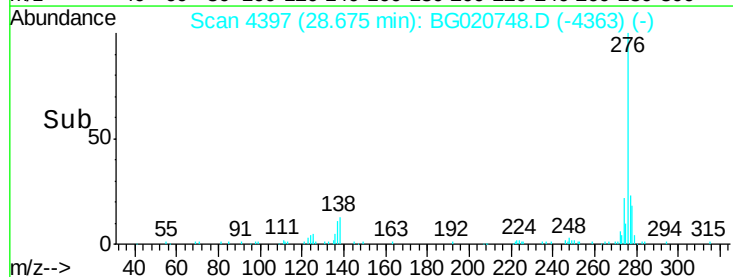
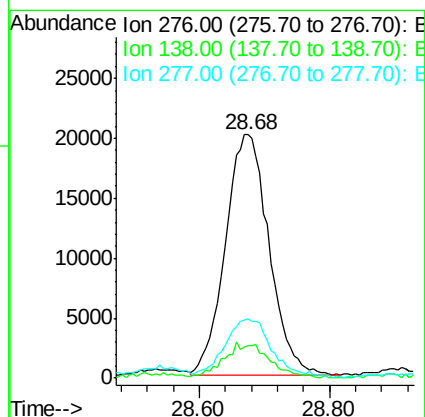
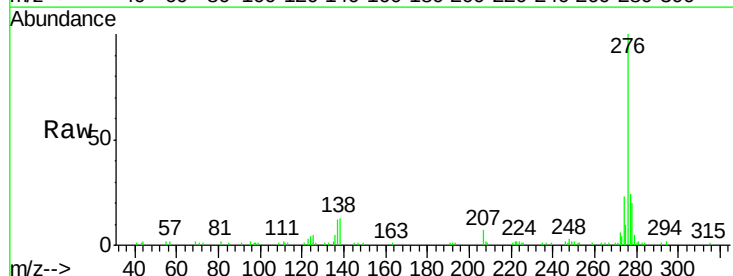
Manual Integrations
APPROVED

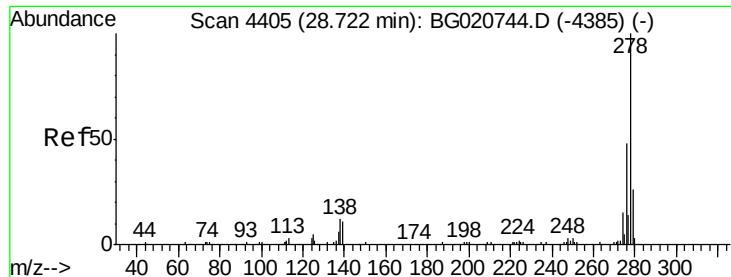
Sohil
1/16/2016 3:02:53 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 7.62 ng/ul
RT: 28.68 min Scan# 4397
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	93663		
138	13.4	10.9	16.3	
277	24.4	18.9	28.3	





#93

Dibenzo(a,h)anthracene

Concen: 2.71 ng/ul m

RT: 28.70 min Scan# 4402

Delta R.T. -0.02 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

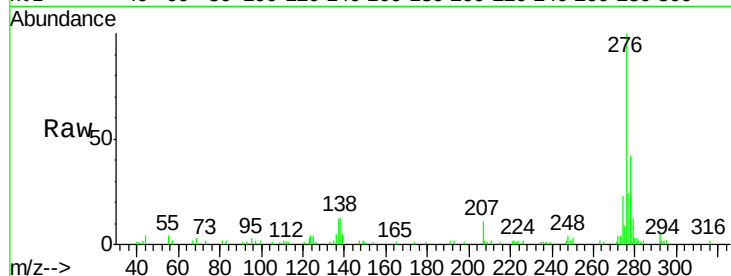
ClientSampled :

BC9E9

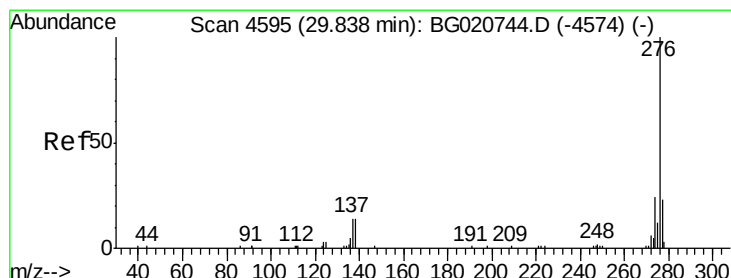
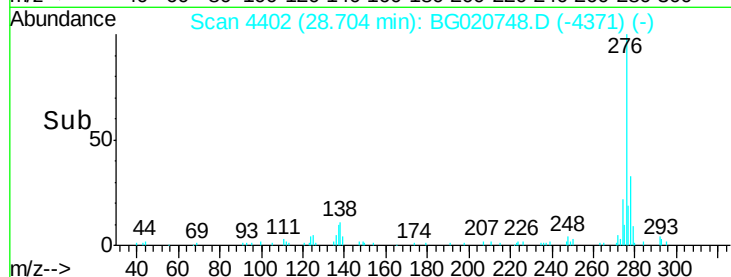
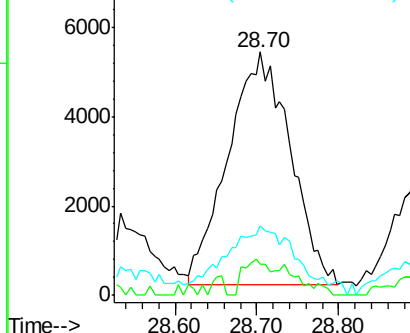
Tgt Ion:	278	Resp:	27431
Ion Ratio	Lower	Upper	
278	100		
139	12.6	9.0	13.4
279	28.6	19.1	28.7

Manual Integrations
APPROVED

Sohil
1/16/2016 3:02:53 AM



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: 8.42 ng/ul

RT: 29.84 min Scan# 4595

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Tgt Ion:	276	Resp:	85371
Ion Ratio	Lower	Upper	
276	100		
138	15.2	11.2	16.8
277	25.1	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

