

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
 Data File : BG020784.D
 Acq On : 4 Feb 2016 13:13
 Operator : SJ/IZ
 Sample : H1334-13 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBG10

Manual Integrations
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mohammad
 2/5/2016 3:38:38 PM

Quant Time: Feb 05 04:32:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 05 04:10:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	18573	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	93363	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	56250	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	119689	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	110553	20.00	ng/ul	0.00
86) Perylene-d12	25.27	264	104664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	129	0.33	ng/uL	0.00
5) Phenol-d5	7.41	99	5464	2.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	3517	3.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	4286	3.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	4542	2.77	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	1968	3.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.16	143	1314	2.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	3999	2.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	5786	3.02	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	16200	3.37	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	21176	3.62	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	1424	1.68	ng/ul	0.00
58) Fluorene-d10	15.87	176	14797	3.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	715	1.81	ng/ul	0.00
71) Anthracene-d10	17.72	188	21404	3.64	ng/ul	0.00
79) Pyrene-d10	19.98	212	20983	3.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.04	264	20827	3.71	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.43	94	2773	1.38	ng/ul#	84
48) Acenaphthylene	14.62	152	8162	1.26	ng/ul	96
50) Acenaphthene	14.95	153	7222	1.60	ng/ul	97
59) Fluorene	15.93	166	10386	2.02	ng/ul	99
70) Phenanthrene	17.66	178	167017	22.22	ng/ul	98
72) Anthracene	17.75	178	34524	4.59	ng/ul	98
75) Carbazole	18.01	167	15553	2.33	ng/ul	94
77) Fluoranthene	19.65	202	387348	50.16	ng/ul#	77
80) Pyrene	20.01	202	303706	36.34	ng/ul#	73
83) Benzo(a)anthracene	21.88	228	150528	21.14	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.77	149	16283	3.20	ng/ul#	91
85) Chrysene	21.95	228	133068	20.12	ng/ul	97
87) Di-n-octyl phthalate	23.04	149	23588	2.79	ng/ul	100
88) Benzo(b)fluoranthene	24.20	252	168084	24.51	ng/ul#	89
89) Benzo(k)fluoranthene	24.26	252	64277m	9.57	ng/ul	
91) Benzo(a)pyrene	25.11	252	107479	16.38	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	29.14	276	71184	9.28	ng/ul#	80
93) Dibenzo(a,h)anthracene	29.20	278	19956m	3.15	ng/ul	
94) Benzo(g,h,i)perylene	30.35	276	60170	9.56	ng/ul#	82

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

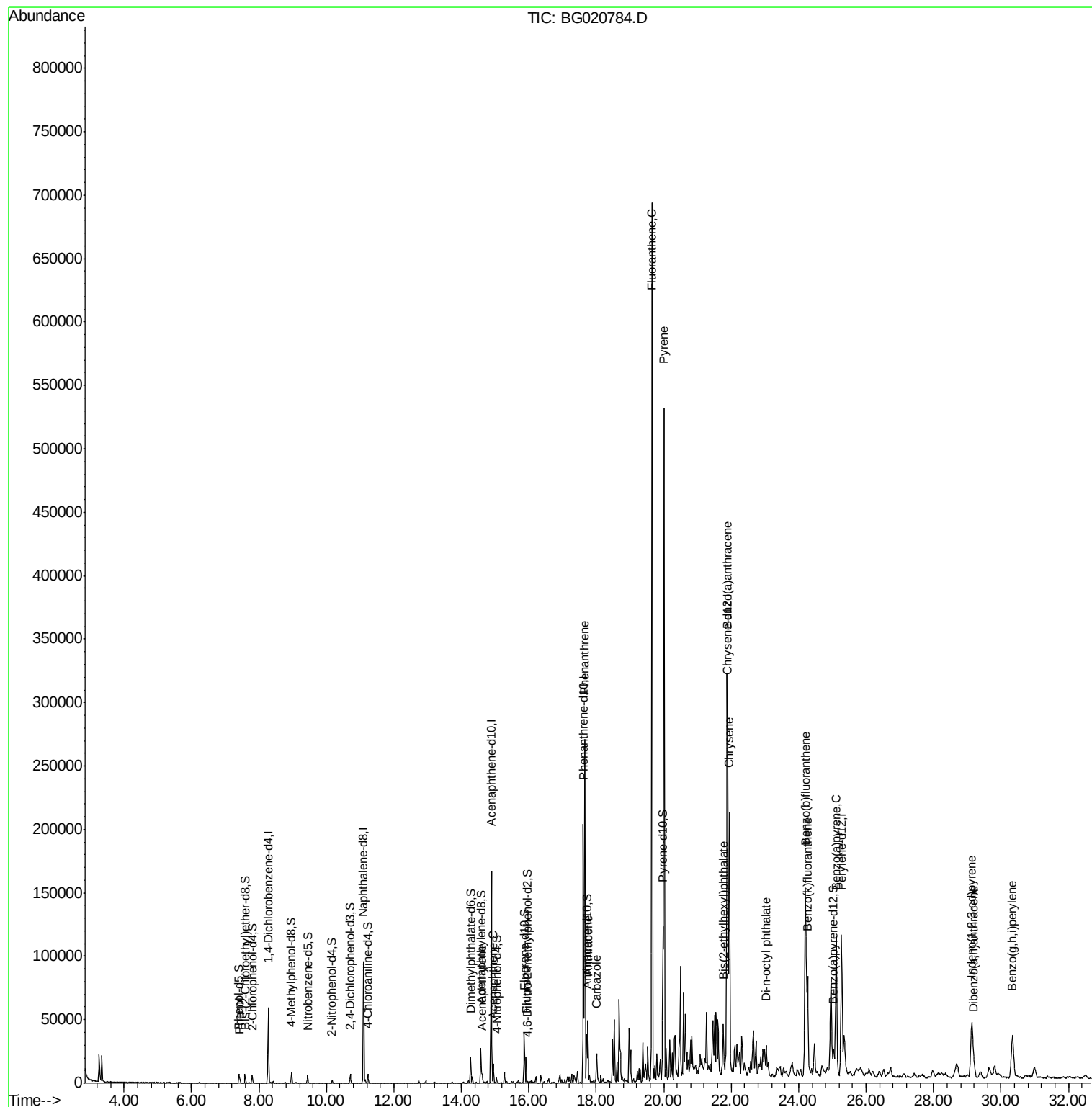
Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
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Acq On : 4 Feb 2016 13:13
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Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

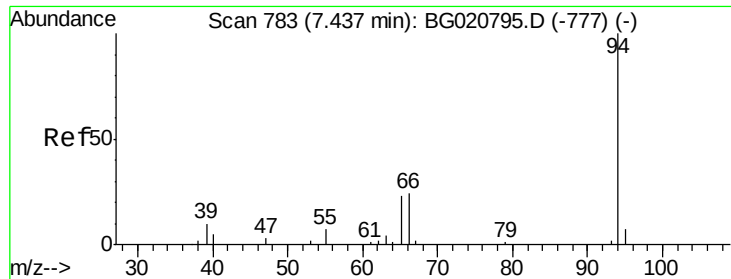
Instrument :
BNA_G
ClientSampleId :
BBG10

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Quant Time: Feb 05 04:32:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 05 04:10:17 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.38 ng/ul

RT: 7.43 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Instrument :

BNA_G

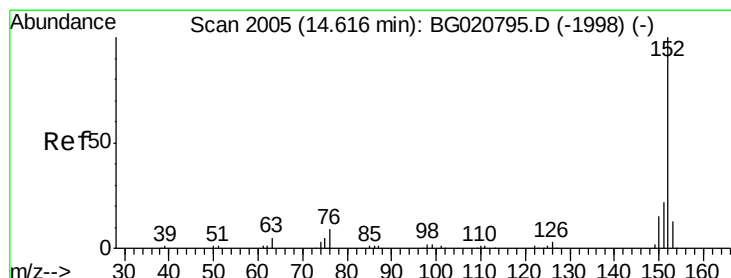
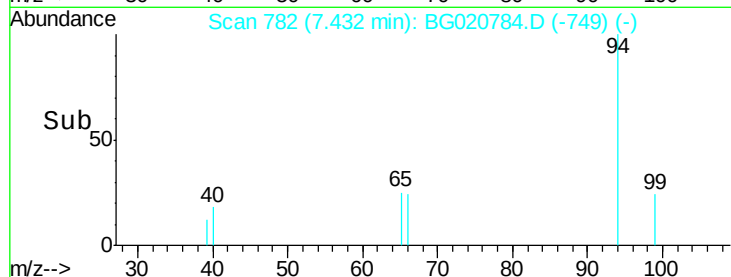
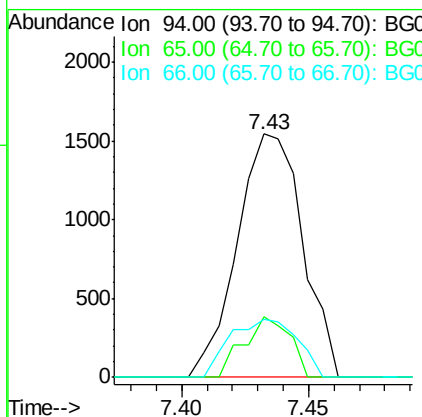
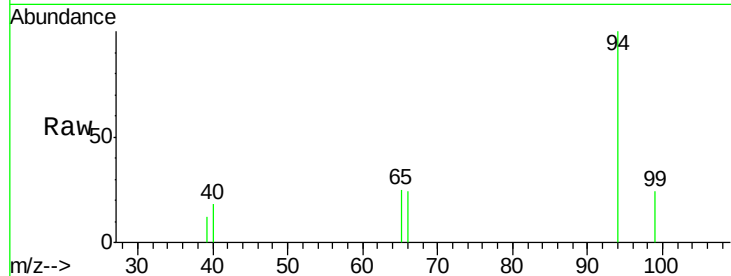
ClientSampleId :

BBG10

Tot Ion:	94	Resp:	2773
Ion	Ratio	Lower	Upper
94	100		
65	24.9	23.0	34.6
66	23.9	30.4	45.6#

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#48

Acenaphthylene

Concen: 1.26 ng/ul

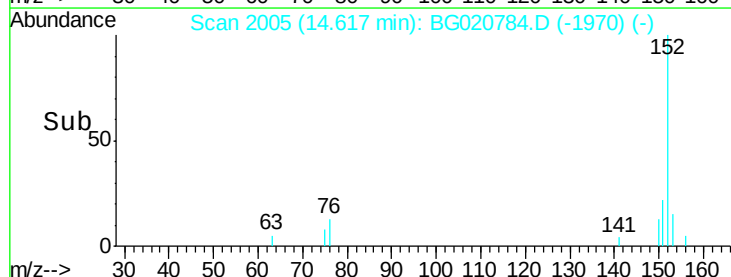
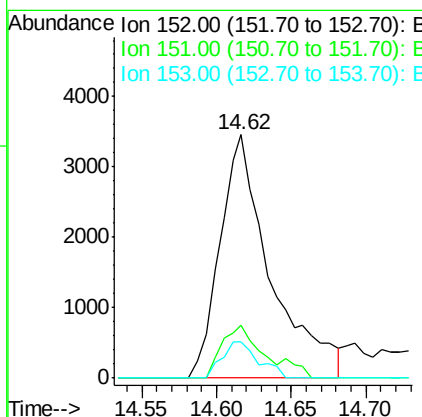
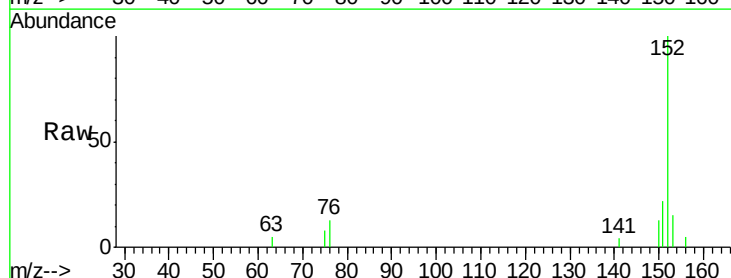
RT: 14.62 min Scan# 2005

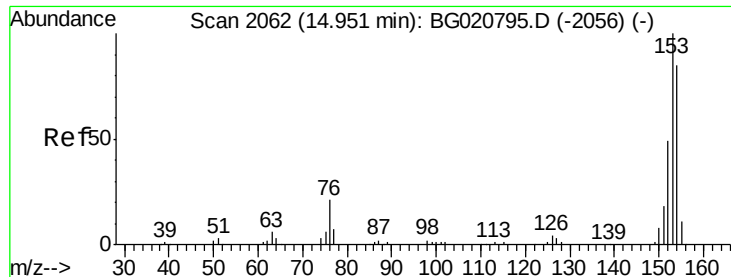
Delta R.T. 0.01 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Tgt Ion:	152	Resp:	8162
Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.1	24.1
153	15.1	10.8	16.2





#50

Acenaphthene

Concen: 1.60 ng/ul

RT: 14.95 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Instrument :

BNA_G

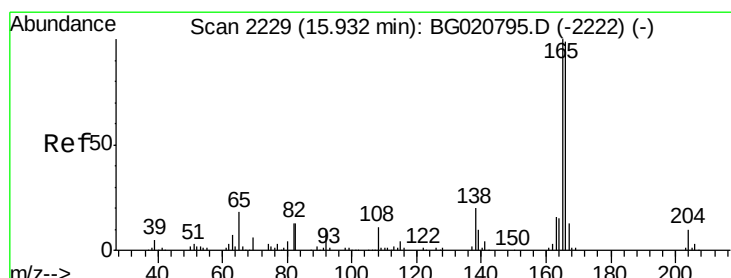
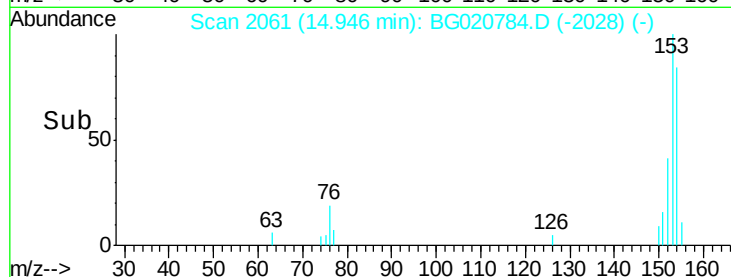
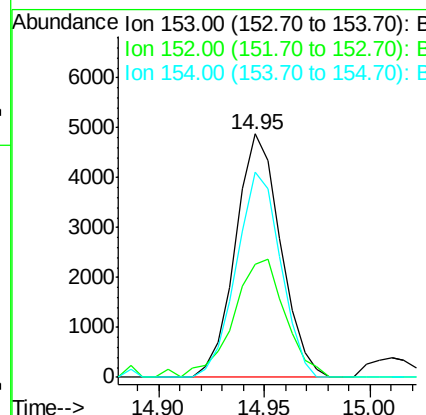
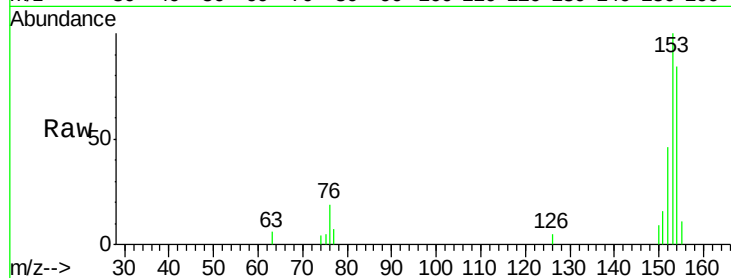
ClientSampleId :

BBG10

Tot Ion:	153	Resp:	7222
Ion Ratio	Lower	Upper	
153	100		
152	46.2	37.9	56.9
154	84.1	69.8	104.6

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#59

Fluorene

Concen: 2.02 ng/ul

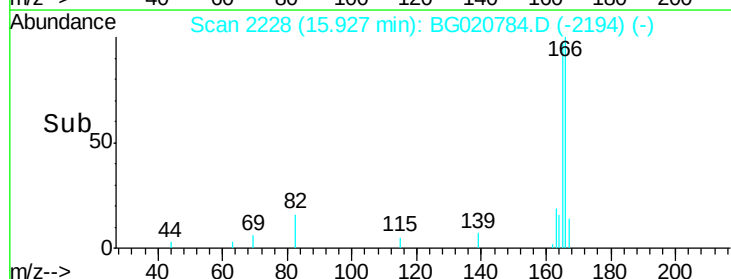
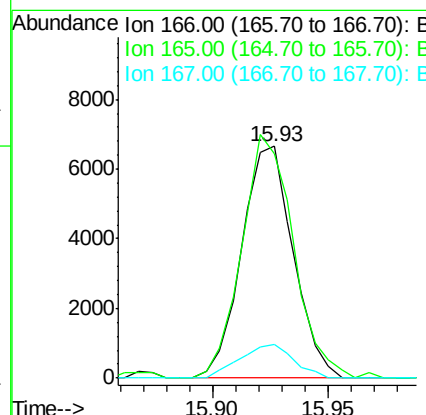
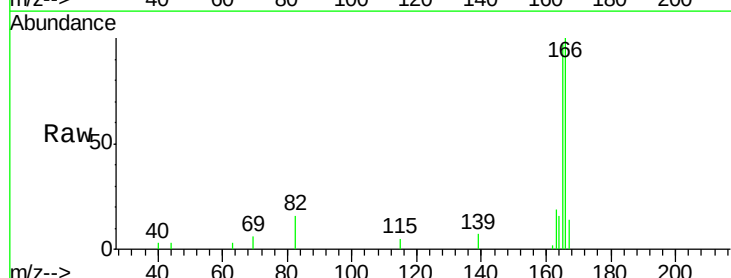
RT: 15.93 min Scan# 2228

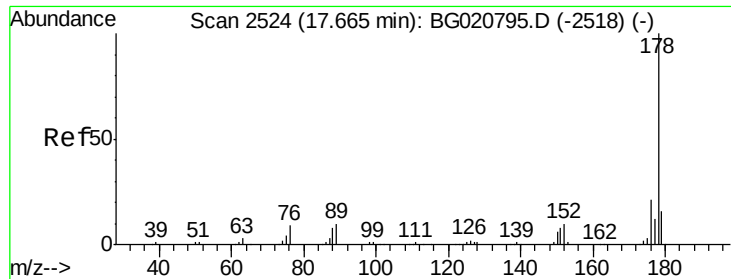
Delta R.T. 0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Tgt Ion:	166	Resp:	10386
Ion Ratio	Lower	Upper	
166	100		
165	96.7	78.4	117.6
167	14.3	11.1	16.7





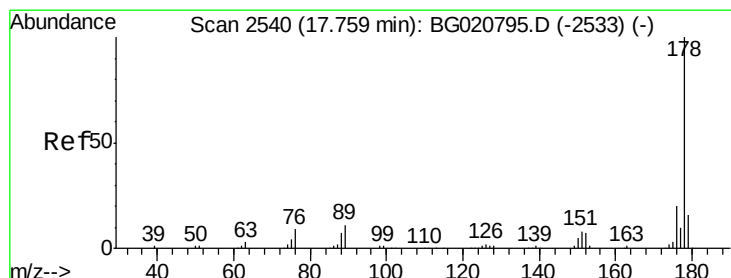
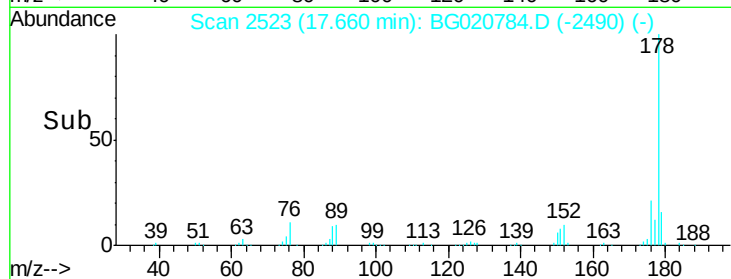
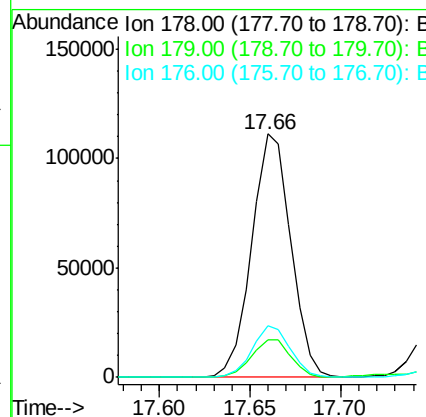
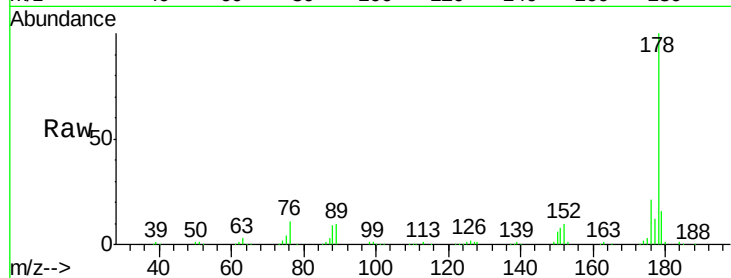
#70
 Phenanthrene
 Concen: 22.22 ng/ul
 RT: 17.66 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG020784.D
 Acq: 4 Feb 2016 13:13

Instrument :
 BNA_G
 ClientSampleID :
 BBG10

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	21.0	15.4	23.0

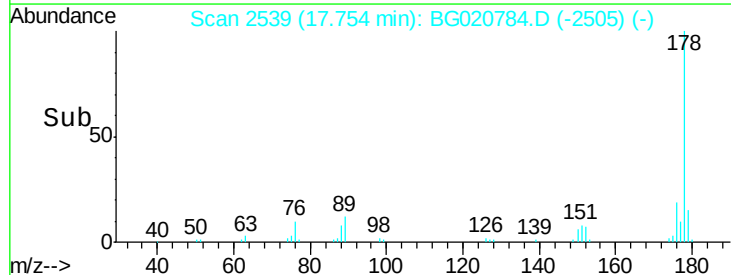
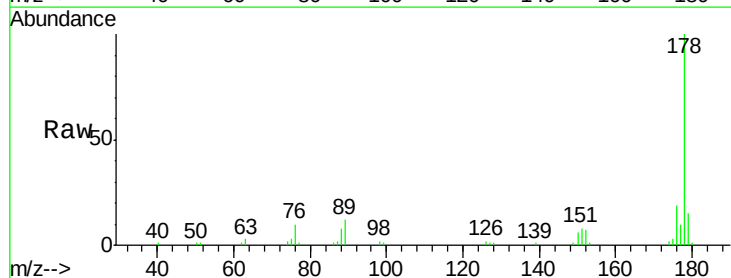
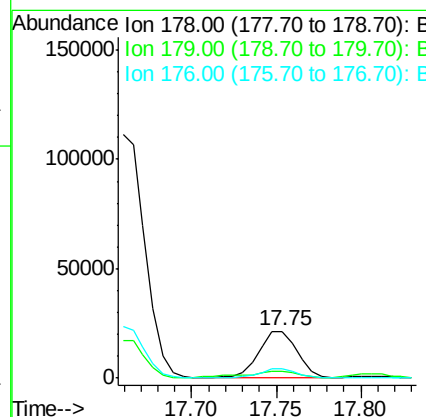
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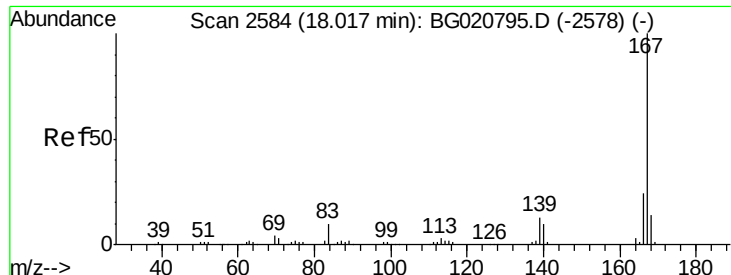
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#72
 Anthracene
 Concen: 4.59 ng/ul
 RT: 17.75 min Scan# 2539
 Delta R.T. 0.00 min
 Lab File: BG020784.D
 Acq: 4 Feb 2016 13:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.2
176	19.1	15.4	23.0





#75

Carbazole

Concen: 2.33 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Instrument :

BNA_G

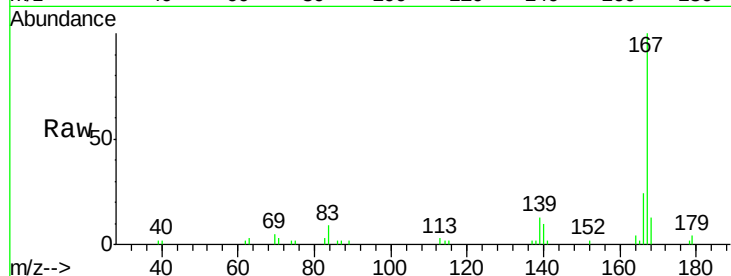
ClientSampleId :

BBG10

Tot Ion:	167	Resp:	15553
Ion Ratio	Lower	Upper	
167	100		
166	24.5	17.0	25.4
139	13.3	9.1	13.7

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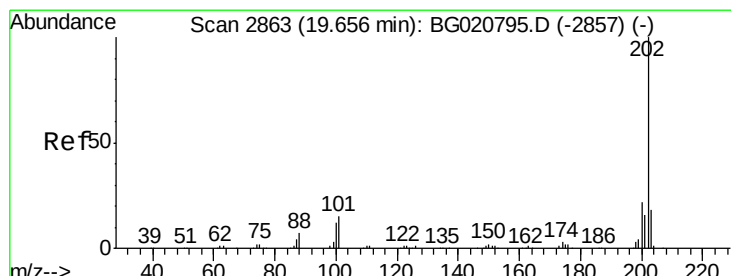
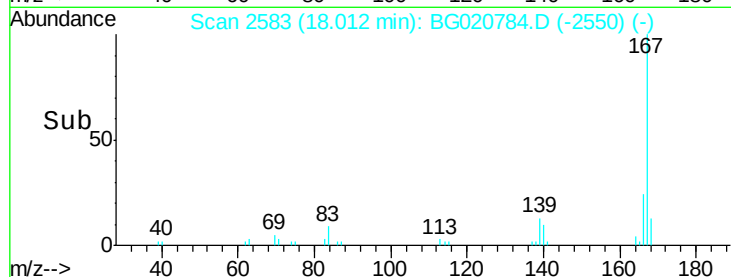
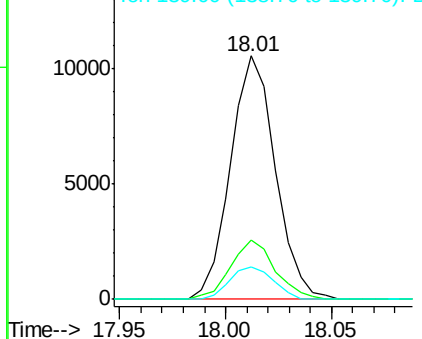
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 50.16 ng/ul

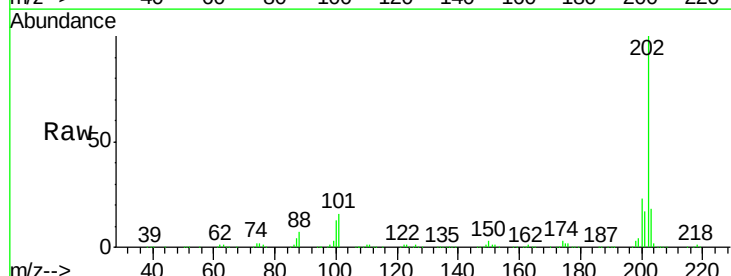
RT: 19.65 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

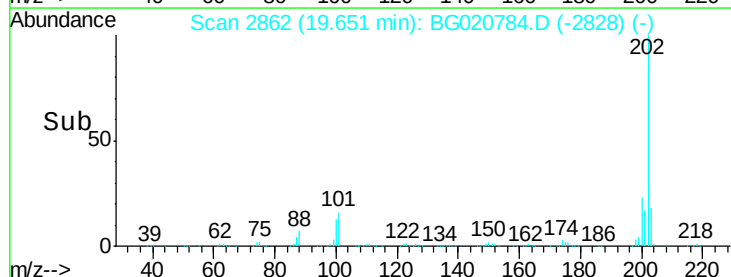
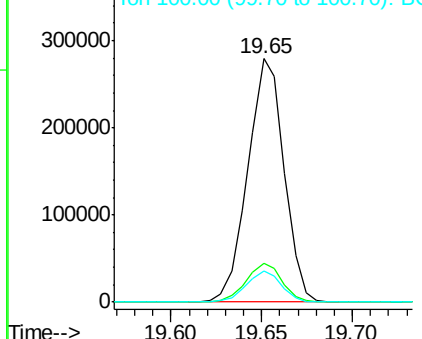
Tgt Ion:	202	Resp:	387348
Ion Ratio	Lower	Upper	
202	100		
101	16.1	6.1	9.1#
100	13.0	4.6	7.0#

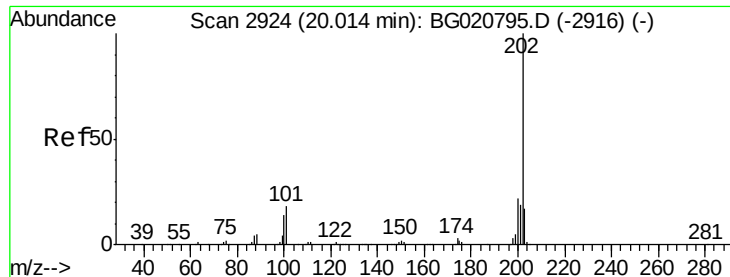


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





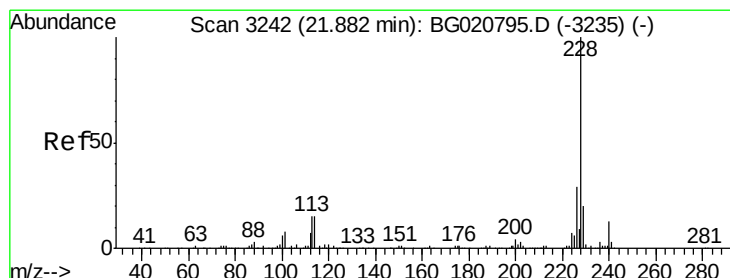
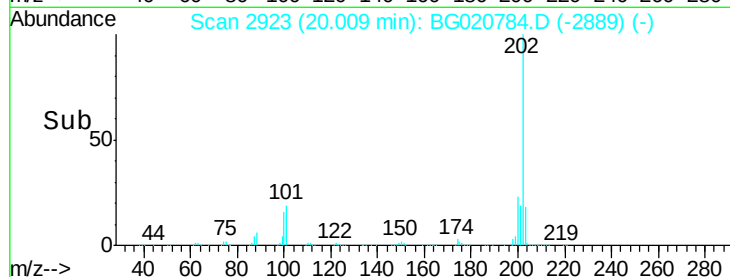
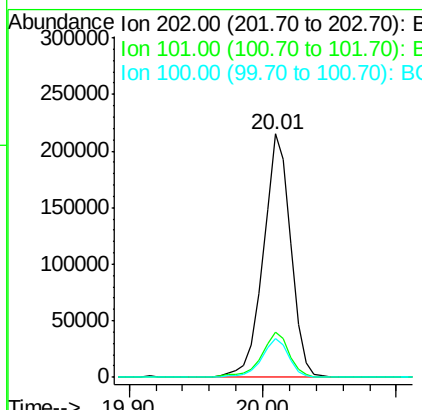
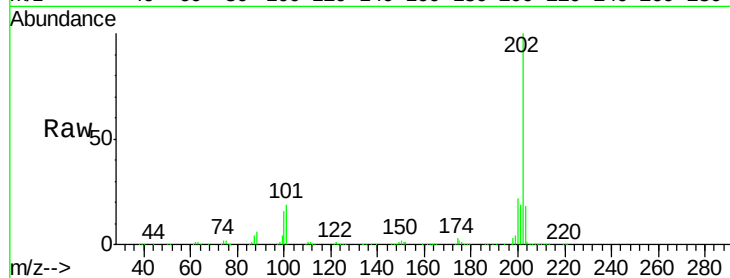
#80
Pvrene
Concen: 36.34 ng/ul
RT: 20.01 min Scan# 2923
Delta R.T. 0.00 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:	202	Resp:	303706
Ion Ratio	Lower	Upper	
202	100		
101	18.7	6.9	10.3#
100	15.9	5.6	8.4#

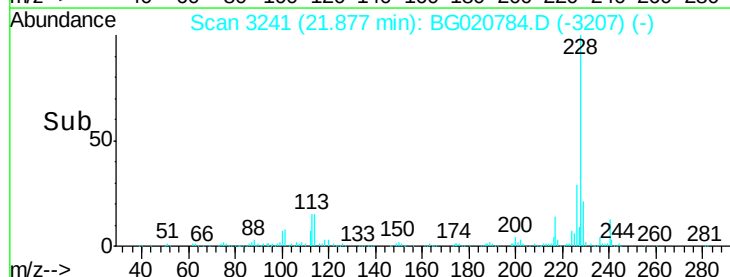
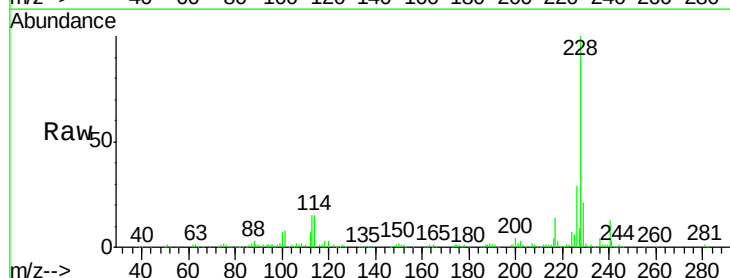
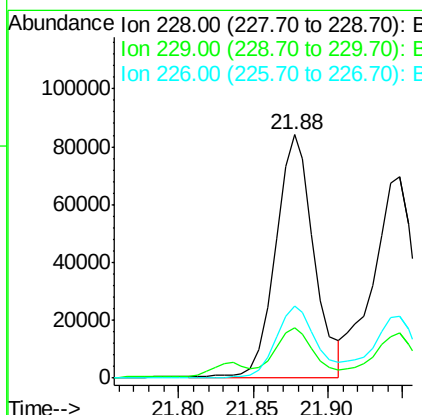
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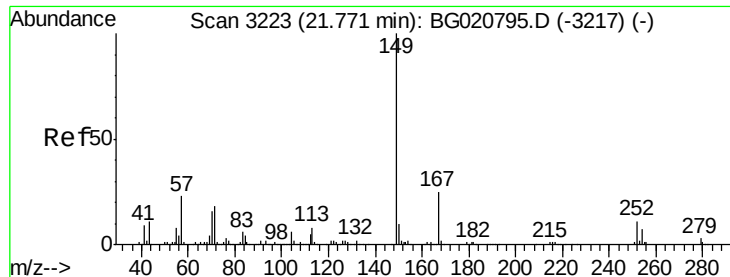
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#83
Benzo(a)anthracene
Concen: 21.14 ng/ul
RT: 21.88 min Scan# 3241
Delta R.T. 0.00 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Tgt Ion:	228	Resp:	150528
Ion Ratio	Lower	Upper	
228	100		
229	20.9	16.0	24.0
226	29.4	21.8	32.8





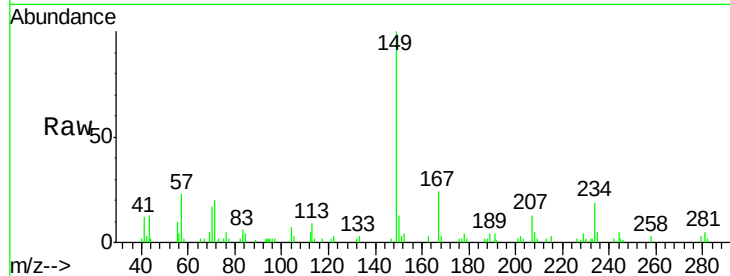
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.20 ng/ul
 RT: 21.77 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: BG020784.D
 Acq: 4 Feb 2016 13:13

Instrument :
 BNA_G
 ClientSampleId :
 BBG10

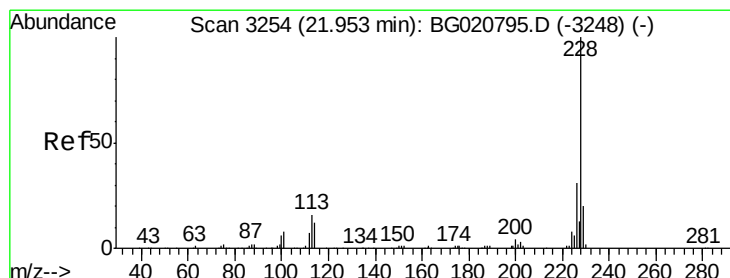
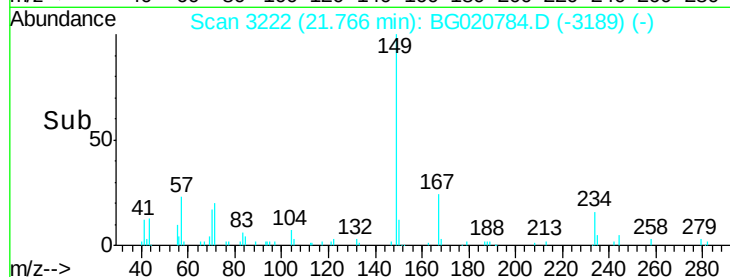
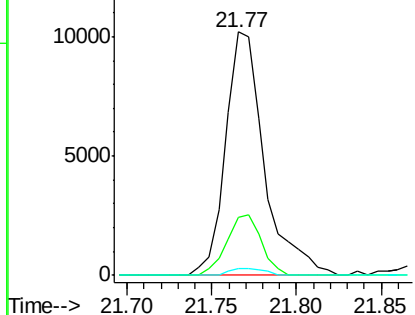
Tot Ion	Ratio	Resp	Lower	Upper
149	100	16283		
167	23.9	23.0	34.6	
279	2.5	4.3	6.5	

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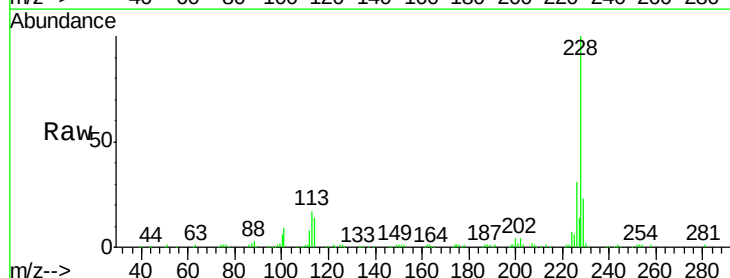


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

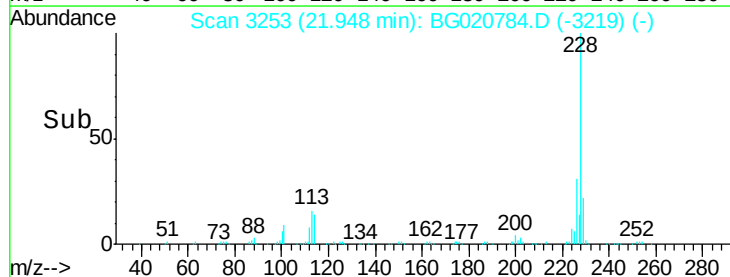
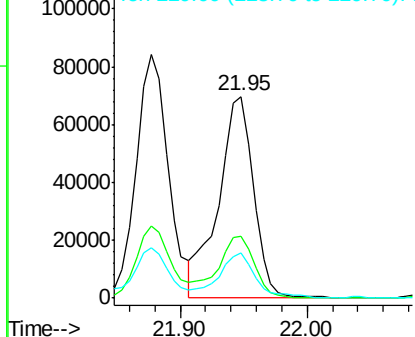


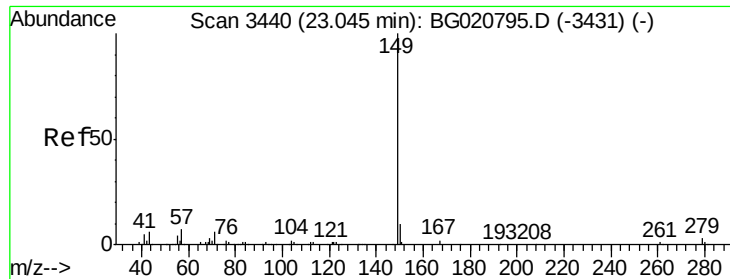
#85
 Chrysene
 Concen: 20.12 ng/ul
 RT: 21.95 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BG020784.D
 Acq: 4 Feb 2016 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	133068		
226	30.8	24.1	36.1	
229	22.6	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





#87

Di-n-octyl phthalate

Concen: 2.79 ng/ul

RT: 23.04 min Scan# 3439

Delta R.T. 0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Instrument :

BNA_G

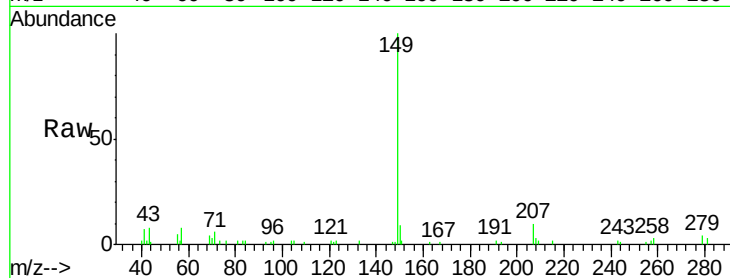
ClientSampleId :

BBG10

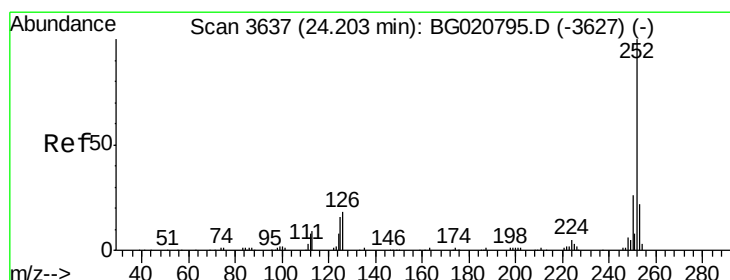
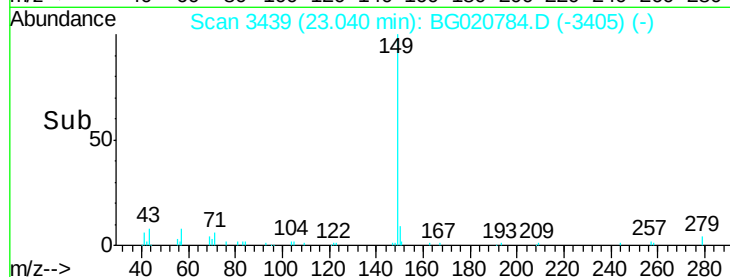
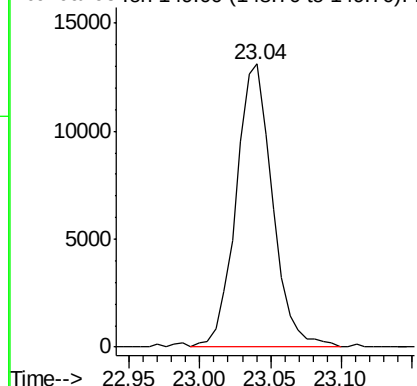
Tgt Ion:149 Resp: 23588

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Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 24.51 ng/ul

RT: 24.20 min Scan# 3637

Delta R.T. 0.01 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

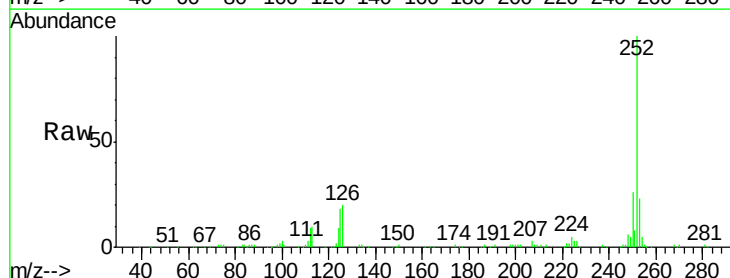
Tgt Ion:252 Resp: 168084

Ion Ratio Lower Upper

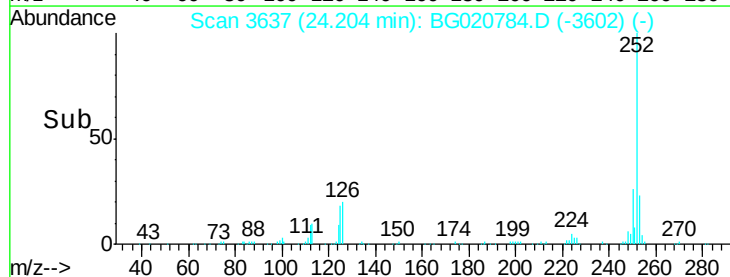
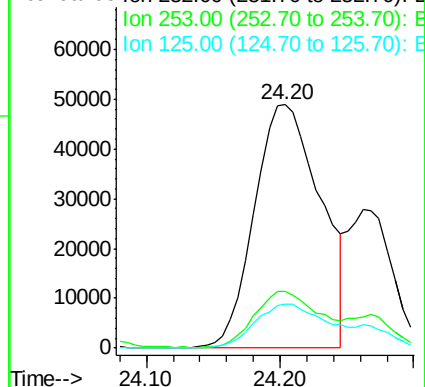
252 100

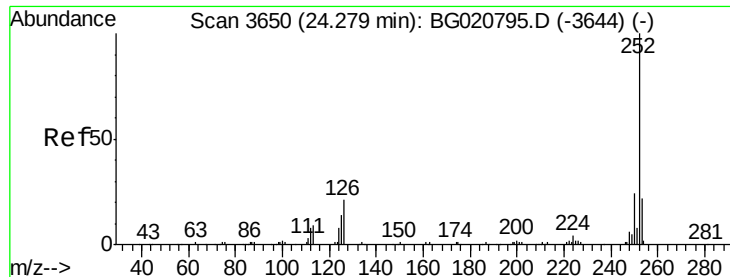
253 23.4 17.4 26.0

125 18.2 4.9 7.3#



Abundance Ion 252.00 (251.70 to 252.70): E





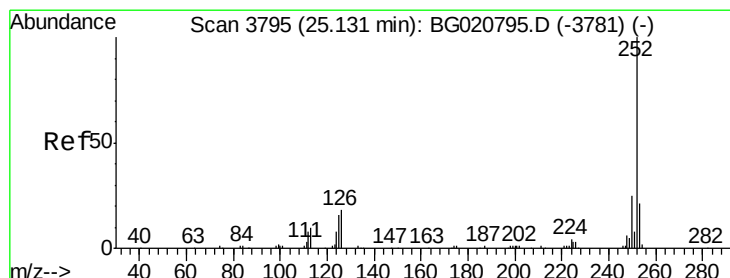
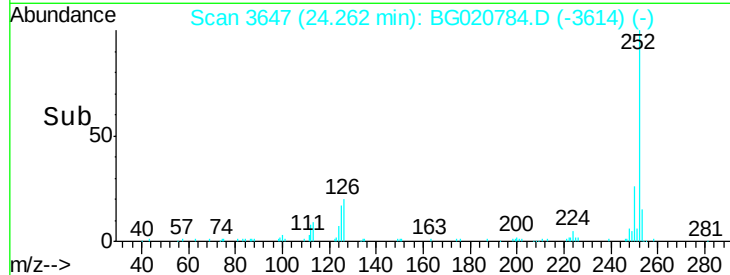
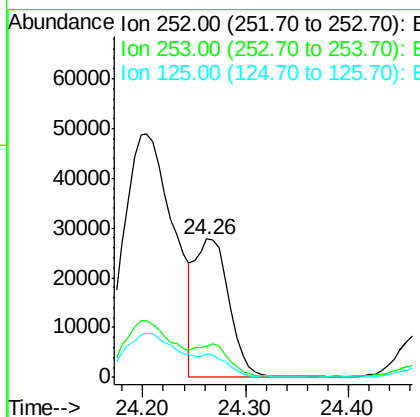
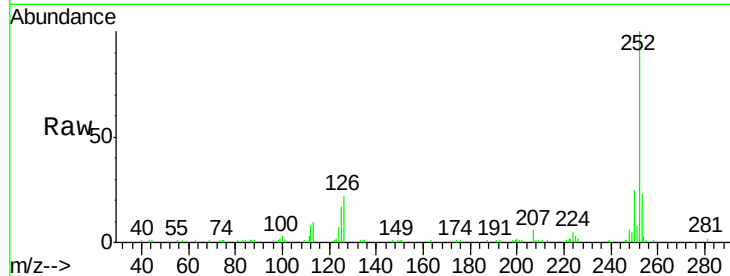
#89
Benzo(k)fluoranthene
Concen: 9.57 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.00 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Instrument :
BNA_G
ClientSampled :
BBG10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	16.7	5.4	8.0#

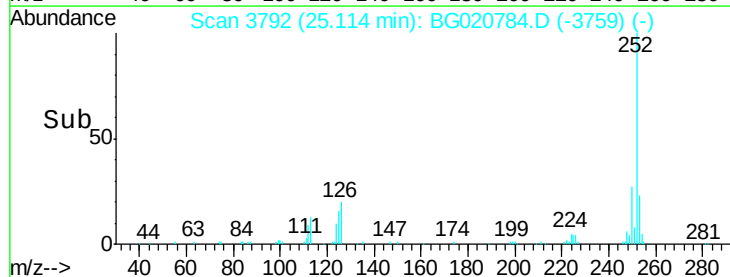
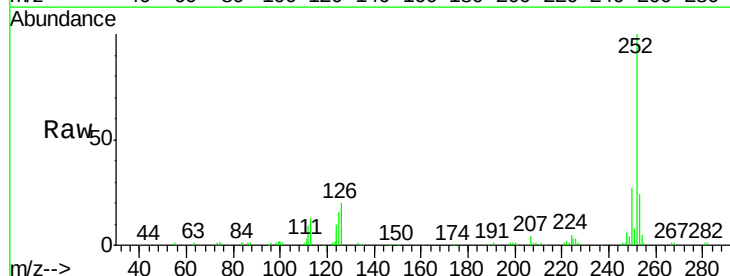
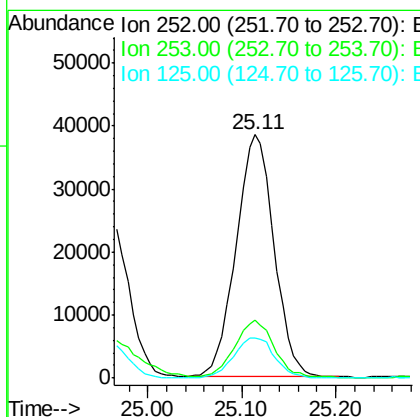
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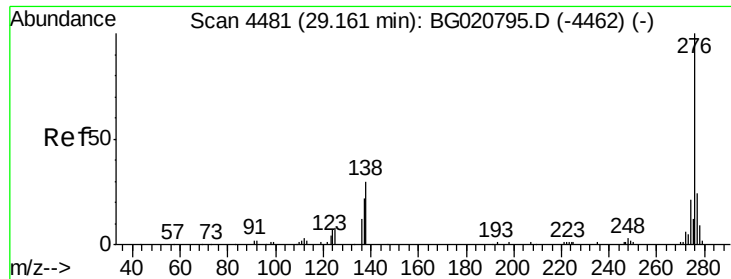
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#91
Benzo(a)pyrene
Concen: 16.38 ng/ul
RT: 25.11 min Scan# 3792
Delta R.T. -0.00 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	16.5	5.8	8.6#





#92

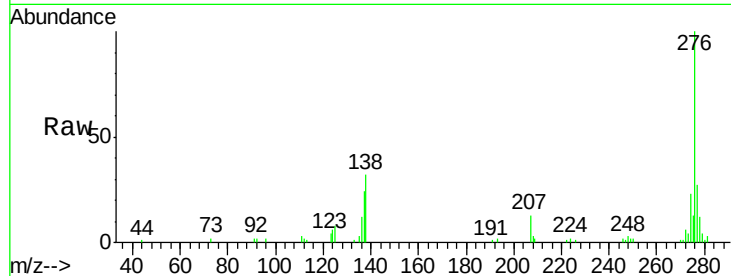
Indeno(1,2,3-cd)pyrene
Concen: 9.28 ng/ul
RT: 29.14 min Scan# 4477
Delta R.T. -0.00 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Instrument :
BNA_G
ClientSampleId :
BBG10

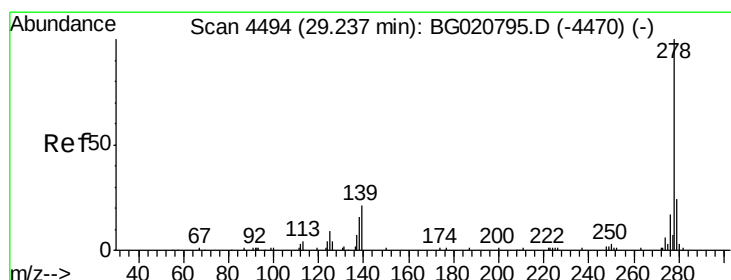
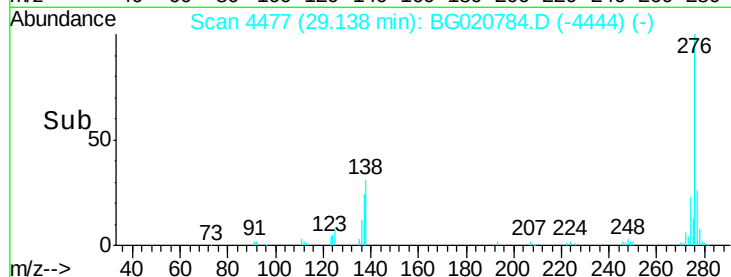
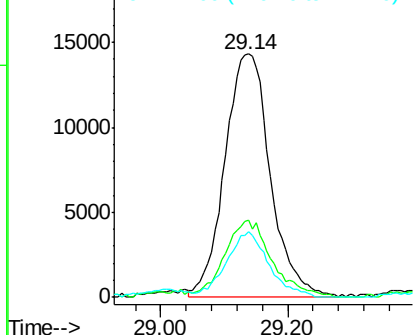
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	10.9	16.3#
277	26.7	18.9	28.3

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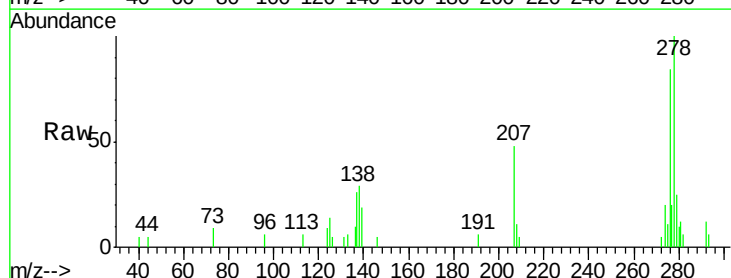
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



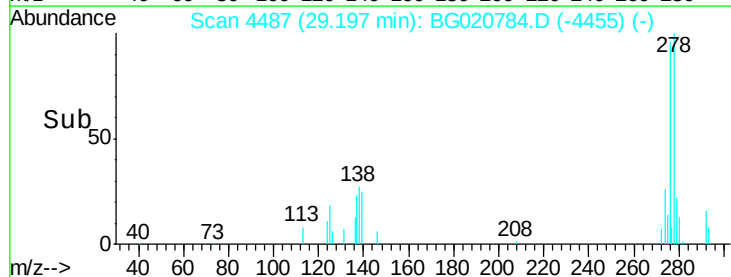
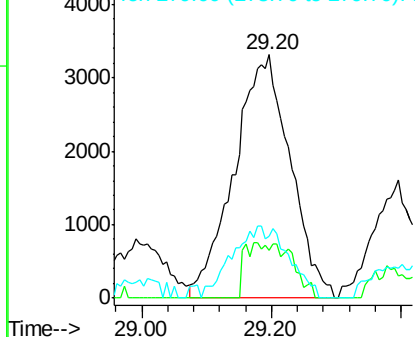
#93

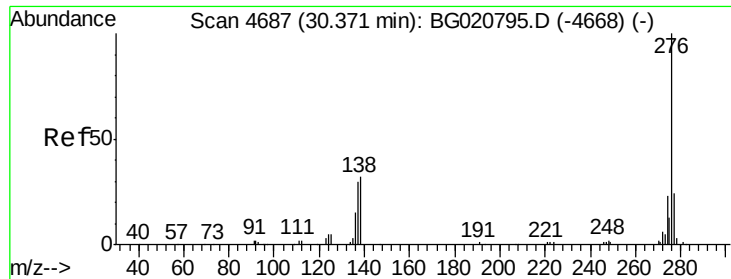
Dibenzo(a,h)anthracene
Concen: 3.15 ng/ul m
RT: 29.20 min Scan# 4487
Delta R.T. -0.01 min
Lab File: BG020784.D
Acq: 4 Feb 2016 13:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	9.0	13.4#
279	25.2	19.1	28.7



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(a,h,i)perylene

Concen: 9.56 ng/ul

RT: 30.35 min Scan# 4683

Delta R.T. 0.00 min

Lab File: BG020784.D

Acq: 4 Feb 2016 13:13

Instrument :

BNA_G

ClientSampleId :

BBG10

Tot Ion:	276	Resp:	60170
Ion Ratio		Lower	Upper
276	100		
138	30.5	11.2	16.8#
277	26.5	19.0	28.6

Manual Integrations
APPROVED

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