

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
 Data File : BG021894.D
 Acq On : 15 May 2016 15:34
 Operator : UM/SJ
 Sample : H3096-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

Manual Integrations
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Quant Time: May 16 14:20:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	60653	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	316721	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	184075	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	376088	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	401734	20.00	ng/ul	0.02
84) Perylene-d12	25.18	264	397688m	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3888	3.09	ng/uL	0.00
5) Phenol-d5	7.31	99	97128	21.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	48028	21.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	92468	26.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	60061	15.89	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	49904	23.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	54326	41.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	98596m	26.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	91632	22.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	314107	24.29	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	435133	23.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	31813m	14.35	ng/ul	0.00
58) Fluorene-d10	15.78	176	299920	22.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	29759	28.57	ng/ul	0.01
71) Anthracene-d10	17.64	188	413449	22.58	ng/ul	0.01
77) Pyrene-d10	19.92	212	457210	24.31	ng/ul	0.01
88) Benzo(a)pyrene-d12	24.95	264	417666	22.10	ng/ul	0.04

Target Compounds

					Qvalue	
6) Phenol	7.34	94	6343	1.33	ng/ul#	73
11) 2-Methylphenol	8.60	108	3913	1.04	ng/ul	86
16) 4-Methylphenol	8.93	108	13222m	3.18	ng/ul	
28) Naphthalene	11.03	128	1011071	63.66	ng/ul	98
34) 2-Methylnaphthalene	12.63	142	302773	25.89	ng/ul	97
35) 1-Methylnaphthalene	12.84	142	189318	16.32	ng/ul#	97
41) 1,1'-Biphenyl	13.62	154	100336	7.00	ng/ul	94
45) Dimethylphthalate	14.24	163	157442	11.95	ng/ul	98
48) Acenaphthylene	14.52	152	24704	1.31	ng/ul#	85
50) Acenaphthene	14.85	153	713373	54.59	ng/ul	95
54) Dibenzofuran	15.19	168	748604m	42.72	ng/ul	
59) Fluorene	15.83	166	1065968	70.35	ng/ul	97
69) Pentachlorophenol	17.19	266	4584m	2.64	ng/ul	
70) Phenanthrene	17.60	178	4717527	229.44	ng/ul#	30
72) Anthracene	17.68	178	1964826	94.08	ng/ul#	87
73) Carbazole	17.94	167	1423518	78.61	ng/ul	95
75) Fluoranthene	19.60	202	4634547	198.39	ng/ul#	49
78) Pyrene	19.96	202	4186707m	180.13	ng/ul	
81) Benzo(a)anthracene	21.82	228	3128303	139.93	ng/ul#	77
82) Bis(2-ethylhexyl)phthalate	21.69	149	14361	1.71	ng/ul#	79
83) Chrysene	21.89	228	2662945	120.42	ng/ul#	76
86) Benzo(b)fluoranthene	24.14	252	3748215m	164.66	ng/ul	
87) Benzo(k)fluoranthene	24.18	252	1247160m	51.18	ng/ul	

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Instrument :
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D9XG1

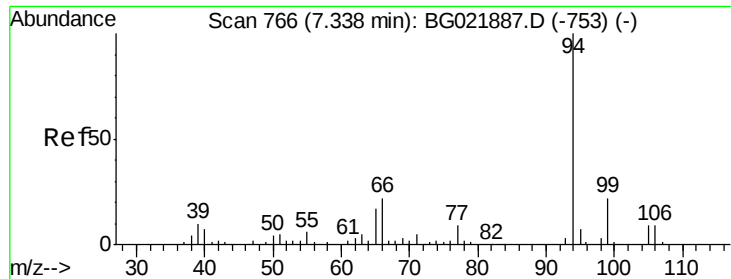
Manual Integrations
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Quant Time: May 16 14:20:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	25.04	252	2593376m	114.44	ng/ul	
90) Indeno(1,2,3-cd)pyrene	29.04	276	1814755m	67.57	ng/ul	
91) Dibenzo(a,h)anthracene	29.08	278	499492m	22.35	ng/ul	
92) Benzo(g,h,i)perylene	30.25	276	1654399m	74.64	ng/ul	

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



#6

Phenol

Concen: 1.33 ng/ul

RT: 7.34 min Scan# 766

Delta R.T. 0.00 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Instrument :

BNA_G

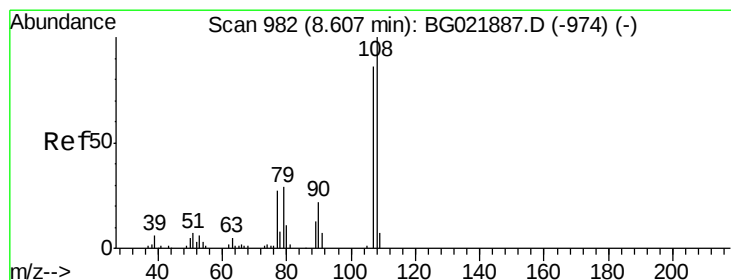
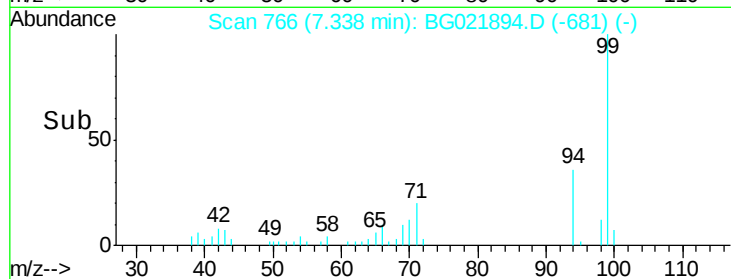
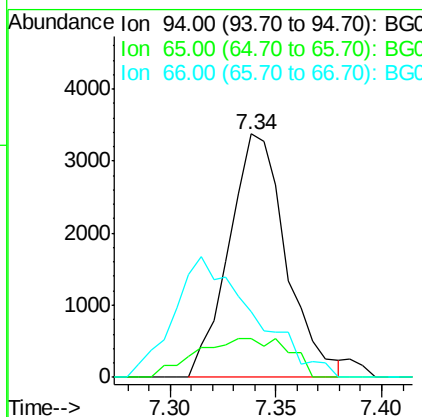
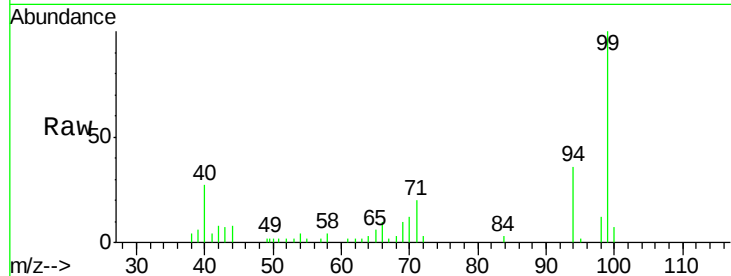
ClientSampleId :

D9XG1

Tgt Ion:	94	Resp:	6343
Ion Ratio	Lower	Upper	
94	100		
65	16.1	26.1	39.1#
66	26.9	35.0	52.4#

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#11

2-Methylphenol

Concen: 1.04 ng/ul

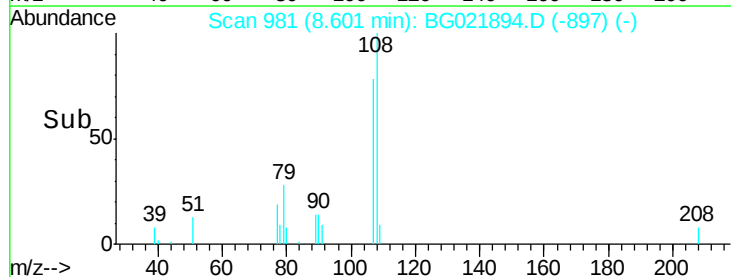
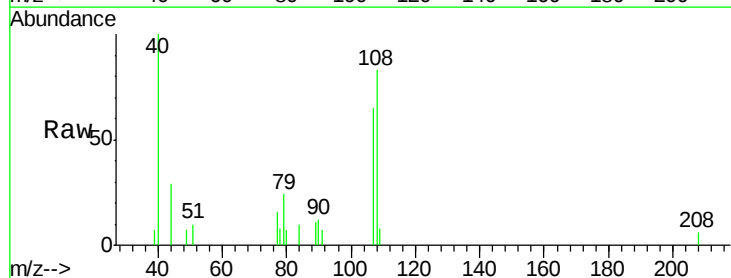
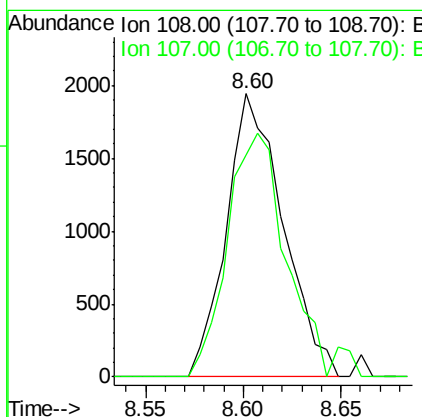
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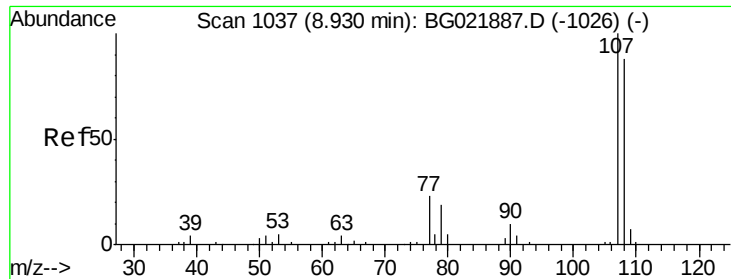
Delta R.T. -0.01 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Tgt Ion:	108	Resp:	3913
Ion Ratio	Lower	Upper	
108	100		
107	78.4	73.4	110.0





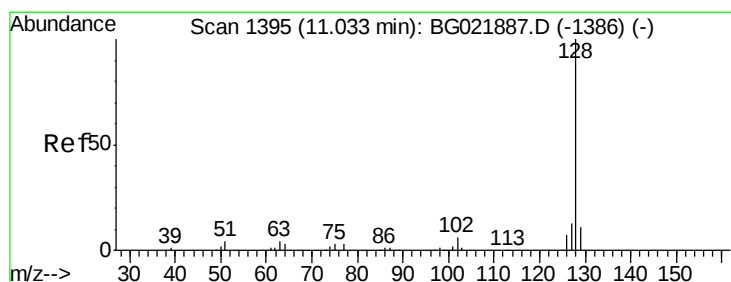
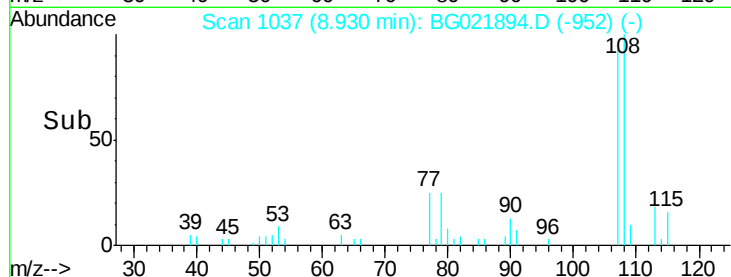
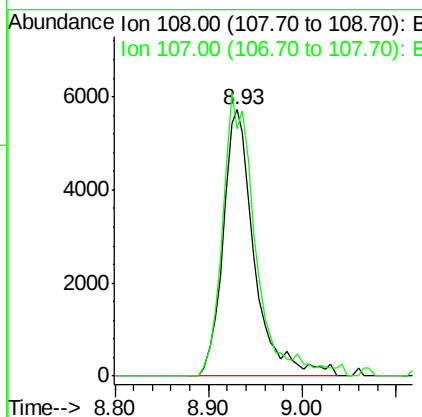
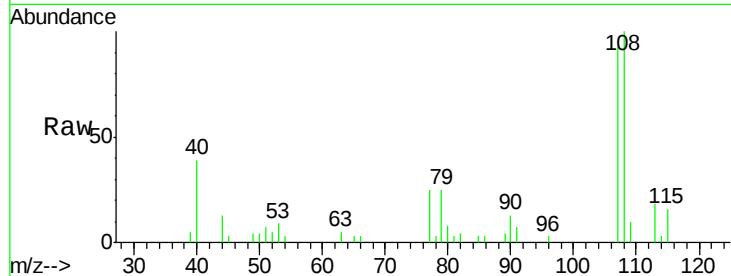
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4-Methylphenol
Concen: 3.18 ng/ul m
RT: 8.93 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Instrument :
BNA_G
ClientSampleId :
D9XG1

Tgt Ion:108 Resp: 13222
Ion Ratio Lower Upper
108 100
107 92.9 79.8 119.6

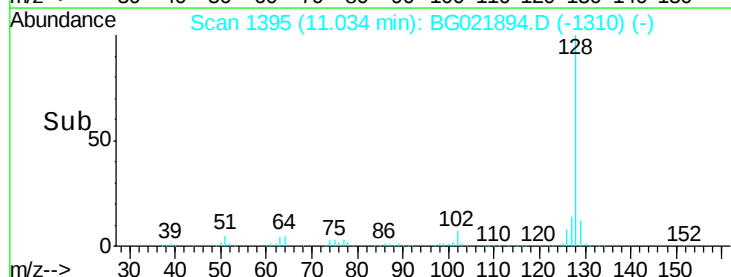
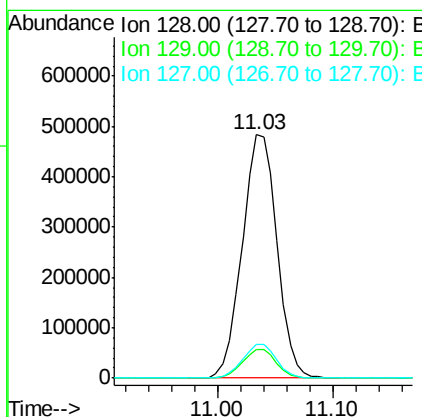
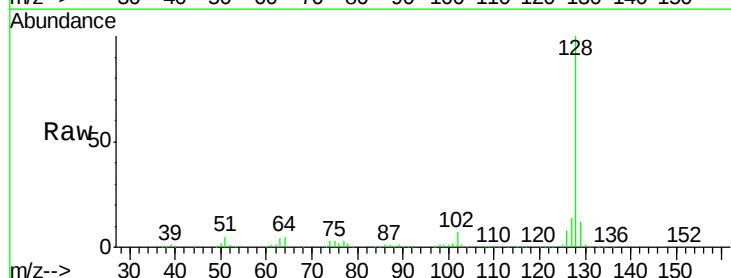
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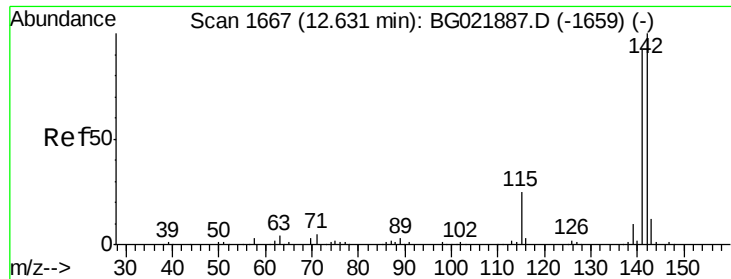
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#28
Naphthalene
Concen: 63.66 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Tgt Ion:128 Resp: 1011071
Ion Ratio Lower Upper
128 100
129 11.9 8.3 12.5
127 13.9 10.8 16.2





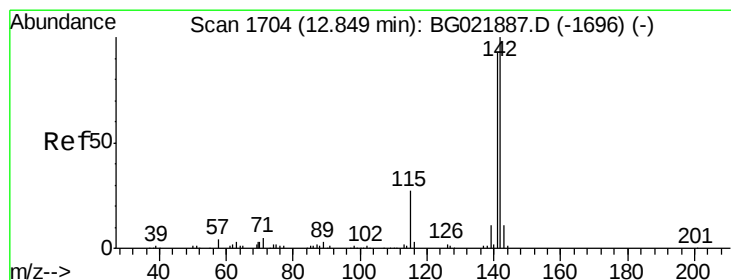
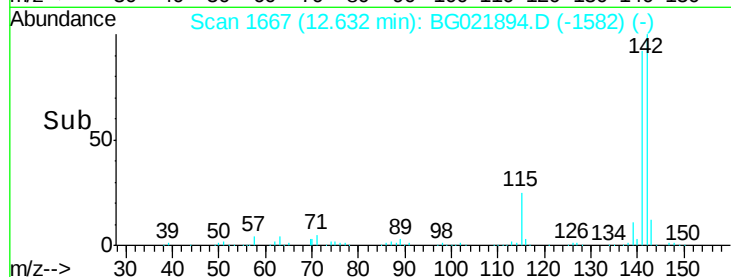
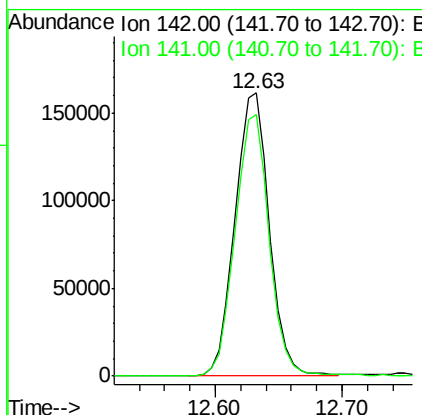
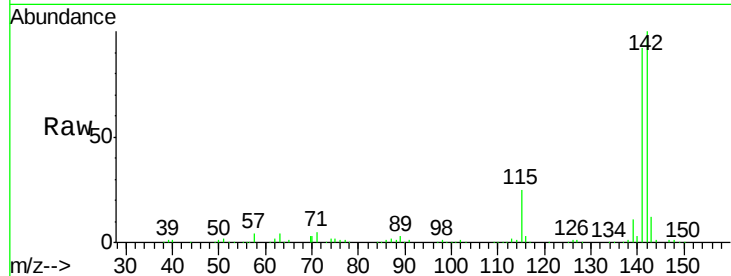
#34
 2-Methylnaphthalene
 Concen: 25.89 ng/ul
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	71.3	106.9

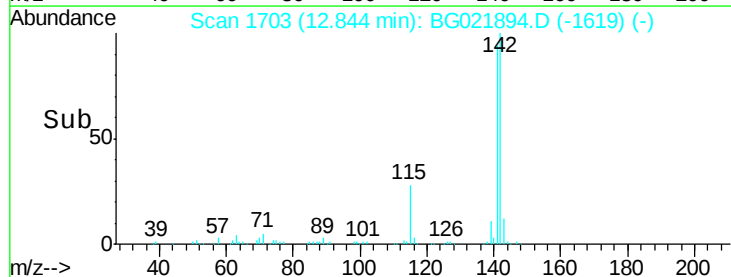
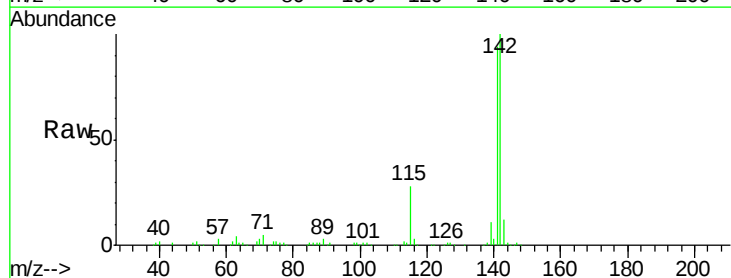
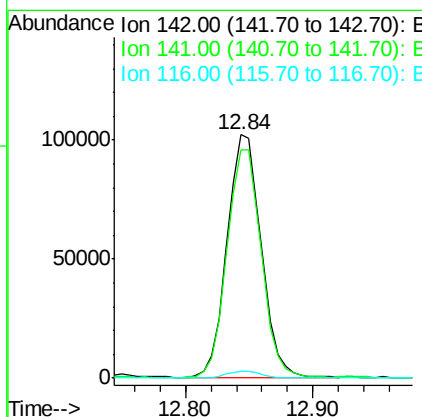
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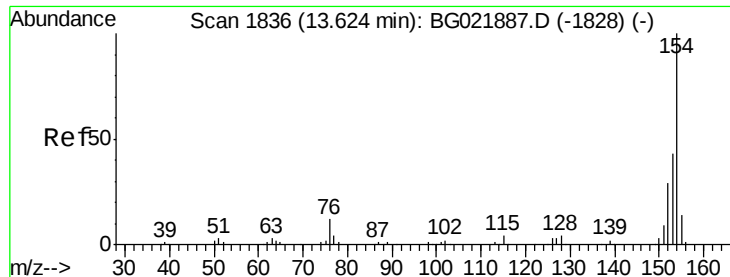
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#35
 1-Methylnaphthalene
 Concen: 16.32 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	77.0	115.4
116	3.0	4.2	6.4#





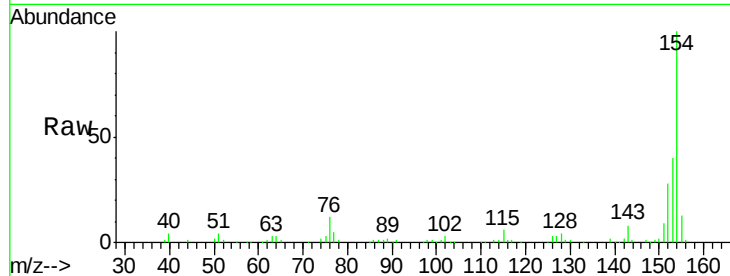
#41
 1,1'-Biphenyl
 Concen: 7.00 ng/ul
 RT: 13.62 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

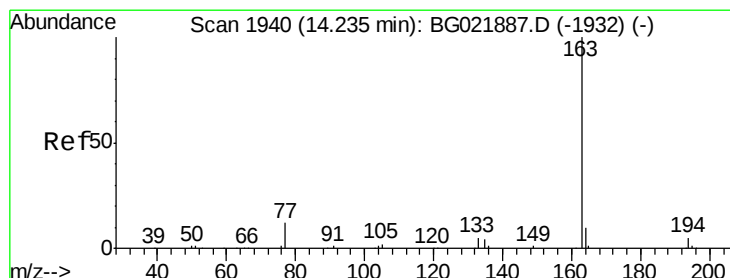
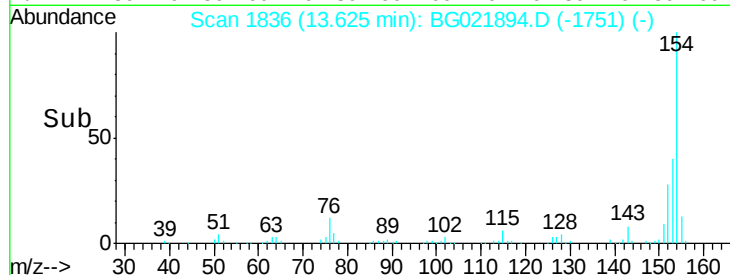
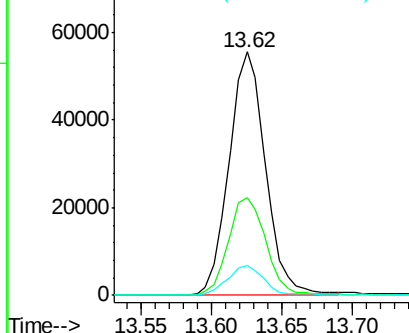
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	100336		
153	40.2		35.4	53.2
76	12.4		12.1	18.1

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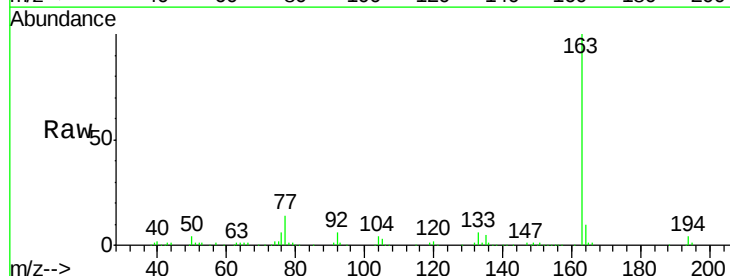


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

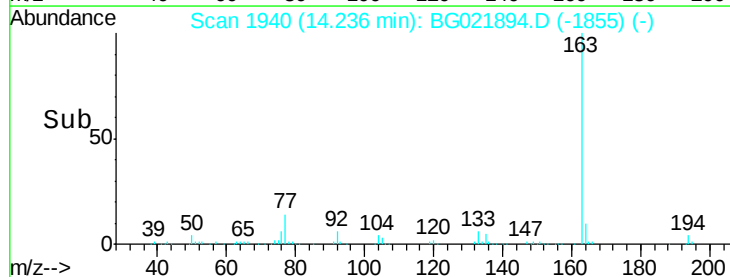
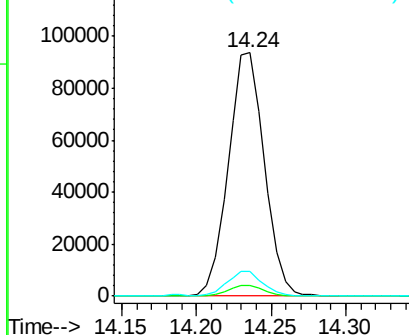


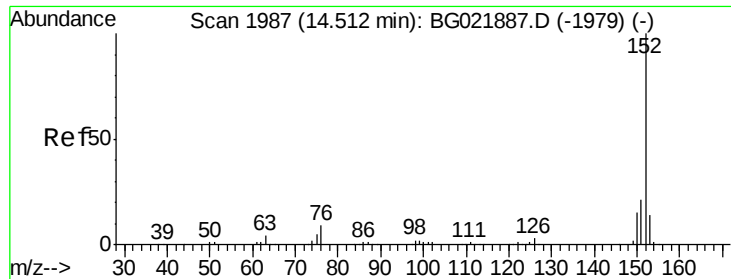
#45
 Dimethylphthalate
 Concen: 11.95 ng/ul
 RT: 14.24 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	157442		
194	4.2		3.9	5.9
164	10.0		8.7	13.1



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





#48

Acenaphthylene

Concen: 1.31 ng/ul

RT: 14.52 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BG021894.D

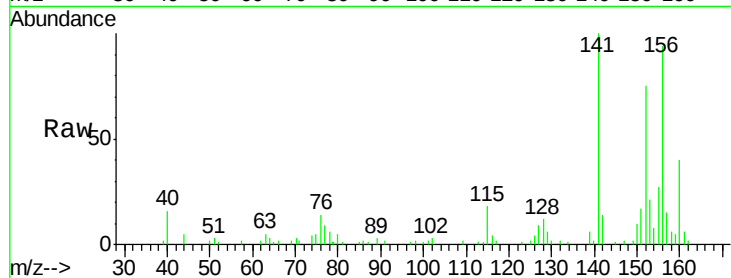
Acq: 15 May 2016 15:34

Instrument :

BNA_G

ClientSampleId :

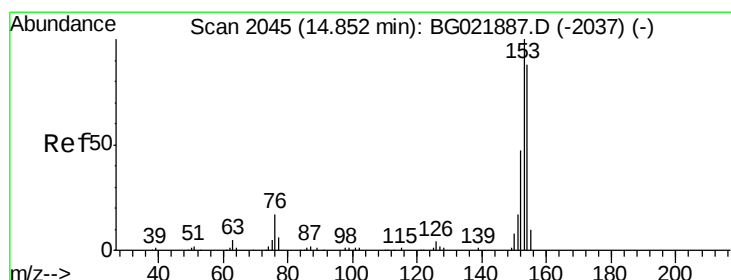
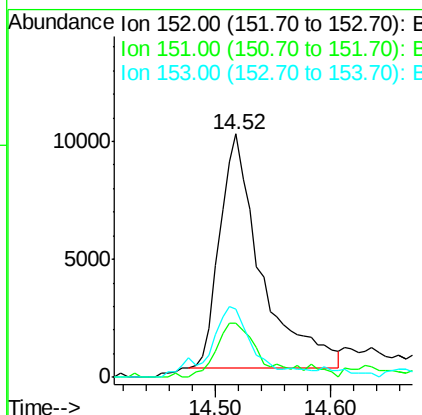
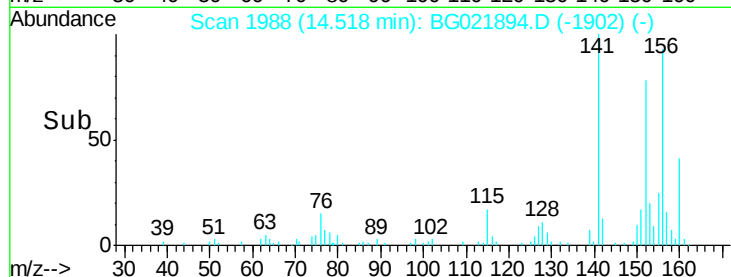
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.3	25.9
153	27.8	11.1	16.7

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#50

Acenaphthene

Concen: 54.59 ng/ul

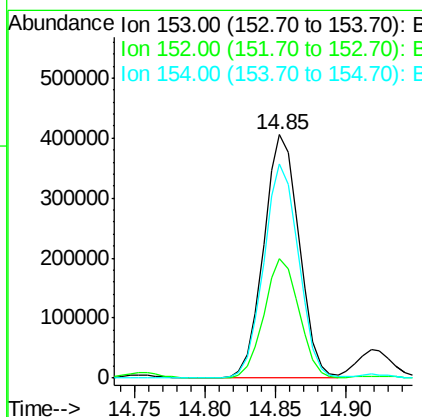
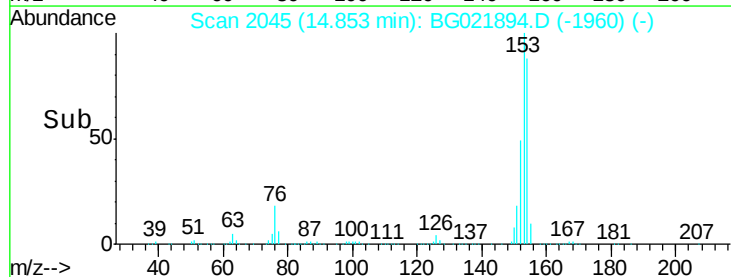
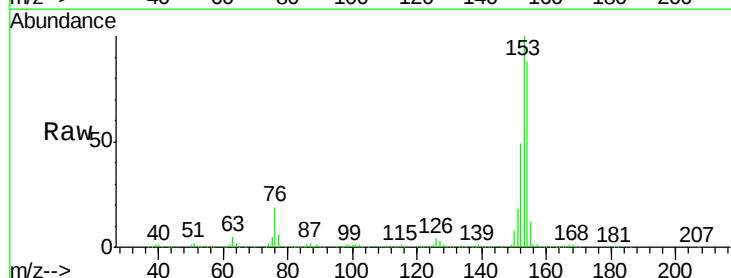
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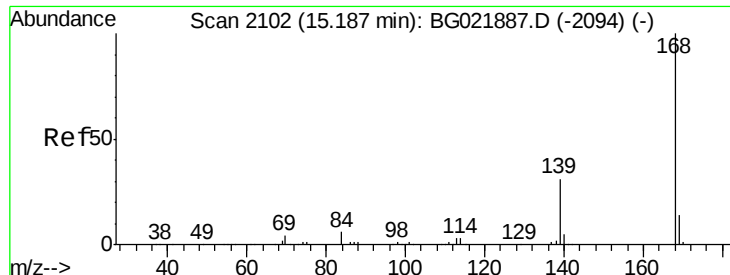
Delta R.T. 0.00 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.2	36.5	54.7
154	88.0	67.3	100.9





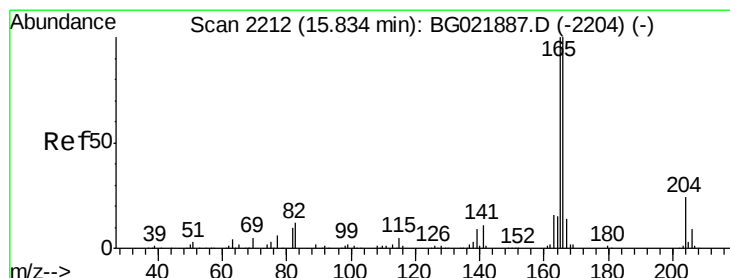
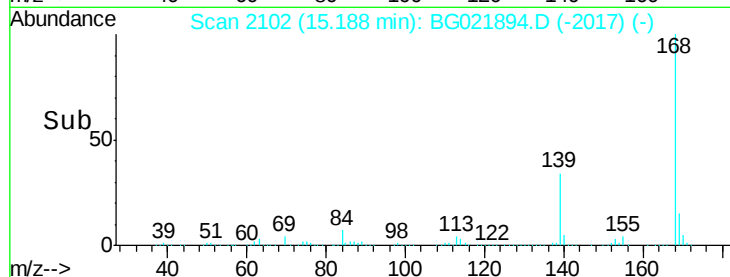
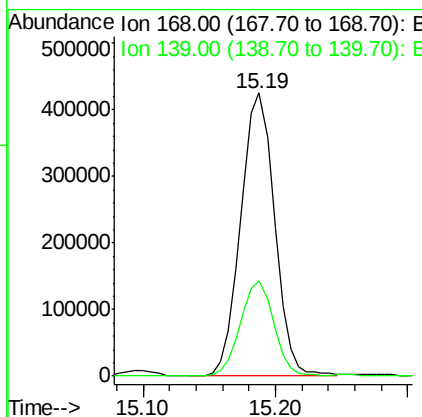
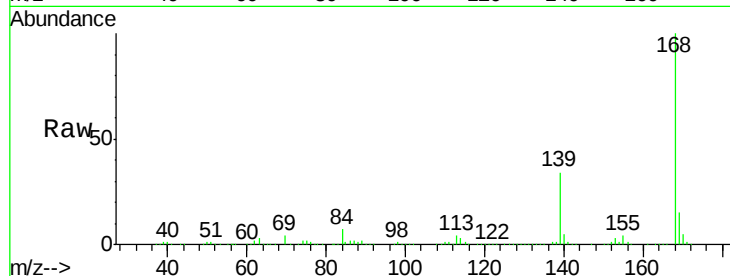
#54
Dibenzenofuran
Concen: 42.72 ng/ul m
RT: 15.19 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Instrument :
BNA_G
ClientSampleId :
D9XG1

Tgt Ion:168 Resp: 748604
Ion Ratio Lower Upper
168 100
139 33.6 35.2 52.8#

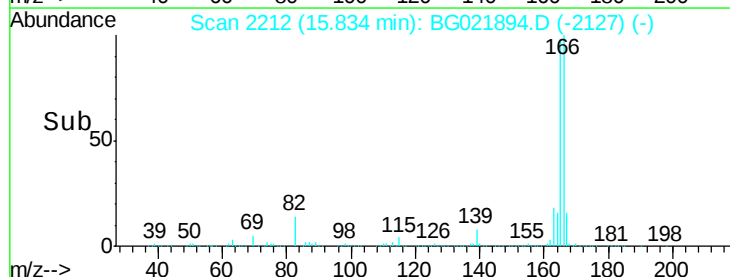
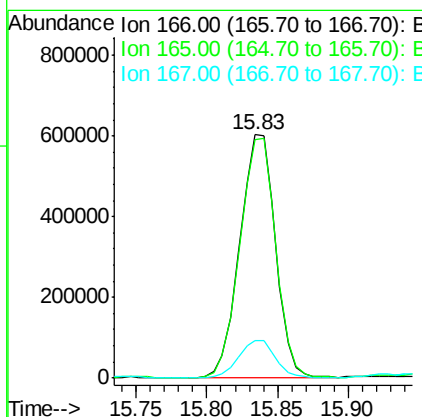
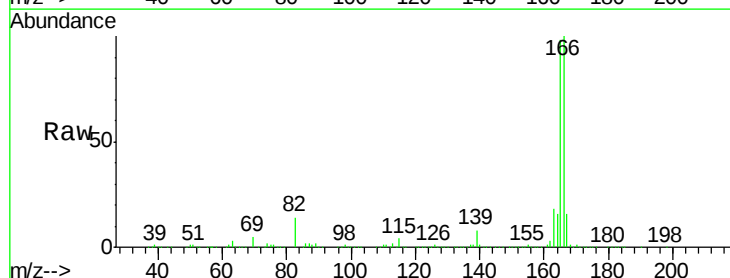
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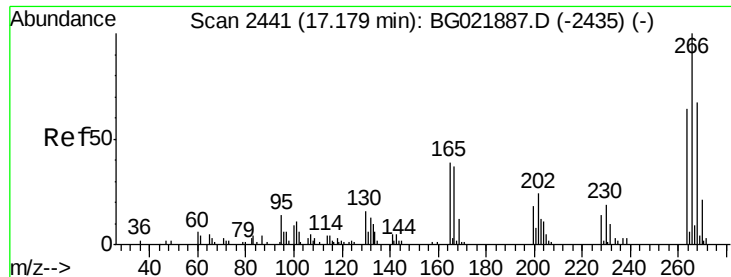
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#59
Fluorene
Concen: 70.35 ng/ul
RT: 15.83 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Tgt Ion:166 Resp: 1065968
Ion Ratio Lower Upper
166 100
165 98.2 81.1 121.7
167 15.6 10.6 16.0





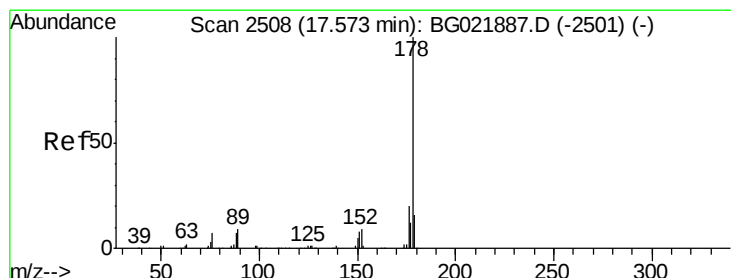
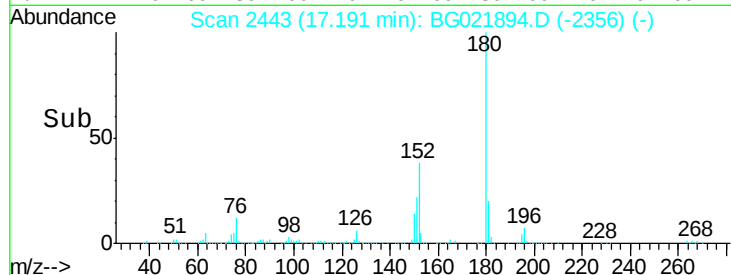
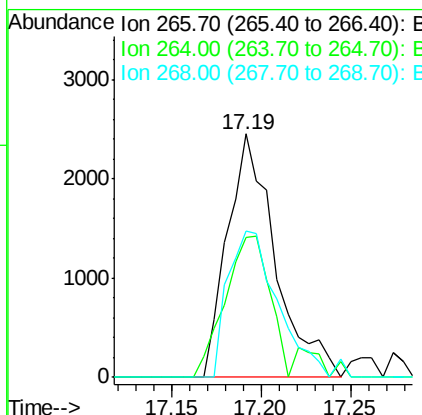
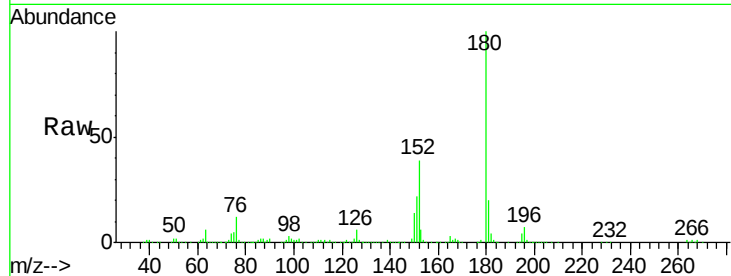
#69
 Pentachlorophenol
 Concen: 2.64 ng/ul m
 RT: 17.19 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

Tgt Ion	Ratio	Lower	Upper
266	100		
264	57.7	56.7	85.1
268	60.2	50.6	76.0

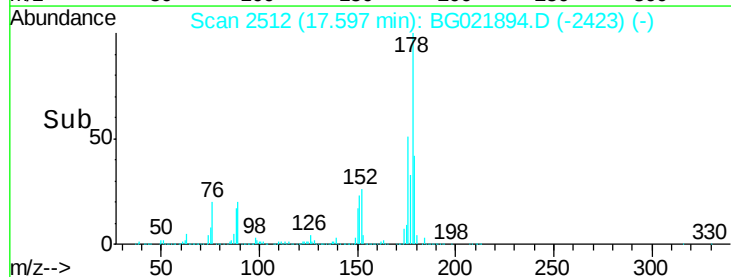
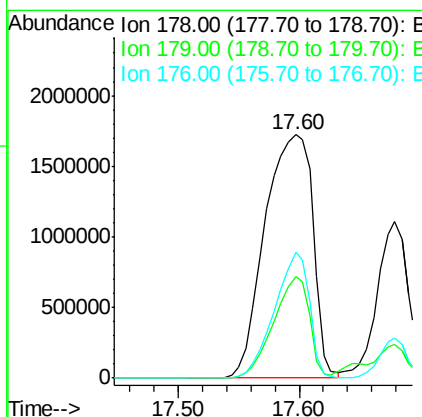
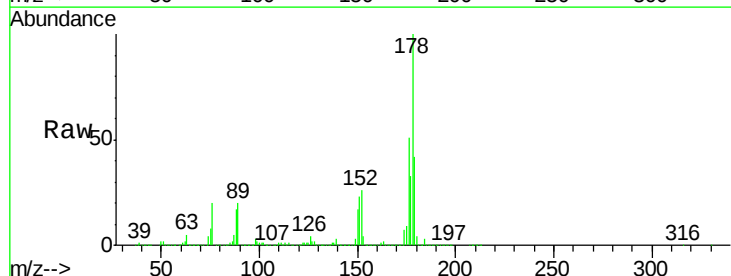
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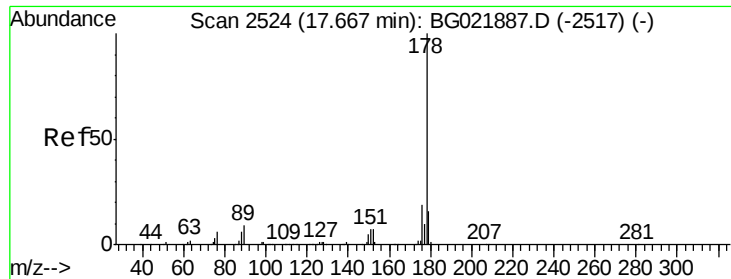
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#70
 Phenanthrene
 Concen: 229.44 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.02 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	42.0	11.8	17.8#
176	51.5	14.8	22.2#





#72

Anthracene

Concen: 94.08 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. 0.01 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Instrument :

BNA_G

ClientSampleId :

D9XG1

Tgt Ion:178 Resp: 1964826

Ion Ratio Lower Upper

178 100

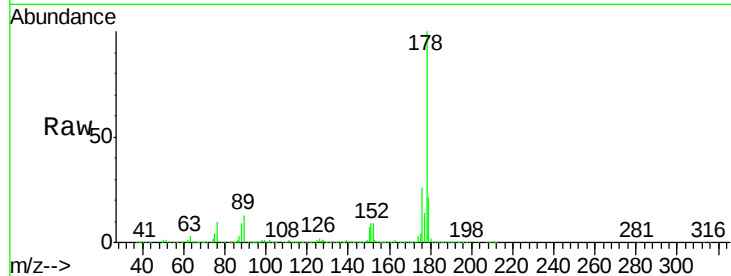
179 21.4 12.9 19.3#

176 25.8 15.6 23.4#

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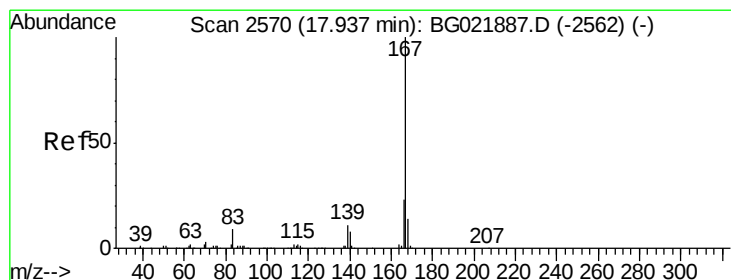
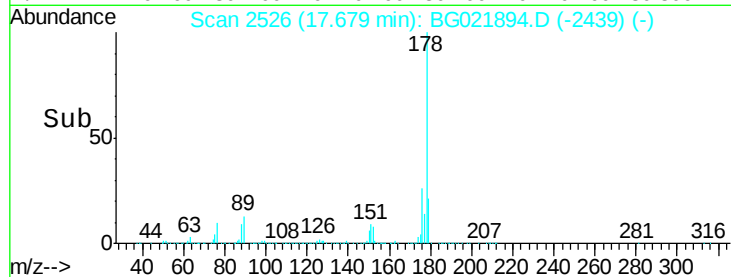
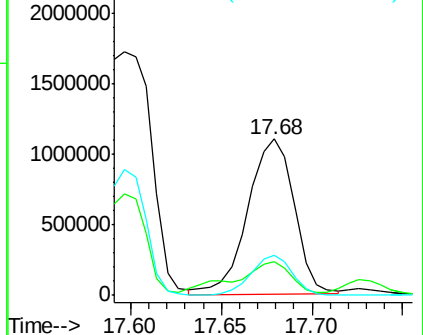
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#73

Carbazole

Concen: 78.61 ng/ul

RT: 17.94 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

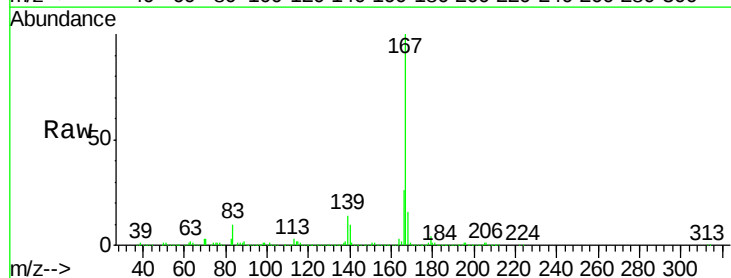
Tgt Ion:167 Resp: 1423518

Ion Ratio Lower Upper

167 100

166 26.4 19.0 28.4

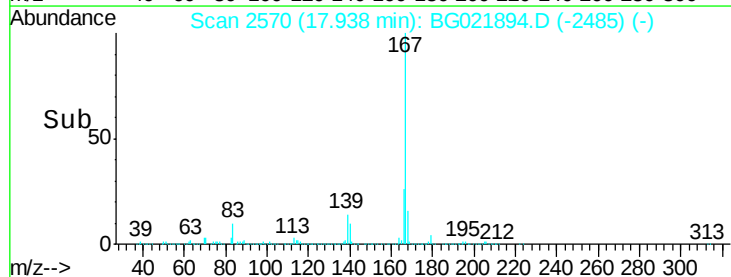
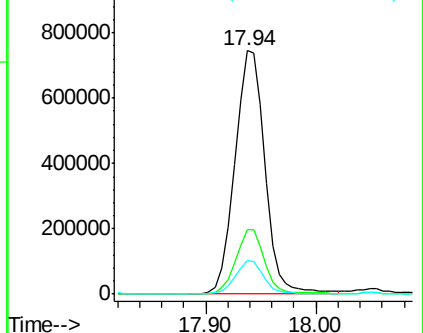
139 13.8 12.2 18.4

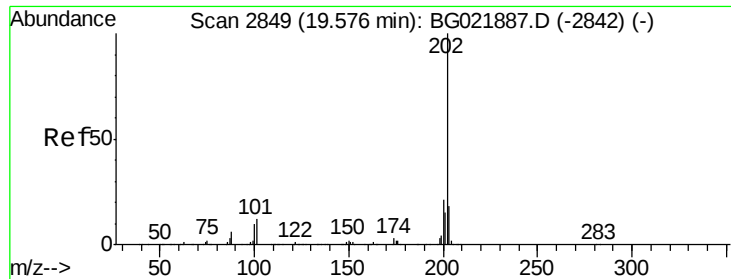


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 198.39 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.02 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Instrument :

BNA_G

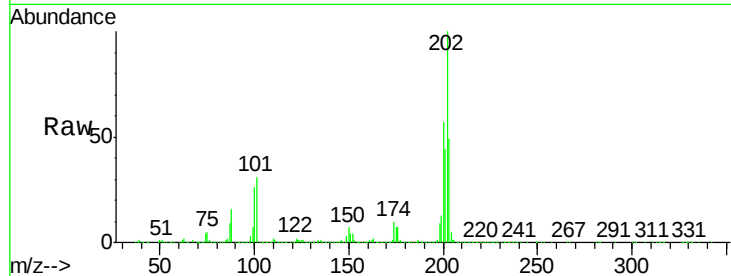
ClientSampleId :

D9XG1

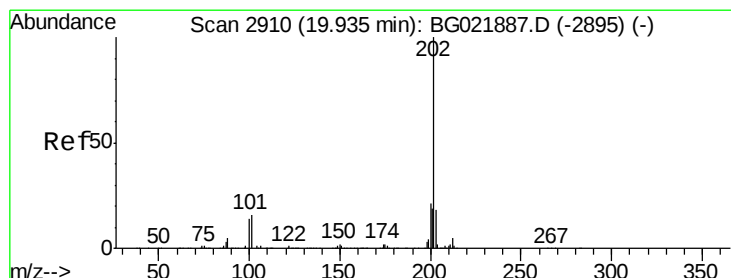
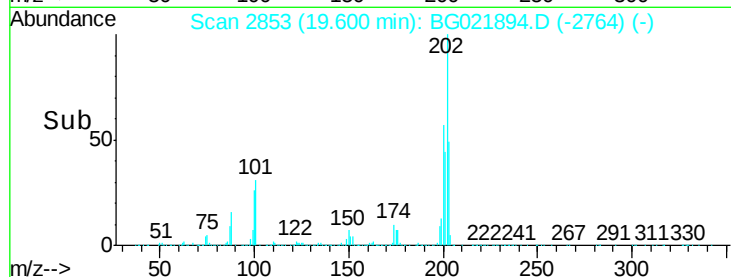
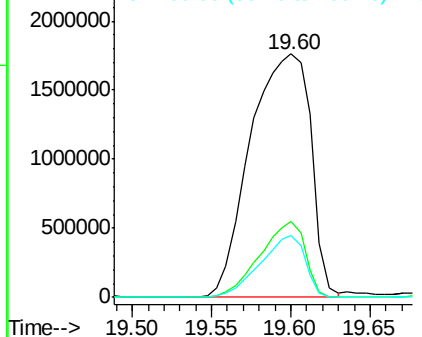
Tgt	Ion	202	Resp	4634547
Ion	Ratio	Lower	Upper	
202	100			
101	31.4	8.9	13.3#	
100	25.6	7.0	10.4#	

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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



#78

Pyrene

Concen: 180.13 ng/ul m

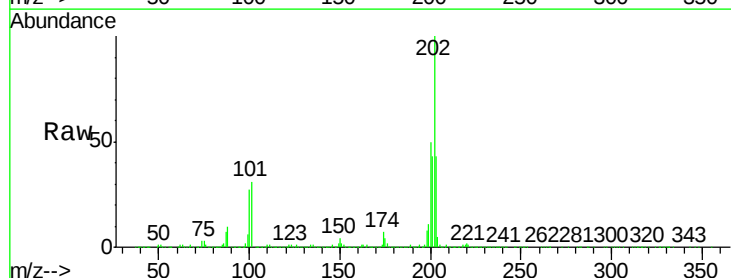
RT: 19.96 min Scan# 2914

Delta R.T. 0.02 min

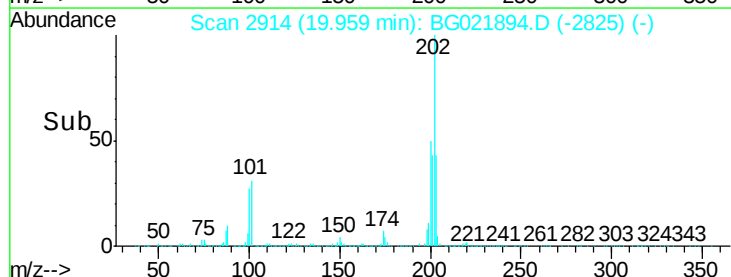
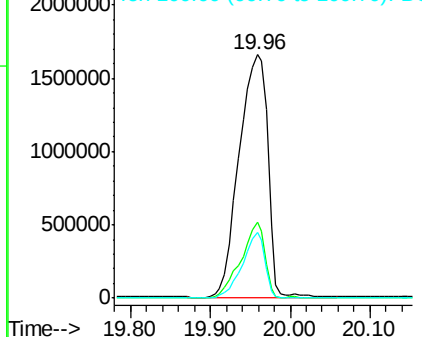
Lab File: BG021894.D

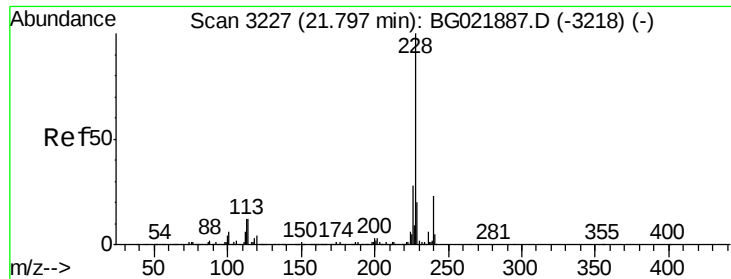
Acq: 15 May 2016 15:34

Tgt	Ion	202	Resp	4186707
Ion	Ratio	Lower	Upper	
202	100			
101	31.4	9.8	14.8#	
100	27.0	9.3	13.9#	



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





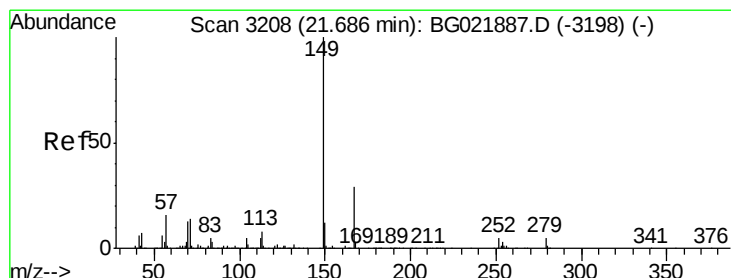
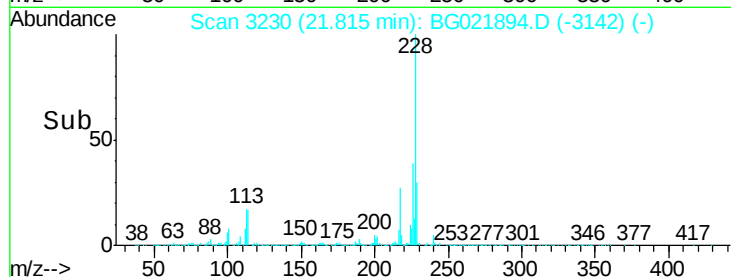
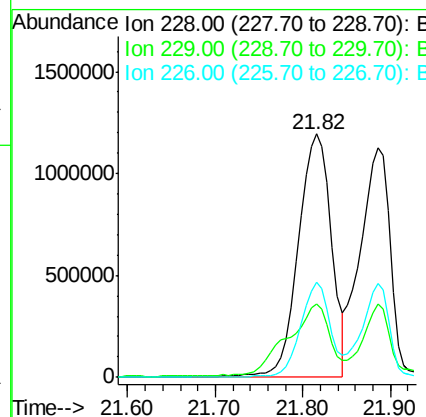
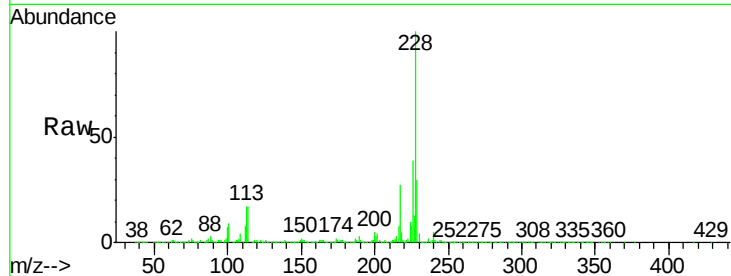
#81
Benzo(a)anthracene
Concen: 139.93 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. 0.02 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Instrument :
BNA_G
ClientSampleId :
D9XG1

Tgt Ion	Ratio	Lower	Upper
228	100		
229	30.3	16.6	25.0#
226	39.2	21.0	31.4#

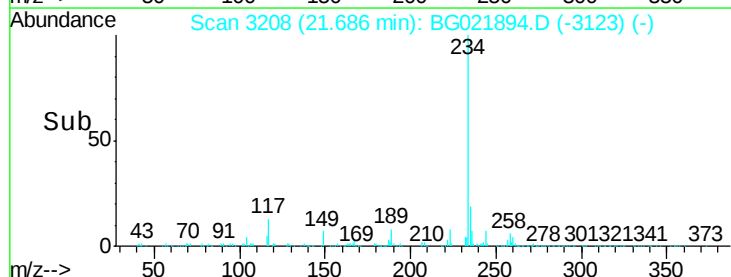
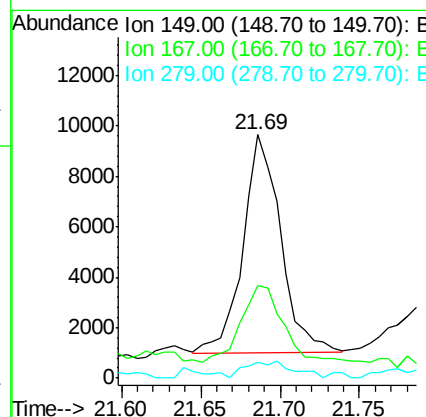
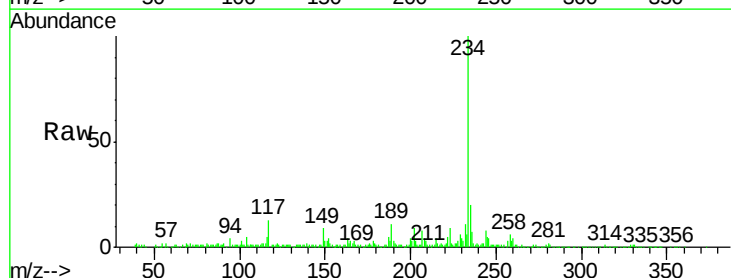
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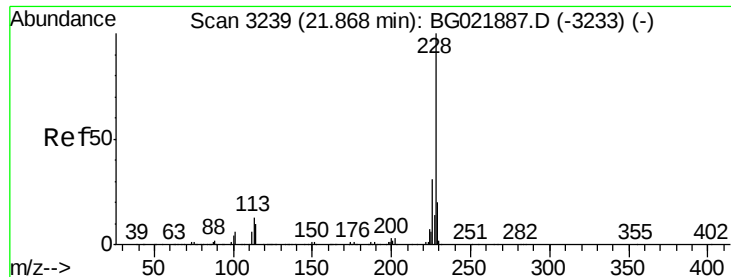
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#82
Bis(2-ethylhexyl)phthalate
Concen: 1.71 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG021894.D
Acq: 15 May 2016 15:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	37.8	20.5	30.7#
279	6.5	3.7	5.5#





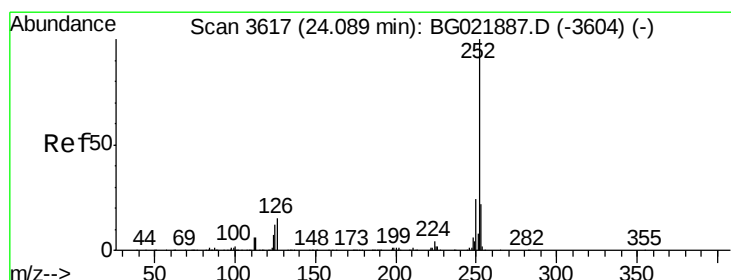
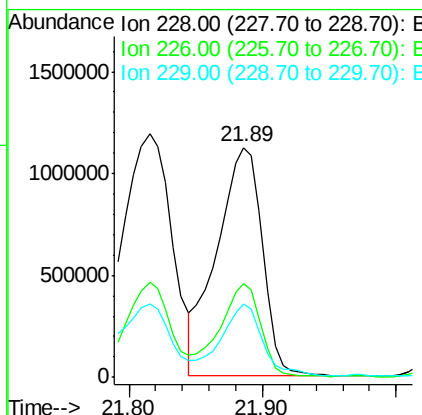
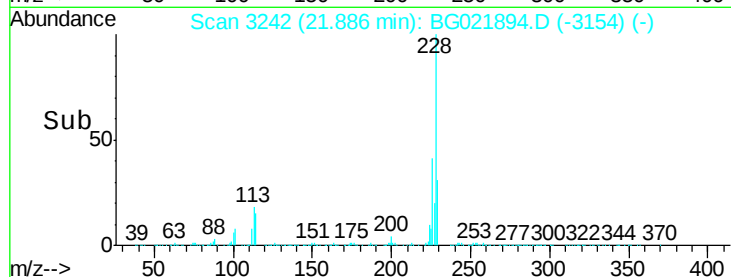
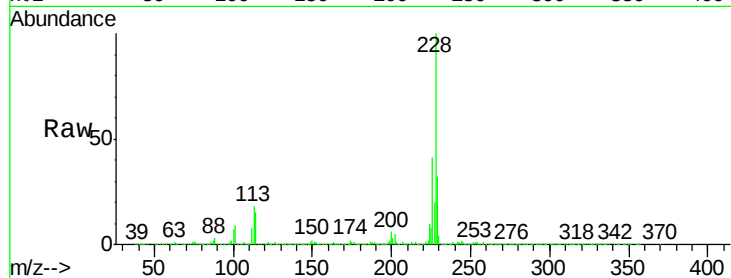
#83
Chrysene
 Concen: 120.42 ng/ul
 RT: 21.89 min Scan# 3242
 Delta R.T. 0.02 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

Tgt Ion:228 Resp: 2662945
 Ion Ratio Lower Upper
 228 100
 226 41.0 23.4 35.2#
 229 32.2 16.2 24.2#

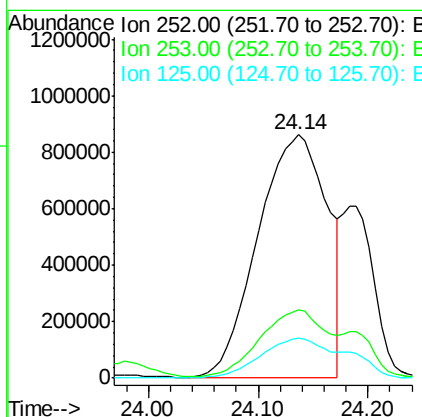
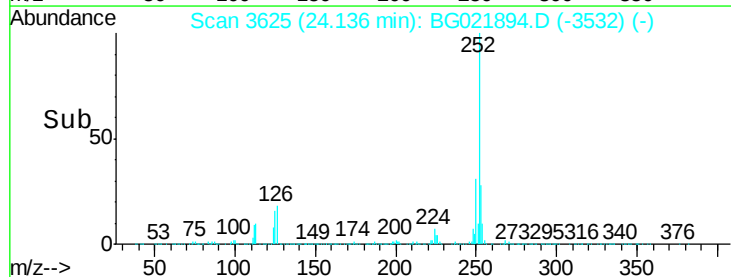
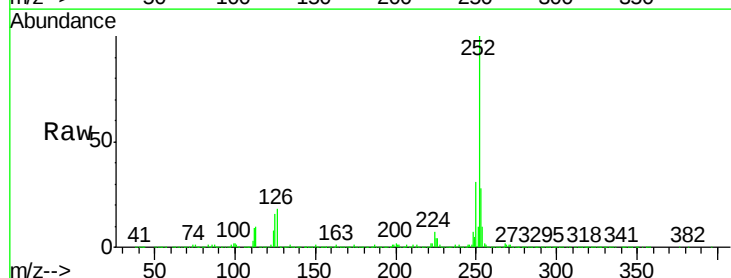
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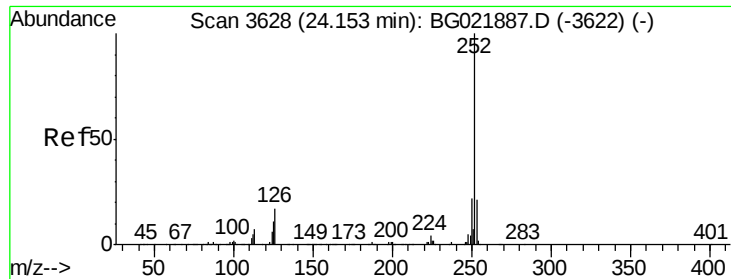
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#86
Benzo(b)fluoranthene
 Concen: 164.66 ng/ul m
 RT: 24.14 min Scan# 3625
 Delta R.T. 0.05 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Tgt Ion:252 Resp: 3748215
 Ion Ratio Lower Upper
 252 100
 253 27.9 18.1 27.1#
 125 16.2 7.6 11.4#





#87

Benzo(k)fluoranthene

Concen: 51.18 ng/ul m

RT: 24.18 min Scan# 3633

Delta R.T. 0.03 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Instrument :

BNA_G

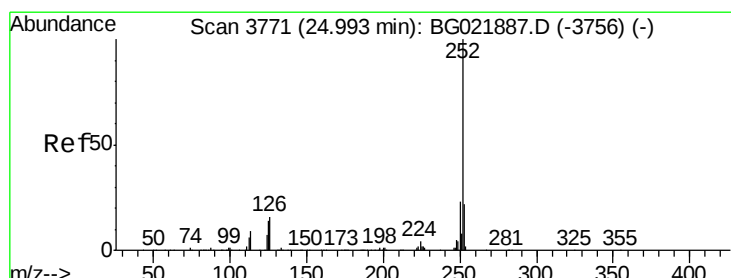
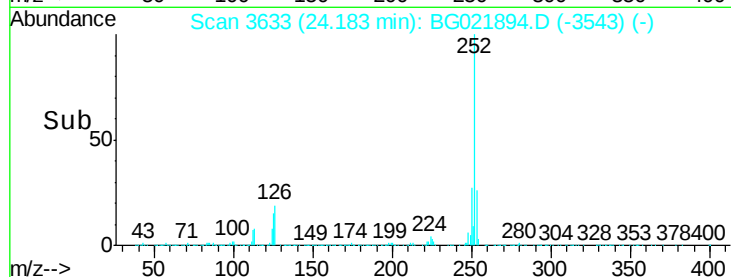
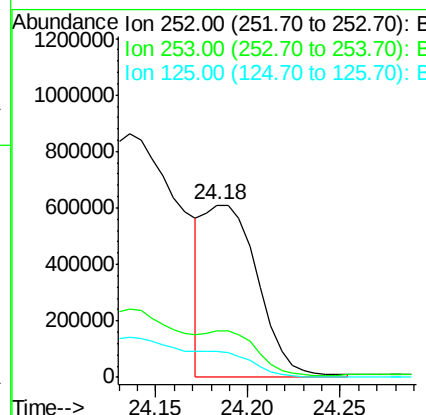
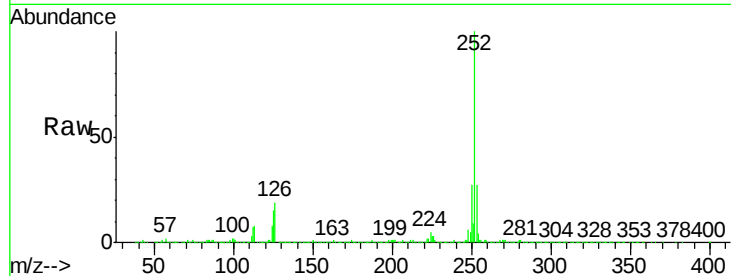
ClientSampleId :

D9XG1

Tgt Ion:	252	Resp:	1247160
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.8	26.8
125	14.8	7.7	11.5#

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#89

Benzo(a)pyrene

Concen: 114.44 ng/ul m

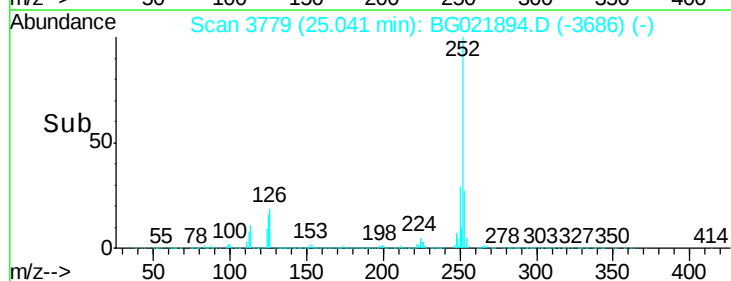
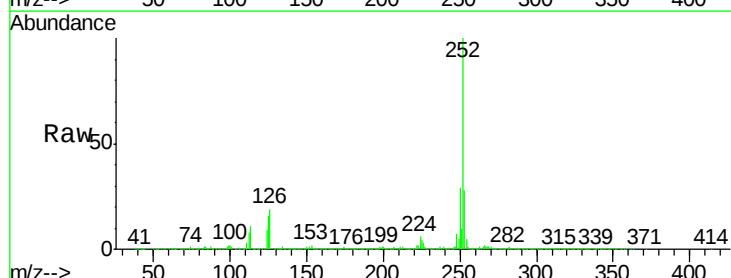
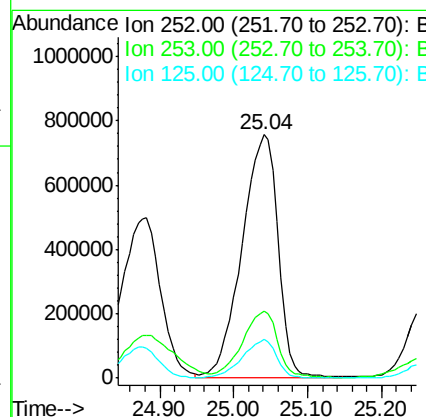
RT: 25.04 min Scan# 3779

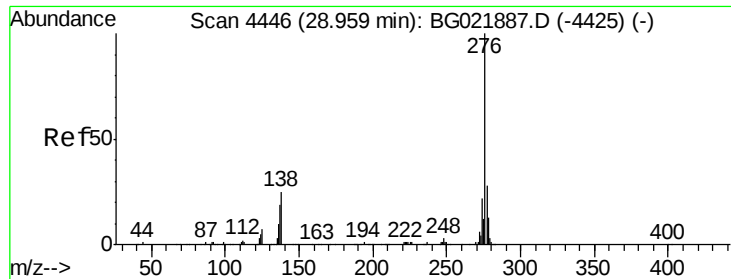
Delta R.T. 0.05 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Tgt Ion:	252	Resp:	2593376
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.4	26.0#
125	16.0	8.2	12.2#





#90

Indeno(1,2,3-cd)pyrene

Concen: 67.57 ng/ul m

RT: 29.04 min Scan# 4459

Delta R.T. 0.08 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

Instrument :

BNA_G

ClientSampleId :

D9XG1

Tgt Ion: 276 Resp: 1814755

Ion Ratio Lower Upper

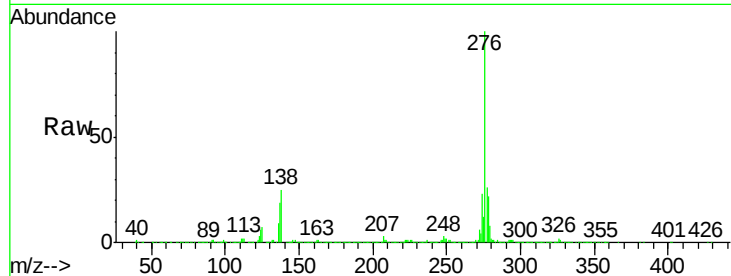
276 100

138 25.4 15.8 23.6#

277 26.0 19.0 28.6

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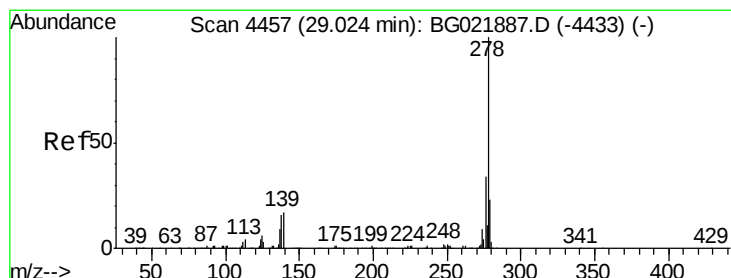
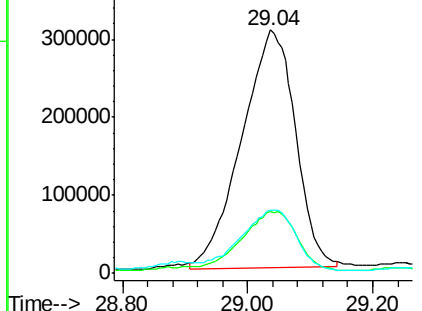
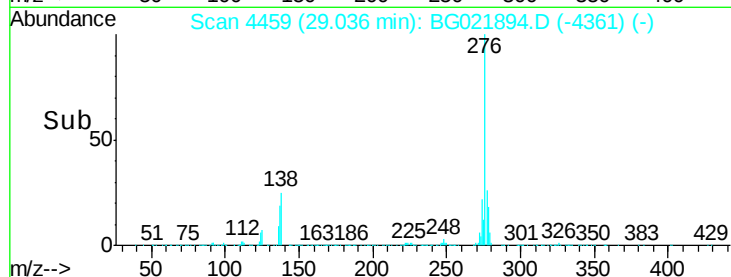
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#91

Dibenzo(a,h)anthracene

Concen: 22.35 ng/ul m

RT: 29.08 min Scan# 4466

Delta R.T. 0.05 min

Lab File: BG021894.D

Acq: 15 May 2016 15:34

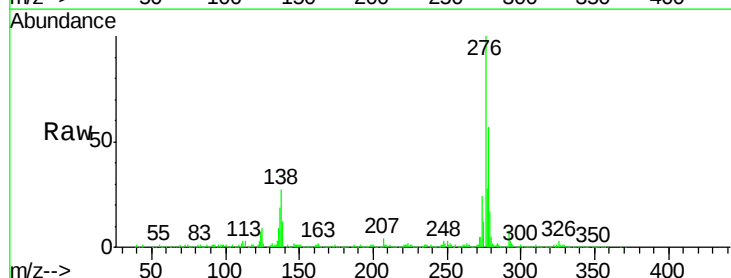
Tgt Ion: 278 Resp: 499492

Ion Ratio Lower Upper

278 100

139 20.7 12.1 18.1#

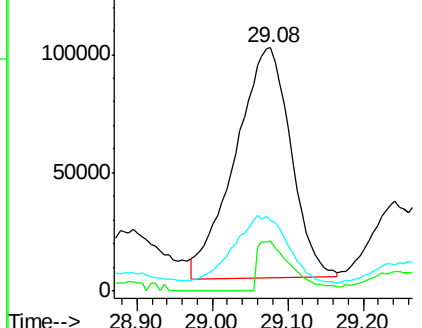
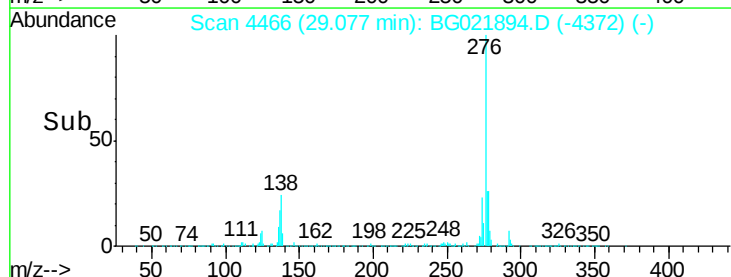
279 29.2 19.8 29.8

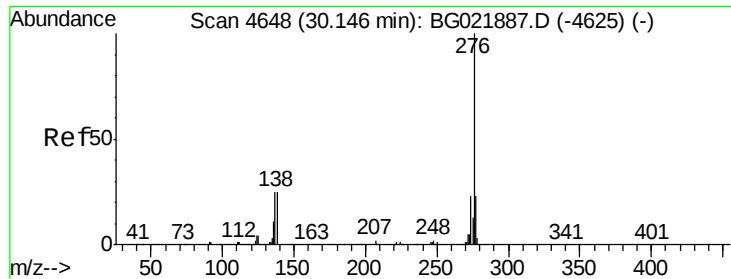


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 74.64 ng/ul m
 RT: 30.25 min Scan# 4666
 Delta R.T. 0.11 min
 Lab File: BG021894.D
 Acq: 15 May 2016 15:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	13.9	20.9#
277	23.9	19.8	29.6

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