

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
 Data File : BG021822.D
 Acq On : 10 May 2016 18:42
 Operator : UM/SJ
 Sample : H2938-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

Manual Integrations
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Quant Time: May 11 11:54:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	80008	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	395443	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	220200	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	443664	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	446780	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	438166	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	7232	4.36	ng/uL	0.00
5) Phenol-d5	7.33	99	164788	27.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	80697	27.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	147809	32.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	124287m	24.92	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	77091	29.65	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	73397m	44.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	142936m	30.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	81114m	16.22	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	453366	29.31	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	610198	27.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	70785m	26.70	ng/ul	0.00
58) Fluorene-d10	15.79	176	419474	25.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	43304	35.24	ng/ul	0.00
71) Anthracene-d10	17.64	188	576610	26.70	ng/ul	0.00
77) Pyrene-d10	19.92	212	620526	29.67	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.95	264	577428	27.74	ng/ul	0.03

Target Compounds

					Ovalue
28) Naphthalene	11.05	128	24524	1.24 ng/ul	98
45) Dimethylphthalate	14.25	163	81847	5.19 ng/ul	98
48) Acenaphthylene	14.53	152	42213m	1.87 ng/ul	
50) Acenaphthene	14.87	153	36545	2.34 ng/ul	96
54) Dibenzofuran	15.20	168	21612m	1.03 ng/ul	
59) Fluorene	15.85	166	44443	2.45 ng/ul	99
70) Phenanthrene	17.59	178	1146923	47.28 ng/ul	93
72) Anthracene	17.67	178	156892	6.37 ng/ul	100
73) Carbazole	17.94	167	152424	7.14 ng/ul#	96
74) Di-n-butylphthalate	18.49	149	59252	3.05 ng/ul#	95
75) Fluoranthene	19.59	202	2475801m	89.84 ng/ul	
78) Pyrene	19.95	202	1996728	77.25 ng/ul#	82
81) Benzo(a)anthracene	21.82	228	1329266	53.46 ng/ul#	91
82) Bis(2-ethylhexyl)phthalate	21.70	149	170099	18.24 ng/ul	98
83) Chrysene	21.88	228	1385003m	56.31 ng/ul	
86) Benzo(b)fluoranthene	24.12	252	2085517	83.15 ng/ul#	92
87) Benzo(k)fluoranthene	24.18	252	660009m	24.58 ng/ul	
89) Benzo(a)pyrene	25.02	252	1261059	50.51 ng/ul#	91
90) Indeno(1,2,3-cd)pyrene	29.03	276	1004632	33.95 ng/ul#	91
91) Dibenzo(a,h)anthracene	29.07	278	264136m	10.73 ng/ul	
92) Benzo(a,h,i)perylene	30.23	276	798276	32.69 ng/ul#	89

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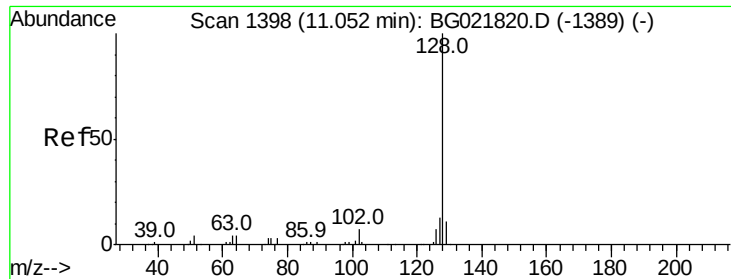
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Quant Time: May 11 11:54:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



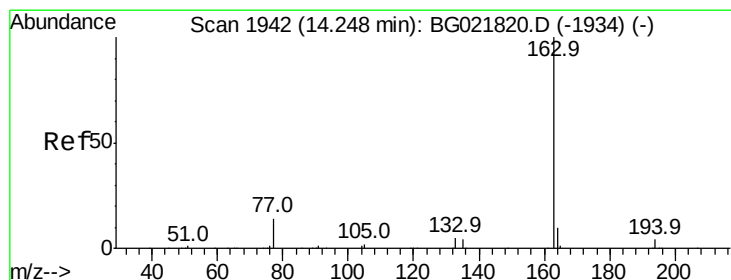
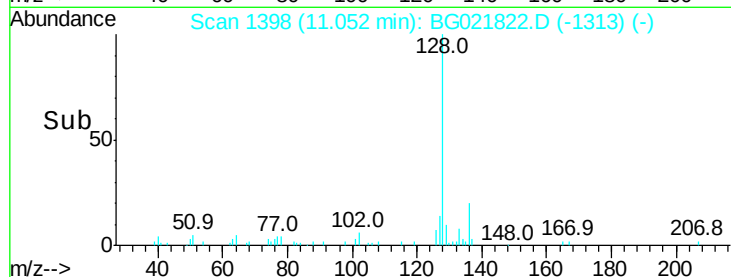
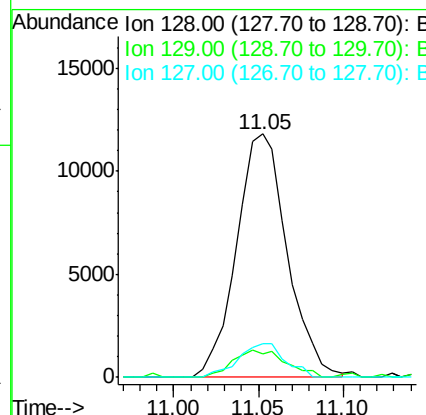
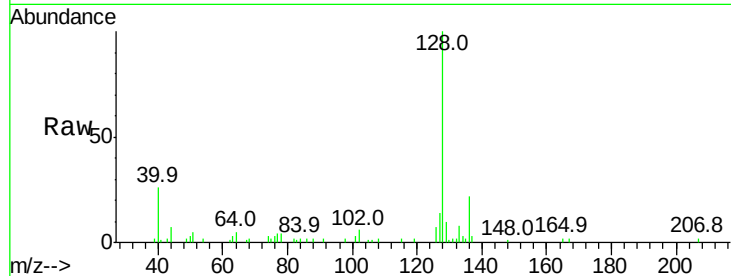
#28
Naphthalene
Concen: 1.24 ng/ul
RT: 11.05 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XB0

Tot Ion:128	Resp:	24524
Ion Ratio	Lower	Upper
128 100		
129 9.6	8.3	12.5
127 14.0	10.8	16.2

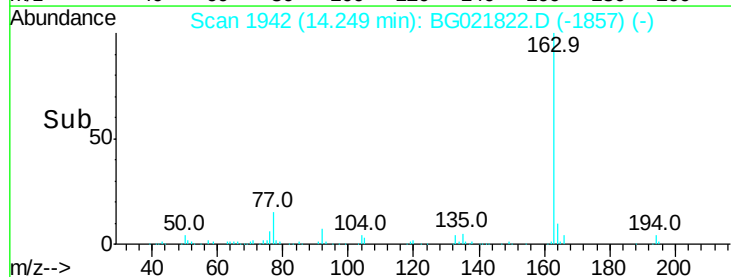
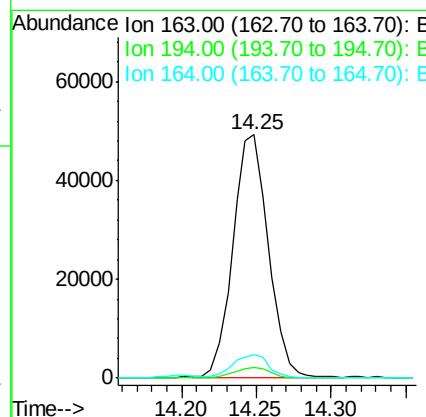
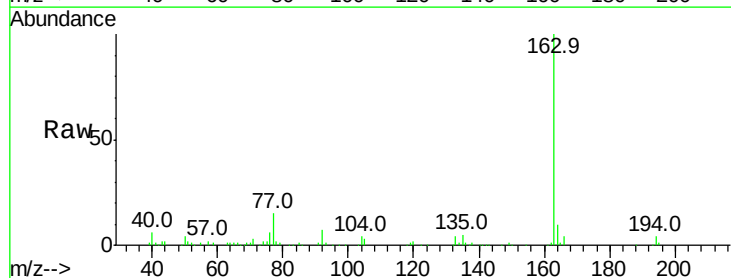
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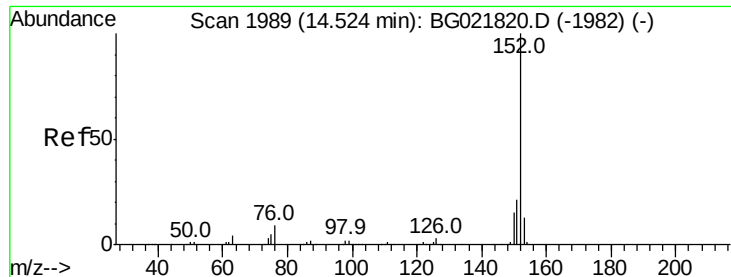
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#45
Dimethylphthalate
Concen: 5.19 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. 0.00 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion:163	Resp:	81847
Ion Ratio	Lower	Upper
163 100		
194 4.5	3.9	5.9
164 9.9	8.7	13.1





#48

Acenaphthylene

Concen: 1.87 ng/ul m

RT: 14.53 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

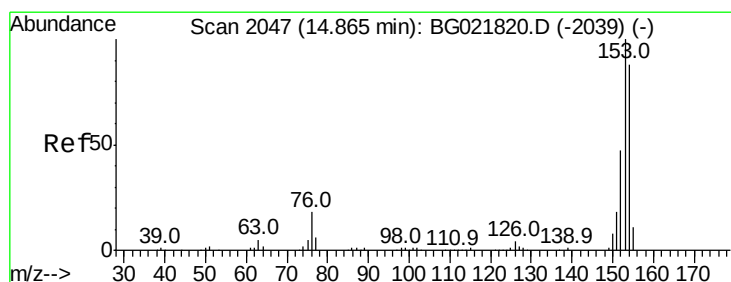
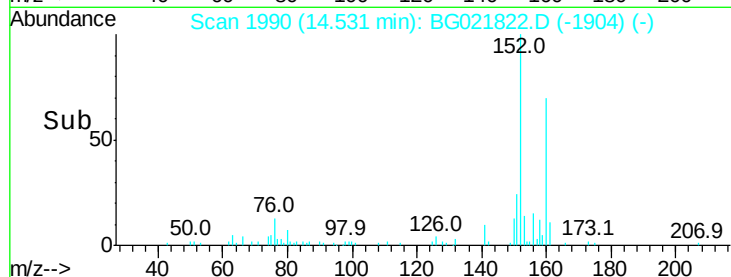
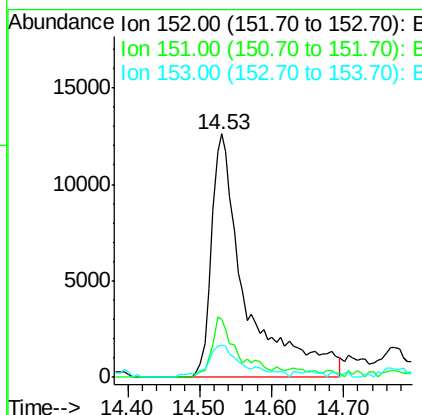
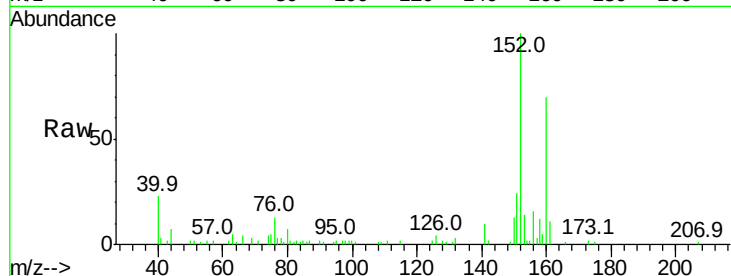
ClientSampleId :

D9XB0

Tot Ion:	152	Resp:	42213
Ion Ratio	Lower	Upper	
152	100		
151	23.6	17.3	25.9
153	13.5	11.1	16.7

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#50

Acenaphthene

Concen: 2.34 ng/ul

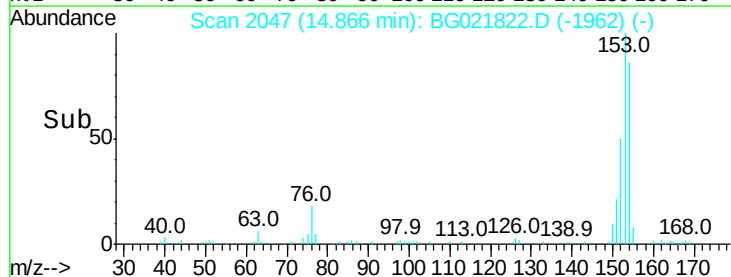
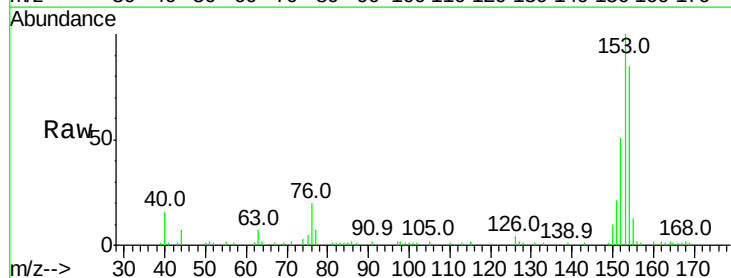
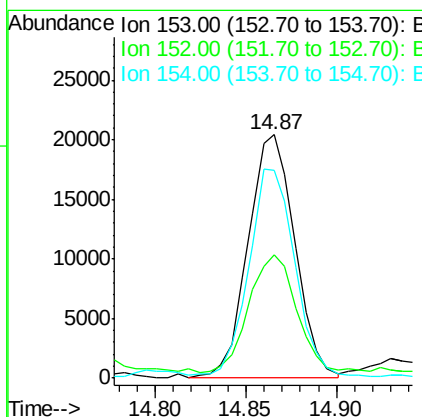
RT: 14.87 min Scan# 2047

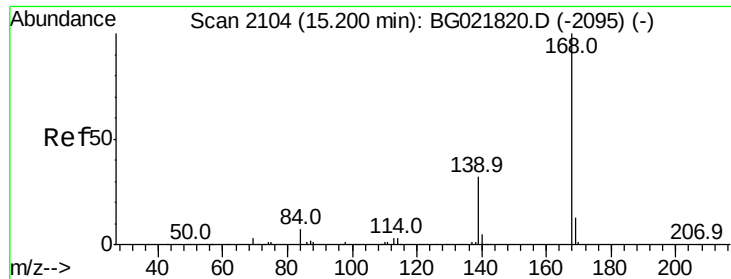
Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Tgt Ion:	153	Resp:	36545
Ion Ratio	Lower	Upper	
153	100		
152	50.9	36.5	54.7
154	85.4	67.3	100.9





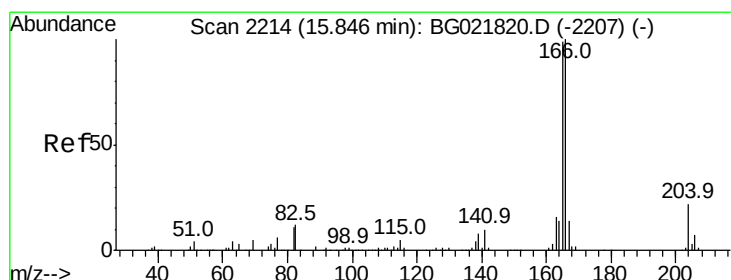
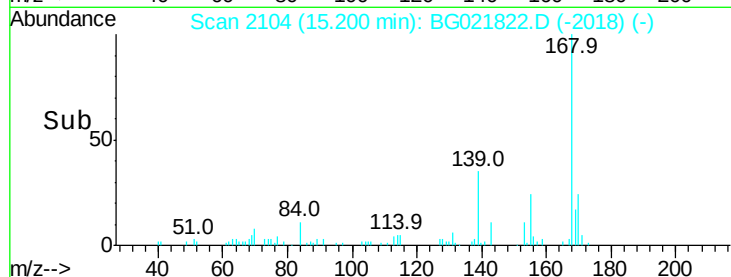
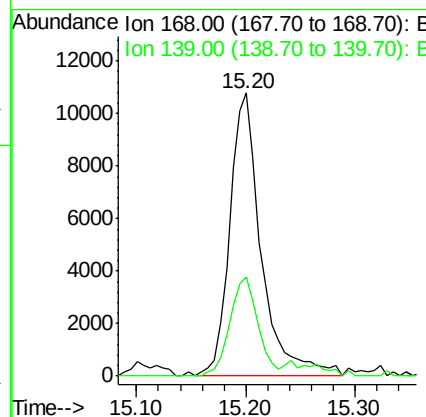
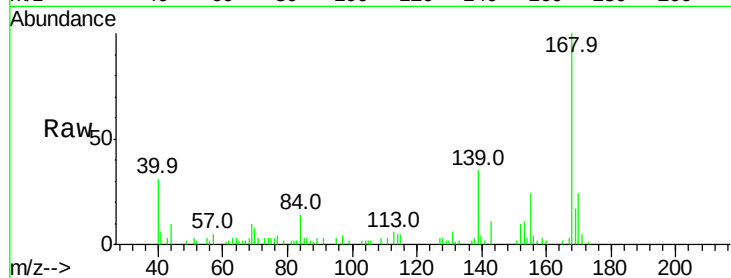
#54
Dibenzenofuran
Concen: 1.03 ng/ul m
RT: 15.20 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XB0

Tot Ion:168 Resp: 21612
Ion Ratio Lower Upper
168 100
139 35.0 35.2 52.8#

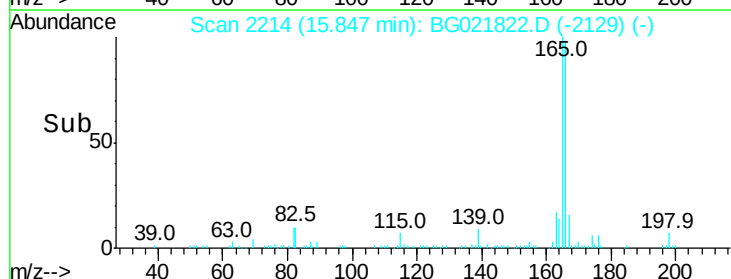
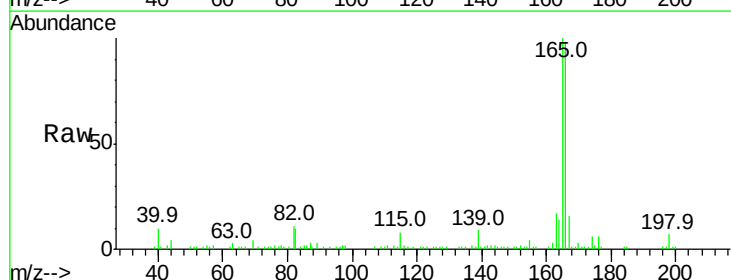
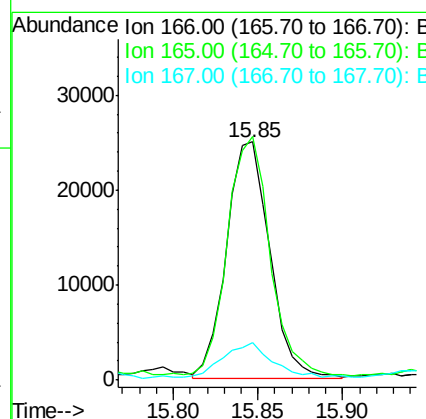
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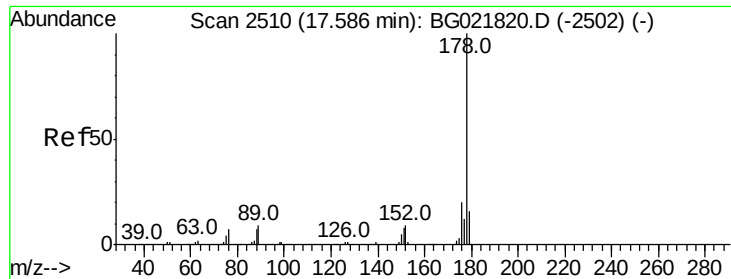
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#59
Fluorene
Concen: 2.45 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion:166 Resp: 44443
Ion Ratio Lower Upper
166 100
165 102.1 81.1 121.7
167 15.9 10.6 16.0





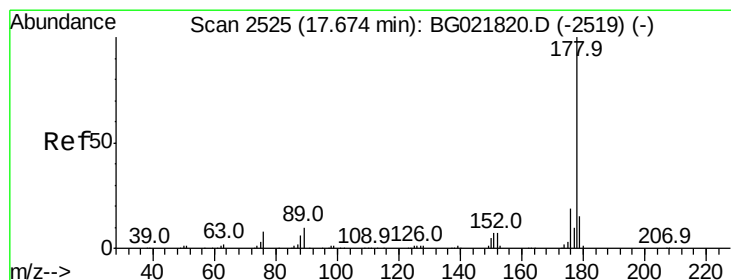
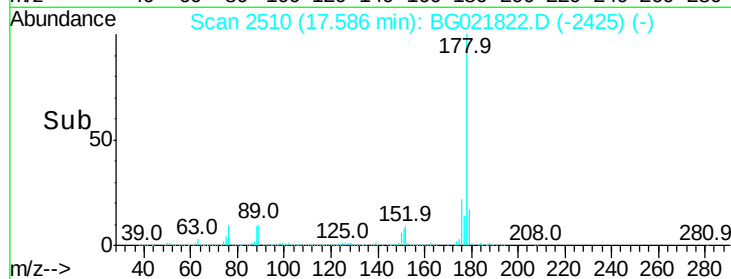
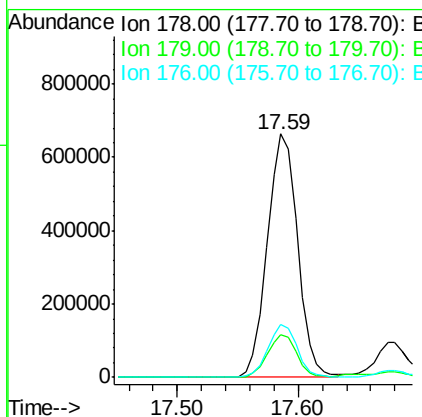
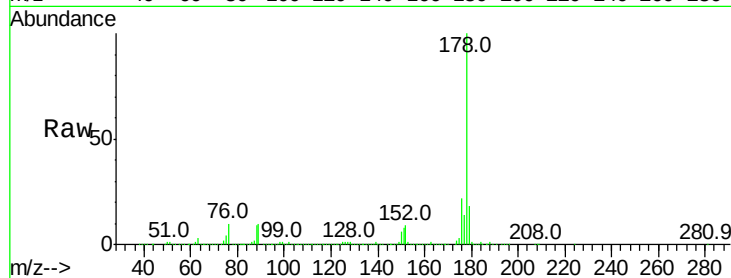
#70
 Phenanthrene
 Concen: 47.28 ng/ul
 RT: 17.59 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

Tot Ion:178 Resp: 1146923
 Ion Ratio Lower Upper
 178 100
 179 17.5 11.8 17.8
 176 21.7 14.8 22.2

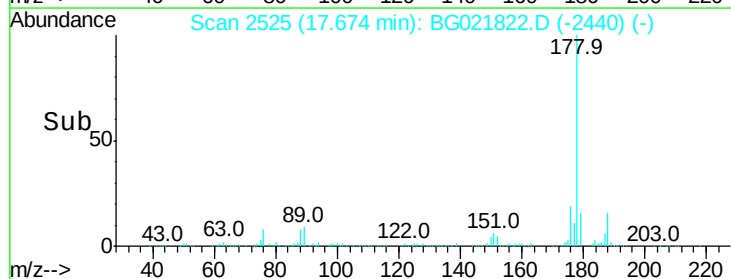
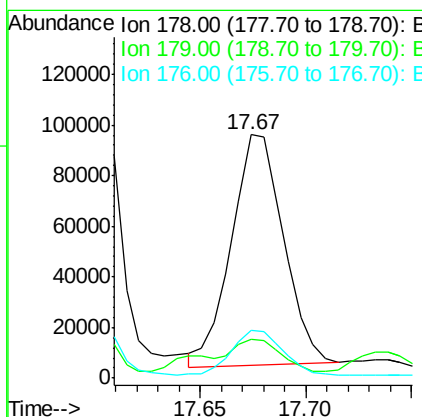
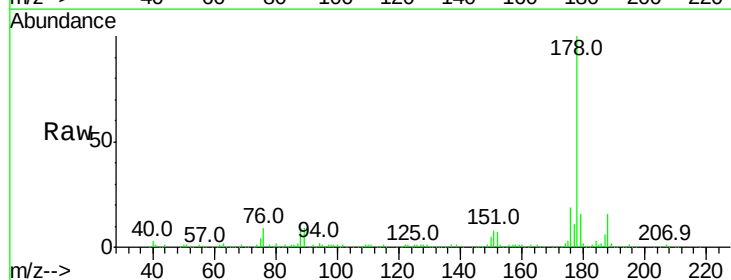
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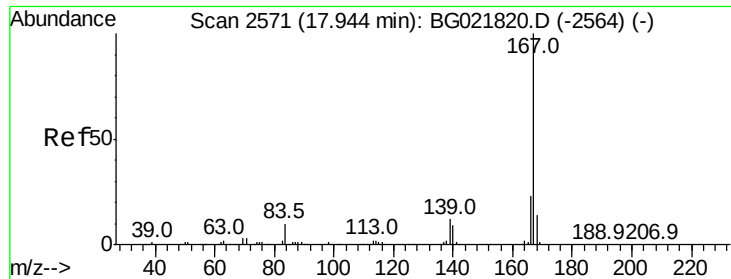
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#72
 Anthracene
 Concen: 6.37 ng/ul
 RT: 17.67 min Scan# 2525
 Delta R.T. 0.00 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Tgt Ion:178 Resp: 156892
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.9 19.3
 176 19.5 15.6 23.4





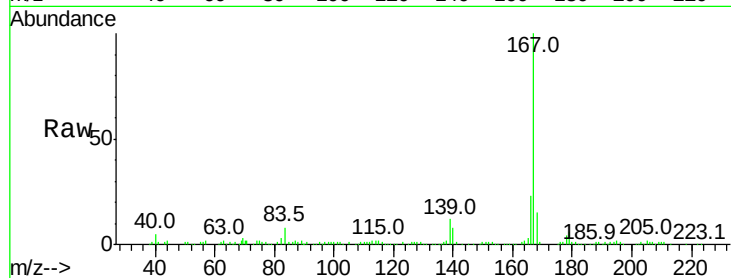
#73
 Carbazole
 Concen: 7.14 ng/ul
 RT: 17.94 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

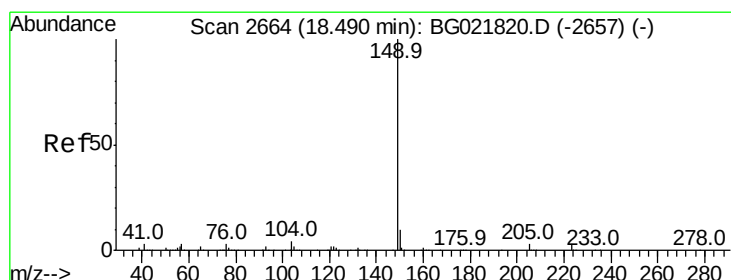
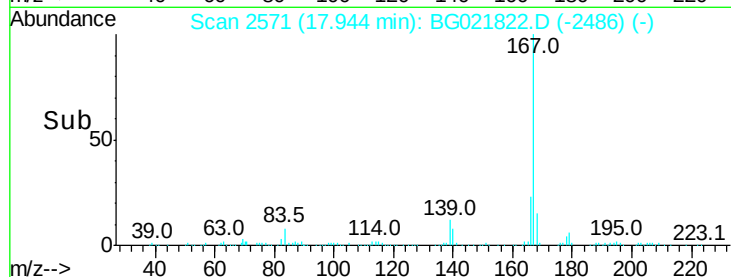
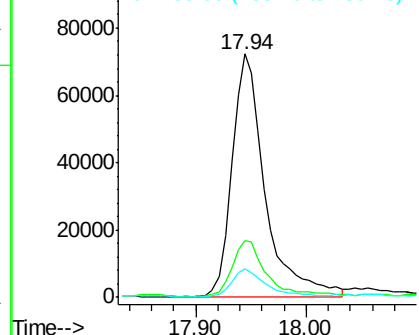
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	19.0	28.4
139	11.6	12.2	18.4

Manual Integrations
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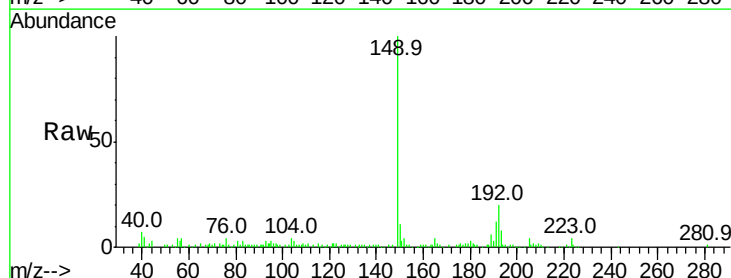


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

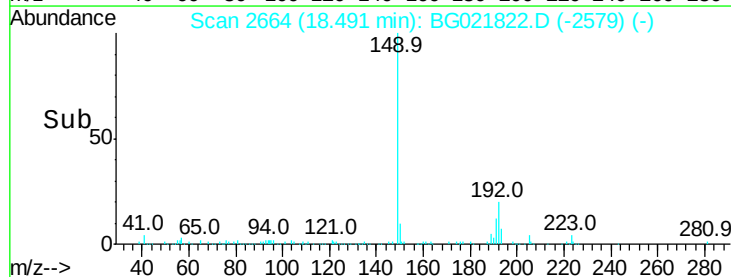
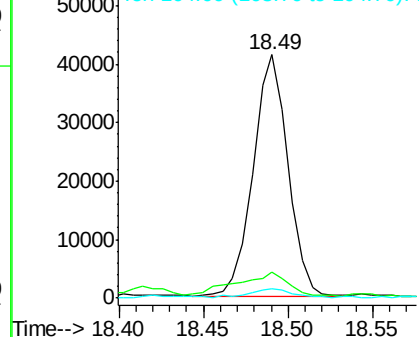


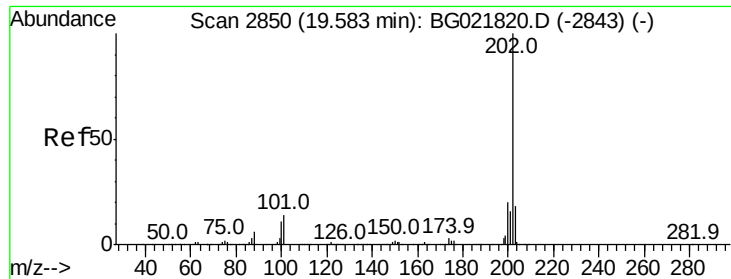
#74
 Di-n-butylphthalate
 Concen: 3.05 ng/ul
 RT: 18.49 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.5	11.3
104	3.8	5.4	8.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 89.84 ng/ul m

RT: 19.59 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

Tot Ion:202 Resp: 2475801

Ion Ratio Lower Upper

202 100

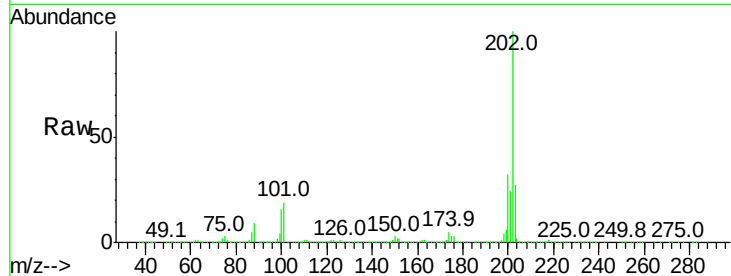
101 19.4 8.9 13.3#

100 15.6 7.0 10.4#

Manual Integrations
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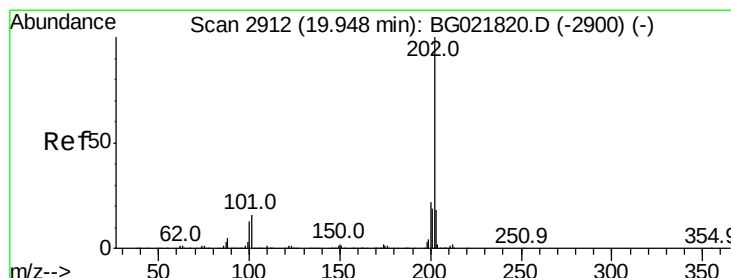
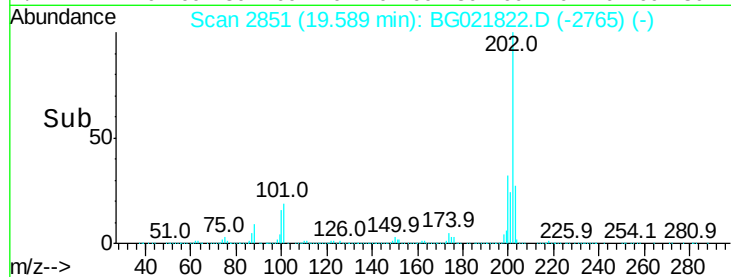
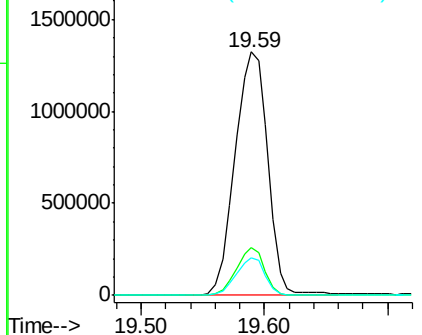
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#78

Pyrene

Concen: 77.25 ng/ul

RT: 19.95 min Scan# 2913

Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

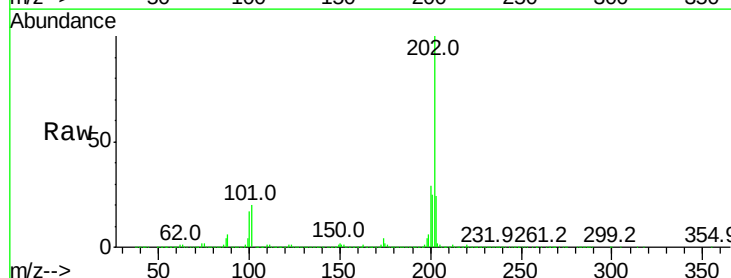
Tgt Ion:202 Resp: 1996728

Ion Ratio Lower Upper

202 100

101 20.3 9.8 14.8#

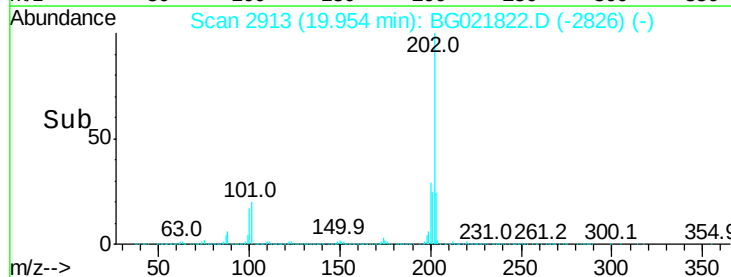
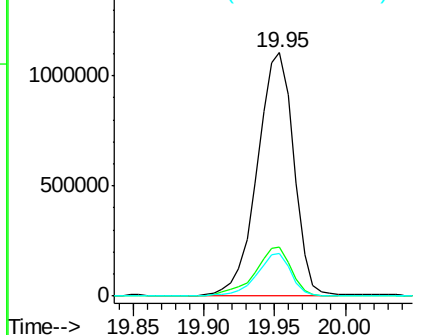
100 17.3 9.3 13.9#

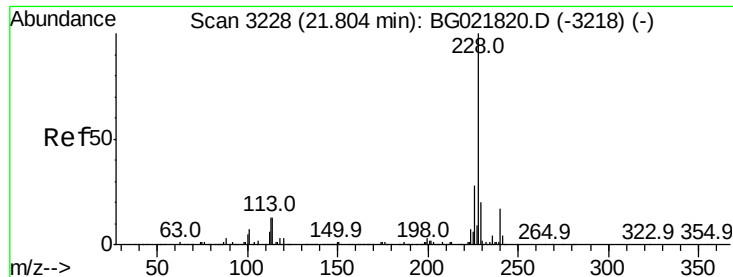


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Benzo(a)anthracene

Concen: 53.46 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.01 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

D9XB0

Tot Ion:228 Resp: 1329266

Ion Ratio Lower Upper

228 100

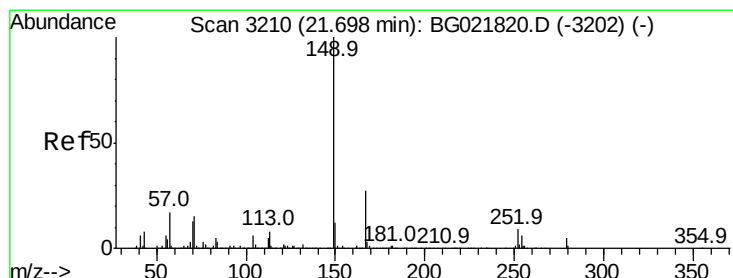
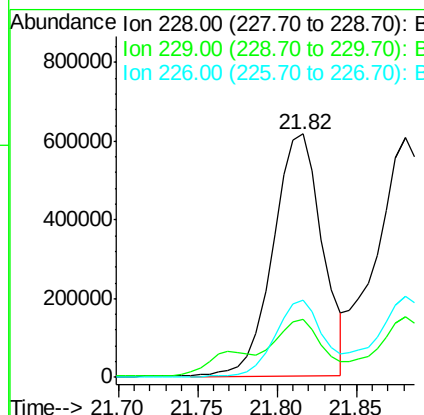
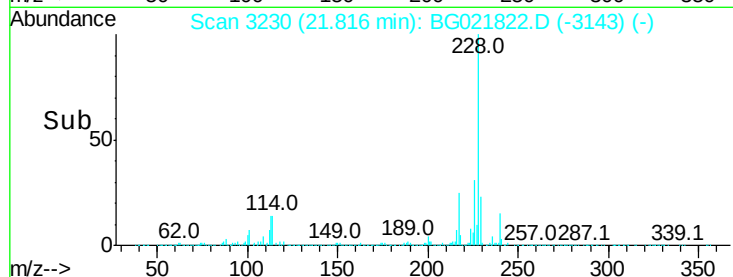
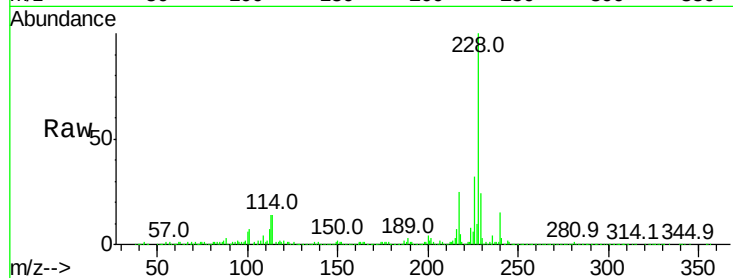
229 23.9 16.6 25.0

226 31.5 21.0 31.4#

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#82

Bis(2-ethylhexyl)phthalate

Concen: 18.24 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BG021822.D

Acq: 10 May 2016 18:42

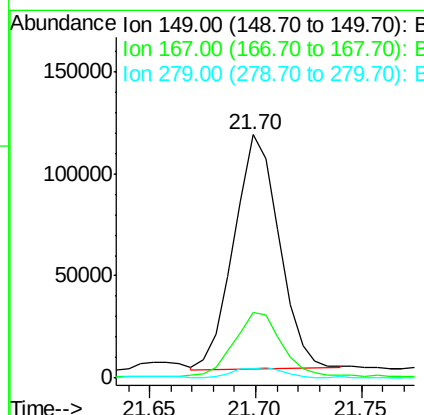
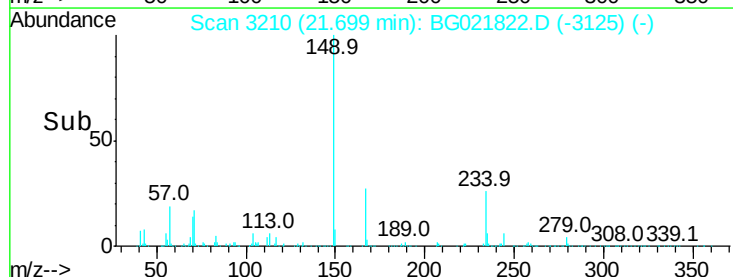
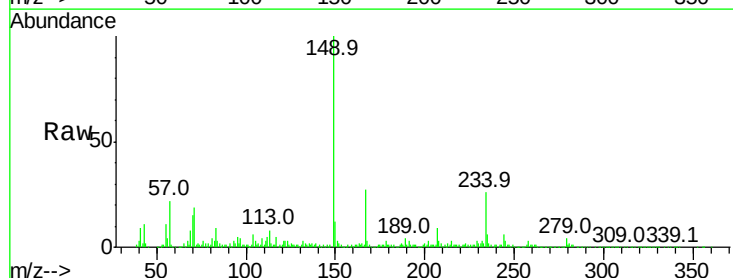
Tgt Ion:149 Resp: 170099

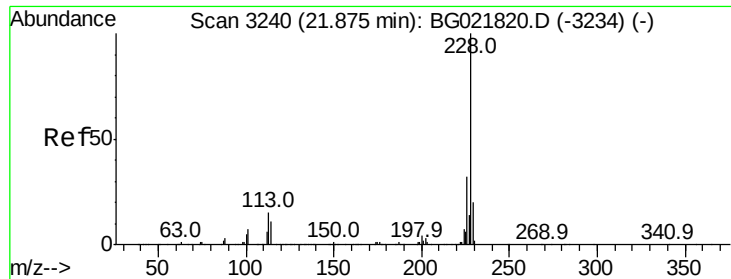
Ion Ratio Lower Upper

149 100

167 26.7 20.5 30.7

279 4.1 3.7 5.5





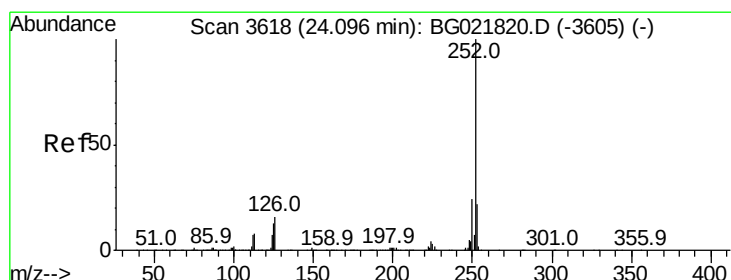
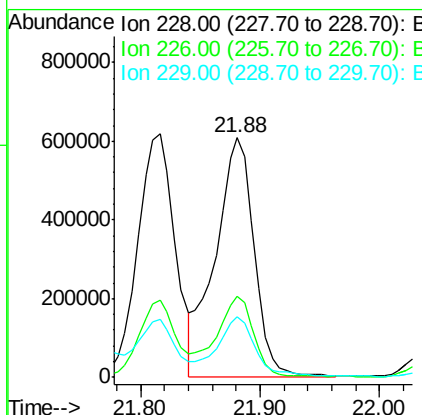
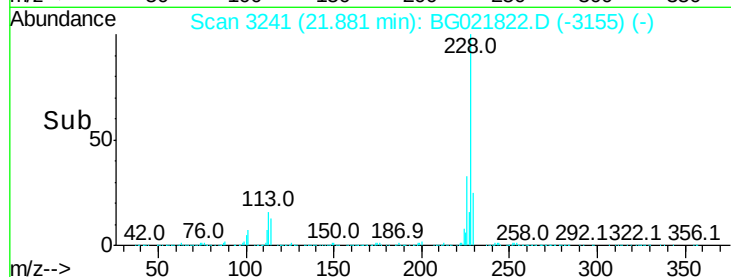
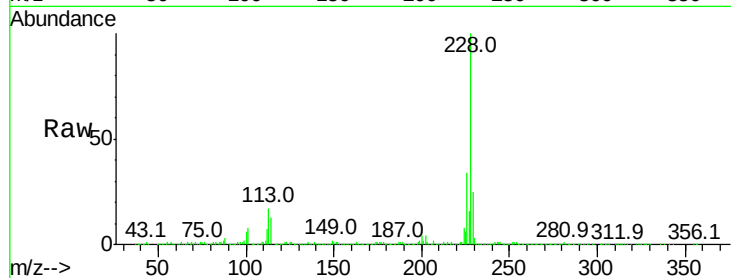
#83
Chrysene
Concen: 56.31 ng/ul m
RT: 21.88 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XB0

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.4	35.2
229	25.4	16.2	24.2

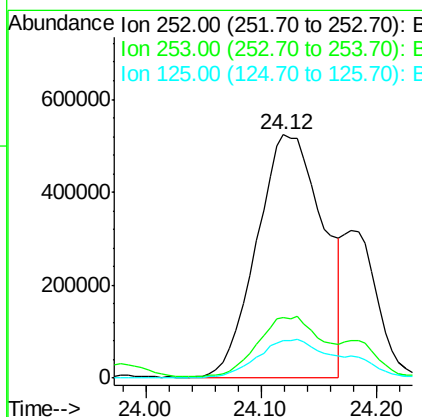
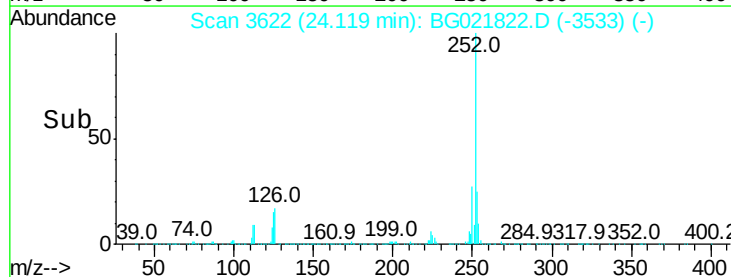
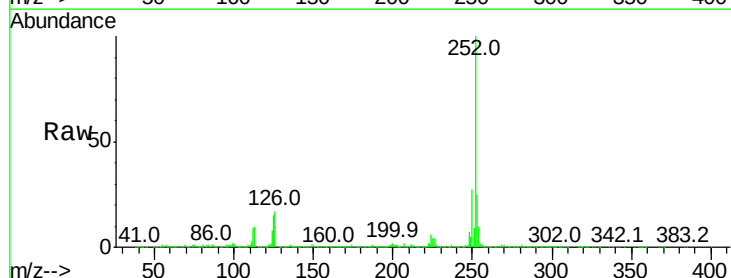
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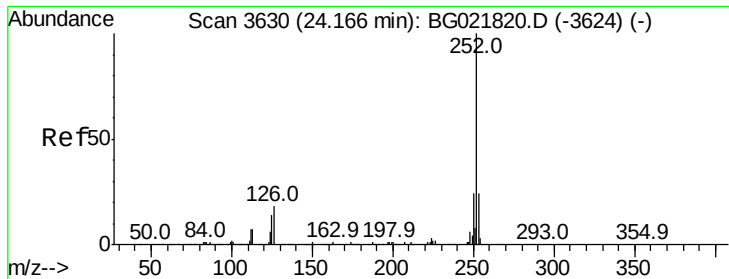
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#86
Benzo(b)fluoranthene
Concen: 83.15 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. 0.02 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	15.2	7.6	11.4





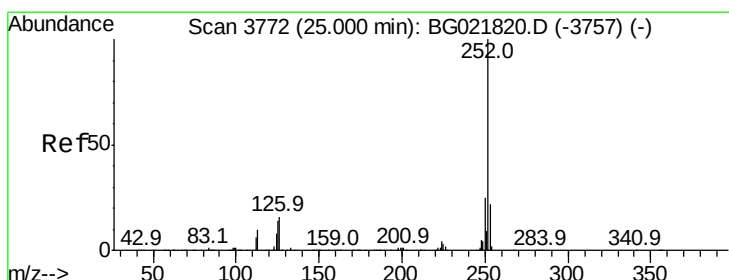
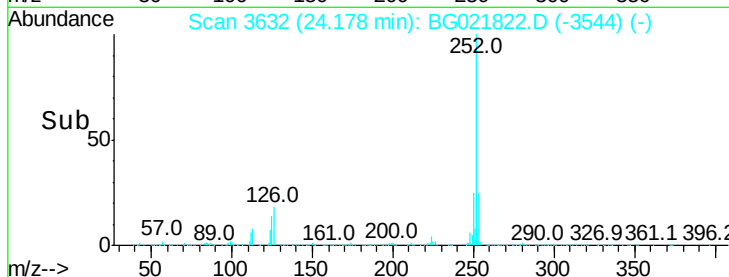
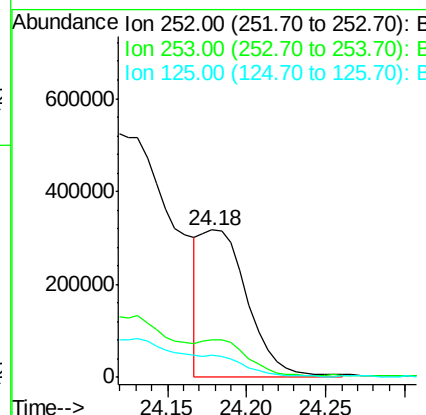
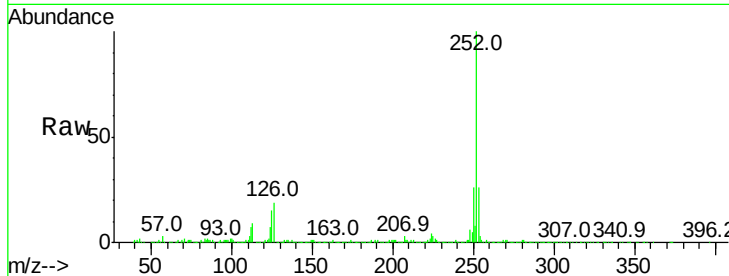
#87
Benzo(k)fluoranthene
Concen: 24.58 ng/ul m
RT: 24.18 min Scan# 3632
Delta R.T. 0.02 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XB0

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.8
125	14.7	7.7	11.5#

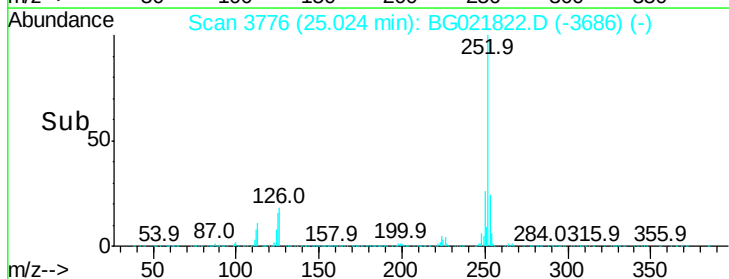
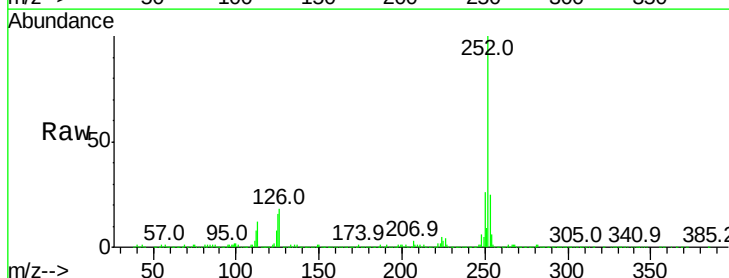
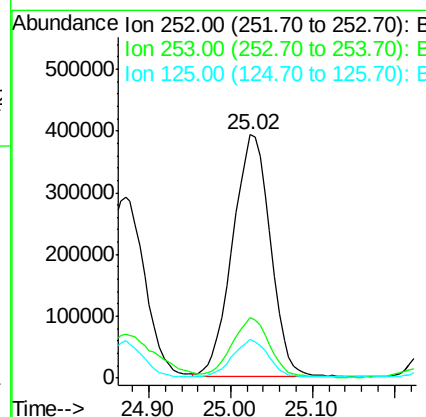
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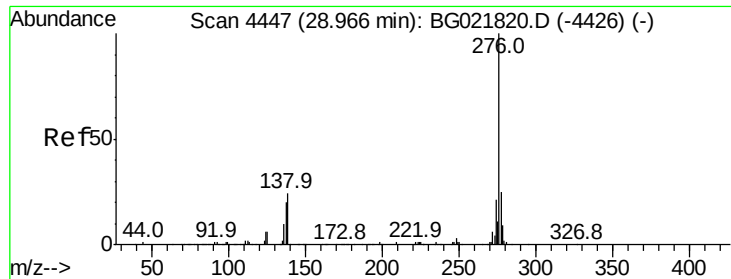
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#89
Benzo(a)pyrene
Concen: 50.51 ng/ul
RT: 25.02 min Scan# 3776
Delta R.T. 0.03 min
Lab File: BG021822.D
Acq: 10 May 2016 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	16.0	8.2	12.2#





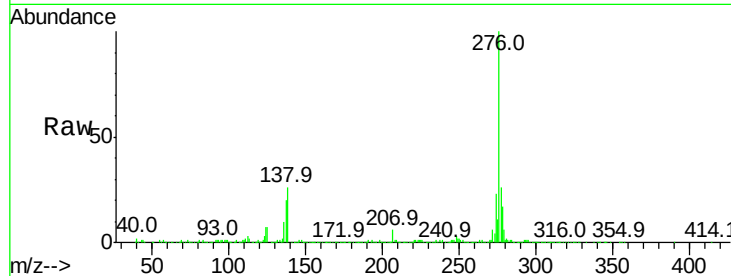
#90
 Indeno(1,2,3-cd)pyrene
 Concen: 33.95 ng/ul
 RT: 29.03 min Scan# 4457
 Delta R.T. 0.06 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

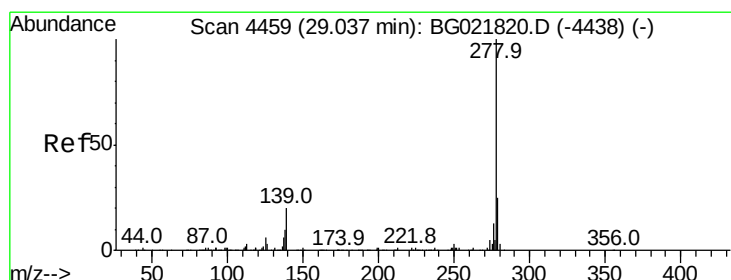
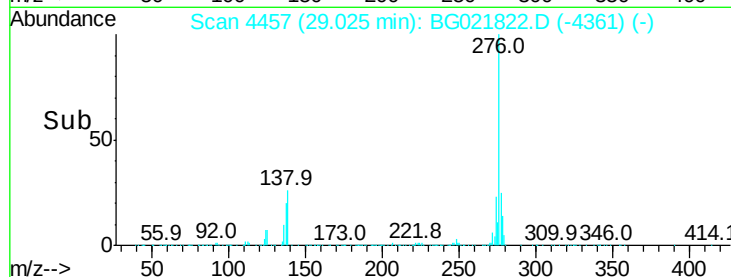
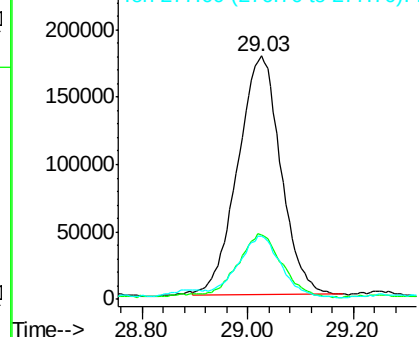
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	15.8	23.6#
277	25.8	19.0	28.6

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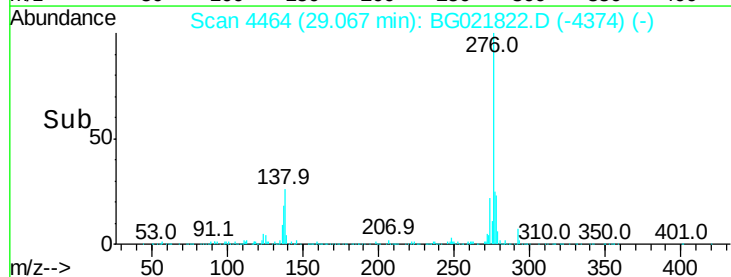
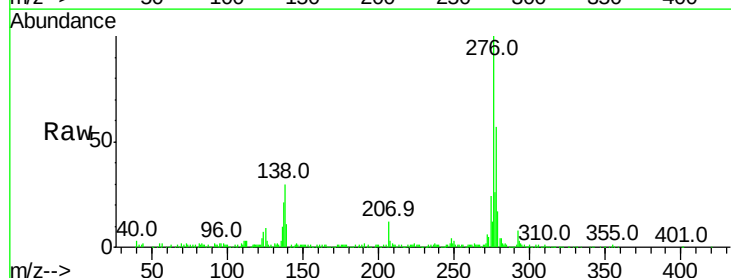
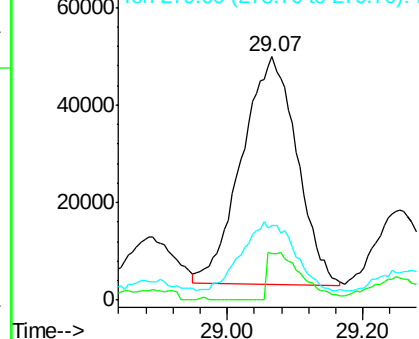
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

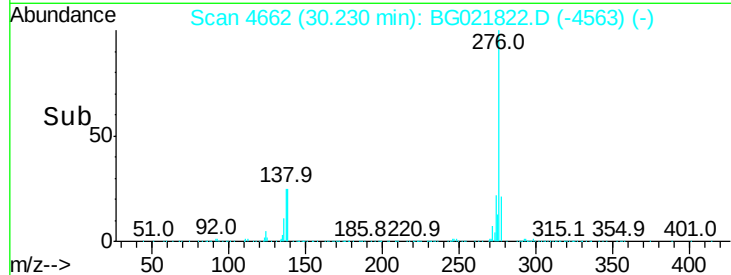
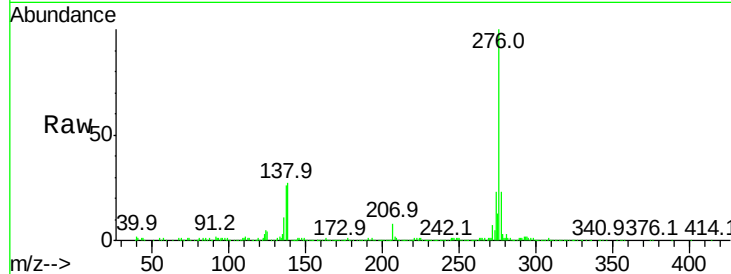
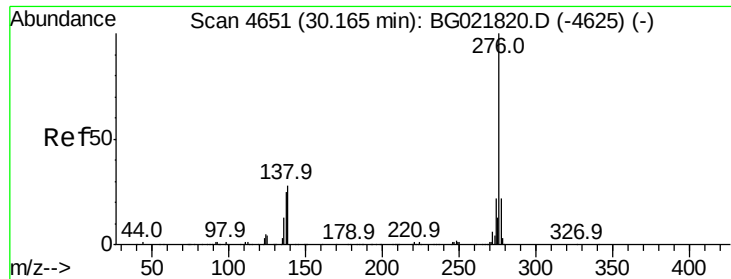


#91
 Dibenzo(a,h)anthracene
 Concen: 10.73 ng/ul m
 RT: 29.07 min Scan# 4464
 Delta R.T. 0.03 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	12.1	18.1#
279	30.4	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(a,h,i)perylene
 Concen: 32.69 ng/ul
 RT: 30.23 min Scan# 4662
 Delta R.T. 0.08 min
 Lab File: BG021822.D
 Acq: 10 May 2016 18:42

Tot Ion:	276	Resp:	798276
Ion Ratio	Lower	Upper	
276	100		
138	26.9	13.9	20.9#
277	23.4	19.8	29.6

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0

Manual Integrations
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