

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
 APPROVED

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Quant Time: May 17 11:53:14 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	73330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	342495	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.79	164	185776	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	373485	20.00	ng/ul	0.01
76) Chrysene-d12	21.84	240	376737	20.00	ng/ul	0.02
84) Perylene-d12	25.21	264	330657m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3361	2.21	ng/uL	0.00
5) Phenol-d5	7.33	99	88670	16.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	41121	15.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	81688	19.34	ng/ul	0.01
13) 4-Methylphenol-d8	8.88	113	64562	14.13	ng/ul	0.01
19) Nitrobenzene-d5	9.34	128	42172	18.73	ng/ul	0.01
22) 2-Nitrophenol-d4	10.07	143	47111	33.12	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.61	165	83605	20.79	ng/ul	0.01
29) 4-Chloroaniline-d4	11.13	131	42167m	9.73	ng/ul	0.01
44) Dimethylphthalate-d6	14.20	166	254066	19.47	ng/ul	0.01
47) Acenaphthylene-d8	14.50	160	346682	18.71	ng/ul	0.01
52) 4-Nitrophenol-d4	15.00	143	21802m	9.75	ng/ul	0.02
58) Fluorene-d10	15.79	176	230176	16.75	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.91	200	13518	13.07	ng/ul	0.02
71) Anthracene-d10	17.64	188	321614	17.69	ng/ul	0.01
77) Pyrene-d10	19.92	212	339810	19.27	ng/ul	0.02
88) Benzo(a)pyrene-d12	24.97	264	310755m	19.78	ng/ul	0.05

Target Compounds

					Ovalue	
28) Naphthalene	11.04	128	177959	10.36	ng/ul	99
34) 2-Methylnaphthalene	12.64	142	36924	2.92	ng/ul	98
35) 1-Methylnaphthalene	12.86	142	27083	2.16	ng/ul#	96
45) Dimethylphthalate	14.24	163	86193	6.48	ng/ul	97
50) Acenaphthene	14.86	153	206319	15.64	ng/ul	98
54) Dibenzofuran	15.19	168	103928m	5.88	ng/ul	
59) Fluorene	15.84	166	108116	7.07	ng/ul	97
70) Phenanthrene	17.59	178	1989233m	97.42	ng/ul	
72) Anthracene	17.68	178	447037	21.55	ng/ul	99
73) Carbazole	17.94	167	427518	23.77	ng/ul#	96
75) Fluoranthene	19.60	202	2792985	120.39	ng/ul#	78
78) Pyrene	19.96	202	2514499m	115.36	ng/ul	
81) Benzo(a)anthracene	21.82	228	1787353	85.25	ng/ul#	89
82) Bis(2-ethylhexyl)phthalate	21.69	149	26749	3.40	ng/ul#	93
83) Chrysene	21.89	228	1615457	77.90	ng/ul#	88
86) Benzo(b)fluoranthene	24.15	252	2598657m	137.30	ng/ul	
87) Benzo(k)fluoranthene	24.21	252	1125566m	55.55	ng/ul	
89) Benzo(a)pyrene	25.06	252	1571569m	83.41	ng/ul	
90) Indeno(1,2,3-cd)pyrene	29.06	276	936509m	41.94	ng/ul	
91) Dibenzo(a,h)anthracene	29.09	278	193948m	10.44	ng/ul	
92) Benzo(a,h,i)perylene	30.26	276	624317m	33.88	ng/ul	

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D9XF8

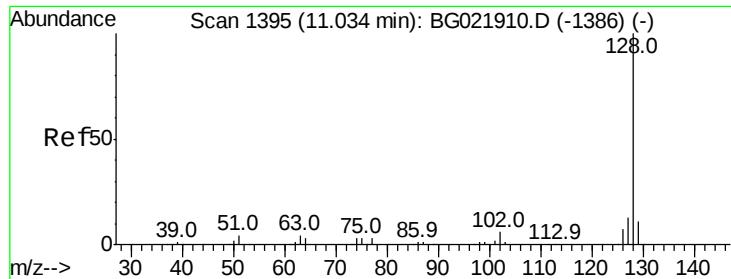
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Quant Time: May 17 11:53:14 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



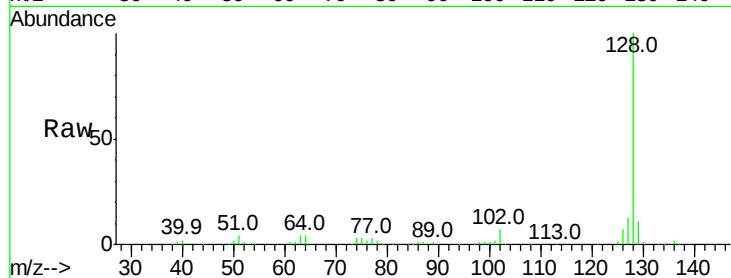
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Naphthalene
Concen: 10.36 ng/ul
RT: 11.04 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

Instrument :
BNA_G
ClientSampleId :
D9XF8

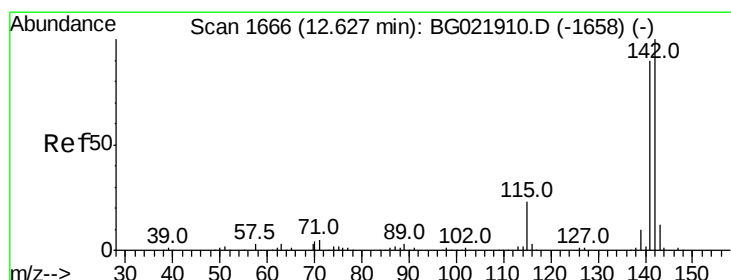
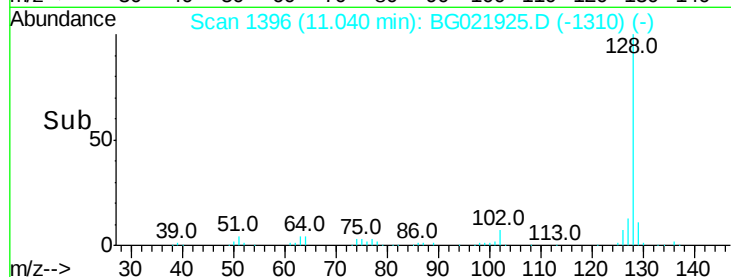
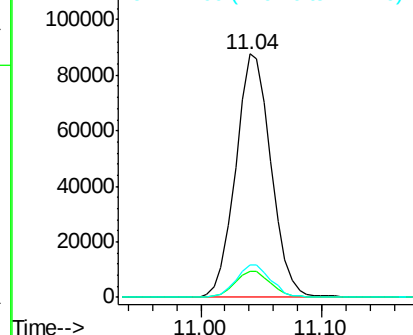
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.3	12.5
127	13.3	10.8	16.2

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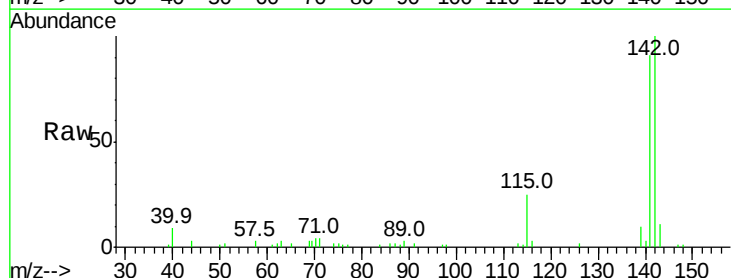


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

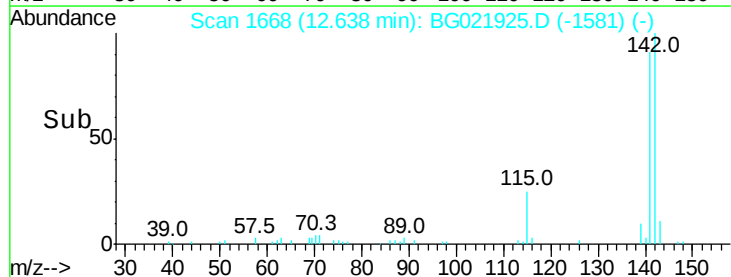
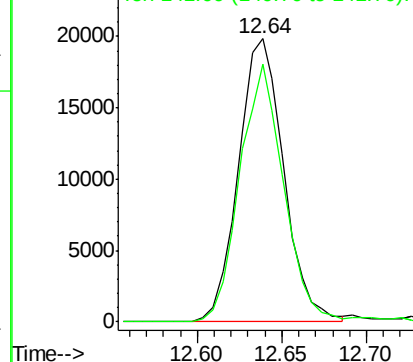


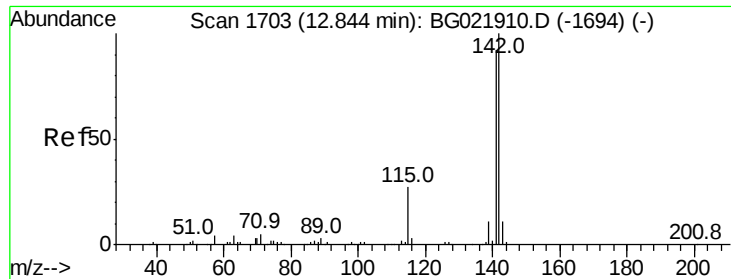
#34
2-Methylnaphthalene
Concen: 2.92 ng/ul
RT: 12.64 min Scan# 1668
Delta R.T. 0.01 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9



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





#35

1-Methylnaphthalene

Concen: 2.16 ng/ul

RT: 12.86 min Scan# 1705

Delta R.T. 0.01 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

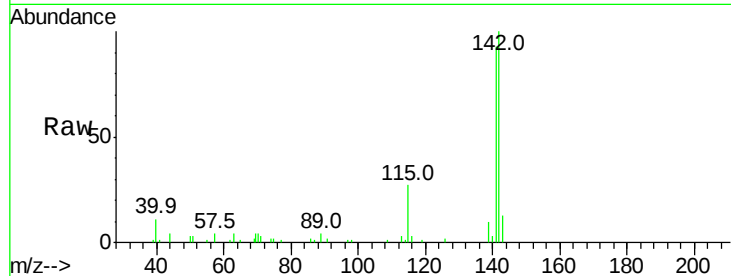
ClientSampleId :

D9XF8

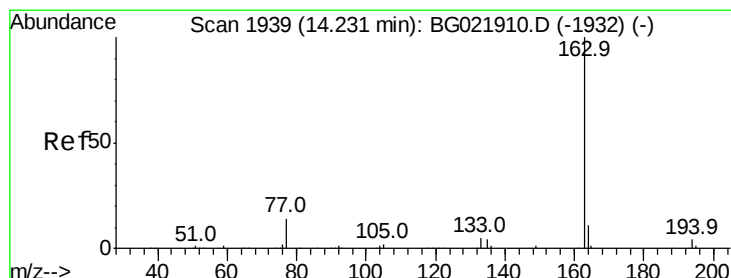
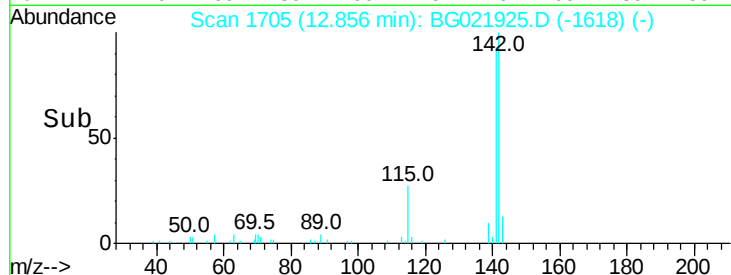
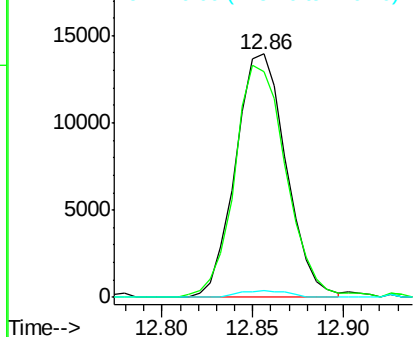
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	77.0	115.4
116	2.7	4.2	6.4

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 6.48 ng/ul

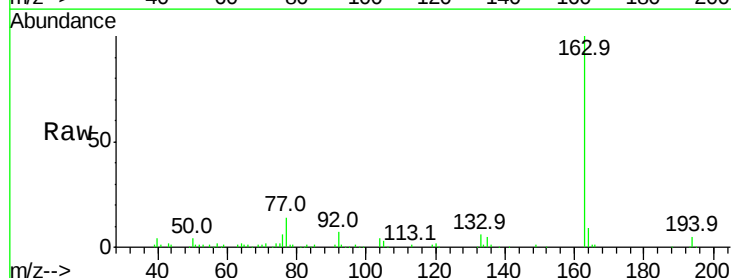
RT: 14.24 min Scan# 1940

Delta R.T. 0.01 min

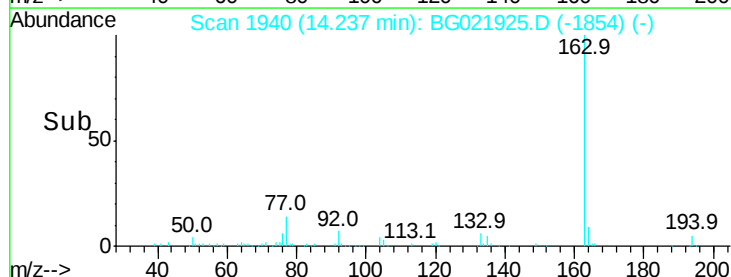
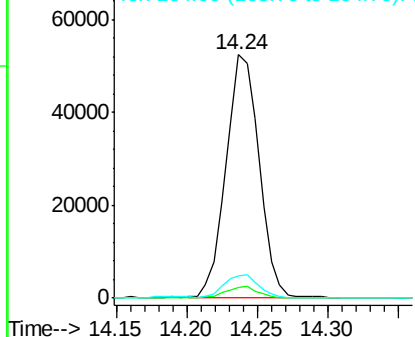
Lab File: BG021925.D

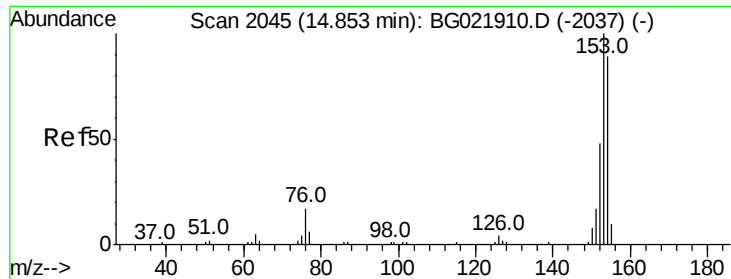
Acq: 17 May 2016 3:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.9	5.9
164	9.3	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





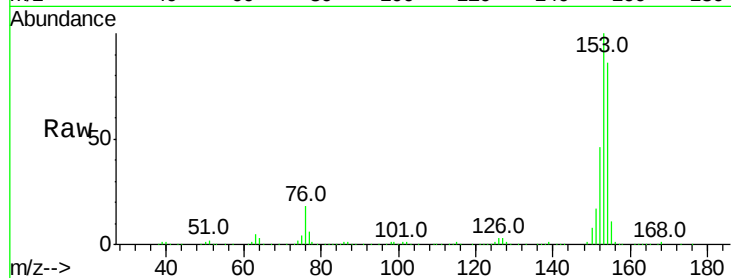
#50
Acenaphthene
Concen: 15.64 ng/ul
RT: 14.86 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

Instrument :
BNA_G
ClientSampleId :
D9XF8

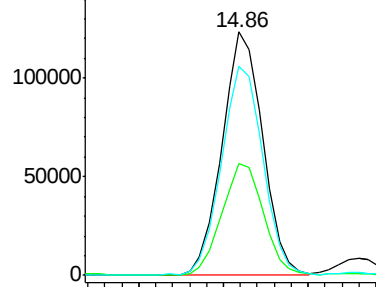
Tot Ion	Ratio	Lower	Upper
153	100		
152	46.1	36.5	54.7
154	86.0	67.3	100.9

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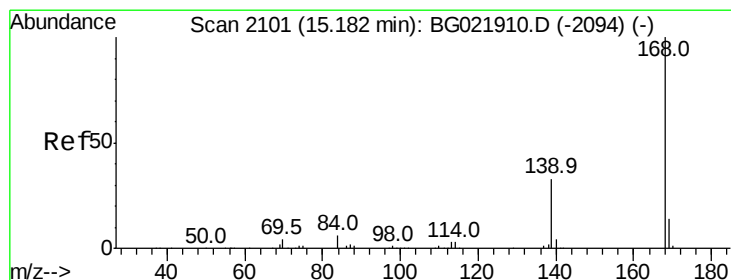
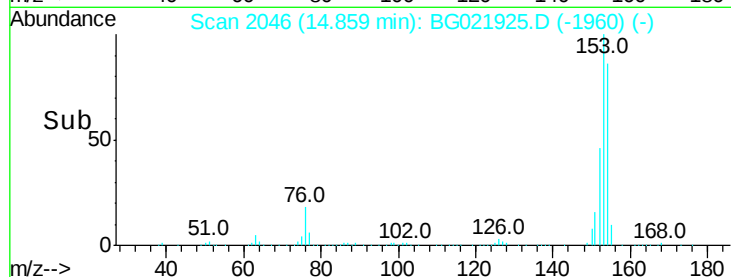
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

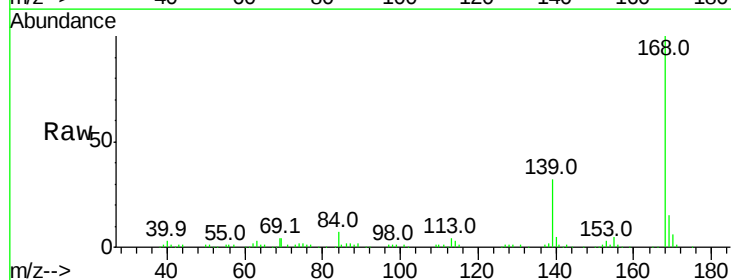


Time-->

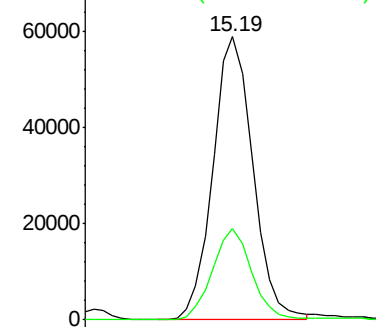


#54
Dibenzofuran
Concen: 5.88 ng/ul m
RT: 15.19 min Scan# 2103
Delta R.T. 0.01 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

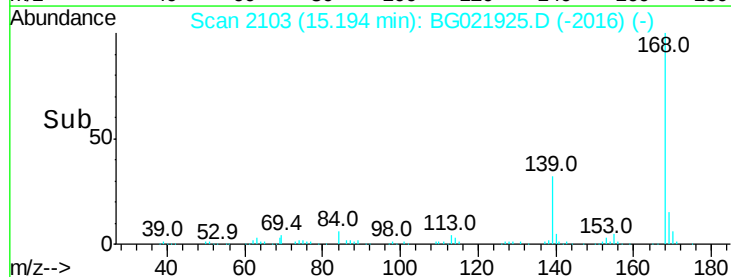
Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.2	35.2	52.8#

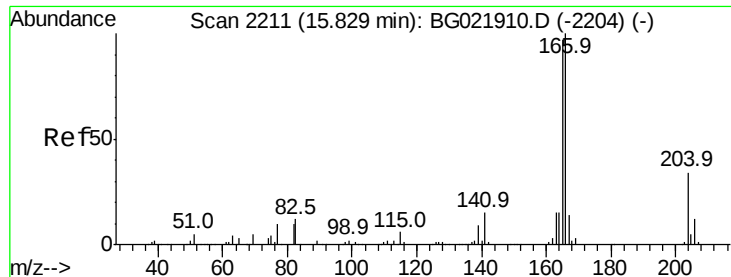


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#59

Fluorene

Concen: 7.07 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

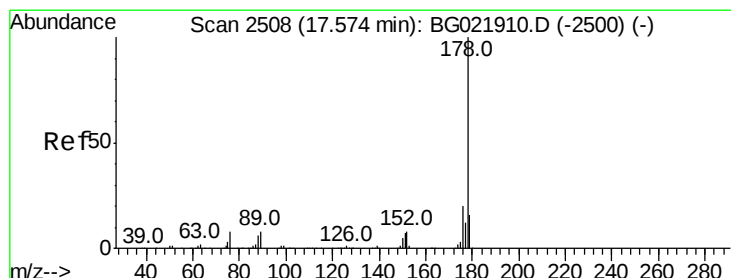
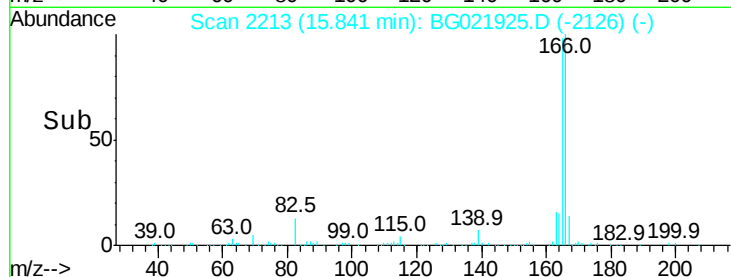
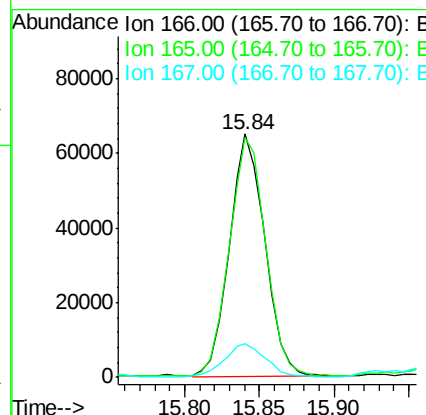
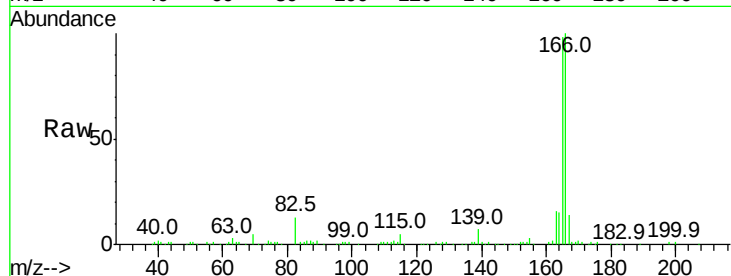
ClientSampleId :

D9XF8

Tot Ion:	166	Resp:	108116
Ion Ratio	Lower	Upper	
166	100		
165	98.2	81.1	121.7
167	13.9	10.6	16.0

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#70

Phenanthrene

Concen: 97.42 ng/ul m

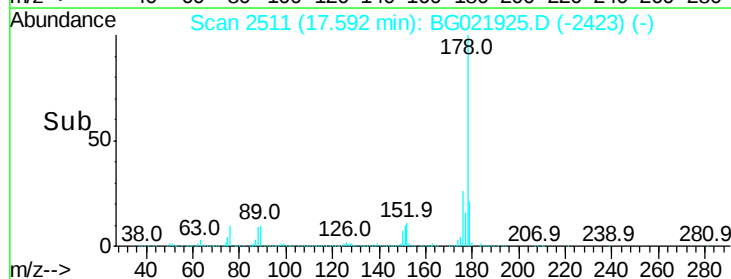
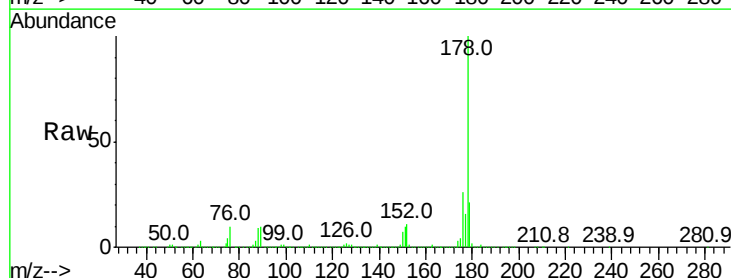
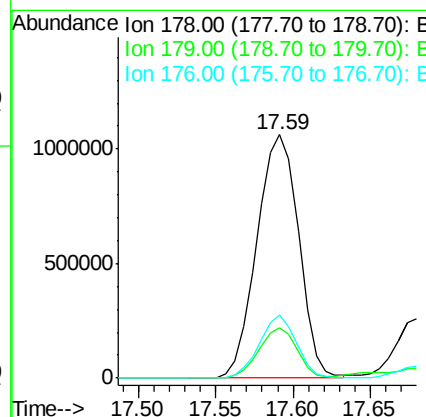
RT: 17.59 min Scan# 2511

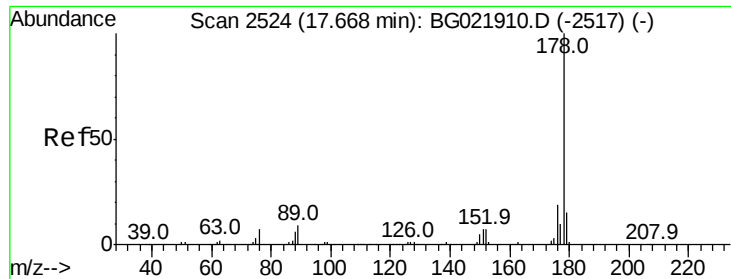
Delta R.T. 0.02 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Tgt Ion:	178	Resp:	1989233
Ion Ratio	Lower	Upper	
178	100		
179	20.8	11.8	17.8#
176	25.9	14.8	22.2#





#72

Anthracene

Concen: 21.55 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. 0.01 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

ClientSampleId :

D9XF8

Tot Ion:178 Resp: 447037

Ion Ratio Lower Upper

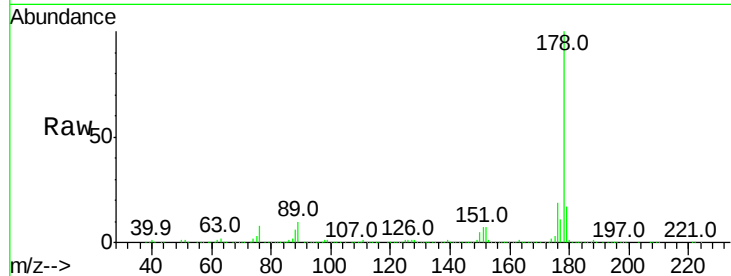
178 100

179 16.5 12.9 19.3

176 19.3 15.6 23.4

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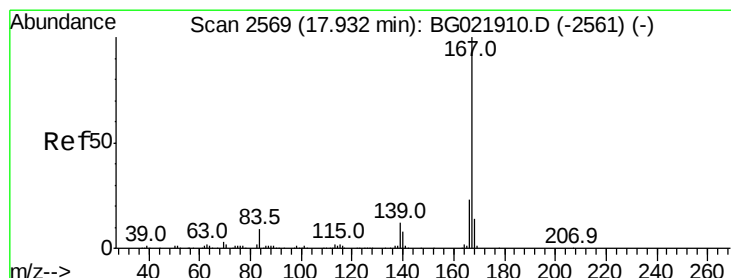
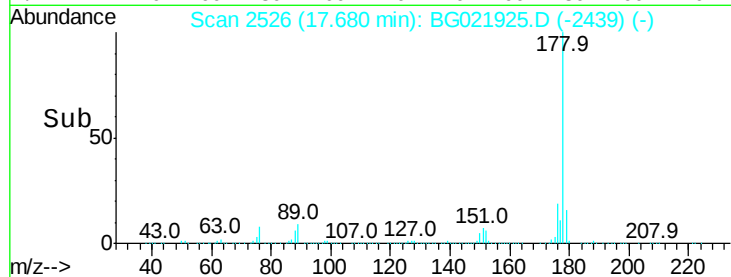
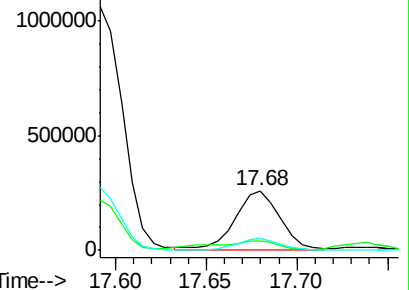
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#73

Carbazole

Concen: 23.77 ng/ul

RT: 17.94 min Scan# 2571

Delta R.T. 0.01 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

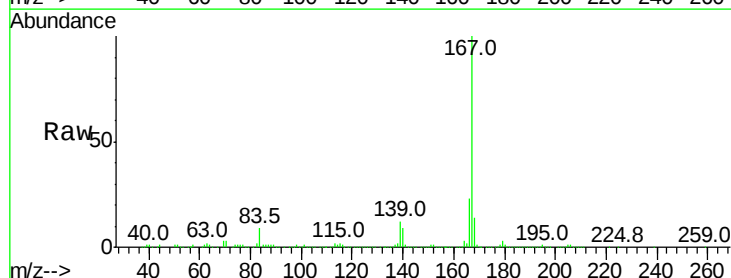
Tgt Ion:167 Resp: 427518

Ion Ratio Lower Upper

167 100

166 23.1 19.0 28.4

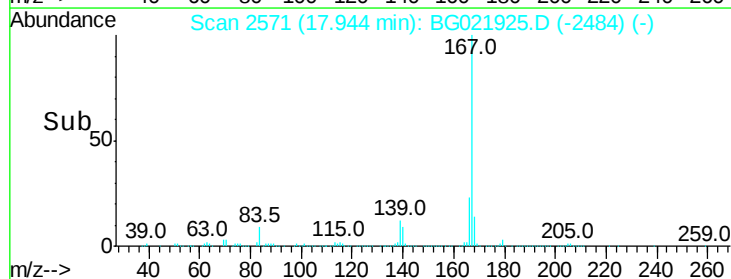
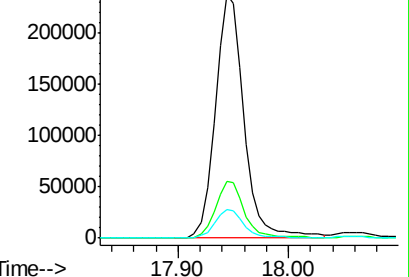
139 11.7 12.2 18.4#

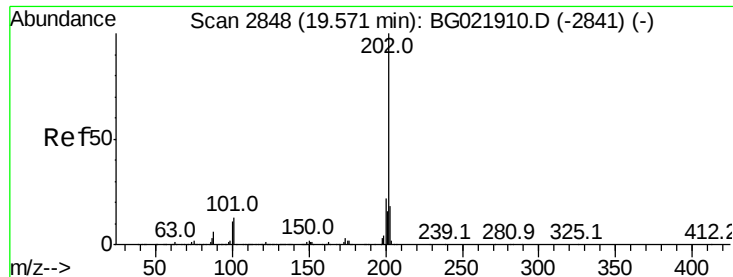


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 120.39 ng/ul

RT: 19.60 min Scan# 2852

Delta R.T. 0.02 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

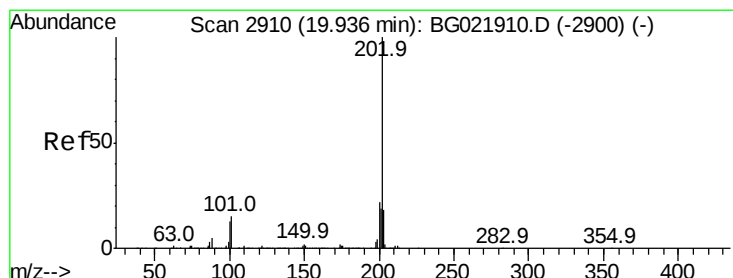
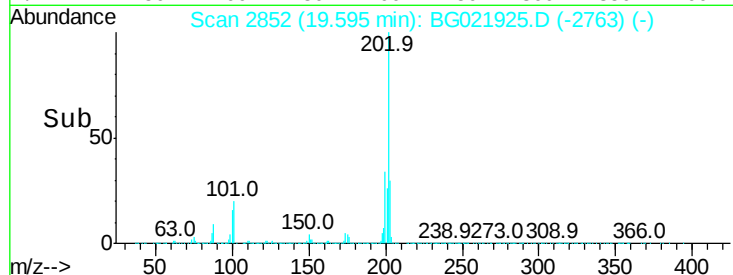
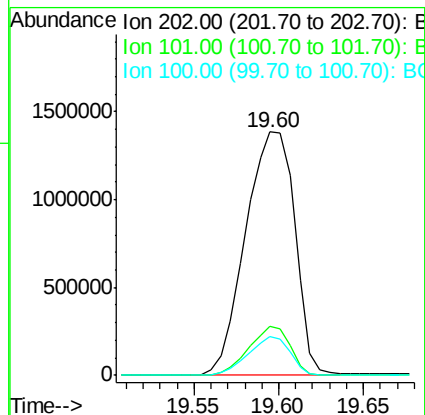
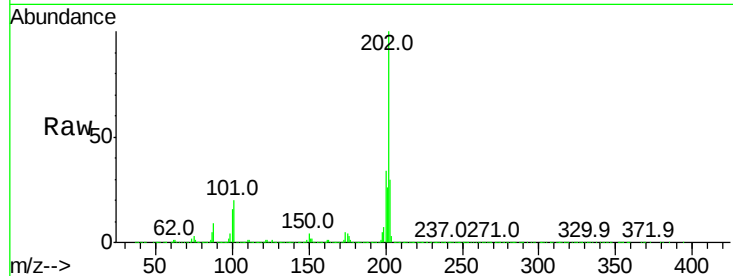
ClientSampleId :

D9XF8

Tot Ion:	202	Resp:	2792985
Ion Ratio	Lower	Upper	
202	100		
101	20.1	8.9	13.3#
100	15.9	7.0	10.4#

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#78

Pyrene

Concen: 115.36 ng/ul m

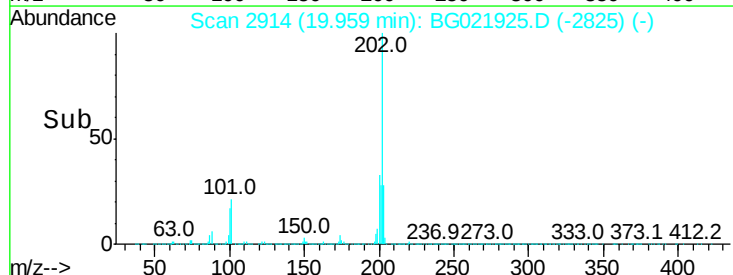
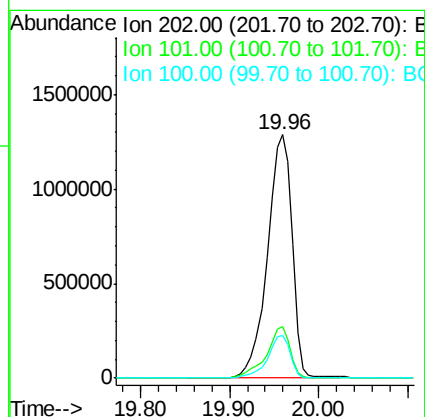
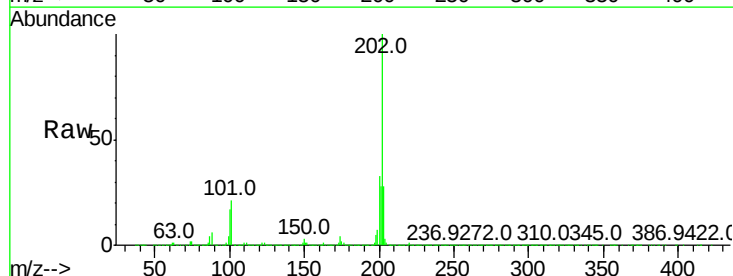
RT: 19.96 min Scan# 2914

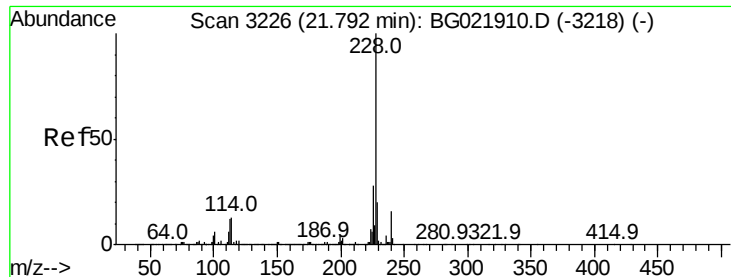
Delta R.T. 0.02 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Tgt Ion:	202	Resp:	2514499
Ion Ratio	Lower	Upper	
202	100		
101	21.1	9.8	14.8#
100	17.4	9.3	13.9#





#81

Benzo(a)anthracene

Concen: 85.25 ng/ul

RT: 21.82 min Scan# 3231

Delta R.T. 0.03 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

ClientSampleId :

D9XF8

Tot Ion:228 Resp: 1787353

Ion Ratio Lower Upper

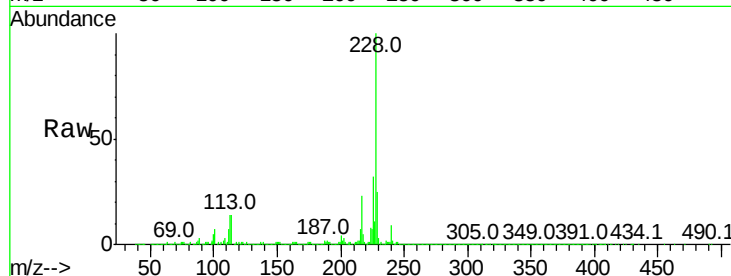
228 100

229 24.9 16.6 25.0

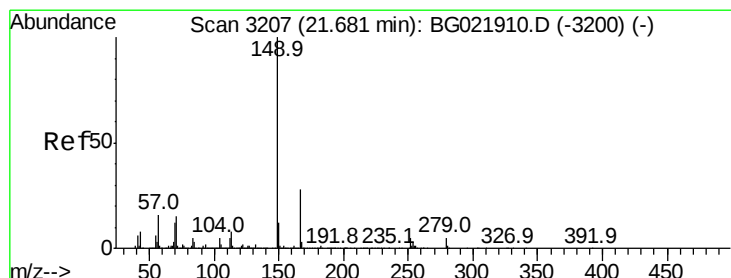
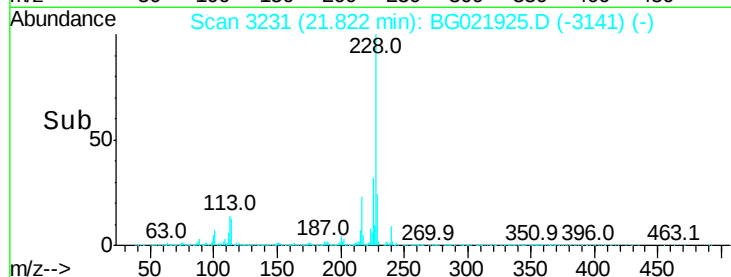
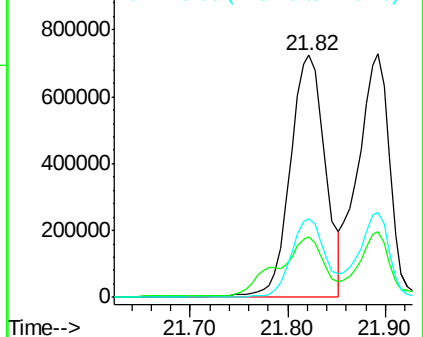
226 32.4 21.0 31.4#

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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



#82

Bis(2-ethylhexyl)phthalate

Concen: 3.40 ng/ul

RT: 21.69 min Scan# 3209

Delta R.T. 0.01 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Tgt Ion:149 Resp: 26749

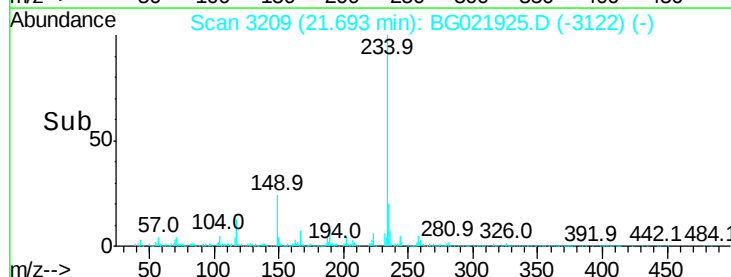
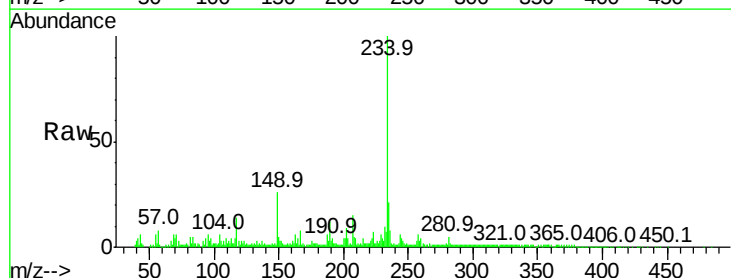
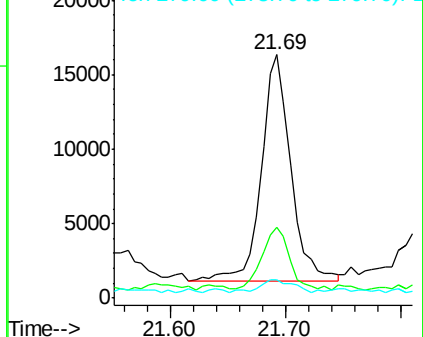
Ion Ratio Lower Upper

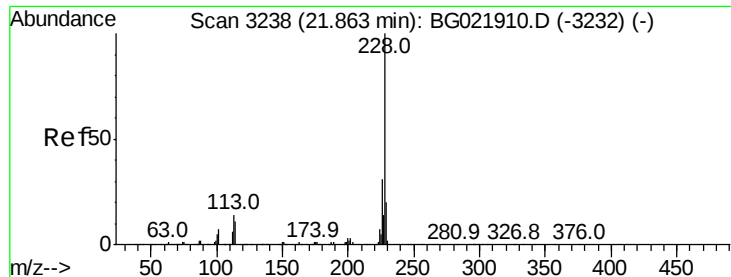
149 100

167 29.1 20.5 30.7

279 7.6 3.7 5.5#

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





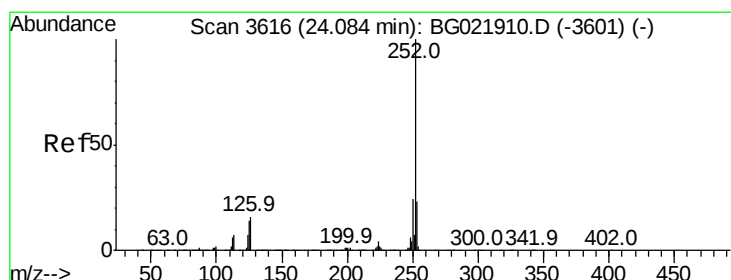
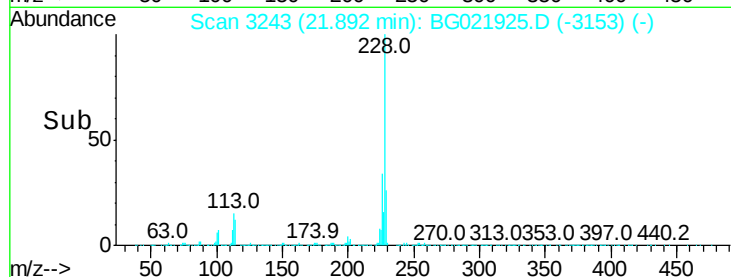
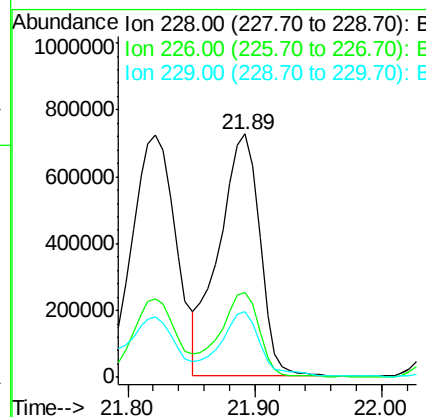
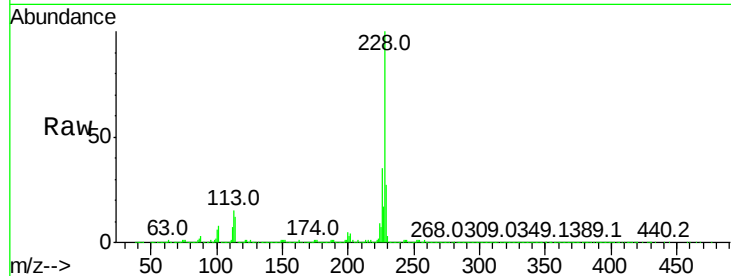
#83
Chrysene
Concen: 77.90 ng/ul
RT: 21.89 min Scan# 3243
Delta R.T. 0.03 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

Instrument :
BNA_G
ClientSampleId :
D9XF8

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	23.4	35.2
229	26.8	16.2	24.2

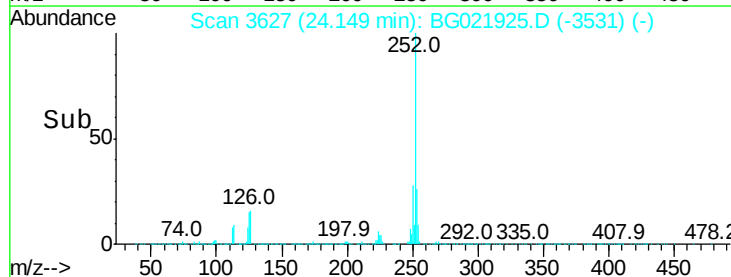
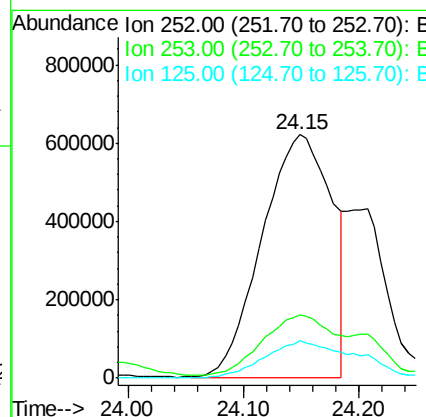
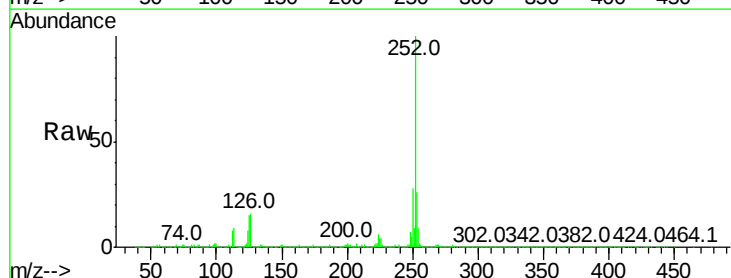
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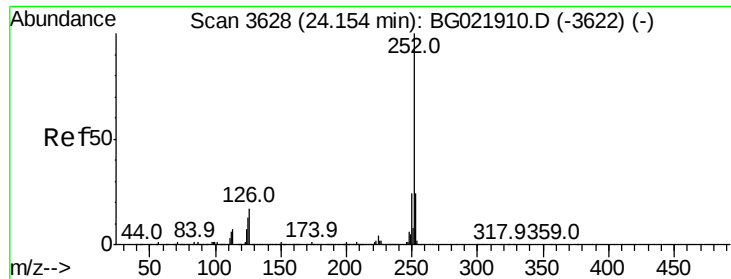
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#86
Benzo(b)fluoranthene
Concen: 137.30 ng/ul m
RT: 24.15 min Scan# 3627
Delta R.T. 0.06 min
Lab File: BG021925.D
Acq: 17 May 2016 3:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	15.2	7.6	11.4





#87

Benzo(k)fluoranthene

Concen: 55.55 ng/ul m

RT: 24.21 min Scan# 3637

Delta R.T. 0.05 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

ClientSampleId :

D9XF8

Tot Ion:252 Resp: 1125566

Ion Ratio Lower Upper

252 100

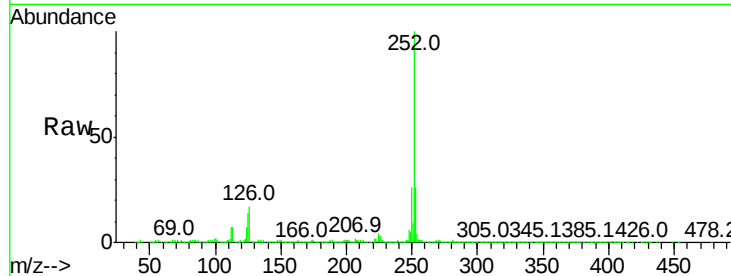
253 26.2 17.8 26.8

125 13.7 7.7 11.5#

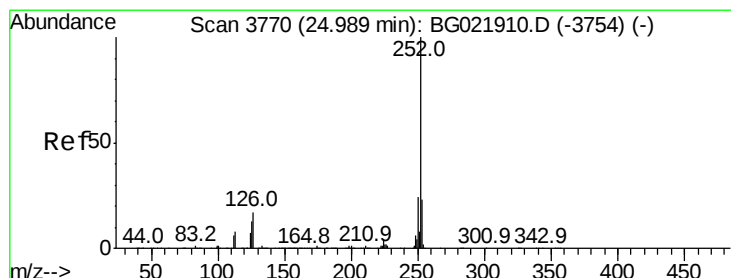
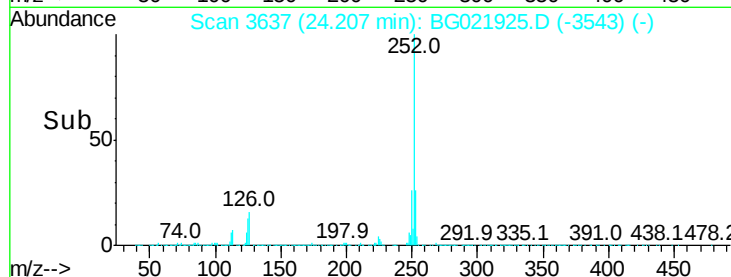
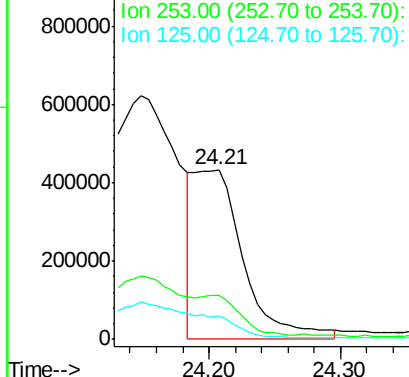
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 83.41 ng/ul m

RT: 25.06 min Scan# 3782

Delta R.T. 0.07 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

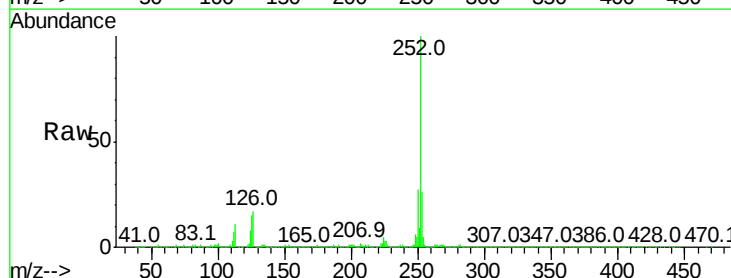
Tgt Ion:252 Resp: 1571569

Ion Ratio Lower Upper

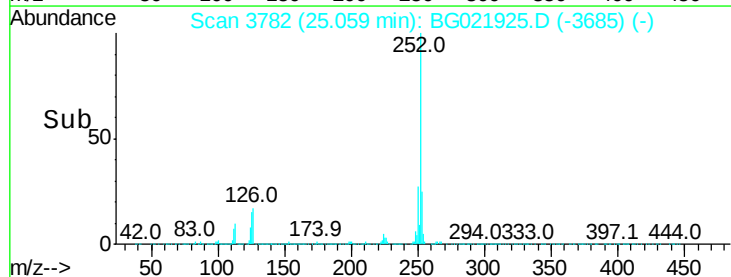
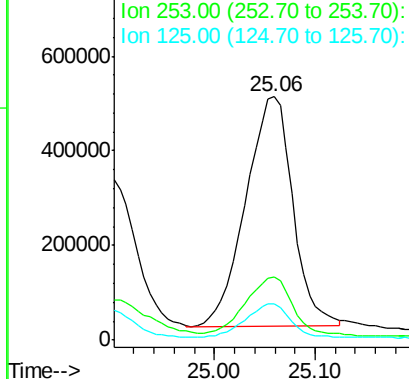
252 100

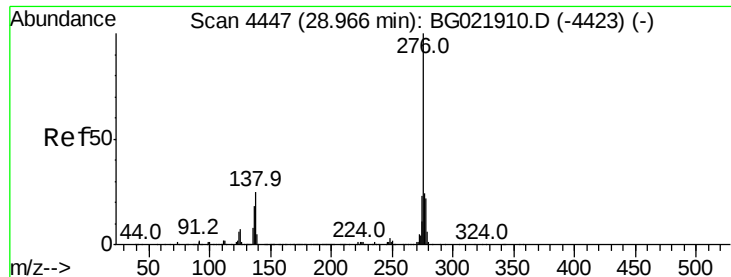
253 26.0 17.4 26.0#

125 14.8 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





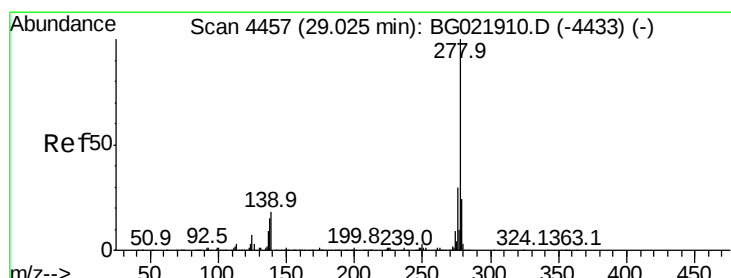
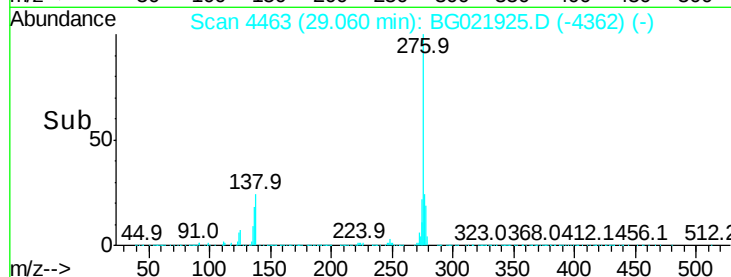
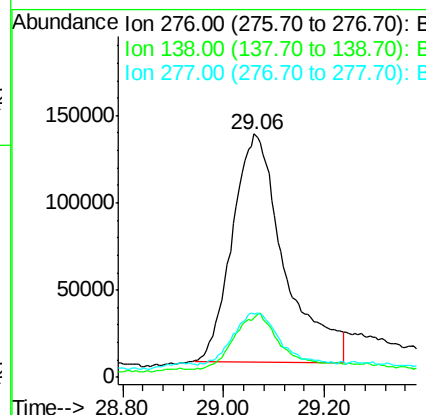
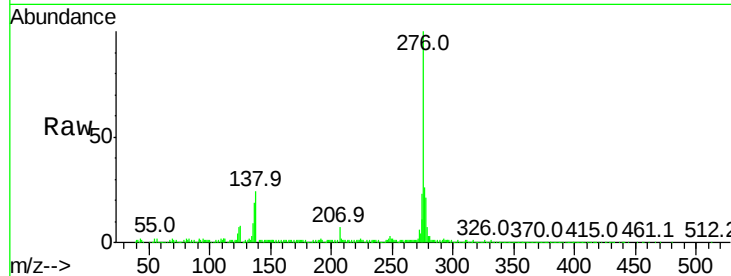
#90
 Indeno(1,2,3-cd)pyrene
 Concen: 41.94 ng/ul m
 RT: 29.06 min Scan# 4463
 Delta R.T. 0.09 min
 Lab File: BG021925.D
 Acq: 17 May 2016 3:25

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	15.8	23.6#
277	25.9	19.0	28.6

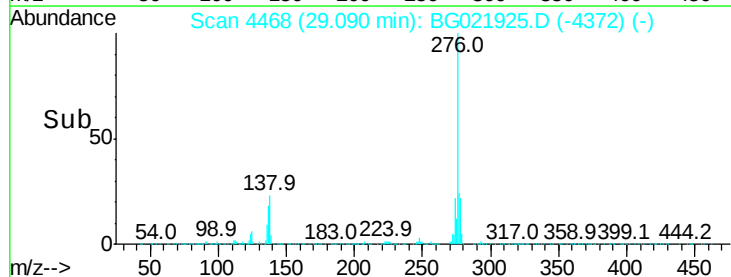
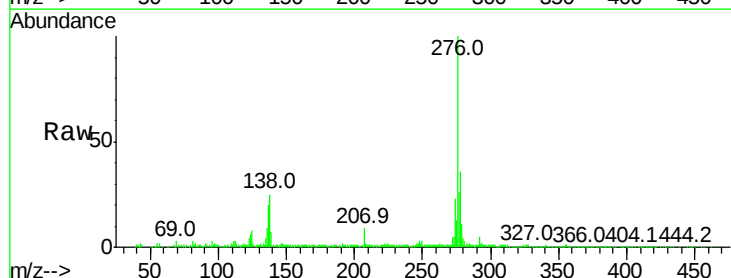
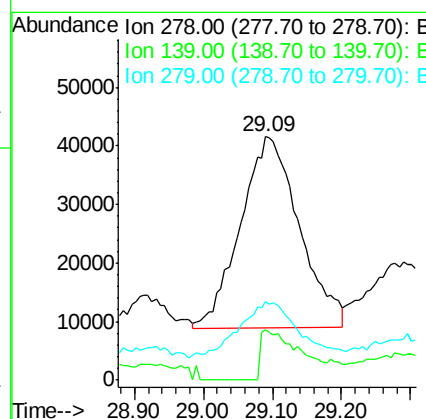
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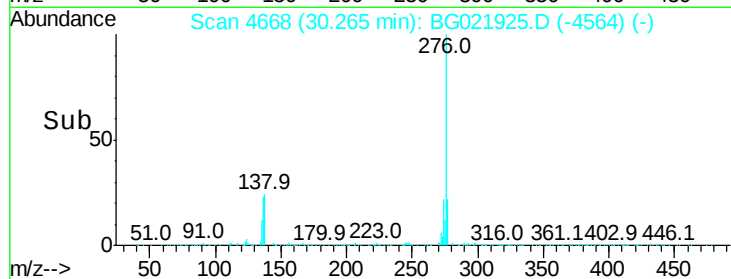
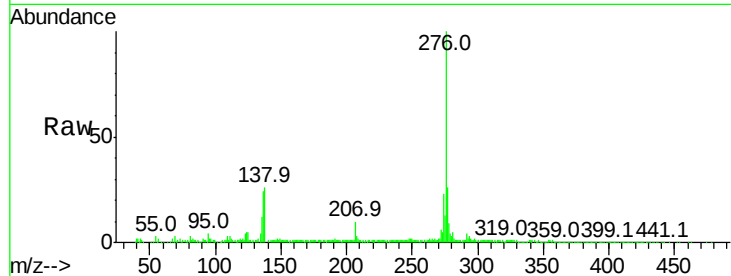
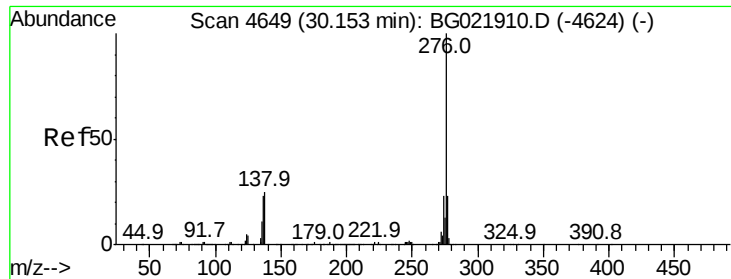
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#91
 Dibenzo(a,h)anthracene
 Concen: 10.44 ng/ul m
 RT: 29.09 min Scan# 4468
 Delta R.T. 0.06 min
 Lab File: BG021925.D
 Acq: 17 May 2016 3:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.1	18.1#
279	32.1	19.8	29.8#





#92

Benzo(a,h,i)perylene

Concen: 33.88 ng/ul m

RT: 30.26 min Scan# 4668

Delta R.T. 0.11 min

Lab File: BG021925.D

Acq: 17 May 2016 3:25

Instrument :

BNA_G

ClientSampleId :

D9XF8

Tot Ion: 276 Resp: 624317

Ion Ratio Lower Upper

276 100

138 25.9 13.9 20.9#

277 25.6 19.8 29.6

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