

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
 Data File : BG021892.D
 Acq On : 15 May 2016 14:14
 Operator : UM/SJ
 Sample : H3096-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

Manual Integrations
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Quant Time: May 16 02:11:20 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	50035	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	284556	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	181987	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	393598	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	405266	20.00	ng/ul	0.01
84) Perylene-d12	25.17	264	409605m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2926	2.82	ng/uL	0.00
5) Phenol-d5	7.31	99	69166	18.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	33613	18.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	67177	23.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	49958	16.02	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	36657	19.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	39012	33.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	75710m	22.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	75008m	20.84	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	269017	21.05	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	355419	19.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	28428m	12.97	ng/ul	0.00
58) Fluorene-d10	15.78	176	248259	18.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	30502	27.98	ng/ul	0.00
71) Anthracene-d10	17.63	188	367172	19.16	ng/ul	0.00
77) Pyrene-d10	19.91	212	387953	20.45	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	368248	18.92	ng/ul	0.02

Target Compounds

					Qvalue	
28) Naphthalene	11.03	128	477026	33.43	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	78284	7.45	ng/ul	98
35) 1-Methylnaphthalene	12.84	142	46263	4.44	ng/ul#	99
41) 1,1'-Biphenyl	13.63	154	24469	1.73	ng/ul	92
45) Dimethylphthalate	14.23	163	124749	9.58	ng/ul	99
50) Acenaphthene	14.85	153	379059	29.34	ng/ul	98
54) Dibenzofuran	15.18	168	198233m	11.44	ng/ul	
59) Fluorene	15.84	166	254957	17.02	ng/ul	99
69) Pentachlorophenol	17.19	266	5948m	3.28	ng/ul	
70) Phenanthrene	17.58	178	2561452m	119.03	ng/ul	
72) Anthracene	17.67	178	704106	32.21	ng/ul	98
73) Carbazole	17.93	167	550854	29.07	ng/ul#	96
75) Fluoranthene	19.58	202	3140158	128.44	ng/ul#	73
78) Pyrene	19.95	202	2852892	121.68	ng/ul#	75
81) Benzo(a)anthracene	21.80	228	2017914	89.47	ng/ul#	87
82) Bis(2-ethylhexyl)phthalate	21.69	149	18593	2.20	ng/ul#	97
83) Chrysene	21.88	228	1880005	84.27	ng/ul#	86
86) Benzo(b)fluoranthene	24.12	252	2926796m	124.83	ng/ul	
87) Benzo(k)fluoranthene	24.17	252	1089414m	43.40	ng/ul	
89) Benzo(a)pyrene	25.02	252	2143750m	91.85	ng/ul	
90) Indeno(1,2,3-cd)pyrene	29.03	276	1694839m	61.27	ng/ul	
91) Dibenzo(a,h)anthracene	29.05	278	422695m	18.36	ng/ul	
92) Benzo(g,h,i)perylene	30.22	276	1552543m	68.01	ng/ul	

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: May 16 02:11:20 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

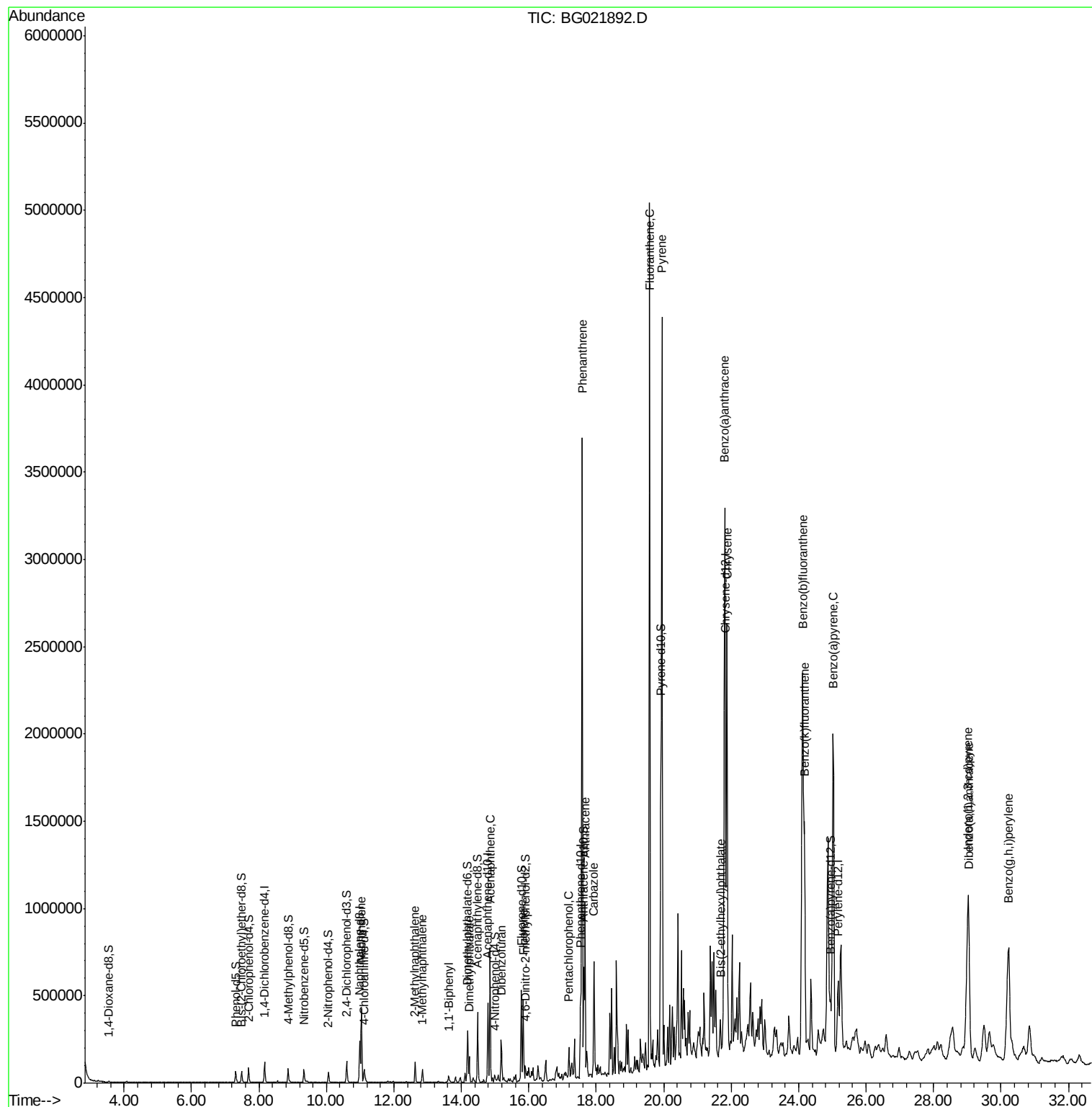
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Data File : BG021892.D
Acq On : 15 May 2016 14:14
Operator : UM/SJ
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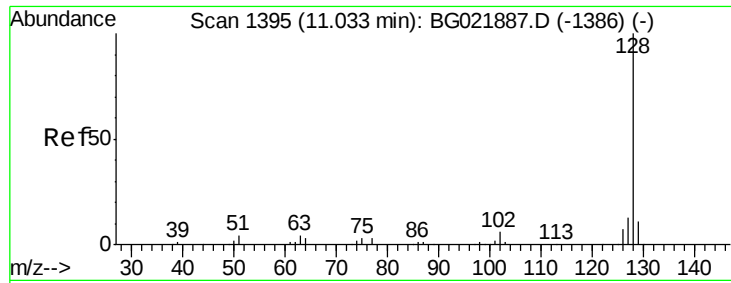
Instrument :
BNA_G
ClientSampled :
D9XF9

Manual Integrations
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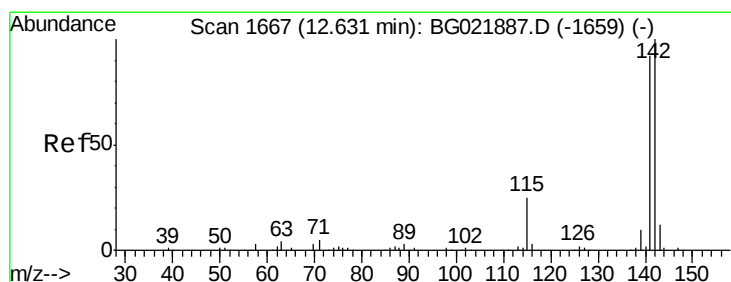
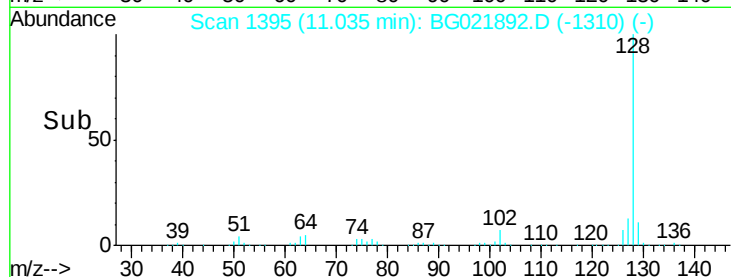
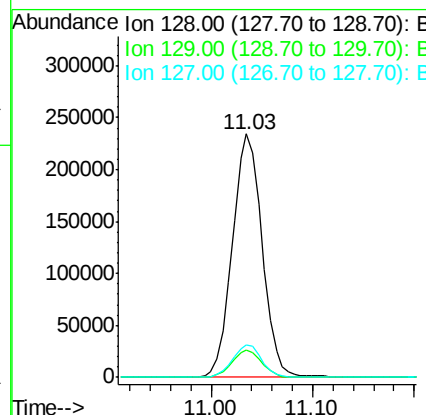
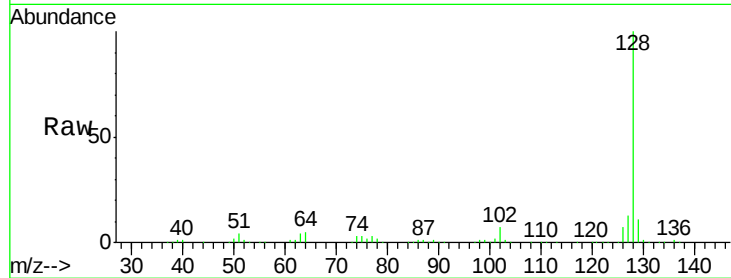
#28
Naphthalene
Concen: 33.43 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.3	12.5
127	13.2	10.8	16.2

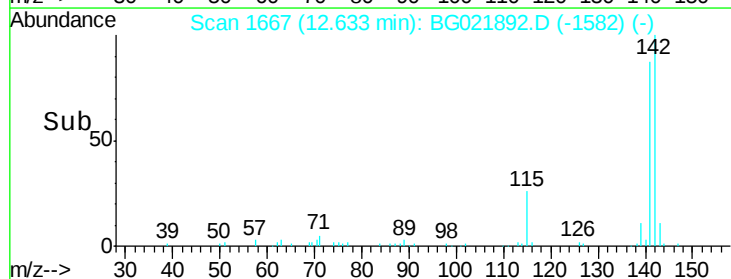
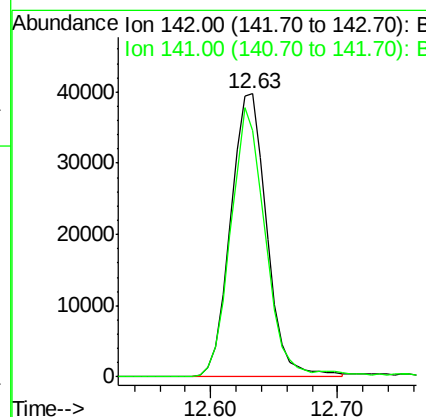
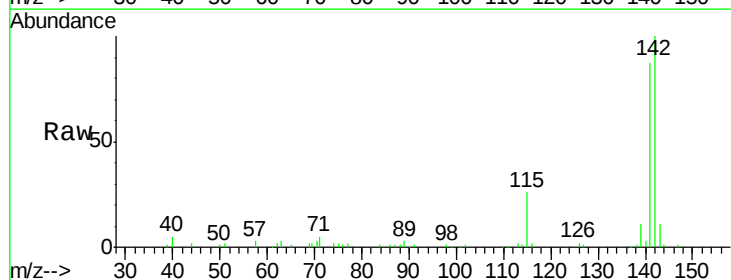
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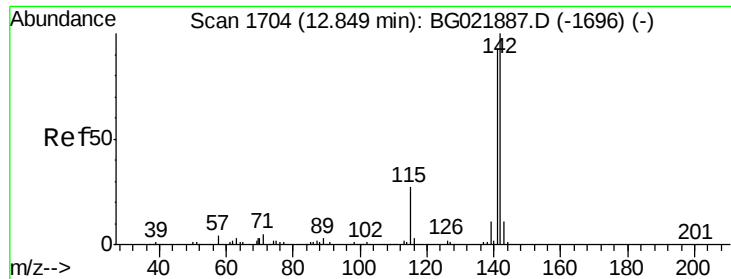
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#34
2-Methylnaphthalene
Concen: 7.45 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9





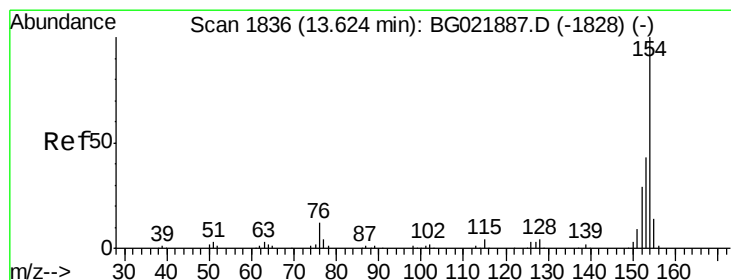
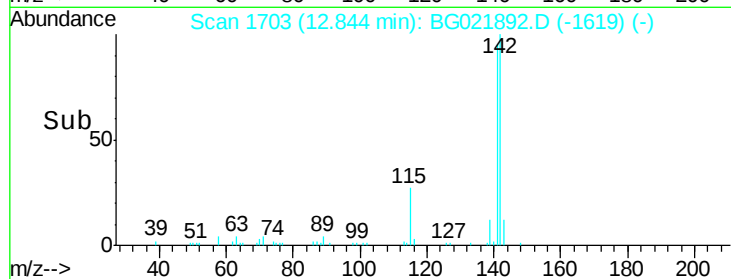
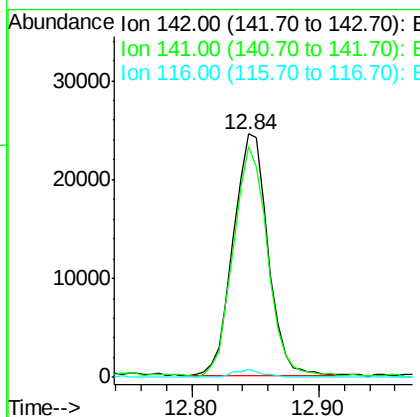
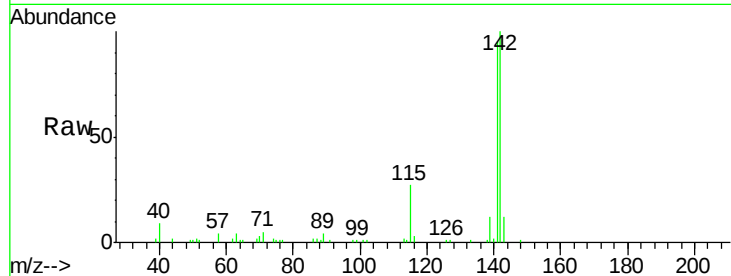
#35
 1-Methylnaphthalene
 Concen: 4.44 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	77.0	115.4
116	3.4	4.2	6.4#

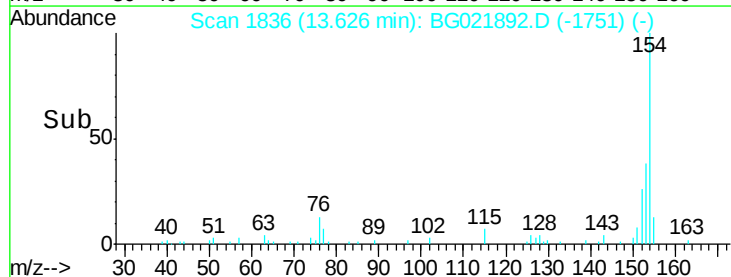
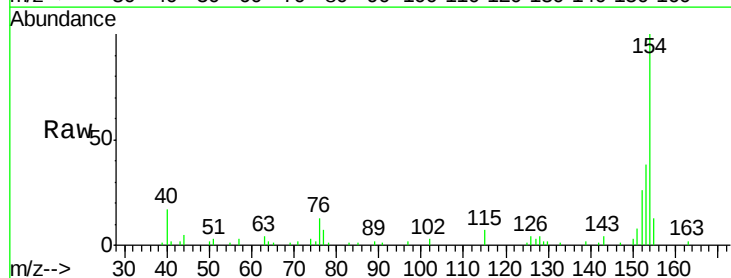
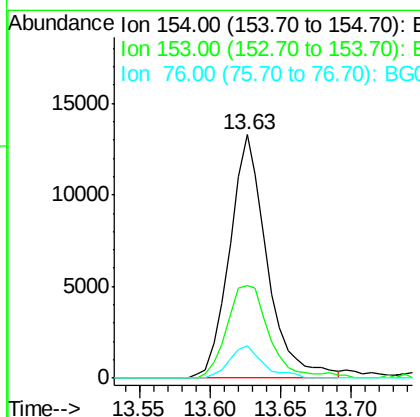
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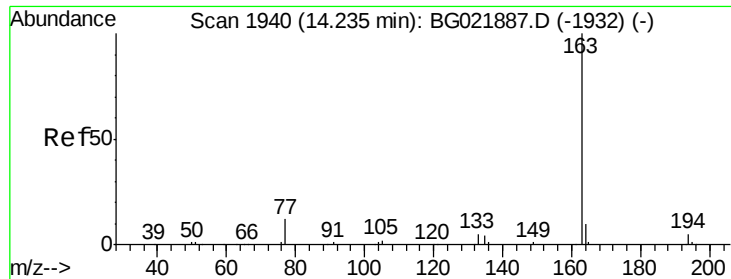
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#41
 1,1'-Biphenyl
 Concen: 1.73 ng/ul
 RT: 13.63 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.2	35.4	53.2
76	13.3	12.1	18.1





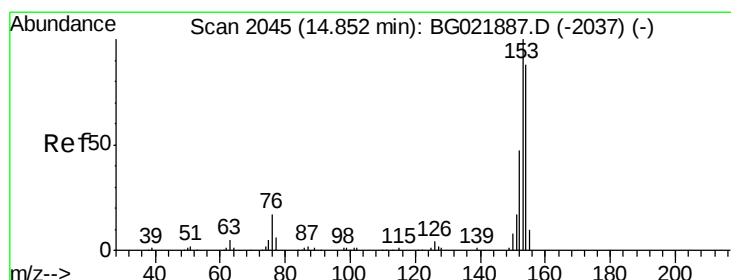
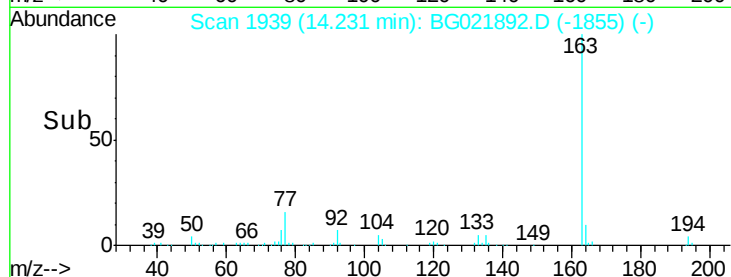
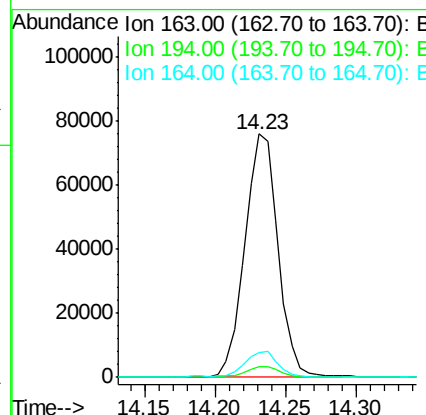
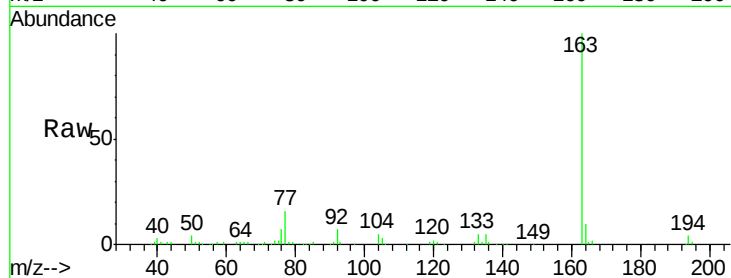
#45
Dimethylphthalate
Concen: 9.58 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	124749		
194	4.5		3.9	5.9
164	10.4		8.7	13.1

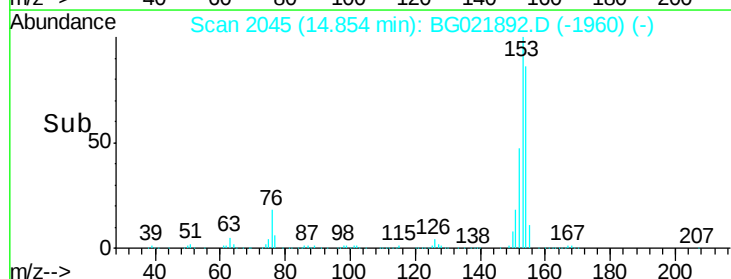
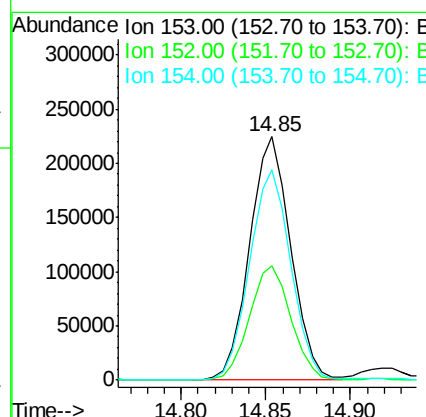
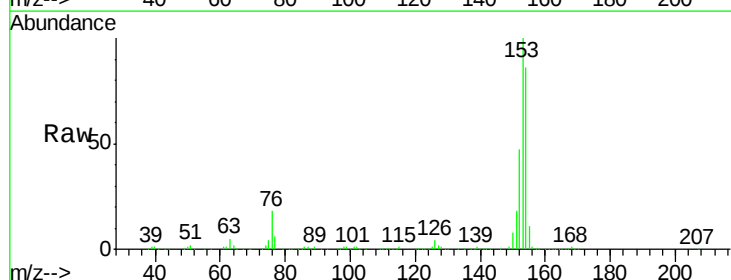
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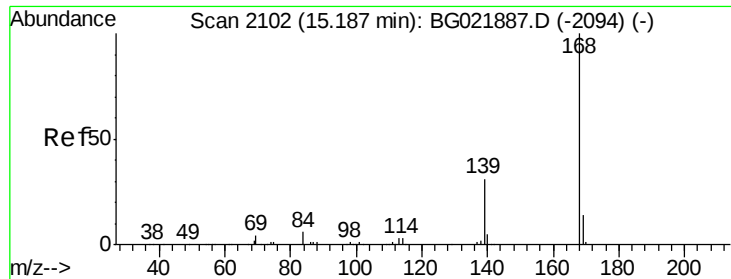
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#50
Acenaphthene
Concen: 29.34 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	379059		
152	47.2		36.5	54.7
154	86.2		67.3	100.9





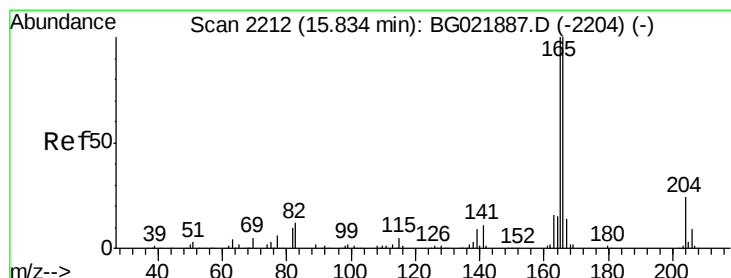
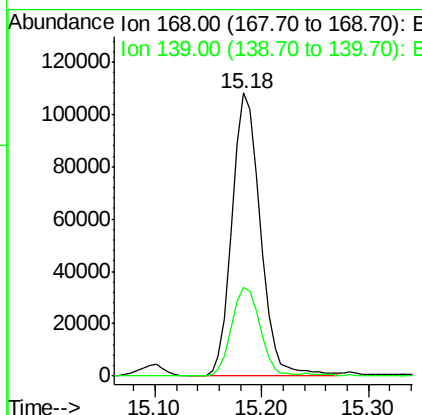
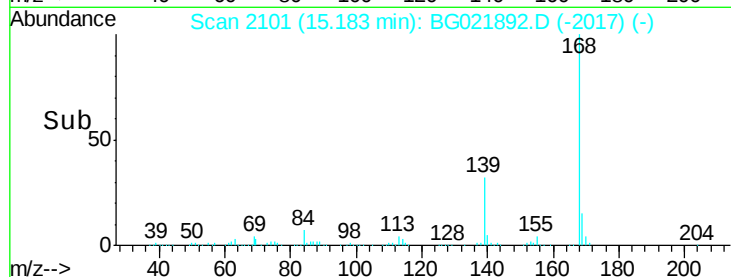
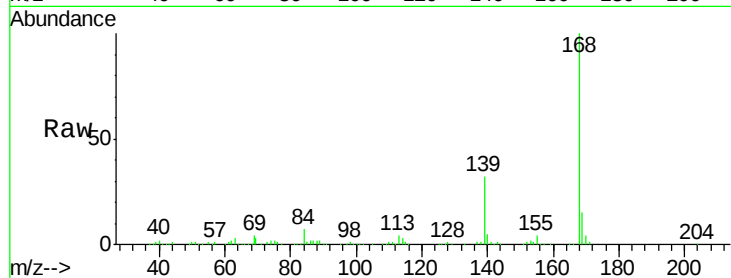
#54
Dibenzenofuran
Concen: 11.44 ng/ul m
RT: 15.18 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tgt Ion:168 Resp: 198233
Ion Ratio Lower Upper
168 100
139 31.5 35.2 52.8#

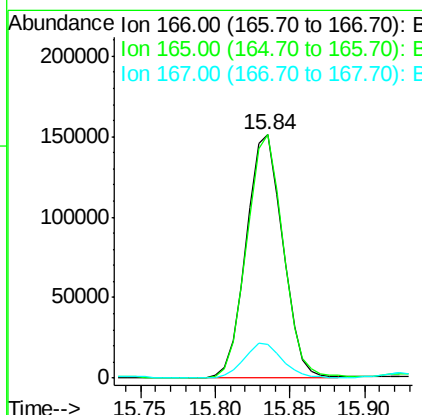
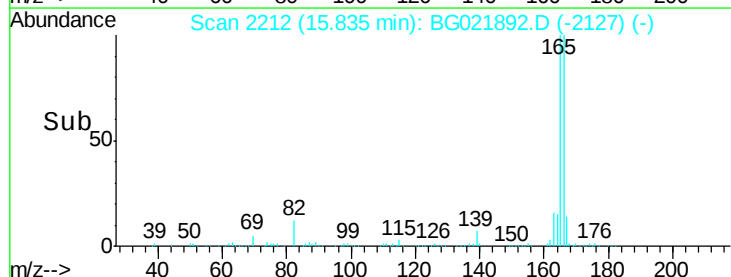
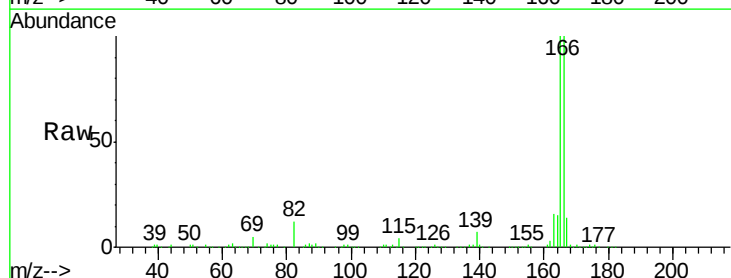
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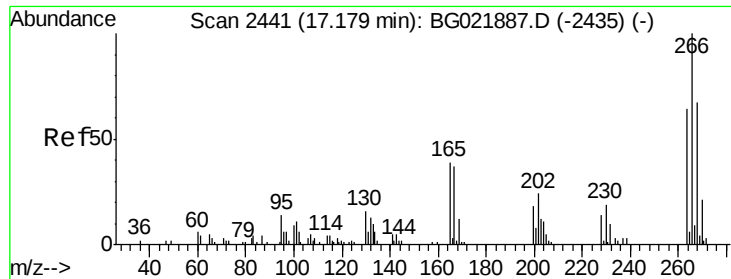
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#59
Fluorene
Concen: 17.02 ng/ul
RT: 15.84 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion:166 Resp: 254957
Ion Ratio Lower Upper
166 100
165 100.2 81.1 121.7
167 13.8 10.6 16.0





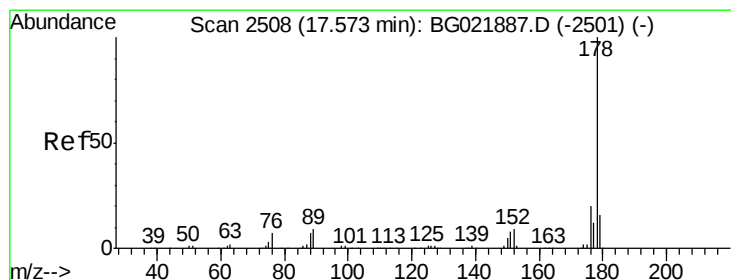
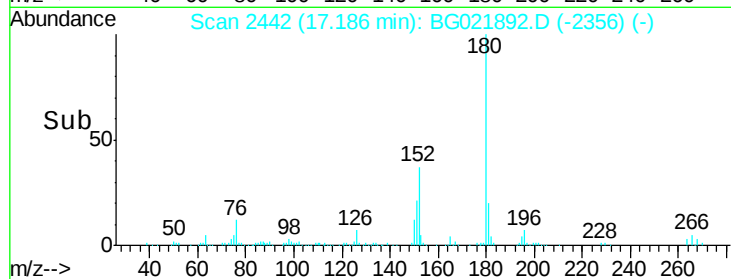
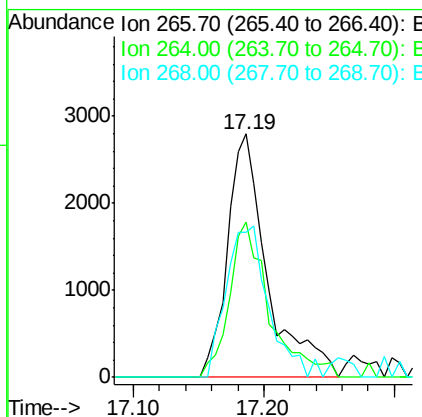
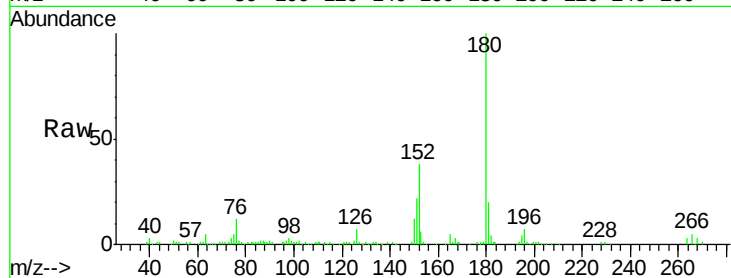
#69
 Pentachlorophenol
 Concen: 3.28 ng/ul m
 RT: 17.19 min Scan# 2442
 Delta R.T. 0.01 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5948		
264	63.8	56.7	85.1	
268	59.7	50.6	76.0	

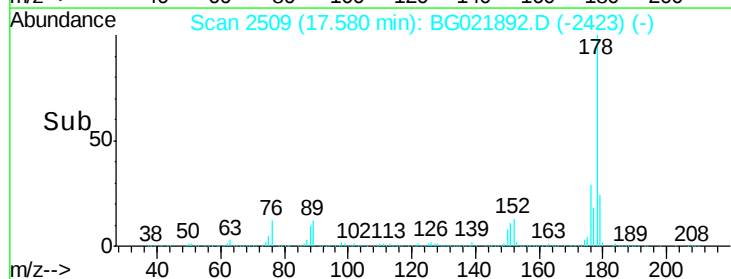
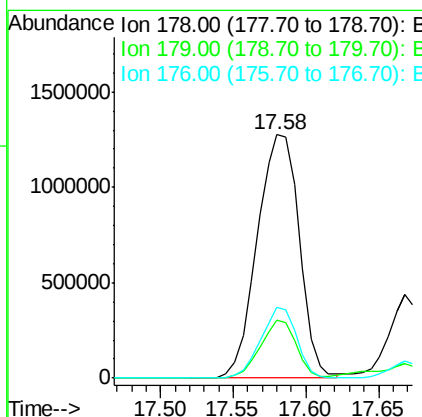
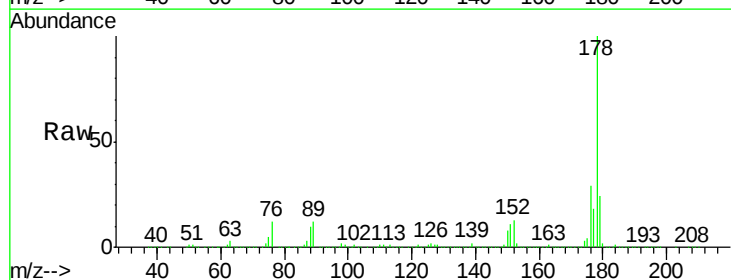
Manual Integrations
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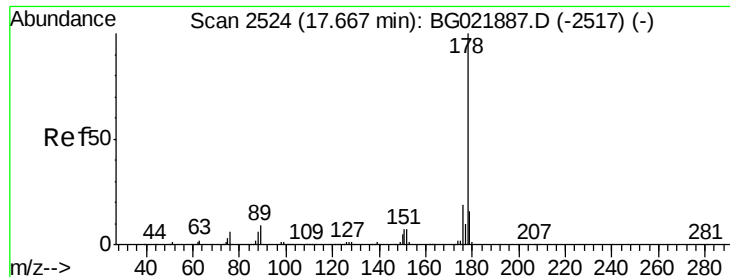
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#70
 Phenanthrene
 Concen: 119.03 ng/ul m
 RT: 17.58 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2561452		
179	23.7	11.8	17.8#	
176	28.8	14.8	22.2#	





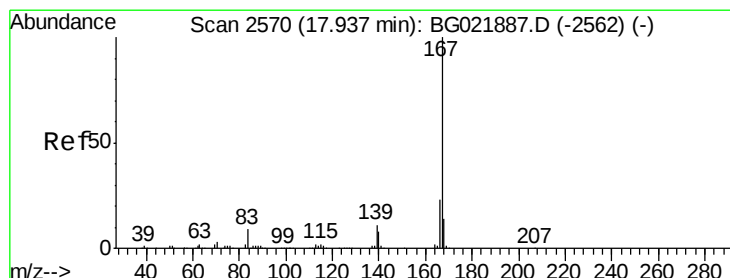
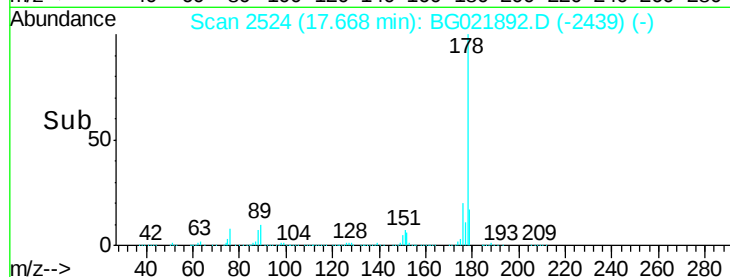
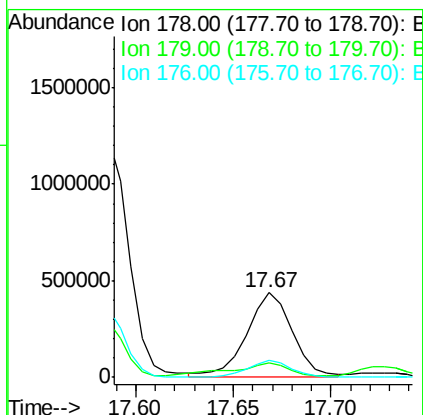
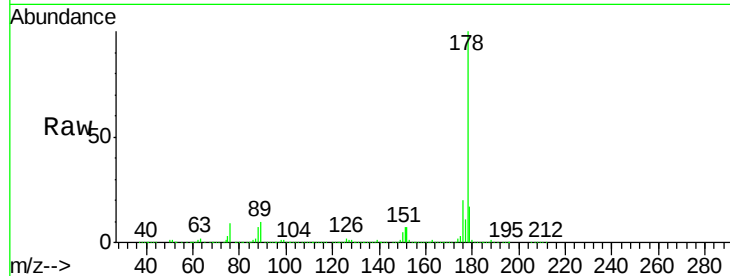
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 Anthracene
 Concen: 32.21 ng/ul
 RT: 17.67 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Instrument :
 BNA_G
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 D9XF9

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	704106		
179	17.4	12.9	19.3	
176	20.0	15.6	23.4	

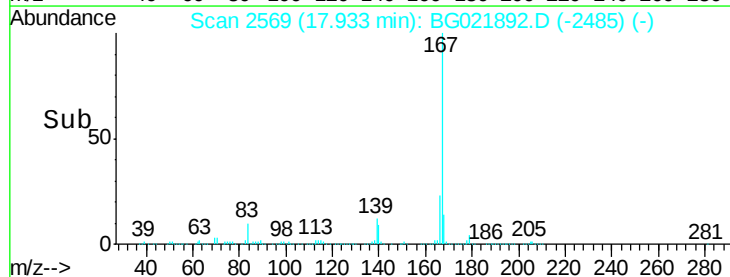
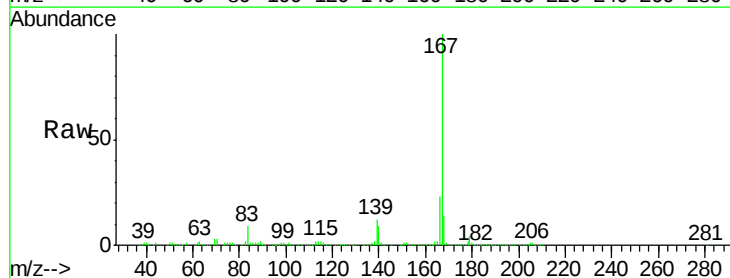
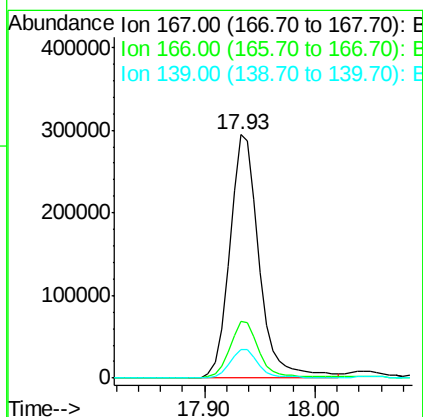
Manual Integrations
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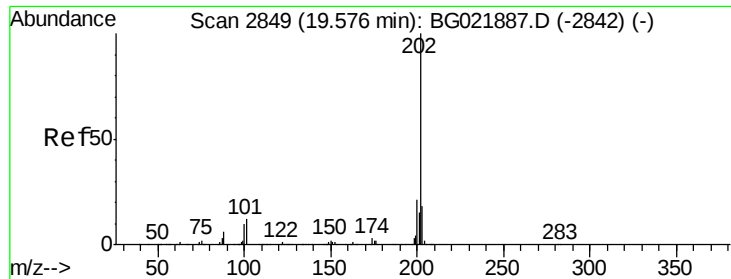
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#73
 Carbazole
 Concen: 29.07 ng/ul
 RT: 17.93 min Scan# 2569
 Delta R.T. -0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	550854		
166	23.4	19.0	28.4	
139	11.9	12.2	18.4	





#75

Fluoranthene

Concen: 128.44 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

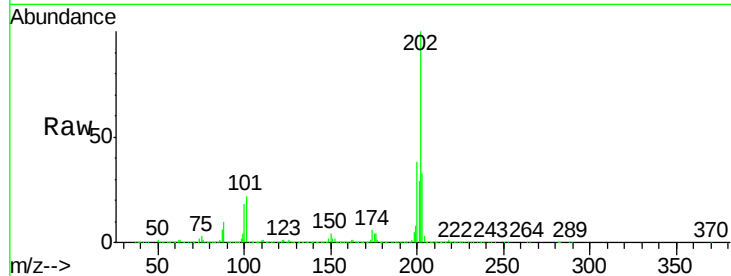
ClientSampleId :

D9XF9

Tgt Ion:	202	Resp:	3140158
Ion Ratio	Lower	Upper	
202	100		
101	22.0	8.9	13.3#
100	17.7	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

19.58

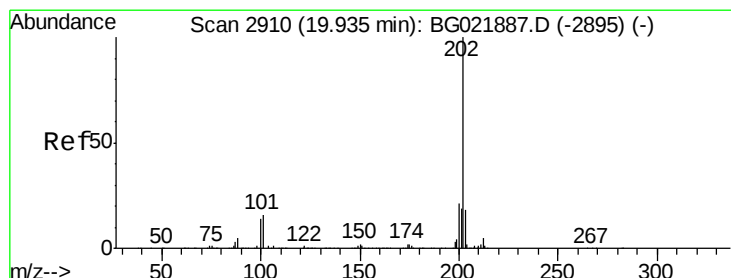
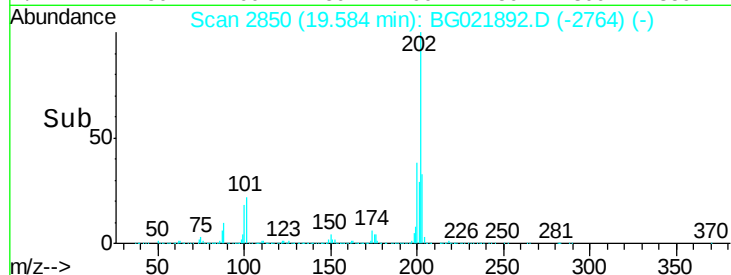
1500000

1000000

500000

0

Time--> 19.50 19.55 19.60 19.65



#78

Pyrene

Concen: 121.68 ng/ul

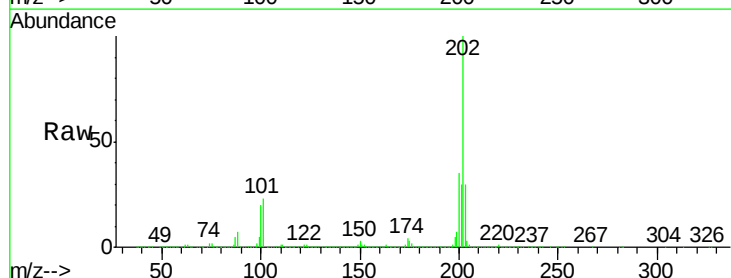
RT: 19.95 min Scan# 2912

Delta R.T. 0.01 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Tgt Ion:	202	Resp:	2852892
Ion Ratio	Lower	Upper	
202	100		
101	23.1	9.8	14.8#
100	19.8	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

19.95

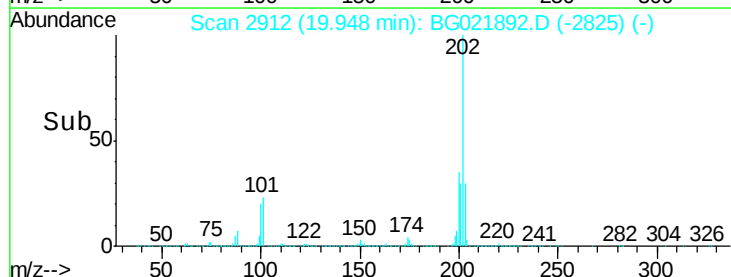
1500000

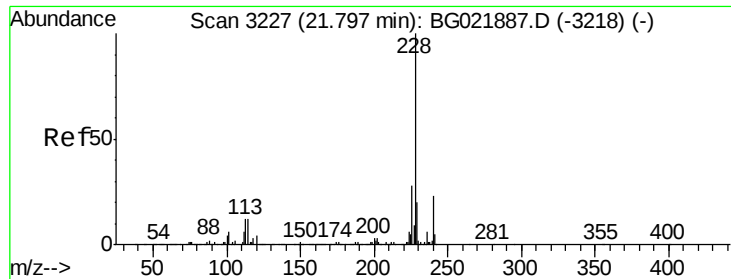
1000000

500000

0

Time--> 19.90 20.00





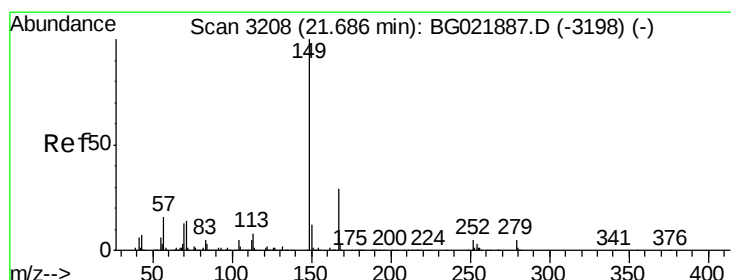
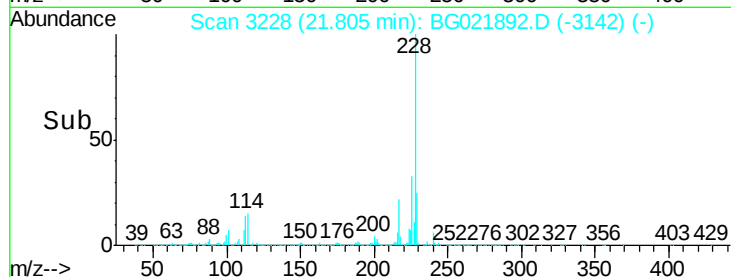
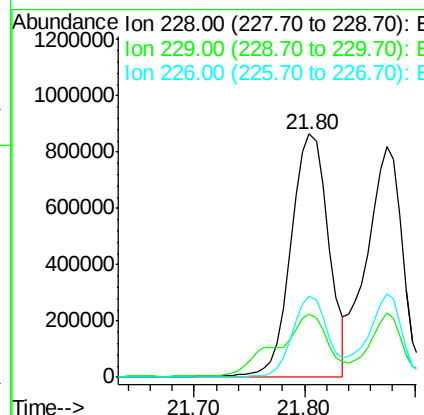
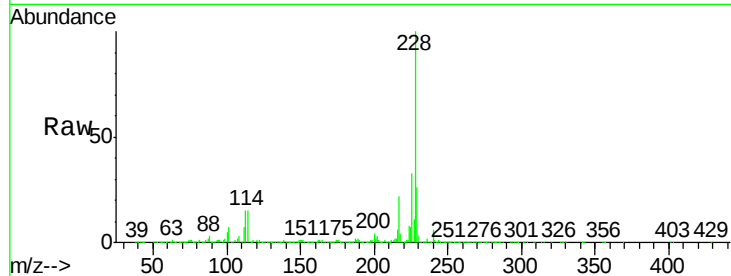
#81
Benzo(a)anthracene
Concen: 89.47 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.9	16.6	25.0#
226	33.4	21.0	31.4#

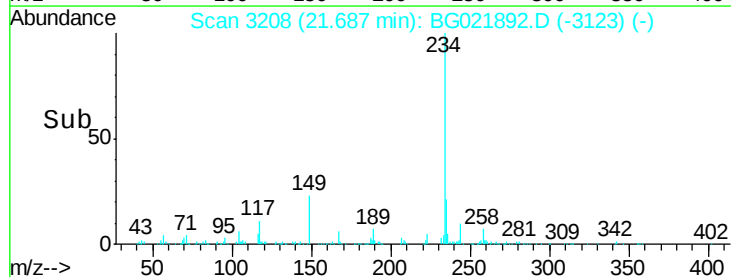
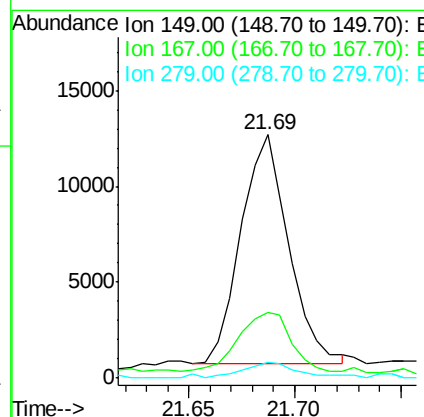
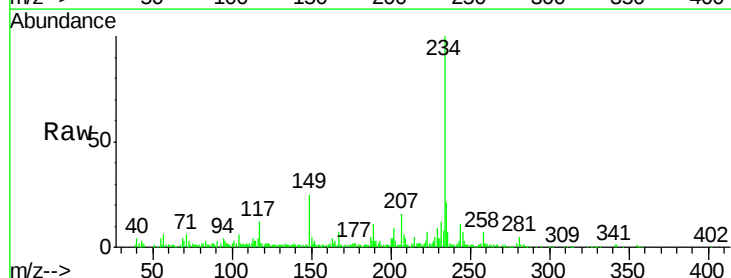
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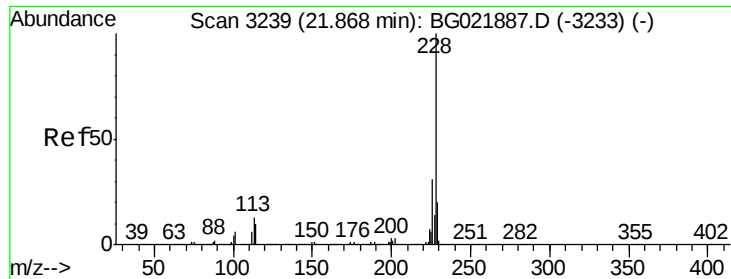
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#82
Bis(2-ethylhexyl)phthalate
Concen: 2.20 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	20.5	30.7
279	6.4	3.7	5.5#





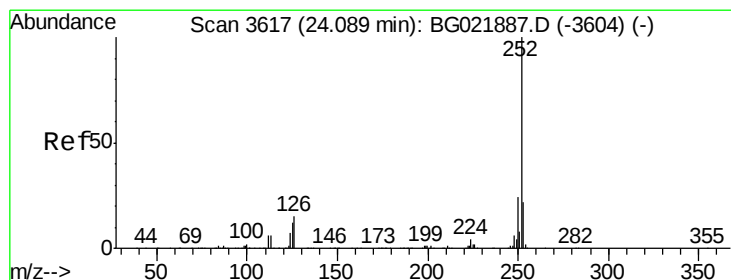
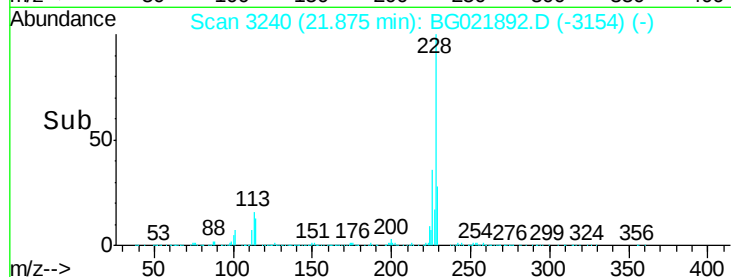
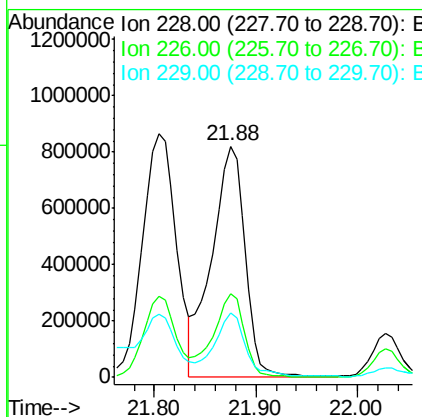
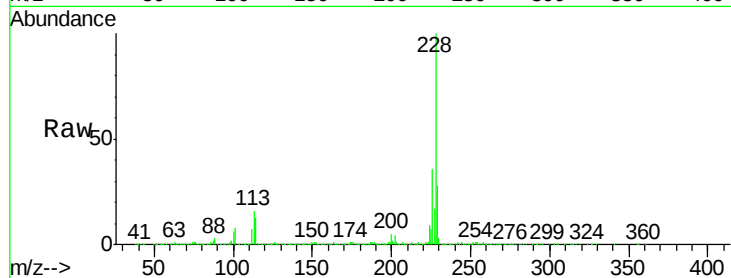
#83
Chrysene
Concen: 84.27 ng/ul
RT: 21.88 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tgt Ion: 228 Resp: 1880005
Ion Ratio Lower Upper
228 100
226 36.0 23.4 35.2#
229 28.0 16.2 24.2#

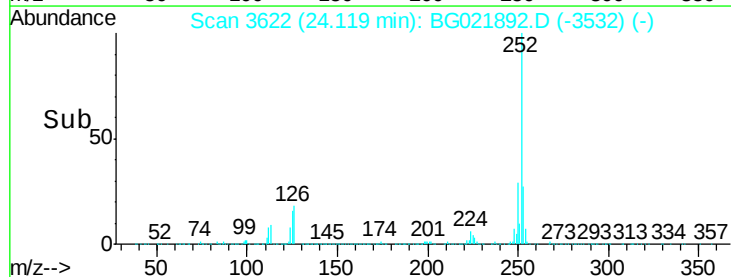
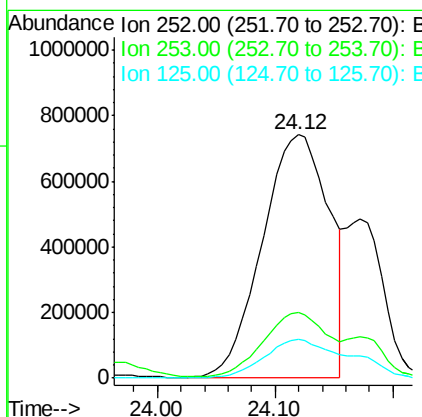
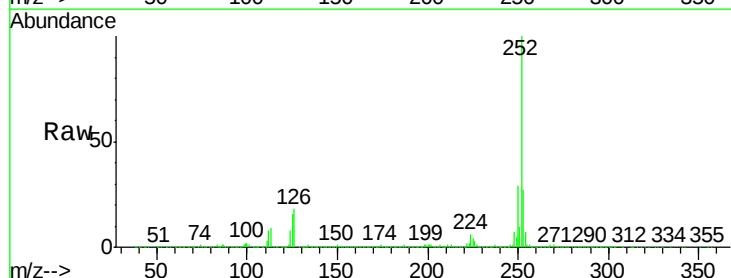
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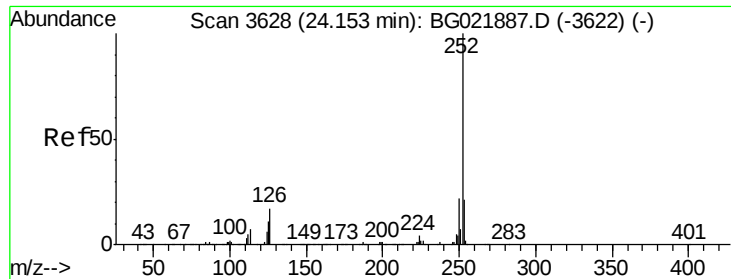
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#86
Benzo(b)fluoranthene
Concen: 124.83 ng/ul m
RT: 24.12 min Scan# 3622
Delta R.T. 0.03 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion: 252 Resp: 2926796
Ion Ratio Lower Upper
252 100
253 27.0 18.1 27.1
125 15.9 7.6 11.4#





#87

Benzo(k)fluoranthene

Concen: 43.40 ng/ul m

RT: 24.17 min Scan# 3631

Delta R.T. 0.02 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampled :

D9XF9

Tgt Ion:252 Resp: 1089414

Ion Ratio Lower Upper

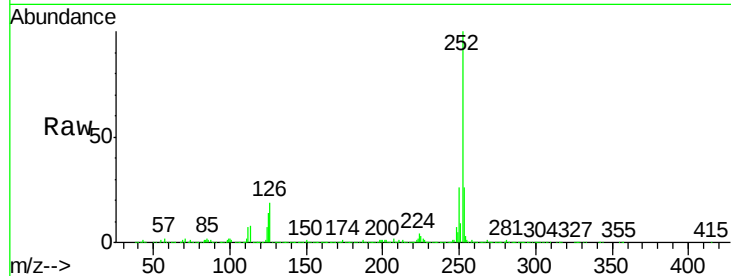
252 100

253 25.7 17.8 26.8

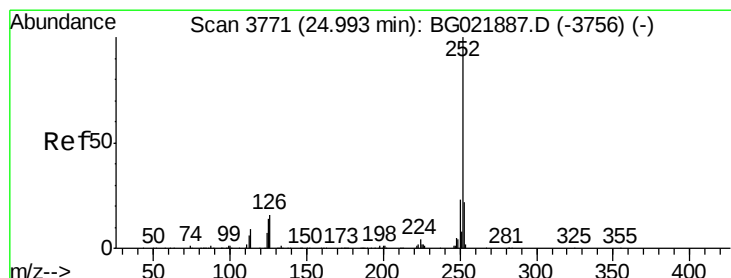
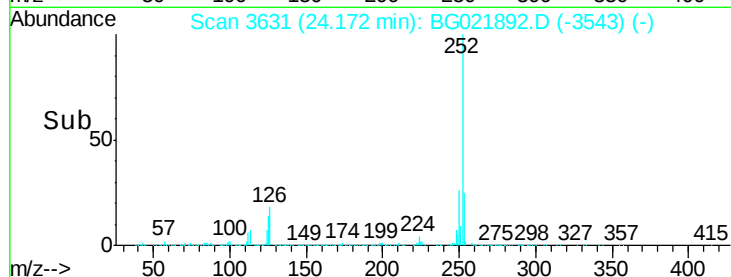
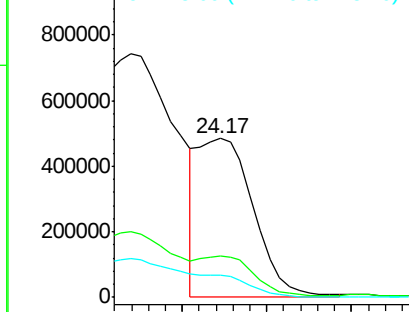
125 14.3 7.7 11.5#

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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: 91.85 ng/ul m

RT: 25.02 min Scan# 3776

Delta R.T. 0.03 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

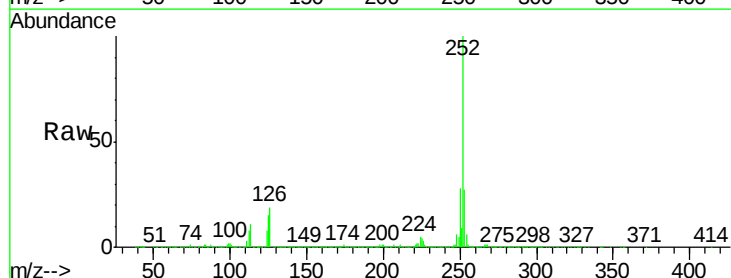
Tgt Ion:252 Resp: 2143750

Ion Ratio Lower Upper

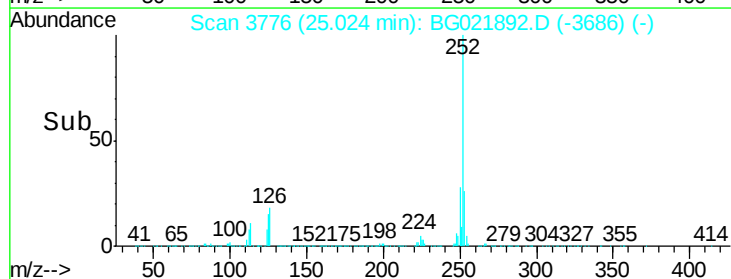
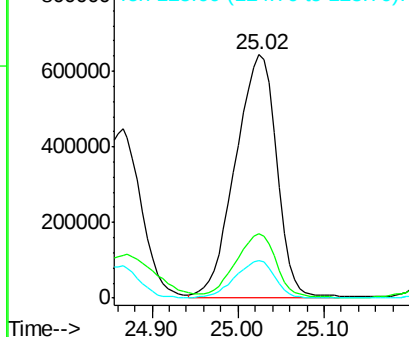
252 100

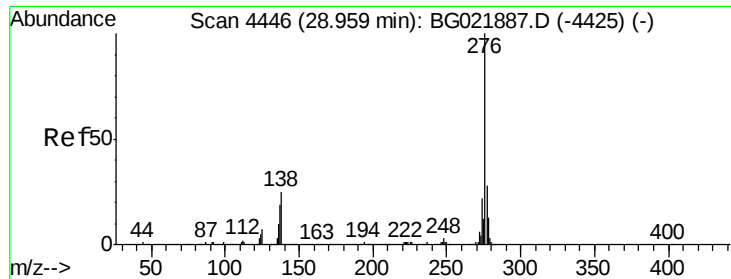
253 26.7 17.4 26.0#

125 15.4 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

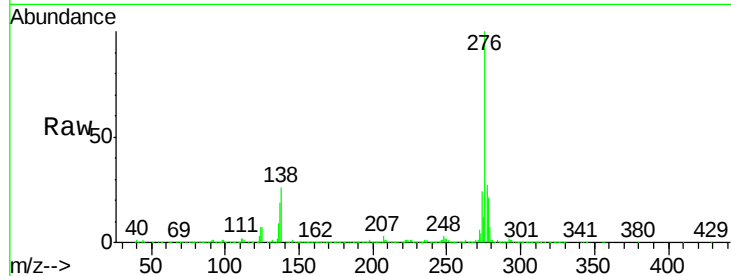
Indeno(1,2,3-cd)pyrene
Concen: 61.27 ng/ul m
RT: 29.03 min Scan# 4457
Delta R.T. 0.07 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

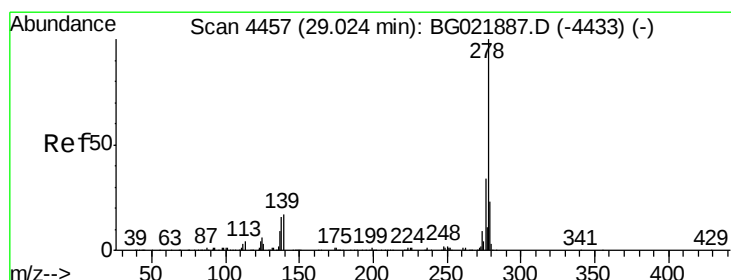
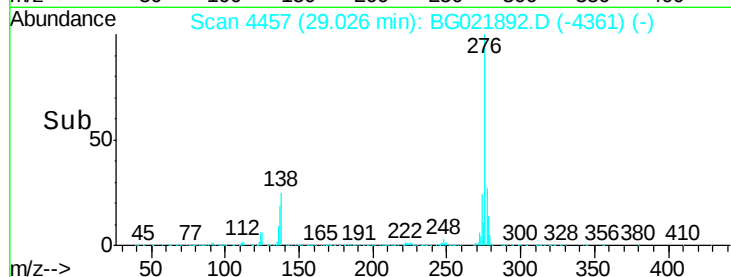
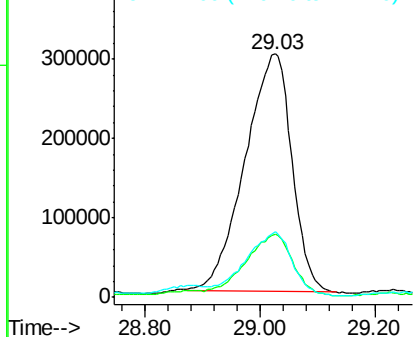
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	15.8	23.6#
277	27.1	19.0	28.6

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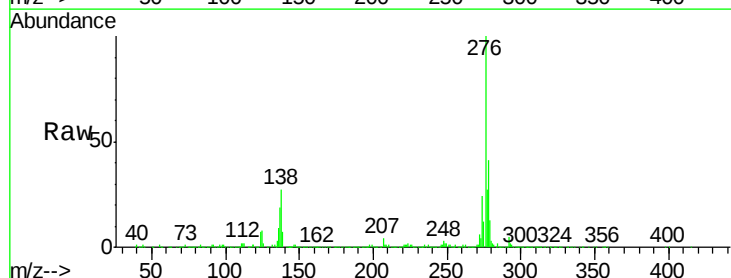
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



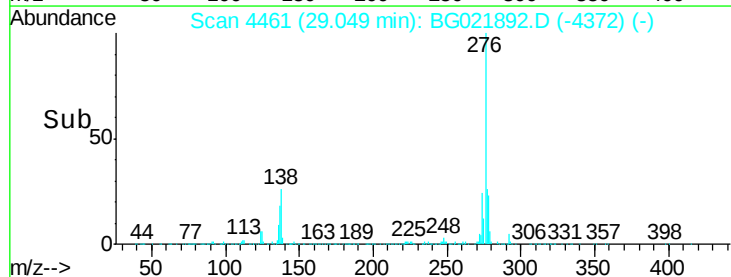
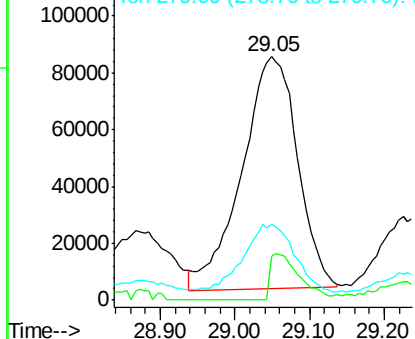
#91

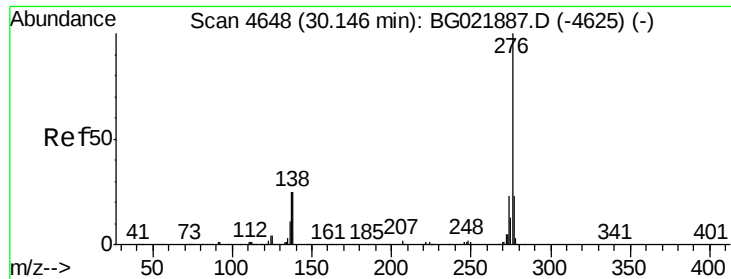
Dibenzo(a,h)anthracene
Concen: 18.36 ng/ul m
RT: 29.05 min Scan# 4461
Delta R.T. 0.02 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.1	18.1
279	31.2	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: 68.01 ng/ul m
 RT: 30.22 min Scan# 4661
 Delta R.T. 0.08 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	13.9	20.9#
277	24.6	19.8	29.6

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