

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
 Data File : BG021891.D
 Acq On : 15 May 2016 13:34
 Operator : UM/SJ
 Sample : H3096-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF7MSD

Manual Integrations
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Quant Time: May 16 02:04:01 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	8.16	152	44155	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	239333	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	146088	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	304697	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	296852	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	297140	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1928	2.11	ng/uL	0.00
5) Phenol-d5	7.31	99	43900	13.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	23118	14.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	42722	16.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	27570	10.02	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	21783	13.84	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	24374	24.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	44071	15.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	40481m	13.37	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	163860	15.97	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	222623	15.28	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	12614m	7.17	ng/ul	0.00
58) Fluorene-d10	15.78	176	149244	13.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	14279	16.92	ng/ul	0.00
71) Anthracene-d10	17.63	188	204371	13.78	ng/ul	0.00
77) Pyrene-d10	19.91	212	220404	15.86	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	203745	14.43	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.34	94	44335	12.72	ng/ul#	73
10) 2-Chlorophenol	7.72	128	43599	17.01	ng/ul#	80
15) N-Nitroso-di-n-propylamine	8.97	70	33244	16.23	ng/ul#	71
28) Naphthalene	11.04	128	14590	1.22	ng/ul	98
33) 4-Chloro-3-methylphenol	12.25	107	42761	14.77	ng/ul#	60
34) 2-Methylnaphthalene	12.63	142	13723	1.55	ng/ul	91
35) 1-Methylnaphthalene	12.85	142	11307	1.29	ng/ul	94
45) Dimethylphthalate	14.23	163	81466	7.79	ng/ul	98
50) Acenaphthene	14.85	153	167506	16.15	ng/ul	96
53) 4-Nitrophenol	15.00	109	5938m	7.41	ng/ul	
55) 2,4-Dinitrotoluene	15.14	165	42716	14.96	ng/ul#	53
59) Fluorene	15.83	166	13474	1.12	ng/ul	97
69) Pentachlorophenol	17.18	266	29173	20.77	ng/ul	94
70) Phenanthrene	17.58	178	177807	10.67	ng/ul	100
72) Anthracene	17.66	178	41761	2.47	ng/ul	98
73) Carbazole	17.93	167	18978m	1.29	ng/ul	
75) Fluoranthene	19.57	202	234321	12.38	ng/ul	97
78) Pyrene	19.94	202	483870m	28.17	ng/ul	
79) Butylbenzylphthalate	20.81	149	17297	4.56	ng/ul#	83
81) Benzo(a)anthracene	21.79	228	105135	6.36	ng/ul	99
82) Bis(2-ethylhexyl)phthalate	21.68	149	292067	47.12	ng/ul	96
83) Chrysene	21.86	228	98038	6.00	ng/ul	96
86) Benzo(b)fluoranthene	24.09	252	128782	7.57	ng/ul#	95

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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)
87) Benzo(k)fluoranthene	24.15	252	46474m	2.55	ng/ul	
89) Benzo(a)pyrene	24.98	252	87915	5.19	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.95	276	56784	2.83	ng/ul#	93
92) Benzo(g,h,i)perylene	30.14	276	49218m	2.97	ng/ul	

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

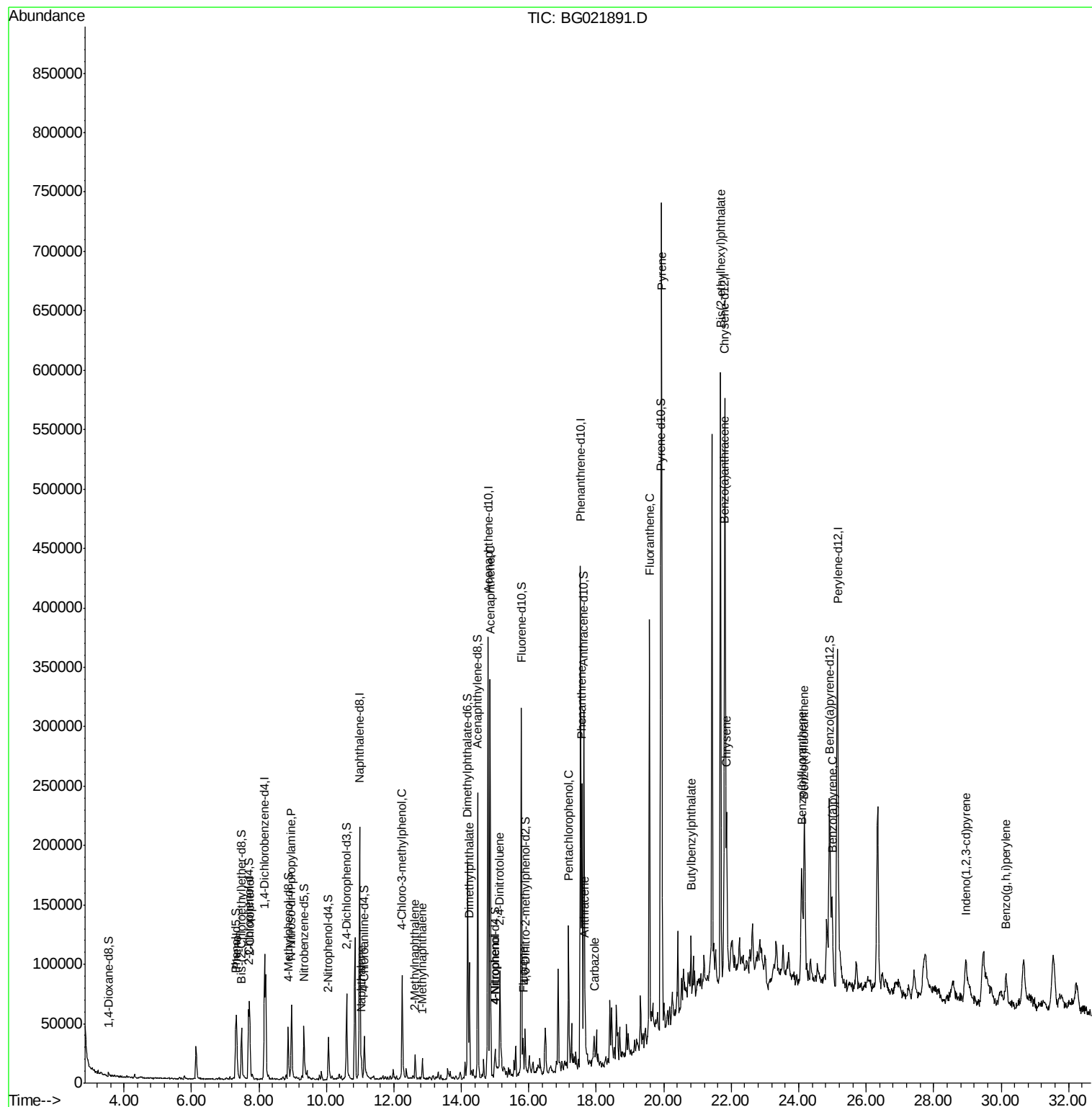
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021891.D
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Misc :
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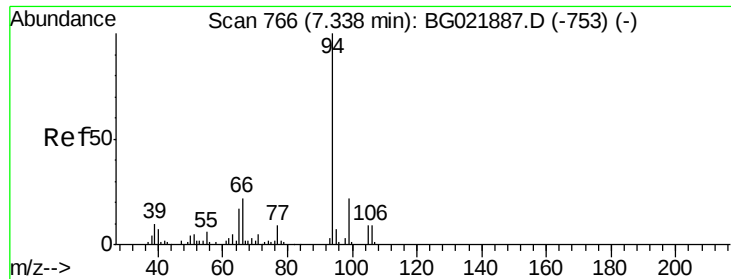
Instrument :
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#6

Phenol

Concen: 12.72 ng/ul

RT: 7.34 min Scan# 766

Delta R.T. 0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Instrument :

BNA_G

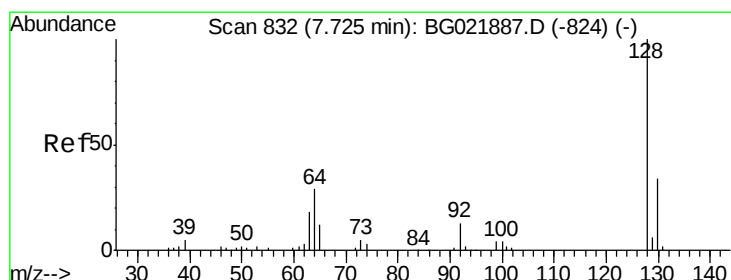
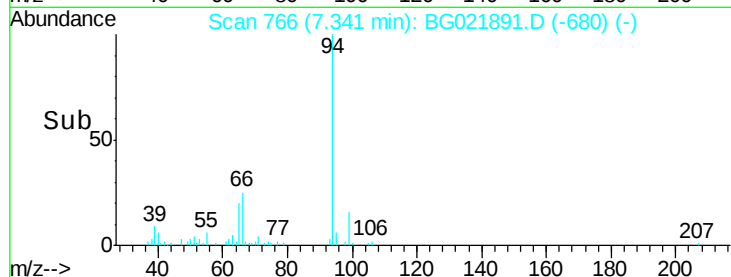
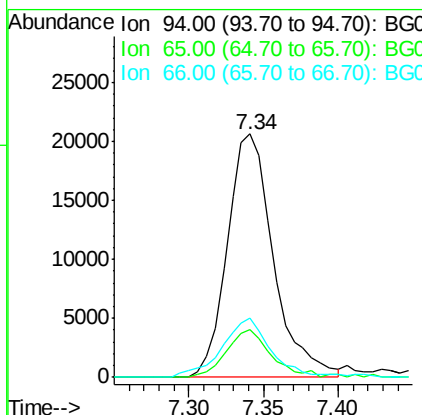
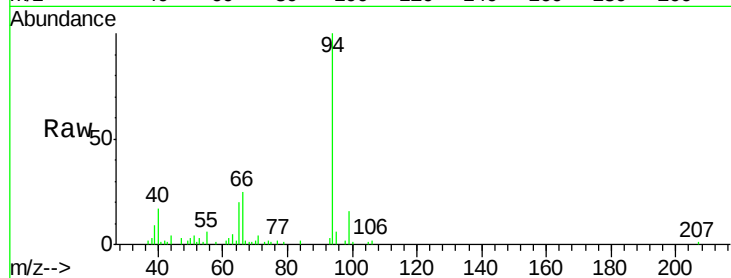
ClientSampleId :

D9XF7MSD

Tgt Ion:	94	Resp:	44335
Ion Ratio	Lower	Upper	
94	100		
65	19.7	26.1	39.1#
66	24.5	35.0	52.4#

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#10

2-Chlorophenol

Concen: 17.01 ng/ul

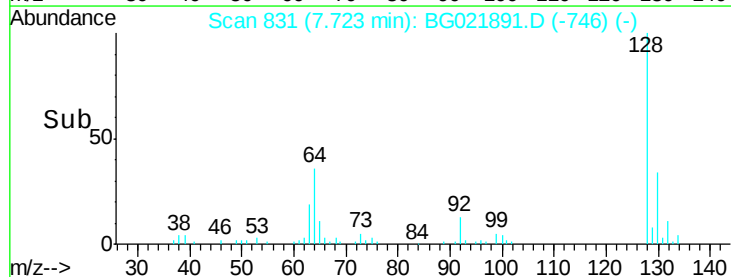
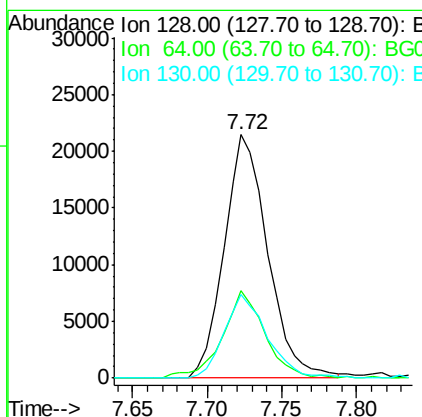
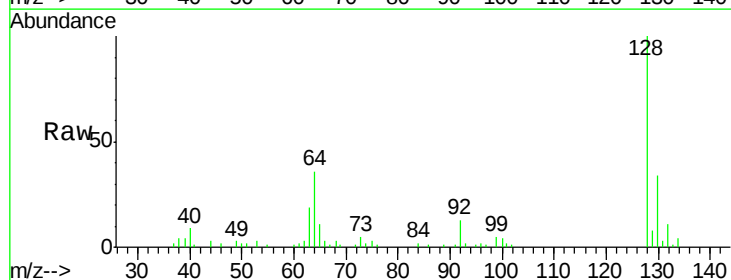
RT: 7.72 min Scan# 831

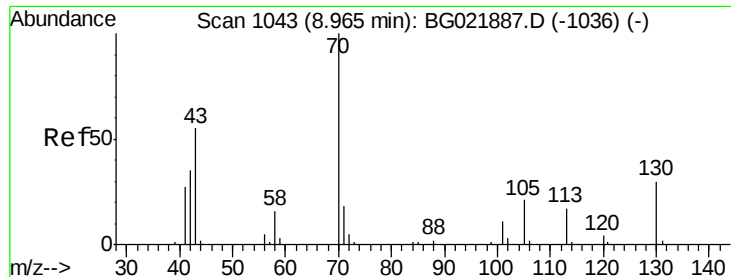
Delta R.T. -0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Tgt Ion:	128	Resp:	43599
Ion Ratio	Lower	Upper	
128	100		
64	35.7	47.0	70.6#
130	34.1	27.8	41.6





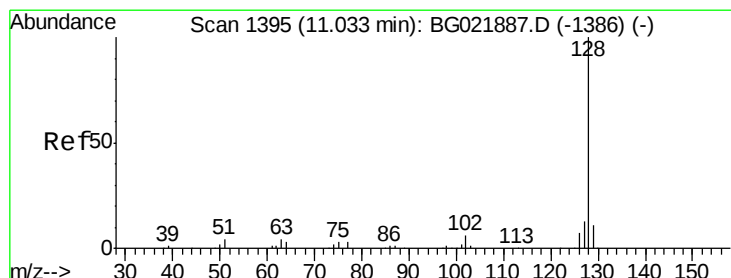
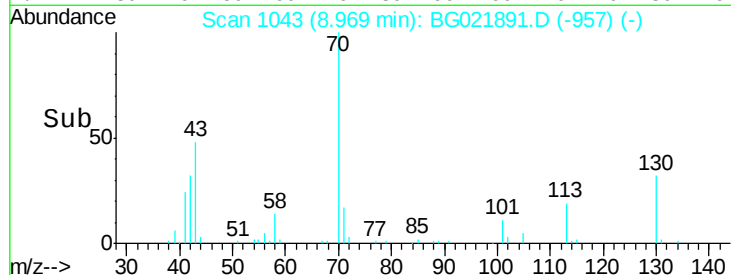
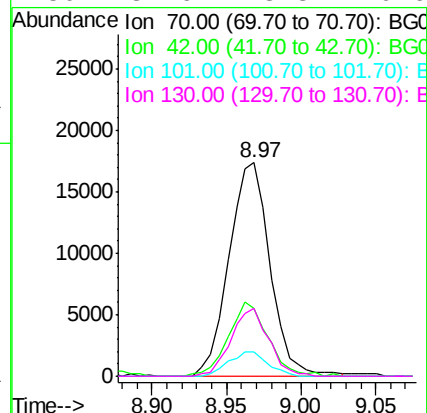
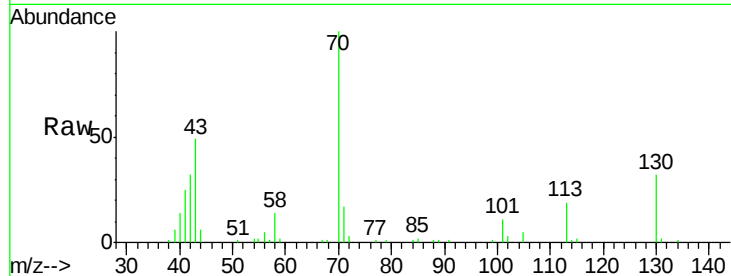
#15
N-Nitroso-di-n-propylamine
Concen: 16.23 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

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Tgt Ion	Ratio	Lower	Upper
70	100		
42	31.7	43.4	65.0#
101	11.4	6.5	9.7#
130	31.6	13.8	20.6#

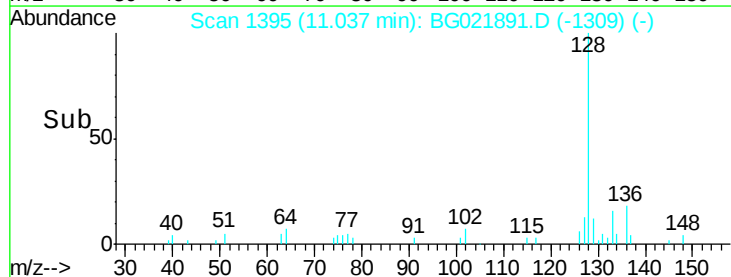
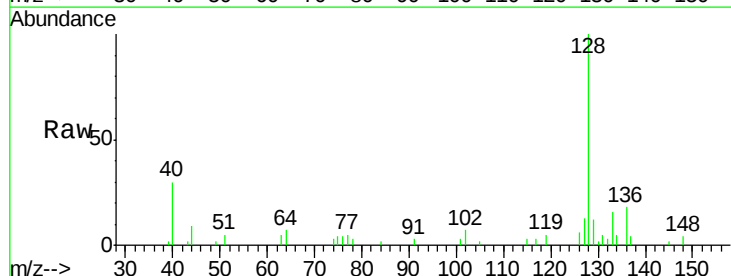
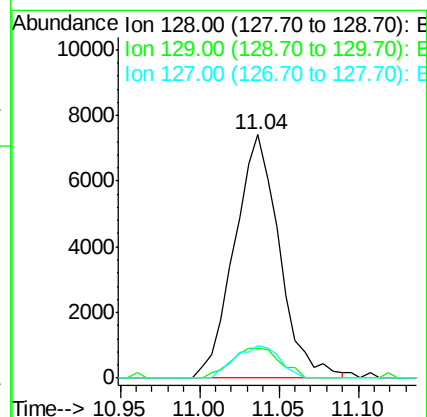
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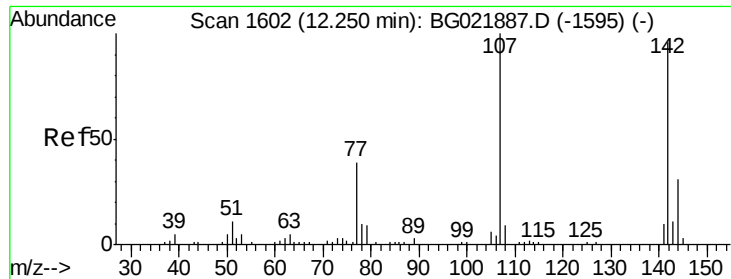
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#28
Naphthalene
Concen: 1.22 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.3	12.5
127	13.4	10.8	16.2





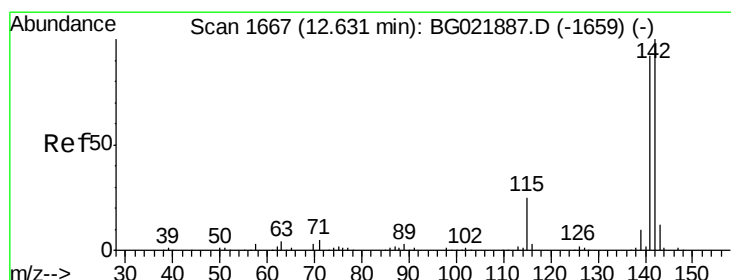
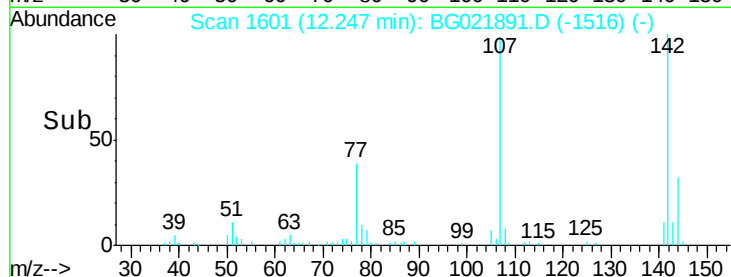
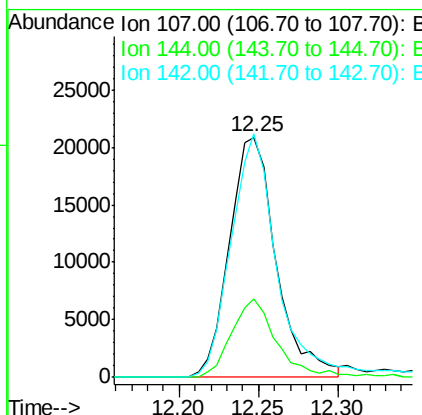
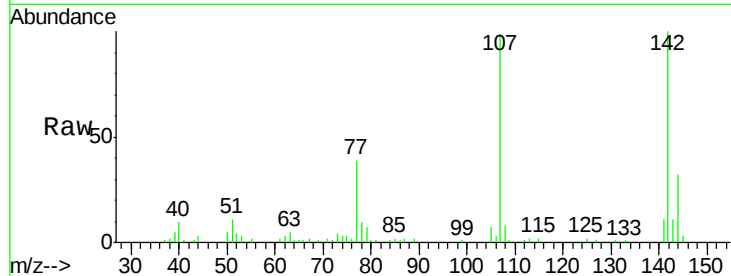
#33
 4-Chloro-3-methylphenol
 Concen: 14.77 ng/ul
 RT: 12.25 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Instrument :
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 ClientSampleId :
 D9XF7MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
144	32.5	17.2	25.8#
142	101.4	52.0	78.0#

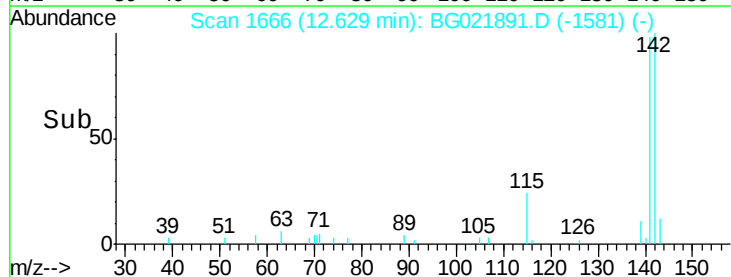
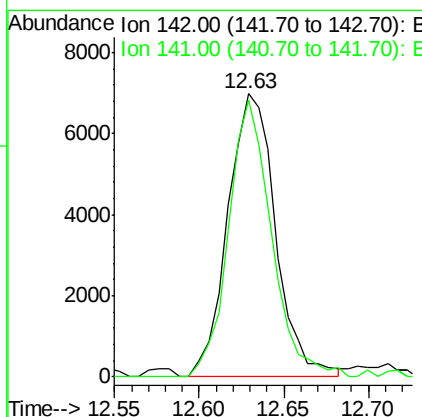
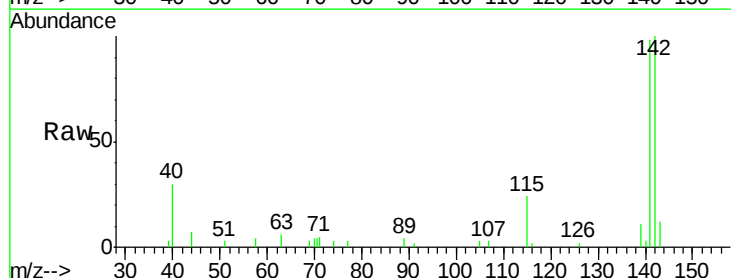
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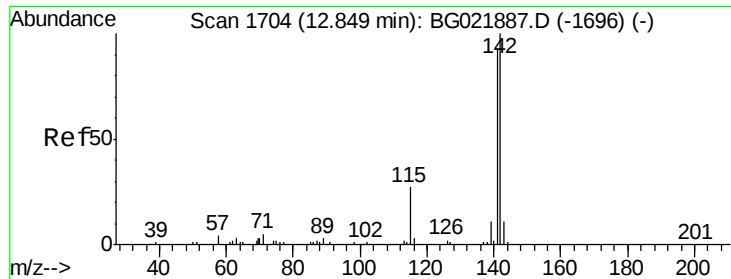
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#34
 2-Methylnaphthalene
 Concen: 1.55 ng/ul
 RT: 12.63 min Scan# 1666
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.0	71.3	106.9





#35

1-Methylnaphthalene

Concen: 1.29 ng/ul

RT: 12.85 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BG021891.D

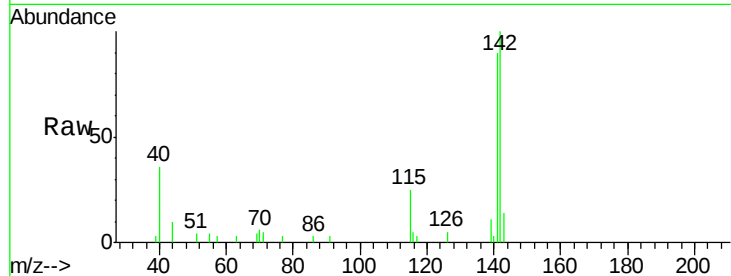
Acq: 15 May 2016 13:34

Instrument :

BNA_G

ClientSampleId :

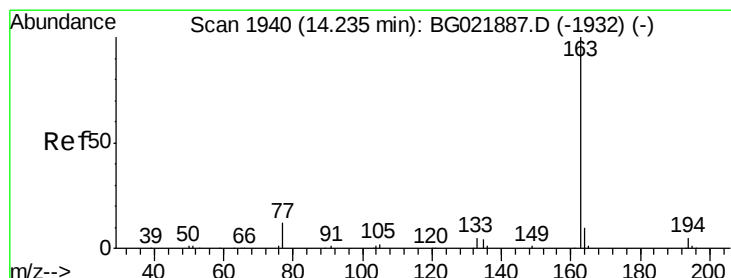
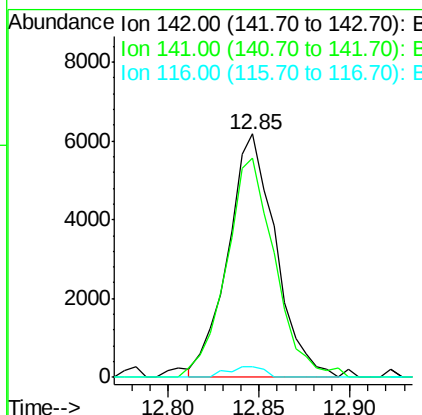
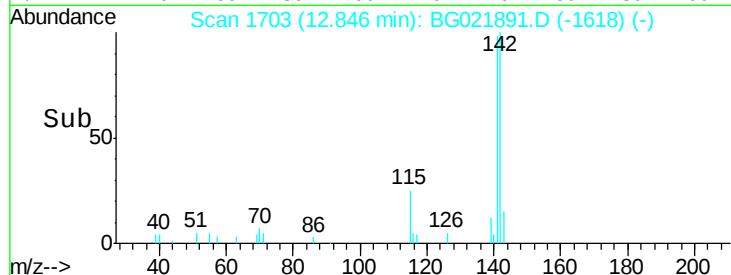
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Tgt Ion:	142	Resp:	11307
Ion Ratio	Lower	Upper	
142	100		
141	90.1	77.0	115.4
116	4.5	4.2	6.4

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#45

Dimethylphthalate

Concen: 7.79 ng/ul

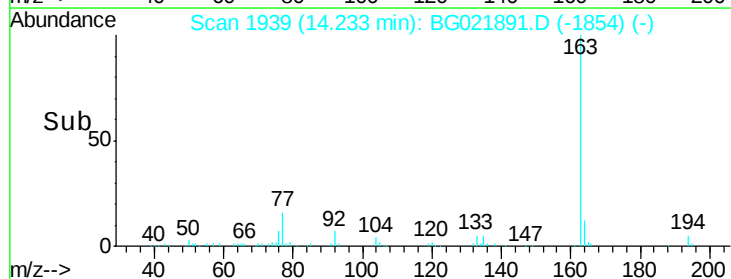
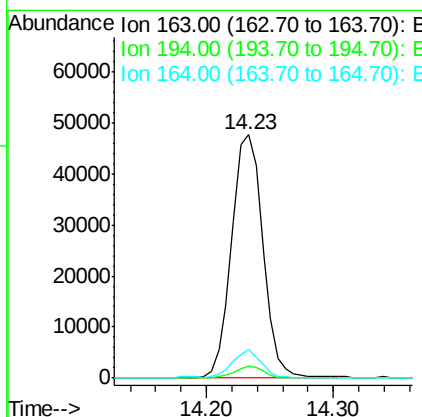
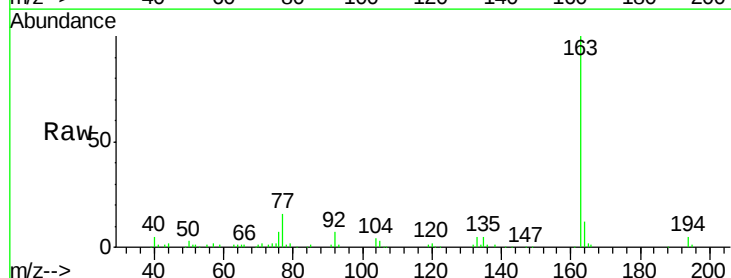
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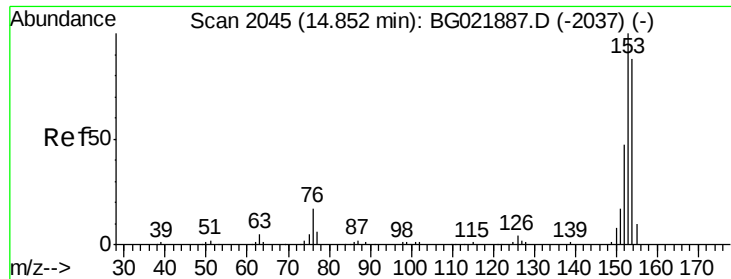
Delta R.T. -0.00 min

Lab File: BG021891.D

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Tgt Ion:	163	Resp:	81466
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.9	5.9
164	11.7	8.7	13.1





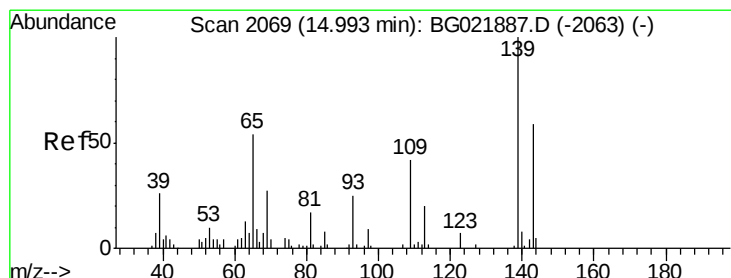
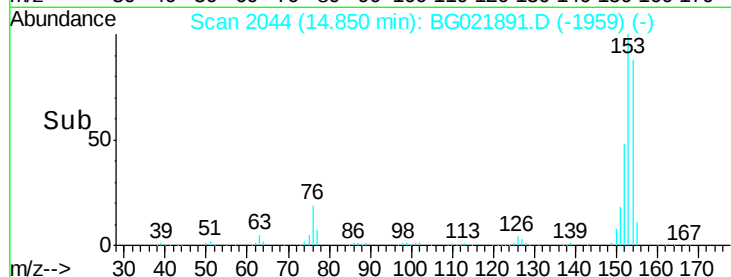
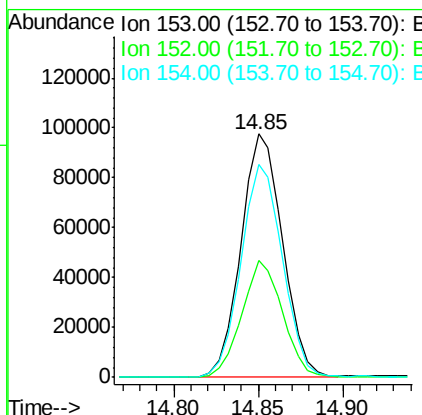
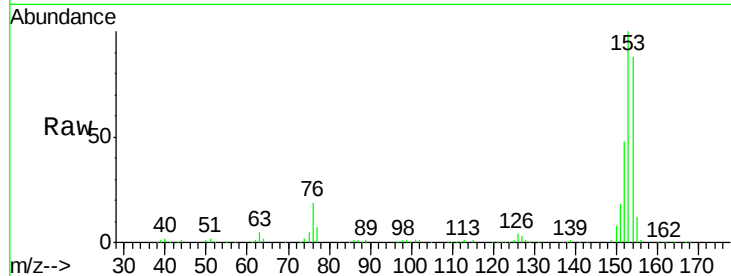
#50
Acenaphthene
Concen: 16.15 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

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Tgt Ion	Ratio	Resp	Lower	Upper
153	100	167506		
152	47.8	36.5	54.7	
154	87.6	67.3	100.9	

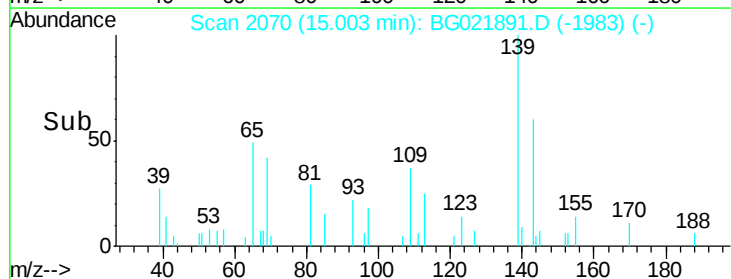
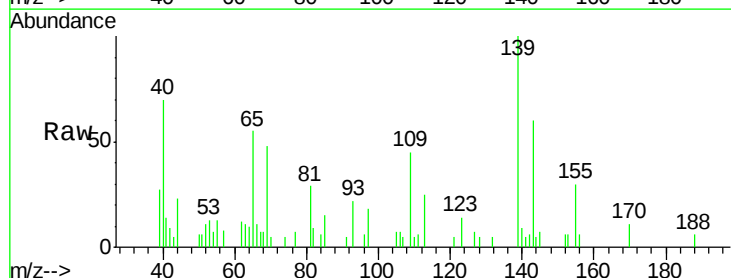
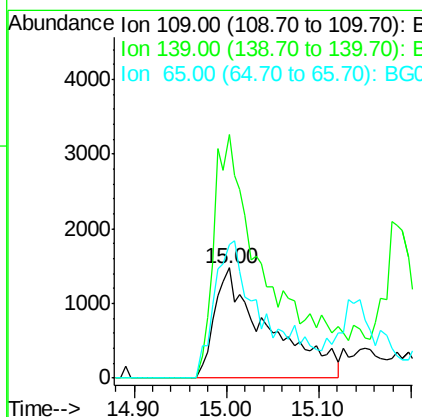
Manual Integrations
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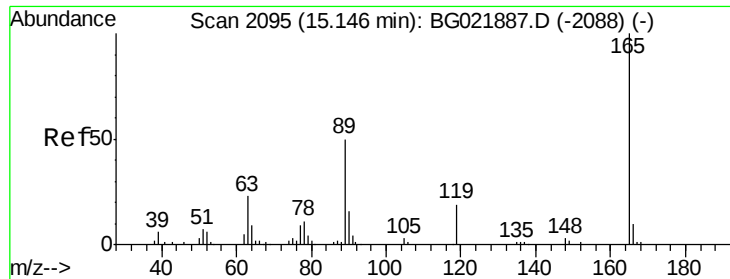
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#53
4-Nitrophenol
Concen: 7.41 ng/ul m
RT: 15.00 min Scan# 2070
Delta R.T. 0.01 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	5938		
139	220.5	75.9	113.9#	
65	121.4	99.8	149.8	





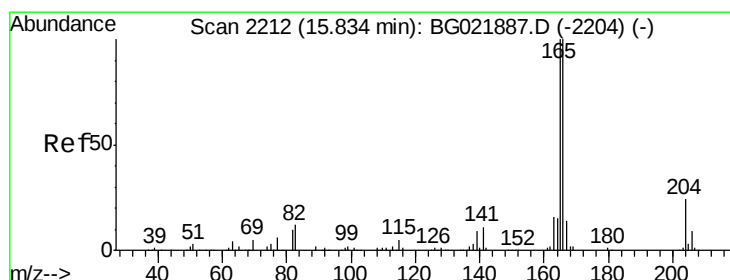
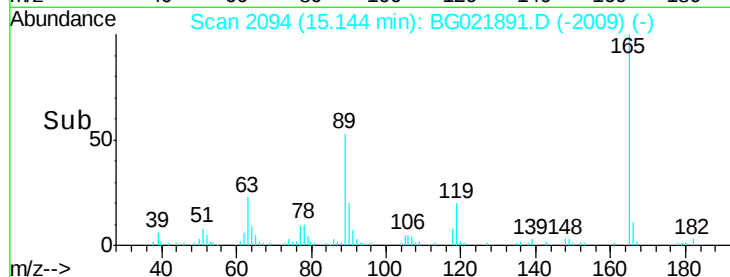
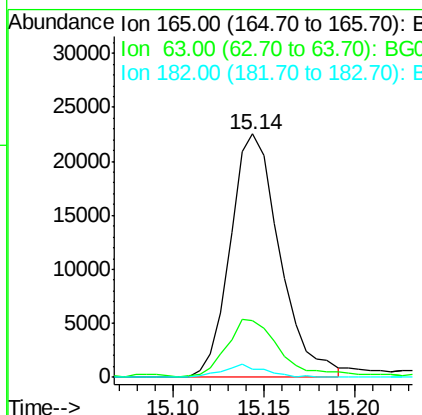
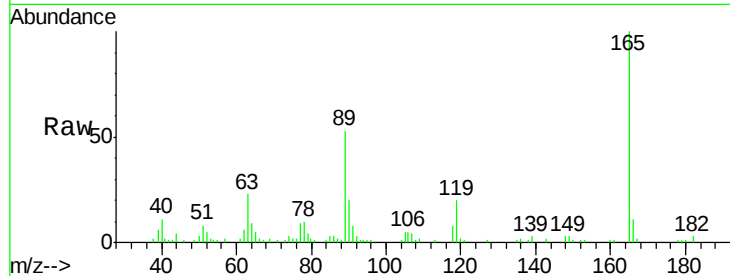
#55
 2,4-Dinitrotoluene
 Concen: 14.96 ng/ul
 RT: 15.14 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

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Tgt Ion	Ratio	Resp	Lower	Upper
165	100	42716		
63	23.3	48.1	72.1#	
182	3.4	2.2	3.2#	

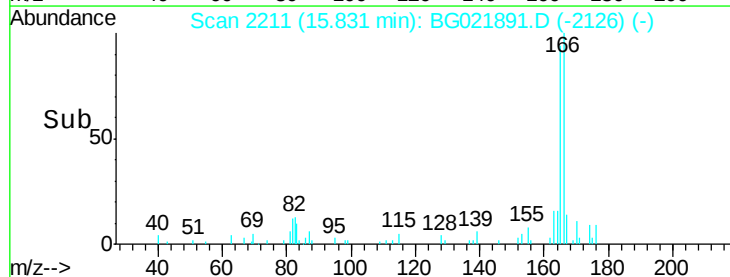
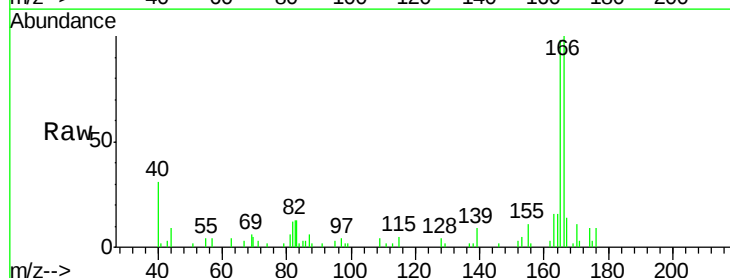
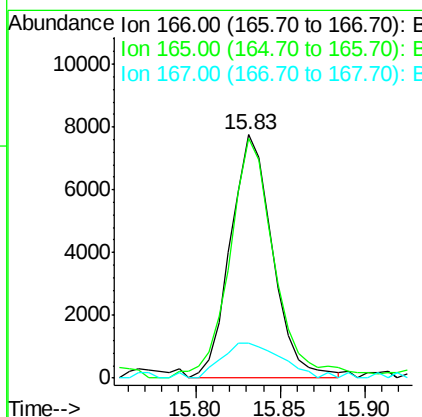
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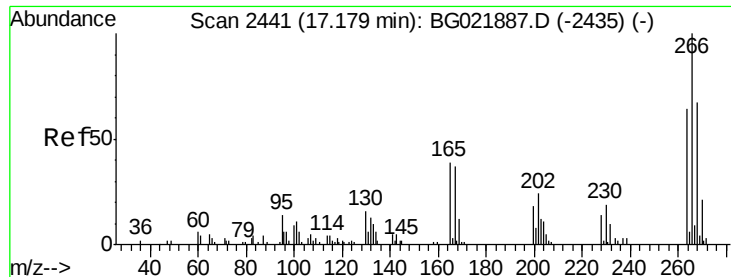
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#59
 Fluorene
 Concen: 1.12 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	13474		
165	98.2	81.1	121.7	
167	14.5	10.6	16.0	





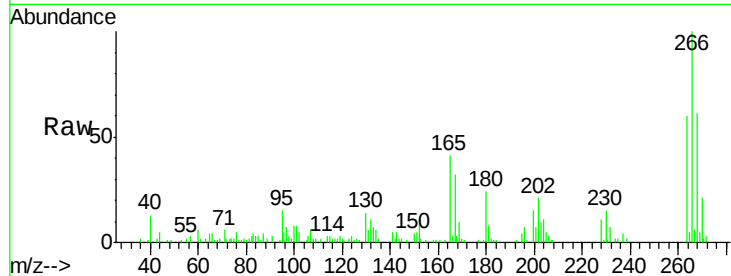
#69
 Pentachlorophenol
 Concen: 20.77 ng/ul
 RT: 17.18 min Scan# 2441
 Delta R.T. 0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XF7MSD

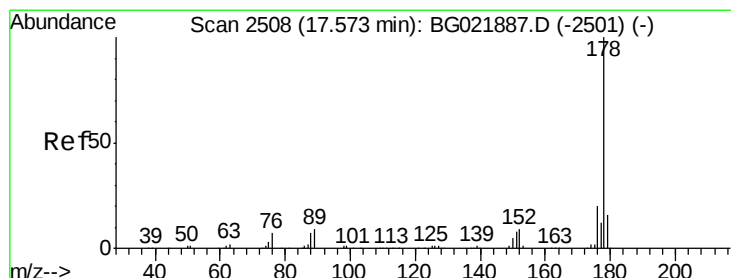
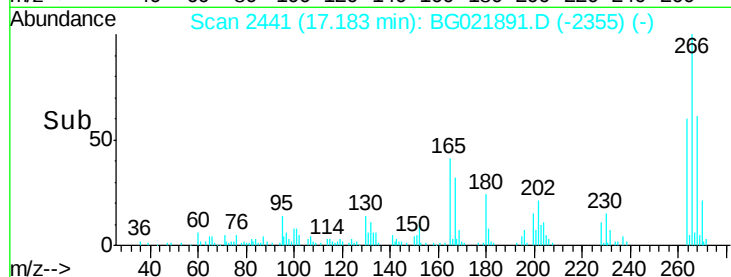
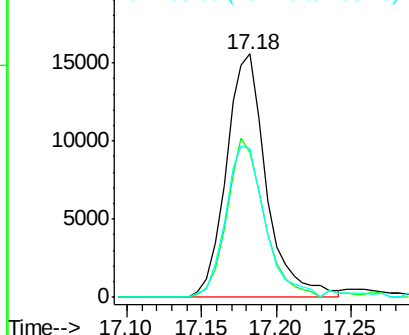
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	29173		
264	64.6	56.7	85.1	
268	66.6	50.6	76.0	

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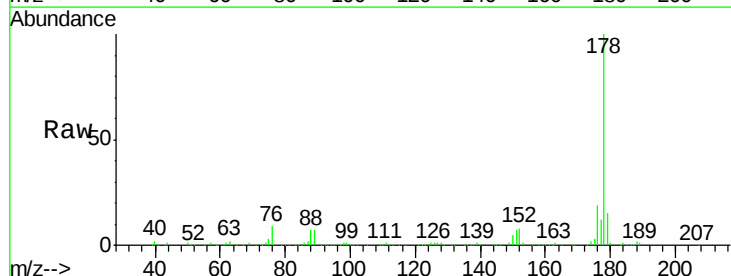


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

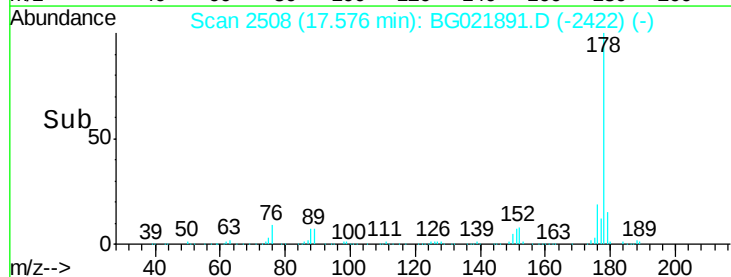
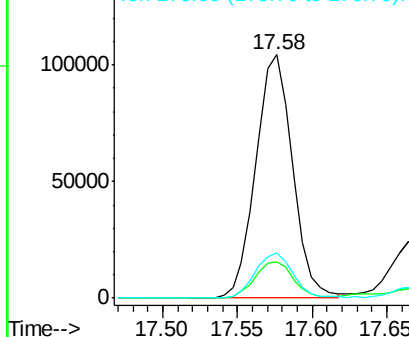


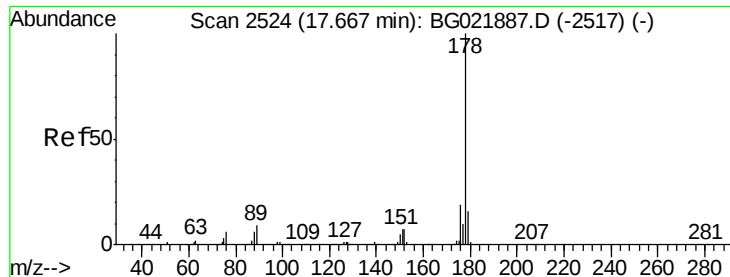
#70
 Phenanthrene
 Concen: 10.67 ng/ul
 RT: 17.58 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	177807		
179	15.0	11.8	17.8	
176	18.6	14.8	22.2	



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





#72

Anthracene

Concen: 2.47 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Instrument :

BNA_G

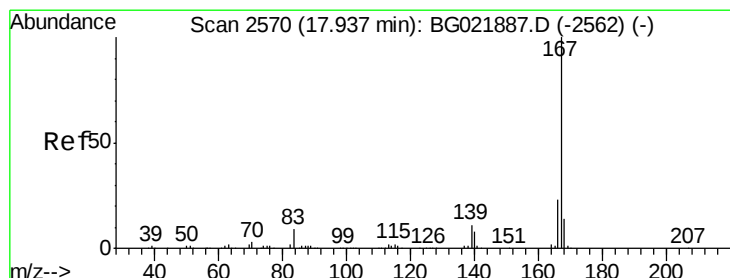
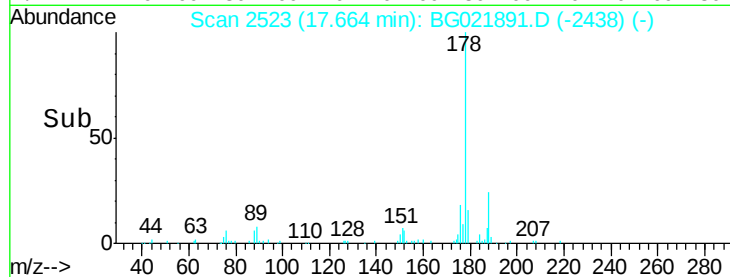
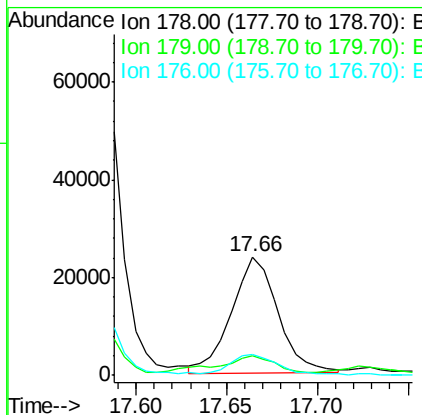
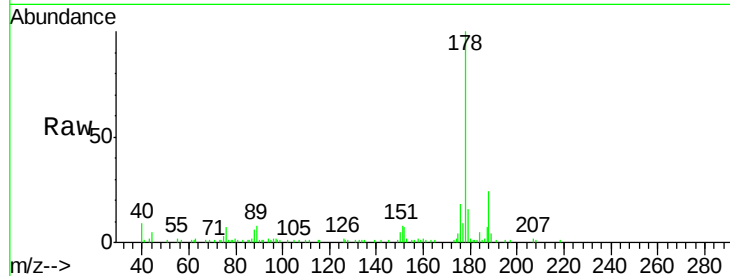
ClientSampleId :

D9XF7MSD

Tgt Ion:	178	Resp:	41761
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.9	19.3
176	17.7	15.6	23.4

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#73

Carbazole

Concen: 1.29 ng/ul m

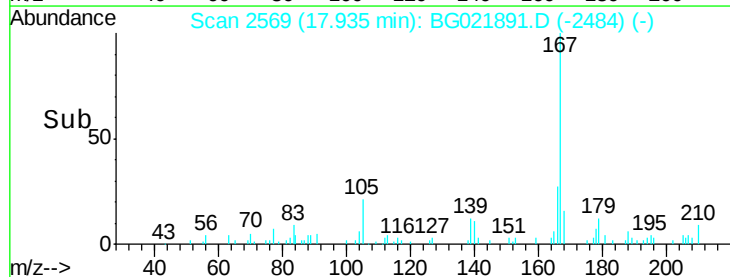
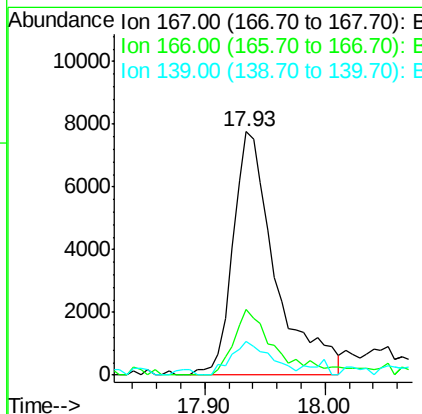
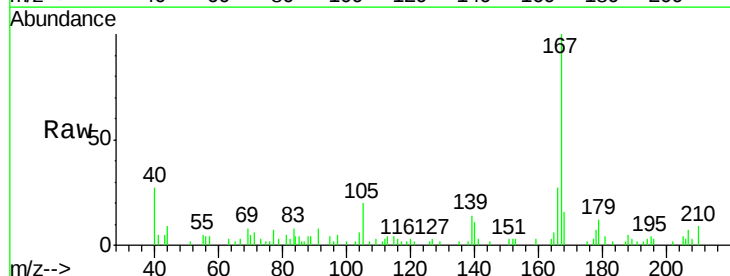
RT: 17.93 min Scan# 2569

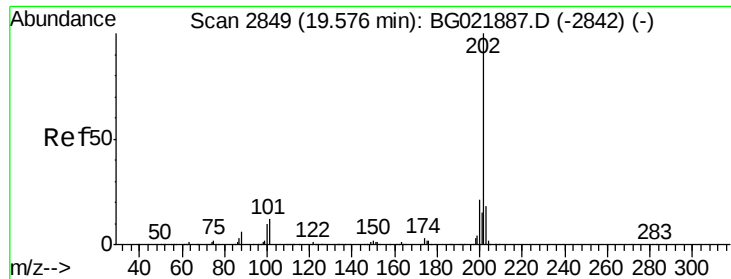
Delta R.T. -0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Tgt Ion:	167	Resp:	18978
Ion Ratio	Lower	Upper	
167	100		
166	26.9	19.0	28.4
139	13.8	12.2	18.4





#75

Fluoranthene

Concen: 12.38 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Instrument :

BNA_G

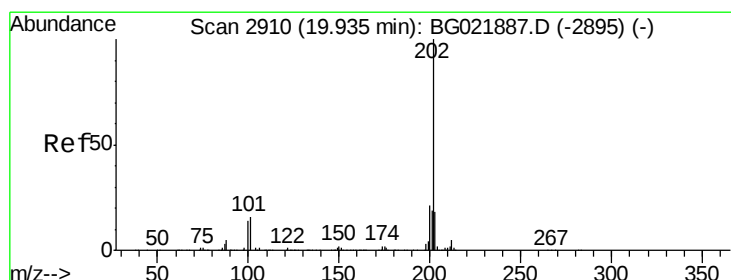
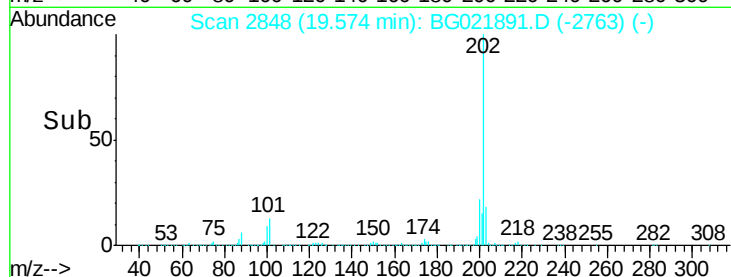
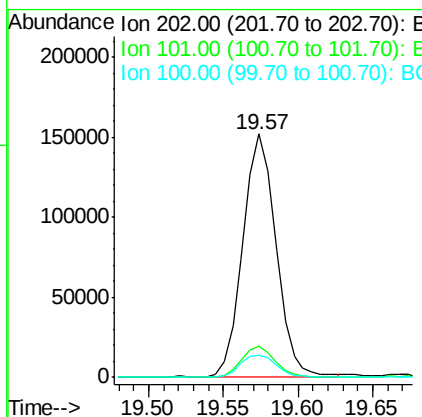
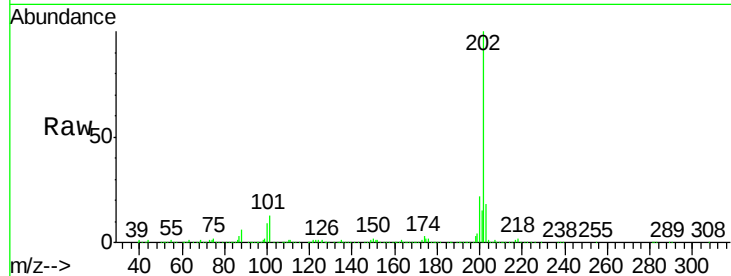
ClientSampleId :

D9XF7MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		234321		
101	12.9	8.9	13.3		
100	9.3	7.0	10.4		

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#78

Pyrene

Concen: 28.17 ng/ul m

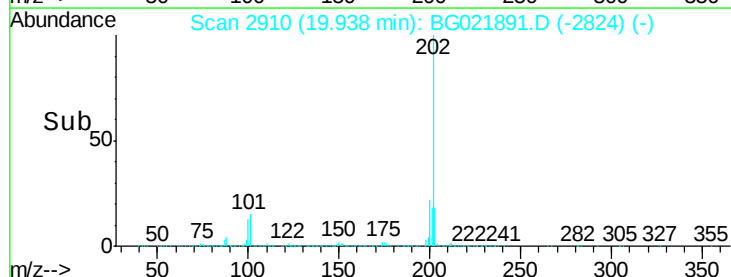
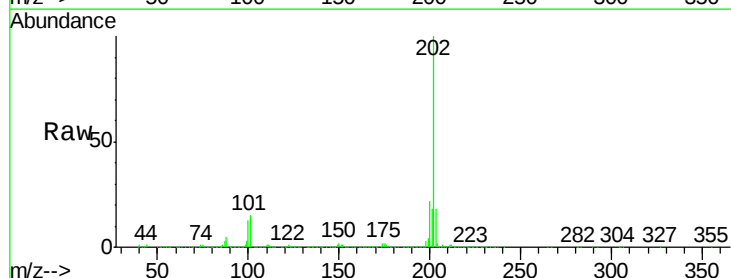
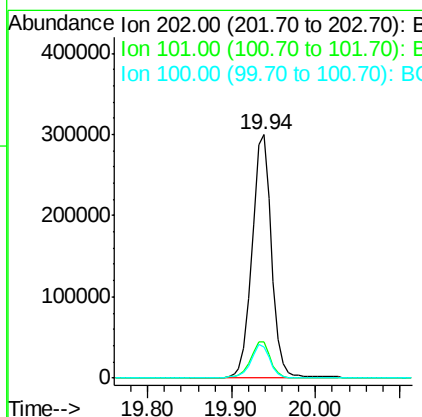
RT: 19.94 min Scan# 2910

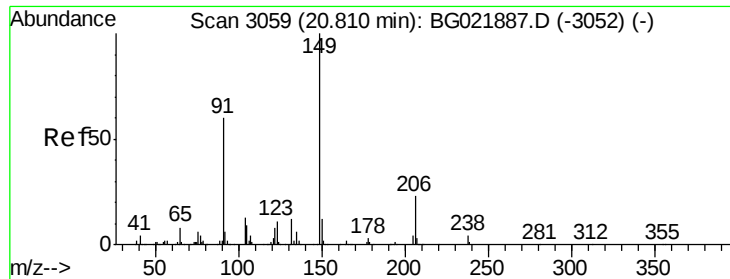
Delta R.T. 0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		483870		
101	15.0	9.8	14.8#		
100	13.0	9.3	13.9		





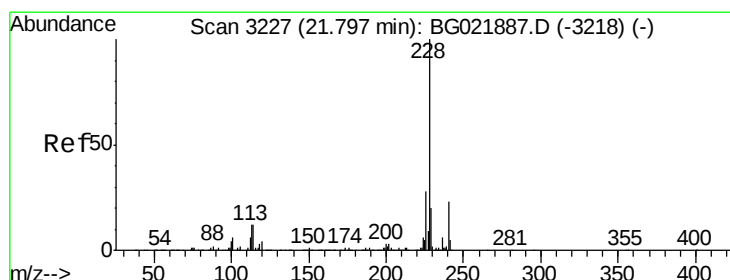
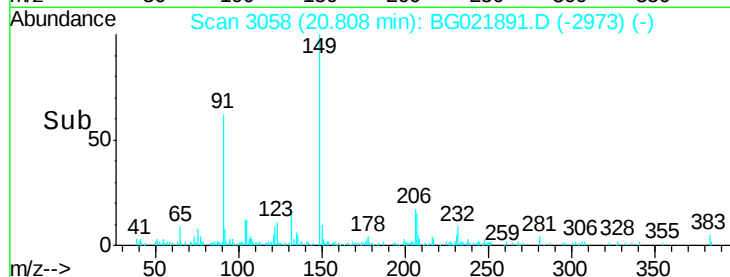
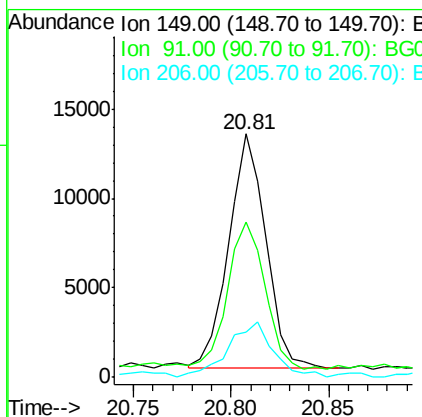
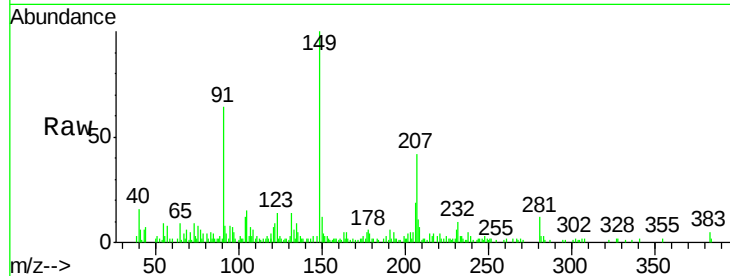
#79
Butylbenzylphthalate
Concen: 4.56 ng/ul
RT: 20.81 min Scan# 3058
Delta R.T. -0.00 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Instrument :
BNA_G
ClientSampleId :
D9XF7MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.7	65.8	98.8#
206	18.7	15.5	23.3

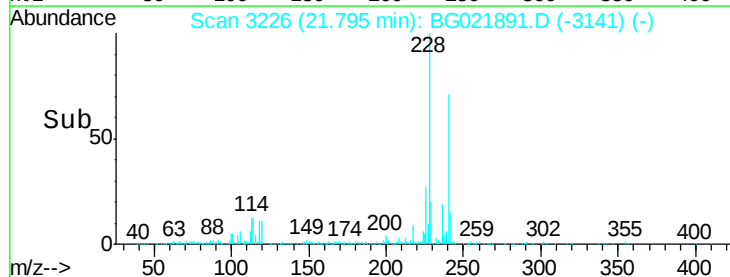
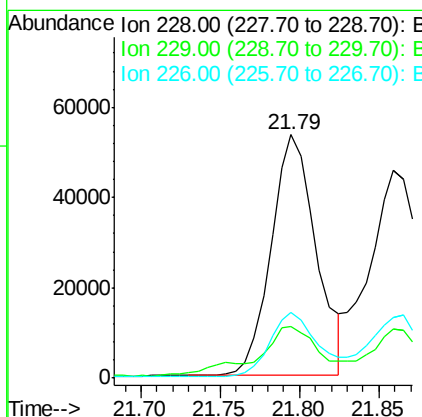
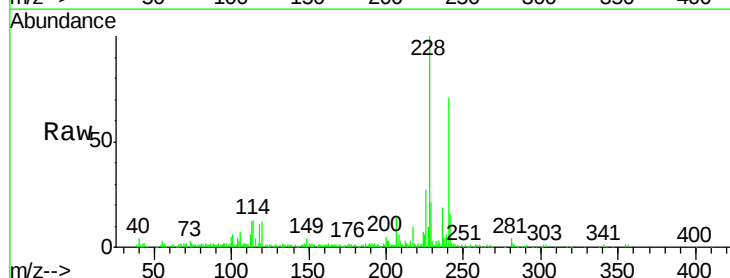
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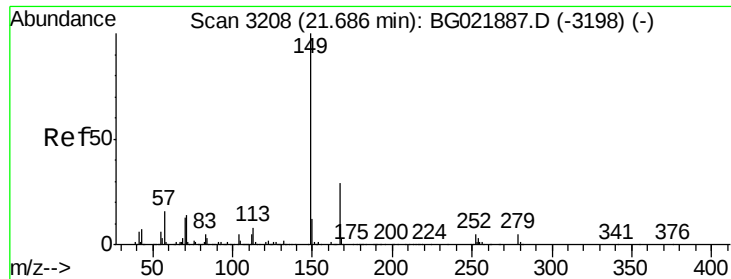
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#81
Benzo(a)anthracene
Concen: 6.36 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. -0.00 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	27.1	21.0	31.4





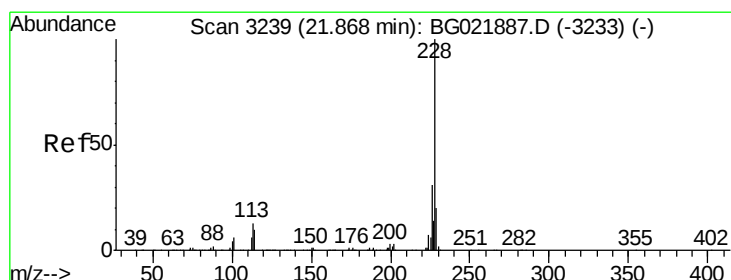
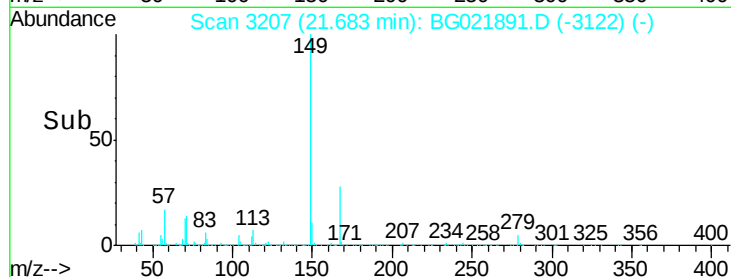
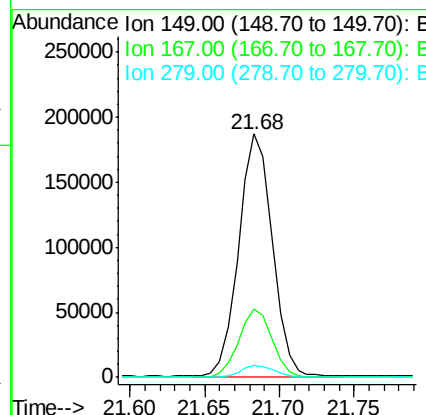
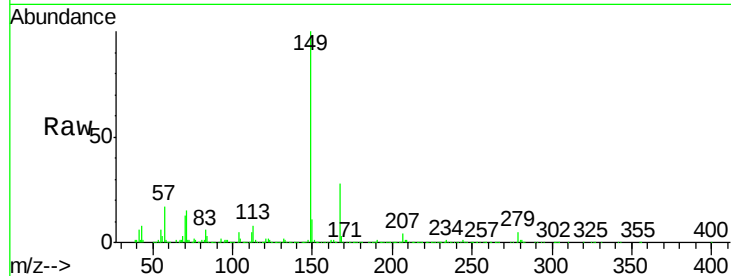
#82
 Bis(2-ethylhexyl)phthalate
 Concen: 47.12 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XF7MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	28.1	20.5	30.7
279	5.0	3.7	5.5

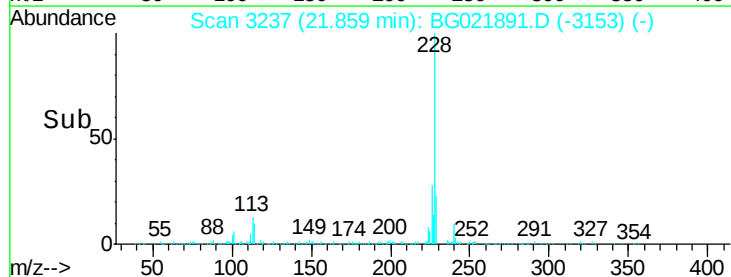
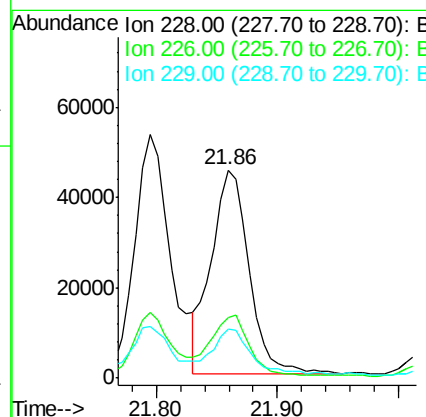
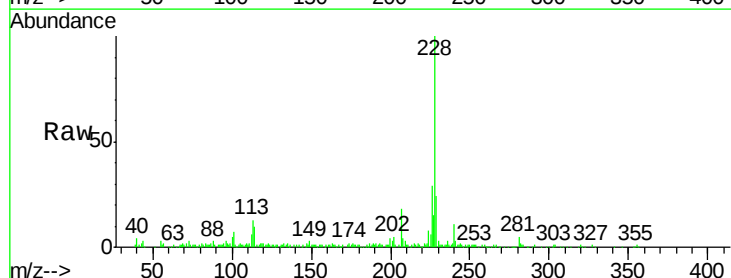
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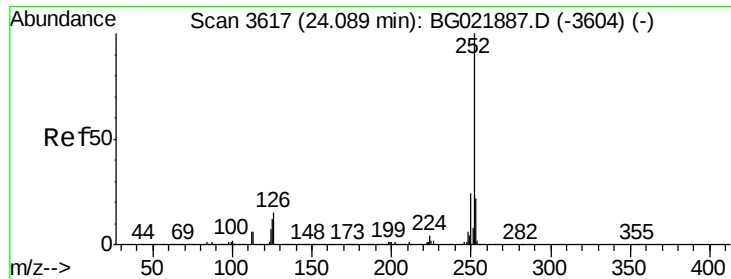
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#83
 Chrysene
 Concen: 6.00 ng/ul
 RT: 21.86 min Scan# 3237
 Delta R.T. -0.01 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.0	23.4	35.2
229	23.8	16.2	24.2





#86

Benzo(b)fluoranthene

Concen: 7.57 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BG021891.D

Acq: 15 May 2016 13:34

Instrument :

BNA_G

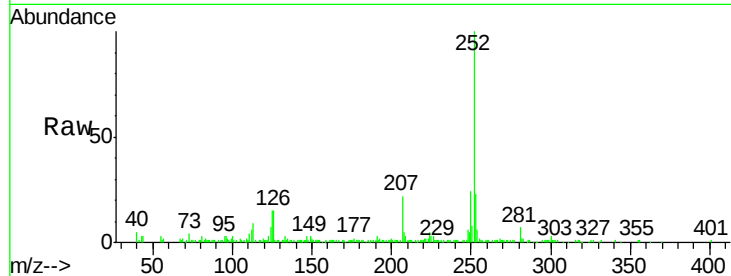
ClientSampleId :

D9XF7MSD

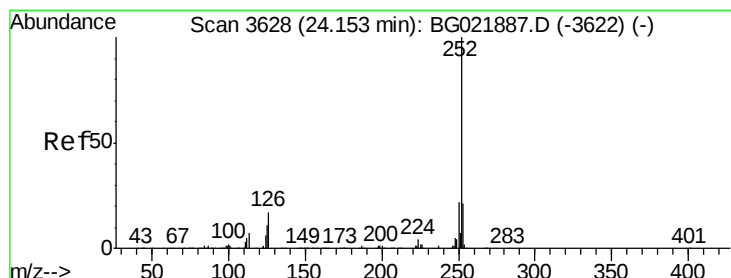
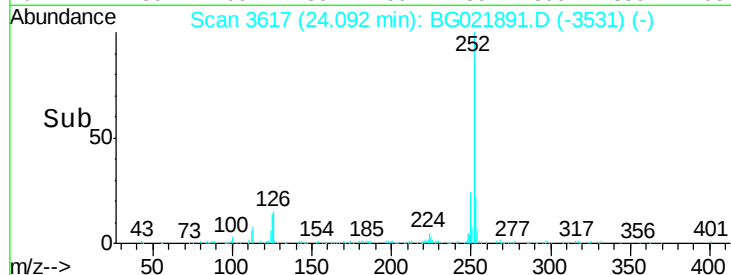
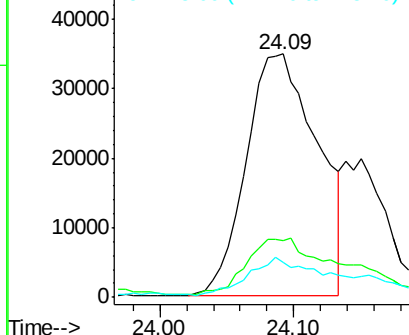
Tgt Ion:	252	Resp:	128782
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	14.6	7.6	11.4#

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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



#87

Benzo(k)fluoranthene

Concen: 2.55 ng/ul m

RT: 24.15 min Scan# 3627

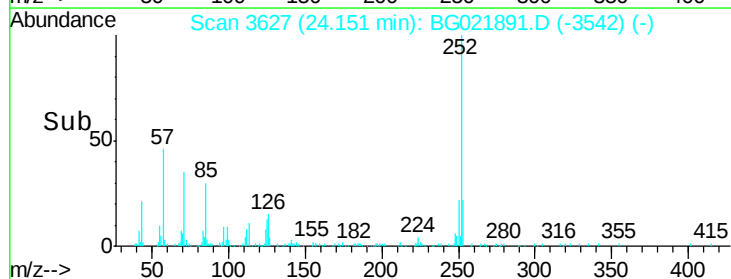
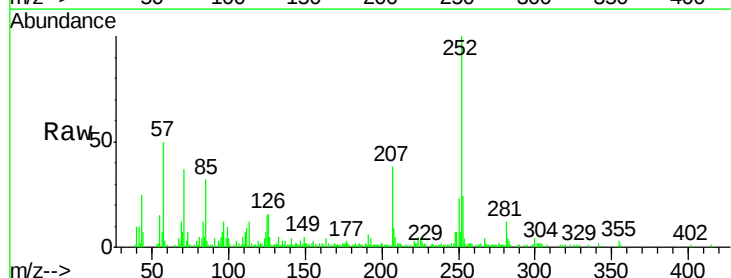
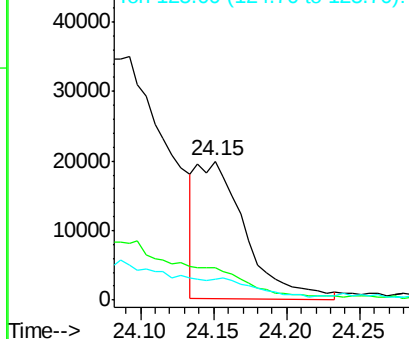
Delta R.T. -0.00 min

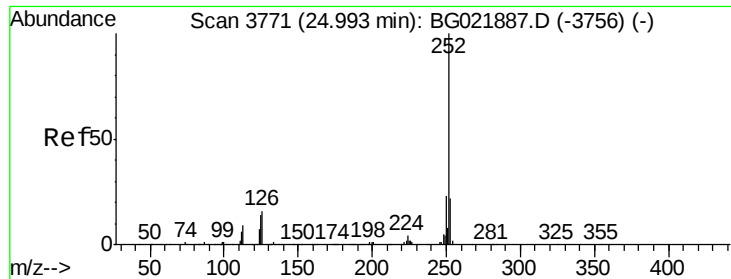
Lab File: BG021891.D

Acq: 15 May 2016 13:34

Tgt Ion:	252	Resp:	46474
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.8
125	14.9	7.7	11.5#

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





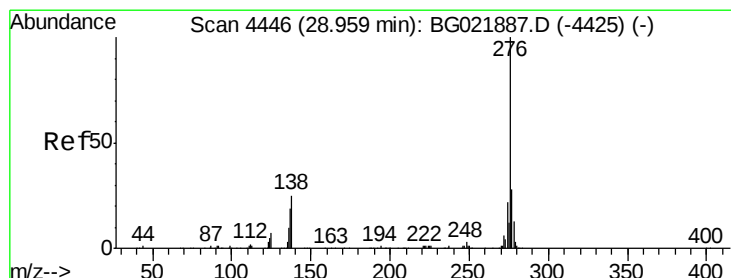
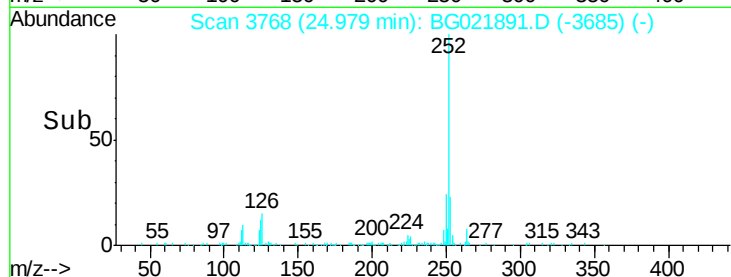
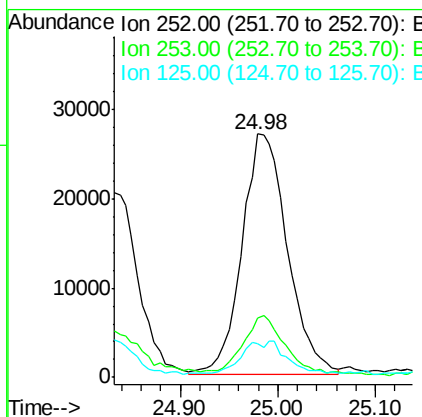
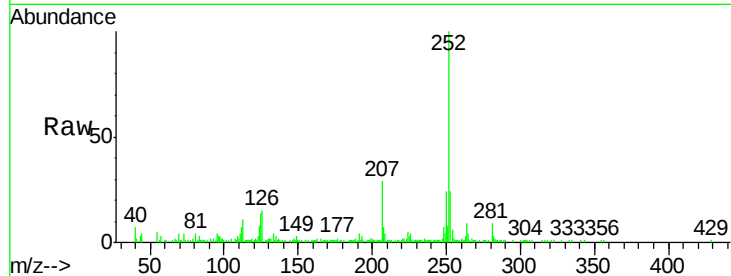
#89
Benzo(a)pyrene
Concen: 5.19 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Instrument :
BNA_G
ClientSampleId :
D9XF7MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.4	17.4	26.0
125	14.0	8.2	12.2

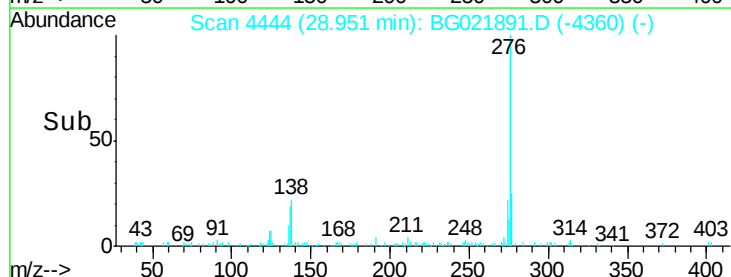
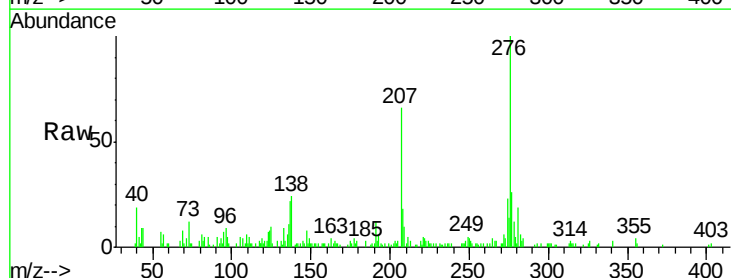
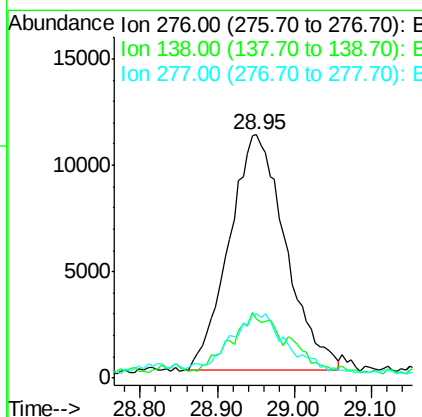
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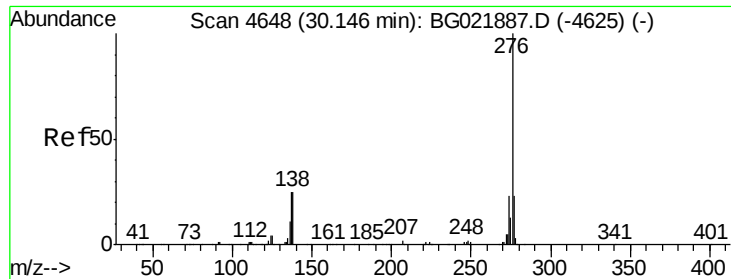
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#90
Indeno(1,2,3-cd)pyrene
Concen: 2.83 ng/ul
RT: 28.95 min Scan# 4444
Delta R.T. -0.01 min
Lab File: BG021891.D
Acq: 15 May 2016 13:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.2	15.8	23.6
277	26.2	19.0	28.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.97 ng/ul m
 RT: 30.14 min Scan# 4647
 Delta R.T. -0.00 min
 Lab File: BG021891.D
 Acq: 15 May 2016 13:34

Instrument :
 BNA_G
 ClientSampleId :
 D9XF7MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	13.9	20.9#
277	28.5	19.8	29.6

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