

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081115\
 Data File : BG018379.D
 Acq On : 11 Aug 2015 13:35
 Operator : UM/MA
 Sample : G3109-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 3:52:36 PM

Quant Time: Aug 14 03:07:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	130117	20.00	ng/ul	0.00
18) Naphthalene-d8	10.84	136	544110	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	301577	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	635303	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	475668	20.00	ng/ul	0.02
86) Perylene-d12	24.99	264	487138	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	3585	1.22	ng/uL	0.00
5) Phenol-d5	7.20	99	81531	6.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	55323	7.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	67781	7.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	70816	7.14	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	35524	8.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	33648	7.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	74403	8.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	46375	4.48	ng/ul	0.00
44) Dimethylphthalate-d6	14.06	166	216494	8.53	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	288662	9.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	19991	4.38	ng/ul	0.00
58) Fluorene-d10	15.65	176	187270	8.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	4559	1.46	ng/ul	0.00
71) Anthracene-d10	17.51	188	260544	8.57	ng/ul	0.00
79) Pyrene-d10	19.81	212	242266	9.82	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	242038	9.36	ng/ul	0.08

Target Compounds

						Qvalue
11) 2-Methylphenol	8.48	108	9961	1.07	ng/ul	93
16) 4-Methylphenol	8.80	108	44424	4.36	ng/ul	92
24) 2,4-Dimethylphenol	10.01	107	114675	10.67	ng/ul	97
28) Naphthalene	10.89	128	354089	12.31	ng/ul	99
34) 2-Methylnaphthalene	12.50	142	165776	7.96	ng/ul	90
41) 1,1'-Biphenyl	13.49	154	87576	3.48	ng/ul	93
45) Dimethylphthalate	14.11	163	135838	5.43	ng/ul#	94
50) Acenaphthene	14.73	153	199611	8.88	ng/ul	97
54) Dibenzofuran	15.06	168	173696	5.91	ng/ul	96
59) Fluorene	15.71	166	221874	8.78	ng/ul	98
70) Phenanthrene	17.45	178	1314305	38.13	ng/ul	97
72) Anthracene	17.55	178	359525	10.24	ng/ul	98
75) Carbazole	17.81	167	152521	4.95	ng/ul#	87
77) Fluoranthene	19.48	202	1608187	43.68	ng/ul	98
80) Pyrene	19.84	202	1390922	43.25	ng/ul	97
83) Benzo(a)anthracene	21.68	228	575259	19.51	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.60	149	3589423	186.73	ng/ul#	55
85) Chrysene	21.74	228	575076m	20.85	ng/ul	
88) Benzo(b)fluoranthene	23.94	252	715199	23.37	ng/ul#	51
89) Benzo(k)fluoranthene	24.01	252	221048m	7.50	ng/ul	
91) Benzo(a)pyrene	24.83	252	477057	16.39	ng/ul#	48
92) Indeno(1,2,3-cd)pyrene	28.74	276	267459m	7.94	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	234031m	8.28	ng/ul	

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ClientSampleId :
C01P8

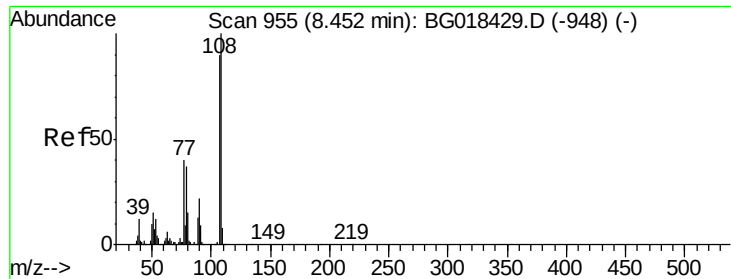
Manual Integrations
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Quant Time: Aug 14 03:07:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 00:54:17 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



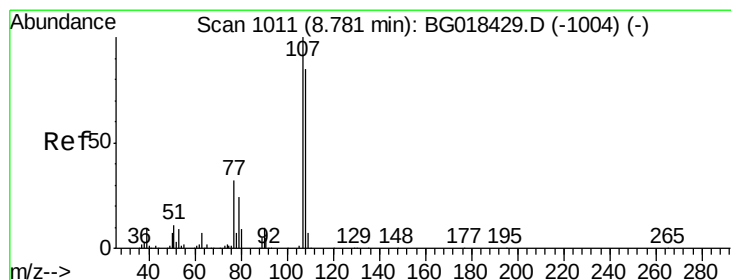
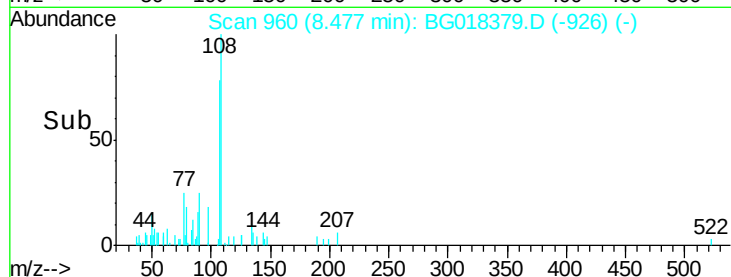
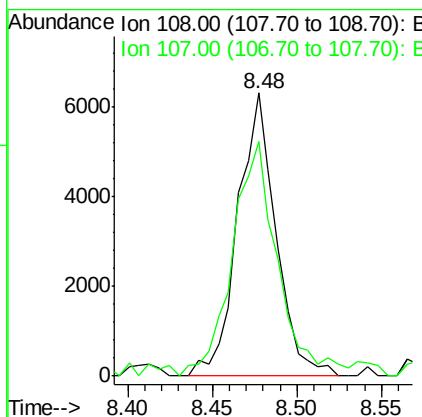
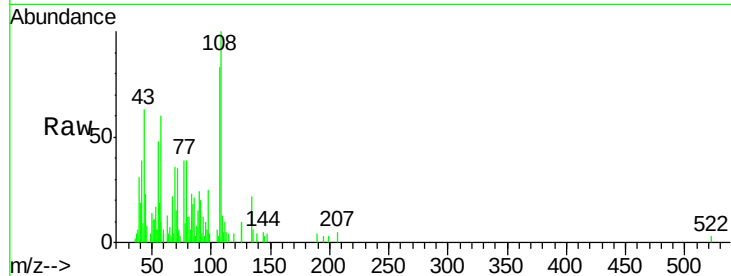
#11
2-Methylphenol
Concen: 1.07 ng/ul
RT: 8.48 min Scan# 960
Delta R.T. -0.00 min
Lab File: BG018379.D
Acq: 11 Aug 2015 13:35

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Lower	Upper
108	100		
107	83.1	72.1	108.1

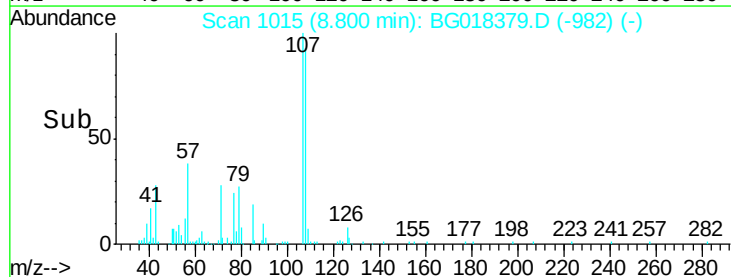
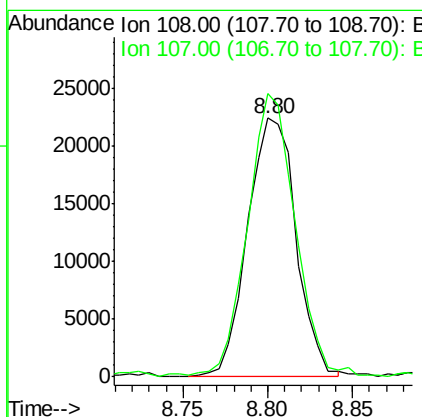
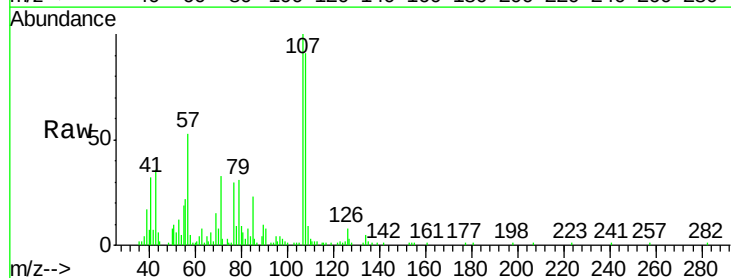
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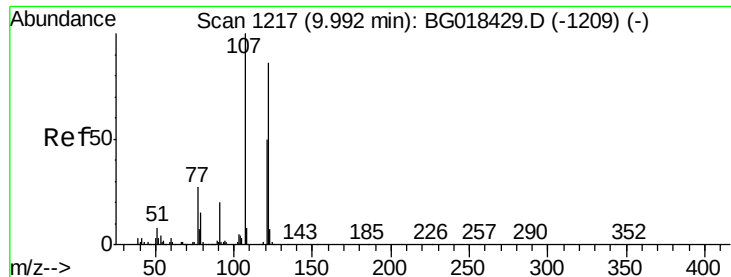
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#16
4-Methylphenol
Concen: 4.36 ng/ul
RT: 8.80 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG018379.D
Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Lower	Upper
108	100		
107	109.4	94.6	142.0





#24

2,4-Dimethylphenol

Concen: 10.67 ng/ul

RT: 10.01 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BG018379.D

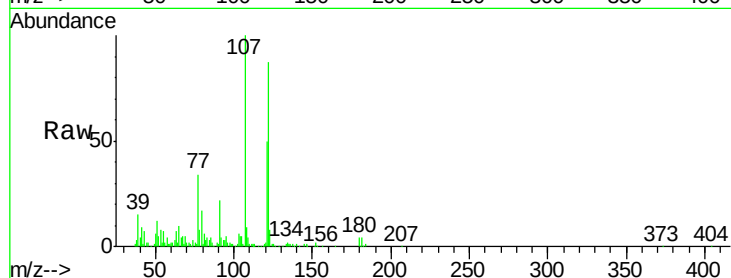
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Instrument :

BNA_G

ClientSampleId :

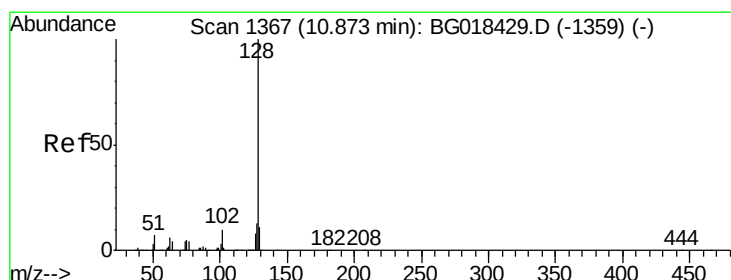
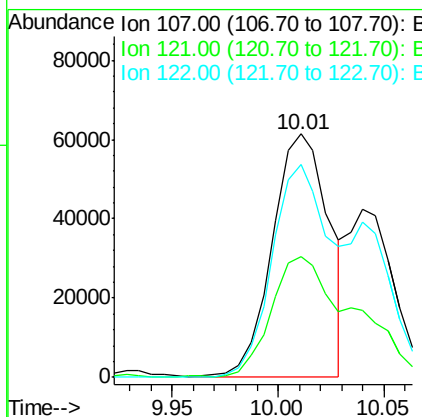
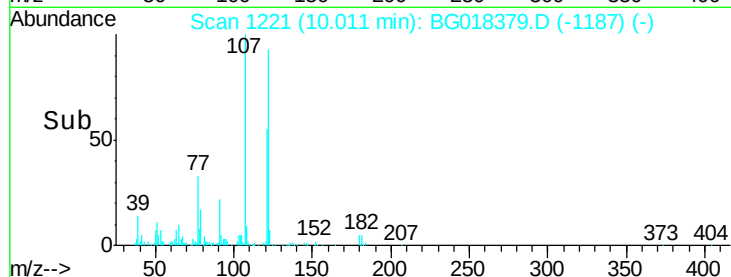
C01P8



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	114675		
121	49.7	41.3	61.9	
122	87.2	71.9	107.9	

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#28

Naphthalene

Concen: 12.31 ng/ul

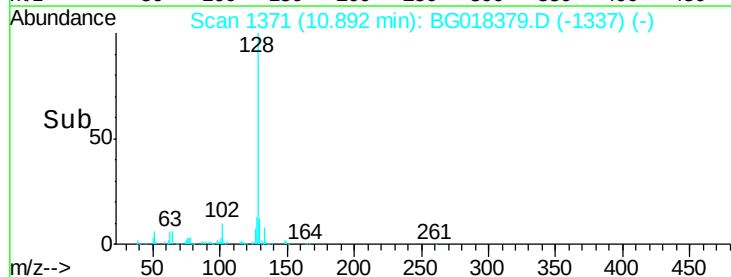
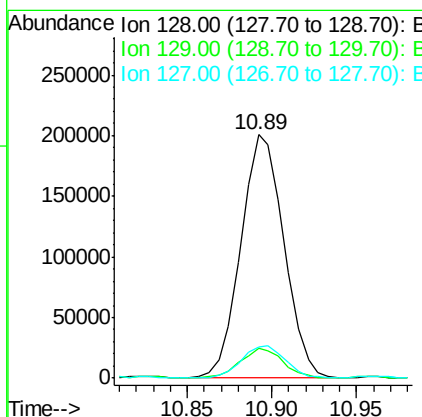
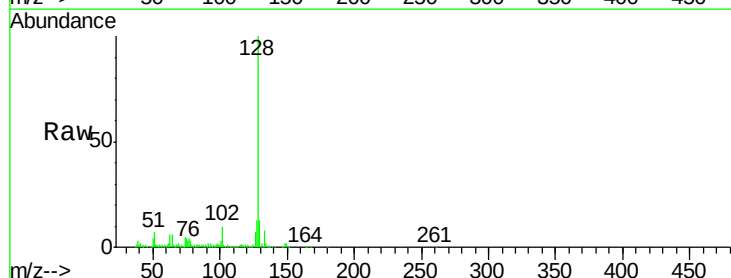
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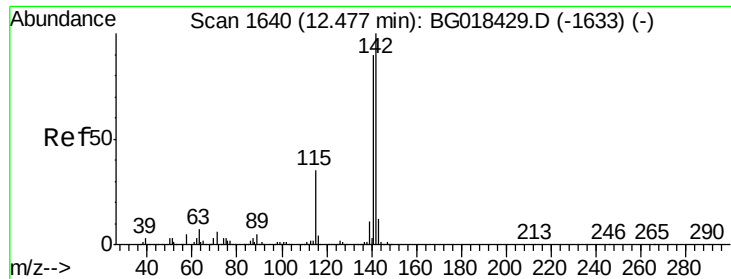
Delta R.T. -0.00 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	354089		
129	12.5	9.6	14.4	
127	12.7	10.5	15.7	





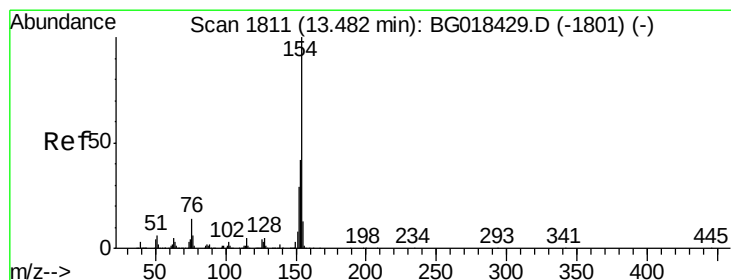
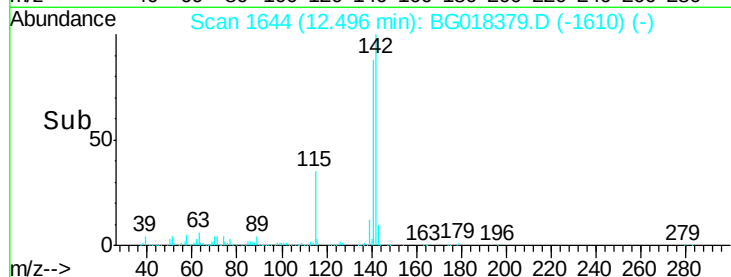
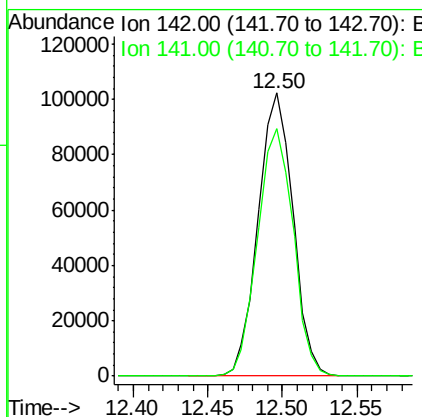
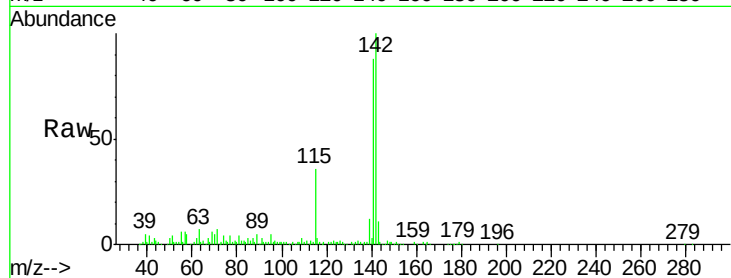
#34
 2-Methylnaphthalene
 Concen: 7.96 ng/ul
 RT: 12.50 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	78.0	117.0

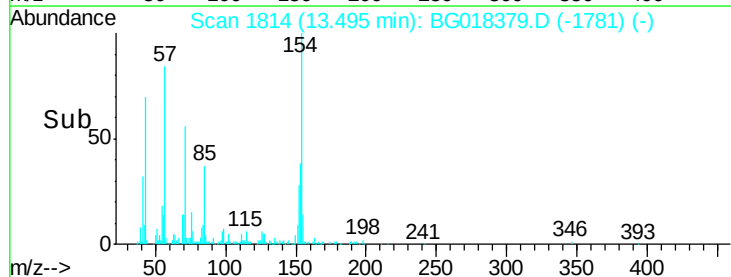
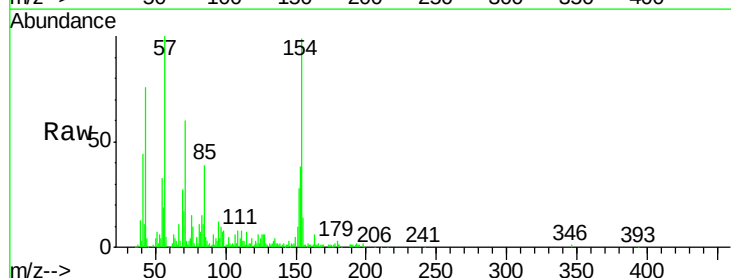
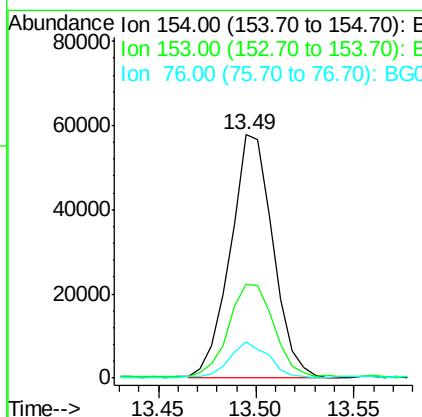
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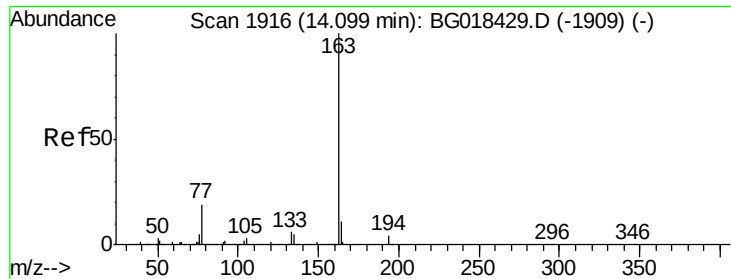
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#41
 1,1'-Biphenyl
 Concen: 3.48 ng/ul
 RT: 13.49 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	35.2	52.8
76	15.0	10.6	16.0





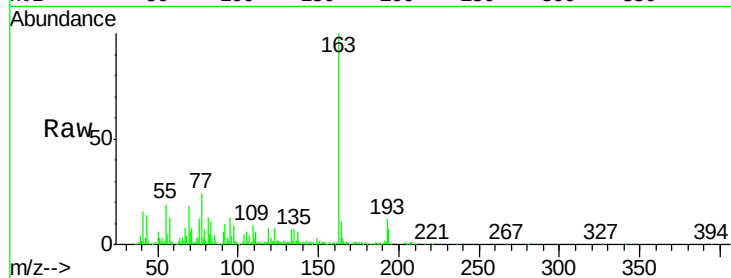
#45
Dimethylphthalate
Concen: 5.43 ng/ul
RT: 14.11 min Scan# 1919
Delta R.T. -0.00 min
Lab File: BG018379.D
Acq: 11 Aug 2015 13:35

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	135838		
194	7.0	2.9	4.3#	
164	10.9	7.7	11.5	

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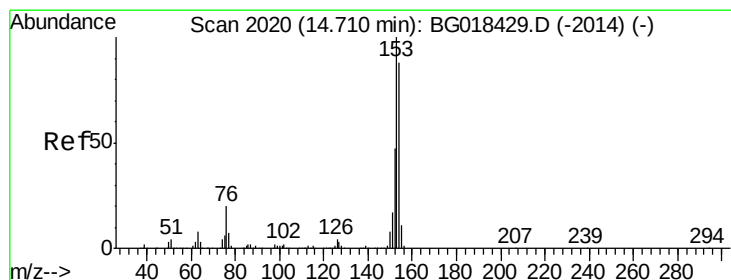
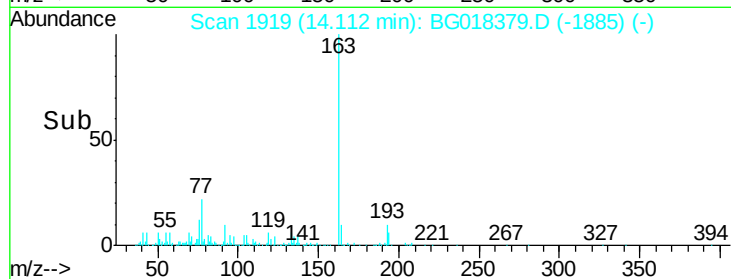
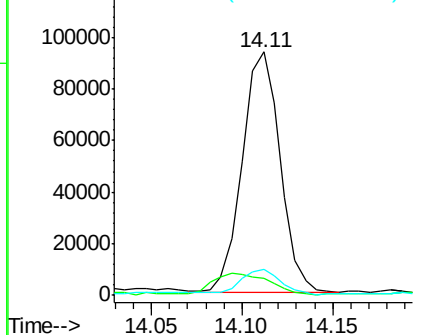


Abundance

Ion 163.00 (162.70 to 163.70): E

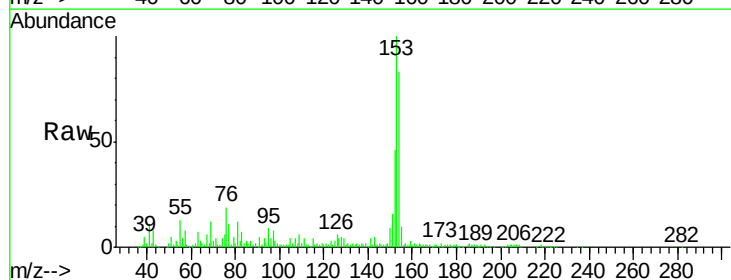
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
Acenaphthene
Concen: 8.88 ng/ul
RT: 14.73 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG018379.D
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Tgt Ion	Ratio	Resp	Lower	Upper
153	100	199611		
152	46.2	38.2	57.4	
154	83.3	68.6	103.0	

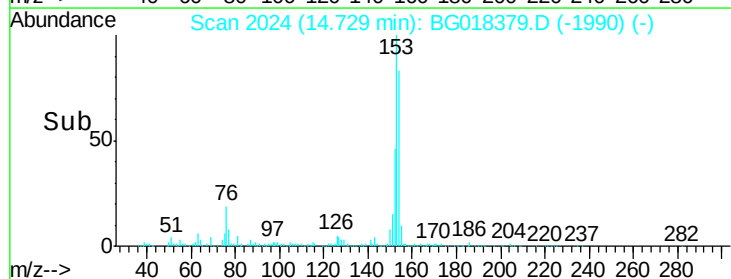
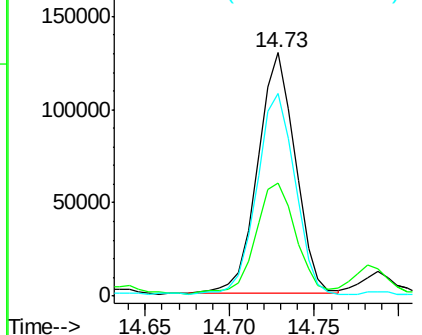


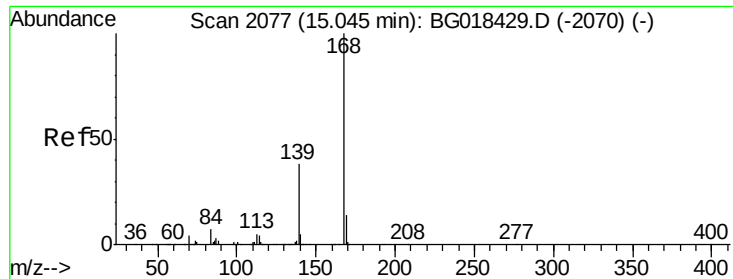
Abundance

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





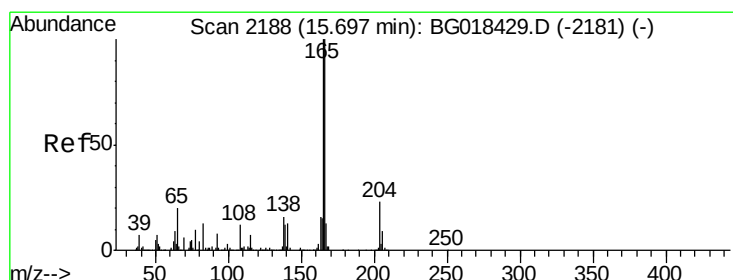
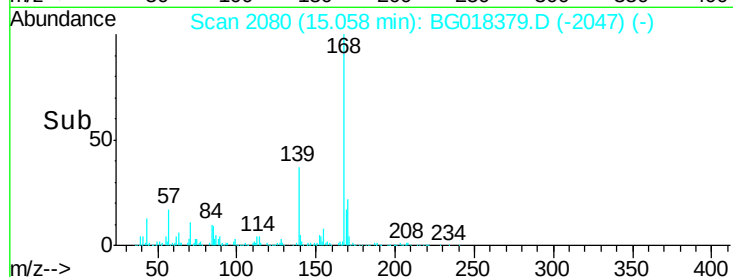
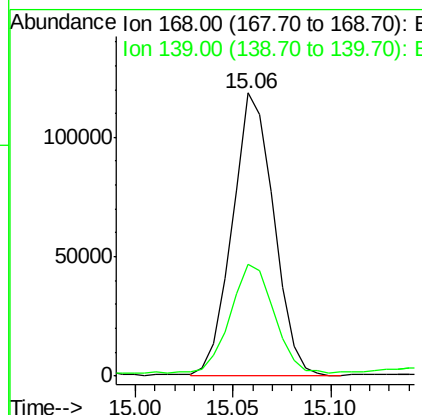
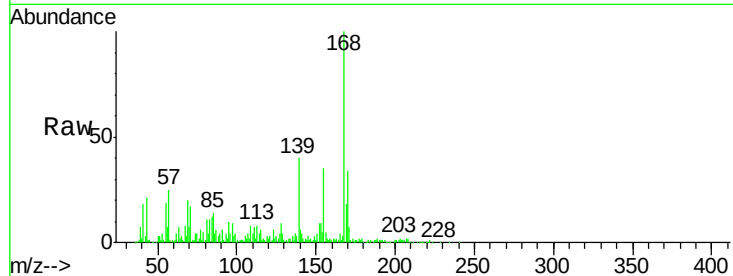
#54
Dibenzenofuran
Concen: 5.91 ng/ul
RT: 15.06 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG018379.D
Acq: 11 Aug 2015 13:35

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	173696		
139	39.6	29.7	44.5	

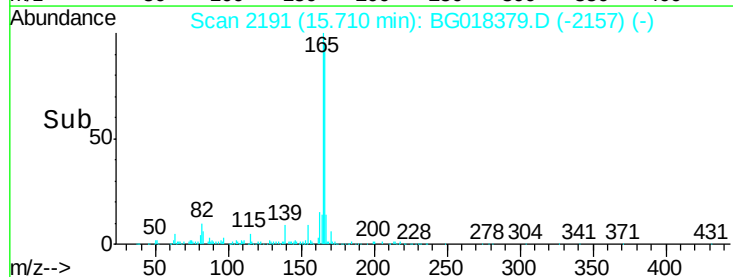
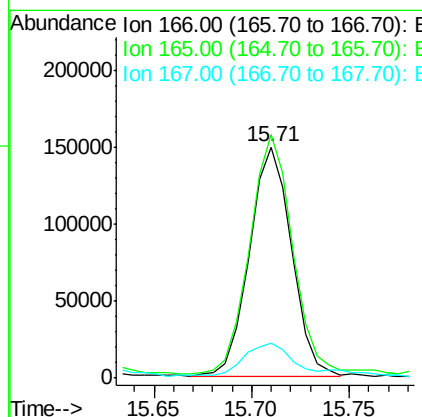
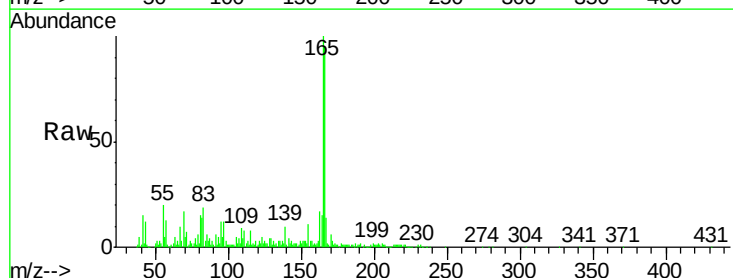
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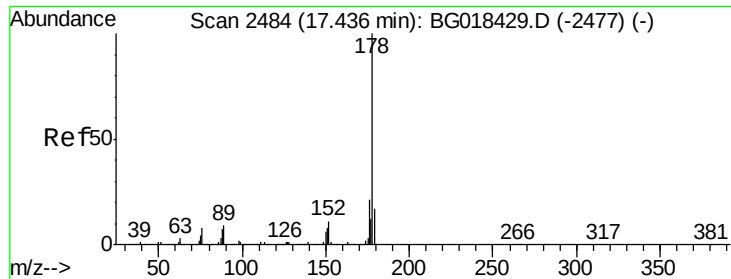
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#59
Fluorene
Concen: 8.78 ng/ul
RT: 15.71 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BG018379.D
Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	221874		
165	105.5	82.6	124.0	
167	15.3	11.4	17.0	





#70

Phenanthrene

Concen: 38.13 ng/ul

RT: 17.45 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Instrument :

BNA_G

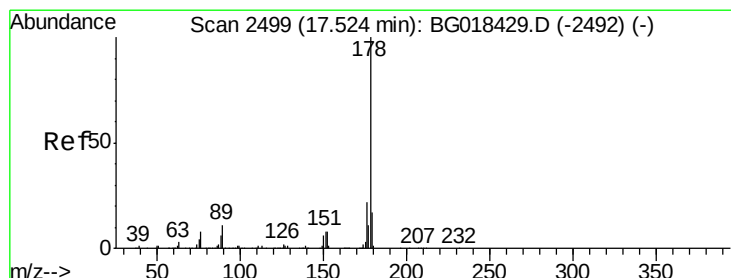
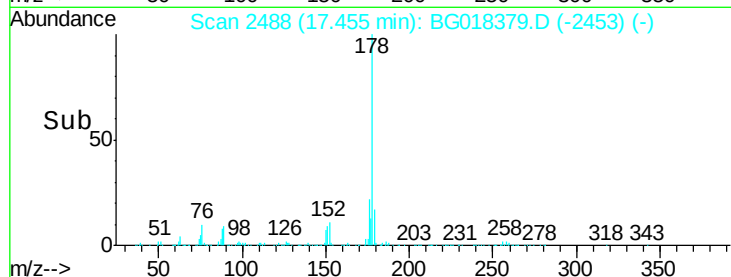
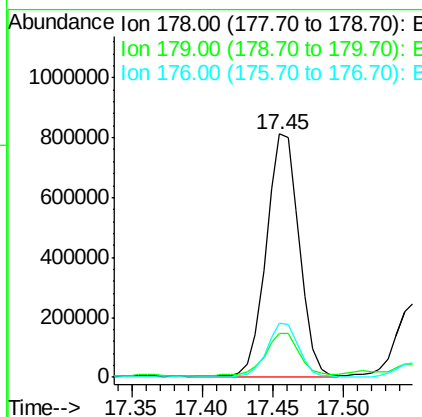
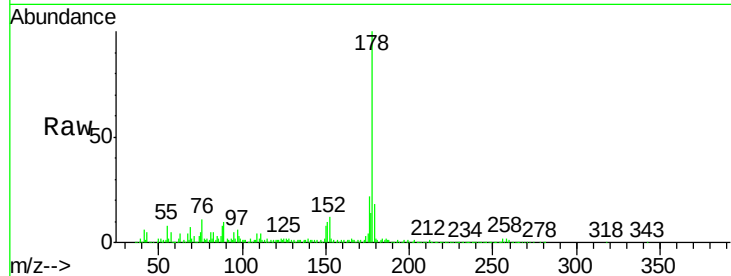
ClientSampleId :

C01P8

Tgt Ion:	178	Resp:	1314305
Ion	Ratio	Lower	Upper
178	100		
179	18.2	13.7	20.5
176	22.3	16.6	24.8

Manual Integrations
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8/12/2015 3:52:36 PM



#72

Anthracene

Concen: 10.24 ng/ul

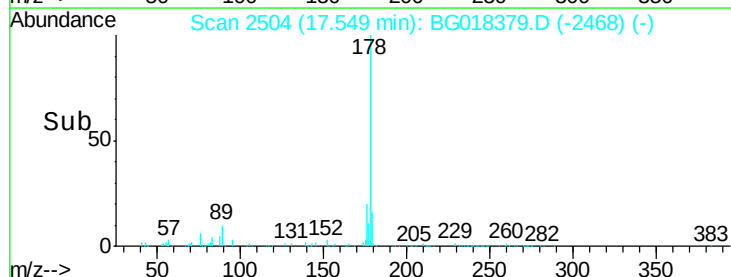
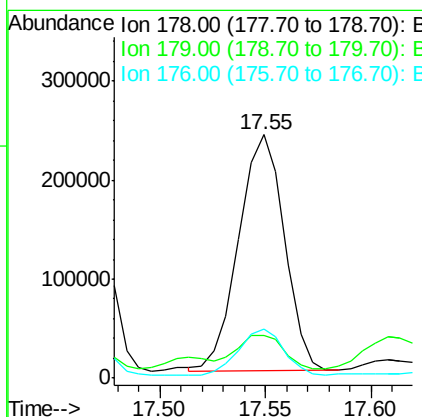
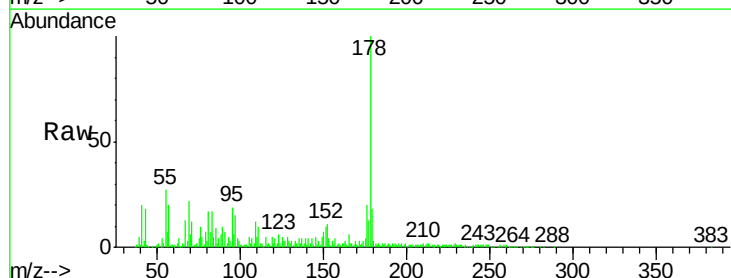
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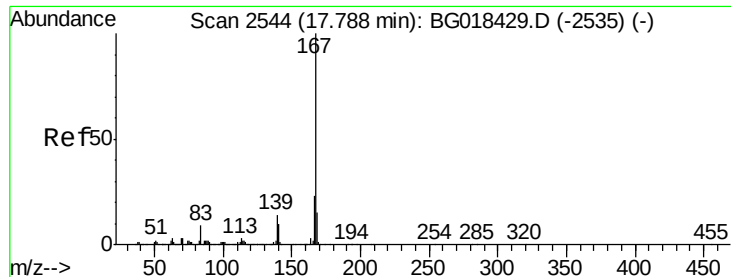
Delta R.T. 0.01 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Tgt Ion:	178	Resp:	359525
Ion	Ratio	Lower	Upper
178	100		
179	17.6	13.0	19.4
176	20.3	16.0	24.0





#75

Carbazole

Concen: 4.95 ng/ul

RT: 17.81 min Scan# 2548

Delta R.T. -0.00 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Instrument :

BNA_G

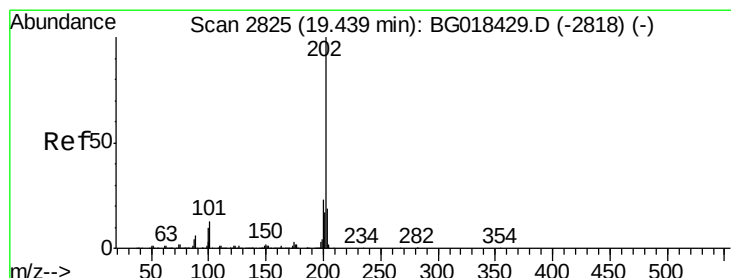
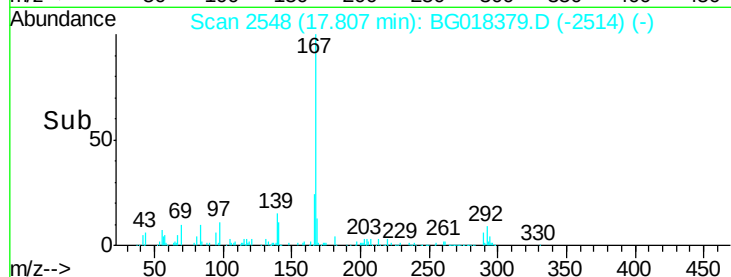
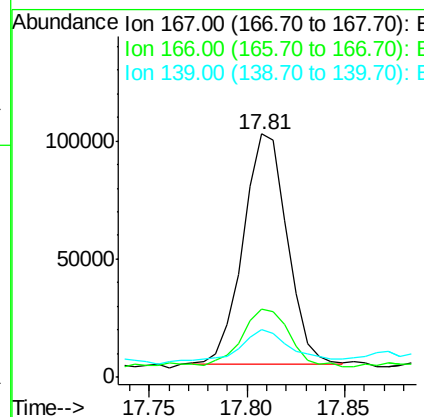
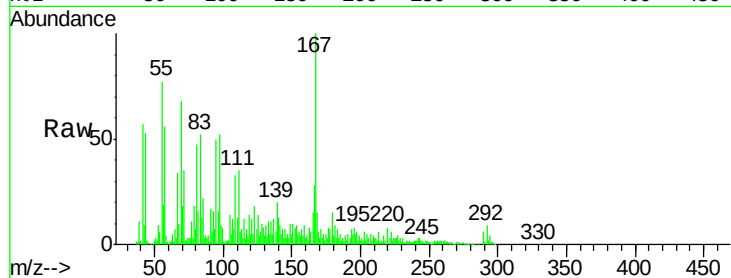
ClientSampleId :

C01P8

Tgt Ion:	167	Resp:	152521
Ion Ratio		Lower	Upper
167	100		
166	28.3	18.9	28.3
139	19.7	10.1	15.1#

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#77

Fluoranthene

Concen: 43.68 ng/ul

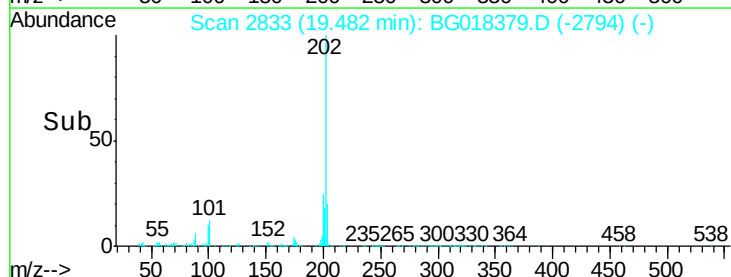
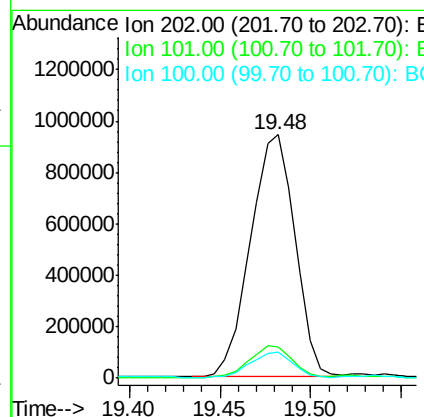
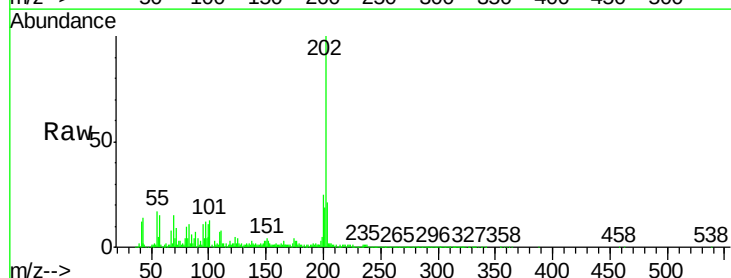
RT: 19.48 min Scan# 2833

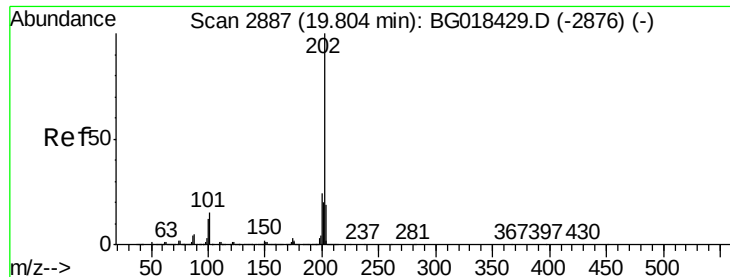
Delta R.T. 0.03 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Tgt Ion:	202	Resp:	1608187
Ion Ratio		Lower	Upper
202	100		
101	12.6	9.7	14.5
100	10.9	7.8	11.8





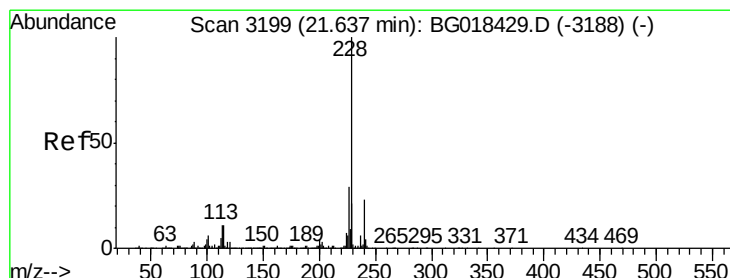
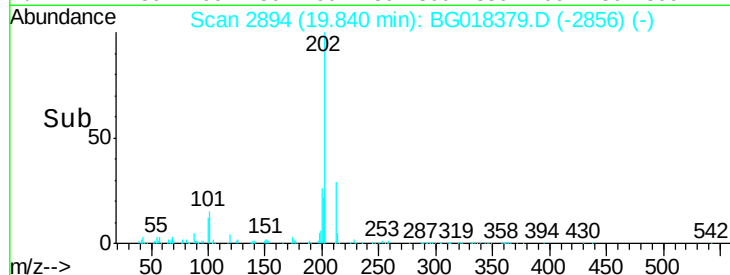
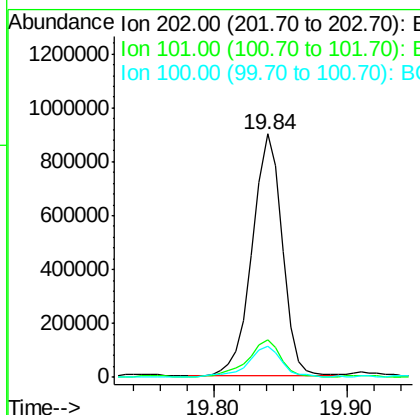
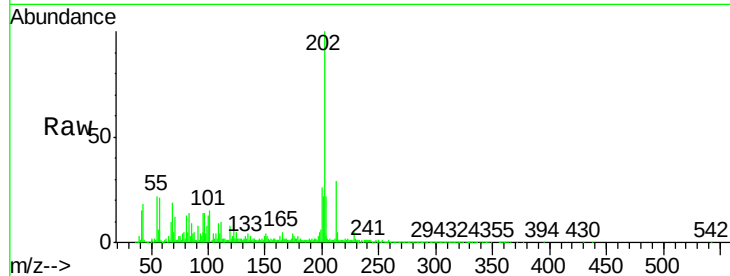
#80
 Pyrene
 Concen: 43.25 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. 0.02 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion:	202	Resp:	1390922
Ion Ratio	Lower	Upper	
202	100		
101	15.2	11.0	16.4
100	13.0	9.8	14.6

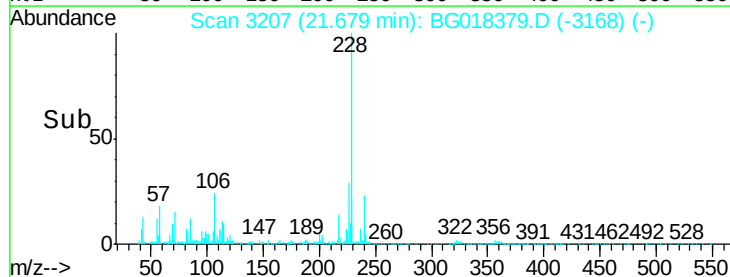
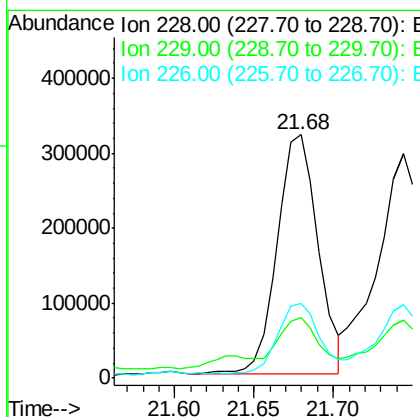
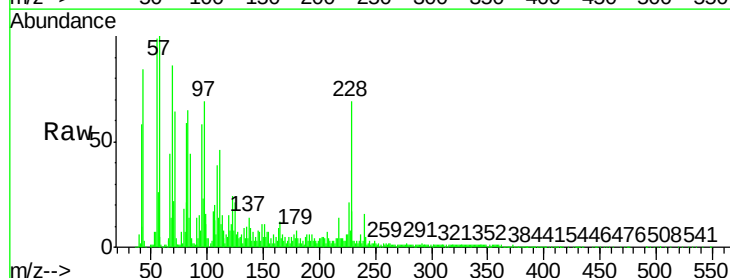
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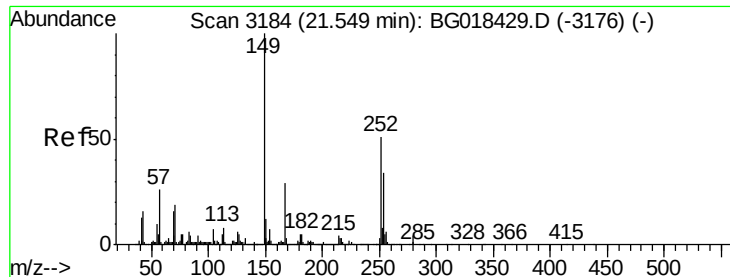
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#83
 Benzo(a)anthracene
 Concen: 19.51 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. 0.03 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Tgt Ion:	228	Resp:	575259
Ion Ratio	Lower	Upper	
228	100		
229	25.1	15.5	23.3#
226	30.6	22.1	33.1





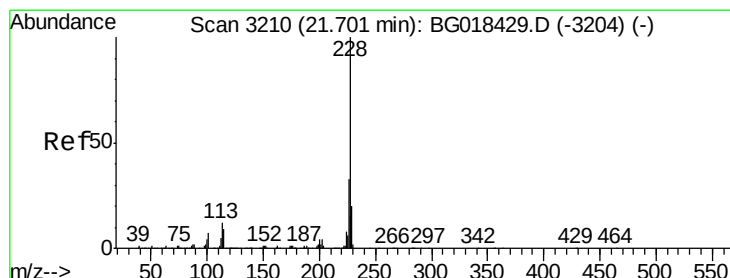
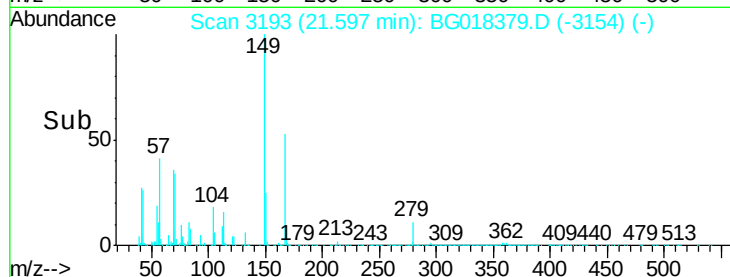
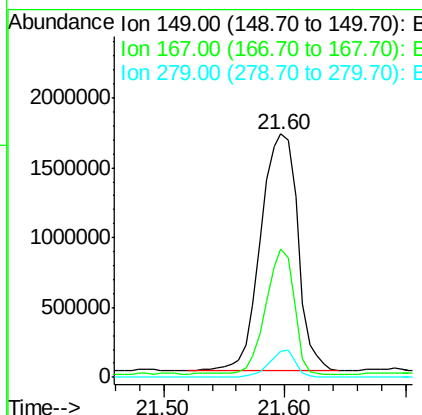
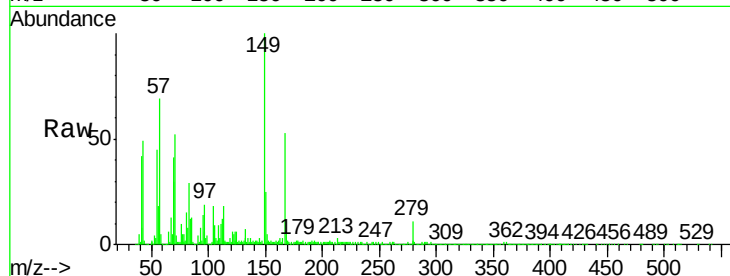
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 186.73 ng/ul
 RT: 21.60 min Scan# 3193
 Delta R.T. 0.03 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Lower	Upper
149	100		
167	53.0	22.2	33.2#
279	10.9	2.8	4.2#

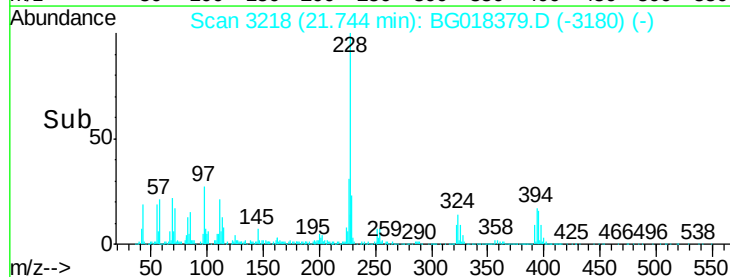
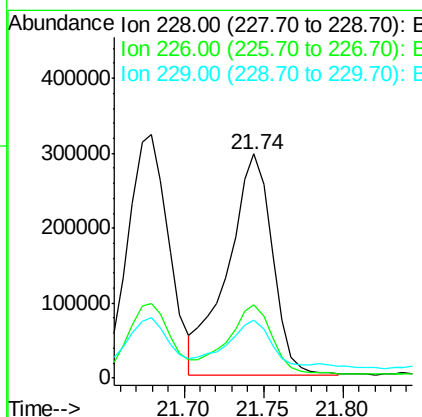
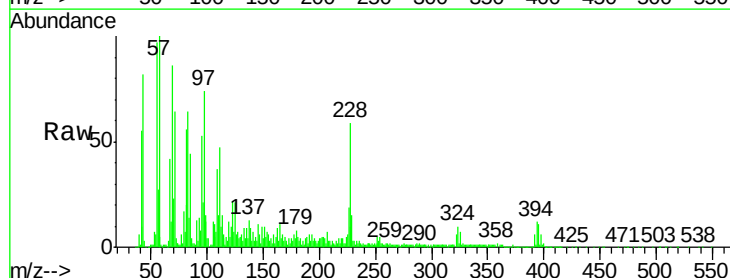
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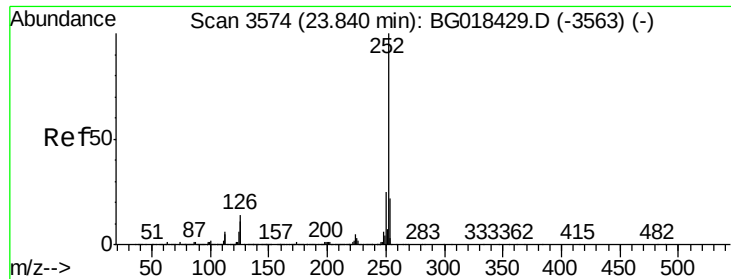
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#85
 Chrysene
 Concen: 20.85 ng/ul m
 RT: 21.74 min Scan# 3218
 Delta R.T. 0.02 min
 Lab File: BG018379.D
 Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	26.5	39.7
229	26.0	16.9	25.3#





#88

Benzo(b)fluoranthene

Concen: 23.37 ng/ul

RT: 23.94 min Scan# 3592

Delta R.T. 0.07 min

Lab File: BG018379.D

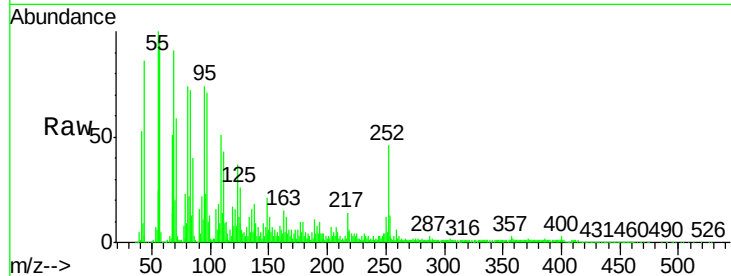
Acq: 11 Aug 2015 13:35

Instrument :

BNA_G

ClientSampleId :

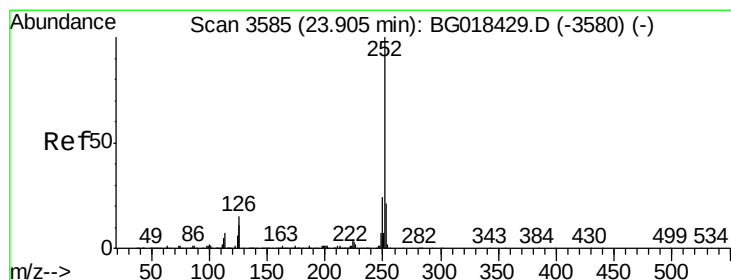
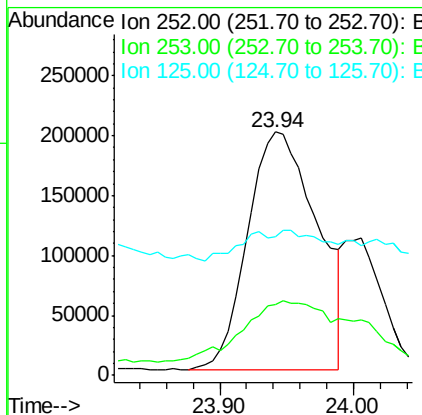
C01P8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.1	27.1#
125	57.2	8.3	12.5#

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#89

Benzo(k)fluoranthene

Concen: 7.50 ng/ul m

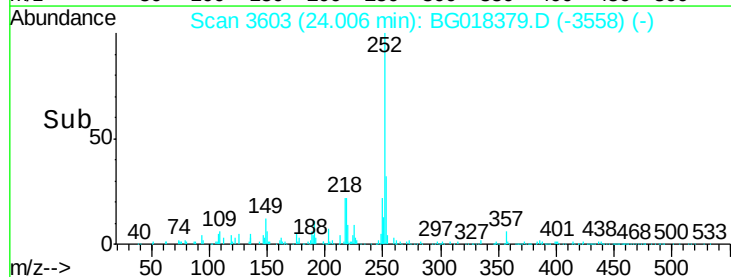
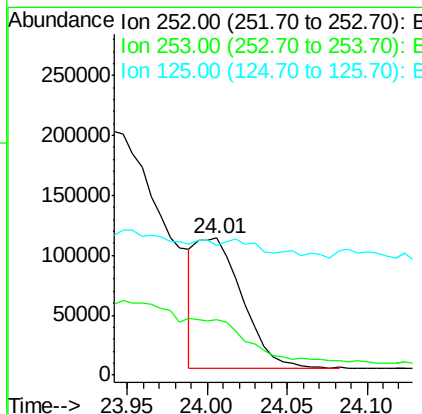
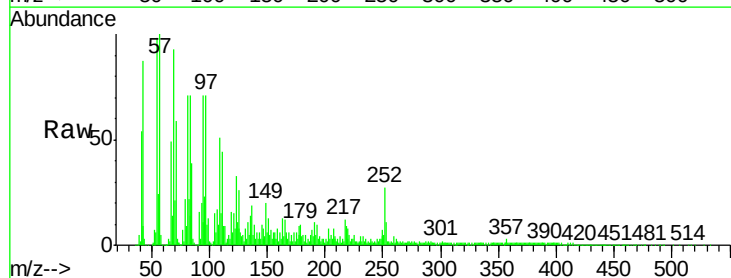
RT: 24.01 min Scan# 3603

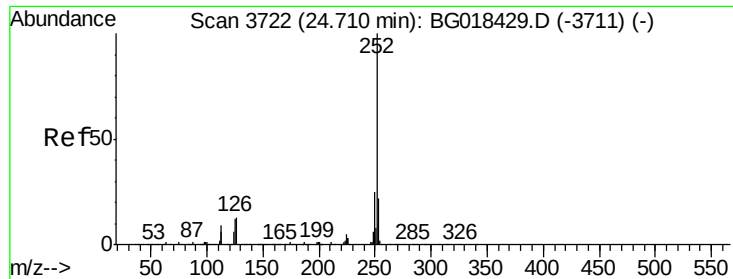
Delta R.T. 0.06 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.8	17.8	26.6#
125	95.0	9.0	13.4#





#91

Benzo(a)pyrene

Concen: 16.39 ng/ul

RT: 24.83 min Scan# 3743

Delta R.T. 0.09 min

Lab File: BG018379.D

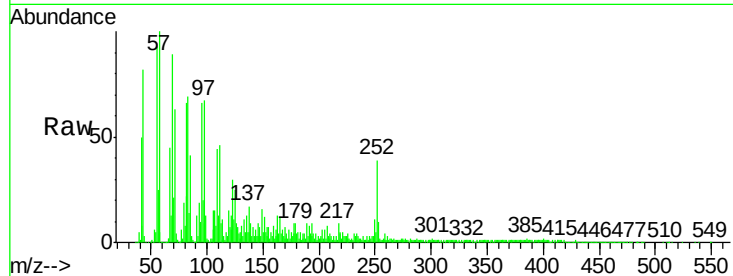
Acq: 11 Aug 2015 13:35

Instrument :

BNA_G

ClientSampleId :

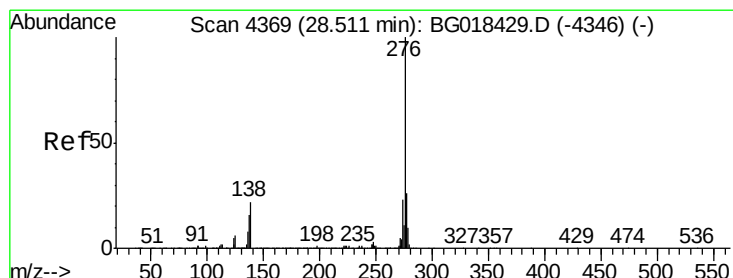
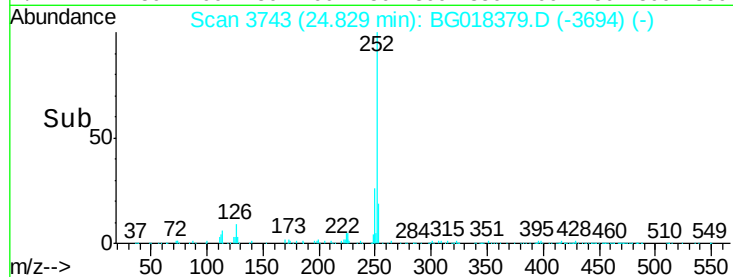
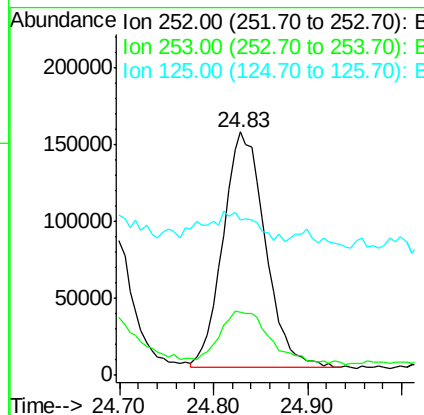
C01P8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.7	26.5
125	63.6	10.2	15.2#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 7.94 ng/ul m

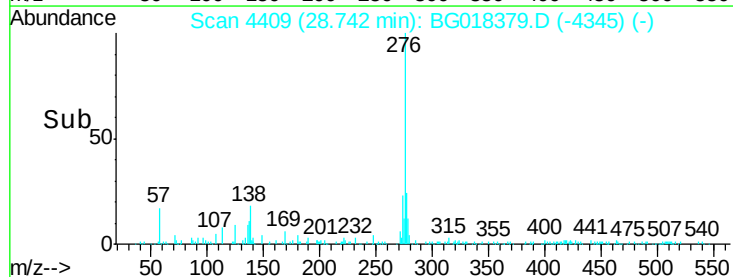
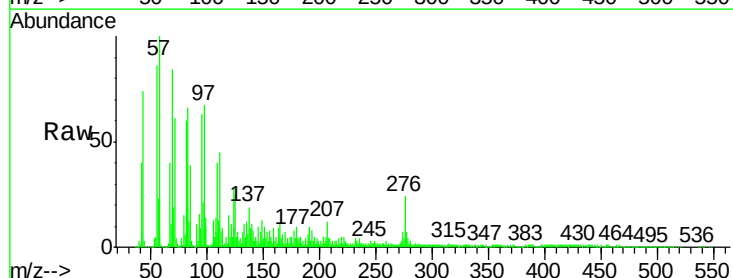
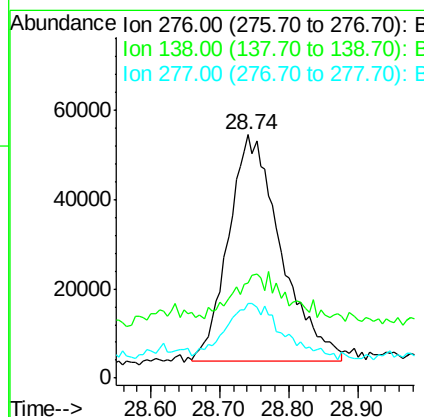
RT: 28.74 min Scan# 4409

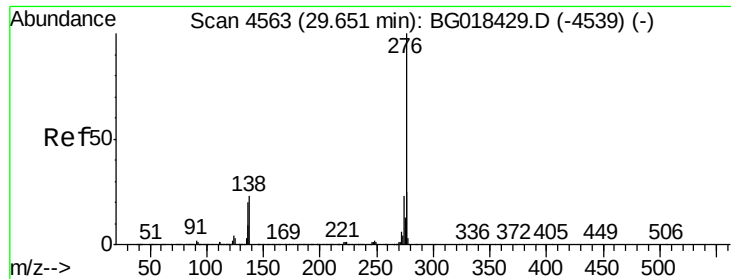
Delta R.T. 0.18 min

Lab File: BG018379.D

Acq: 11 Aug 2015 13:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.8	15.8	23.6#
277	30.8	18.9	28.3#





#94

Benzo(g,h,i)perylene

Concen: 8.28 ng/ul m

RT: 29.91 min Scan# 4607

Delta R.T. 0.19 min

Lab File: BG018379.D

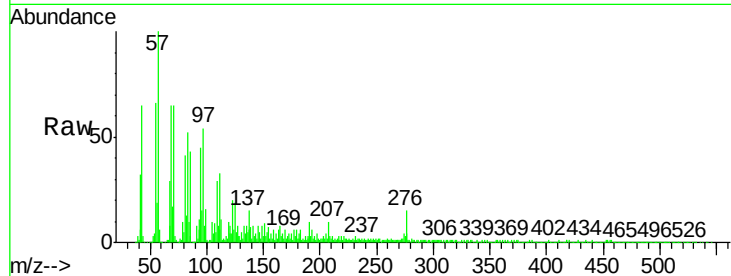
Acq: 11 Aug 2015 13:35

Instrument :

BNA_G

ClientSampleId :

C01P8



Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.9	16.5	24.7#
277	29.0	19.0	28.6#

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