

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
 Data File : BG018086.D
 Acq On : 24 Jul 2015 3:52
 Operator : TP/UM
 Sample : G3035-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02D9

Manual Integrations
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Quant Time: Aug 06 17:29:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:33:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	56149	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	273865	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	171753	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	354649	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	366854	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	356787	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	1108	1.23	ng/uL	0.00
5) Phenol-d5	6.70	99	40495	9.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	21093	9.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	38168	9.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	37038	9.64	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	21093	9.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	22338	9.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	39287	9.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	3475m	0.75	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	122519	10.16	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	148333	10.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	21772	8.58	ng/ul	0.00
58) Fluorene-d10	15.18	176	109730	9.85	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	14766	6.51	ng/ul	0.00
71) Anthracene-d10	17.04	188	150857	9.82	ng/ul	0.00
79) Pyrene-d10	19.34	212	152048	9.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.18	264	134667	7.91	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.72	94	5253	1.19	ng/ul	94
14) Acetophenone	8.33	105	9970	1.84	ng/ul	87
28) Naphthalene	10.35	128	1021348	79.61	ng/ul	98
34) 2-Methylnaphthalene	11.97	142	693989	71.63	ng/ul	100
41) 1,1'-Biphenyl	13.01	154	202820	17.25	ng/ul	99
45) Dimethylphthalate	13.64	163	39644	3.27	ng/ul	98
48) Acenaphthylene	13.90	152	30297	1.95	ng/ul#	89
50) Acenaphthene	14.25	153	938494	92.14	ng/ul	97
54) Dibenzofuran	14.58	168	970032	67.01	ng/ul	98
59) Fluorene	15.24	166	1026316	82.35	ng/ul	98
70) Phenanthrene	16.99	178	3216677m	180.51	ng/ul	
72) Anthracene	17.07	178	492607	27.23	ng/ul	98
75) Carbazole	17.34	167	225083	14.36	ng/ul	99
76) Di-n-butylphthalate	17.92	149	45559	2.21	ng/ul#	97
77) Fluoranthene	19.01	202	2115986	111.47	ng/ul#	93
80) Pyrene	19.38	202	1538198	73.22	ng/ul	95
83) Benzo(a)anthracene	21.13	228	465312	23.98	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.08	149	13439	1.09	ng/ul	95
85) Chrysene	21.18	228	396222	21.69	ng/ul	97
88) Benzo(b)fluoranthene	22.67	252	305017	15.60	ng/ul#	95
89) Benzo(k)fluoranthene	22.71	252	87758m	4.64	ng/ul	
91) Benzo(a)pyrene	23.23	252	172692	9.12	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.53	276	82536	3.78	ng/ul#	93

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.53	278	23595	1.27	ng/ul#	82
94) Benzo(g,h,i)perylene	26.20	276	43571	2.41	ng/ul	97

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

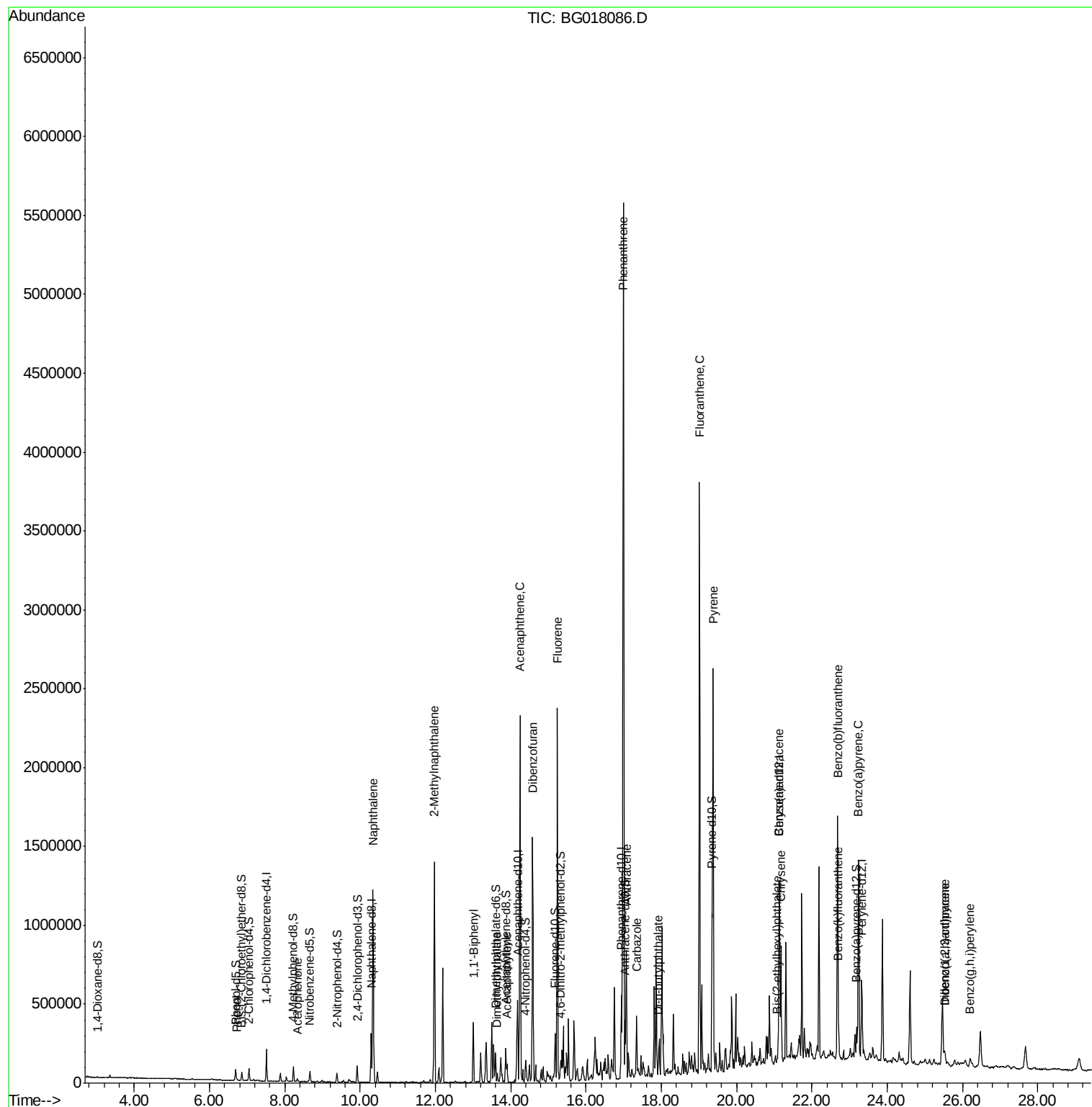
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018086.D
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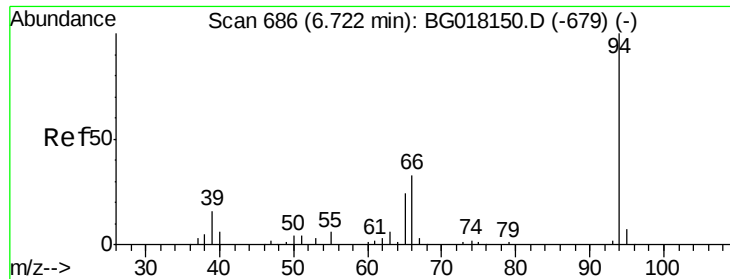
Instrument :
BNA_G
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C02D9

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#6

Phenol

Concen: 1.19 ng/ul

RT: 6.72 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

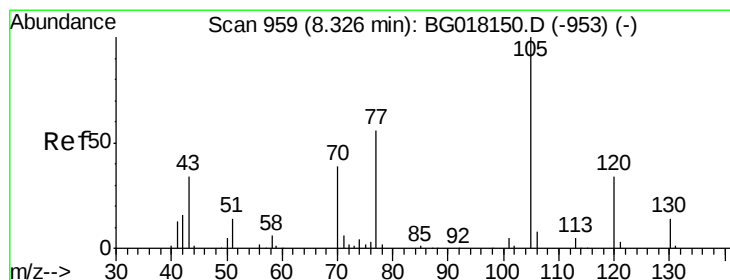
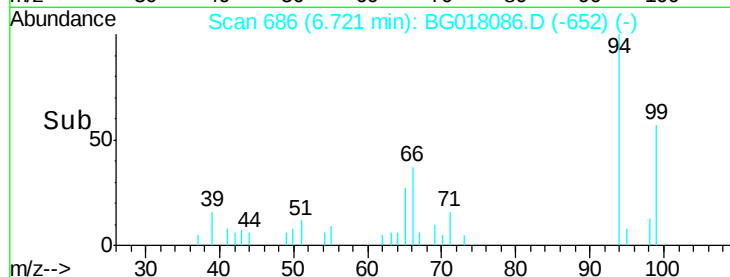
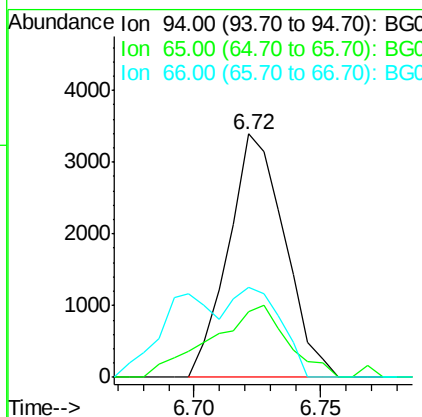
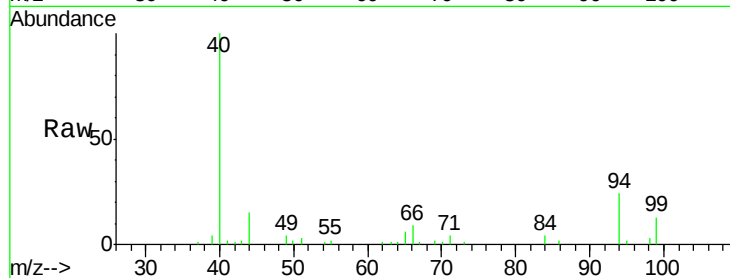
ClientSampleId :

C02D9

Tgt Ion:	94	Resp:	5253
Ion	Ratio	Lower	Upper
94	100		
65	27.2	20.1	30.1
66	36.8	25.9	38.9

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#14

Acetophenone

Concen: 1.84 ng/ul

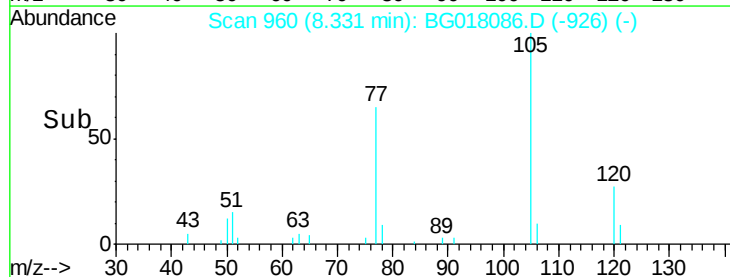
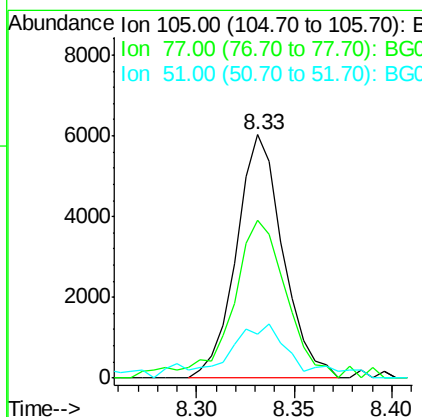
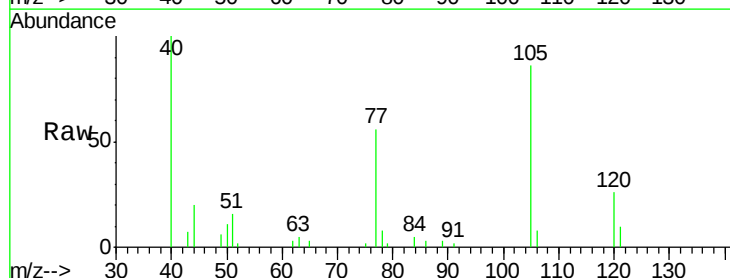
RT: 8.33 min Scan# 960

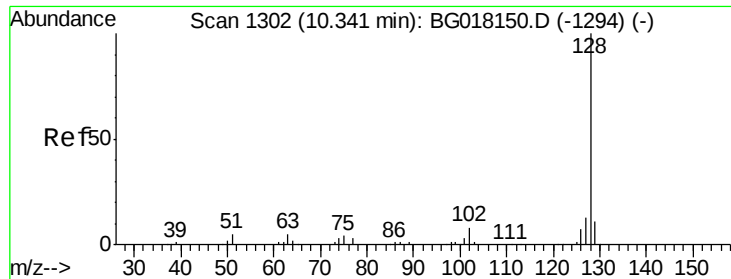
Delta R.T. -0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Tgt Ion:	105	Resp:	9970
Ion	Ratio	Lower	Upper
105	100		
77	64.6	61.7	92.5
51	18.2	18.1	27.1





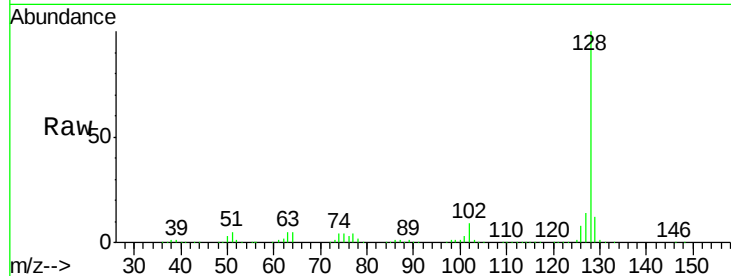
#28
Naphthalene
Concen: 79.61 ng/ul
RT: 10.35 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BG018086.D
Acq: 24 Jul 2015 3:52

Instrument :
BNA_G
ClientSampleId :
C02D9

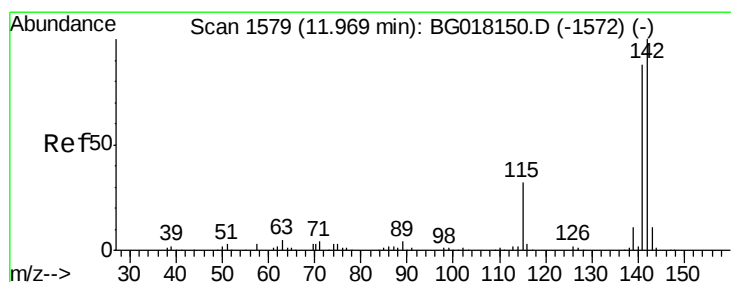
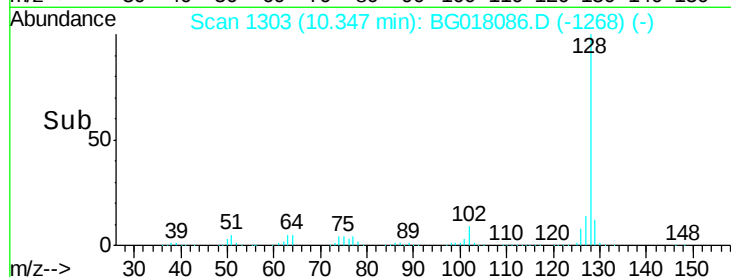
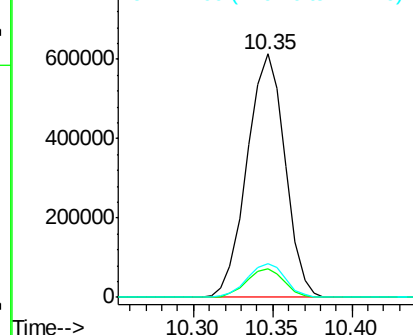
Tgt Ion:128 Resp: 1021348
Ion Ratio Lower Upper
128 100
129 11.7 9.5 14.3
127 14.1 10.1 15.1

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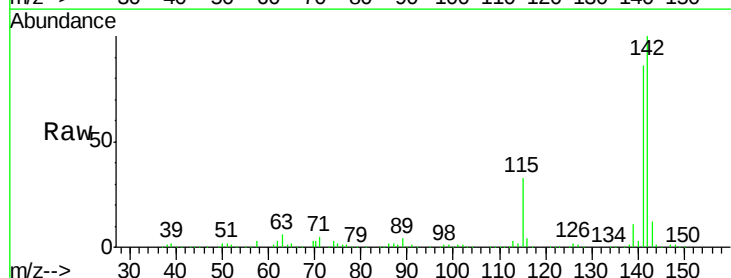


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

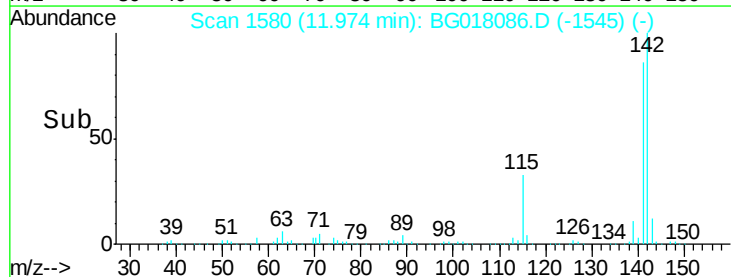
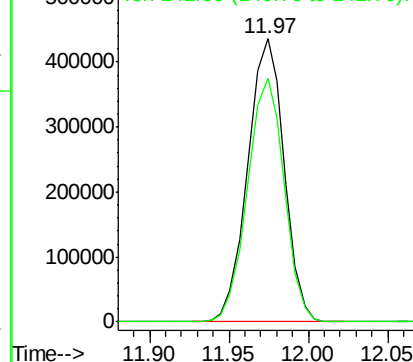


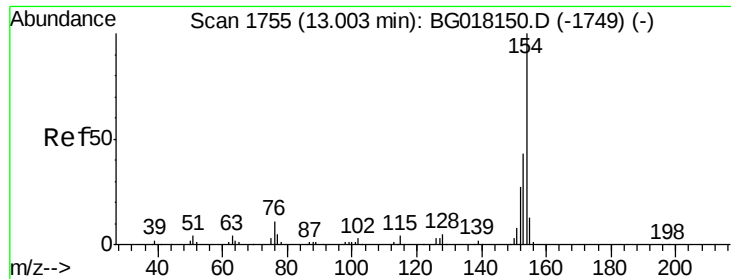
#34
2-Methylnaphthalene
Concen: 71.63 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BG018086.D
Acq: 24 Jul 2015 3:52

Tgt Ion:142 Resp: 693989
Ion Ratio Lower Upper
142 100
141 86.3 69.4 104.0



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





#41

1,1'-Biphenyl

Concen: 17.25 ng/ul

RT: 13.01 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

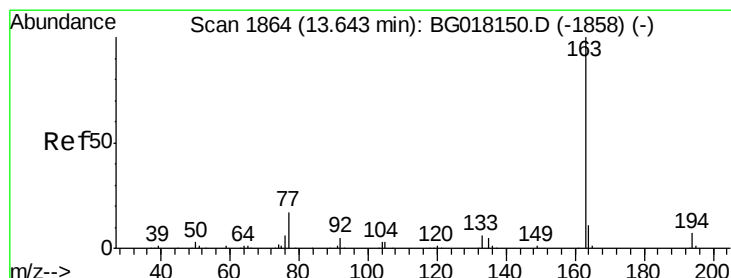
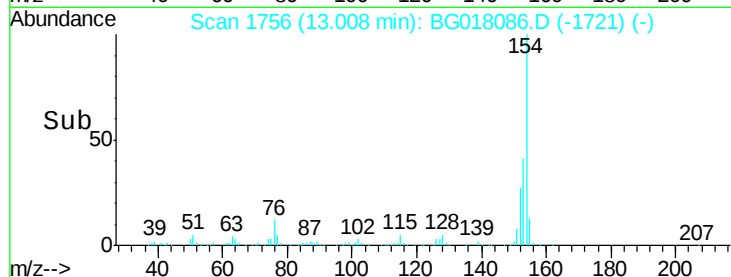
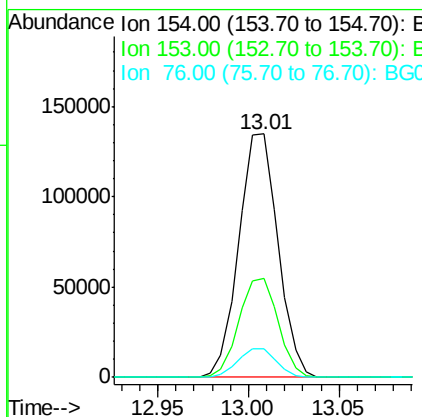
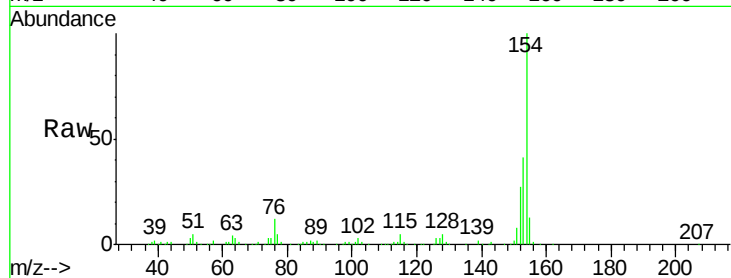
ClientSampleId :

C02D9

Tgt Ion:	154	Resp:	202820
Ion Ratio	Lower	Upper	
154	100		
153	40.7	33.1	49.7
76	11.6	9.7	14.5

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#45

Dimethylphthalate

Concen: 3.27 ng/ul

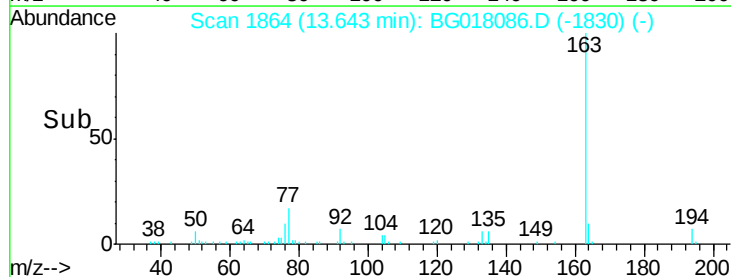
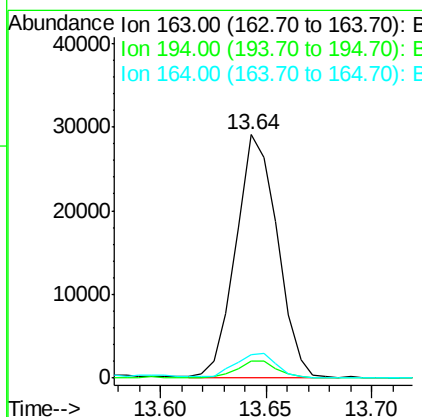
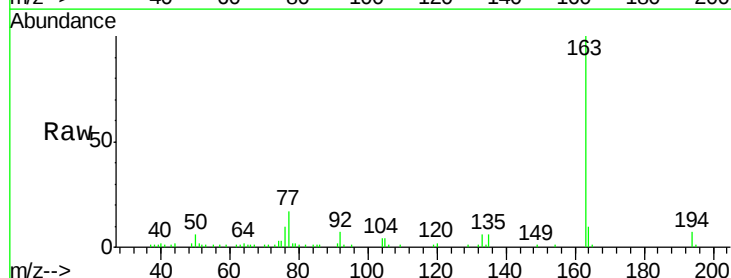
RT: 13.64 min Scan# 1864

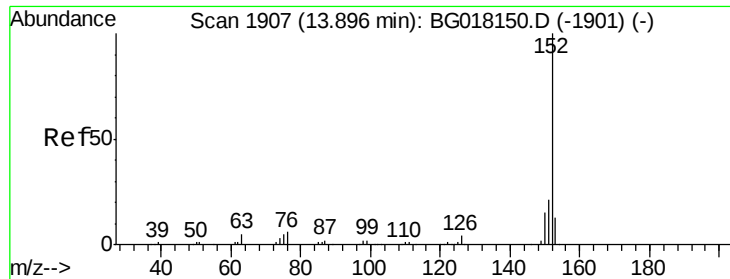
Delta R.T. -0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Tgt Ion:	163	Resp:	39644
Ion Ratio	Lower	Upper	
163	100		
194	7.3	5.4	8.2
164	9.7	8.7	13.1





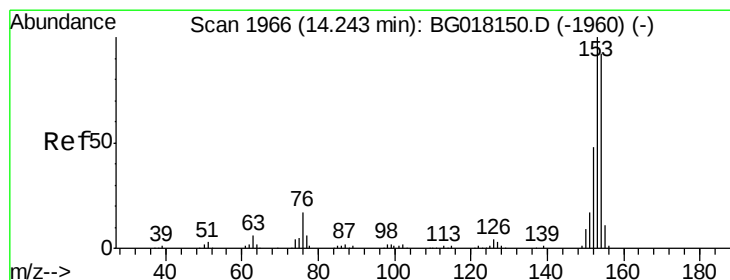
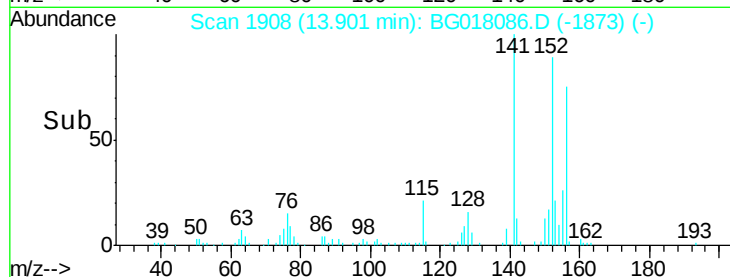
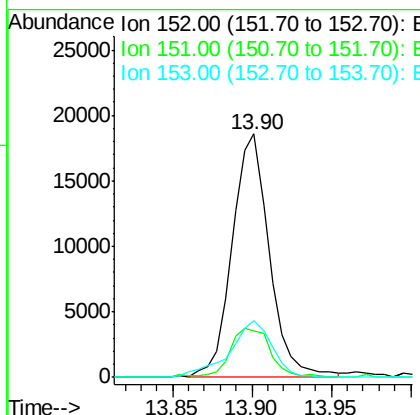
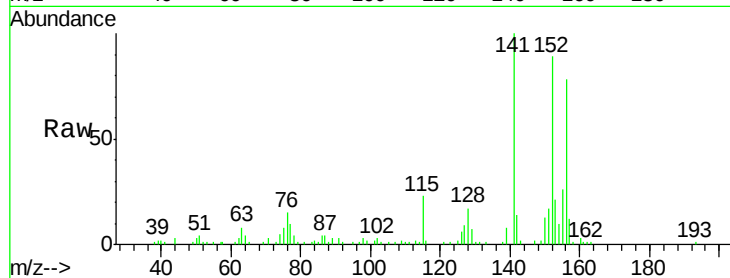
#48
Acenaphthylene
Concen: 1.95 ng/ul
RT: 13.90 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BG018086.D
Acq: 24 Jul 2015 3:52

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	30297		
151	19.3	16.6	25.0	
153	23.4	11.3	16.9	

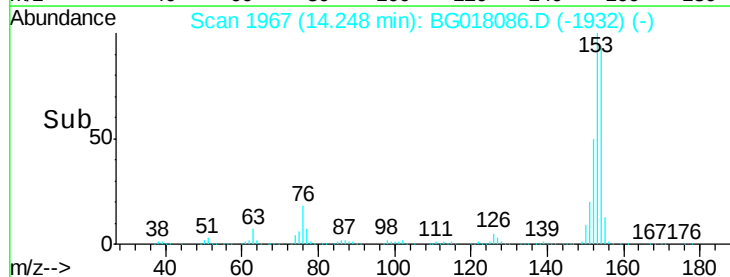
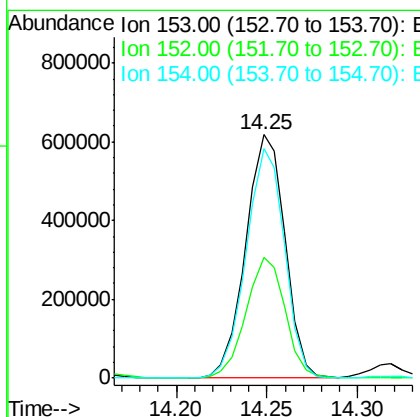
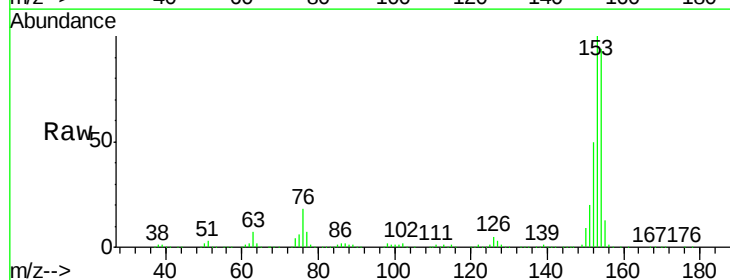
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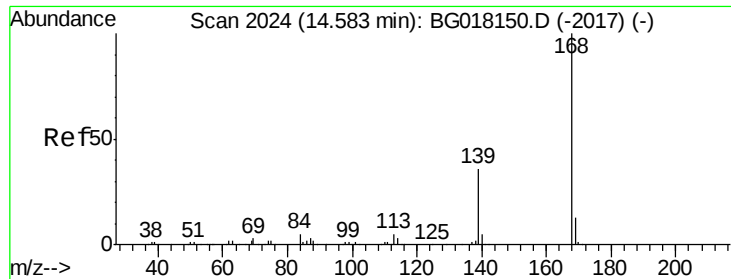
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#50
Acenaphthene
Concen: 92.14 ng/ul
RT: 14.25 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BG018086.D
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Tgt Ion	Ratio	Resp	Lower	Upper
153	100	938494		
152	49.6	38.9	58.3	
154	94.0	72.6	108.8	





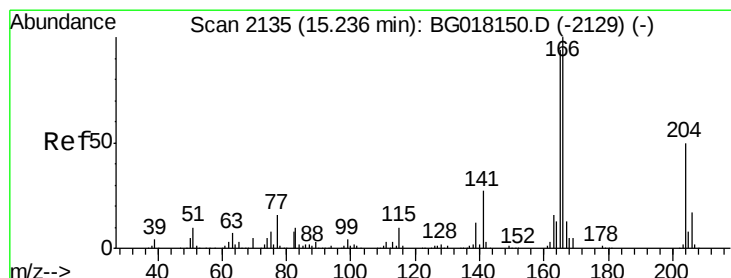
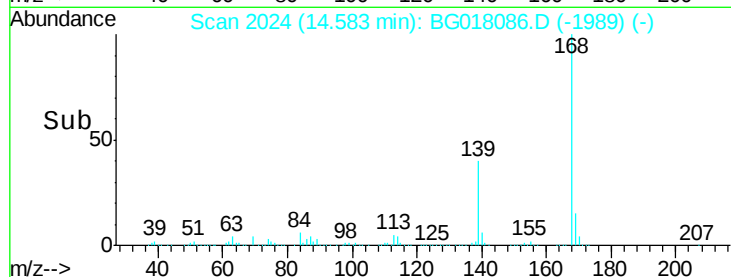
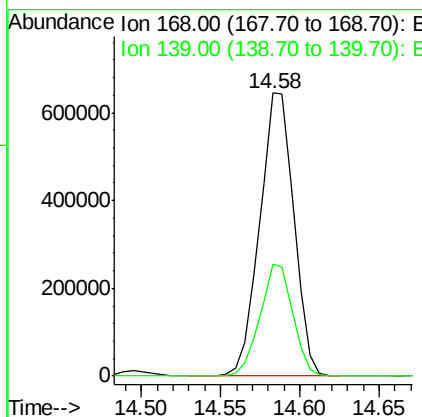
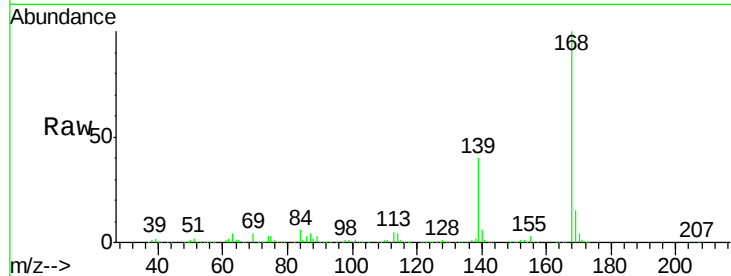
#54
Dibenzenofuran
Concen: 67.01 ng/ul
RT: 14.58 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BG018086.D
Acq: 24 Jul 2015 3:52

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Tgt Ion:168 Resp: 970032
Ion Ratio Lower Upper
168 100
139 39.7 30.6 46.0

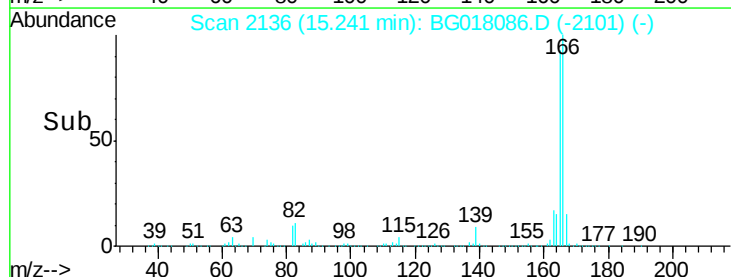
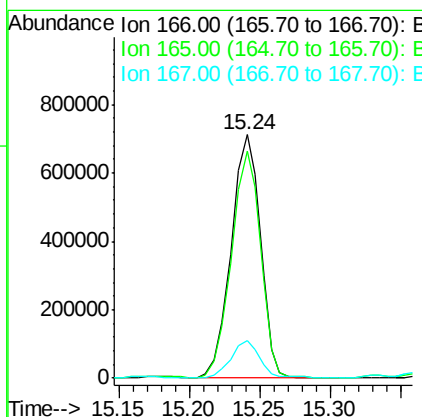
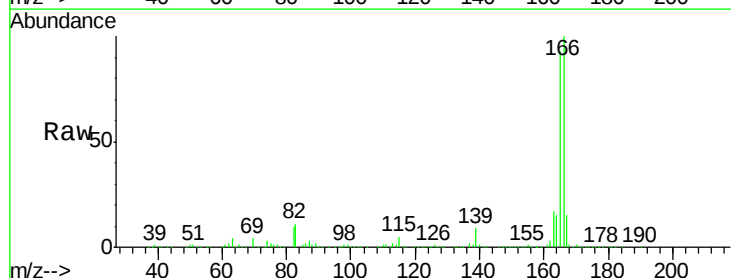
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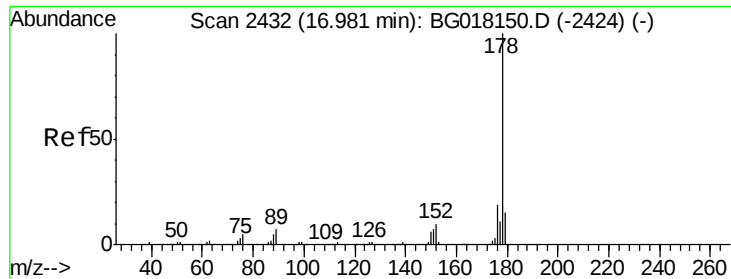
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#59
Fluorene
Concen: 82.35 ng/ul
RT: 15.24 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BG018086.D
Acq: 24 Jul 2015 3:52

Tgt Ion:166 Resp: 1026316
Ion Ratio Lower Upper
166 100
165 93.3 73.6 110.4
167 15.3 10.8 16.2





#70

Phenanthrene

Concen: 180.51 ng/ul m

RT: 16.99 min Scan# 2434

Delta R.T. 0.02 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

ClientSampleId :

C02D9

Tgt Ion:178 Resp: 3216677

Ion Ratio Lower Upper

178 100

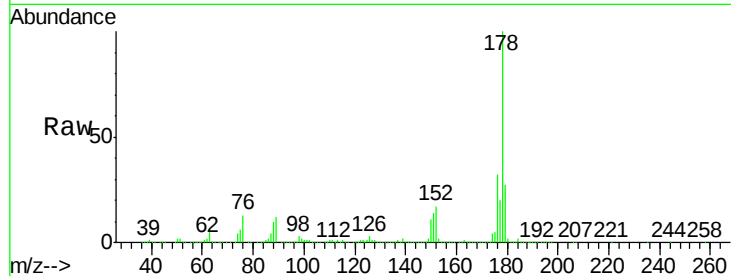
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176 32.4 15.8 23.8#

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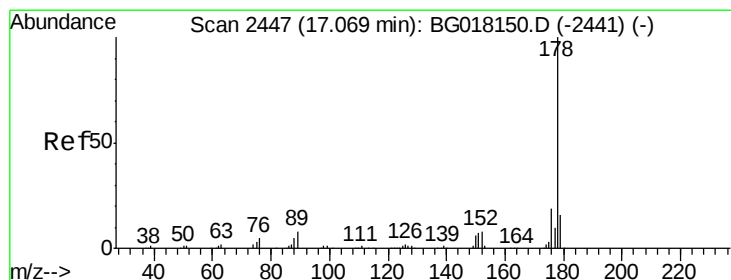
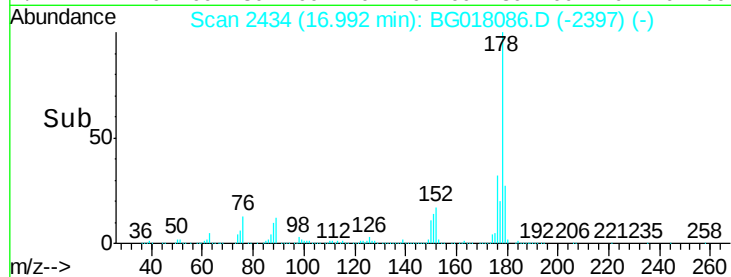
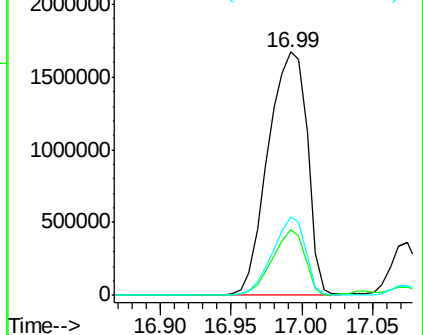
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 27.23 ng/ul

RT: 17.07 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

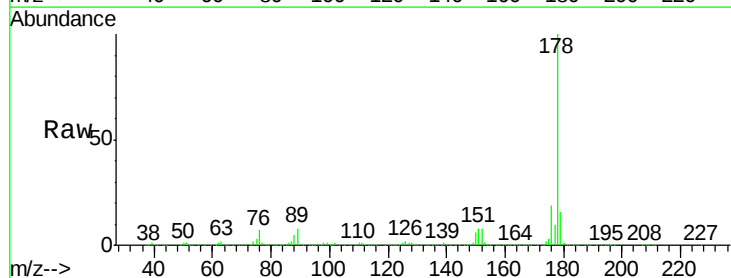
Tgt Ion:178 Resp: 492607

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

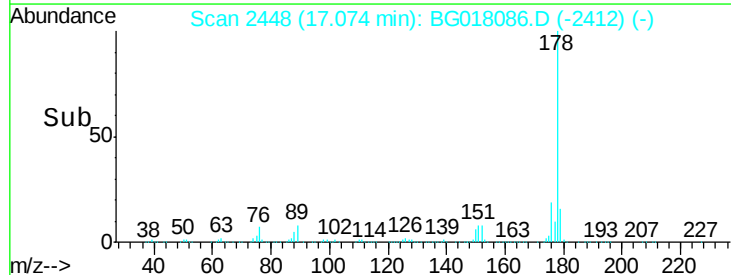
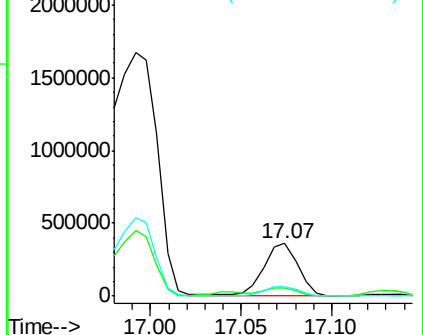
176 18.9 15.8 23.8

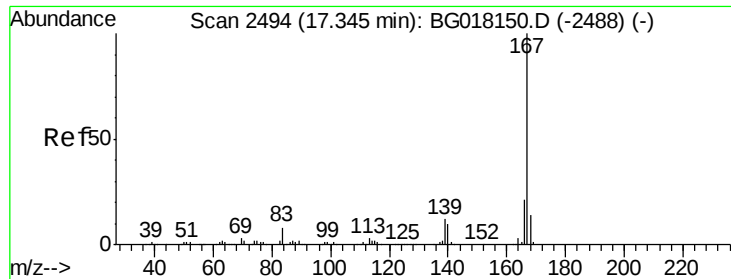


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





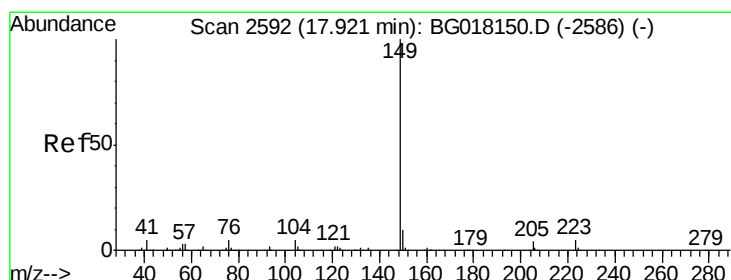
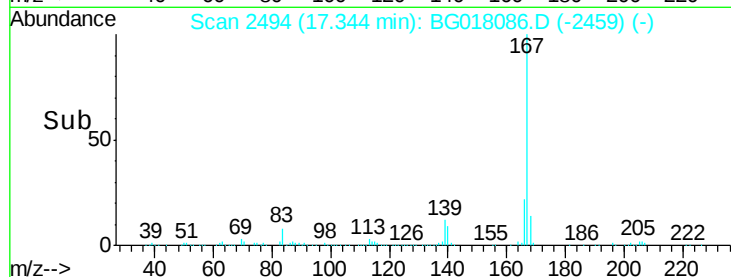
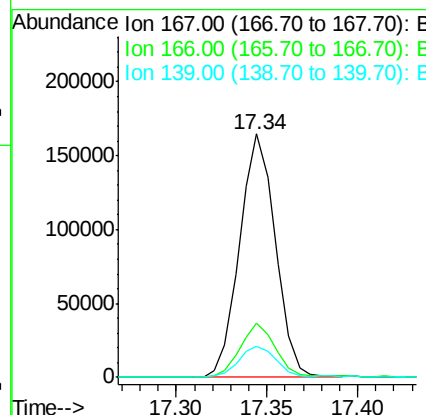
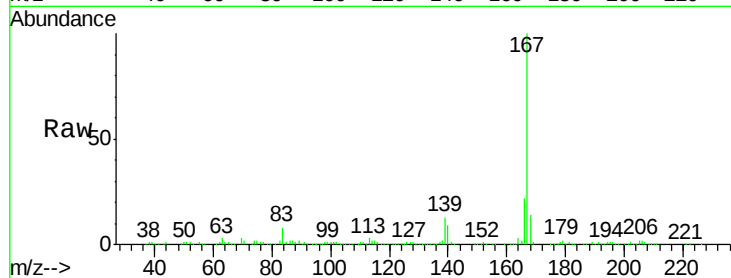
#75
 Carbazole
 Concen: 14.36 ng/ul
 RT: 17.34 min Scan# 2494
 Delta R.T. 0.00 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Instrument :
 BNA_G
 ClientSampleId :
 C02D9

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	225083		
166	22.4	17.4	26.2	
139	12.7	10.6	15.8	

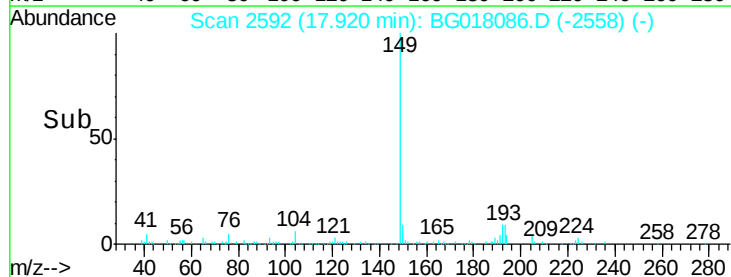
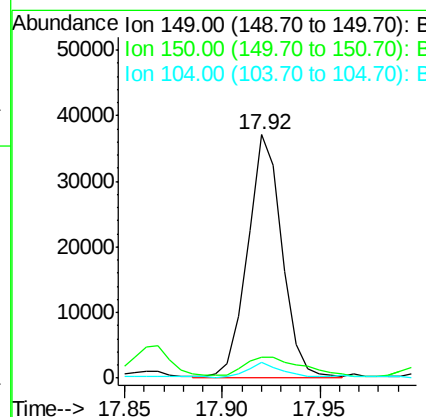
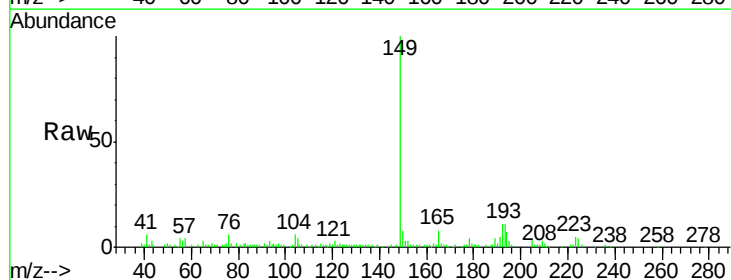
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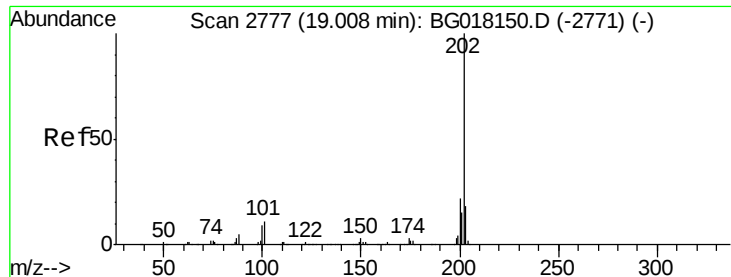
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#76
 Di-n-butylphthalate
 Concen: 2.21 ng/ul
 RT: 17.92 min Scan# 2592
 Delta R.T. -0.00 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	45559		
150	8.5	7.4	11.0	
104	6.3	3.8	5.8	





#77

Fluoranthene

Concen: 111.47 ng/ul

RT: 19.01 min Scan# 2778

Delta R.T. 0.01 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

ClientSampleId :

C02D9

Tgt Ion:202 Resp: 2115986

Ion Ratio Lower Upper

202 100

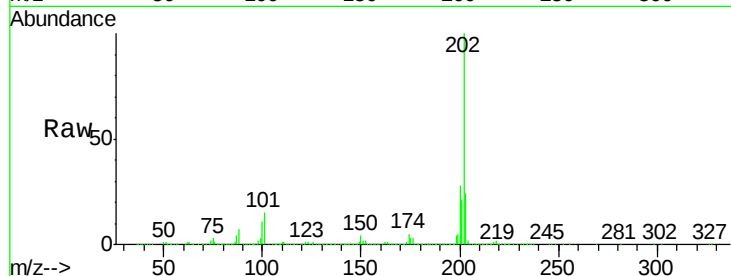
101 14.7 9.1 13.7#

100 11.3 7.5 11.3#

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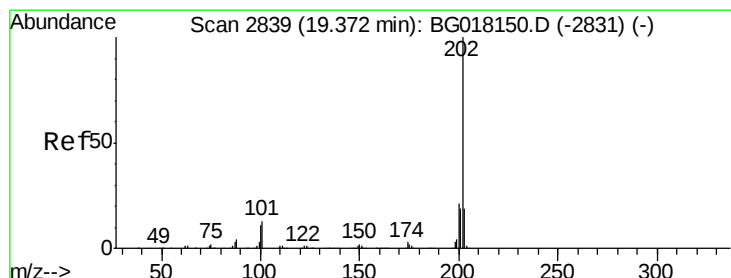
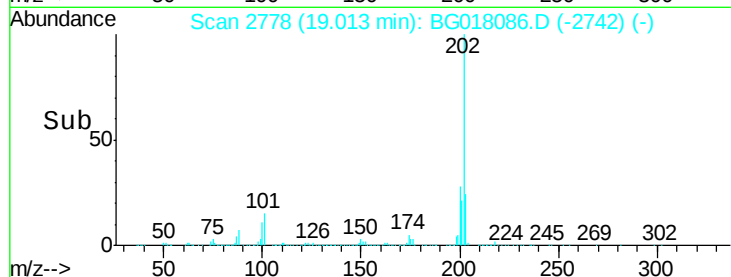
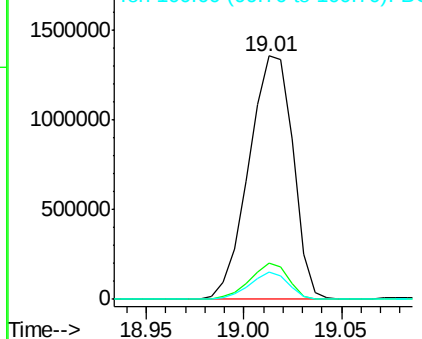
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 73.22 ng/ul

RT: 19.38 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

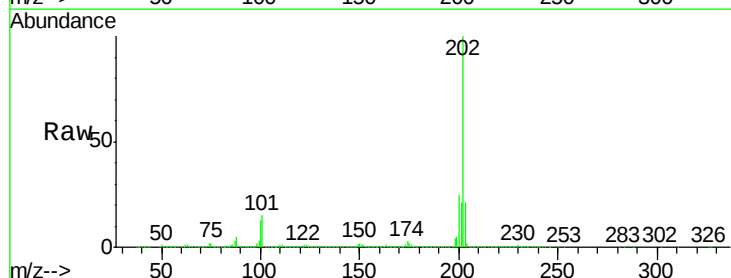
Tgt Ion:202 Resp: 1538198

Ion Ratio Lower Upper

202 100

101 15.3 10.9 16.3

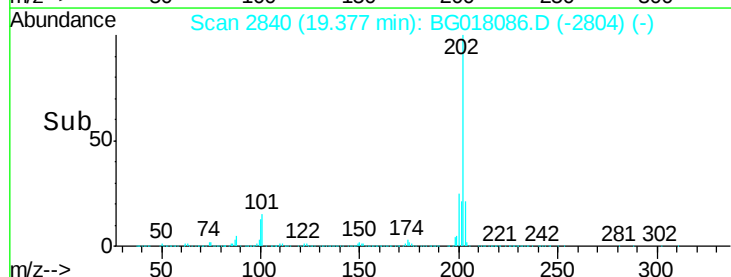
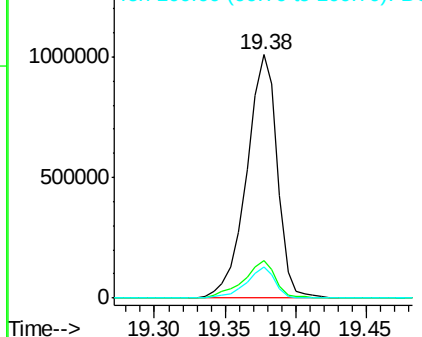
100 12.6 8.5 12.7

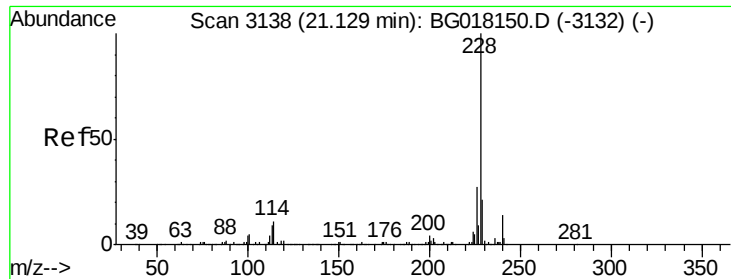


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





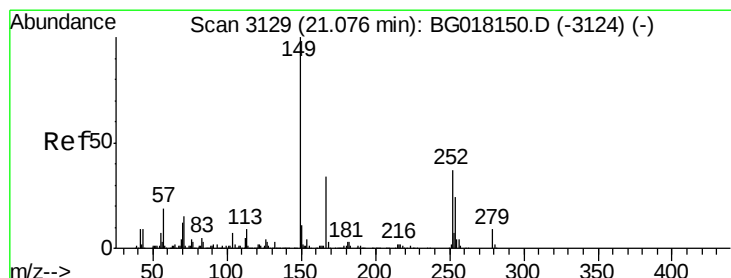
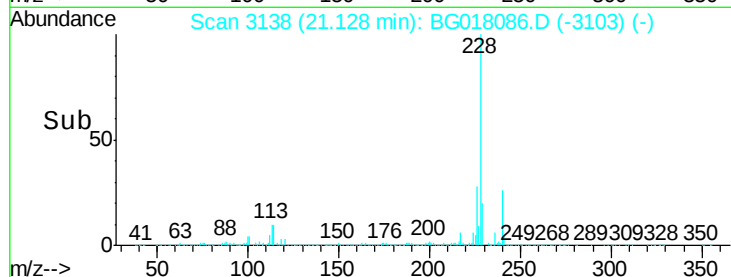
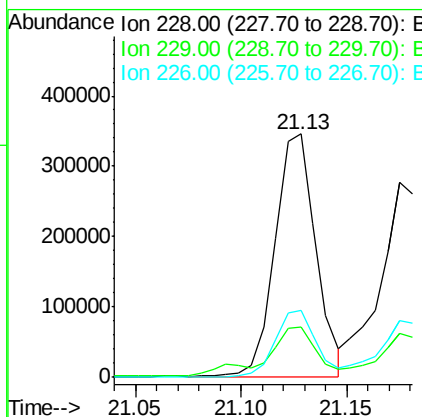
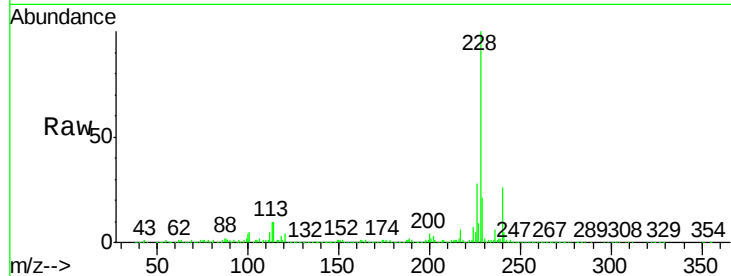
#83
 Benzo(a)anthracene
 Concen: 23.98 ng/ul
 RT: 21.13 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Instrument :
 BNA_G
 ClientSampleId :
 C02D9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	24.8
226	27.7	21.1	31.7

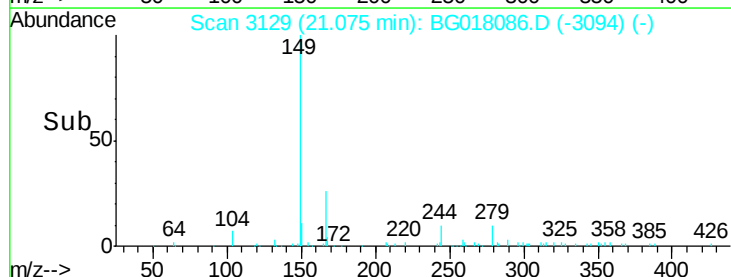
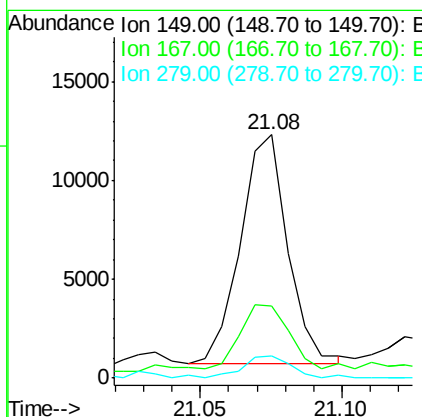
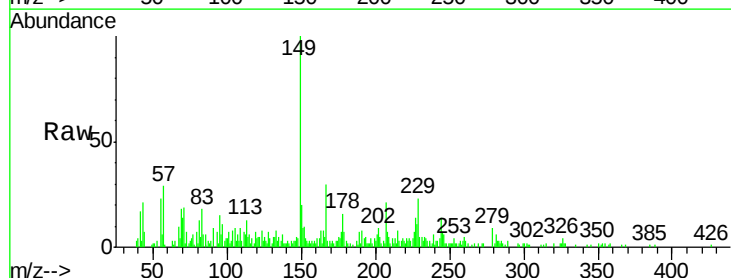
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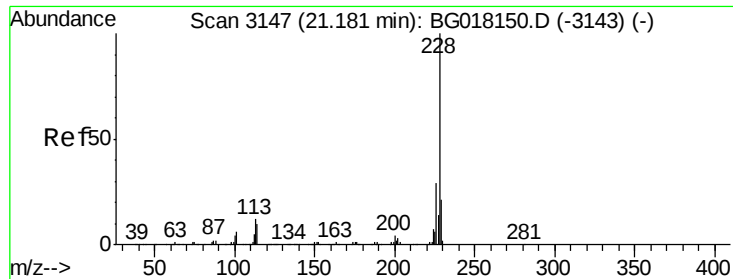
apatel
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.09 ng/ul
 RT: 21.08 min Scan# 3129
 Delta R.T. 0.00 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.6	26.2	39.4
279	9.3	7.2	10.8





#85

Chrysene

Concen: 21.69 ng/ul

RT: 21.18 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

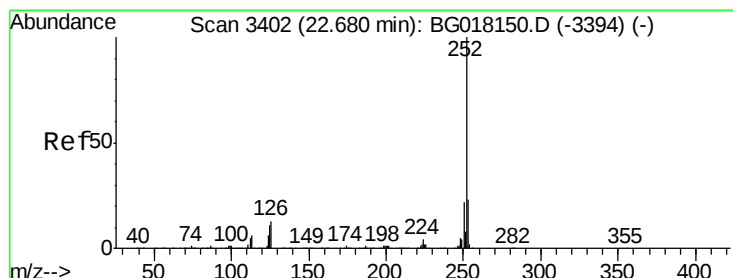
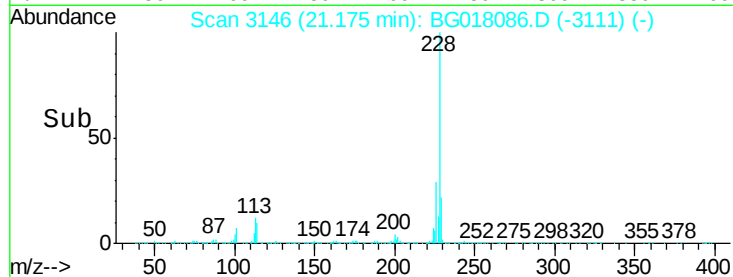
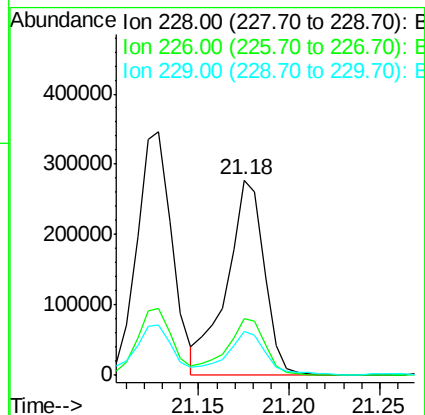
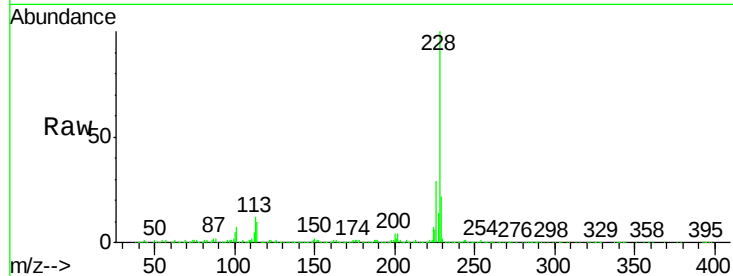
ClientSampleId :

C02D9

Tgt Ion:	228	Resp:	396222
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.9	34.3
229	22.2	15.6	23.4

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#88

Benzo(b)fluoranthene

Concen: 15.60 ng/ul

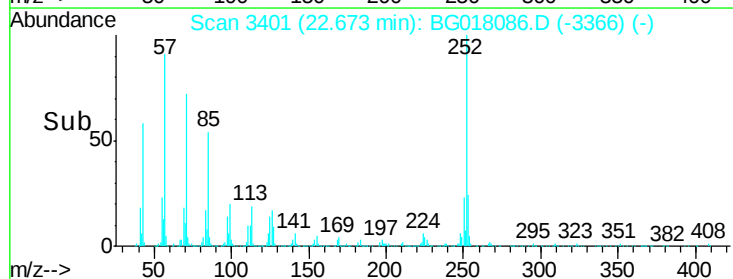
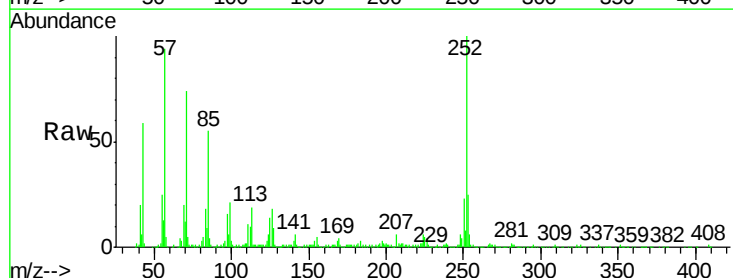
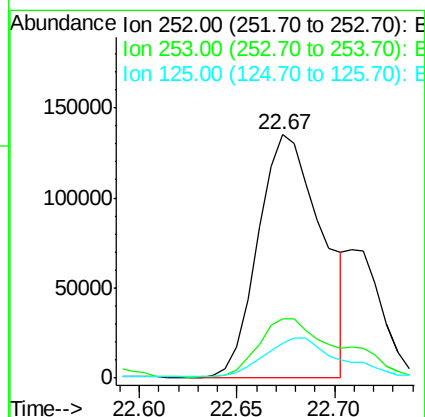
RT: 22.67 min Scan# 3401

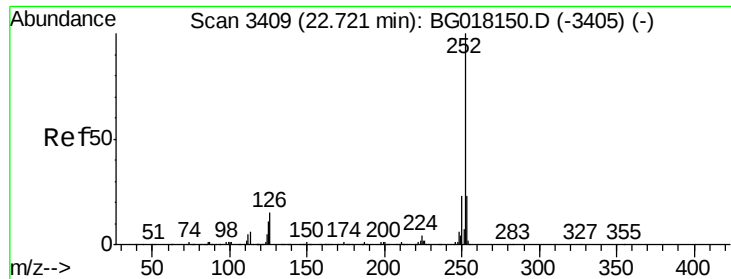
Delta R.T. 0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Tgt Ion:	252	Resp:	305017
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.5	27.7
125	14.3	9.1	13.7#





#89

Benzo(k)fluoranthene

Concen: 4.64 ng/ul m

RT: 22.71 min Scan# 3407

Delta R.T. -0.00 min

Lab File: BG018086.D

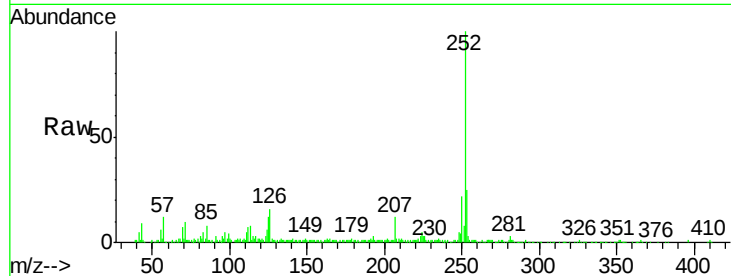
Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

ClientSampleId :

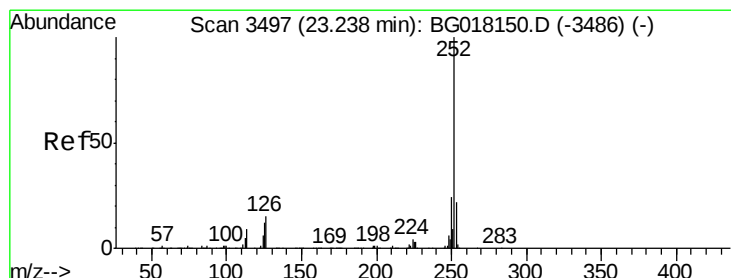
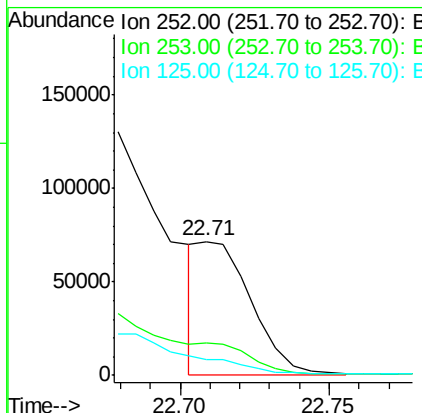
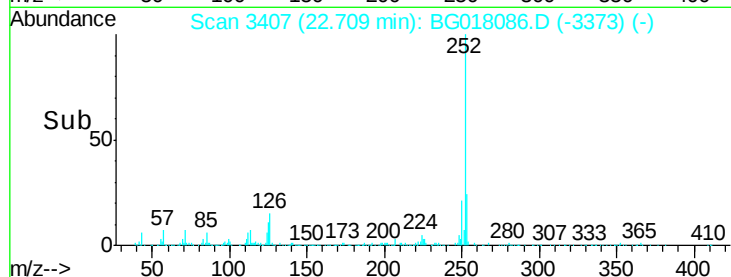
C02D9



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	11.8	9.3	13.9

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#91

Benzo(a)pyrene

Concen: 9.12 ng/ul

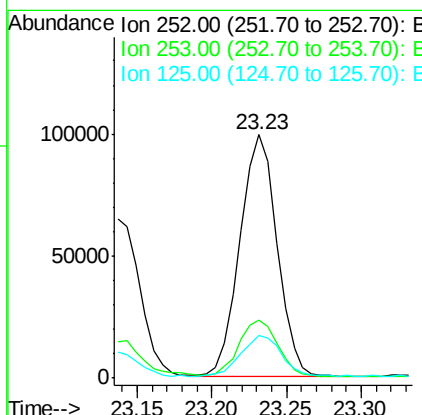
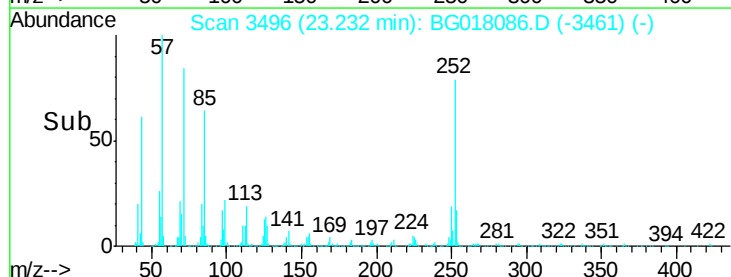
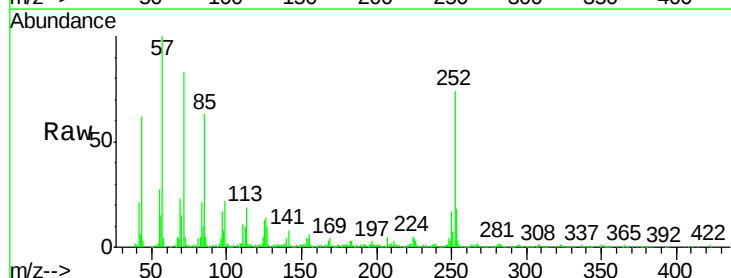
RT: 23.23 min Scan# 3496

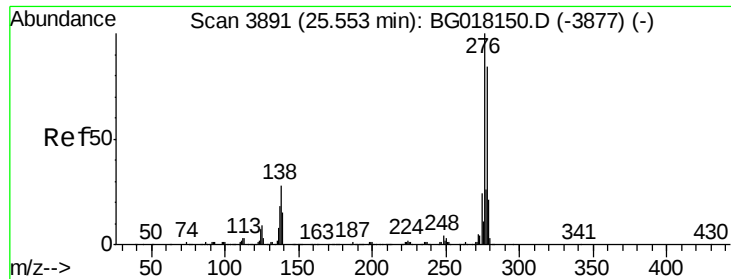
Delta R.T. 0.00 min

Lab File: BG018086.D

Acq: 24 Jul 2015 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	17.3	10.2	15.2#





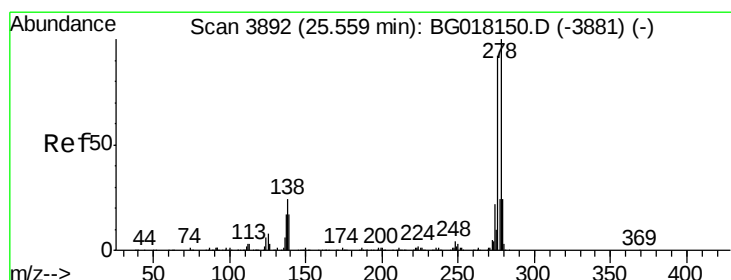
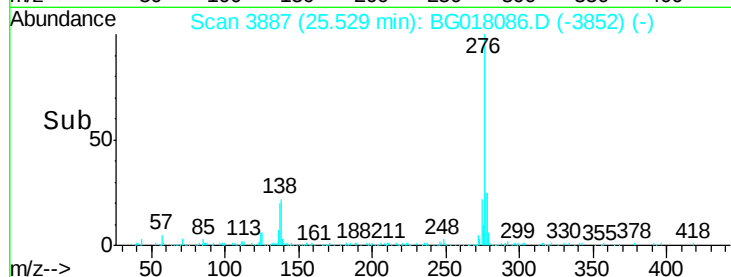
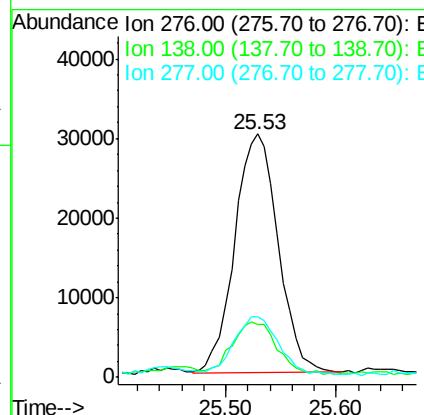
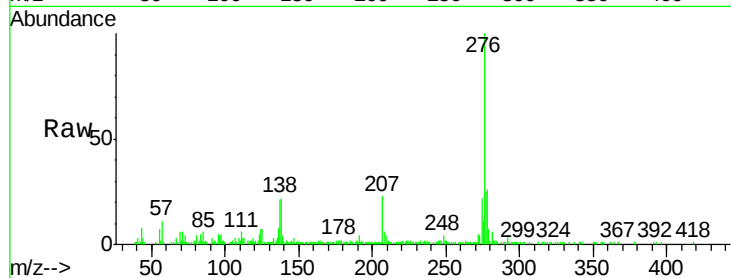
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.78 ng/ul
 RT: 25.53 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Instrument :
 BNA_G
 ClientSampleId :
 C02D9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.6	33.8#
277	25.1	19.8	29.8

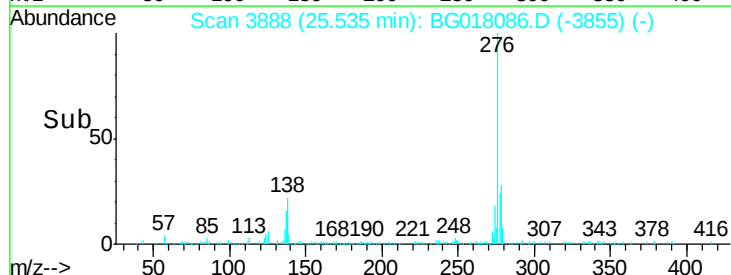
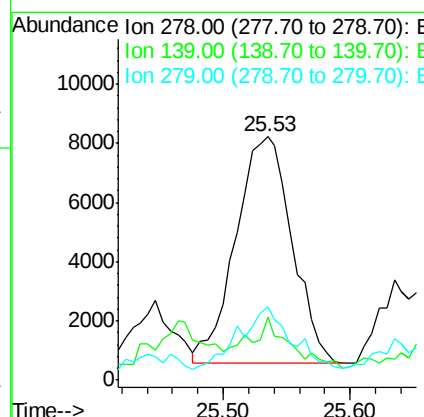
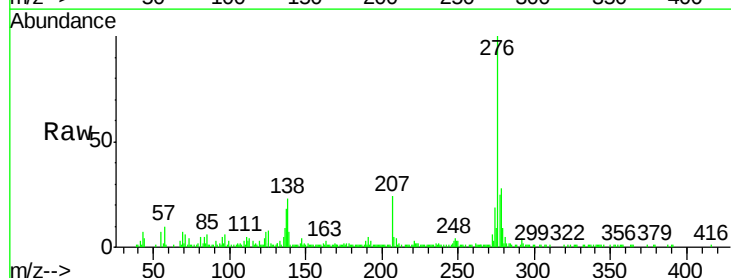
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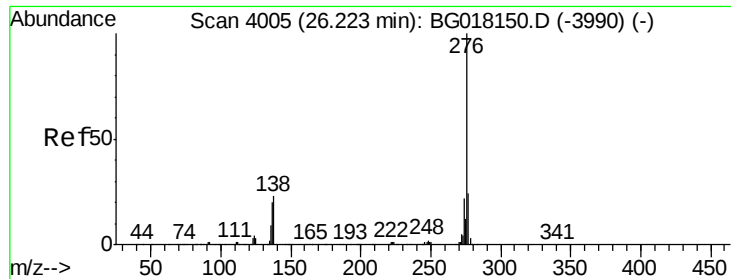
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.27 ng/ul
 RT: 25.53 min Scan# 3888
 Delta R.T. -0.01 min
 Lab File: BG018086.D
 Acq: 24 Jul 2015 3:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	13.7	20.5#
279	30.2	18.1	27.1#





#94

Benzo(g,h,i)perylene

Concen: 2.41 ng/ul

RT: 26.20 min Scan# 4002

Delta R.T. 0.00 min

Lab File: BG018086.D

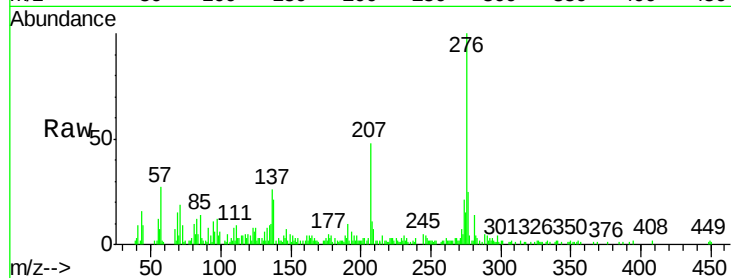
Acq: 24 Jul 2015 3:52

Instrument :

BNA_G

ClientSampleId :

C02D9



Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.8	28.2
277	24.9	19.3	28.9

Manual Integrations
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