

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072715\
 Data File : BG018155.D
 Acq On : 28 Jul 2015 20:22
 Operator : TP/UM
 Sample : G3030-03
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01M0

Manual Integrations
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 7/29/2015 1:21:04 PM

Quant Time: Aug 10 11:05:38 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	43431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	193810	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	118418	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	237825	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	269474	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	282165	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2794	4.02	ng/uL	0.01
5) Phenol-d5	6.70	99	73572	21.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	35419	21.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	71650	24.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	64769	21.80	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	36732	23.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	42093	26.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	72347	25.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	62630	19.12	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	210951	25.37	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	255758	25.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	31392	17.95	ng/ul	0.00
58) Fluorene-d10	15.18	176	180493	23.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	14602	9.60	ng/ul	0.00
71) Anthracene-d10	17.04	188	250599	24.33	ng/ul	0.00
79) Pyrene-d10	19.36	212	264680	21.44	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.22	264	279462	20.75	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.34	128	44429	4.89 ng/ul	98
34) 2-Methylnaphthalene	11.97	142	27113	3.95 ng/ul	94
41) 1,1'-Biphenyl	13.01	154	9917	1.22 ng/ul#	97
45) Dimethylphthalate	13.64	163	107021	12.79 ng/ul	98
50) Acenaphthene	14.25	153	163727	23.31 ng/ul	99
54) Dibenzofuran	14.58	168	92465	9.26 ng/ul	96
59) Fluorene	15.24	166	146253	17.02 ng/ul	98
70) Phenanthrene	16.99	178	1660415	138.95 ng/ul	93
72) Anthracene	17.08	178	471655	38.87 ng/ul	99
75) Carbazole	17.35	167	189044	17.98 ng/ul	99
76) Di-n-butylphthalate	17.93	149	197281	14.26 ng/ul	99
77) Fluoranthene	19.03	202	2219760	174.38 ng/ul	96
80) Pyrene	19.39	202	1997671	129.45 ng/ul	97
81) Butylbenzylphthalate	20.30	149	29259	4.64 ng/ul	95
83) Benzo(a)anthracene	21.14	228	1291541	90.62 ng/ul	91
84) Bis(2-ethylhexyl)phthalate	21.08	149	127857m	14.13 ng/ul	
85) Chrysene	21.19	228	1285540	95.79 ng/ul#	90
88) Benzo(b)fluoranthene	22.70	252	1651806	106.85 ng/ul	96
89) Benzo(k)fluoranthene	22.74	252	635674m	42.49 ng/ul	
91) Benzo(a)pyrene	23.27	252	1186674	79.26 ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.58	276	779146	45.11 ng/ul#	92
93) Dibenz(a,h)anthracene	25.58	278	227793	15.45 ng/ul#	77
94) Benzo(g,h,i)perylene	26.27	276	664249	46.54 ng/ul	97

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

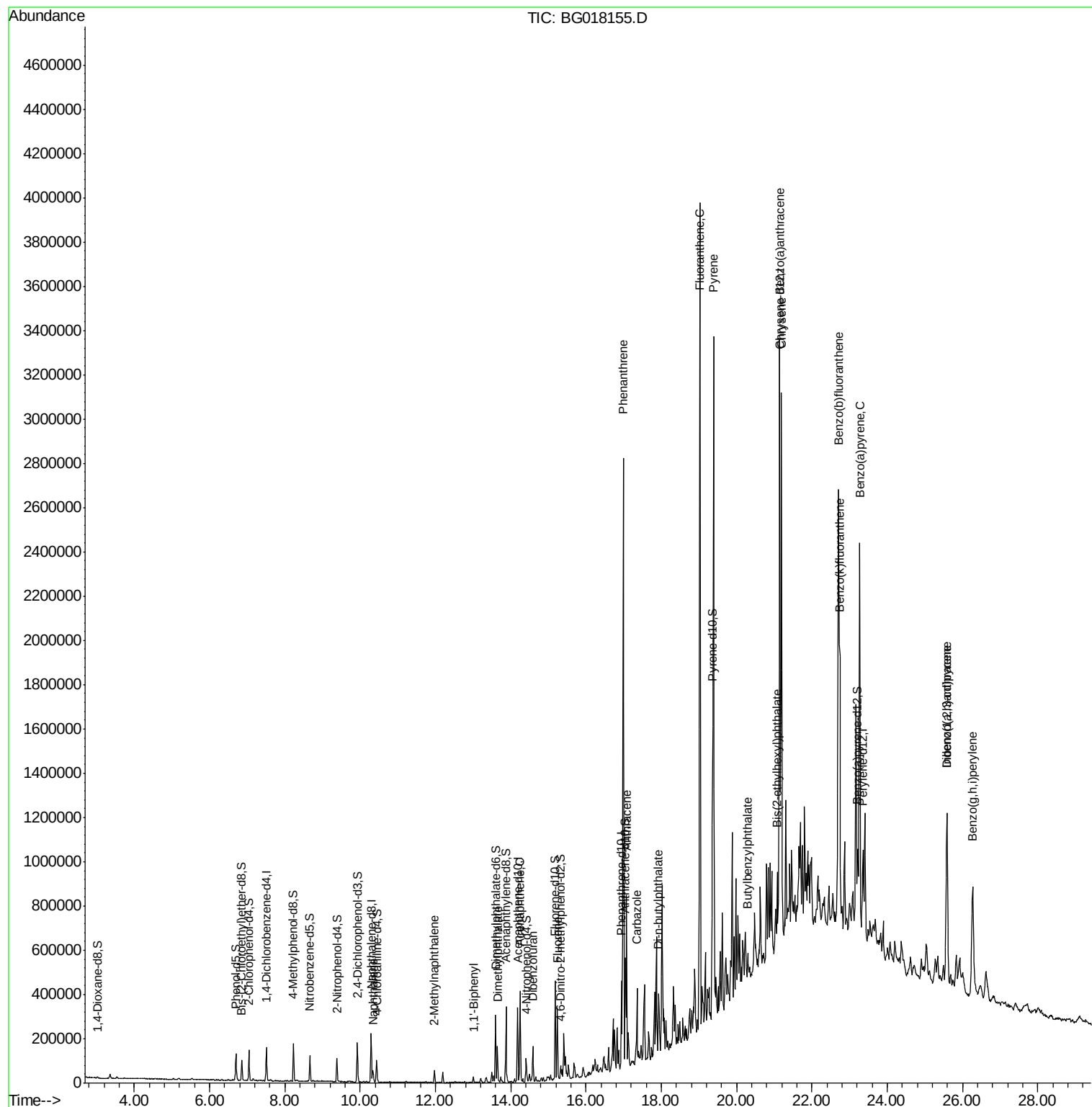
Data Path : Z:\HPCHEM1\BNA G\DATA\BG072715\
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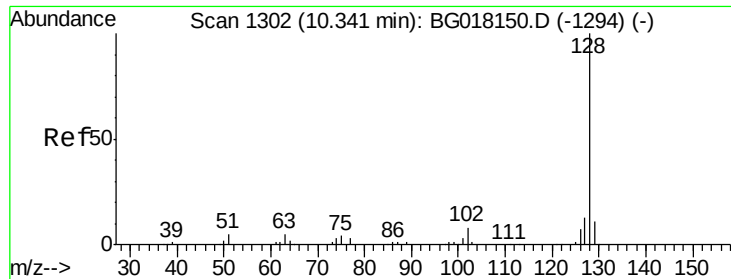
Instrument :
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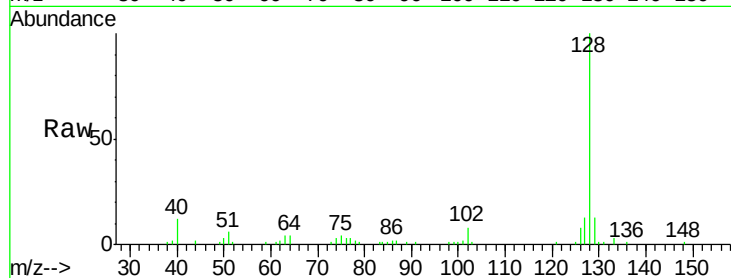
#28
Naphthalene
Concen: 4.89 ng/ul
RT: 10.34 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Instrument :
BNA_G
ClientSampleId :
C01M0

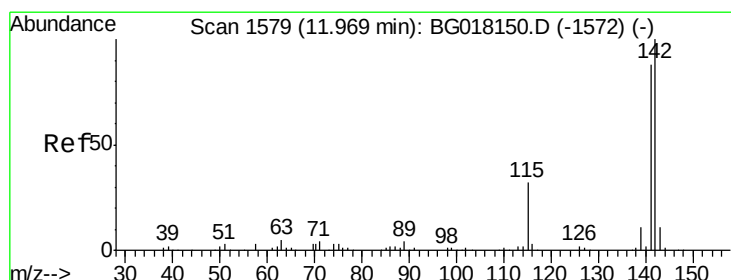
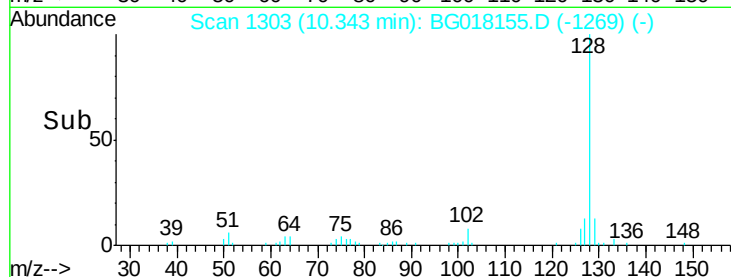
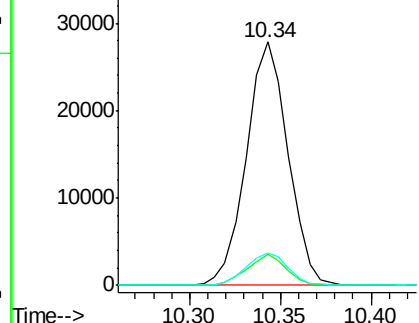
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.5	14.3
127	13.4	10.1	15.1

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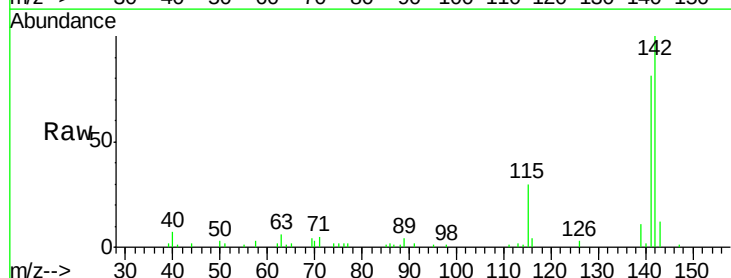


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

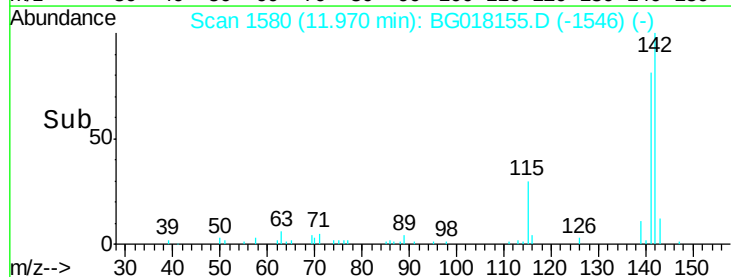
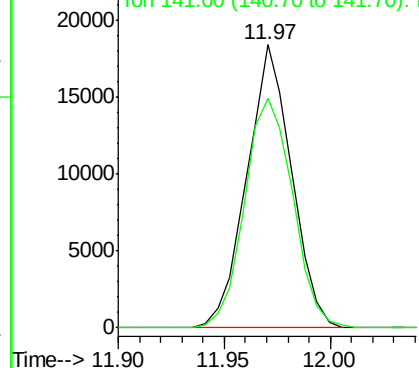


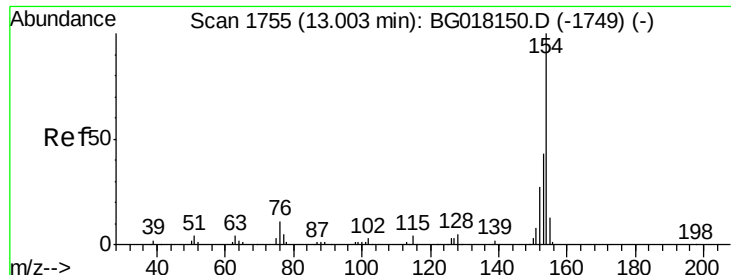
#34
2-Methylnaphthalene
Concen: 3.95 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.3	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: 1.22 ng/ul

RT: 13.01 min Scan# 1757

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

ClientSampleId :

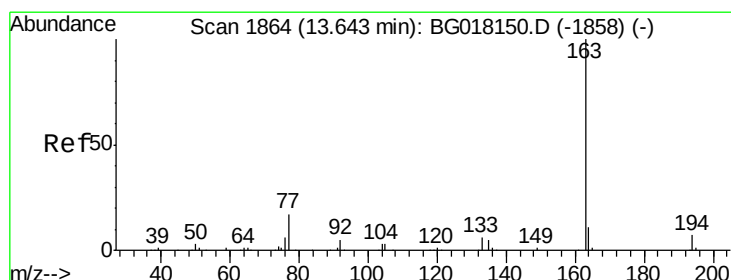
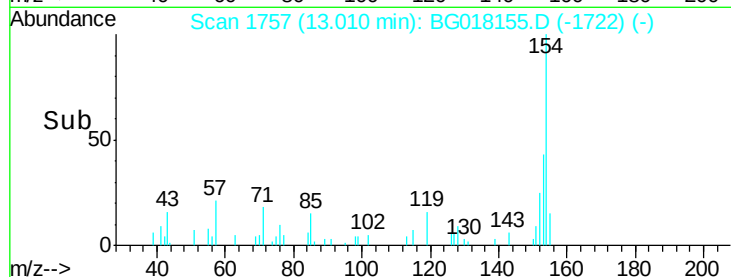
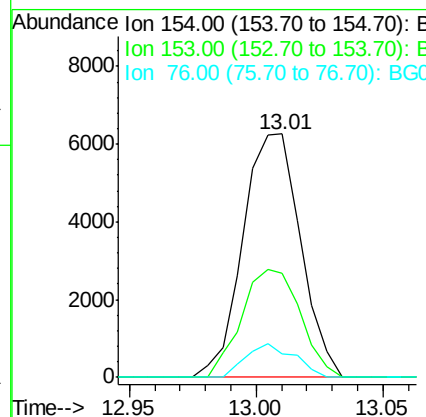
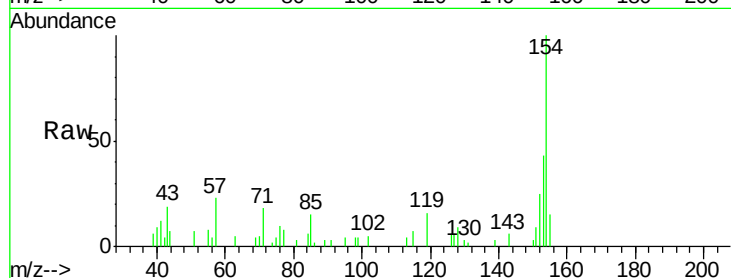
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Tot Ion:	154	Resp:	9917
Ion Ratio	Lower	Upper	
154	100		
153	42.9	33.1	49.7
76	9.5	9.7	14.5

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#45

Dimethylphthalate

Concen: 12.79 ng/ul

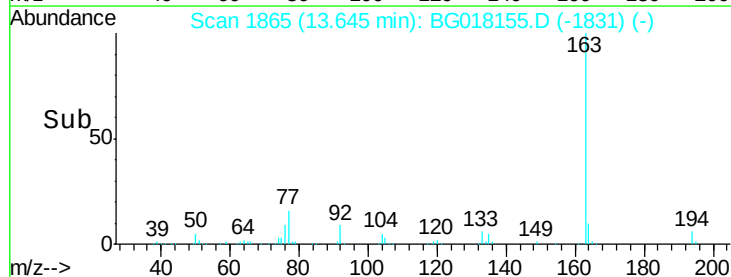
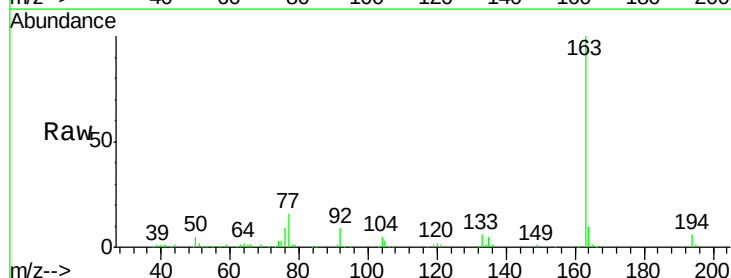
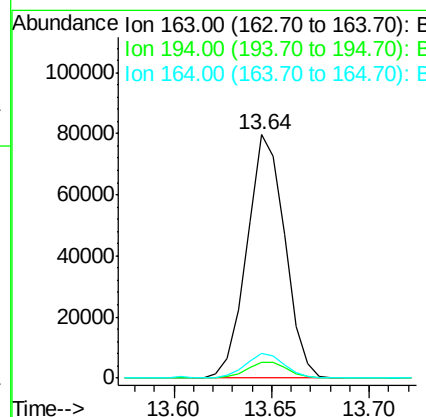
RT: 13.64 min Scan# 1865

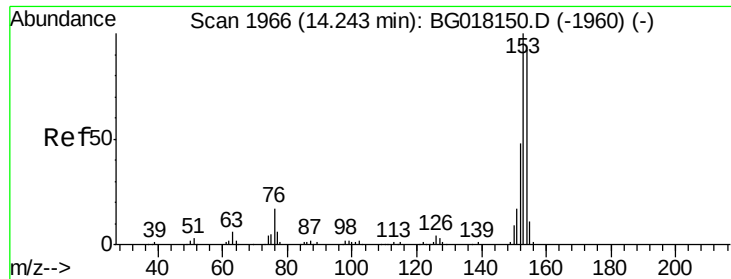
Delta R.T. 0.00 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tgt Ion:	163	Resp:	107021
Ion Ratio	Lower	Upper	
163	100		
194	6.3	5.4	8.2
164	9.9	8.7	13.1





#50

Acenaphthene

Concen: 23.31 ng/ul

RT: 14.25 min Scan# 1968

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

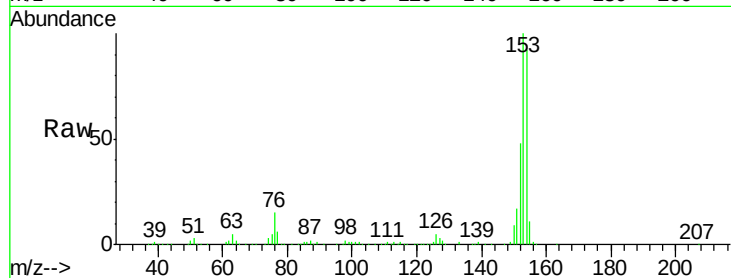
ClientSampleId :

C01M0

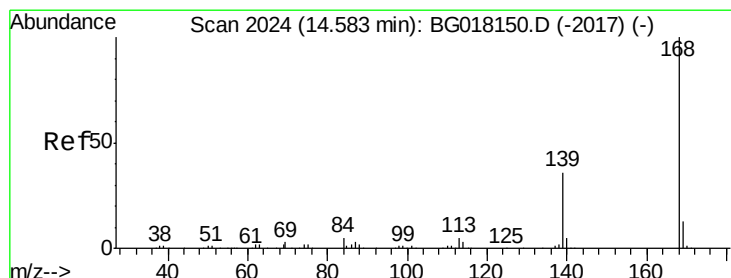
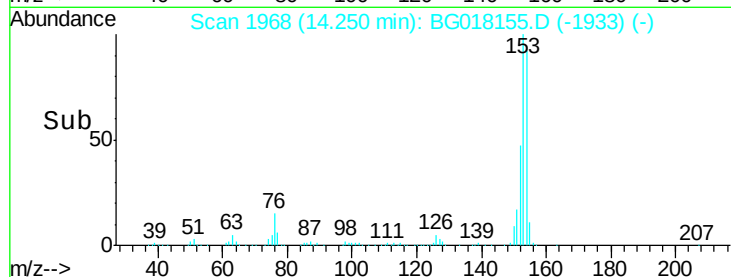
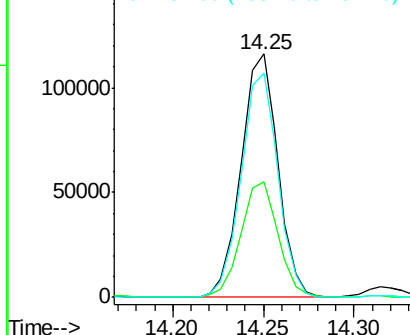
Tot Ion:	153	Resp:	163727
Ion Ratio	Lower	Upper	
153	100		
152	47.6	38.9	58.3
154	92.0	72.6	108.8

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



#54

Dibenzofuran

Concen: 9.26 ng/ul

RT: 14.58 min Scan# 2025

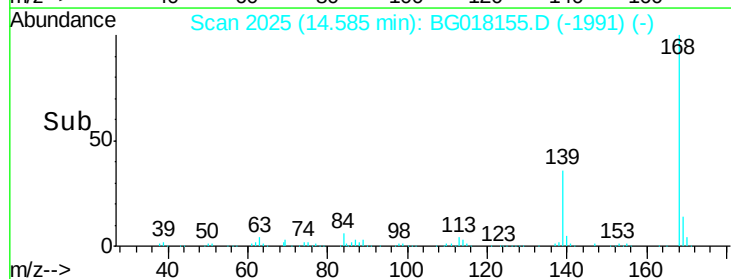
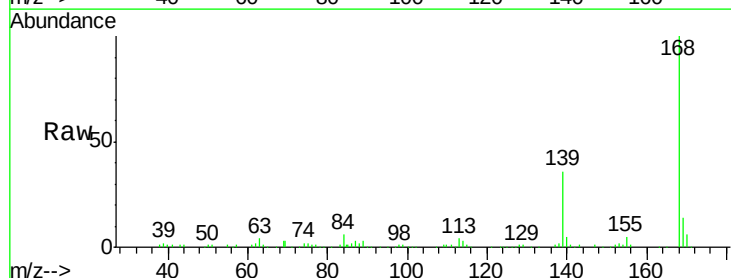
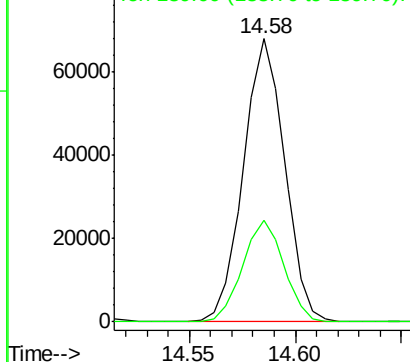
Delta R.T. 0.00 min

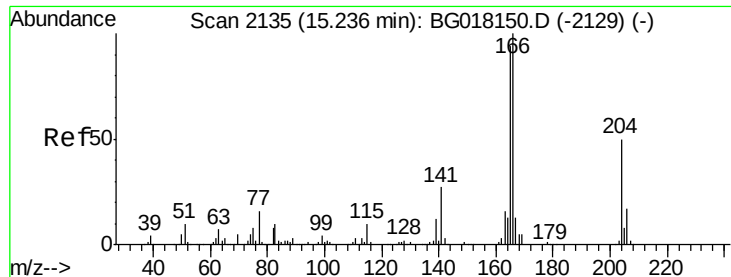
Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tgt Ion:	168	Resp:	92465
Ion Ratio	Lower	Upper	
168	100		
139	35.8	30.6	46.0

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





#59

Fluorene

Concen: 17.02 ng/ul

RT: 15.24 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

ClientSampleId :

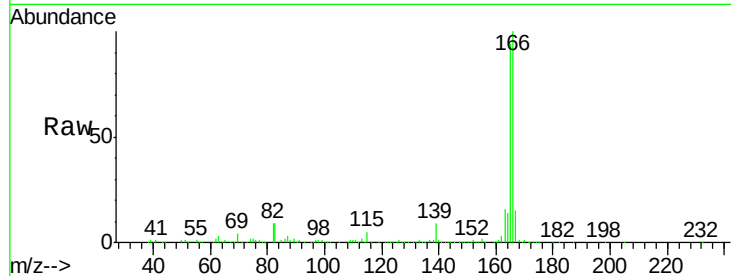
C01M0

Tot Ion:	166	Resp:	146253
Ion Ratio	Lower	Upper	
166	100		
165	93.8	73.6	110.4
167	14.6	10.8	16.2

Manual Integrations
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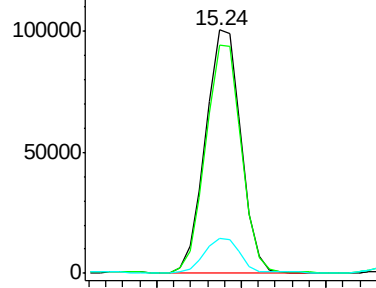
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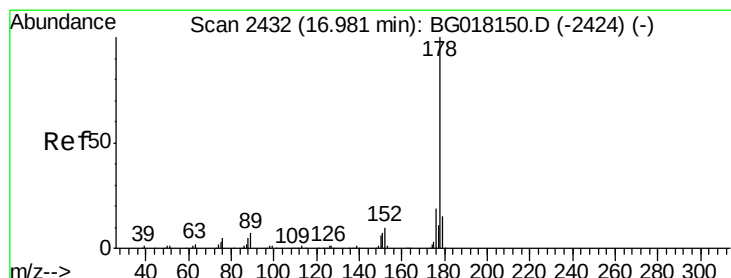
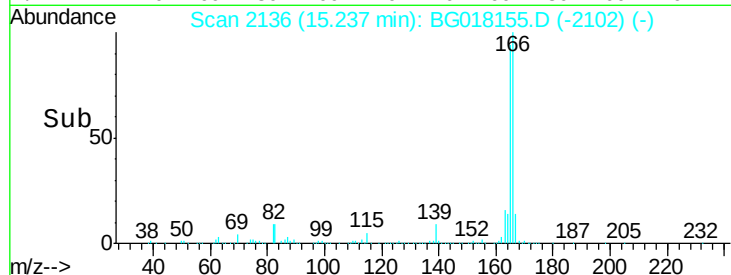
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#70

Phenanthrene

Concen: 138.95 ng/ul

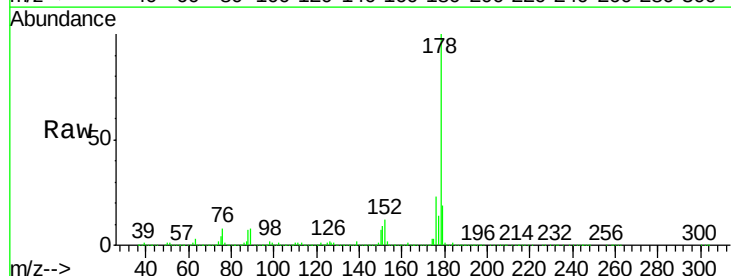
RT: 16.99 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

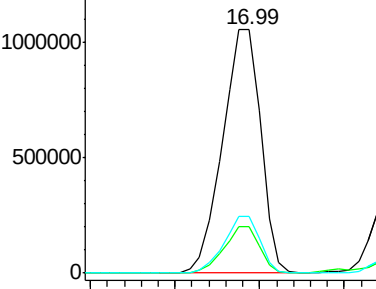
Tgt Ion:	178	Resp:	1660415
Ion Ratio	Lower	Upper	
178	100		
179	18.9	13.0	19.6
176	23.5	15.8	23.8



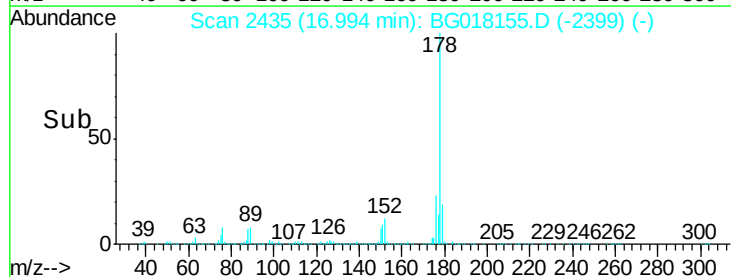
Abundance Ion 178.00 (177.70 to 178.70): E

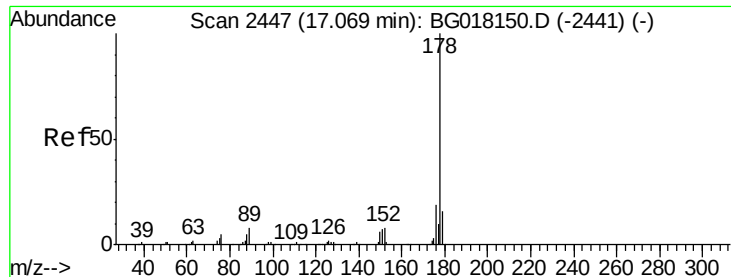
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Anthracene

Concen: 38.87 ng/ul

RT: 17.08 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

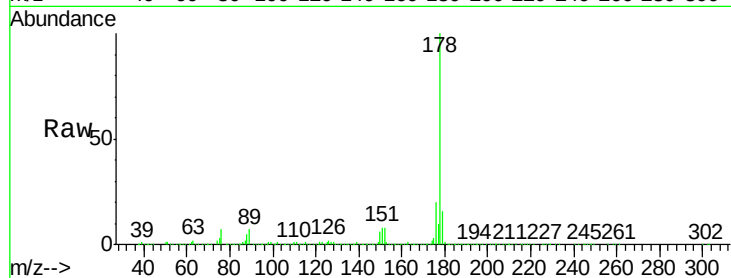
ClientSampleId :

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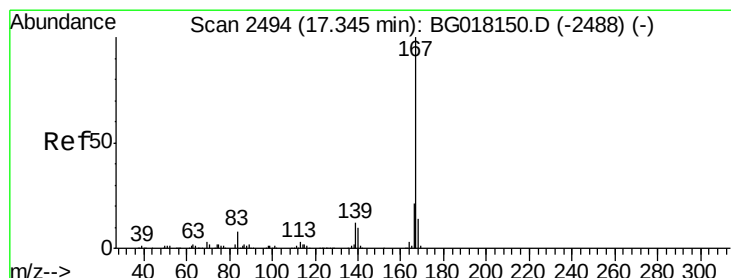
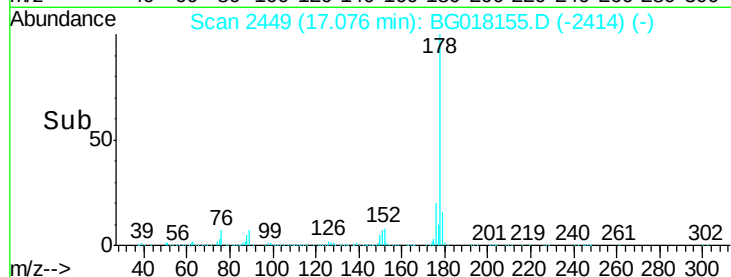
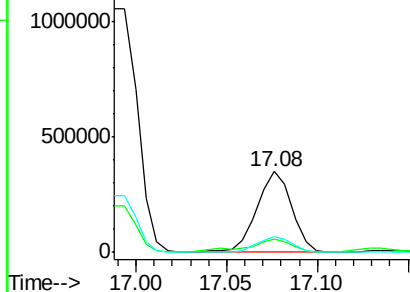
Tot Ion:	178	Resp:	471655
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.4	18.6
176	19.8	15.8	23.8

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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



#75

Carbazole

Concen: 17.98 ng/ul

RT: 17.35 min Scan# 2496

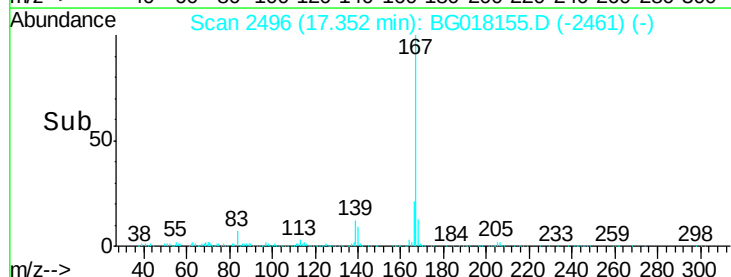
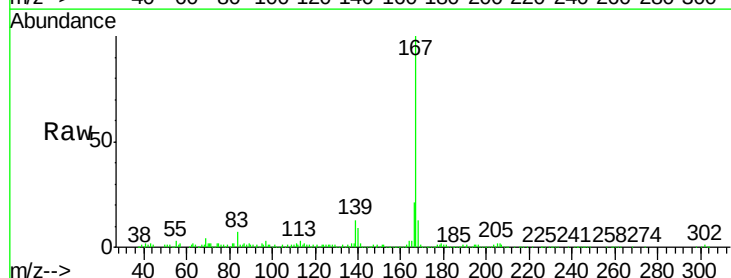
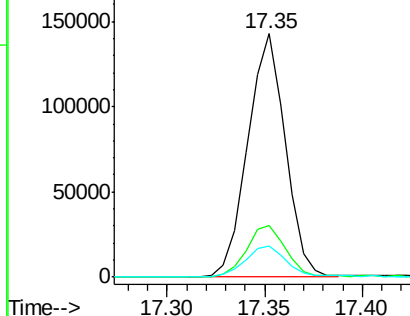
Delta R.T. 0.01 min

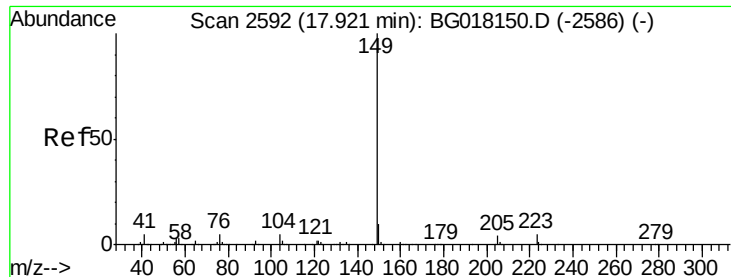
Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tgt Ion:	167	Resp:	189044
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.4	26.2
139	12.6	10.6	15.8

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 14.26 ng/ul

RT: 17.93 min Scan# 2594

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

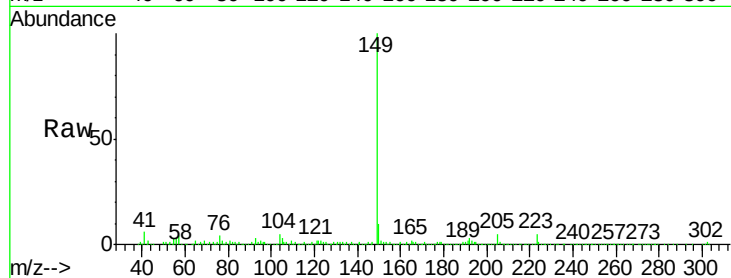
ClientSampleId :

C01M0

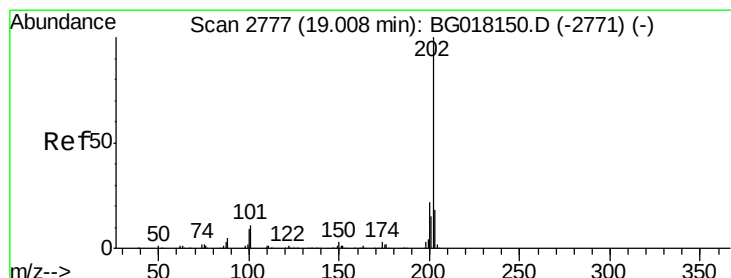
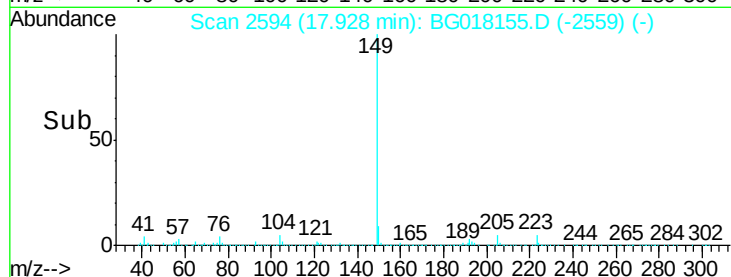
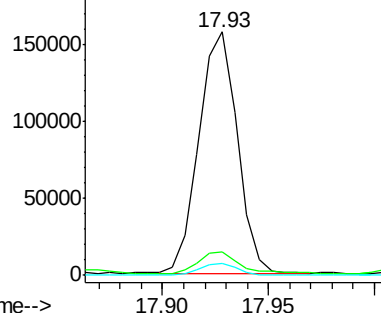
Tot Ion:	149	Resp:	197281
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.4	11.0
104	4.7	3.8	5.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 174.38 ng/ul

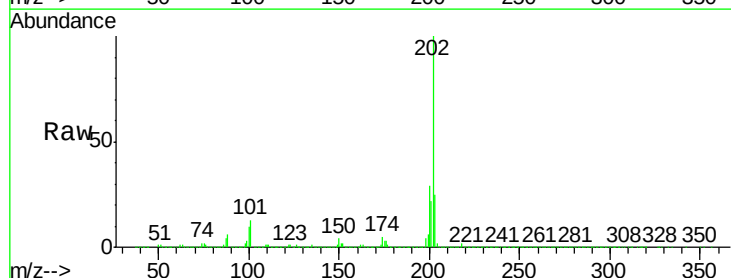
RT: 19.03 min Scan# 2781

Delta R.T. 0.02 min

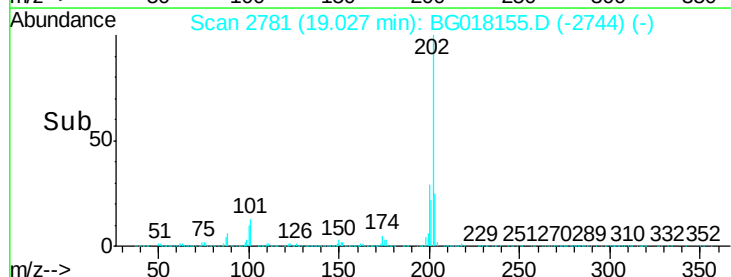
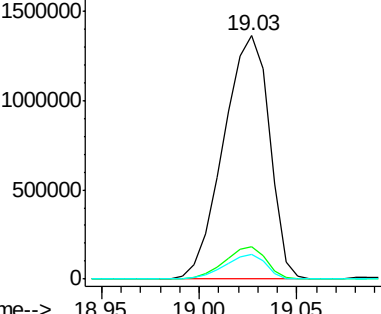
Lab File: BG018155.D

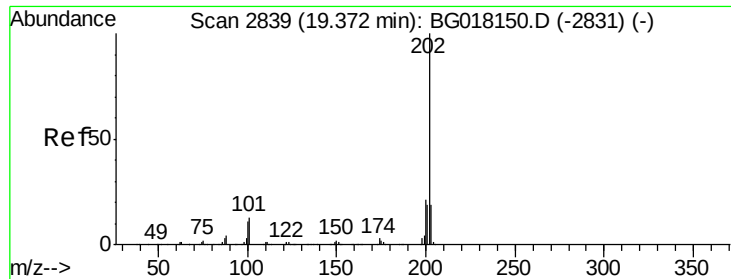
Acq: 28 Jul 2015 20:22

Tgt Ion:	202	Resp:	2219760
Ion Ratio	Lower	Upper	
202	100		
101	13.1	9.1	13.7
100	10.3	7.5	11.3



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





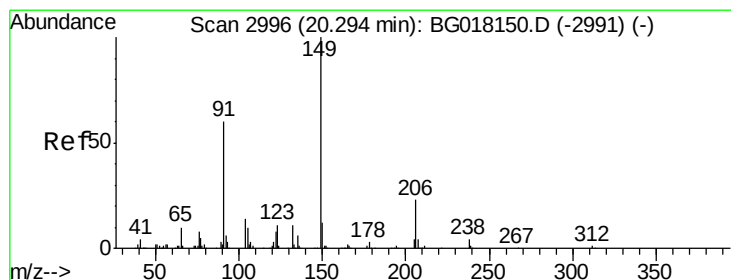
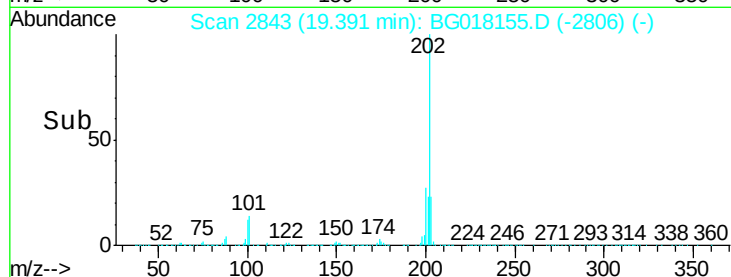
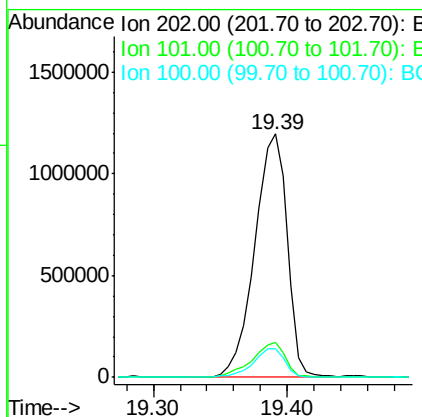
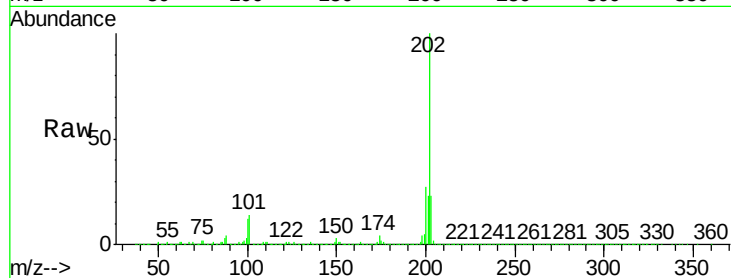
#80
Pvrene
Concen: 129.45 ng/ul
RT: 19.39 min Scan# 2843
Delta R.T. 0.02 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Instrument :
BNA_G
ClientSampleId :
C01M0

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.9	16.3
100	12.0	8.5	12.7

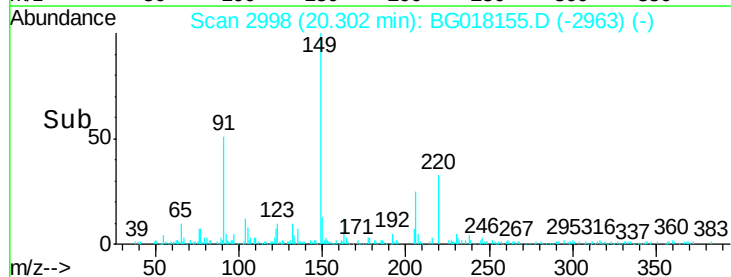
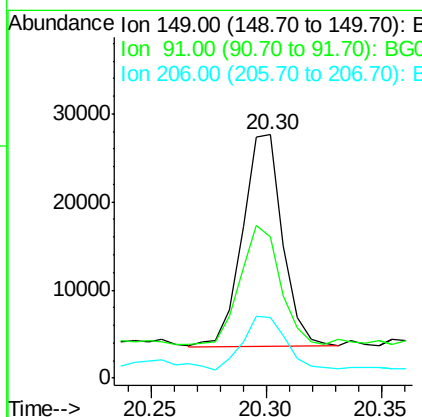
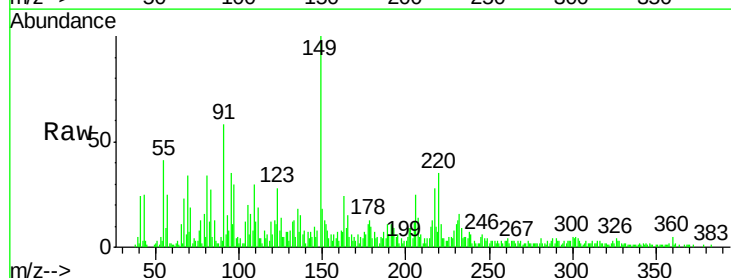
Manual Integrations
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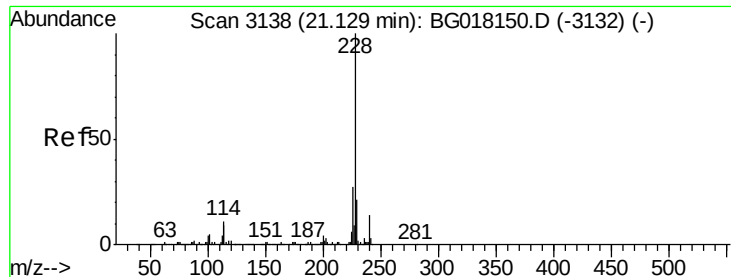
apatel
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#81
Butylbenzylphthalate
Concen: 4.64 ng/ul
RT: 20.30 min Scan# 2998
Delta R.T. 0.01 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Tgt Ion	Ratio	Lower	Upper
149	100		
91	58.2	51.1	76.7
206	25.1	19.9	29.9





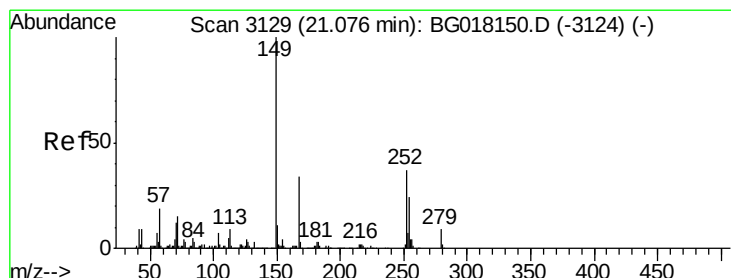
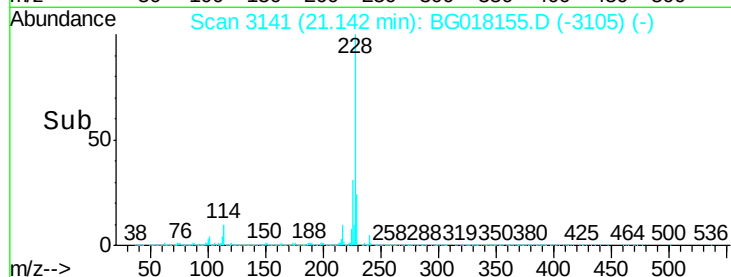
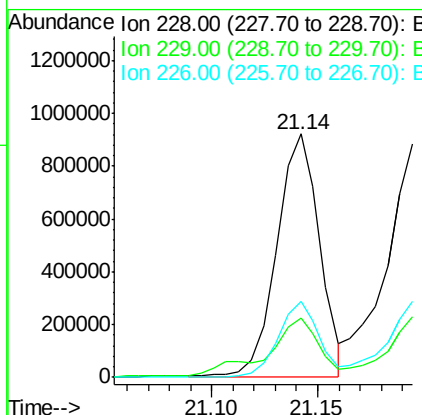
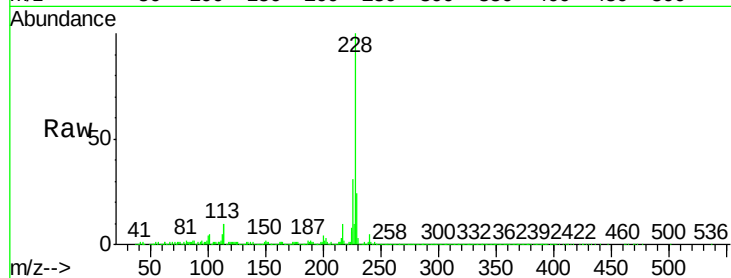
#83
Benzo(a)anthracene
Concen: 90.62 ng/ul
RT: 21.14 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Instrument :
BNA_G
ClientSampleId :
C01M0

Tot Ion	Ratio	Lower	Upper
228	100		
229	24.2	16.6	24.8
226	31.3	21.1	31.7

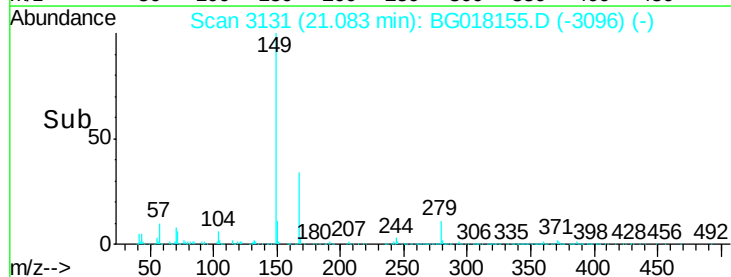
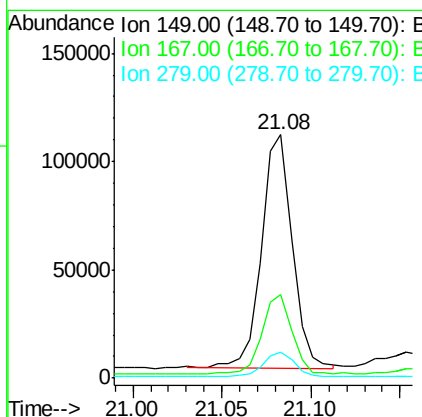
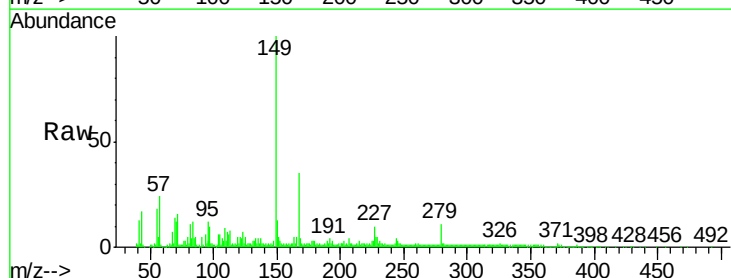
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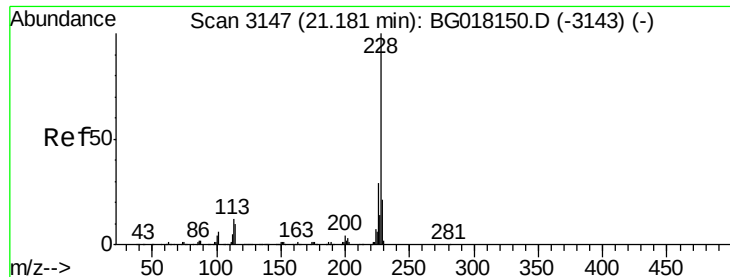
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#84
Bis(2-ethylhexyl)phthalate
Concen: 14.13 ng/ul m
RT: 21.08 min Scan# 3131
Delta R.T. 0.01 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	34.6	26.2	39.4
279	10.9	7.2	10.8#





#85

Chrysene

Concen: 95.79 ng/ul

RT: 21.19 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

ClientSampleId :

C01M0

Tot Ion:228 Resp: 1285540

Ion Ratio Lower Upper

228 100

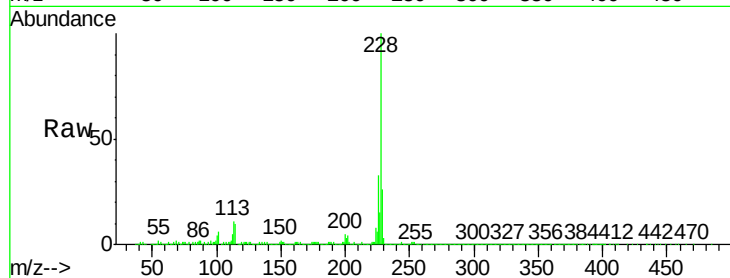
226 32.7 22.9 34.3

229 25.8 15.6 23.4#

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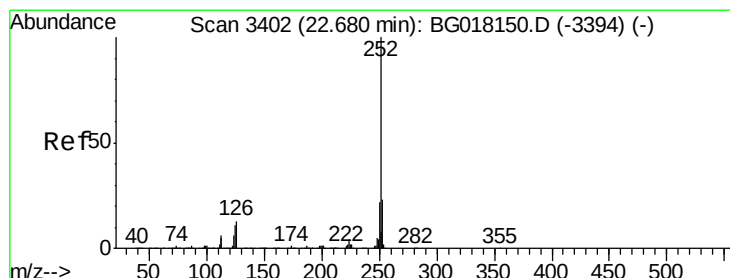
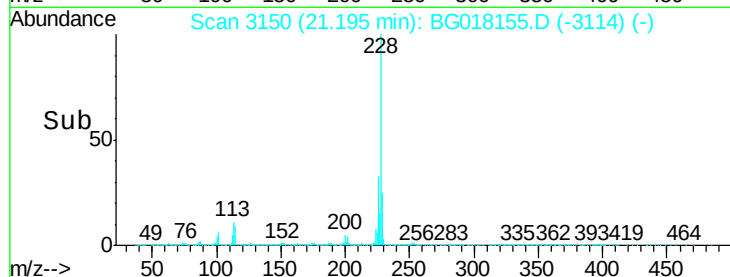
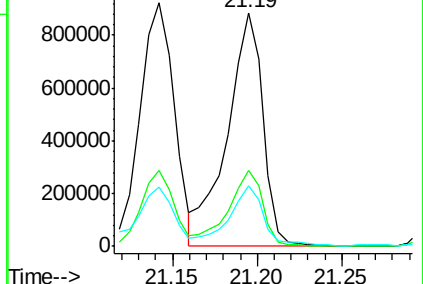
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 106.85 ng/ul

RT: 22.70 min Scan# 3407

Delta R.T. 0.03 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tgt Ion:252 Resp: 1651806

Ion Ratio Lower Upper

252 100

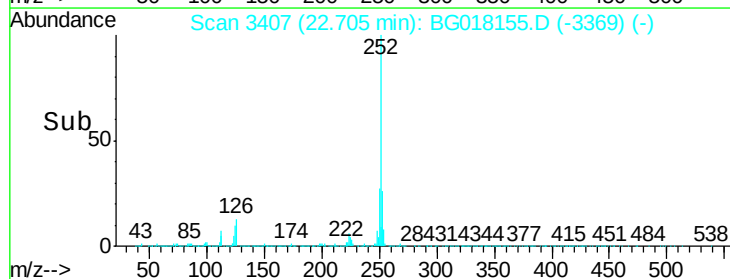
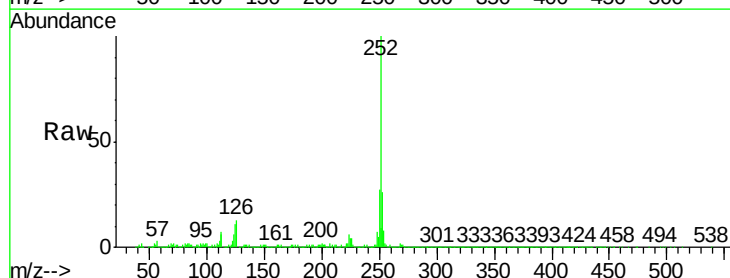
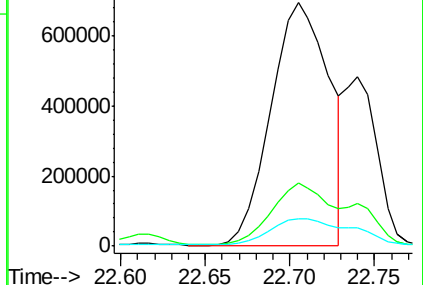
253 26.0 18.5 27.7

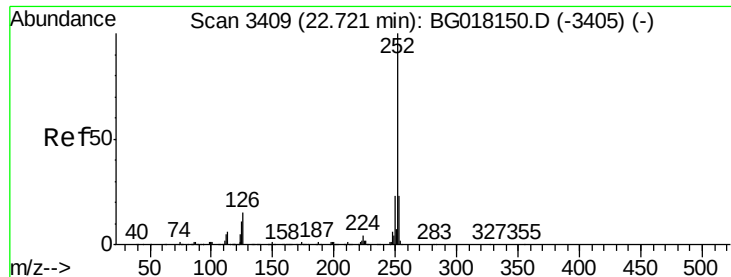
125 11.3 9.1 13.7

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





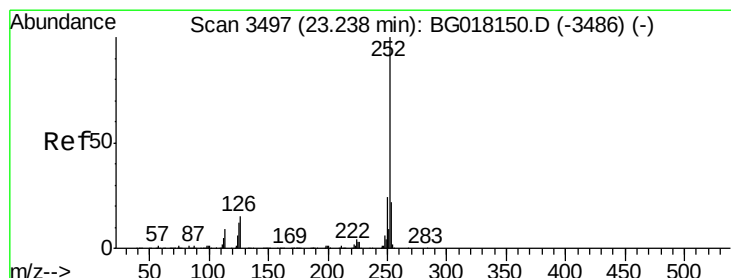
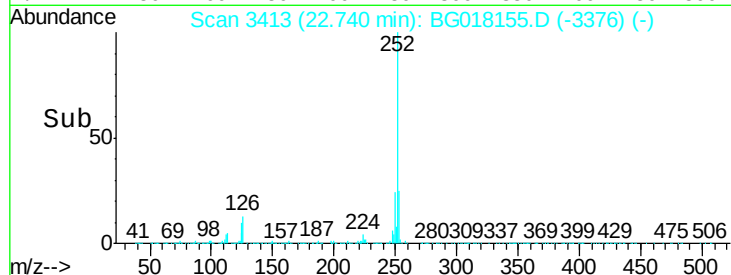
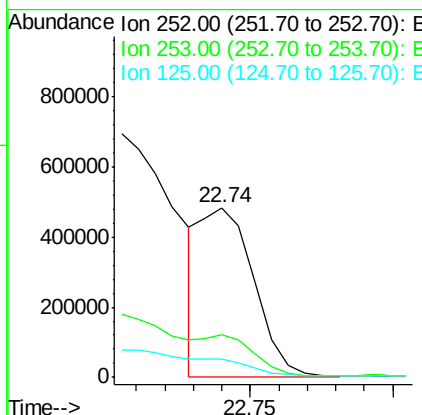
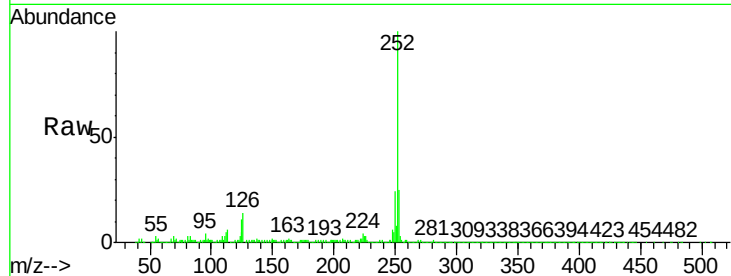
#89
Benzo(k)fluoranthene
Concen: 42.49 ng/ul m
RT: 22.74 min Scan# 3413
Delta R.T. 0.02 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Instrument :
BNA_G
ClientSampleId :
C01M0

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	10.9	9.3	13.9

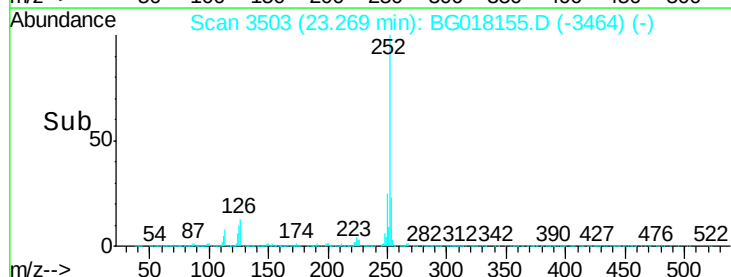
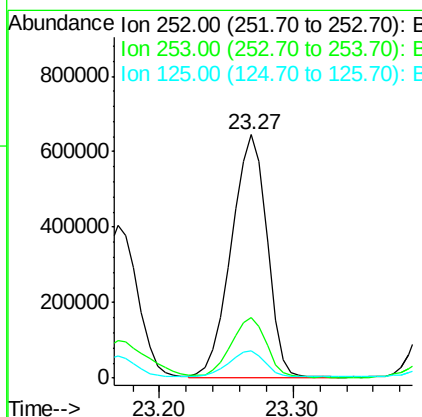
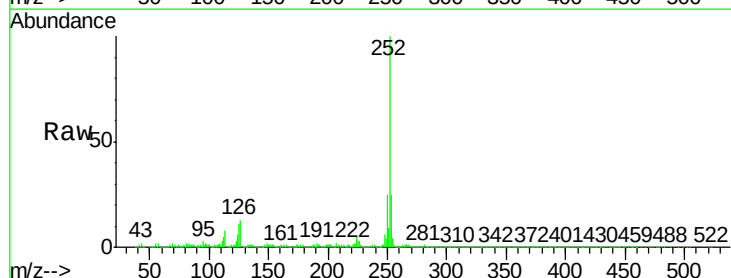
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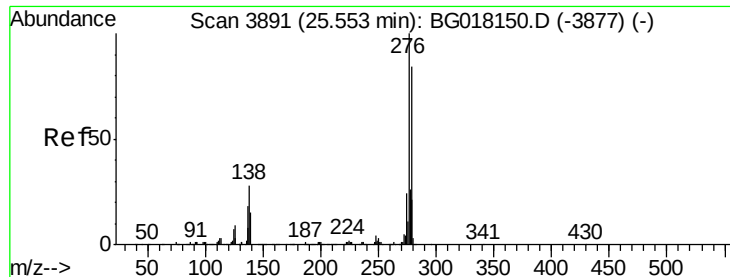
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#91
Benzo(a)pyrene
Concen: 79.26 ng/ul
RT: 23.27 min Scan# 3503
Delta R.T. 0.03 min
Lab File: BG018155.D
Acq: 28 Jul 2015 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	11.3	10.2	15.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 45.11 ng/ul

RT: 25.58 min Scan# 3897

Delta R.T. 0.03 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Instrument :

BNA_G

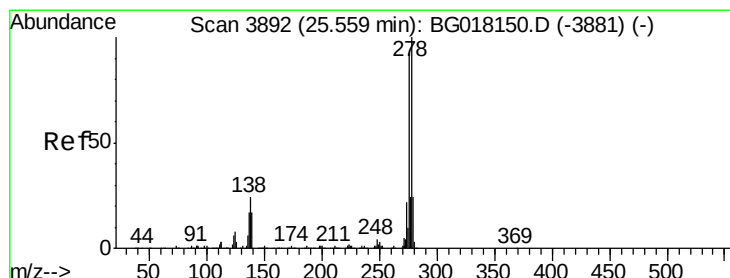
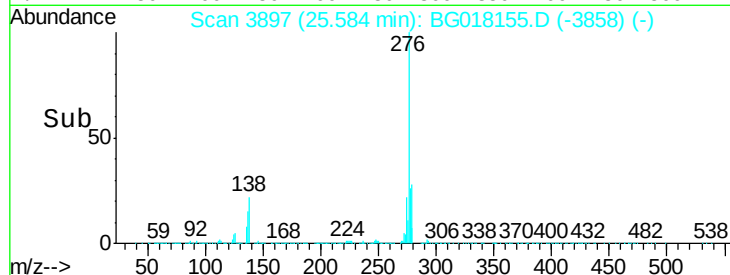
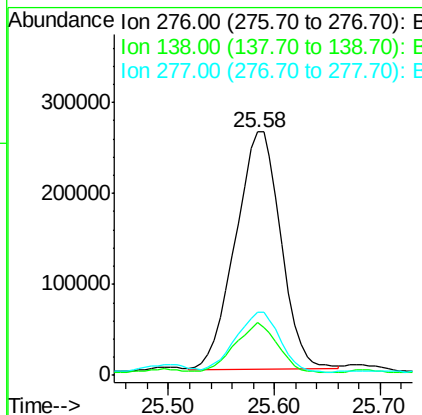
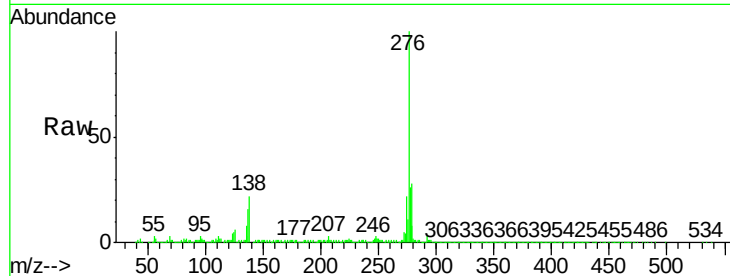
ClientSampleId :

C01M0

Tot Ion:	276	Resp:	779146
Ion Ratio	Lower	Upper	
276	100		
138	21.6	22.6	33.8#
277	26.1	19.8	29.8

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#93

Dibenzo(a,h)anthracene

Concen: 15.45 ng/ul

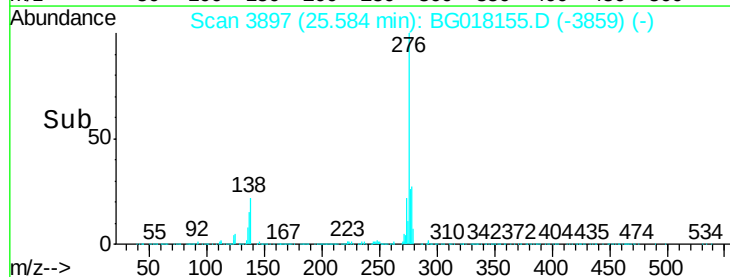
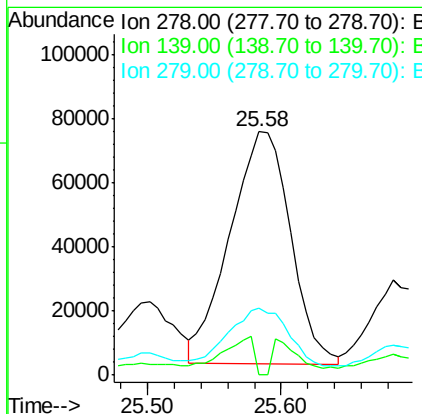
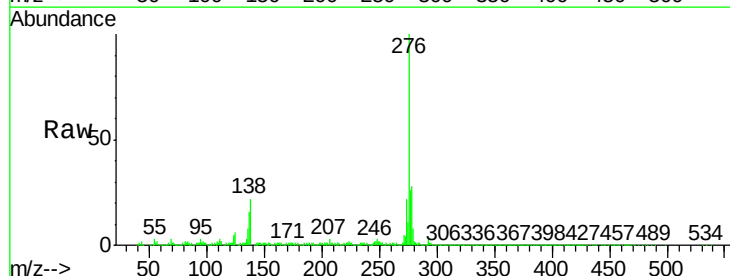
RT: 25.58 min Scan# 3897

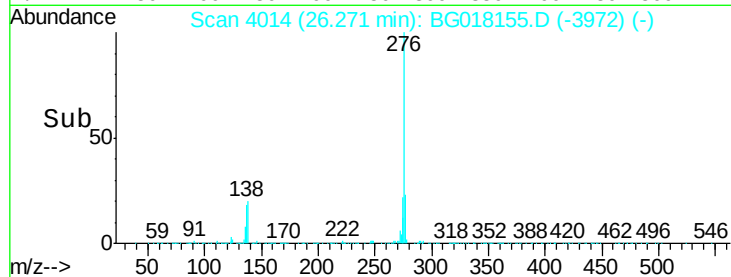
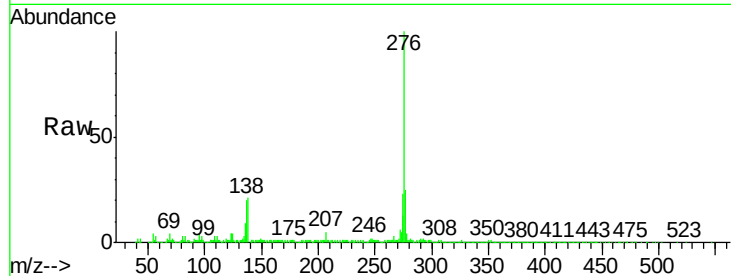
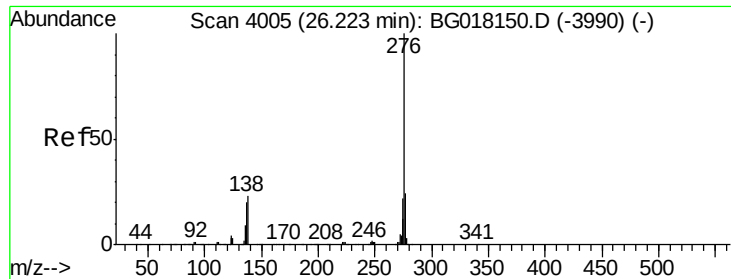
Delta R.T. 0.03 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tgt Ion:	278	Resp:	227793
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5#
279	27.5	18.1	27.1#





#94

Benzo(a,h,i)perylene

Concen: 46.54 ng/ul

RT: 26.27 min Scan# 4014

Delta R.T. 0.05 min

Lab File: BG018155.D

Acq: 28 Jul 2015 20:22

Tot Ion:	276	Resp:	664249
Ion Ratio	Lower	Upper	
276	100		
138	21.2	18.8	28.2
277	25.2	19.3	28.9

Instrument :

BNA_G

ClientSampleId :

C01M0

Manual Integrations
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