

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018207.D
 Acq On : 1 Aug 2015 6:58
 Operator : TP/UM
 Sample : G3065-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G7

Manual Integrations
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MMDadoda
 8/4/2015 12:23:28 PM

Quant Time: Aug 03 02:06:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	75648	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	345822	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	202384	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	331300	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	350703	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	376384	20.00	ng/ul	0.03

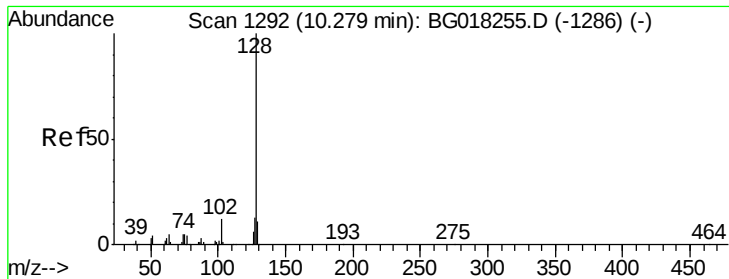
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2423	2.42	ng/uL	0.00
5) Phenol-d5	6.68	99	97838	14.38	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	50098	14.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	78017	15.19	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	64595	11.66	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	43688	16.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	44646	14.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	83743	15.16	ng/ul	0.01
29) 4-Chloroaniline-d4	10.41	131	31921	4.64	ng/ul	0.01
44) Dimethylphthalate-d6	13.57	166	247859	15.85	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	277490	15.30	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	24803	8.57	ng/ul	0.02
58) Fluorene-d10	15.16	176	182620	12.90	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	947	0.41	ng/ul	0.01
71) Anthracene-d10	17.02	188	193465	13.43	ng/ul	0.01
79) Pyrene-d10	19.33	212	185256	10.92	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	203161	10.67	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.32	128	41760	2.51	ng/ul	96
45) Dimethylphthalate	13.62	163	114389	7.35	ng/ul	98
50) Acenaphthene	14.22	153	57744	4.92	ng/ul	98
54) Dibenzofuran	14.56	168	39506	2.24	ng/ul#	84
59) Fluorene	15.22	166	46793	3.07	ng/ul	98
70) Phenanthrene	16.96	178	497192	29.54	ng/ul	99
72) Anthracene	17.05	178	128874	7.70	ng/ul	100
75) Carbazole	17.33	167	48610	3.49	ng/ul	98
77) Fluoranthene	18.99	202	625606	33.84	ng/ul#	95
80) Pyrene	19.36	202	530183	24.92	ng/ul	95
81) Butylbenzylphthalate	20.27	149	43600	5.05	ng/ul#	81
83) Benzo(a)anthracene	21.11	228	288310	15.27	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.05	149	76203	6.54	ng/ul	95
85) Chrysene	21.17	228	297891	17.22	ng/ul	97
88) Benzo(b)fluoranthene	22.66	252	415048	18.36	ng/ul#	97
89) Benzo(k)fluoranthene	22.70	252	145255m	6.99	ng/ul	
91) Benzo(a)pyrene	23.22	252	291547	14.41	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.52	276	167908	7.17	ng/ul#	86
93) Dibenzo(a,h)anthracene	25.53	278	44499	2.22	ng/ul#	89
94) Benzo(g,h,i)perylene	26.20	276	143303	7.50	ng/ul#	92

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



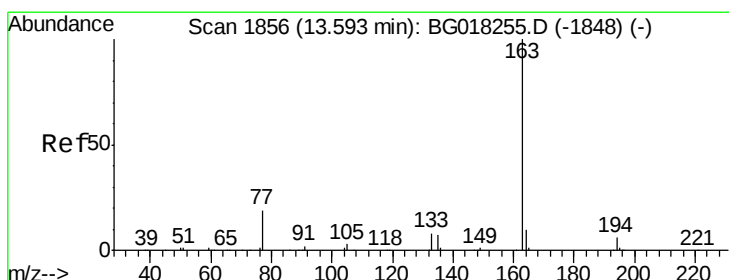
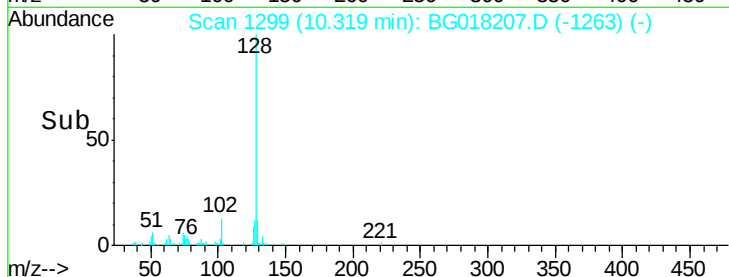
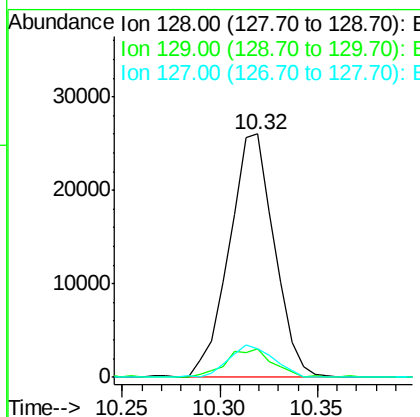
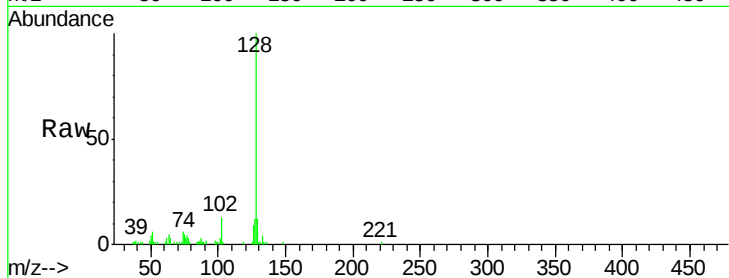
#28
Naphthalene
Concen: 2.51 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

Instrument :
BNA_G
ClientSampleId :
C02G7

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.9	9.1	13.7
127	11.5	11.2	16.8

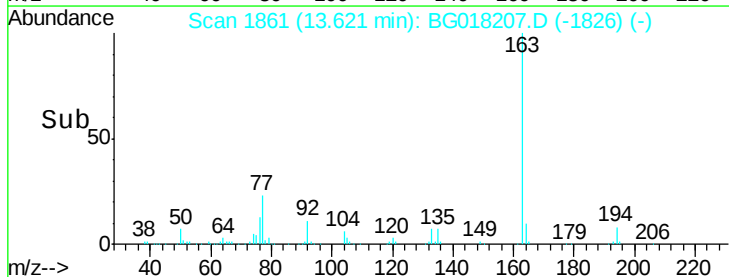
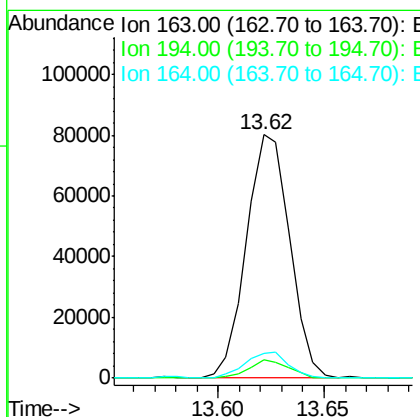
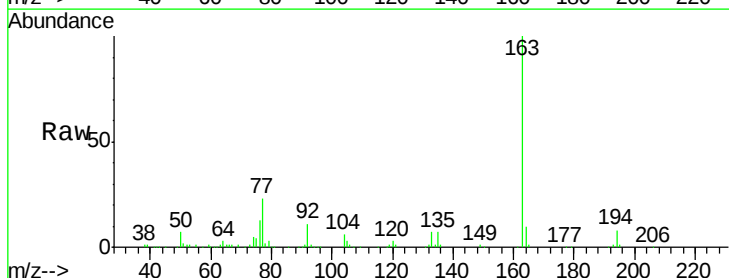
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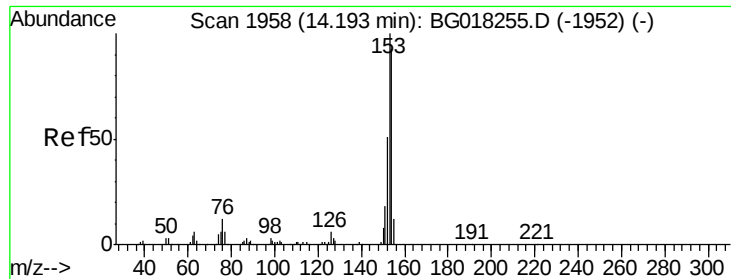
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#45
Dimethylphthalate
Concen: 7.35 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.00 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	7.6	5.2	7.8
164	9.9	8.4	12.6





#50

Acenaphthene

Concen: 4.92 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BG018207.D

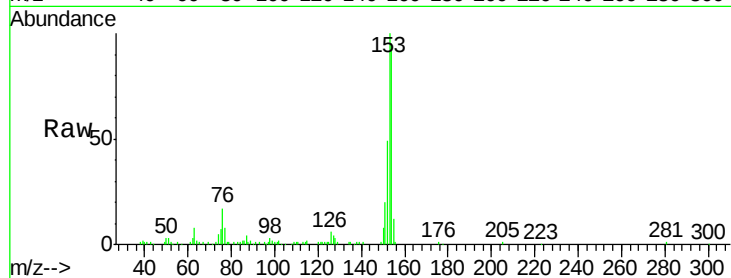
Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

C02G7



Tgt Ion:153 Resp: 57744

Ion Ratio Lower Upper

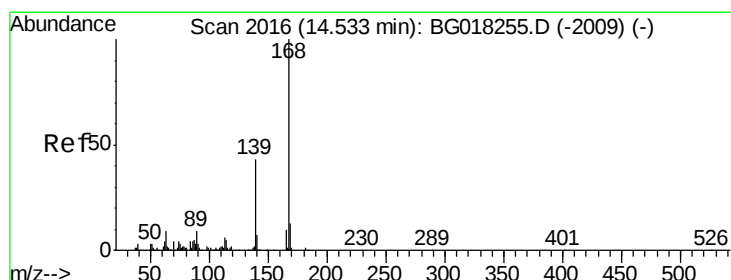
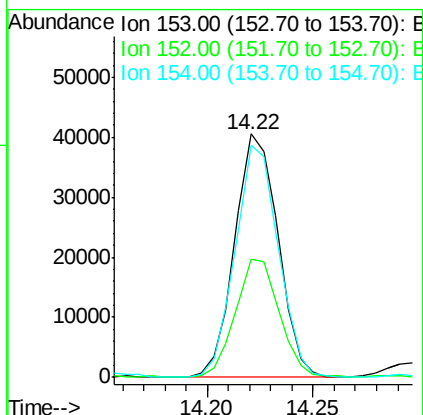
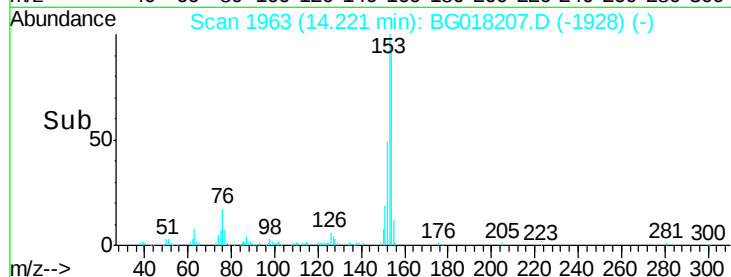
153 100

152 48.7 38.7 58.1

154 95.5 74.8 112.2

Manual Integrations
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#54

Dibenzofuran

Concen: 2.24 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BG018207.D

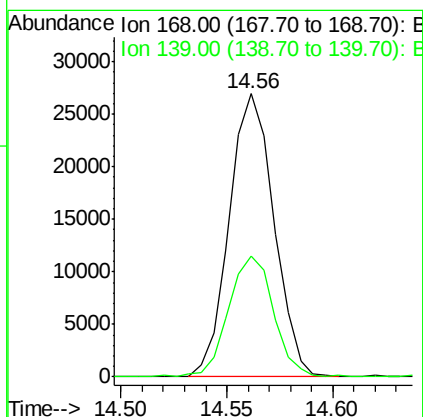
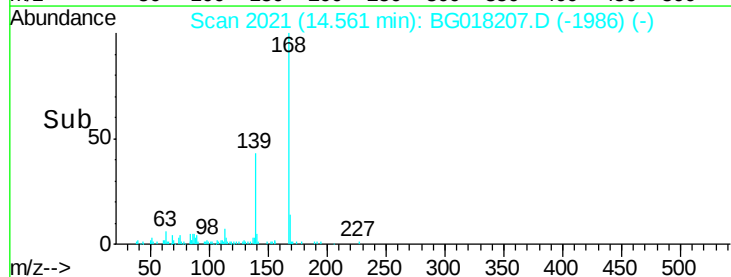
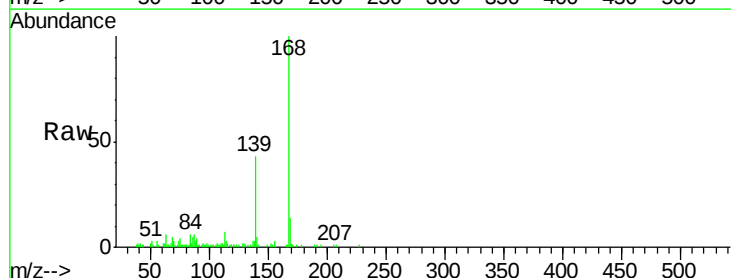
Acq: 1 Aug 2015 6:58

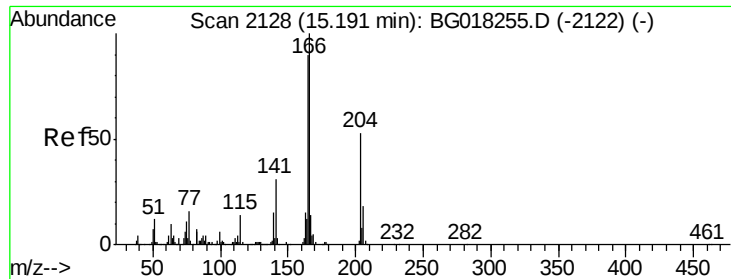
Tgt Ion:168 Resp: 39506

Ion Ratio Lower Upper

168 100

139 42.6 26.8 40.2#





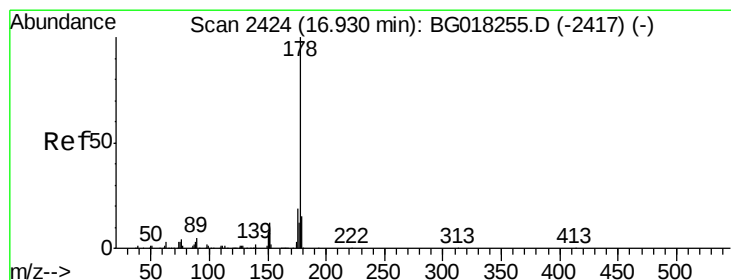
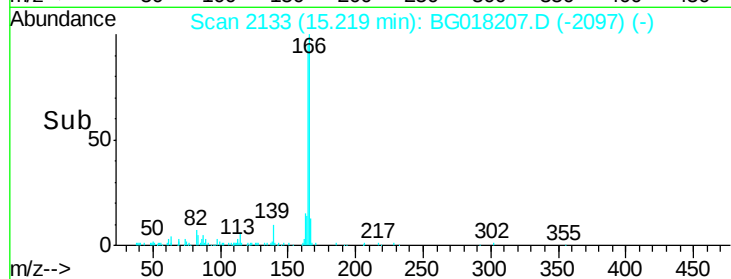
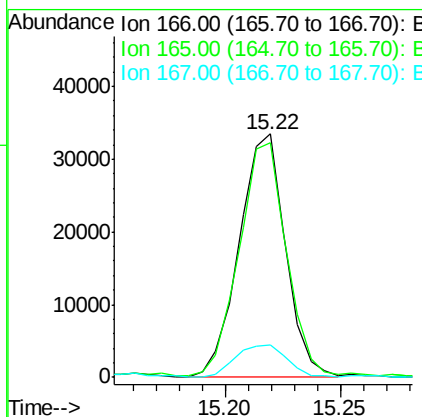
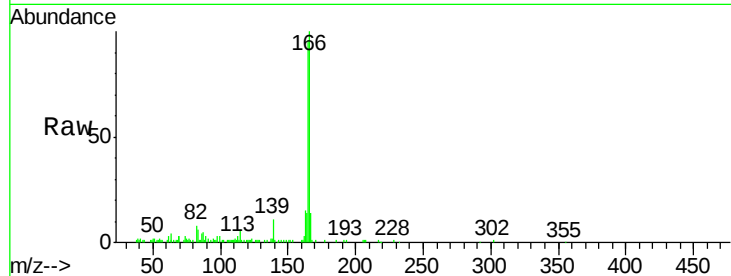
#59
 Fluorene
 Concen: 3.07 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BG018207.D
 Acq: 1 Aug 2015 6:58

Instrument :
 BNA_G
 ClientSampleId :
 C02G7

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	46793		
165	96.2	75.1	112.7	
167	13.5	11.8	17.6	

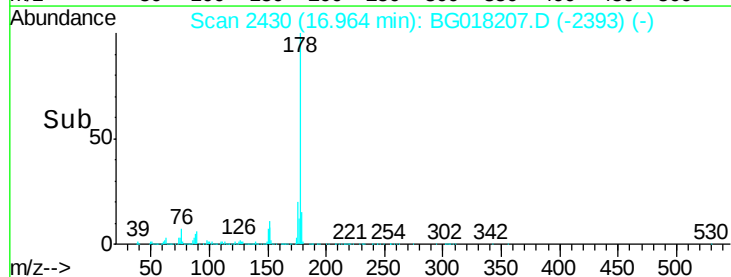
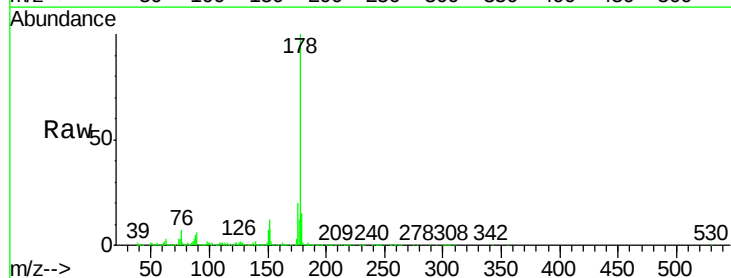
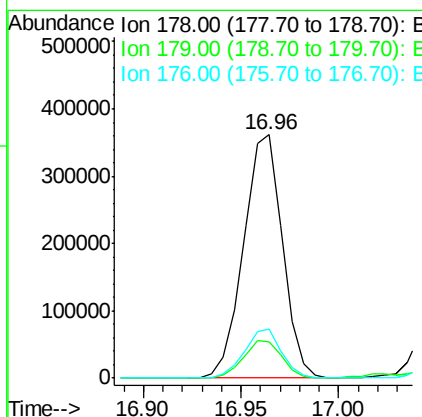
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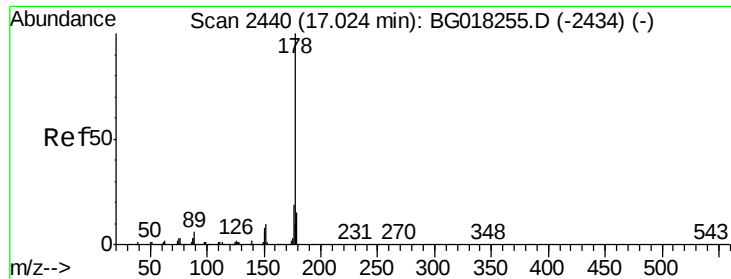
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#70
 Phenanthrene
 Concen: 29.54 ng/ul
 RT: 16.96 min Scan# 2430
 Delta R.T. 0.02 min
 Lab File: BG018207.D
 Acq: 1 Aug 2015 6:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	497192		
179	14.9	12.8	19.2	
176	20.1	16.0	24.0	





#72

Anthracene

Concen: 7.70 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

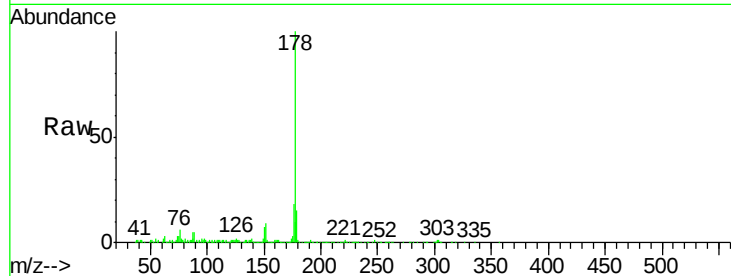
ClientSampled :

C02G7

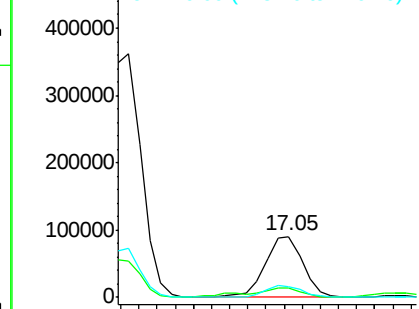
Manual Integrations
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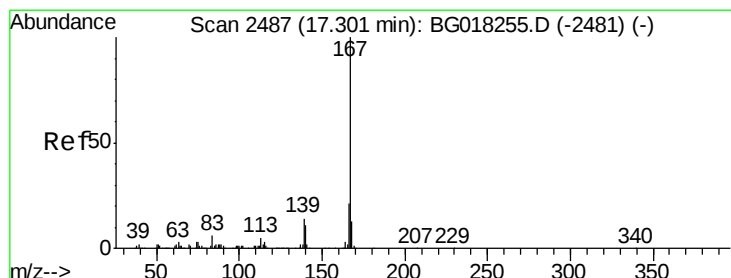
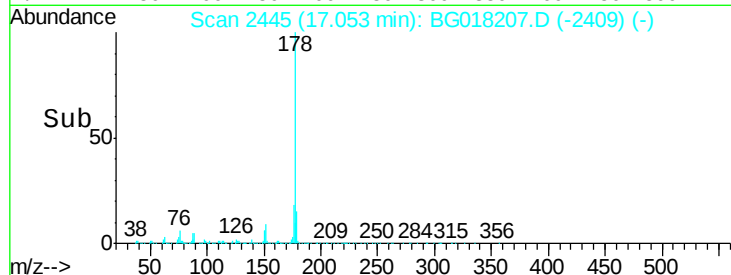
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	18.3	14.8	22.2



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



Time-->



#75

Carbazole

Concen: 3.49 ng/ul

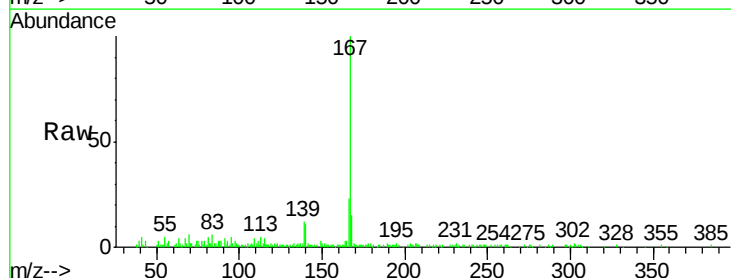
RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

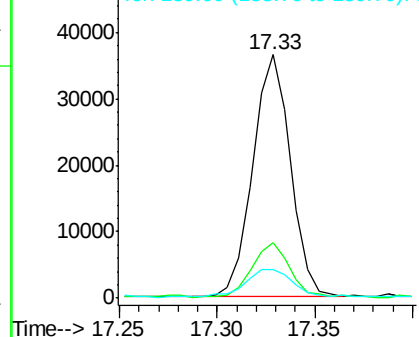
Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

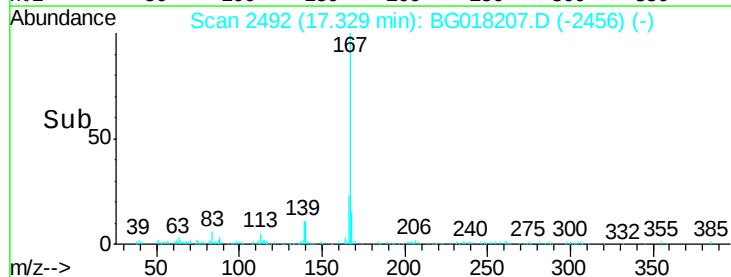
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.5	26.3
139	12.0	10.1	15.1

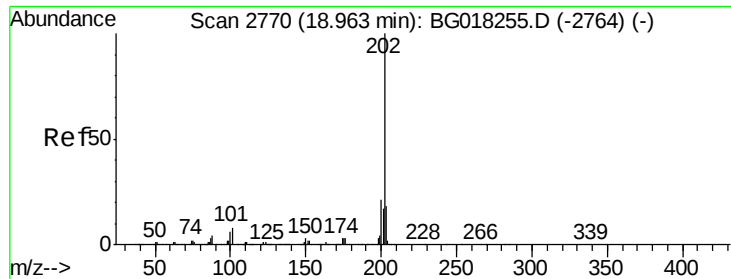


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#77

Fluoranthene

Concen: 33.84 ng/ul

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

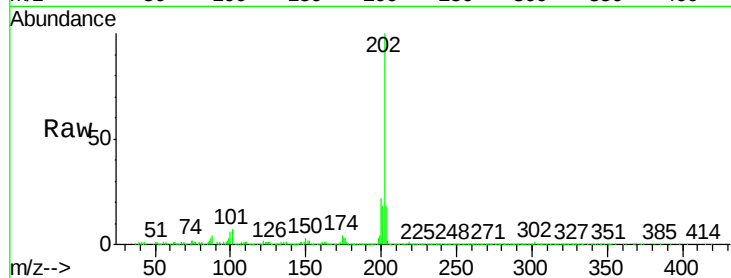
ClientSampleId :

C02G7

Tgt Ion:	202	Resp:	625606
Ion Ratio	Lower	Upper	
202	100		
101	6.9	7.5	11.3#
100	6.2	5.5	8.3

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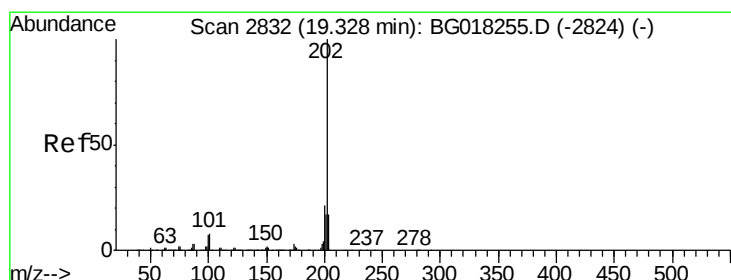
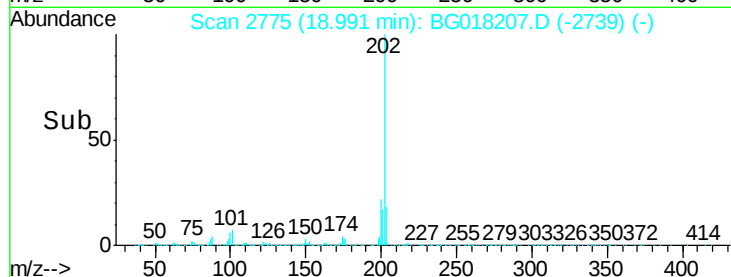
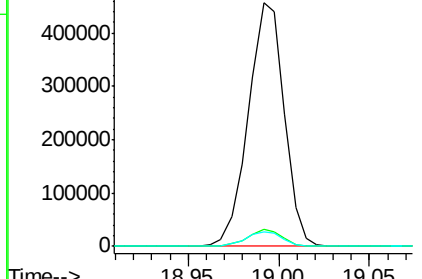
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 24.92 ng/ul

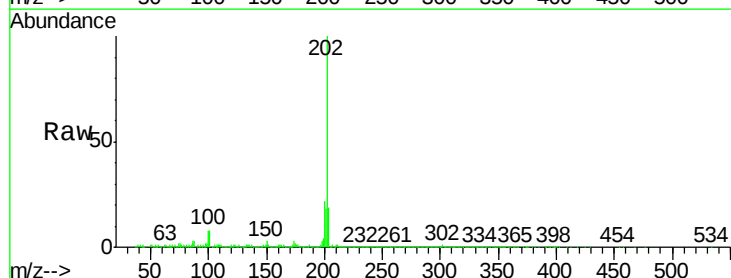
RT: 19.36 min Scan# 2837

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

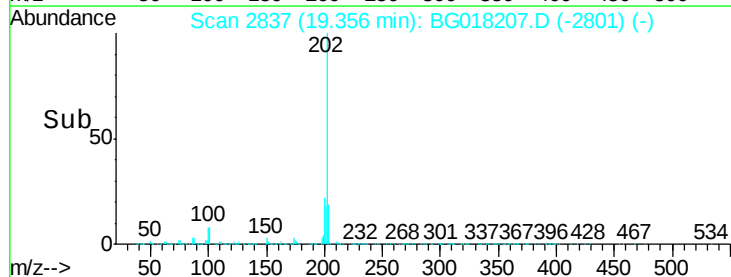
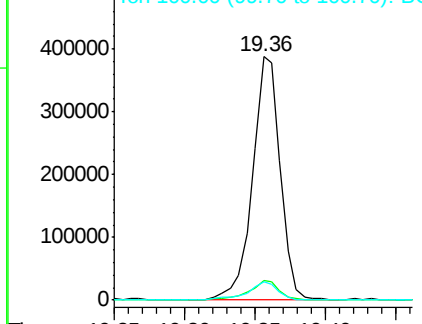
Tgt Ion:	202	Resp:	530183
Ion Ratio	Lower	Upper	
202	100		
101	8.2	8.1	12.1
100	7.6	7.4	11.0

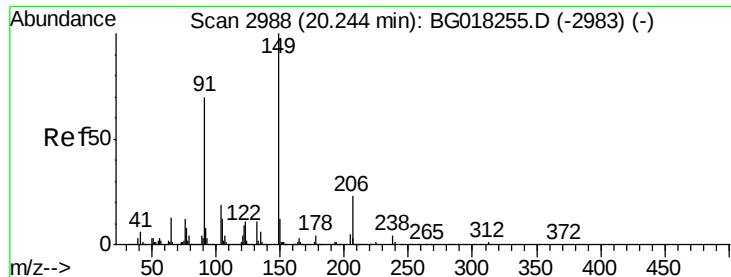


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 5.05 ng/ul

RT: 20.27 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BG018207.D

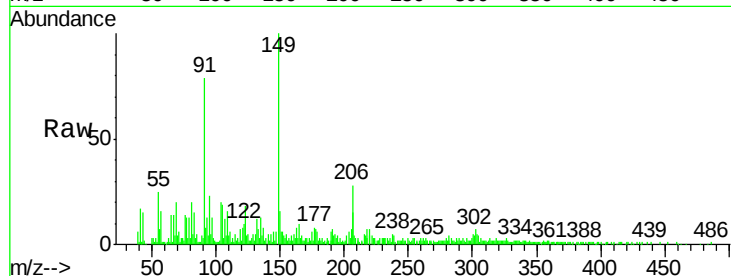
Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

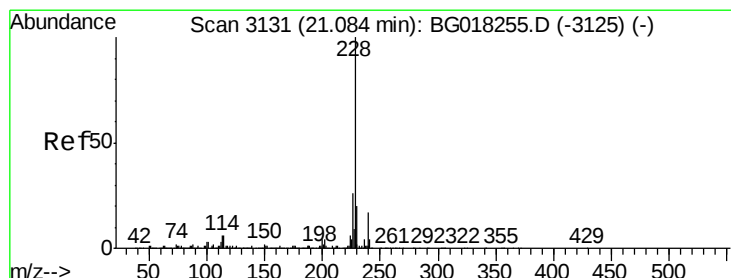
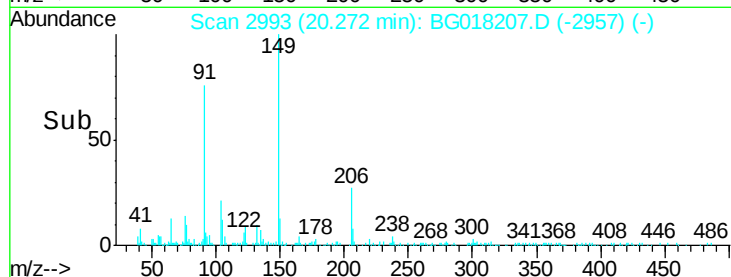
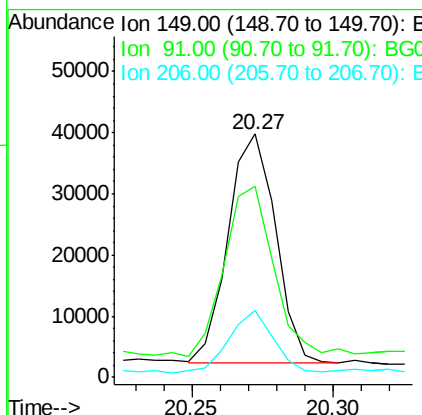
C02G7



Tgt Ion:	149	Resp:	43600
Ion Ratio	Lower	Upper	
149	100		
91	78.6	46.6	69.8#
206	27.6	21.8	32.8

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#83

Benzo(a)anthracene

Concen: 15.27 ng/ul

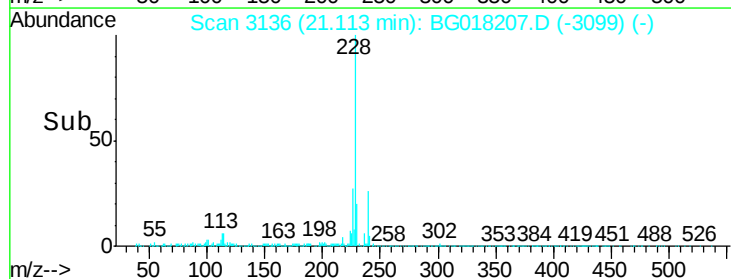
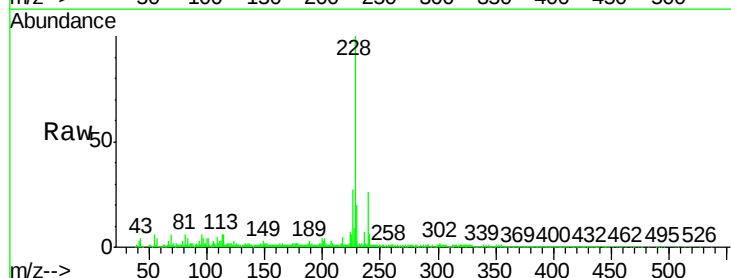
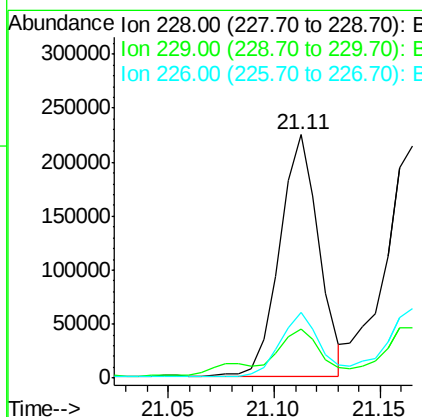
RT: 21.11 min Scan# 3136

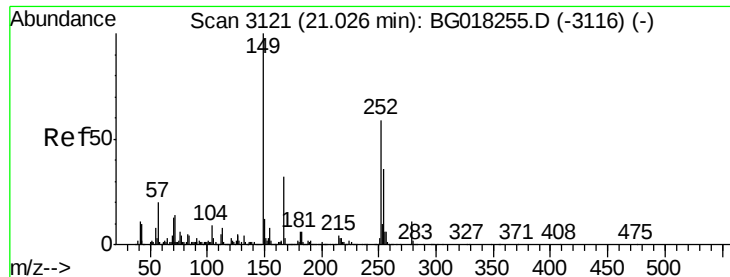
Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion:	228	Resp:	288310
Ion Ratio	Lower	Upper	
228	100		
229	20.4	16.5	24.7
226	27.1	21.5	32.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.54 ng/ul

RT: 21.05 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

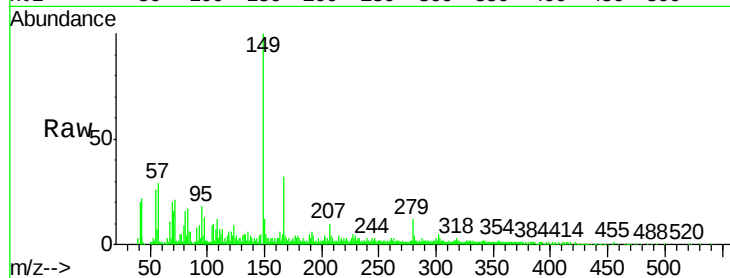
ClientSampleId :

C02G7

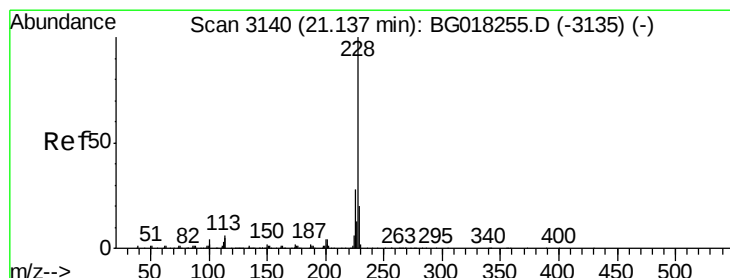
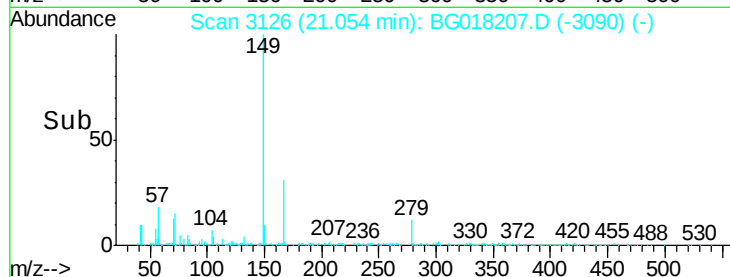
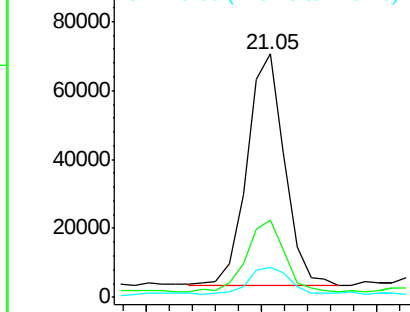
Tgt Ion:	149	Resp:	76203
Ion Ratio	Lower	Upper	
149	100		
167	31.8	27.4	41.2
279	12.4	8.3	12.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 17.22 ng/ul

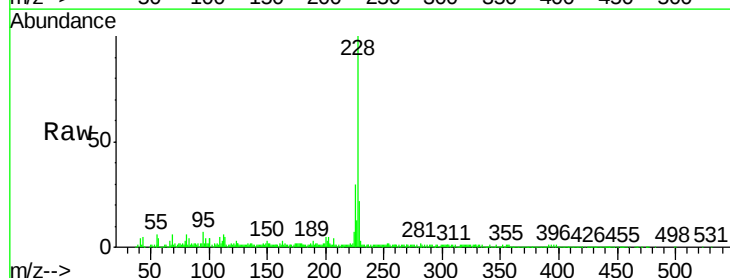
RT: 21.17 min Scan# 3145

Delta R.T. 0.02 min

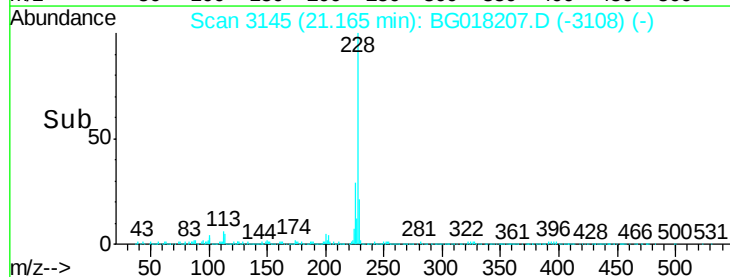
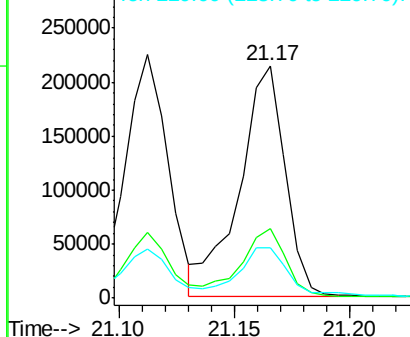
Lab File: BG018207.D

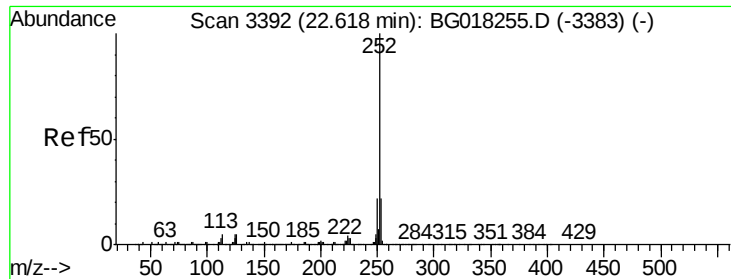
Acq: 1 Aug 2015 6:58

Tgt Ion:	228	Resp:	297891
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.7	34.1
229	21.7	16.2	24.2



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





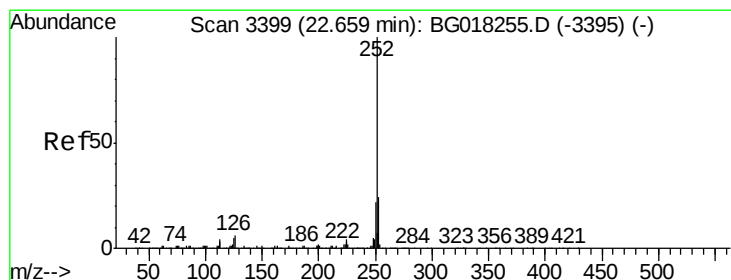
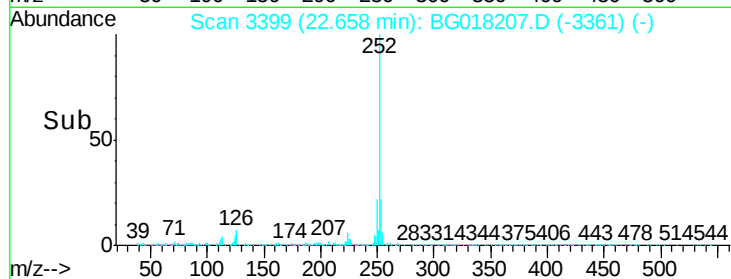
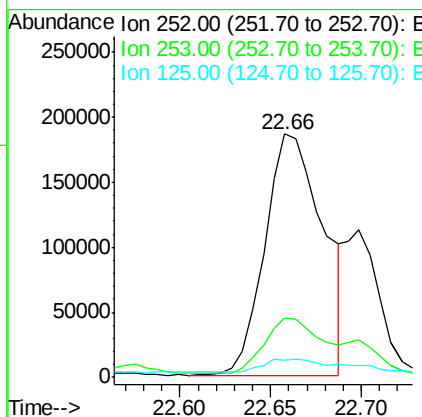
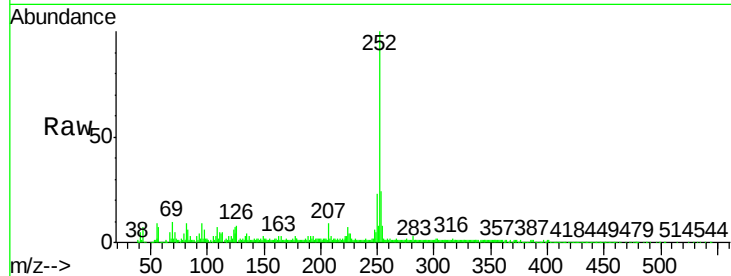
#88
Benzo(b)fluoranthene
Concen: 18.36 ng/ul
RT: 22.66 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

Instrument :
BNA_G
ClientSampleId :
C02G7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	7.0	7.4	11.0

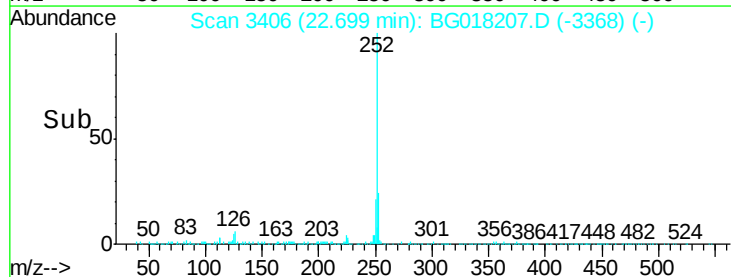
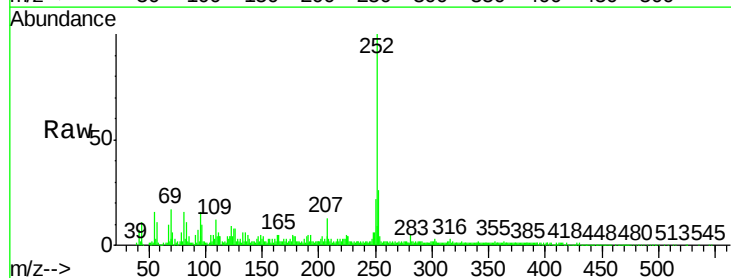
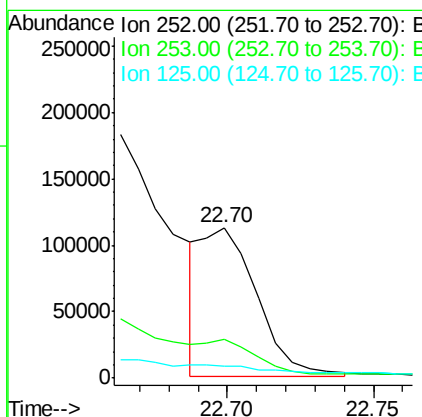
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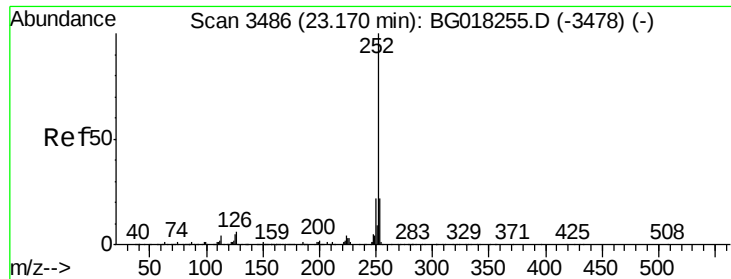
MMDadoda
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#89
Benzo(k)fluoranthene
Concen: 6.99 ng/ul m
RT: 22.70 min Scan# 3406
Delta R.T. 0.02 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	8.2	7.5	11.3





#91

Benzo(a)pyrene

Concen: 14.41 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

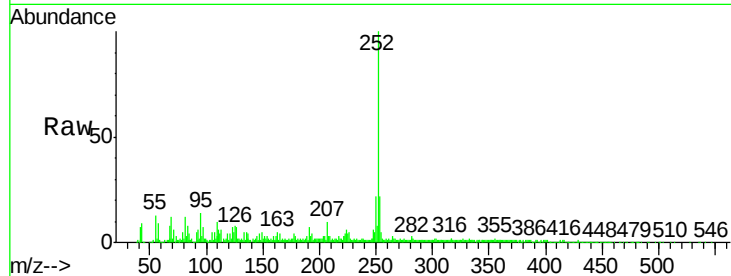
ClientSampleId :

C02G7

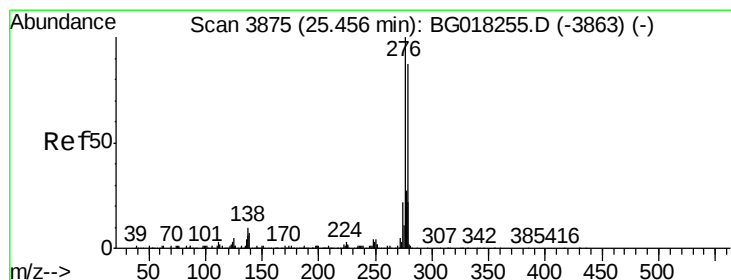
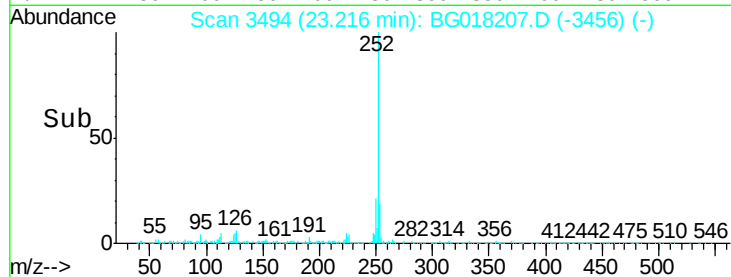
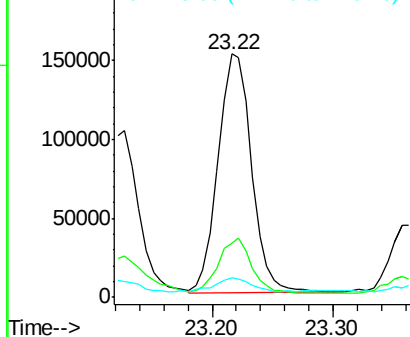
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.8	7.3	10.9

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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



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.17 ng/ul

RT: 25.52 min Scan# 3887

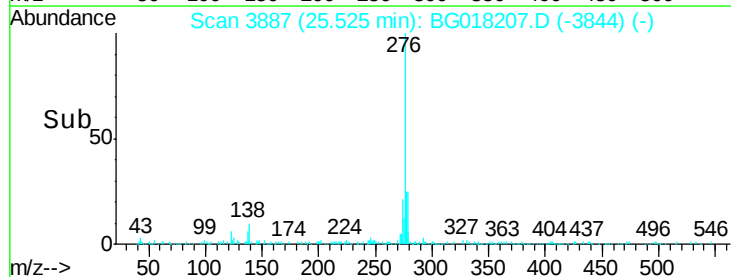
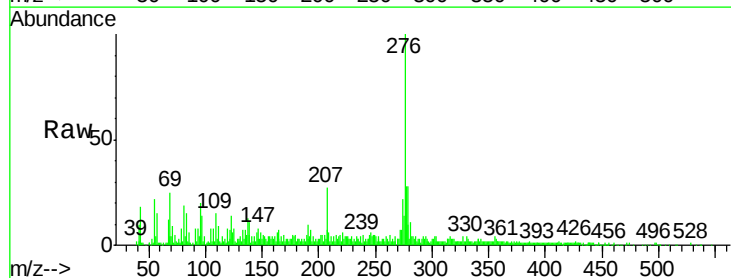
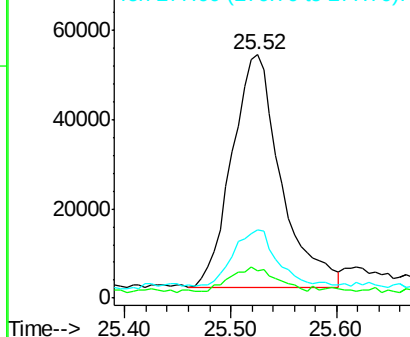
Delta R.T. 0.05 min

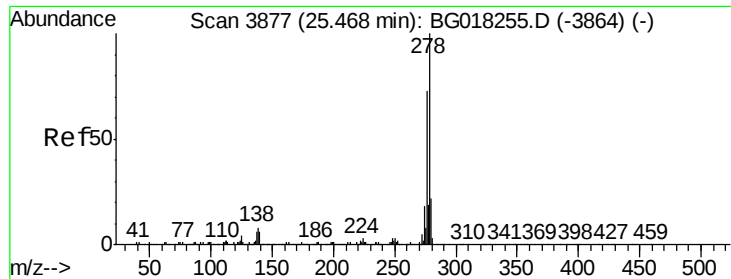
Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.0	17.2	25.8#
277	28.0	19.5	29.3

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





#93

Dibenzo(a,h)anthracene

Concen: 2.22 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. 0.04 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

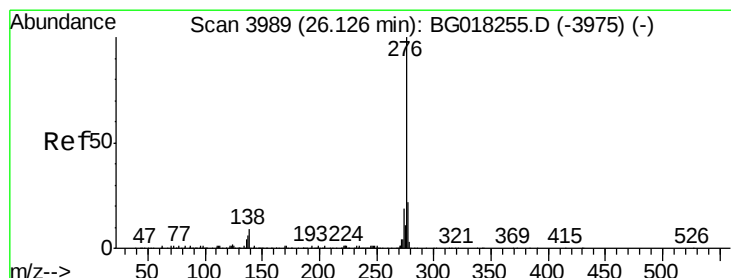
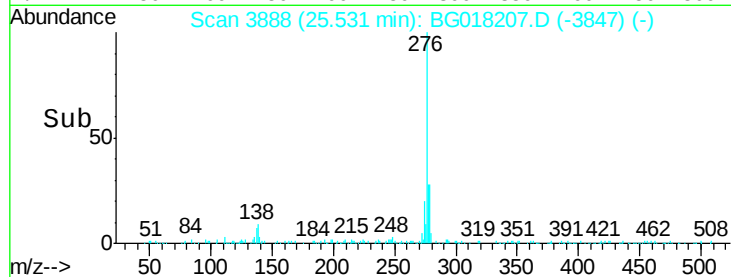
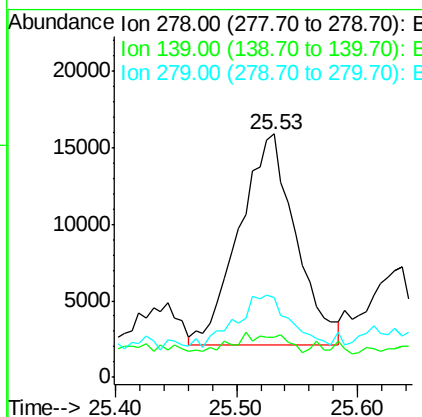
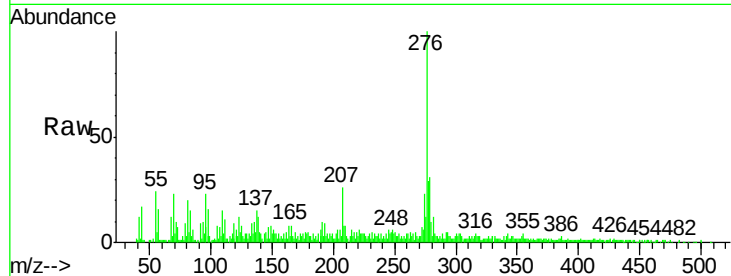
ClientSampleId :

C02G7

Tgt Ion:	278	Resp:	44499
Ion Ratio	Lower	Upper	
278	100		
139	16.5	12.2	18.2
279	32.7	20.0	30.0#

Manual Integrations
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#94

Benzo(g,h,i)perylene

Concen: 7.50 ng/ul

RT: 26.20 min Scan# 4002

Delta R.T. 0.06 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion:	276	Resp:	143303
Ion Ratio	Lower	Upper	
276	100		
138	14.5	15.1	22.7#
277	28.2	19.8	29.6

