

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018344.D
 Acq On : 10 Aug 2015 00:50
 Operator : UM/TP
 Sample : G3065-18RX
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L8RX

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:26:34 PM

Quant Time: Aug 10 08:25:36 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 07:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	102754	20.00	ng/ul	0.01
18) Naphthalene-d8	10.89	136	450873	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.70	164	235831	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.45	188	418873	20.00	ng/ul	0.03
78) Chrysene-d12	21.76	240	391715	20.00	ng/ul	0.07
86) Perylene-d12	25.05	264	437936m	20.00	ng/ul	0.13

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	4061	1.75	ng/uL	0.00
5) Phenol-d5	7.24	99	101733	10.91	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	70590	12.21	ng/ul	0.01
9) 2-Chlorophenol-d4	7.61	132	84979	11.90	ng/ul	0.02
13) 4-Methylphenol-d8	8.78	113	65996	8.42	ng/ul	0.02
19) Nitrobenzene-d5	9.24	128	48190	13.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.96	143	46637	13.03	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	92214	12.14	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	32036	3.73	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	258446	13.02	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	343403	13.74	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	30045	8.42	ng/ul	0.02
58) Fluorene-d10	15.69	176	218432	12.64	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.55	188	274279	13.69	ng/ul	0.02
79) Pyrene-d10	19.86	212	253078	12.45	ng/ul	0.05
90) Benzo(a)pyrene-d12	24.82	264	293229m	12.61	ng/ul	0.12

Target Compounds

					Ovalue
14) Acetophenone	8.89	105	15800	1.40	ng/ul# 71
28) Naphthalene	10.93	128	64329	2.70	ng/ul 96
34) 2-Methylnaphthalene	12.53	142	32739	1.90	ng/ul 85
35) 1-Methylnaphthalene	12.75	142	24608	1.46	ng/ul# 96
45) Dimethylphthalate	14.15	163	118754	6.07	ng/ul# 82
50) Acenaphthene	14.76	153	65630	3.73	ng/ul 94
54) Dibenzofuran	15.09	168	40836	1.78	ng/ul# 71
59) Fluorene	15.75	166	86955	4.40	ng/ul# 90
70) Phenanthrene	17.50	178	649965	28.60	ng/ul# 92
72) Anthracene	17.58	178	152539	6.59	ng/ul# 75
77) Fluoranthene	19.52	202	966692	39.83	ng/ul 99
80) Pyrene	19.89	202	1110992	41.95	ng/ul 99
83) Benzo(a)anthracene	21.74	228	432388	17.80	ng/ul# 79
84) Bis(2-ethylhexyl)phthalate	21.64	149	183833	11.61	ng/ul# 77
85) Chrysene	21.81	228	527135	23.21	ng/ul# 88
88) Benzo(b)fluoranthene	24.01	252	724739m	26.34	ng/ul
89) Benzo(k)fluoranthene	24.06	252	247383m	9.34	ng/ul
91) Benzo(a)pyrene	24.89	252	474328m	18.13	ng/ul
92) Indeno(1,2,3-cd)pyrene	28.78	276	348674m	11.52	ng/ul
93) Dibenzo(a,h)anthracene	28.82	278	87656m	3.49	ng/ul
94) Benzo(a,h,i)perylene	29.93	276	310939m	12.23	ng/ul

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Instrument :
BNA_G
ClientSampleId :
C02L8RX

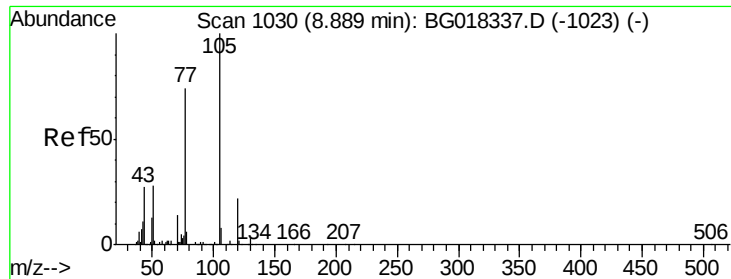
Manual Integrations
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Quant Time: Aug 10 08:25:36 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#14

Acetophenone

Concen: 1.40 ng/ul

RT: 8.89 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

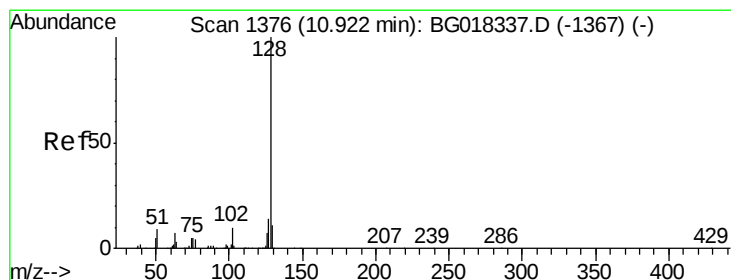
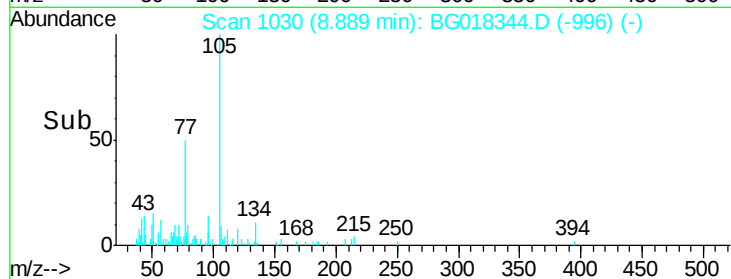
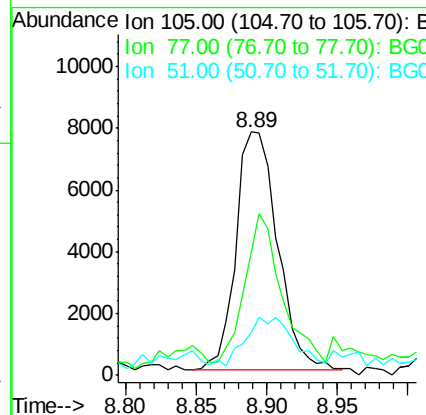
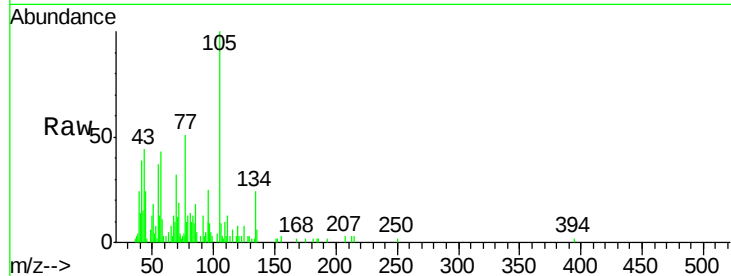
ClientSampled :

C02L8RX

Tot Ion:	105	Resp:	15800
Ion Ratio	Lower	Upper	
105	100		
77	50.9	61.9	92.9#
51	17.8	25.5	38.3#

Manual Integrations
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#28

Naphthalene

Concen: 2.70 ng/ul

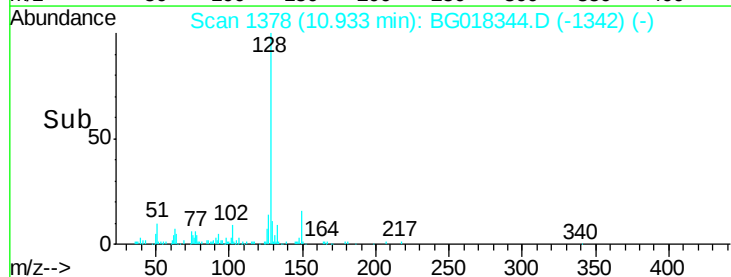
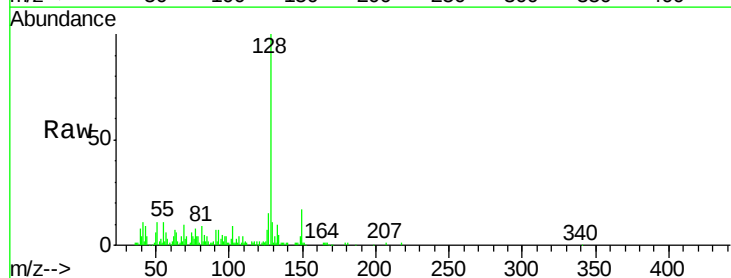
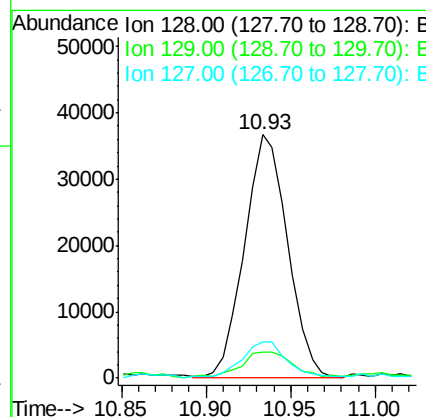
RT: 10.93 min Scan# 1378

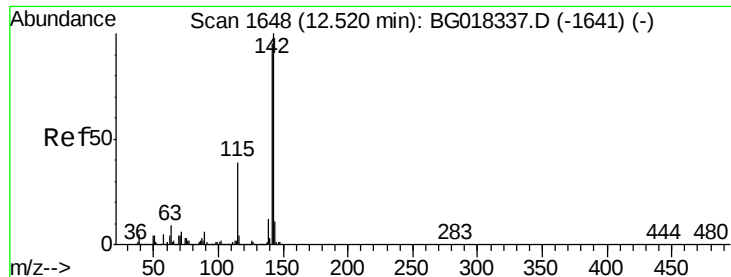
Delta R.T. 0.01 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Tgt Ion:	128	Resp:	64329
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.6	14.4
127	14.6	10.5	15.7





#34

2-Methylnaphthalene

Concen: 1.90 ng/ul

RT: 12.53 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

ClientSampleId :

C02L8RX

Tot Ion:142 Resp: 32739

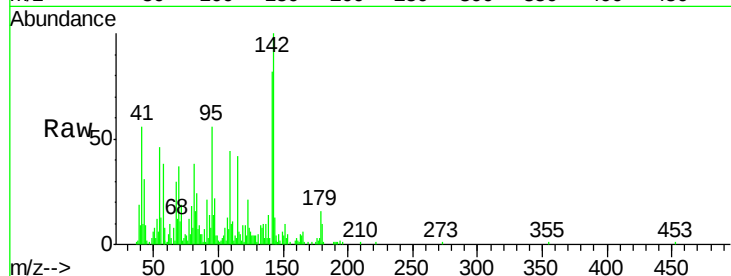
Ion Ratio Lower Upper

142 100

141 82.3 78.0 117.0

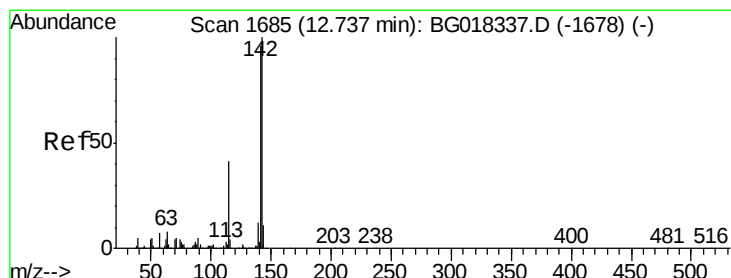
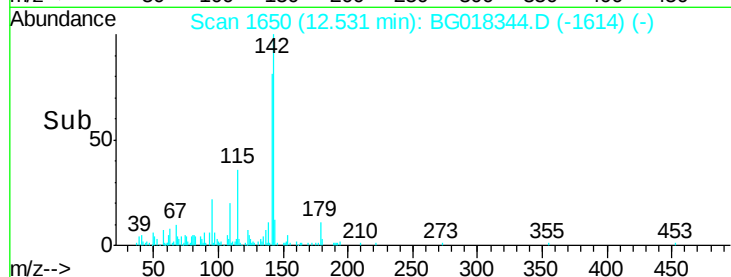
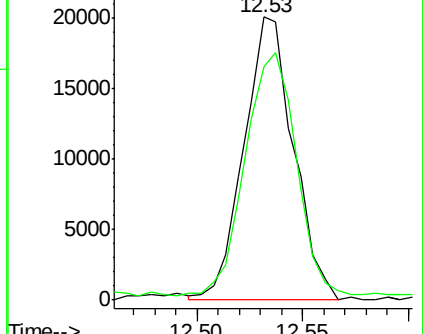
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.46 ng/ul

RT: 12.75 min Scan# 1688

Delta R.T. 0.02 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

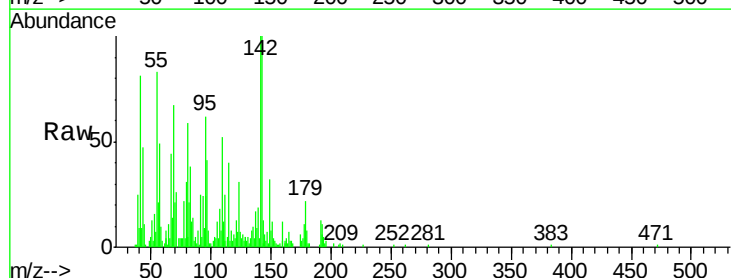
Tgt Ion:142 Resp: 24608

Ion Ratio Lower Upper

142 100

141 100.1 77.1 115.7

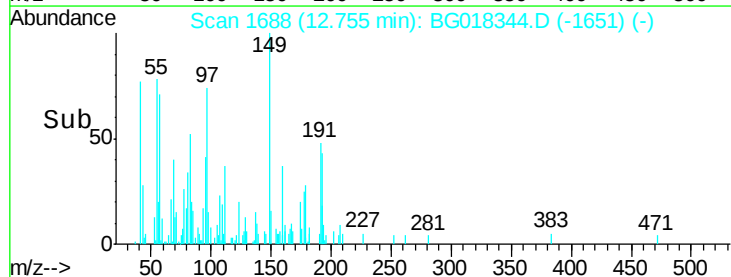
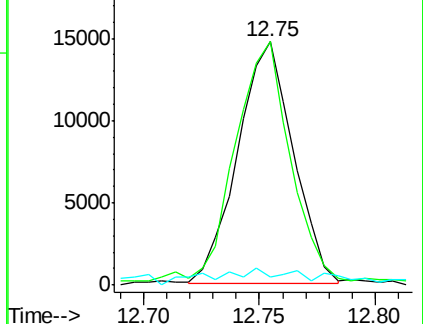
116 3.2 3.5 5.3#

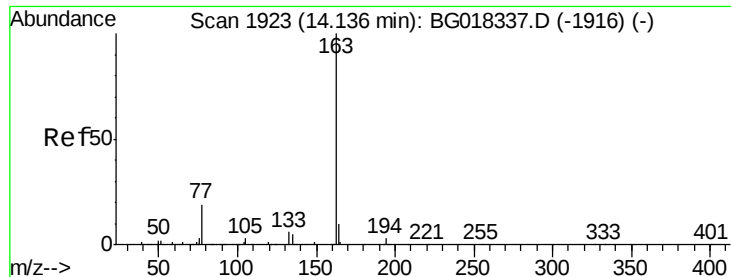


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#45

Dimethylphthalate

Concen: 6.07 ng/ul

RT: 14.15 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

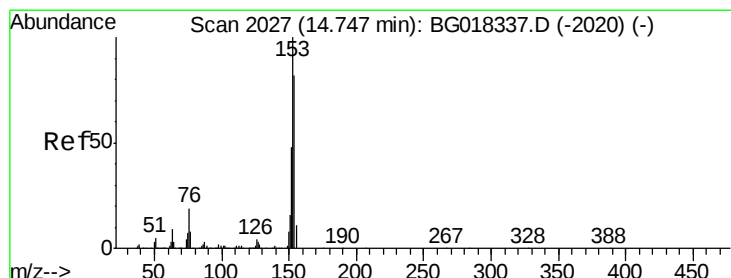
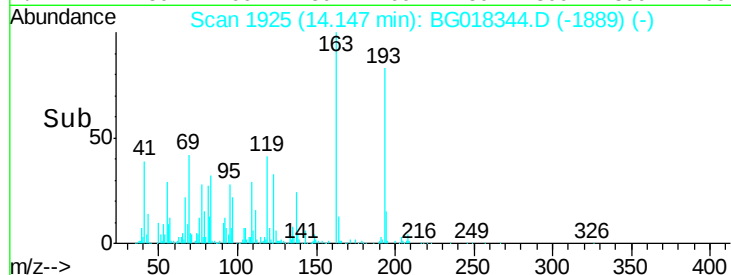
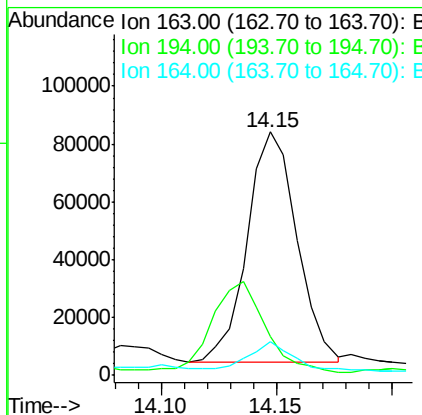
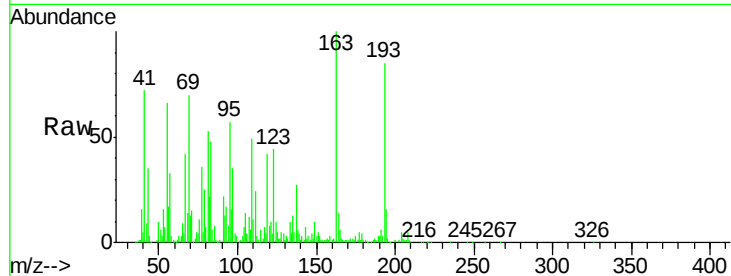
ClientSampleId :

C02L8RX

Tot Ion:	163	Resp:	118754
Ion Ratio	Lower	Upper	
163	100		
194	16.0	2.9	4.3#
164	13.7	7.7	11.5#

Manual Integrations
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#50

Acenaphthene

Concen: 3.73 ng/ul

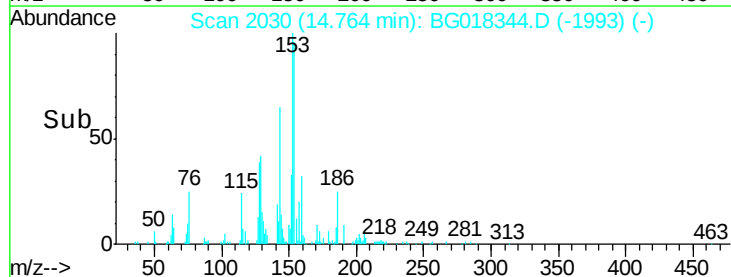
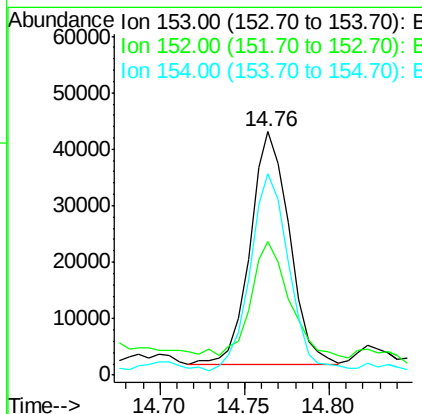
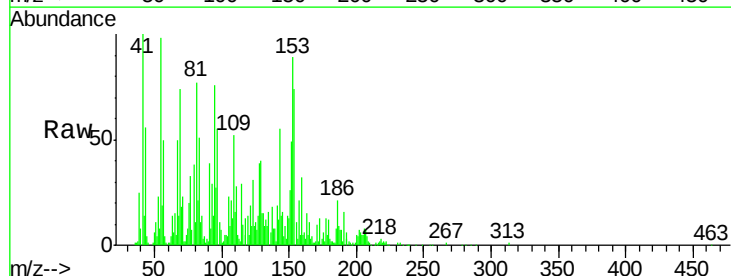
RT: 14.76 min Scan# 2030

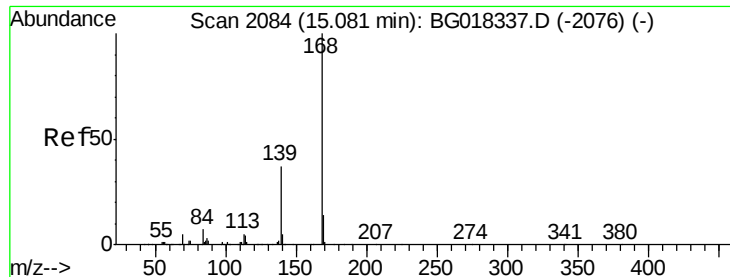
Delta R.T. 0.02 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Tgt Ion:	153	Resp:	65630
Ion Ratio	Lower	Upper	
153	100		
152	54.9	38.2	57.4
154	82.9	68.6	103.0





#54

Dibenzofuran

Concen: 1.78 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. 0.01 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

ClientSampleId :

C02L8RX

Tot Ion:168 Resp: 40836

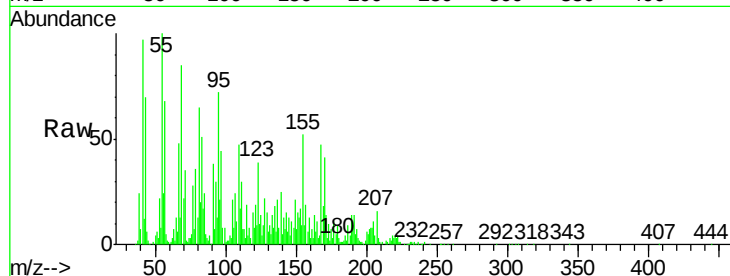
Ion Ratio Lower Upper

168 100

139 54.4 29.7 44.5#

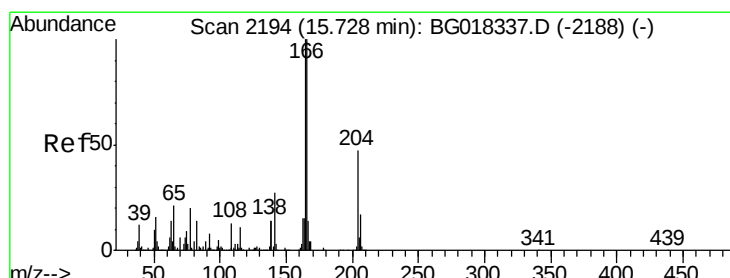
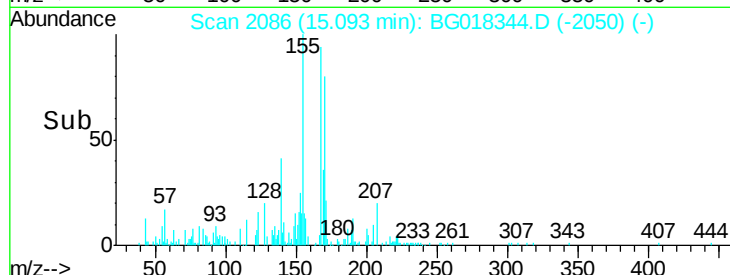
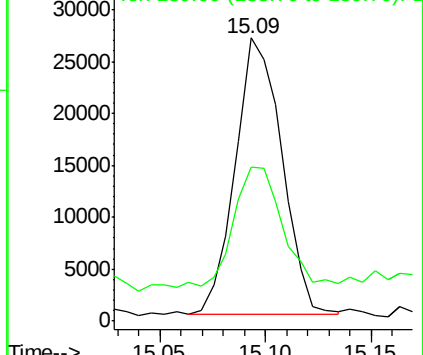
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.40 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

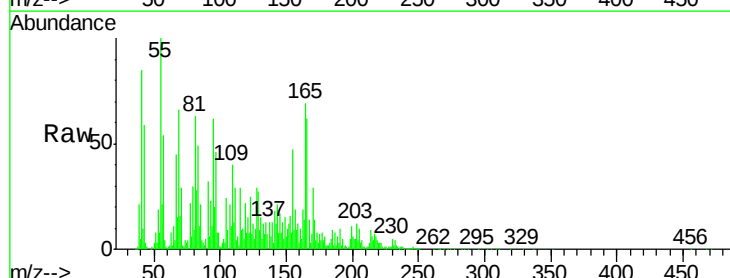
Tgt Ion:166 Resp: 86955

Ion Ratio Lower Upper

166 100

165 111.6 82.6 124.0

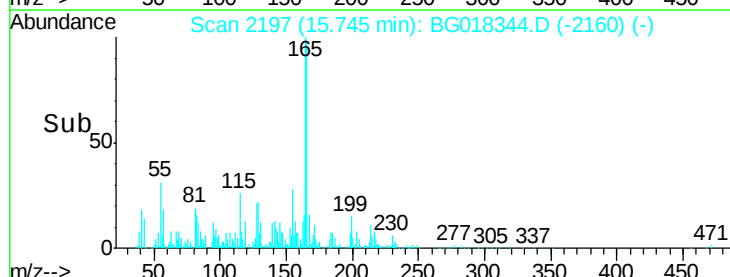
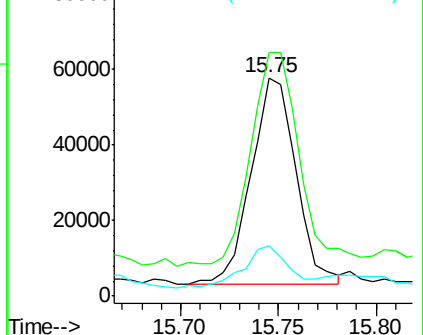
167 22.9 11.4 17.0#

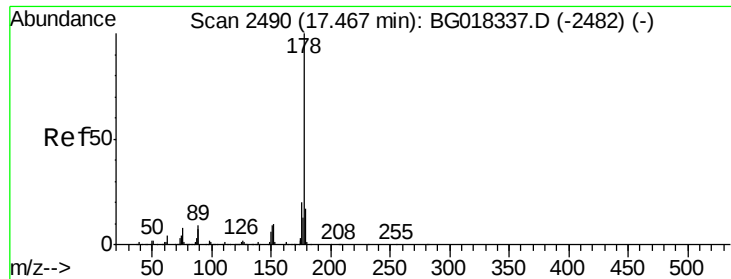


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 28.60 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. 0.03 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

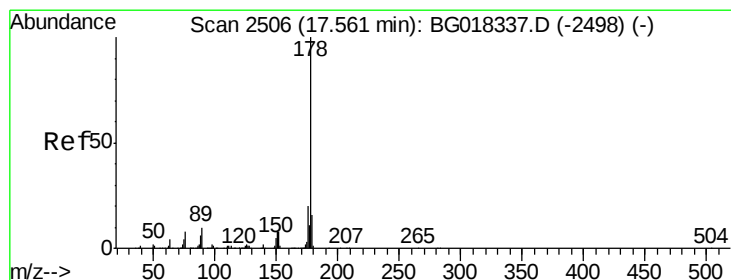
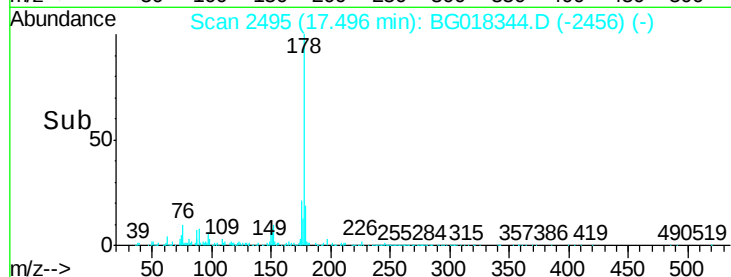
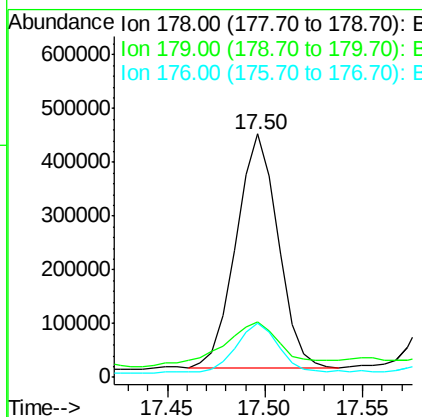
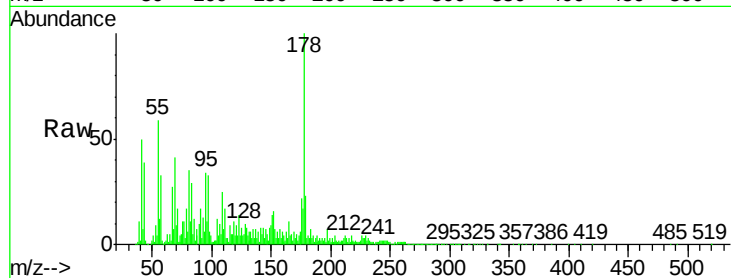
ClientSampleId :

C02L8RX

Manual Integrations
APPROVED

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Tot Ion:178	Resp:	649965
Ion Ratio	Lower	Upper
178 100		
179 22.9	13.7	20.5#
176 22.0	16.6	24.8



#72

Anthracene

Concen: 6.59 ng/ul

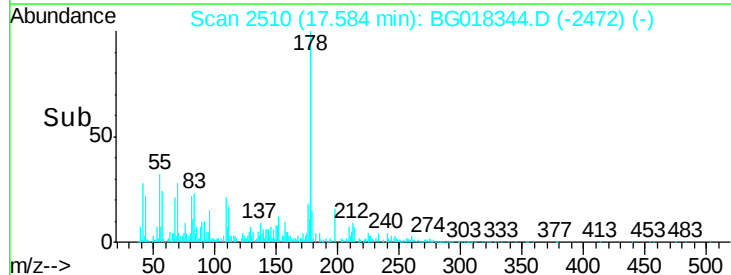
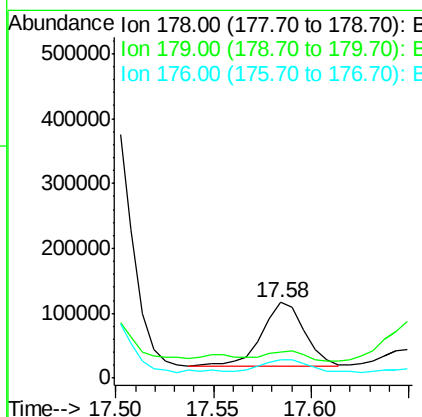
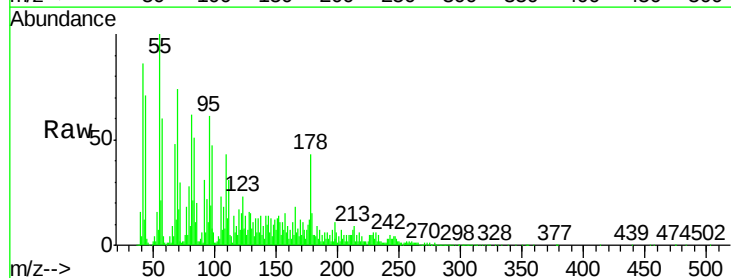
RT: 17.58 min Scan# 2510

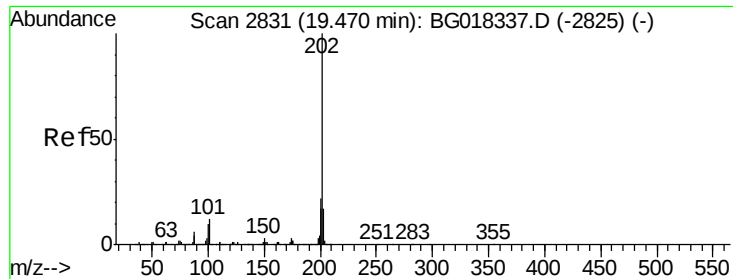
Delta R.T. 0.02 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Tgt Ion:178	Resp:	152539
Ion Ratio	Lower	Upper
178 100		
179 35.2	13.0	19.4#
176 24.0	16.0	24.0





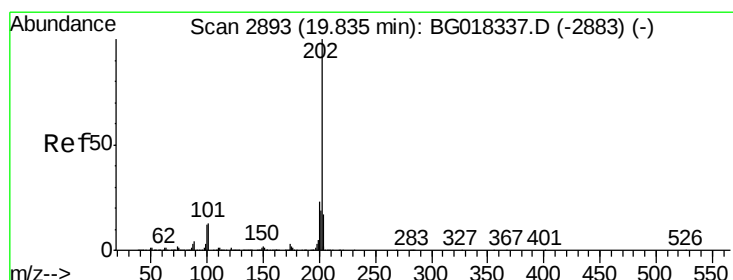
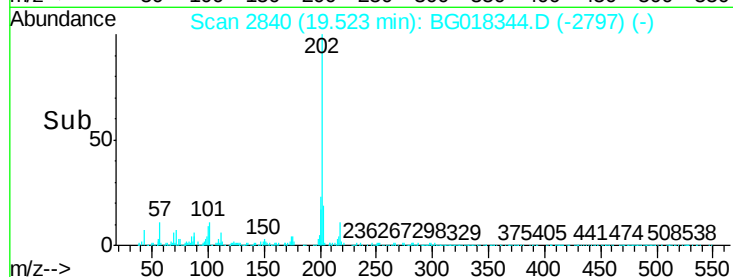
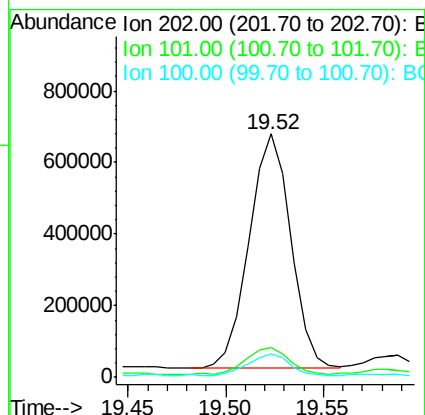
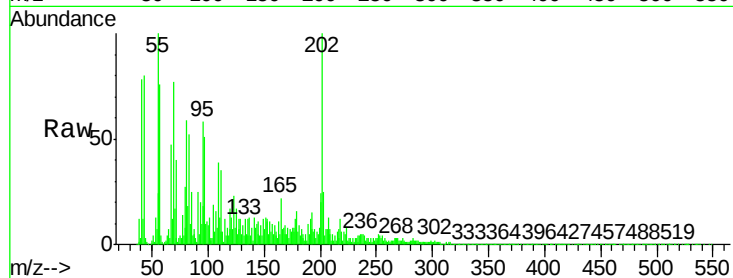
#77
Fluoranthene
Concen: 39.83 ng/ul
RT: 19.52 min Scan# 2840
Delta R.T. 0.05 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Instrument :
BNA_G
ClientSampleId :
C02L8RX

Tot Ion:	202	Resp:	966692
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.7	14.5
100	9.4	7.8	11.8

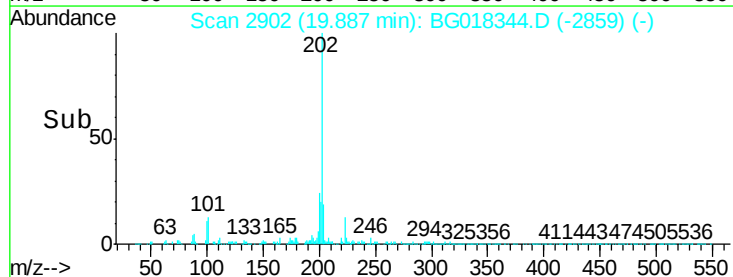
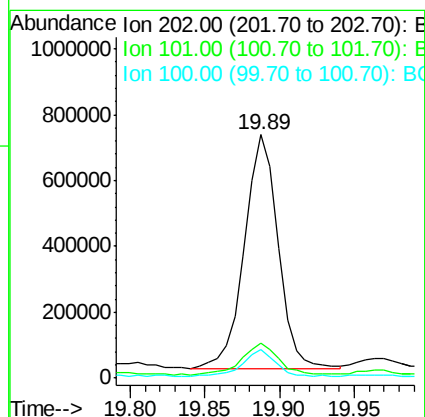
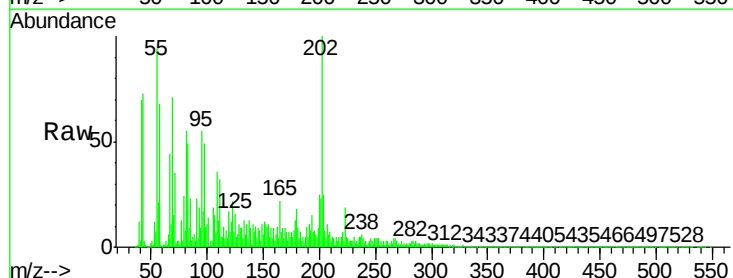
Manual Integrations
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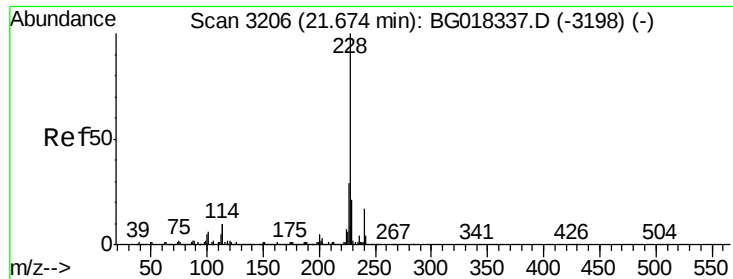
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#80
Pyrene
Concen: 41.95 ng/ul
RT: 19.89 min Scan# 2902
Delta R.T. 0.05 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Tgt Ion:	202	Resp:	1110992
Ion Ratio	Lower	Upper	
202	100		
101	14.1	11.0	16.4
100	11.5	9.8	14.6





#83

Benzo(a)anthracene

Concen: 17.80 ng/ul

RT: 21.74 min Scan# 3218

Delta R.T. 0.07 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Instrument :

BNA_G

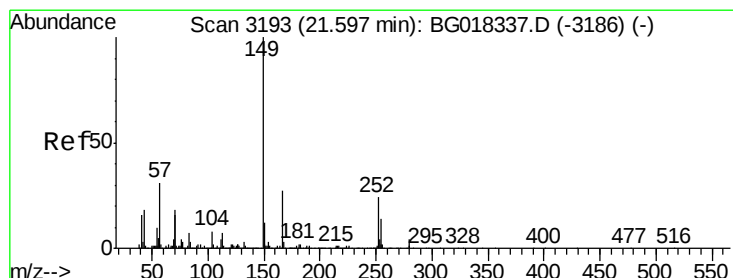
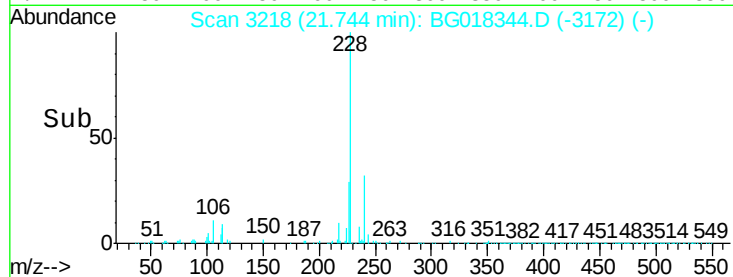
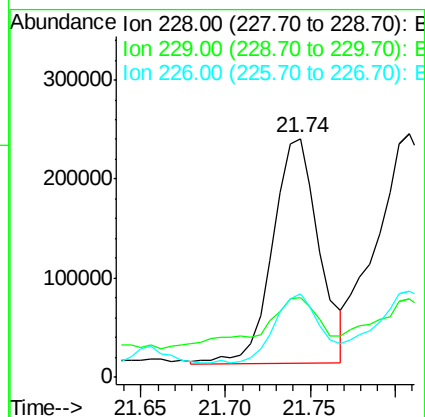
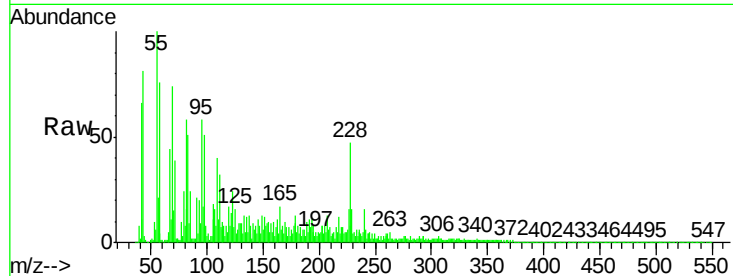
ClientSampleId :

C02L8RX

Tot Ion:	228	Resp:	432388
Ion Ratio	Lower	Upper	
228	100		
229	33.2	15.5	23.3#
226	34.9	22.1	33.1#

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#84

Bis(2-ethylhexyl)phthalate

Concen: 11.61 ng/ul

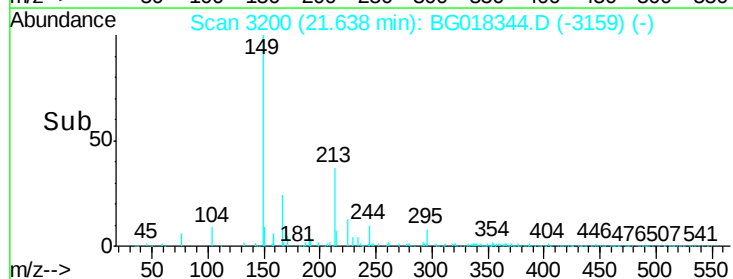
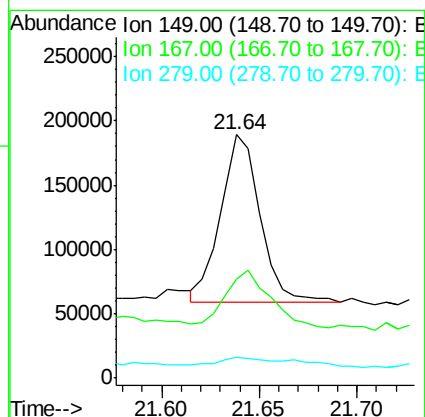
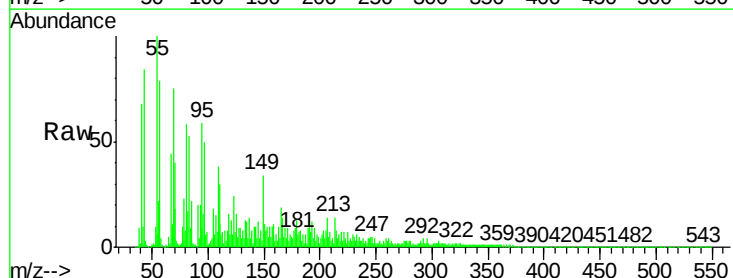
RT: 21.64 min Scan# 3200

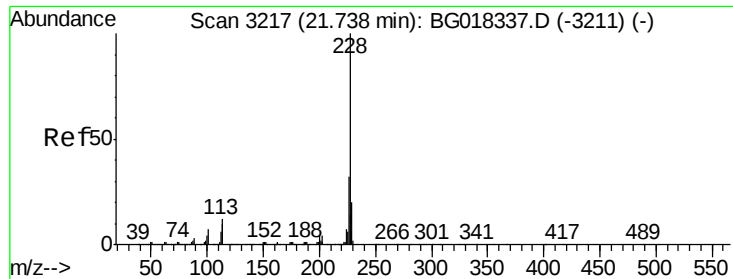
Delta R.T. 0.04 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Tgt Ion:	149	Resp:	183833
Ion Ratio	Lower	Upper	
149	100		
167	40.5	22.2	33.2#
279	8.5	2.8	4.2#





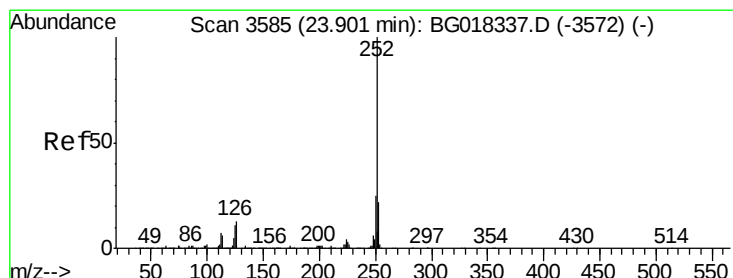
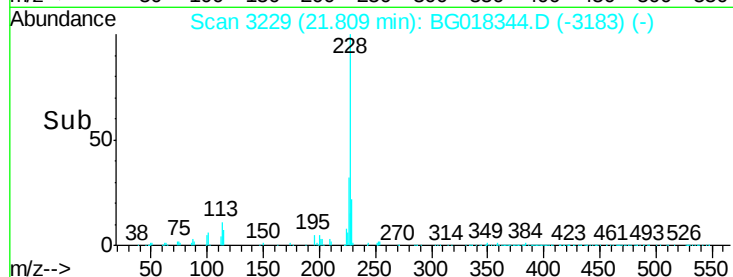
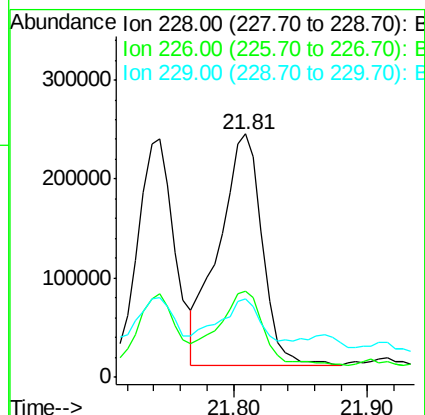
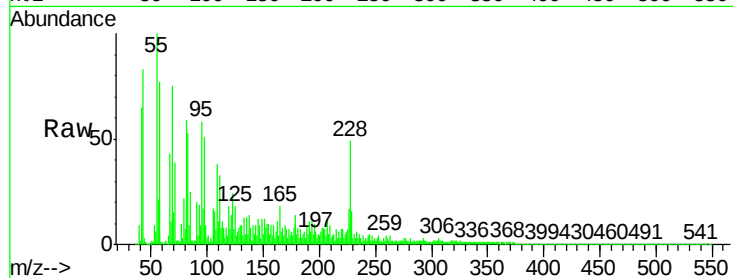
#85
 Chrvsene
 Concen: 23.21 ng/ul
 RT: 21.81 min Scan# 3229
 Delta R.T. 0.07 min
 Lab File: BG018344.D
 Acq: 10 Aug 2015 00:50

Instrument :
 BNA_G
 ClientSampleId :
 C02L8RX

Tot Ion:	228	Resp:	527135
Ion Ratio	Lower	Upper	
228	100		
226	35.4	26.5	39.7
229	32.3	16.9	25.3#

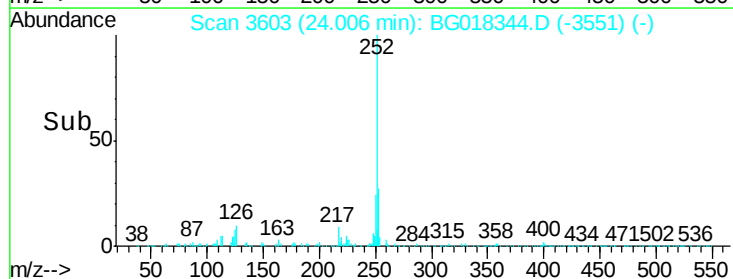
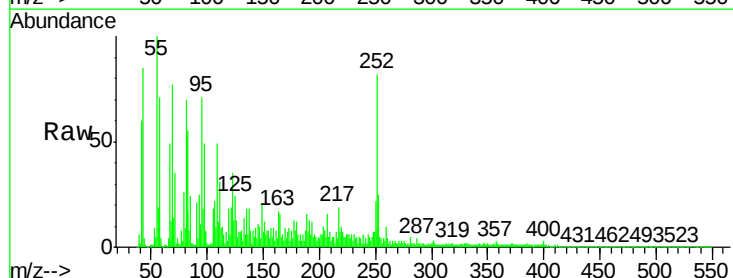
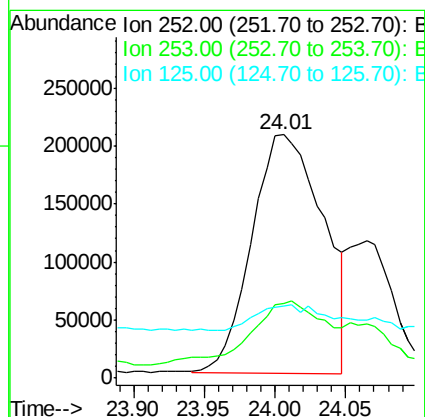
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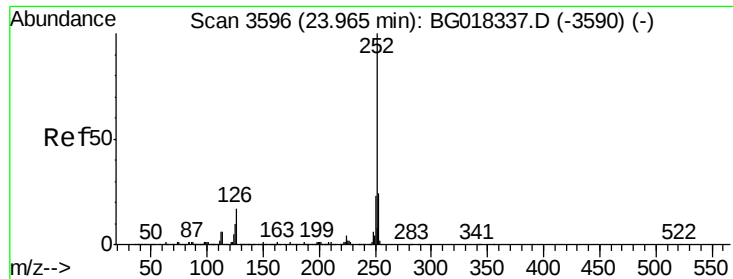
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#88
 Benzo(b)fluoranthene
 Concen: 26.34 ng/ul m
 RT: 24.01 min Scan# 3603
 Delta R.T. 0.11 min
 Lab File: BG018344.D
 Acq: 10 Aug 2015 00:50

Tgt Ion:	252	Resp:	724739
Ion Ratio	Lower	Upper	
252	100		
253	30.5	18.1	27.1#
125	29.5	8.3	12.5#





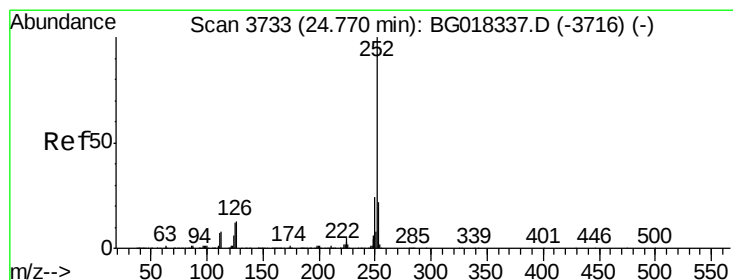
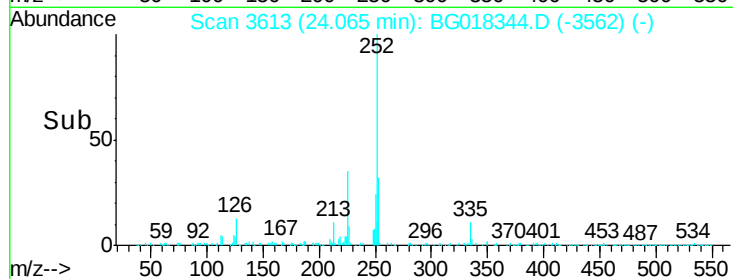
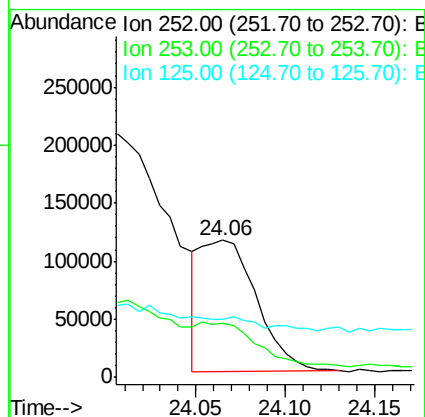
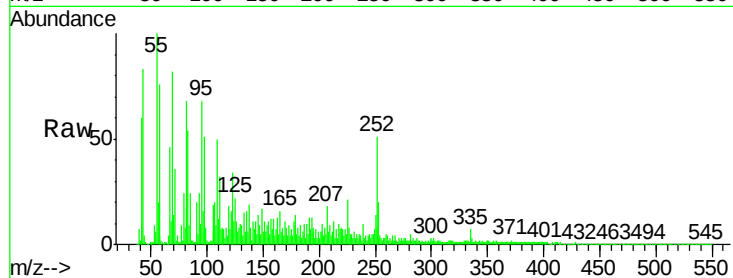
#89
Benzo(k)fluoranthene
Concen: 9.34 ng/ul m
RT: 24.06 min Scan# 3613
Delta R.T. 0.10 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Instrument :
BNA_G
ClientSampleId :
C02L8RX

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	39.6	17.8	26.6#	
125	42.6	9.0	13.4#	

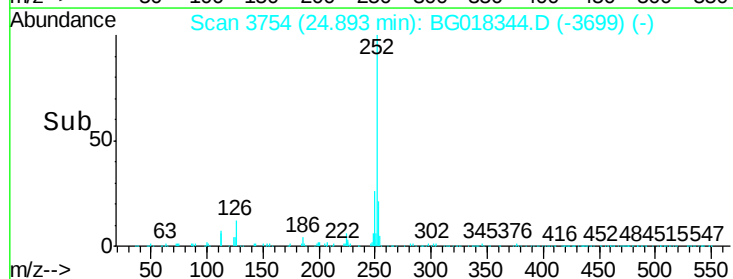
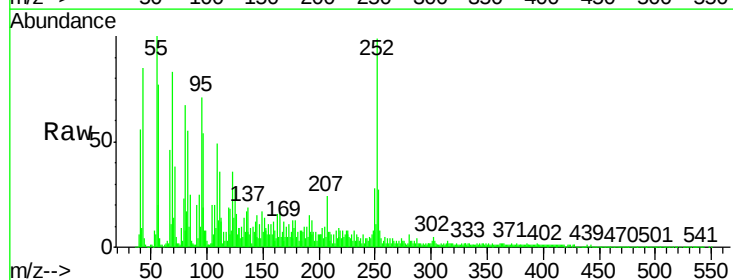
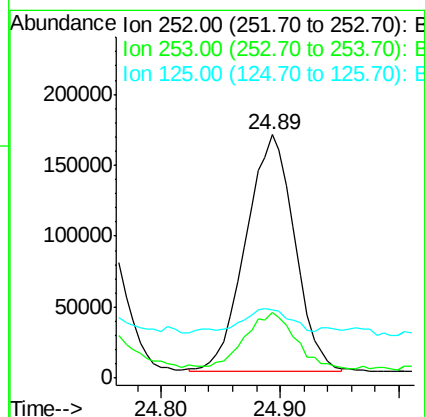
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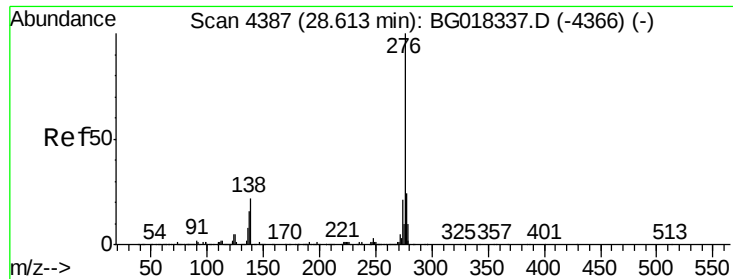
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#91
Benzo(a)pyrene
Concen: 18.13 ng/ul m
RT: 24.89 min Scan# 3754
Delta R.T. 0.12 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.1	17.7	26.5#	
125	28.2	10.2	15.2#	





#92

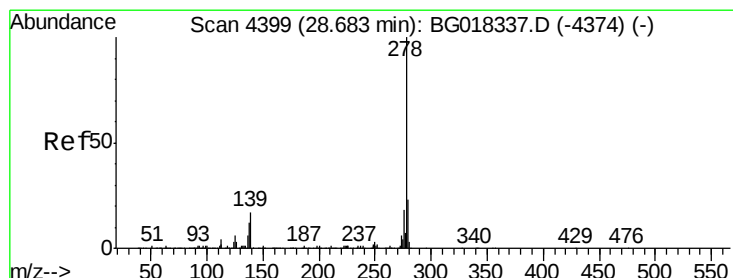
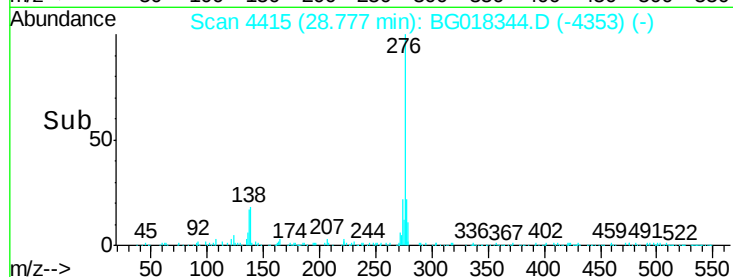
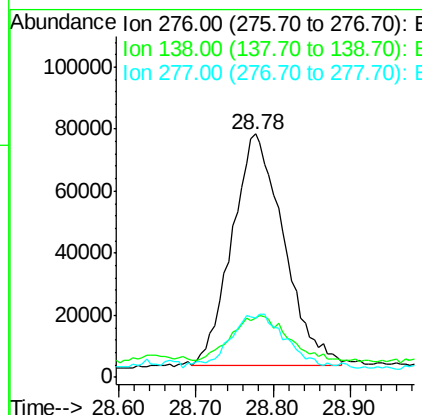
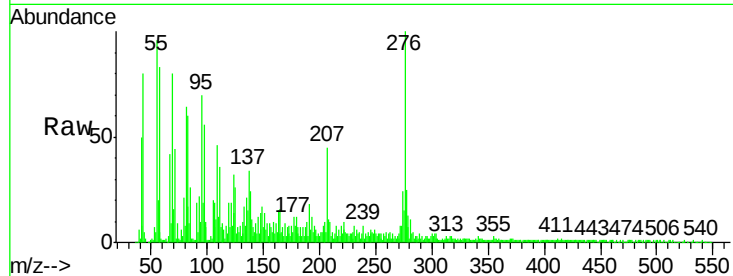
Indeno(1,2,3-cd)pyrene
Concen: 11.52 ng/ul m
RT: 28.78 min Scan# 4415
Delta R.T. 0.16 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Instrument :
BNA_G
ClientSampleId :
C02L8RX

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	15.8	23.6#
277	24.5	18.9	28.3

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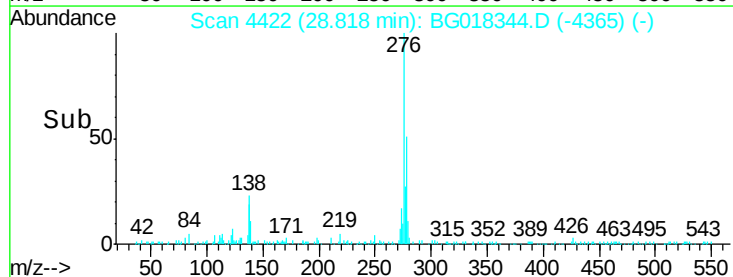
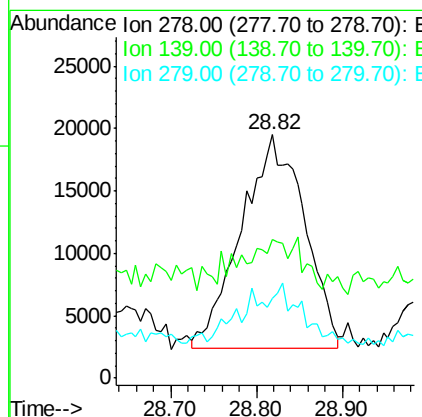
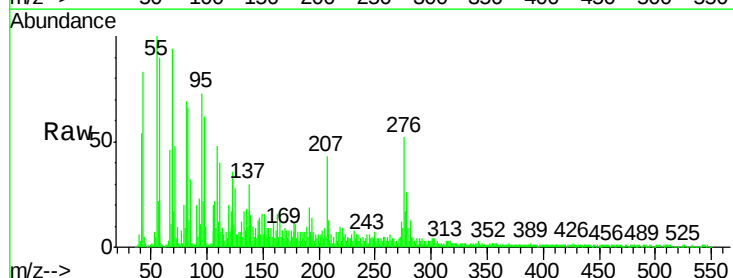
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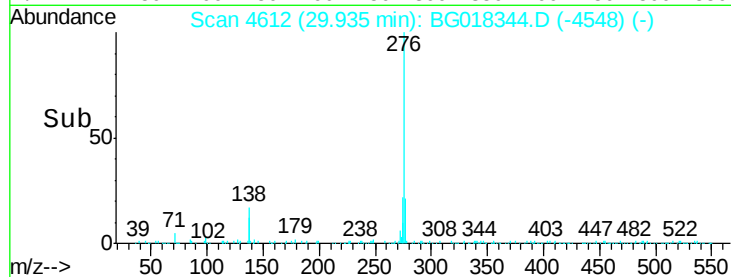
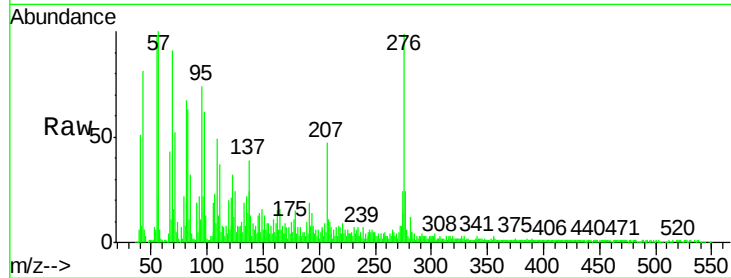
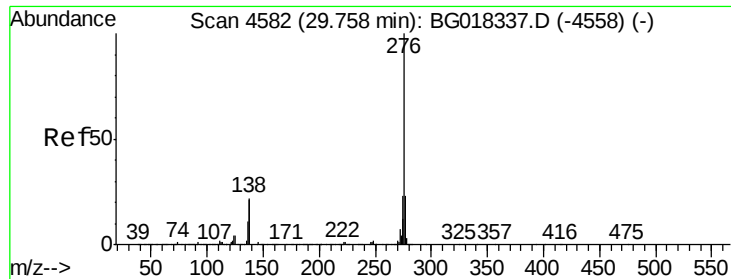


#93

Dibenzo(a,h)anthracene
Concen: 3.49 ng/ul m
RT: 28.82 min Scan# 4422
Delta R.T. 0.13 min
Lab File: BG018344.D
Acq: 10 Aug 2015 00:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	57.1	13.8	20.6#
279	32.8	17.8	26.8#





#94

Benzo(a,h,i)perylene

Concen: 12.23 ng/ul m

RT: 29.93 min Scan# 4612

Delta R.T. 0.18 min

Lab File: BG018344.D

Acq: 10 Aug 2015 00:50

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	16.5	24.7
277	23.9	19.0	28.6

Instrument :

BNA_G

ClientSampleId :

C02L8RX

Manual Integrations
APPROVED

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