

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018339.D
 Acq On : 9 Aug 2015 21:40
 Operator : UM/TP
 Sample : G3136-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01T4

Manual Integrations
 APPROVED

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 8/10/2015 7:25:57 PM

Quant Time: Aug 10 08:02:28 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	143720	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	682211	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.69	164	414982	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.44	188	811048	20.00	ng/ul	0.01
78) Chrysene-d12	21.71	240	688048	20.00	ng/ul	0.02
86) Perylene-d12	24.97	264	679383	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	4720	1.45	ng/uL	0.00
5) Phenol-d5	7.22	99	115922	8.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	81531	10.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	94270	9.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	57025	5.20	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	50650	9.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	51241	9.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	97064	8.44	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	46156	3.55	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	325517	9.32	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	391821	8.91	ng/ul	0.01
52) 4-Nitrophenol-d4	14.86	143	31485	5.01	ng/ul	0.00
58) Fluorene-d10	15.68	176	269827	8.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	22522	5.65	ng/ul	0.00
71) Anthracene-d10	17.54	188	355521	9.17	ng/ul	0.01
79) Pyrene-d10	19.82	212	336813	9.44	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.74	264	344369	9.55	ng/ul	0.04

Target Compounds

					Ovalue	
14) Acetophenone	8.88	105	16099	1.02	ng/ul#	55
28) Naphthalene	10.93	128	46373	1.29	ng/ul	98
34) 2-Methylnaphthalene	12.53	142	40246	1.54	ng/ul	86
45) Dimethylphthalate	14.14	163	148183	4.30	ng/ul#	97
59) Fluorene	15.74	166	35237	1.01	ng/ul#	85
70) Phenanthrene	17.48	178	233540	5.31	ng/ul	98
72) Anthracene	17.57	178	176700m	3.94	ng/ul	
75) Carbazole	17.83	167	75024	1.91	ng/ul#	85
76) Di-n-butylphthalate	18.40	149	86424	1.68	ng/ul#	89
77) Fluoranthene	19.49	202	329833	7.02	ng/ul	98
80) Pyrene	19.85	202	346369	7.45	ng/ul	98
81) Butylbenzylphthalate	20.73	149	88199	4.48	ng/ul#	81
83) Benzo(a)anthracene	21.69	228	143576	3.37	ng/ul#	82
84) Bis(2-ethylhexyl)phthalate	21.61	149	702623	25.27	ng/ul#	98
85) Chrysene	21.76	228	167589	4.20	ng/ul#	89
88) Benzo(b)fluoranthene	23.93	252	250228	5.86	ng/ul#	57
89) Benzo(k)fluoranthene	23.99	252	96405m	2.35	ng/ul	
91) Benzo(a)pyrene	24.81	252	161283	3.97	ng/ul#	41
92) Indeno(1,2,3-cd)pyrene	28.68	276	134996	2.87	ng/ul#	72
94) Benzo(g,h,i)perylene	29.84	276	133729	3.39	ng/ul#	71

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

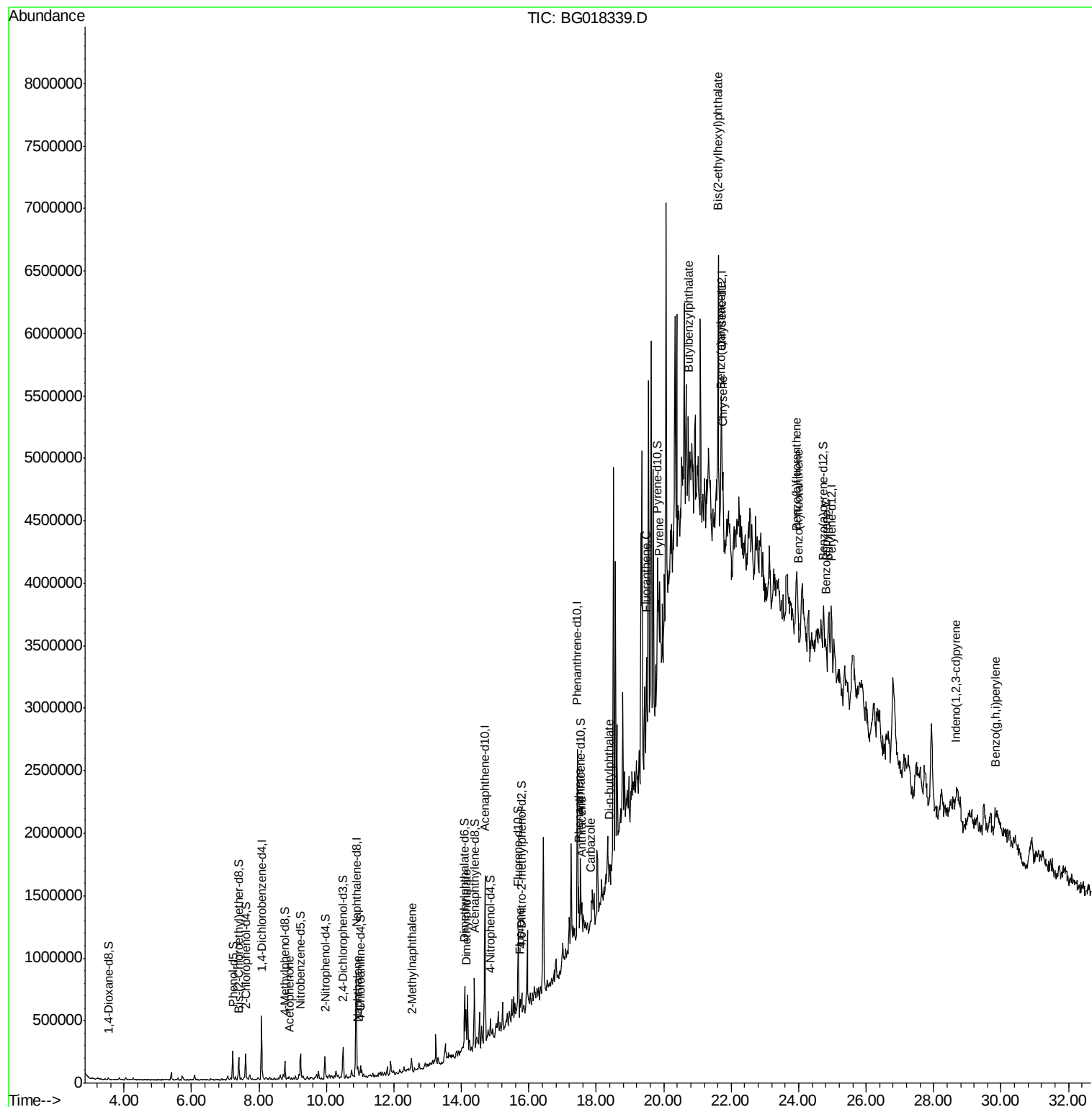
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018339.D
Acq On : 9 Aug 2015 21:40
Operator : UM/TP
Sample : G3136-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

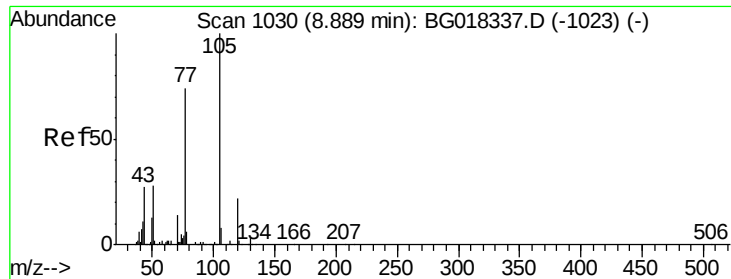
Instrument :
BNA_G
ClientSampled :
C01T4

Quant Time: Aug 10 08:02:28 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

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#14

Acetophenone

Concen: 1.02 ng/ul

RT: 8.88 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

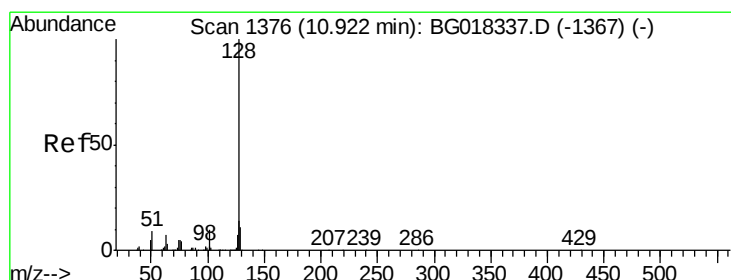
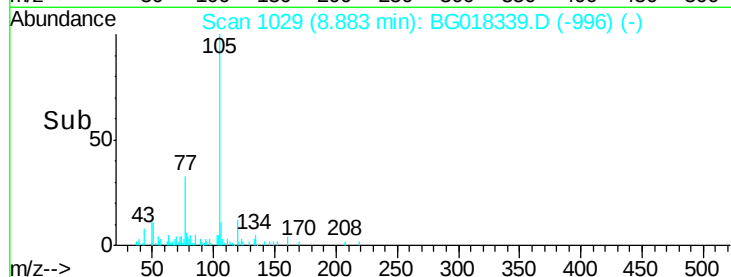
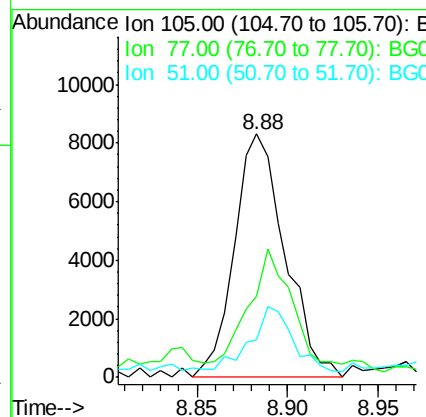
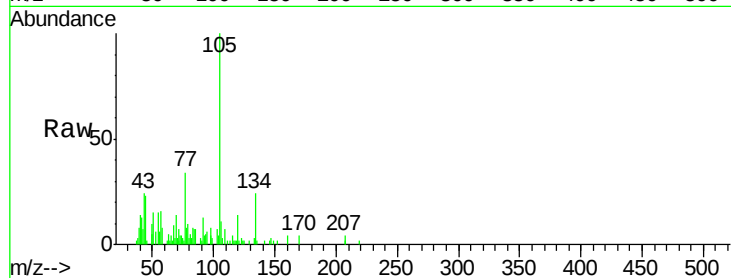
ClientSampleId :

C01T4

Tot Ion:	105	Resp:	16099
Ion Ratio		Lower	Upper
105	100		
77	33.5	61.9	92.9#
51	15.3	25.5	38.3#

Manual Integrations
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#28

Naphthalene

Concen: 1.29 ng/ul

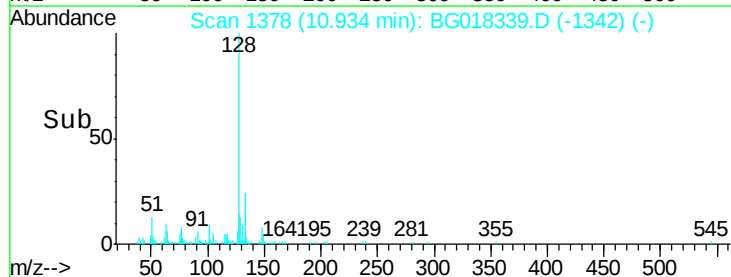
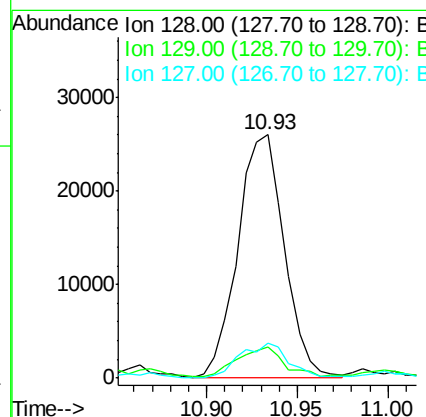
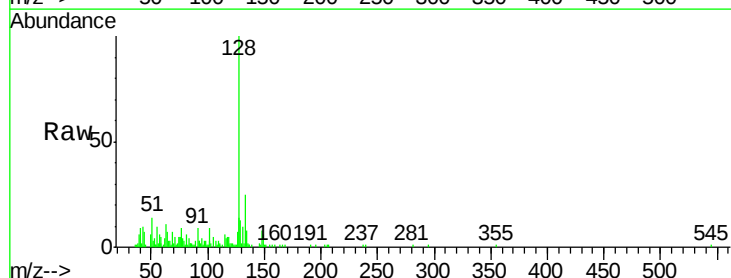
RT: 10.93 min Scan# 1378

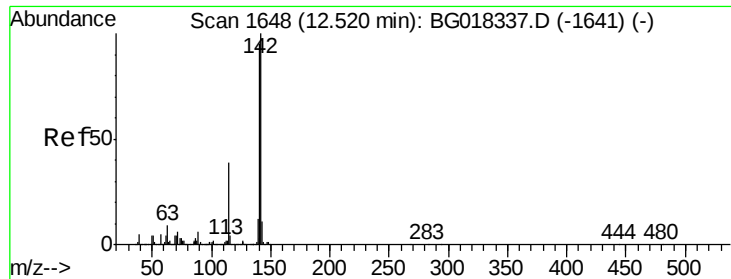
Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Tgt Ion:	128	Resp:	46373
Ion Ratio		Lower	Upper
128	100		
129	12.6	9.6	14.4
127	14.1	10.5	15.7





#34

2-Methylnaphthalene

Concen: 1.54 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

Tot Ion:142 Resp: 40246

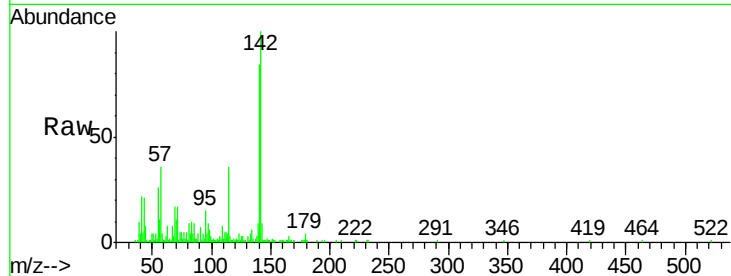
Ion Ratio Lower Upper

142 100

141 83.8 78.0 117.0

Manual Integrations
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.53

30000

25000

20000

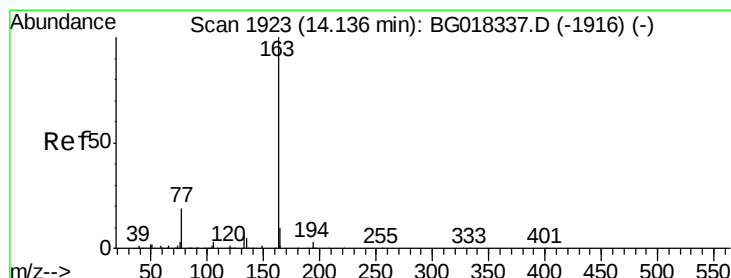
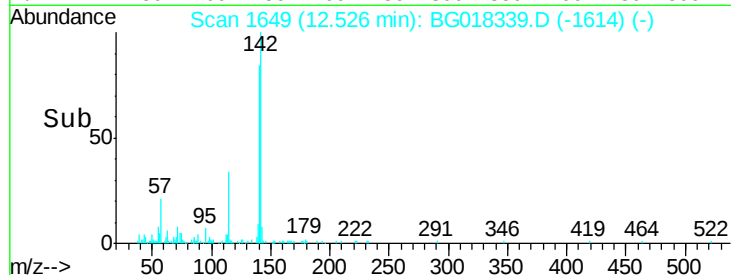
15000

10000

5000

0

Time--> 12.45 12.50 12.55



#45

Dimethylphthalate

Concen: 4.30 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

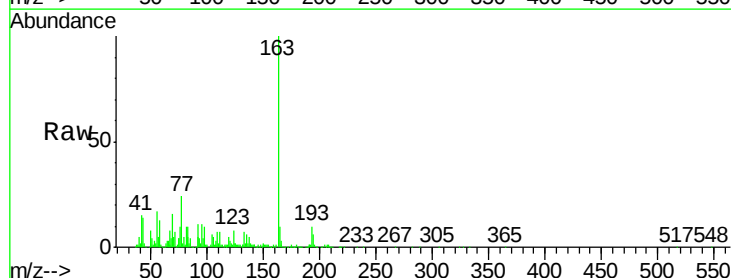
Tgt Ion:163 Resp: 148183

Ion Ratio Lower Upper

163 100

194 5.7 2.9 4.3#

164 10.0 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

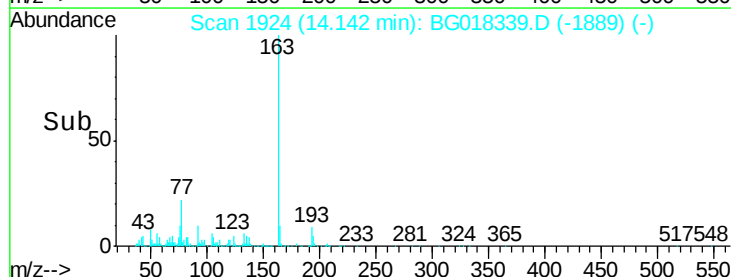
14.14

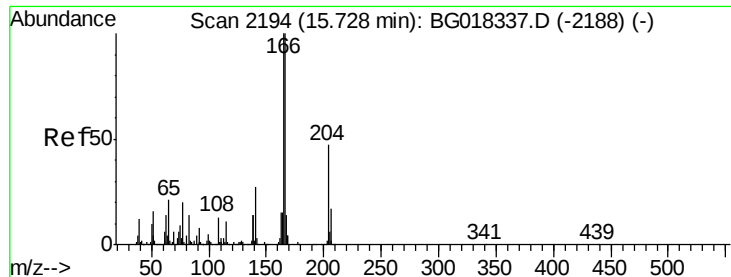
100000

50000

0

Time--> 14.10 14.15 14.20





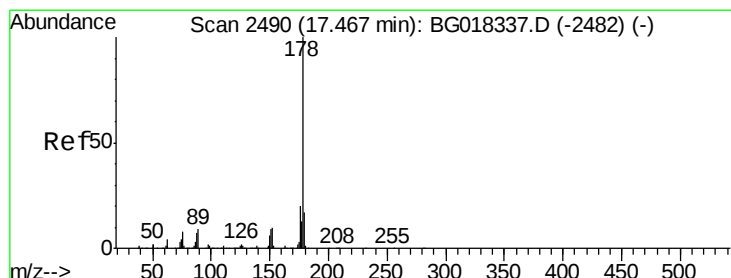
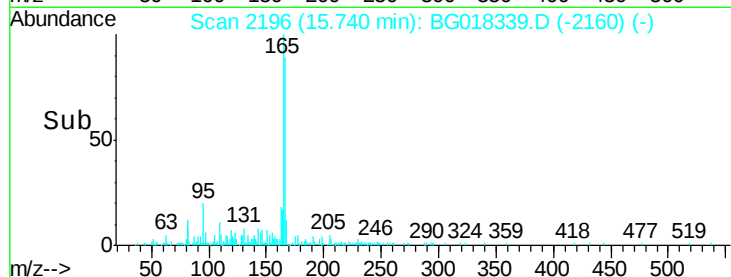
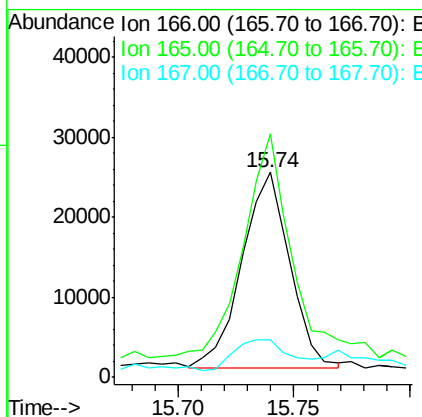
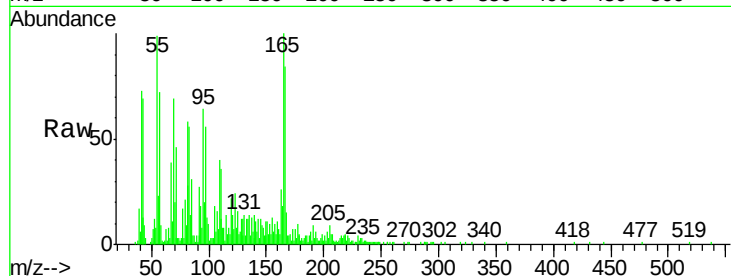
#59
Fluorene
 Concen: 1.01 ng/ul
 RT: 15.74 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

Instrument :
 BNA_G
 ClientSampleId :
 C01T4

Tot Ion	Ratio	Lower	Upper
166	100		
165	118.8	82.6	124.0
167	18.3	11.4	17.0

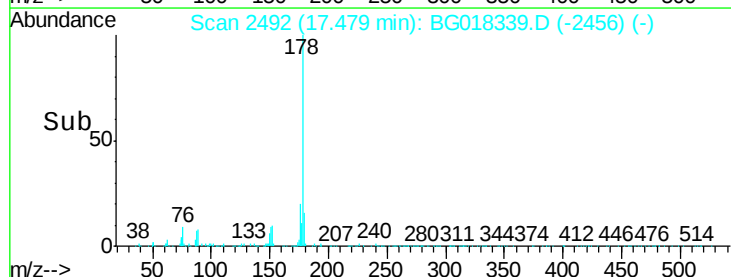
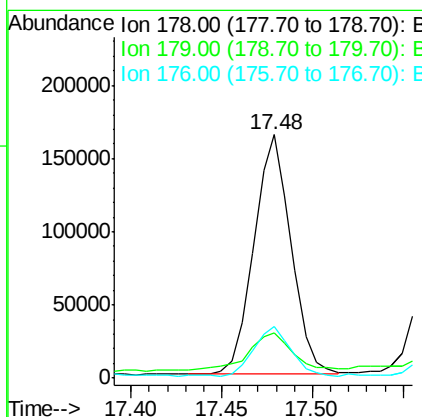
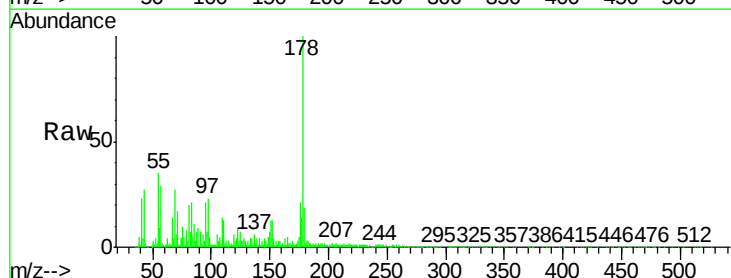
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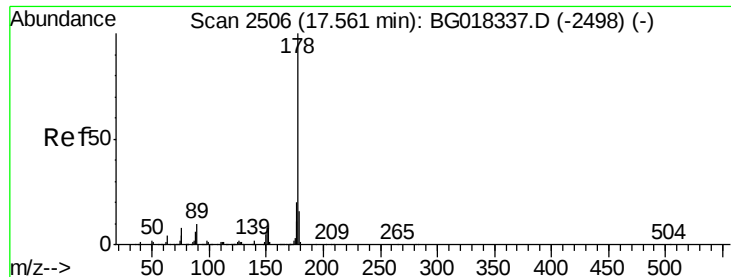
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#70
Phenanthrene
 Concen: 5.31 ng/ul
 RT: 17.48 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.7	13.7	20.5
176	21.1	16.6	24.8





#72

Anthracene

Concen: 3.94 ng/ul m

RT: 17.57 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

Tot Ion:178 Resp: 176700

Ion Ratio Lower Upper

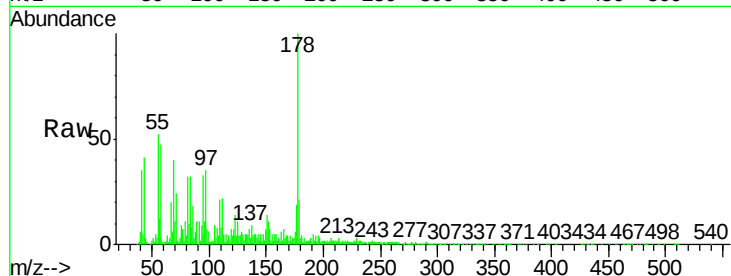
178 100

179 20.5 13.0 19.4#

176 19.4 16.0 24.0

Manual Integrations
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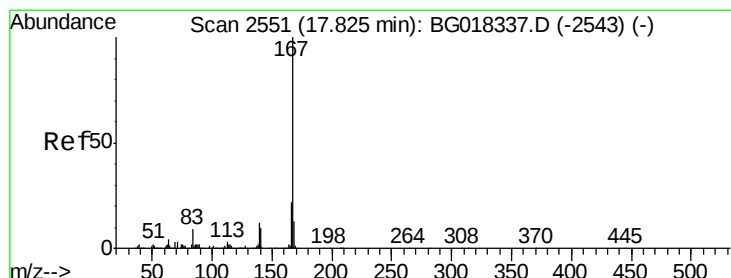
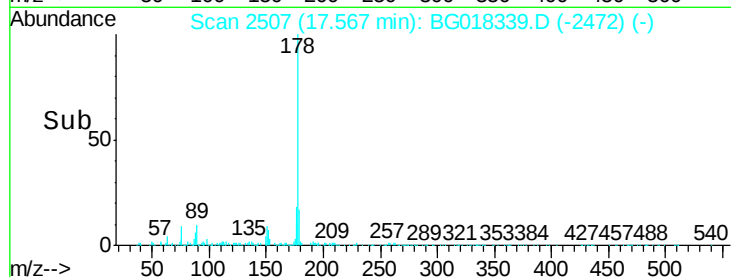
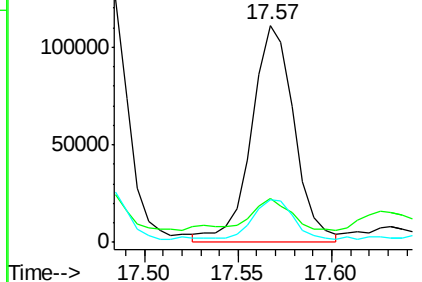
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1.91 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

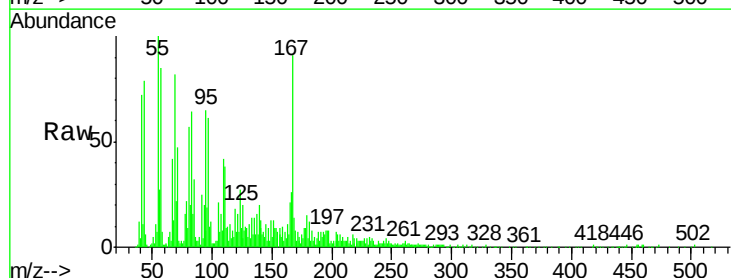
Tgt Ion:167 Resp: 75024

Ion Ratio Lower Upper

167 100

166 28.4 18.9 28.3#

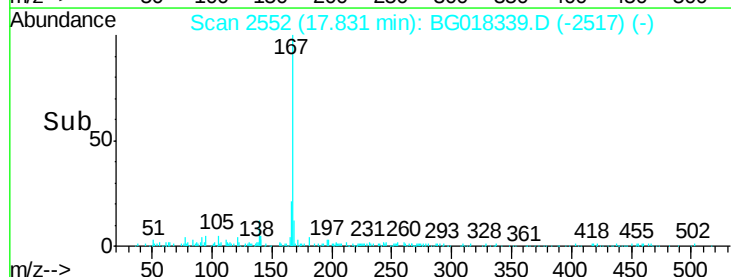
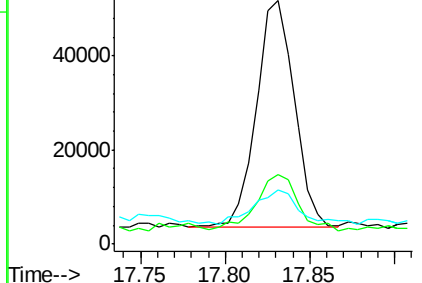
139 22.1 10.1 15.1#

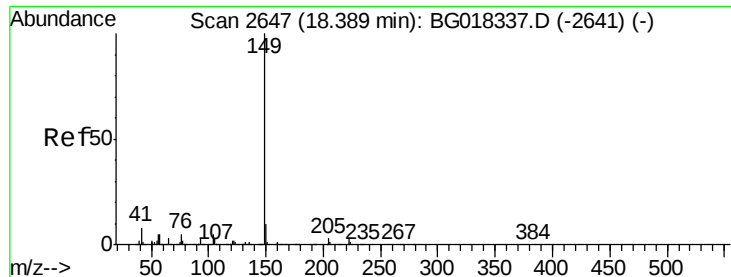


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 1.68 ng/ul

RT: 18.40 min Scan# 2649

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

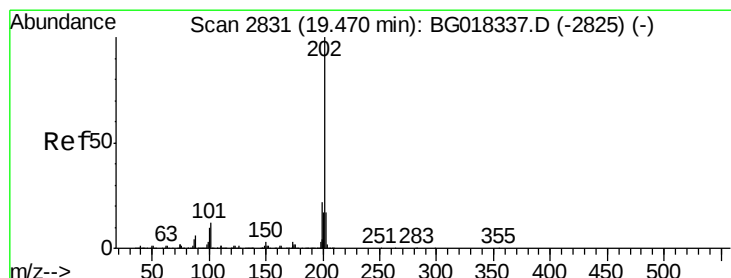
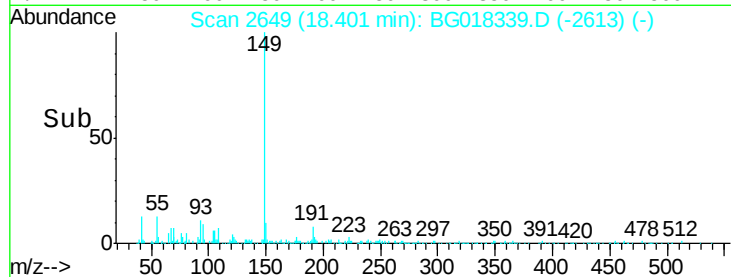
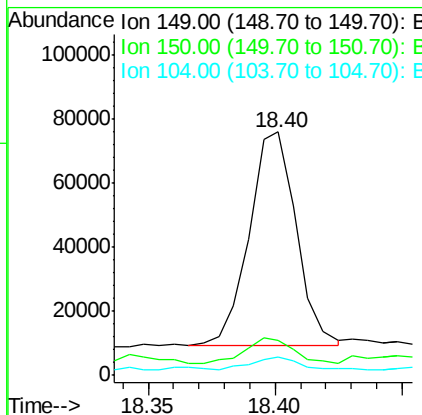
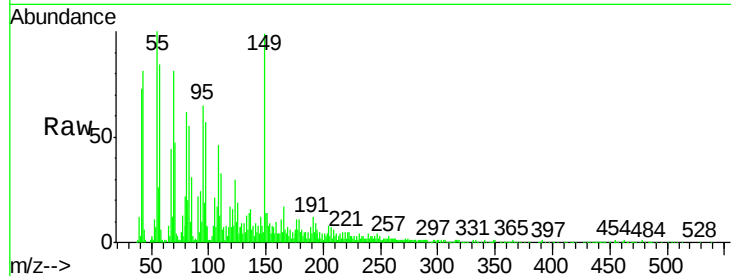
ClientSampleId :

C01T4

Tot Ion:	149	Resp:	86424
Ion Ratio	Lower	Upper	
149	100		
150	14.4	7.5	11.3#
104	7.7	4.3	6.5#

Manual Integrations
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#77

Fluoranthene

Concen: 7.02 ng/ul

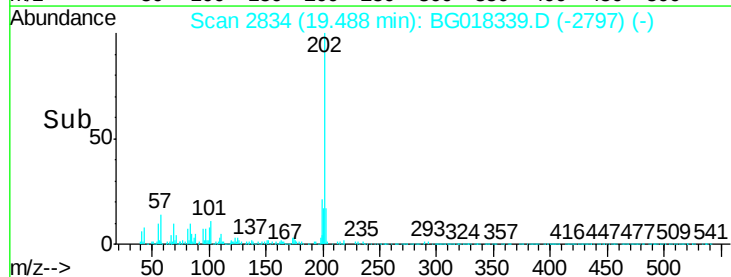
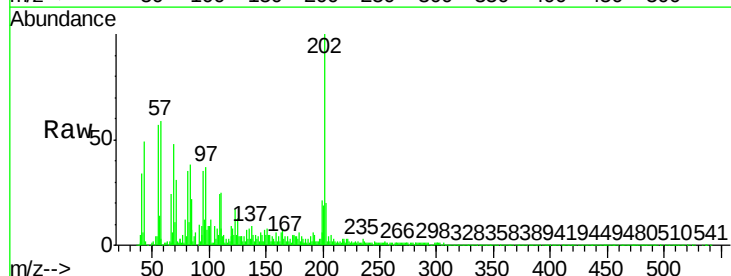
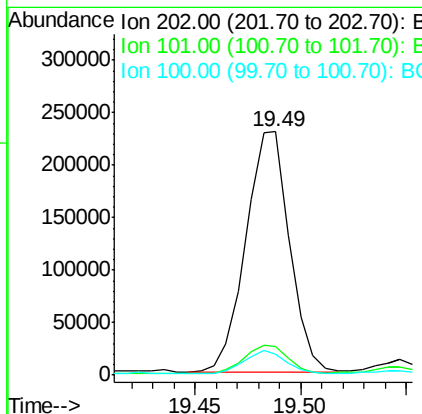
RT: 19.49 min Scan# 2834

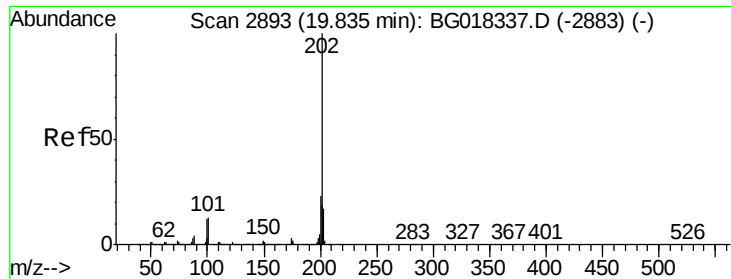
Delta R.T. 0.02 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Tgt Ion:	202	Resp:	329833
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.7	14.5
100	8.7	7.8	11.8





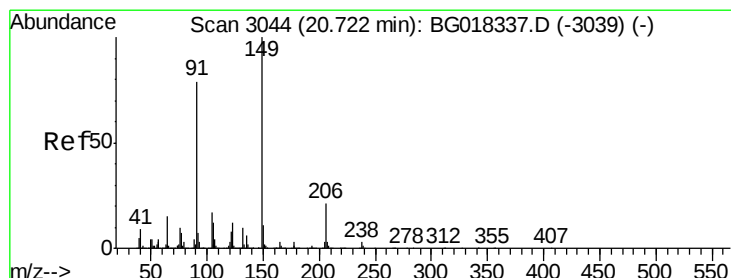
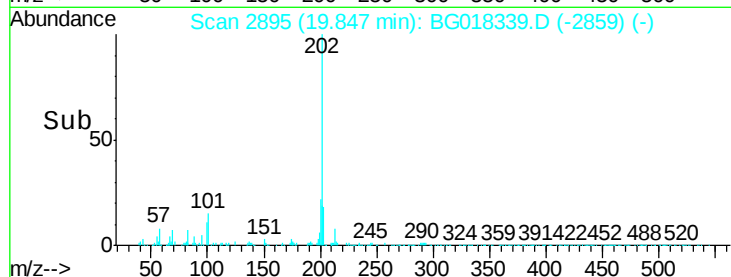
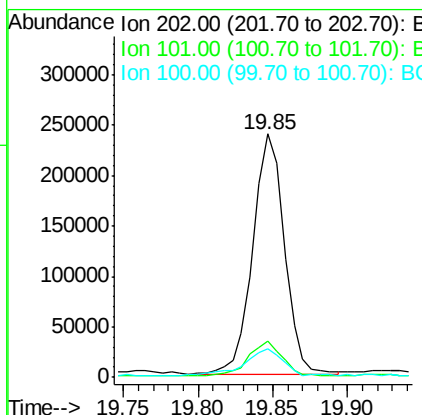
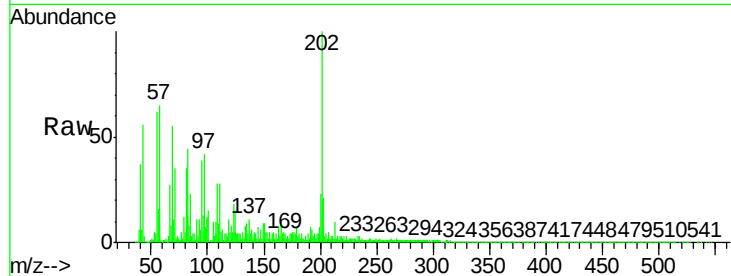
#80
Pvrene
Concen: 7.45 ng/ul
RT: 19.85 min Scan# 2895
Delta R.T. 0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01T4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	11.0	16.4
100	11.8	9.8	14.6

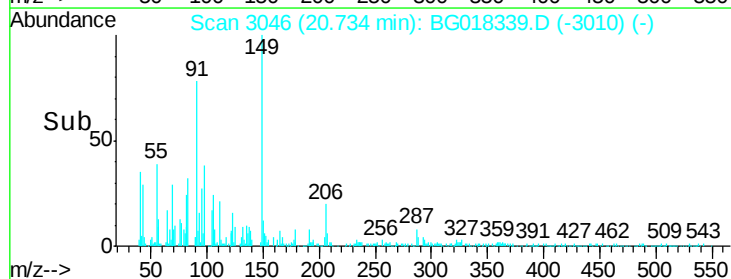
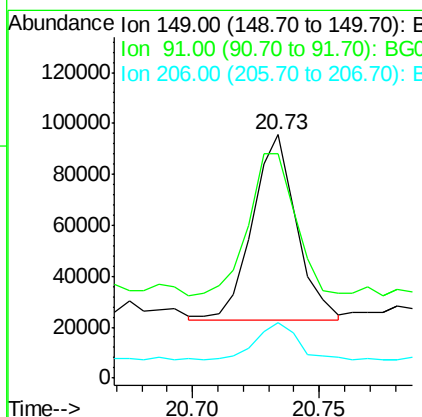
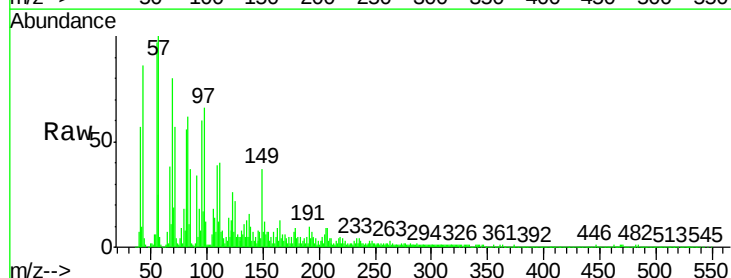
Manual Integrations
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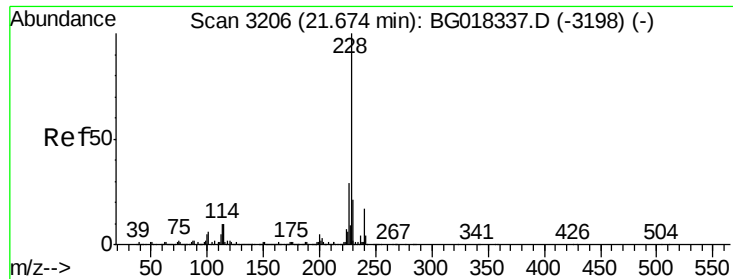
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#81
Butylbenzylphthalate
Concen: 4.48 ng/ul
RT: 20.73 min Scan# 3046
Delta R.T. 0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	92.4	57.9	86.9#
206	22.9	17.9	26.9





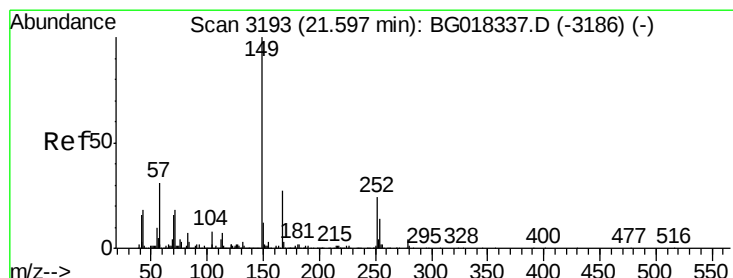
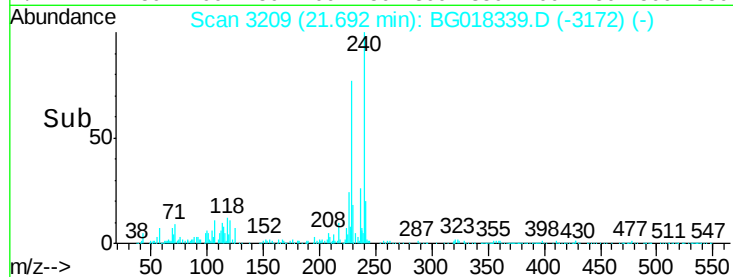
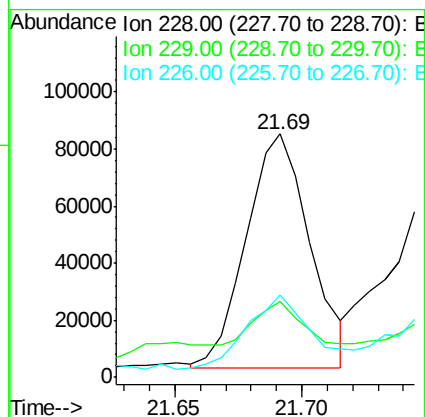
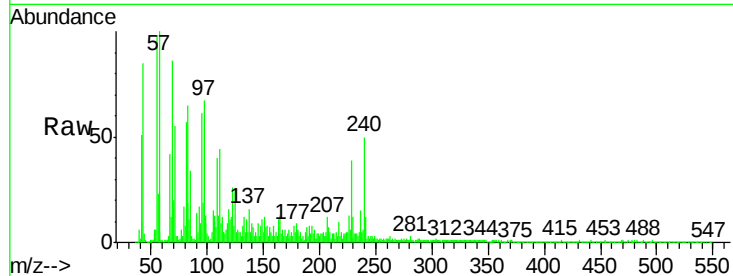
#83
Benzo(a)anthracene
Concen: 3.37 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. 0.02 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01T4

Tot Ion	Ratio	Lower	Upper
228	100		
229	31.2	15.5	23.3#
226	33.7	22.1	33.1#

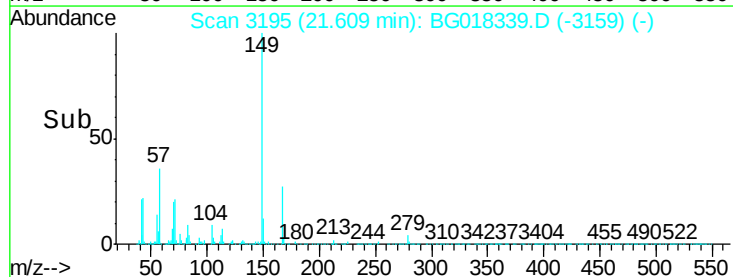
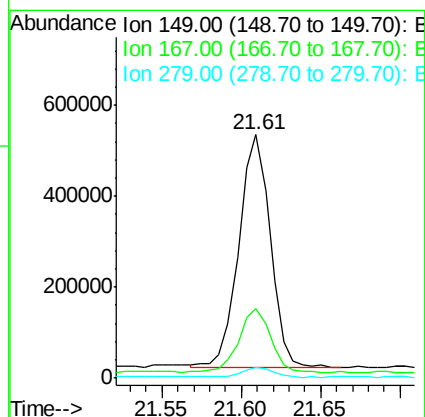
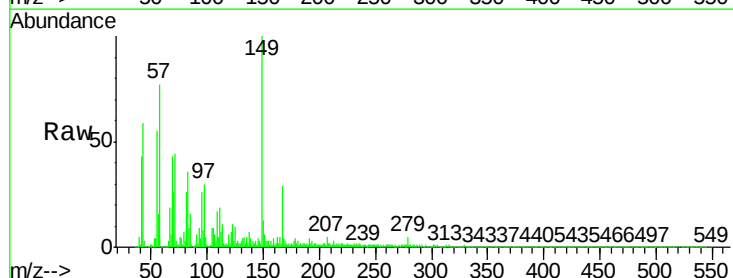
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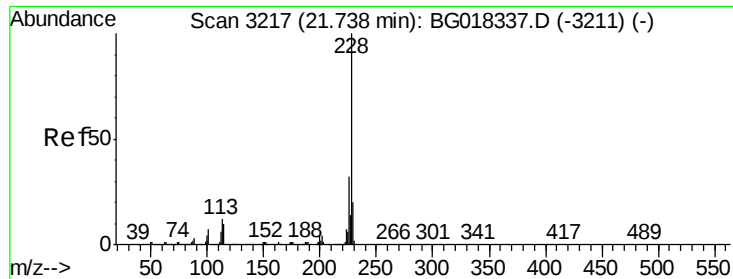
MMDadoda
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#84
Bis(2-ethylhexyl)phthalate
Concen: 25.27 ng/ul
RT: 21.61 min Scan# 3195
Delta R.T. 0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.2
279	4.6	2.8	4.2#





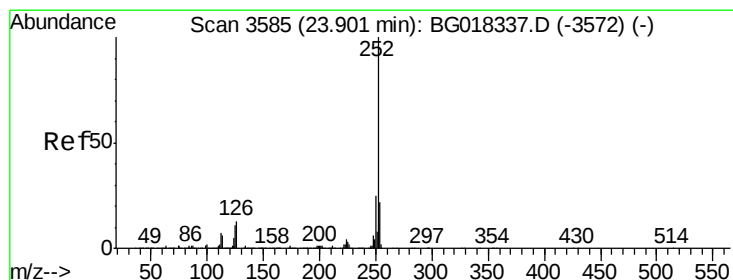
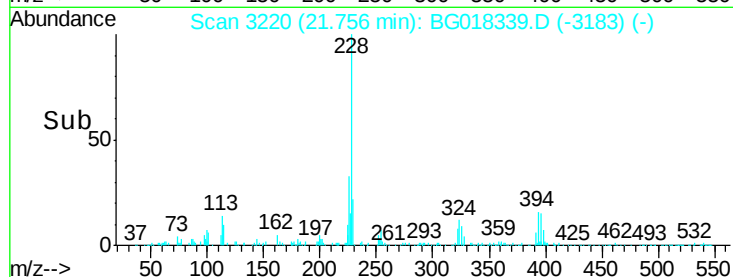
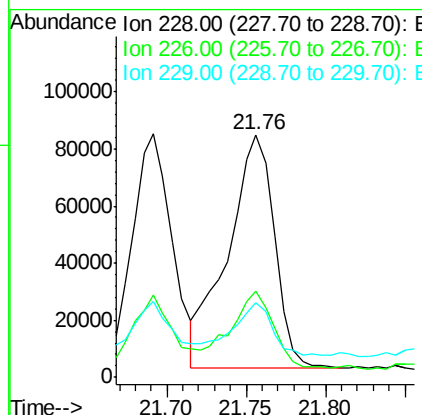
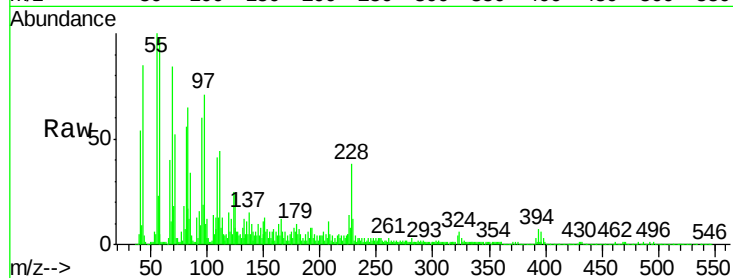
#85
Chrysene
Concen: 4.20 ng/ul
RT: 21.76 min Scan# 3220
Delta R.T. 0.02 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Instrument :
BNA_G
ClientSampled :
C01T4

Tot Ion	Ratio	Resp	Lower	Upper
228	100	167589		
226	35.3	26.5	39.7	
229	30.9	16.9	25.3#	

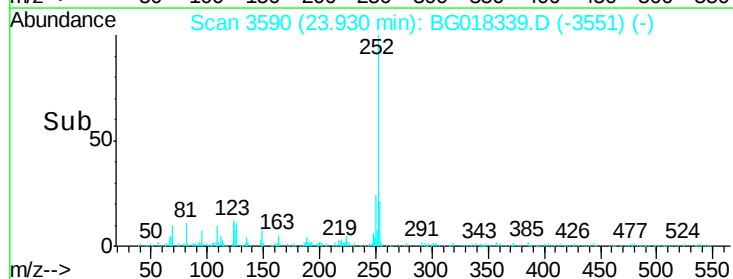
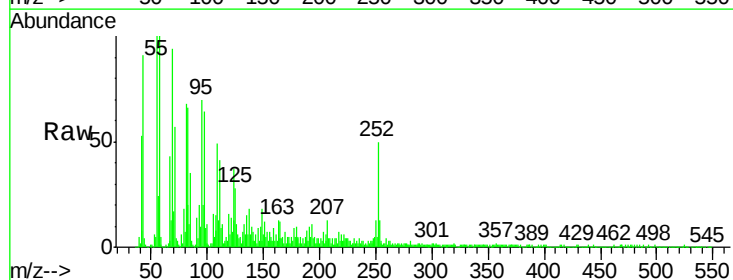
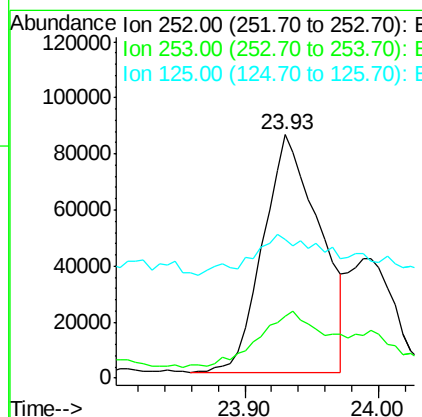
Manual Integrations
APPROVED

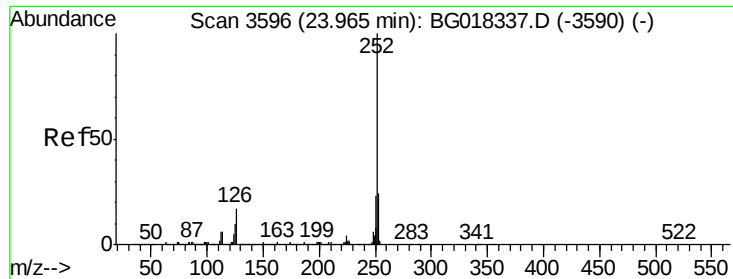
MMDadoda
8/10/2015 7:25:57 PM



#88
Benzo(b)fluoranthene
Concen: 5.86 ng/ul
RT: 23.93 min Scan# 3590
Delta R.T. 0.03 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	250228		
253	25.5	18.1	27.1	
125	57.1	8.3	12.5#	





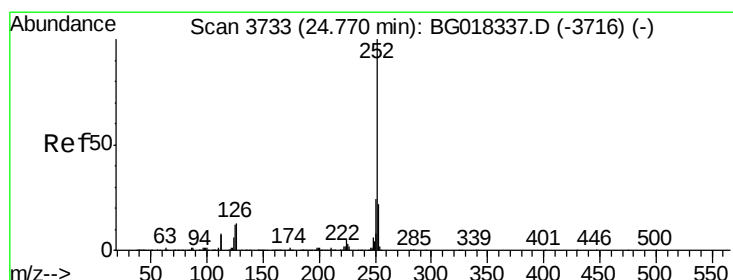
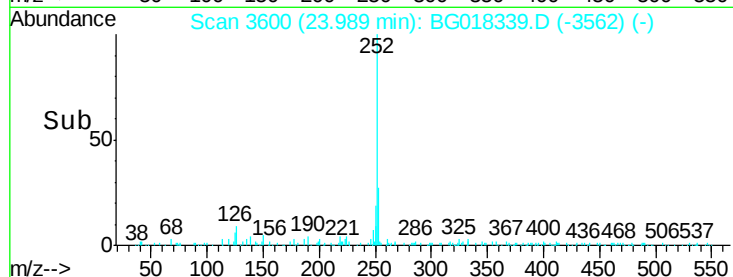
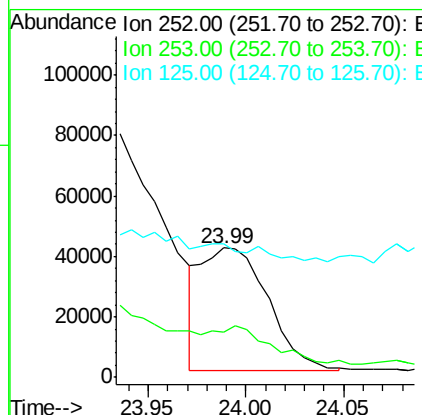
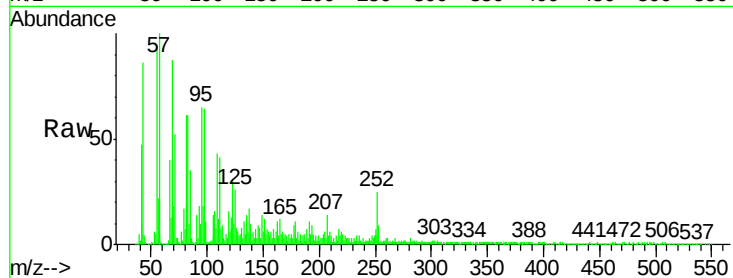
#89
Benzo(k)fluoranthene
Concen: 2.35 ng/ul m
RT: 23.99 min Scan# 3600
Delta R.T. 0.02 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01T4

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.1	17.8	26.6#
125	103.6	9.0	13.4#

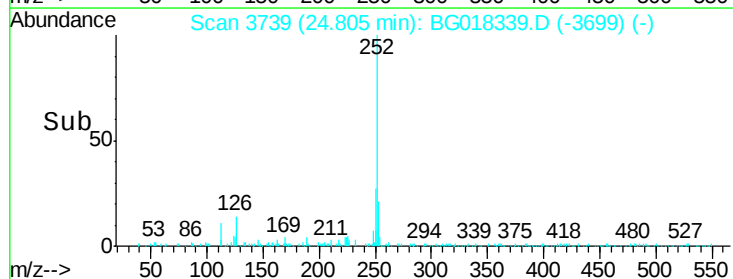
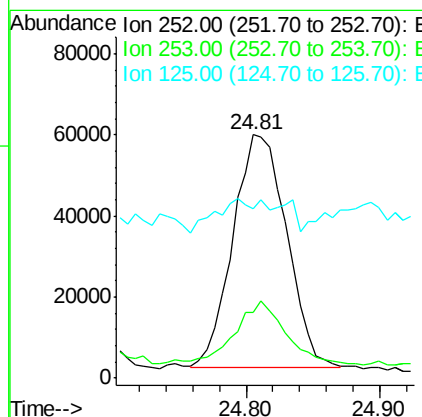
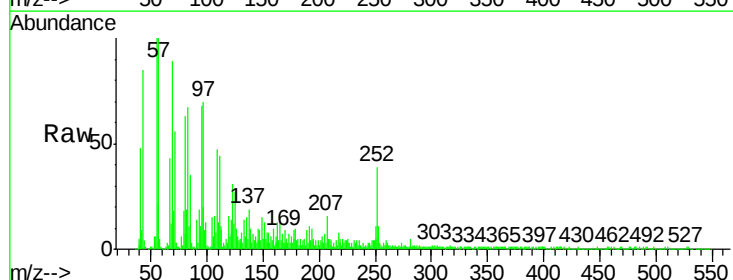
Manual Integrations
APPROVED

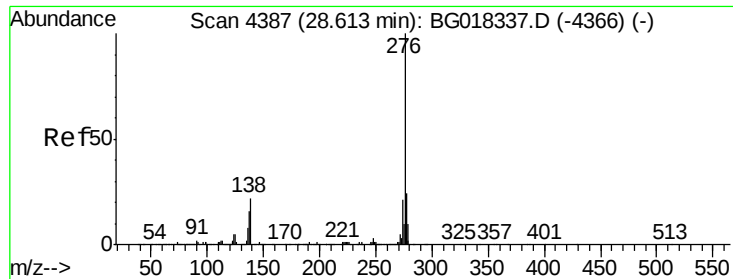
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#91
Benzo(a)pyrene
Concen: 3.97 ng/ul
RT: 24.81 min Scan# 3739
Delta R.T. 0.04 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.7	26.5#
125	69.5	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.87 ng/ul

RT: 28.68 min Scan# 4398

Delta R.T. 0.06 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

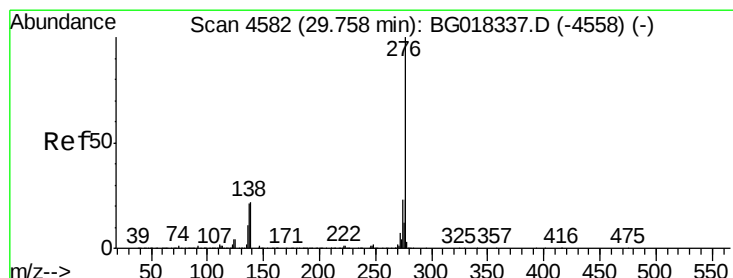
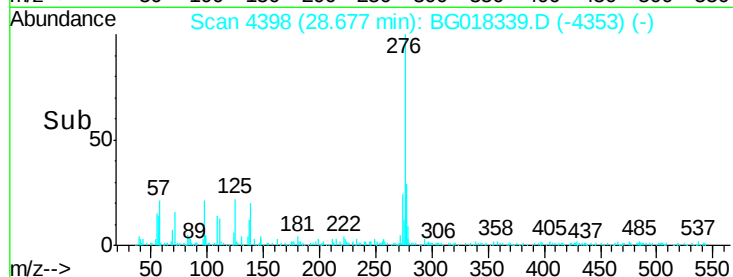
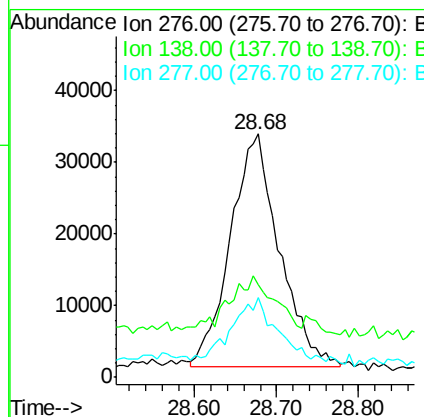
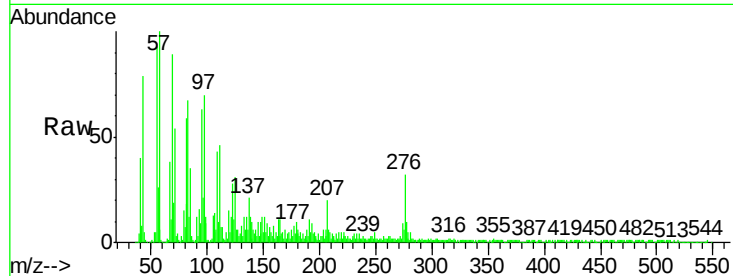
ClientSampleId :

C01T4

Tot Ion:	276	Resp:	134996
Ion Ratio	Lower	Upper	
276	100		
138	38.2	15.8	23.6#
277	32.6	18.9	28.3#

Manual Integrations
APPROVED

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#94

Benzo(g,h,i)perylene

Concen: 3.39 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. 0.08 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Tgt Ion:	276	Resp:	133729
Ion Ratio	Lower	Upper	
276	100		
138	39.9	16.5	24.7#
277	32.9	19.0	28.6#

