

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
 Data File : BG018237.D
 Acq On : 2 Aug 2015 21:40
 Operator : TP
 Sample : G3073-07RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01N7RE

Manual Integrations
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 8/4/2015 12:20:35 PM

Quant Time: Aug 03 08:08:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	85761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	363398	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	226526	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.92	188	383813	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	324027	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	280293	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2321	2.04	ng/uL	0.01
5) Phenol-d5	6.68	99	83105	10.78	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	41536	10.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	72726	12.49	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	63903	10.18	ng/ul	0.02
19) Nitrobenzene-d5	8.64	128	37561	13.12	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	37072	11.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	75145	12.94	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	56561	7.82	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	235069	13.43	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	238997	11.77	ng/ul	0.01
52) 4-Nitrophenol-d4	14.42	143	23316	7.20	ng/ul	0.02
58) Fluorene-d10	15.16	176	164878	10.41	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	542	0.20	ng/ul	0.02
71) Anthracene-d10	17.02	188	186264	11.16	ng/ul	0.02
79) Pyrene-d10	19.33	212	130833	8.35	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.18	264	118500	8.36	ng/ul	0.03

Target Compounds

					Qvalue	
28) Naphthalene	10.31	128	22074	1.26	ng/ul#	93
32) Caprolactam	11.19	113	6929	2.51	ng/ul	97
45) Dimethylphthalate	13.62	163	122248	7.02	ng/ul	97
50) Acenaphthene	14.22	153	40094	3.05	ng/ul	94
54) Dibenzofuran	14.56	168	30144	1.52	ng/ul#	73
59) Fluorene	15.22	166	47155	2.76	ng/ul	94
70) Phenanthrene	16.96	178	506999	26.00	ng/ul	99
72) Anthracene	17.05	178	132143	6.81	ng/ul	98
75) Carbazole	17.33	167	53001	3.29	ng/ul	95
76) Di-n-butylphthalate	17.90	149	32734	1.53	ng/ul#	95
77) Fluoranthene	19.00	202	532021	24.84	ng/ul#	91
80) Pyrene	19.36	202	447331	22.76	ng/ul#	90
83) Benzo(a)anthracene	21.12	228	243167	13.94	ng/ul	98
85) Chrysene	21.17	228	233531	14.61	ng/ul	96
88) Benzo(b)fluoranthene	22.67	252	316041	18.77	ng/ul	98
89) Benzo(k)fluoranthene	22.71	252	97121m	6.28	ng/ul	
91) Benzo(a)pyrene	23.23	252	186241	12.36	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.53	276	79876	4.58	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.53	278	23163	1.55	ng/ul#	75
94) Benzo(g,h,i)perylene	26.21	276	60588	4.26	ng/ul#	87

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

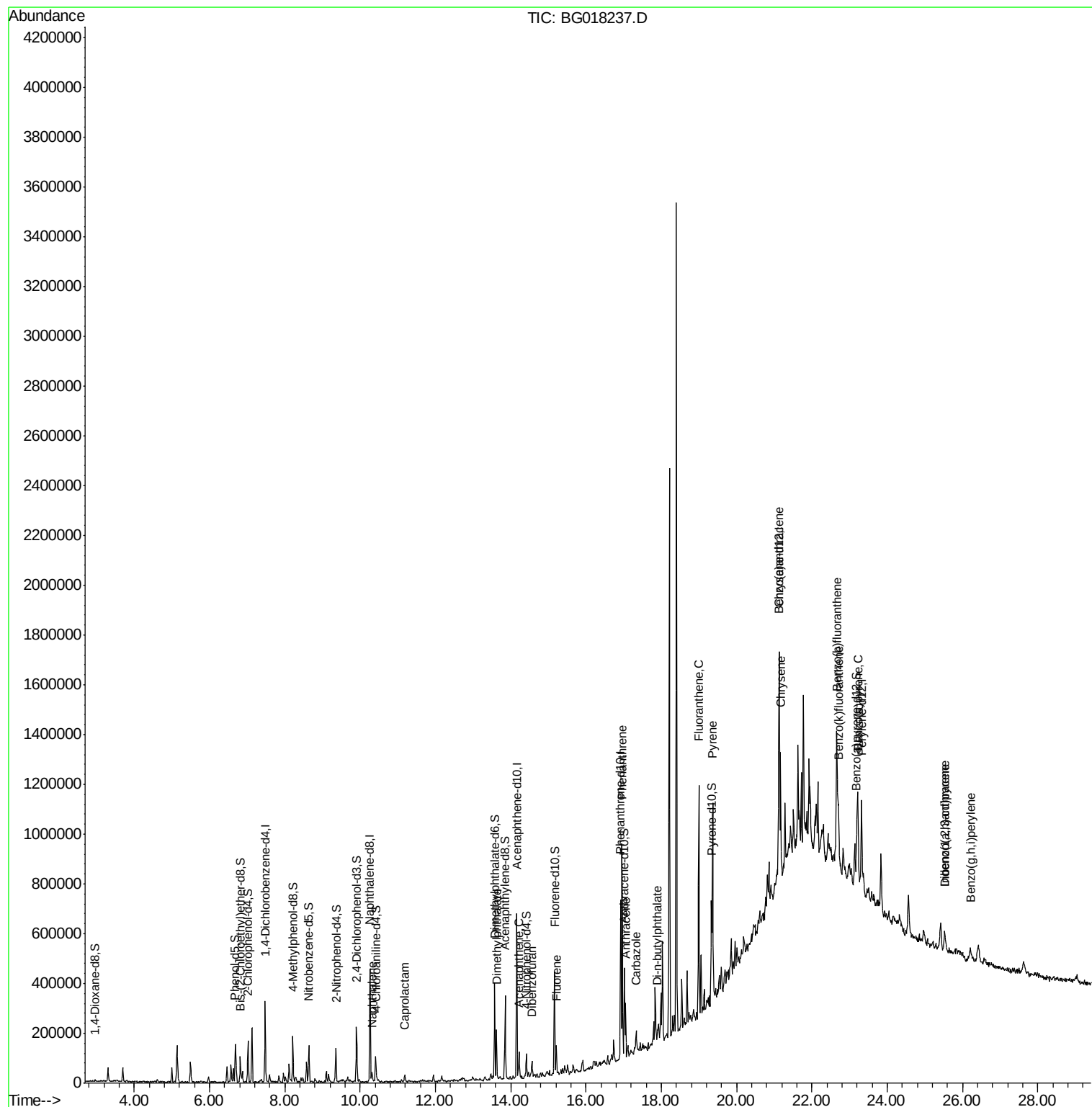
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

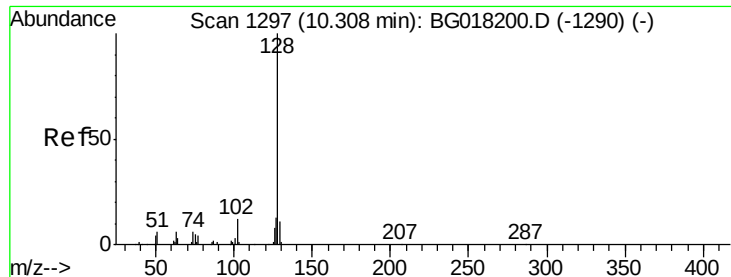
Instrument :
BNA_G
ClientSampleId :
C01N7RE

Quant Time: Aug 03 08:08:21 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

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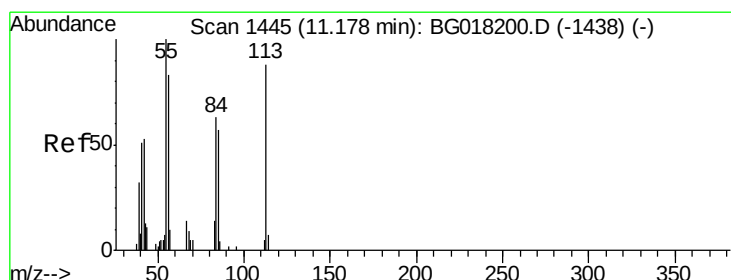
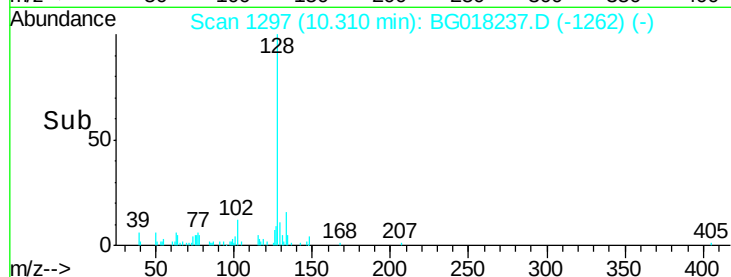
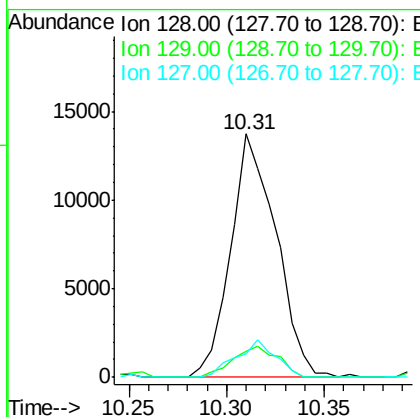
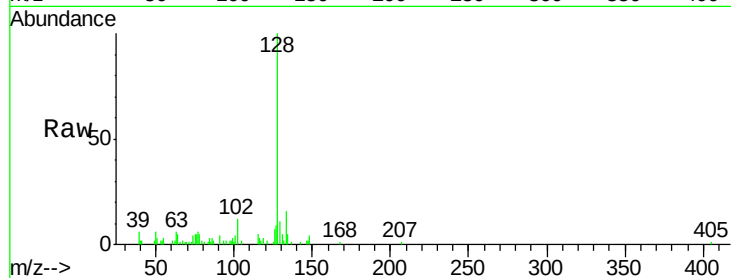
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Naphthalene
Concen: 1.26 ng/ul
RT: 10.31 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	9.5	11.2	16.8#

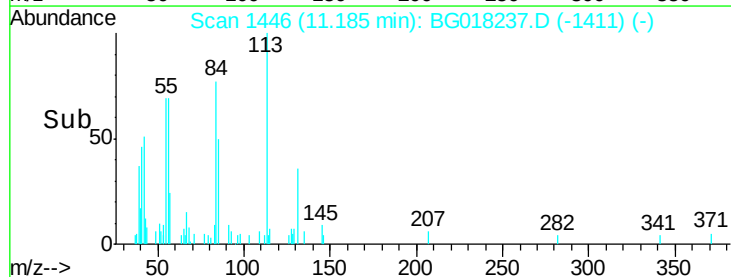
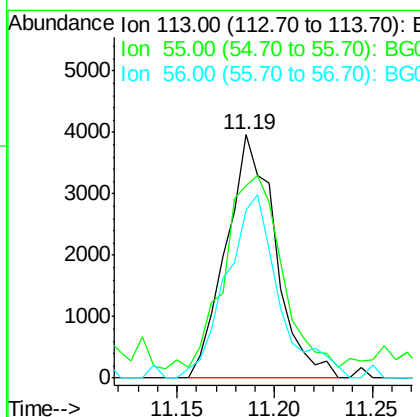
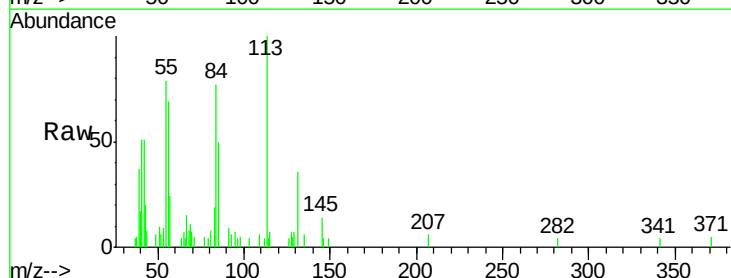
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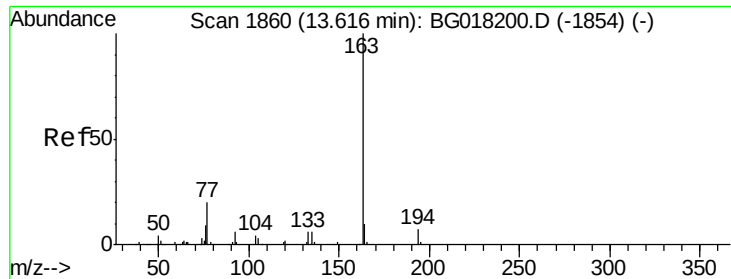
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#32
Caprolactam
Concen: 2.51 ng/ul
RT: 11.19 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

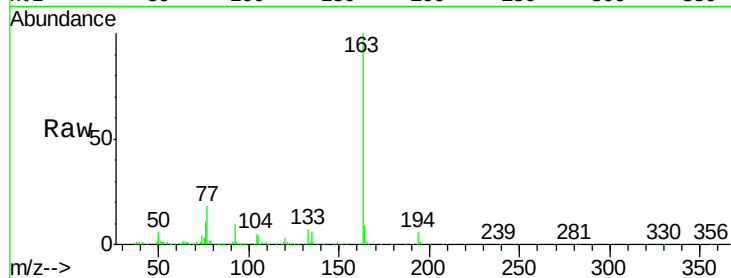
Tgt Ion	Ratio	Lower	Upper
113	100		
55	78.8	64.6	96.8
56	69.0	53.2	79.8





#45
Dimethylphthalate
Concen: 7.02 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

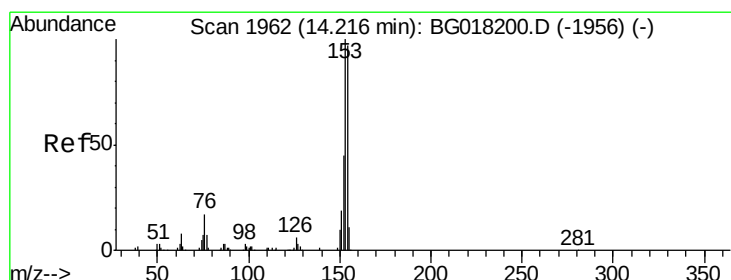
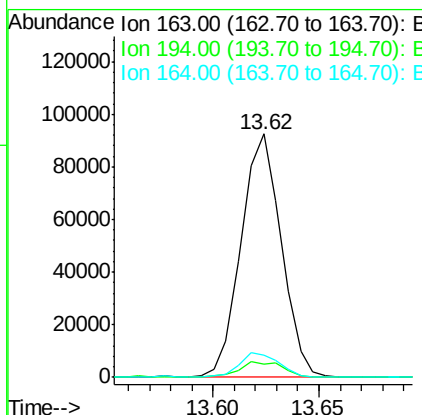
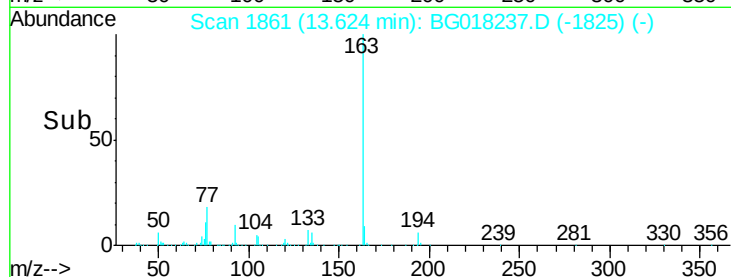
Instrument :
BNA_G
ClientSampleId :
C01N7RE



Tgt Ion	Ratio	Resp	Lower	Upper
163	100	122248		
194	5.7	5.2	7.8	
164	9.1	8.4	12.6	

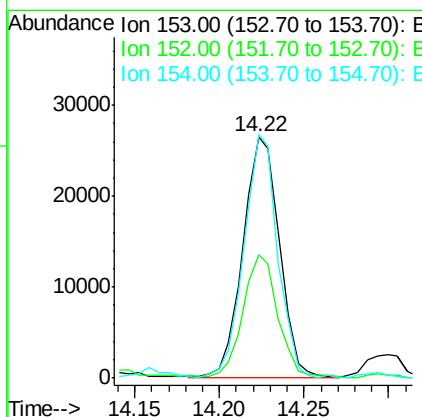
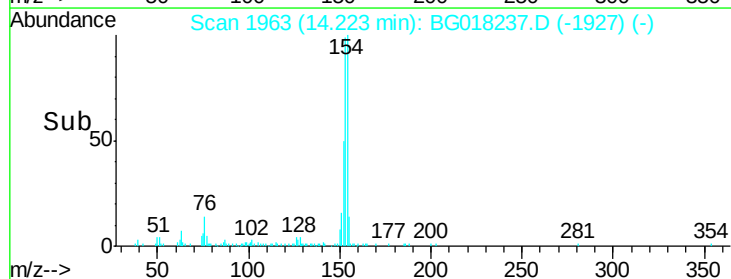
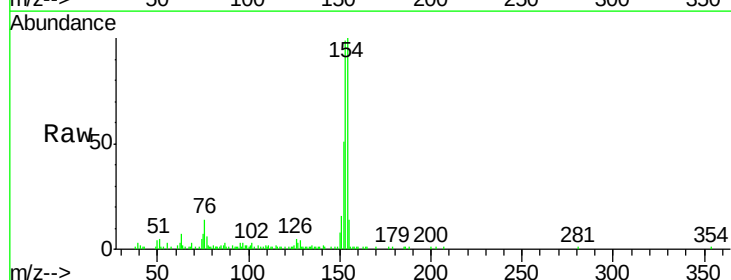
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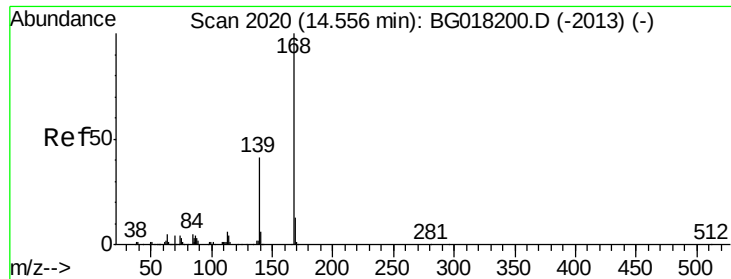
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#50
Acenaphthene
Concen: 3.05 ng/ul
RT: 14.22 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	40094		
152	51.2	38.7	58.1	
154	100.9	74.8	112.2	





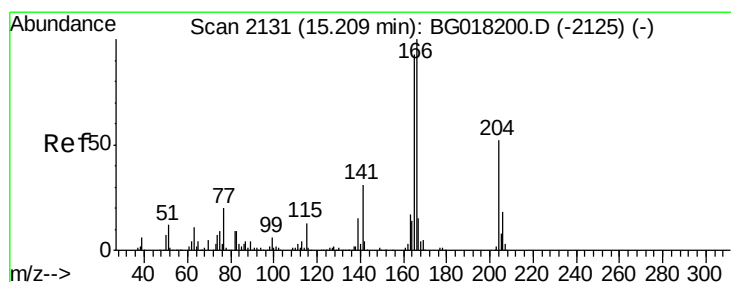
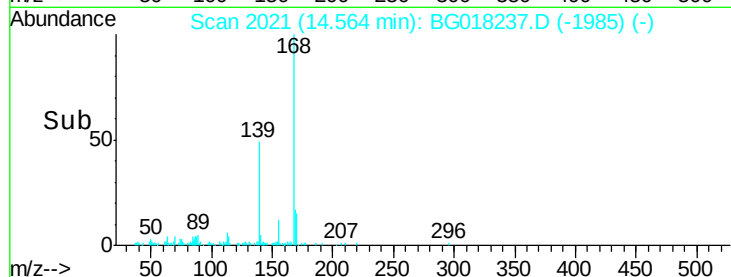
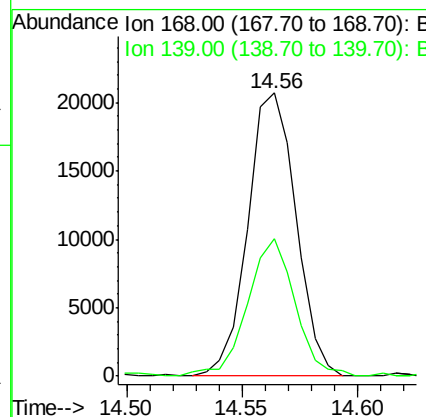
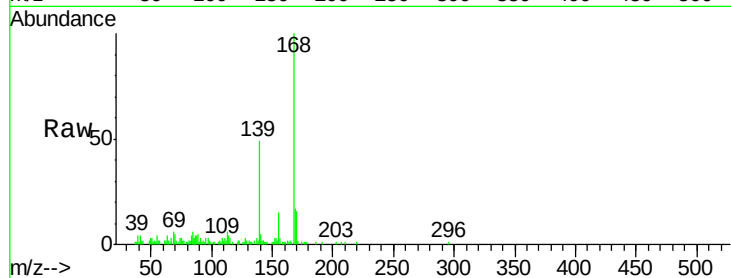
#54
Dibenzenofuran
Concen: 1.52 ng/ul
RT: 14.56 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion:168 Resp: 30144
Ion Ratio Lower Upper
168 100
139 48.8 26.8 40.2#

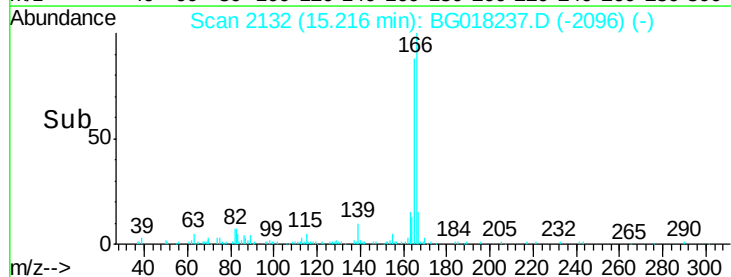
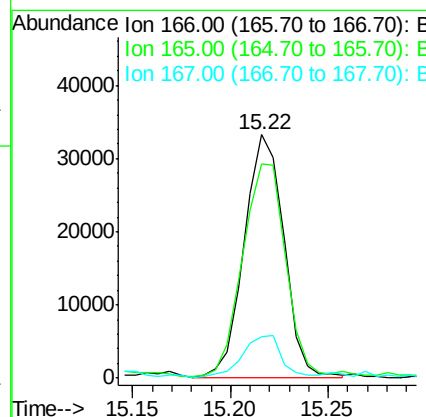
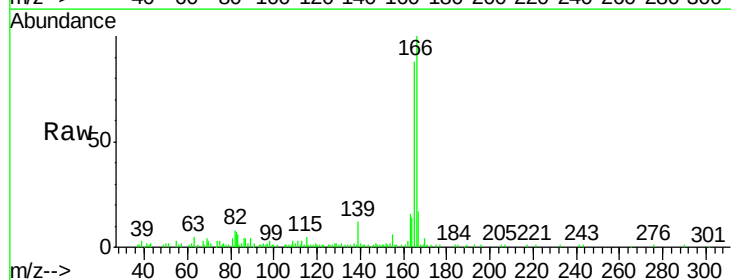
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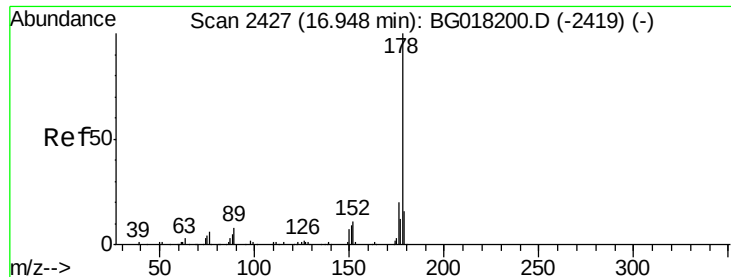
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#59
Fluorene
Concen: 2.76 ng/ul
RT: 15.22 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion:166 Resp: 47155
Ion Ratio Lower Upper
166 100
165 88.1 75.1 112.7
167 16.9 11.8 17.6





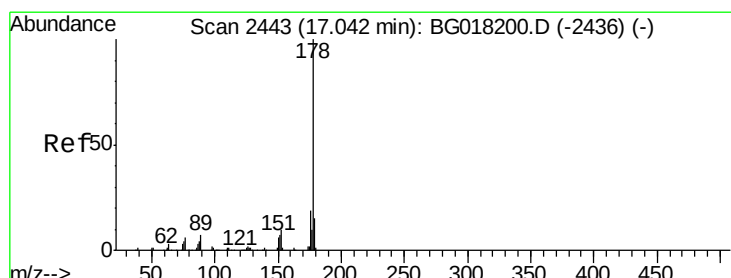
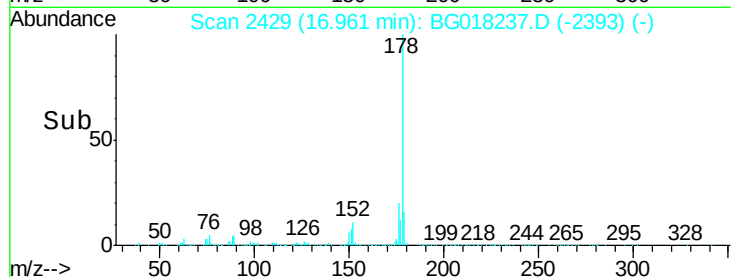
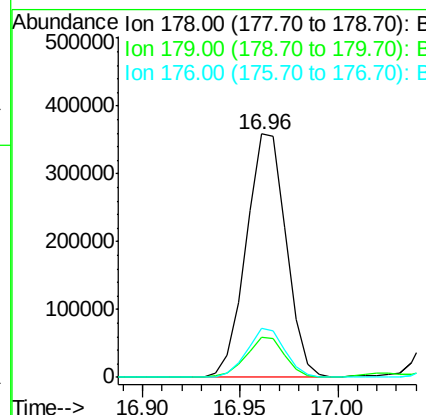
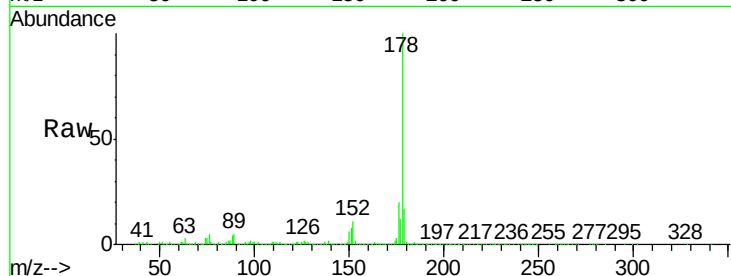
#70
Phenanthrene
Concen: 26.00 ng/ul
RT: 16.96 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	506999		
179	16.6		12.8	19.2
176	20.0		16.0	24.0

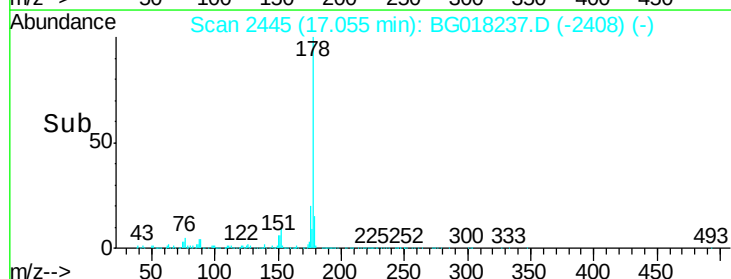
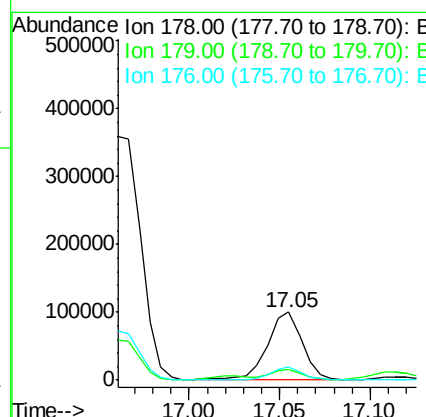
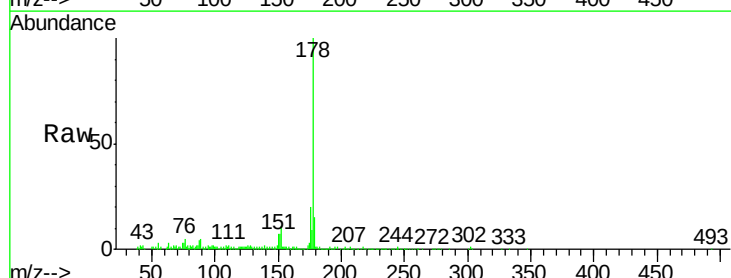
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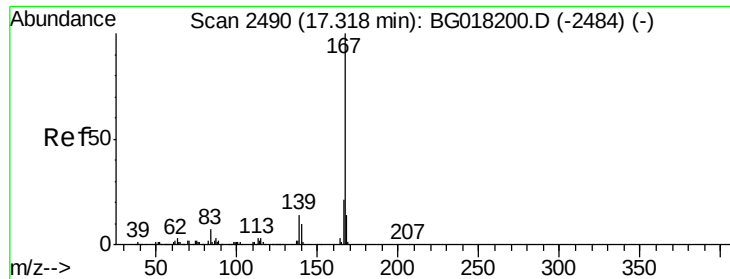
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#72
Anthracene
Concen: 6.81 ng/ul
RT: 17.05 min Scan# 2445
Delta R.T. 0.02 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	132143		
179	15.4		12.2	18.2
176	19.7		14.8	22.2





#75

Carbazole

Concen: 3.29 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

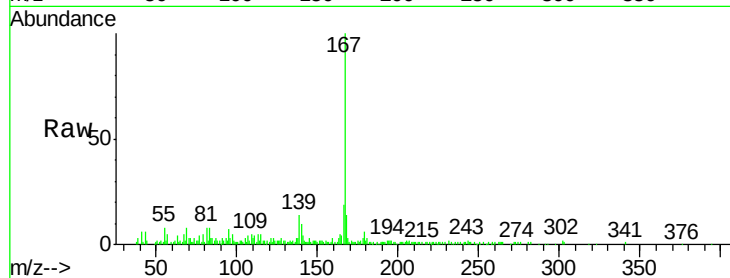
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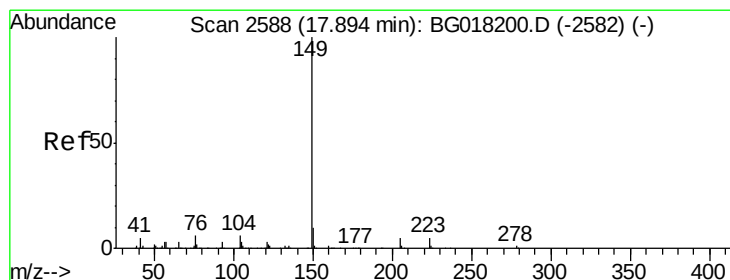
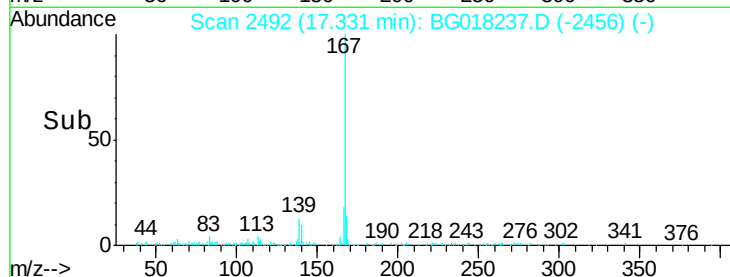
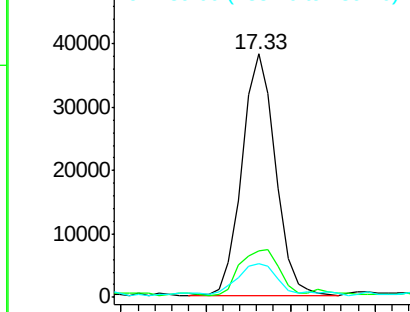
Manual Integrations
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Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.2	17.5	26.3
139	14.0	10.1	15.1



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



#76

Di-n-butylphthalate

Concen: 1.53 ng/ul

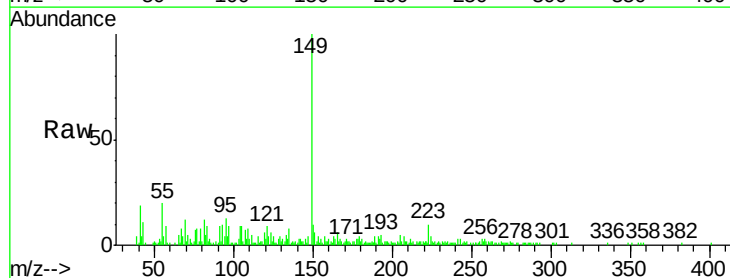
RT: 17.90 min Scan# 2589

Delta R.T. 0.01 min

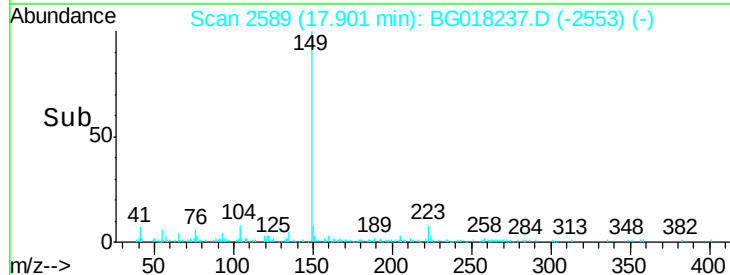
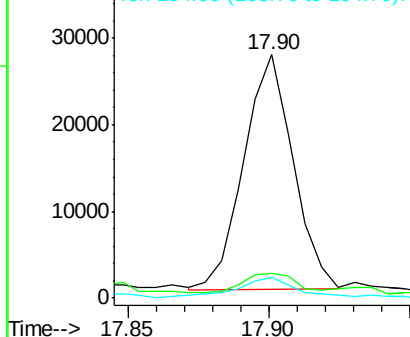
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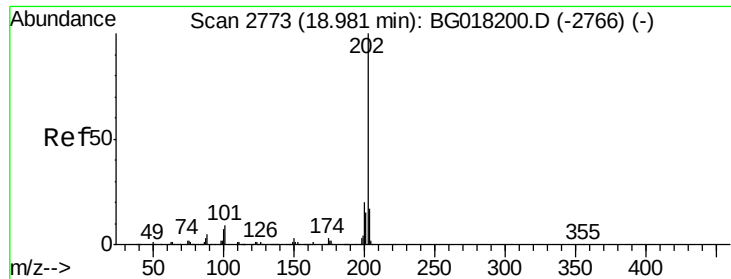
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	8.6	3.6	5.4#



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





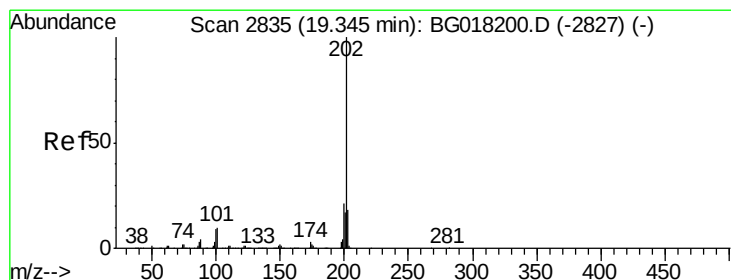
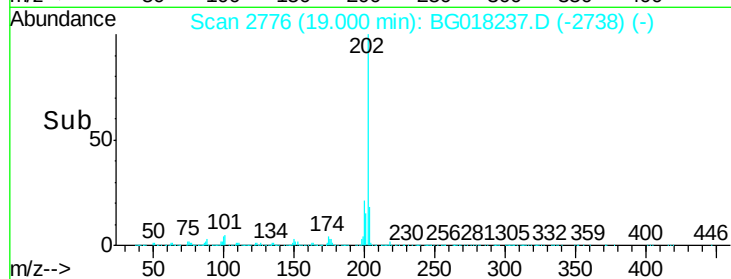
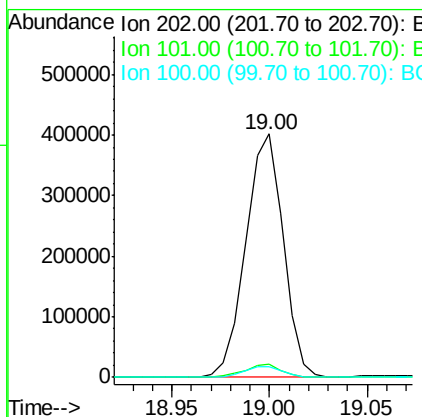
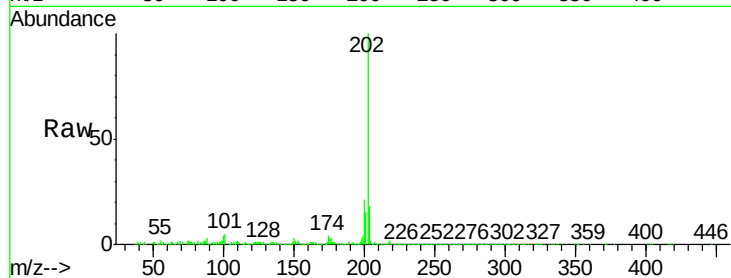
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 Fluoranthene
 Concen: 24.84 ng/ul
 RT: 19.00 min Scan# 2776
 Delta R.T. 0.02 min
 Lab File: BG018237.D
 Acq: 2 Aug 2015 21:40

Instrument :
 BNA_G
 ClientSampleId :
 C01N7RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	532021		
101	5.5	7.5	11.3#	
100	4.3	5.5	8.3#	

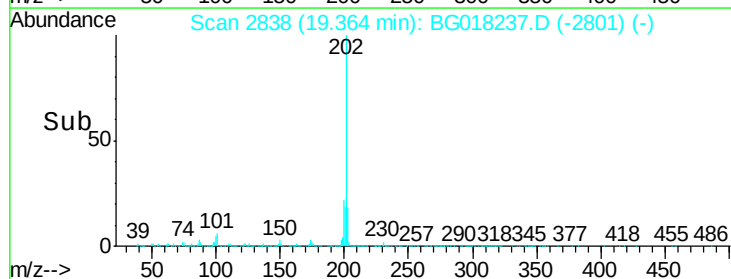
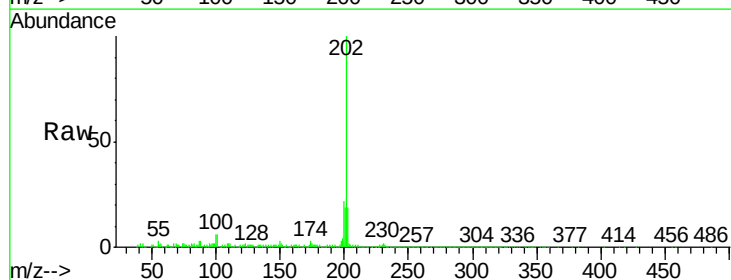
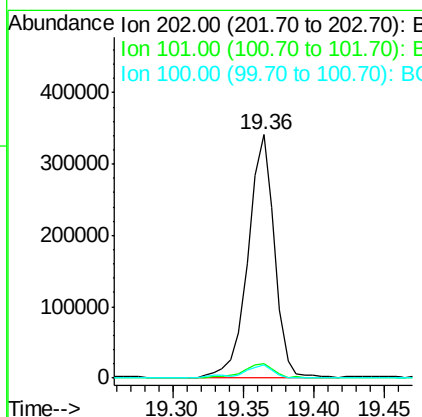
Manual Integrations
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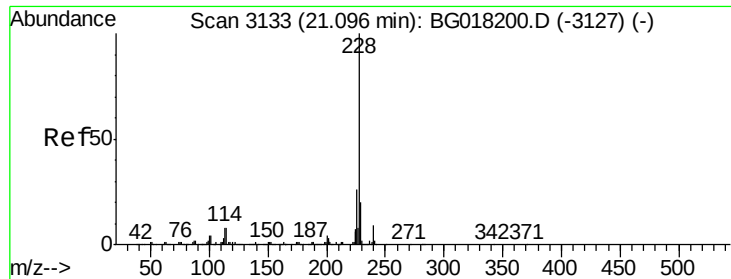
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 8/4/2015 12:20:35 PM



#80
 Pyrene
 Concen: 22.76 ng/ul
 RT: 19.36 min Scan# 2838
 Delta R.T. 0.02 min
 Lab File: BG018237.D
 Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	447331		
101	6.2	8.1	12.1#	
100	5.5	7.4	11.0#	





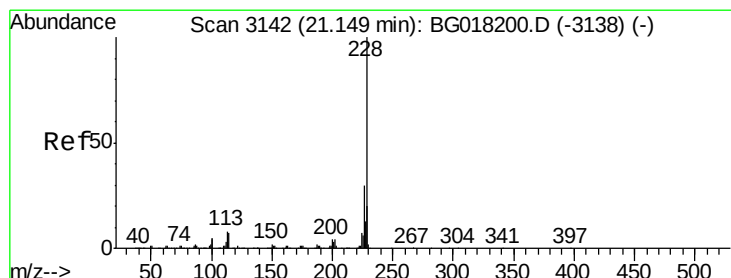
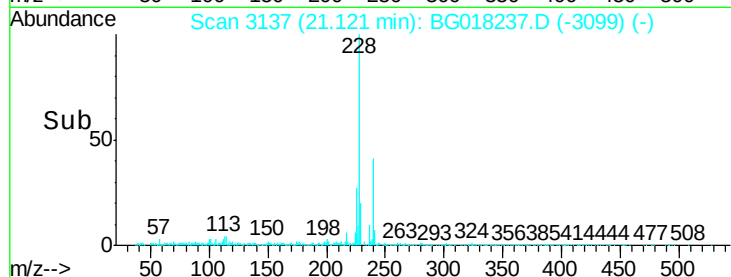
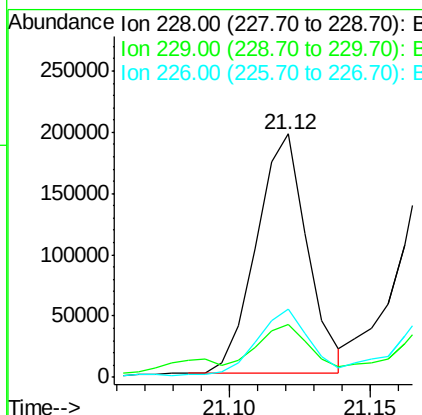
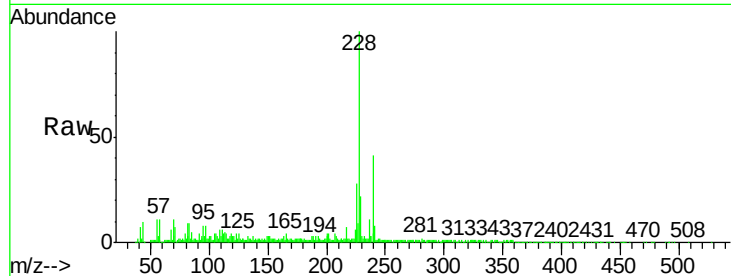
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Benzo(a)anthracene
Concen: 13.94 ng/ul
RT: 21.12 min Scan# 3137
Delta R.T. 0.02 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	16.5	24.7
226	27.8	21.5	32.3

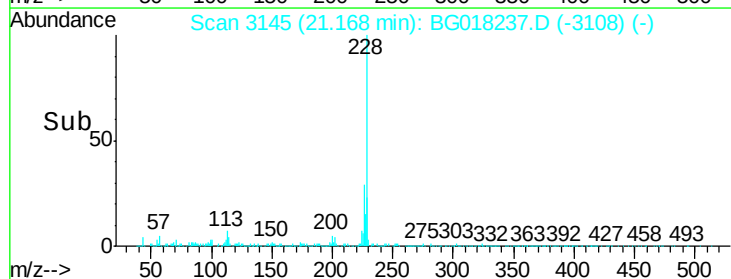
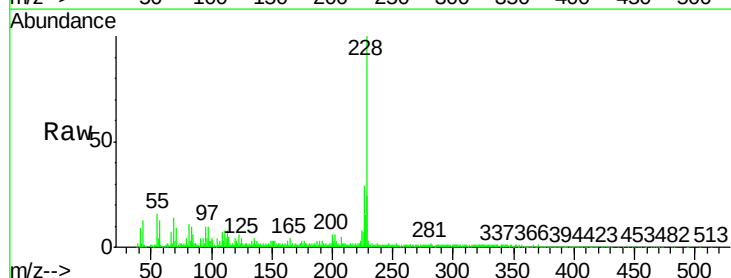
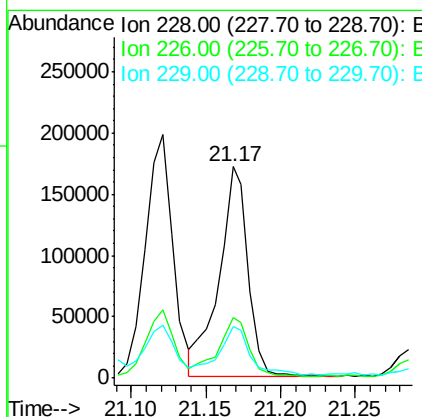
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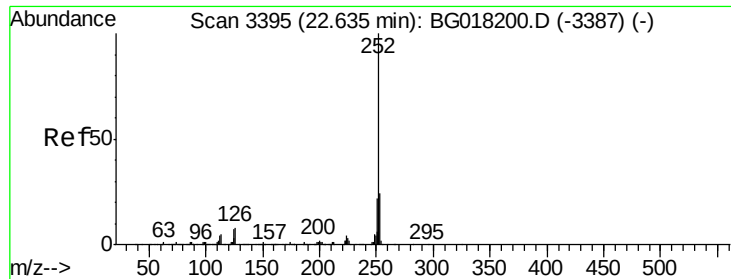
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#85
Chrysene
Concen: 14.61 ng/ul
RT: 21.17 min Scan# 3145
Delta R.T. 0.02 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.9	22.7	34.1
229	24.2	16.2	24.2





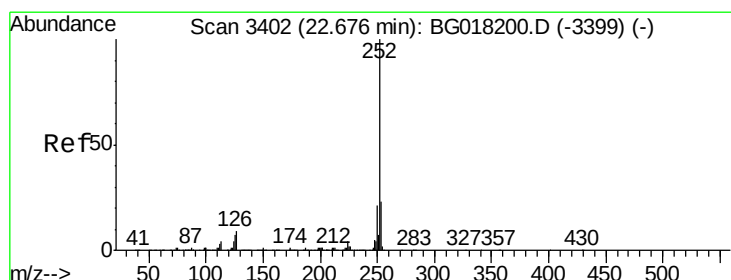
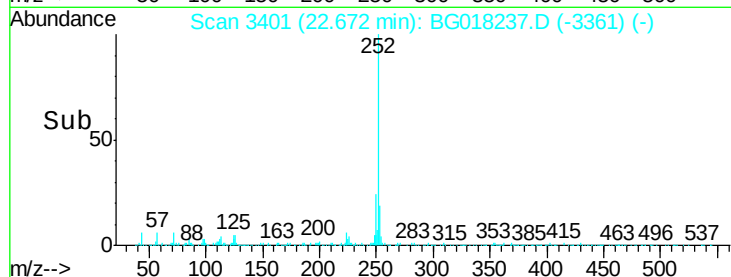
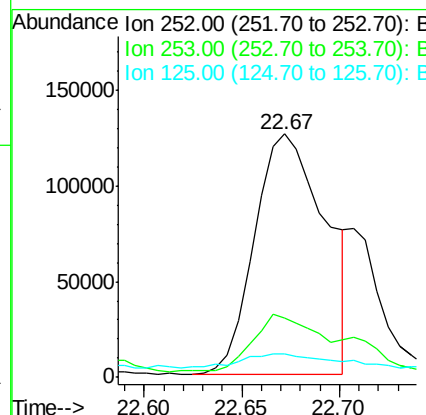
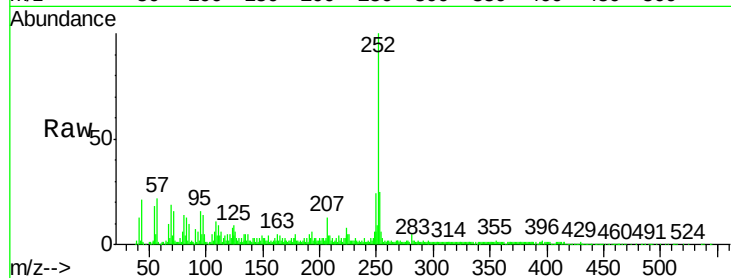
#88
Benzo(b)fluoranthene
Concen: 18.77 ng/ul
RT: 22.67 min Scan# 3401
Delta R.T. 0.03 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.5	27.7
125	9.4	7.4	11.0

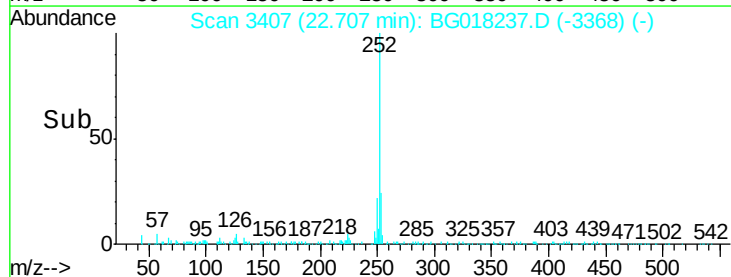
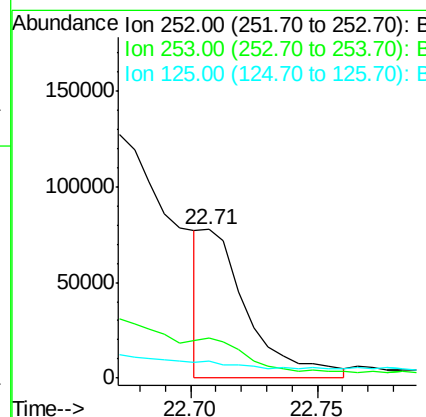
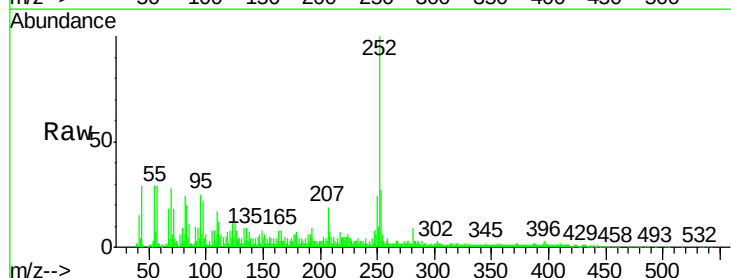
Manual Integrations
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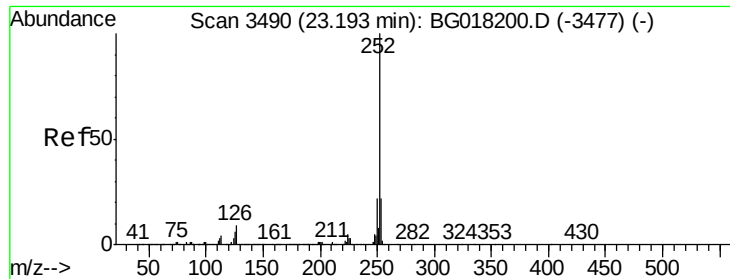
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#89
Benzo(k)fluoranthene
Concen: 6.28 ng/ul m
RT: 22.71 min Scan# 3407
Delta R.T. 0.03 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.2
125	11.5	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 12.36 ng/ul

RT: 23.23 min Scan# 3496

Delta R.T. 0.03 min

Lab File: BG018237.D

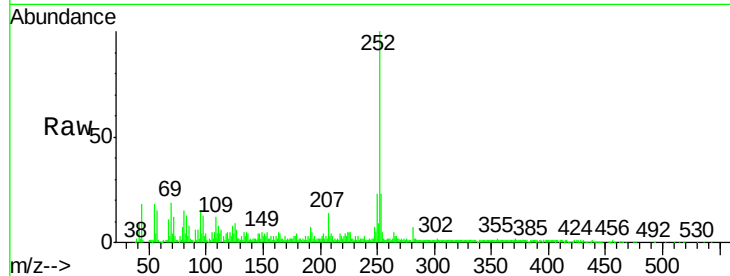
Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

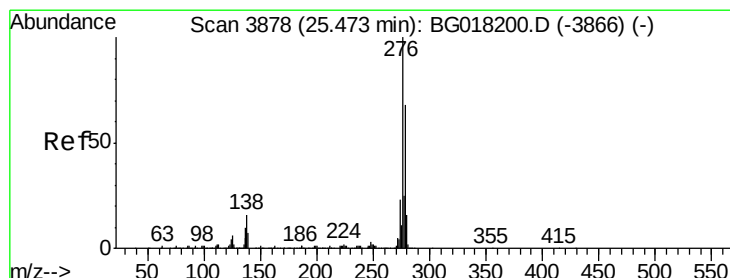
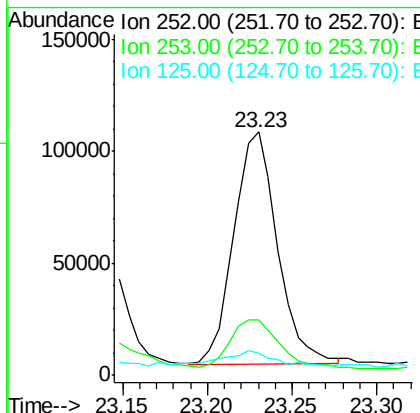
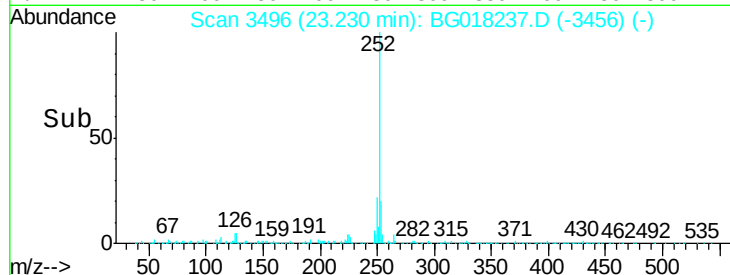
C01N7RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	9.1	7.3	10.9

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#92

Indeno(1,2,3-cd)pyrene

Concen: 4.58 ng/ul

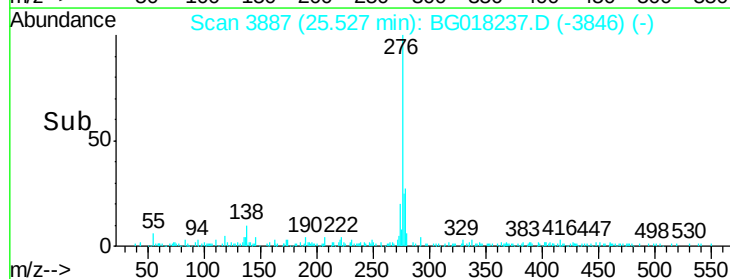
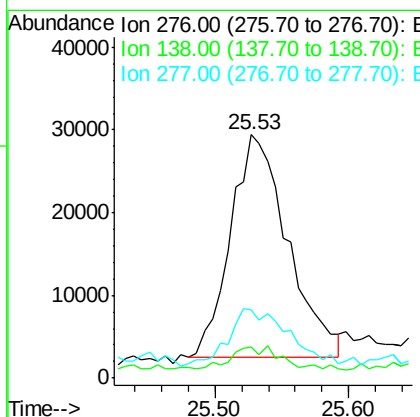
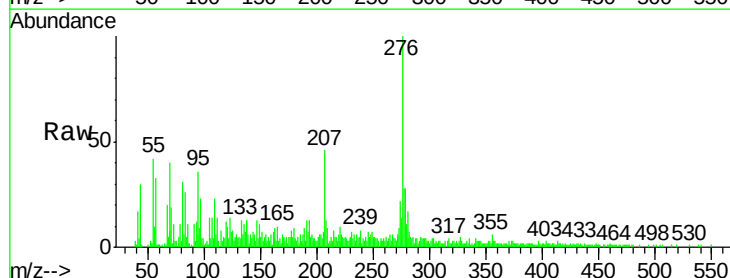
RT: 25.53 min Scan# 3887

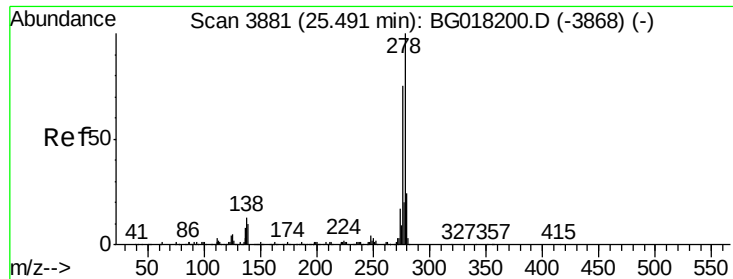
Delta R.T. 0.04 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.7	17.2	25.8#
277	28.2	19.5	29.3





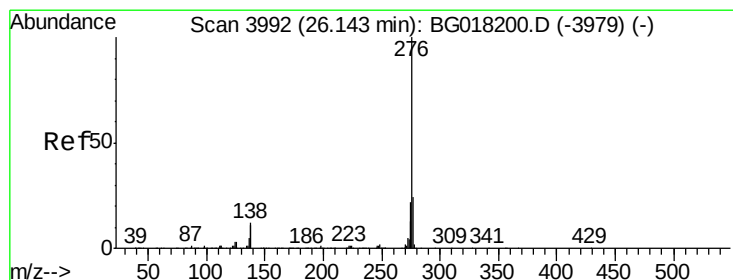
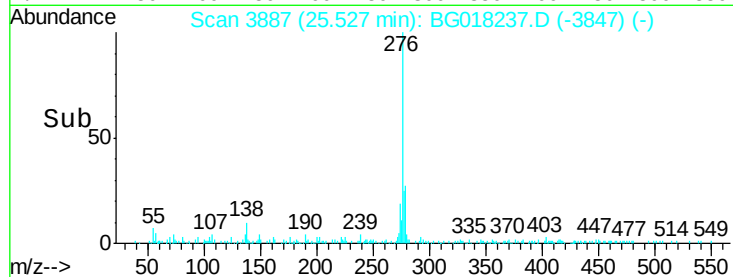
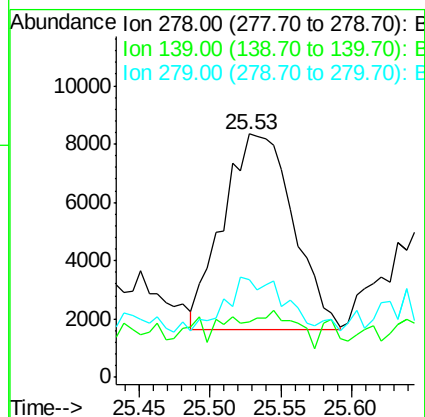
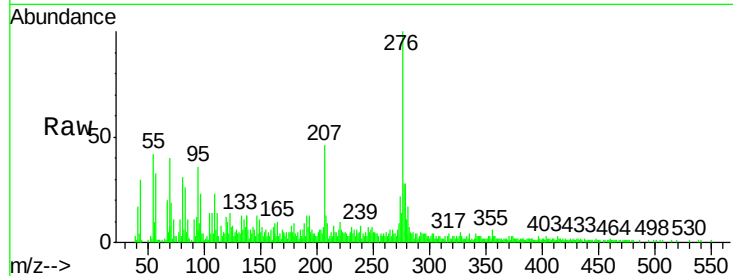
#93
Dibenzo(a,h)anthracene
Concen: 1.55 ng/ul
RT: 25.53 min Scan# 3887
Delta R.T. 0.03 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Instrument :
BNA_G
ClientSampleId :
C01N7RE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	12.2	18.2#
279	40.0	20.0	30.0#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 4.26 ng/ul
RT: 26.21 min Scan# 4004
Delta R.T. 0.06 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.8	15.1	22.7#
277	27.3	19.8	29.6

