

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018211.D
 Acq On : 1 Aug 2015 9:18
 Operator : TP/UM
 Sample : G3065-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02A2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:23:47 PM

Quant Time: Aug 04 17:02:11 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	7.49	152	53135	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	203759	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	102003	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	210310	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	310376	20.00	ng/ul	0.03
86) Perylene-d12	23.36	264	314503	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	767	1.09	ng/uL	0.00
5) Phenol-d5	6.68	99	42072	8.81	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	23433	9.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	34790	9.64	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	33157	8.52	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	19376	12.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	16094	8.74	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	36412	11.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.39	131	36284	8.94	ng/ul	-0.02
44) Dimethylphthalate-d6	13.58	166	90133	11.44	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	102027	11.16	ng/ul	0.01
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.16	176	76662	10.75	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.02	188	106444	11.64	ng/ul	0.02
79) Pyrene-d10	19.34	212	128878	8.58	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.22	264	189460	11.91	ng/ul	0.07

Target Compounds

						Qvalue
11) 2-Methylphenol	7.95	108	10769	2.81	ng/ul	100
14) Acetophenone	8.29	105	53839	8.89	ng/ul	95
16) 4-Methylphenol	8.28	108	70172	16.56	ng/ul	86
24) 2,4-Dimethylphenol	9.47	107	145750	36.01	ng/ul#	80
28) Naphthalene	10.32	128	183547	18.71	ng/ul	98
34) 2-Methylnaphthalene	11.95	142	125907	16.21	ng/ul	99
35) 1-Methylnaphthalene	12.17	142	79993	10.74	ng/ul#	95
41) 1,1'-Biphenyl	12.98	154	25057	3.44	ng/ul#	95
45) Dimethylphthalate	13.63	163	172275	21.97	ng/ul	99
50) Acenaphthene	14.23	153	83106	14.06	ng/ul	97
54) Dibenzofuran	14.57	168	73635	8.27	ng/ul#	70
57) Diethylphthalate	15.00	149	19083	2.35	ng/ul#	84
59) Fluorene	15.22	166	108763	14.15	ng/ul#	95
70) Phenanthrene	16.97	178	800903	74.96	ng/ul	98
72) Anthracene	17.06	178	215272m	20.25	ng/ul	
75) Carbazole	17.34	167	76906	8.71	ng/ul#	88
76) Di-n-butylphthalate	17.91	149	56025	4.77	ng/ul#	84
77) Fluoranthene	19.01	202	1110719	94.66	ng/ul#	95
80) Pyrene	19.37	202	1112400	59.09	ng/ul	95
81) Butylbenzylphthalate	20.29	149	109773	14.36	ng/ul#	73
83) Benzo(a)anthracene	21.13	228	594472	35.57	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.07	149	2222854	215.45	ng/ul#	68
85) Chrysene	21.18	228	662798m	43.29	ng/ul	

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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)
88) Benzo(b)fluoranthene	22.69	252	958924	50.75	ng/ul#	88
89) Benzo(k)fluoranthene	22.73	252	306115m	17.63	ng/ul	
91) Benzo(a)pyrene	23.26	252	596885	35.31	ng/ul#	84
92) Indeno(1,2,3-cd)pyrene	25.58	276	286920	14.67	ng/ul#	90
93) Dibenzo(a,h)anthracene	25.58	278	72478	4.33	ng/ul#	70
94) Benzo(g,h,i)perylene	26.28	276	272885m	17.09	ng/ul	

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

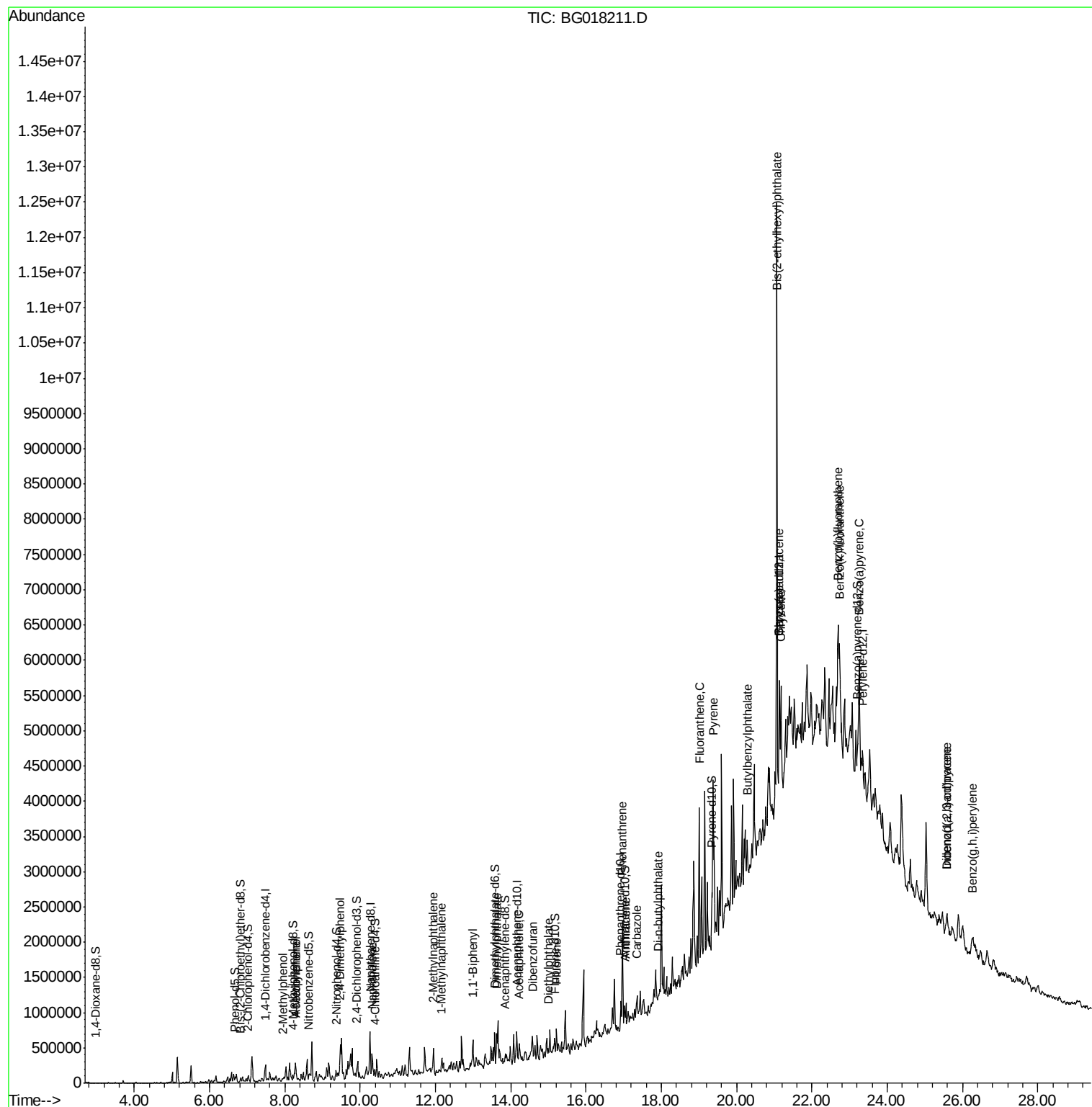
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018211.D
Acq On : 1 Aug 2015 9:18
Operator : TP/UM
Sample : G3065-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

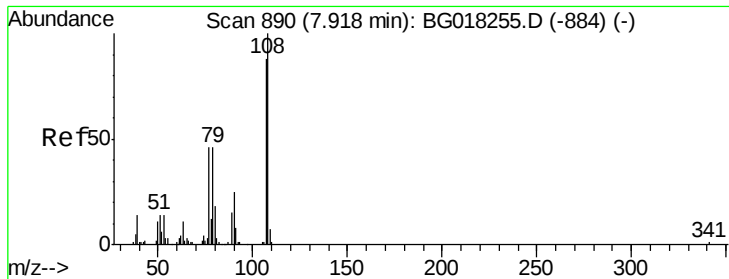
Instrument :
BNA_G
ClientSampleId :
C02A2

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#11

2-Methylphenol

Concen: 2.81 ng/ul

RT: 7.95 min Scan# 896

Delta R.T. 0.02 min

Lab File: BG018211.D

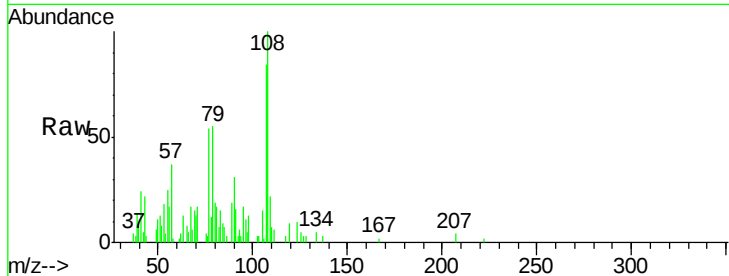
Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampled :

C02A2



Tgt Ion:108 Resp: 10769

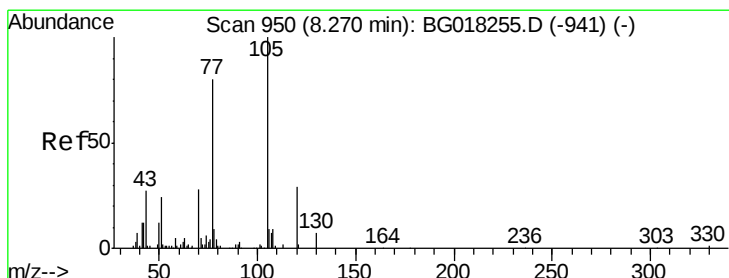
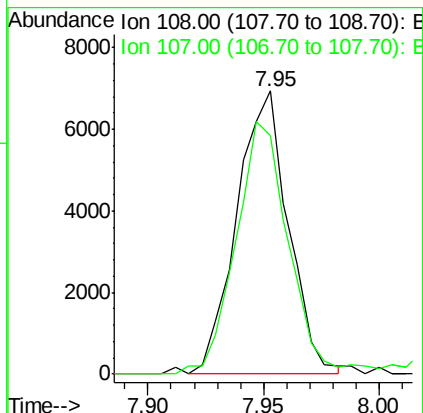
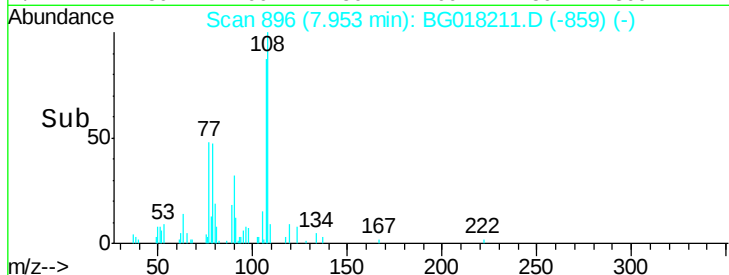
Ion Ratio Lower Upper

108 100

107 84.5 67.8 101.6

Manual Integrations
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#14

Acetophenone

Concen: 8.89 ng/ul

RT: 8.29 min Scan# 953

Delta R.T. -0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

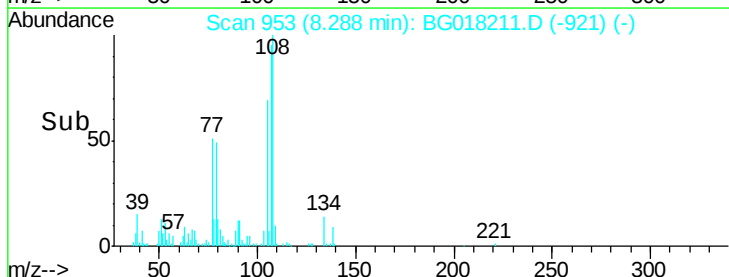
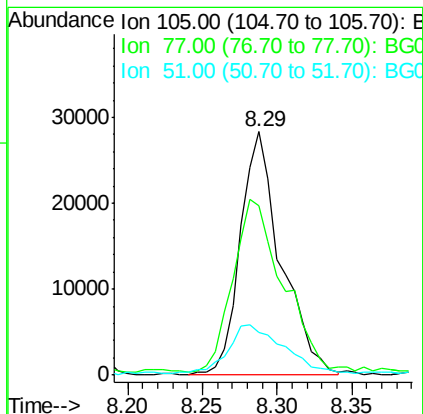
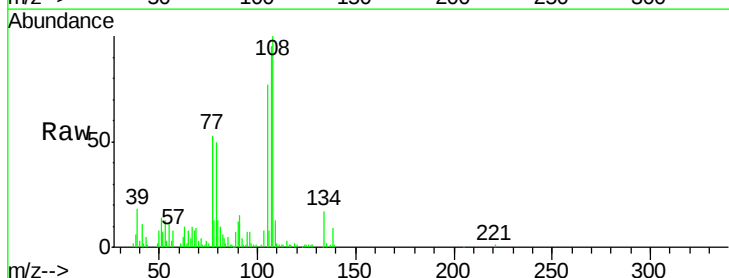
Tgt Ion:105 Resp: 53839

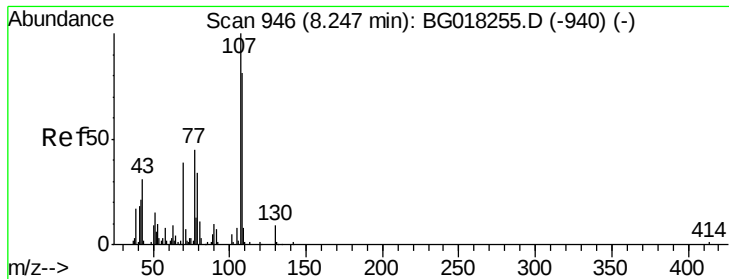
Ion Ratio Lower Upper

105 100

77 69.3 58.4 87.6

51 17.7 16.5 24.7





#16

4-Methylphenol

Concen: 16.56 ng/ul

RT: 8.28 min Scan# 952

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

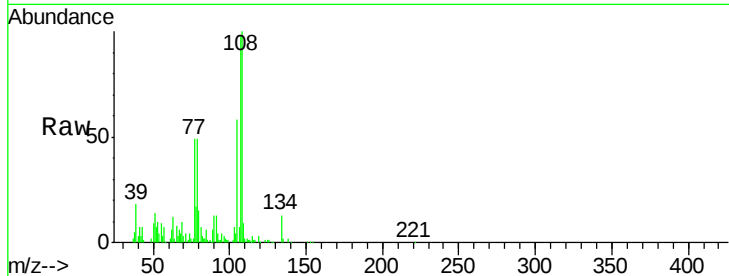
BNA_G

ClientSampleId :

C02A2

Manual Integrations
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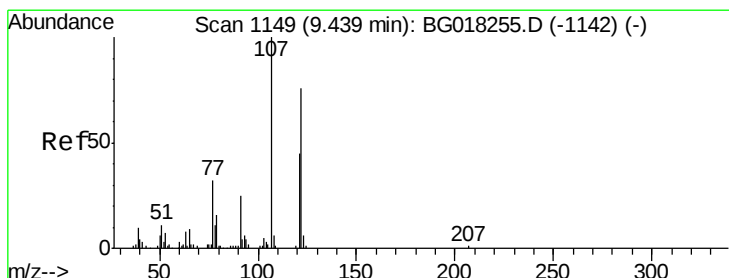
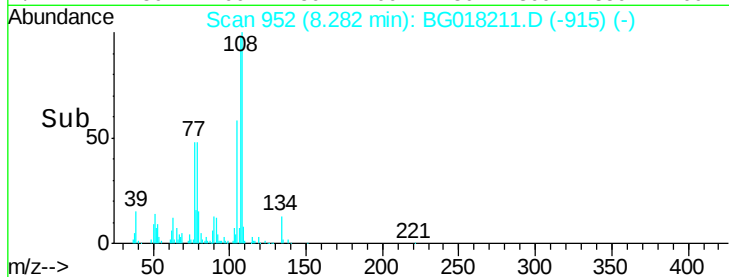
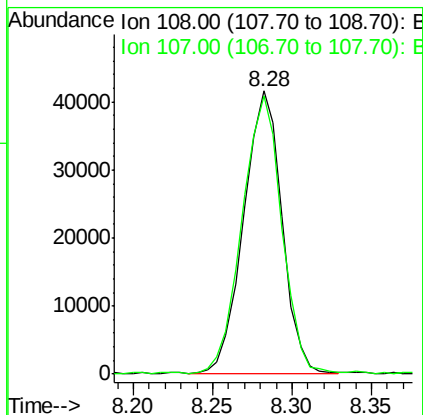


Tgt Ion:108 Resp: 70172

Ion Ratio Lower Upper

108 100

107 98.4 90.4 135.6



#24

2,4-Dimethylphenol

Concen: 36.01 ng/ul

RT: 9.47 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

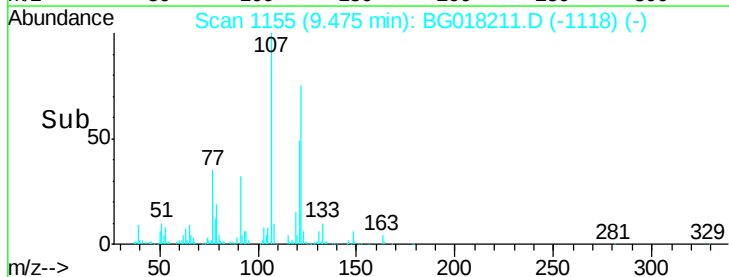
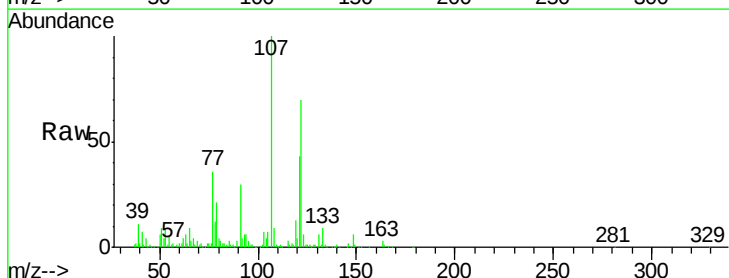
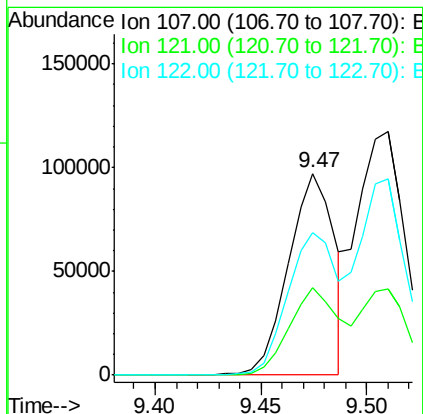
Tgt Ion:107 Resp: 145750

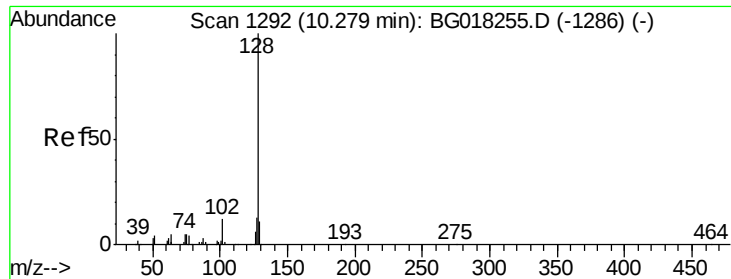
Ion Ratio Lower Upper

107 100

121 43.5 41.4 62.2

122 70.4 75.3 112.9#





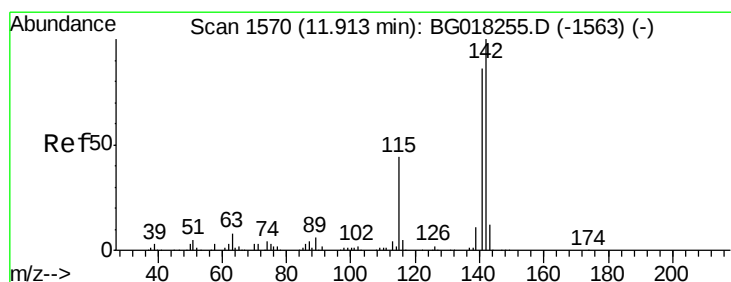
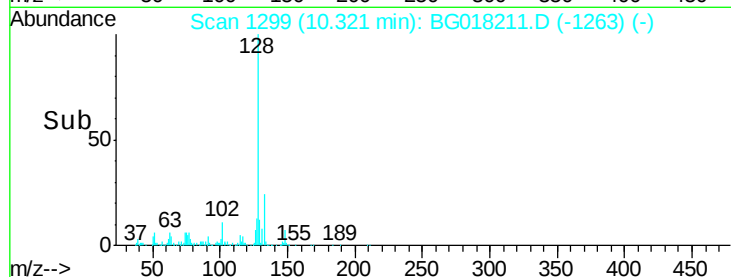
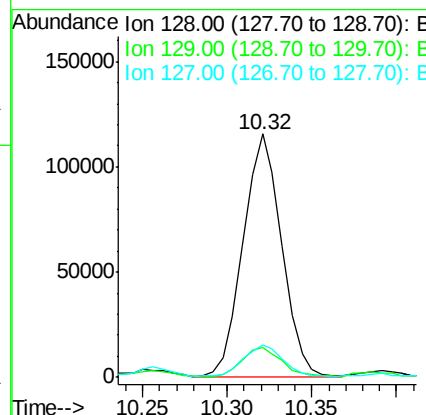
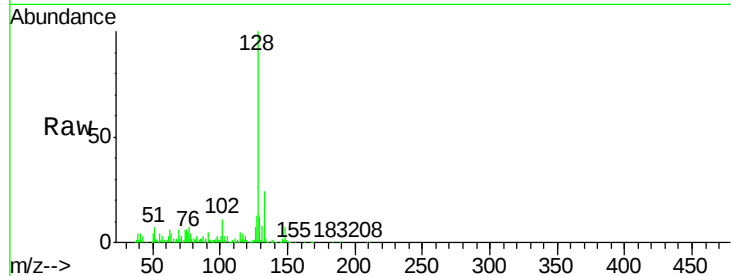
#28
Naphthalene
Concen: 18.71 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Instrument :
BNA_G
ClientSampleId :
C02A2

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.3	9.1	13.7
127	13.4	11.2	16.8

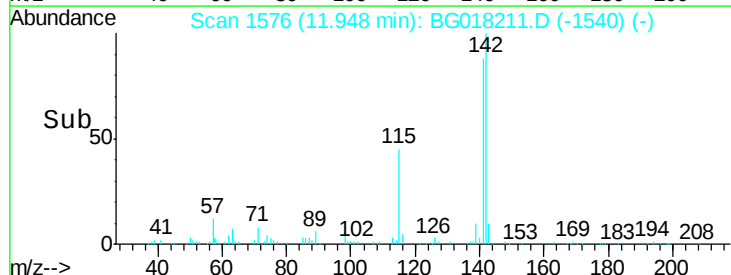
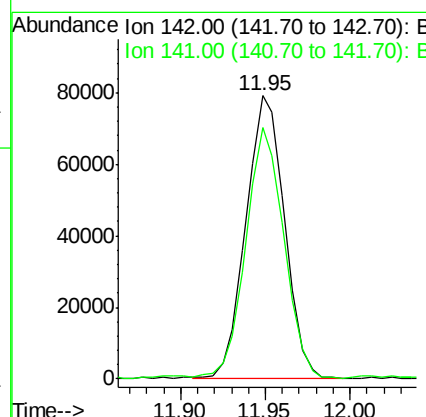
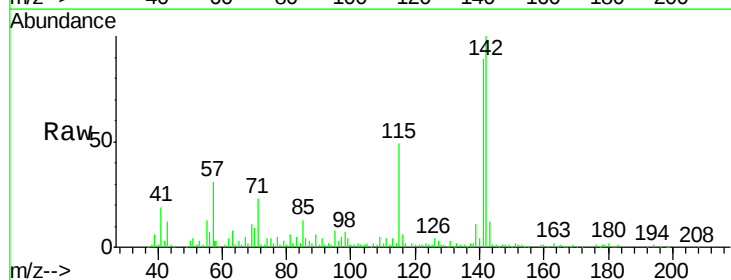
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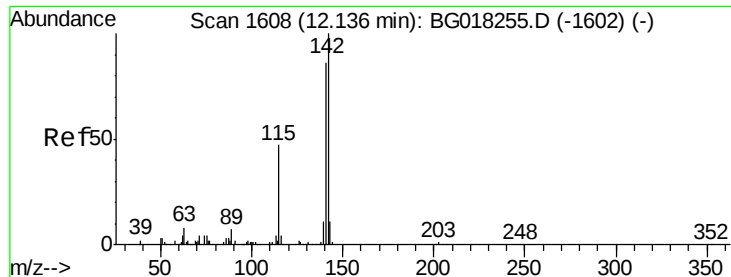
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#34
2-Methylnaphthalene
Concen: 16.21 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	88.6	70.3	105.5





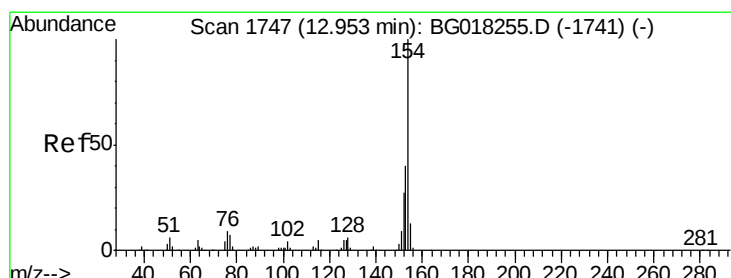
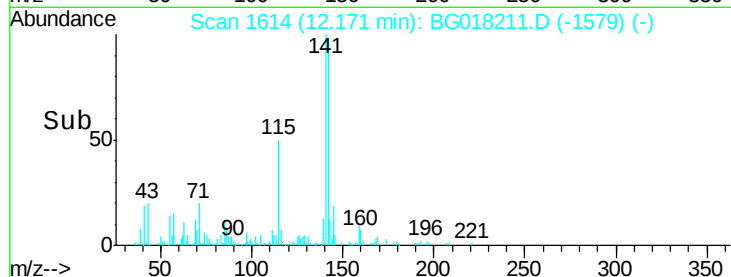
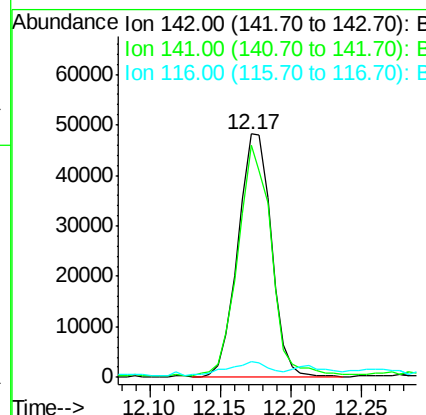
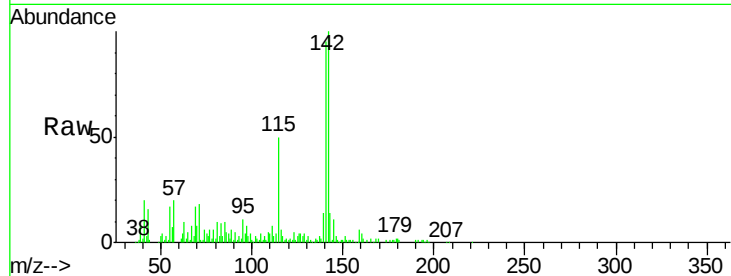
#35
 1-Methylnaphthalene
 Concen: 10.74 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Instrument :
 BNA_G
 ClientSampleId :
 C02A2

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	95.2	72.5	108.7
116	6.3	2.6	4.0

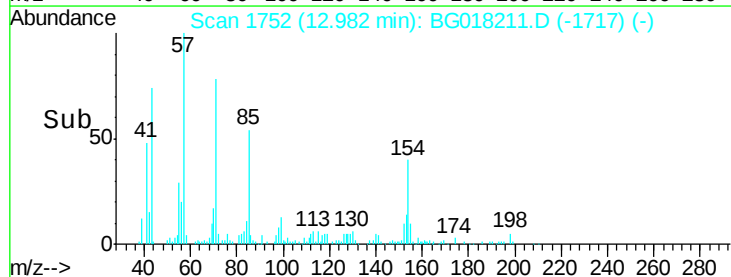
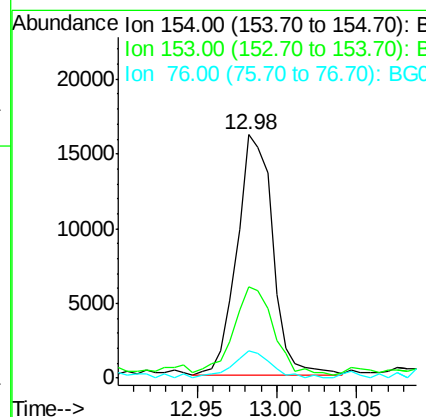
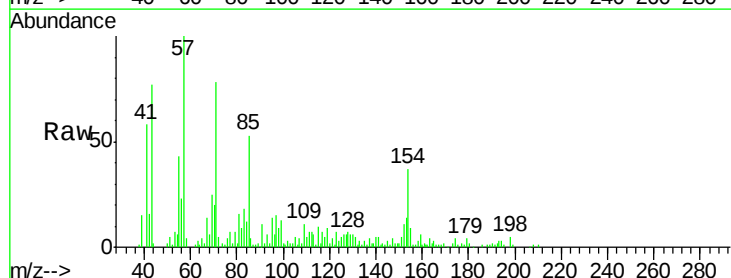
Manual Integrations
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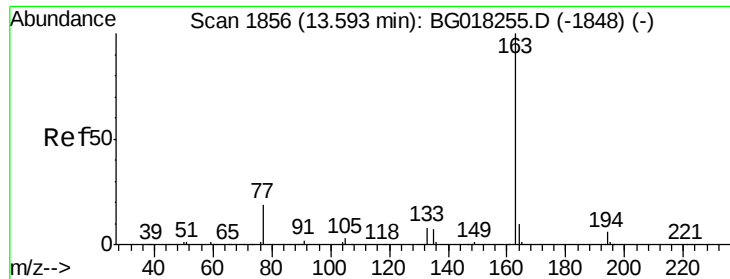
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#41
 1,1'-Biphenyl
 Concen: 3.44 ng/ul
 RT: 12.98 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	37.7	32.3	48.5
76	11.4	7.4	11.0





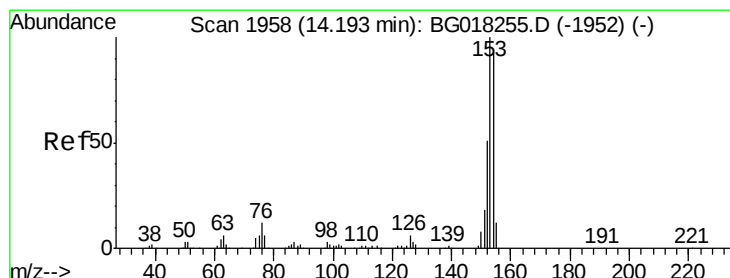
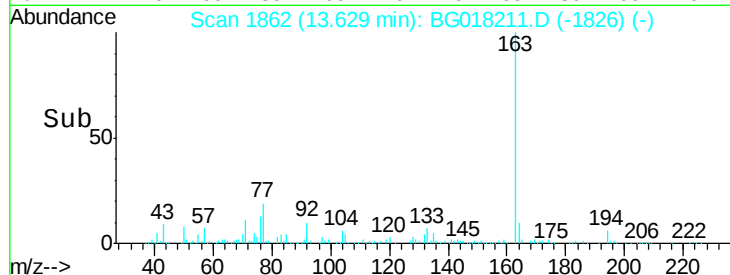
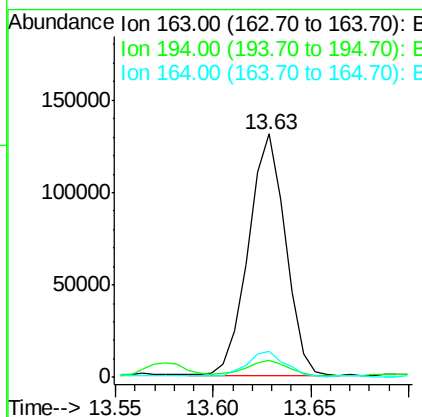
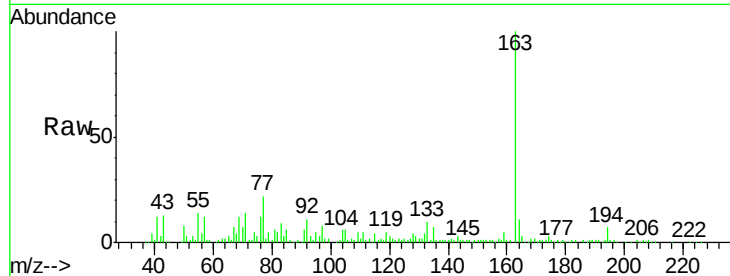
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Dimethylphthalate
Concen: 21.97 ng/ul
RT: 13.63 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	172275		
194	7.2	5.2	7.8	
164	10.5	8.4	12.6	

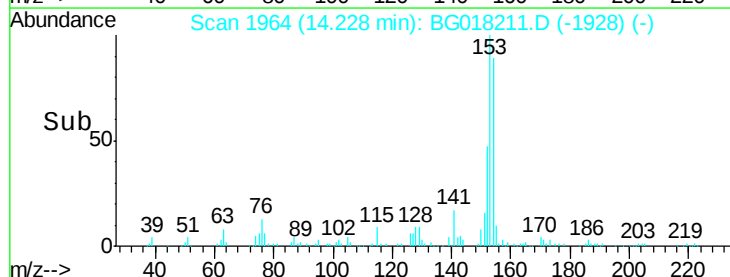
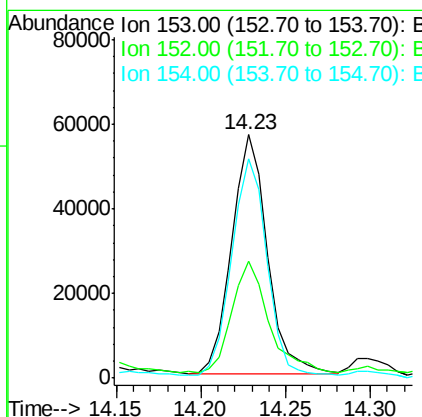
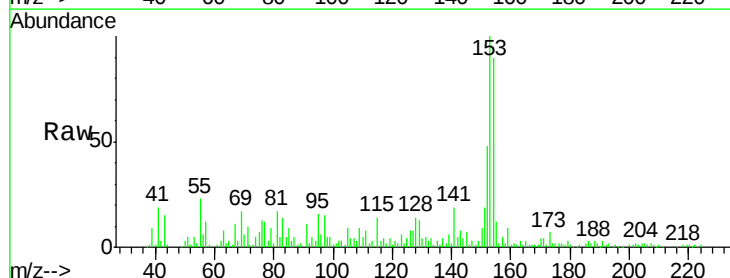
Manual Integrations
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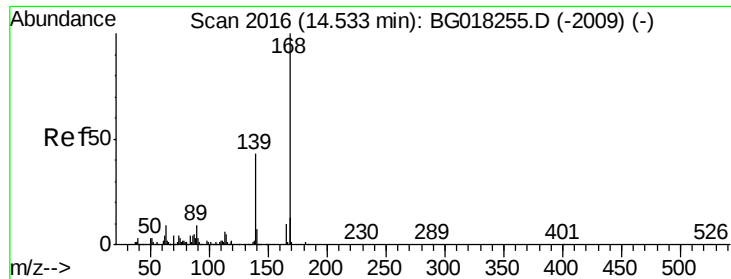
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#50
Acenaphthene
Concen: 14.06 ng/ul
RT: 14.23 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	83106		
152	47.9	38.7	58.1	
154	90.1	74.8	112.2	





#54

Dibenzenofuran

Concen: 8.27 ng/ul

RT: 14.57 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampled :

C02A2

Tgt Ion:168 Resp: 73635

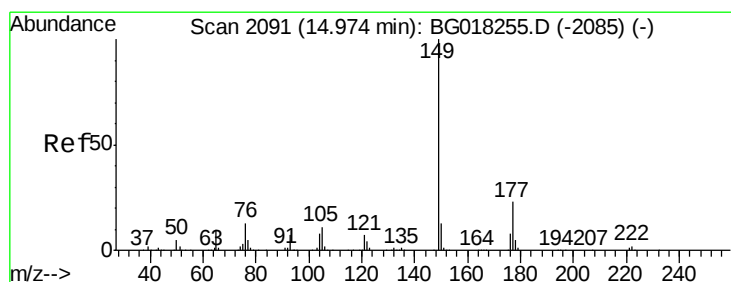
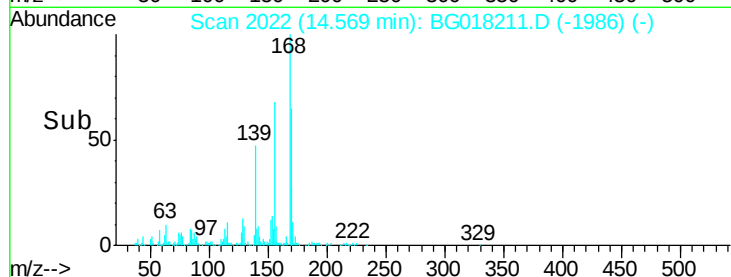
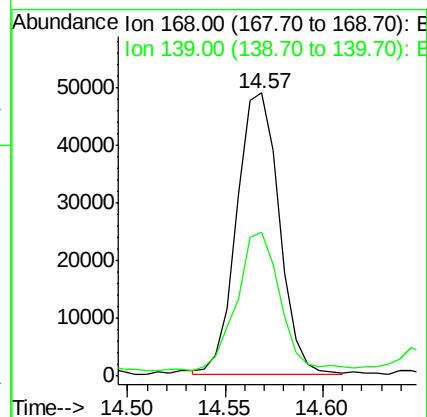
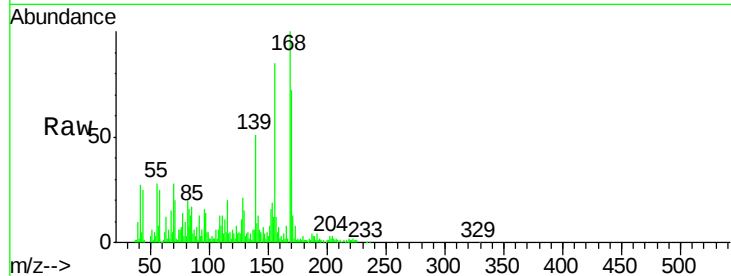
Ion Ratio Lower Upper

168 100

139 50.6 26.8 40.2#

Manual Integrations
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#57

Diethylphthalate

Concen: 2.35 ng/ul

RT: 15.00 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

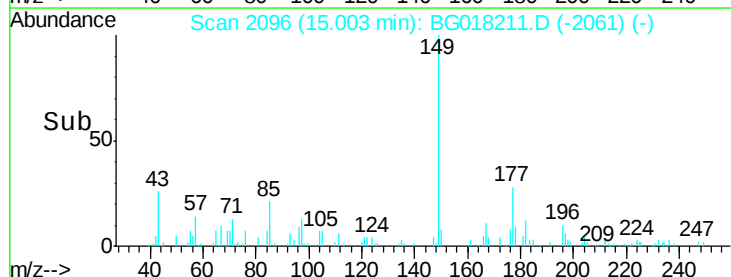
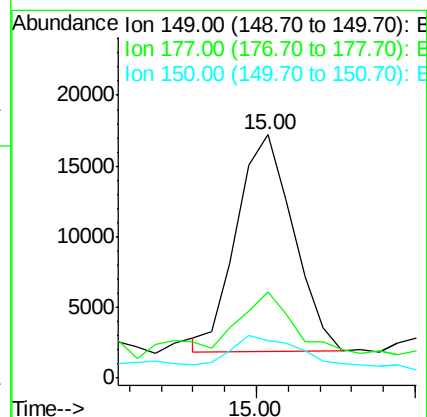
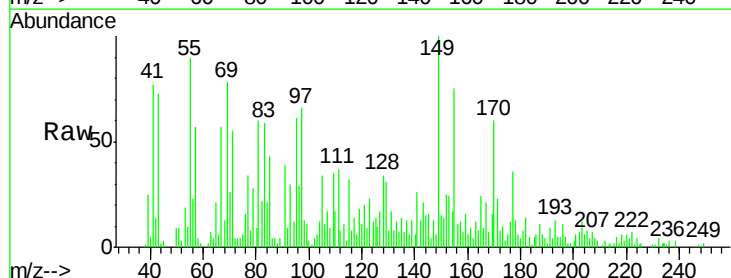
Tgt Ion:149 Resp: 19083

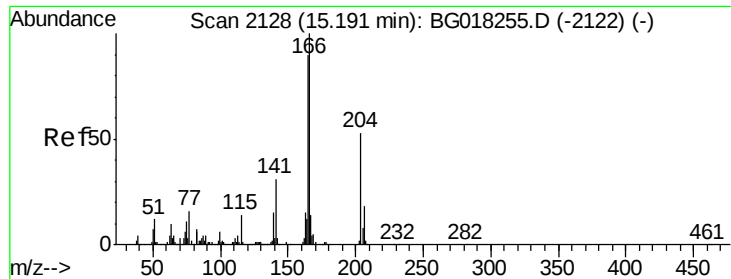
Ion Ratio Lower Upper

149 100

177 35.5 20.1 30.1#

150 15.4 10.0 15.0#





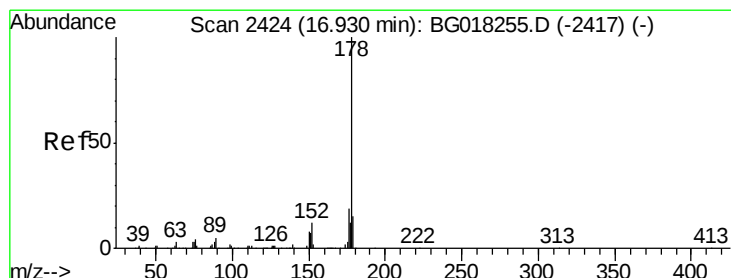
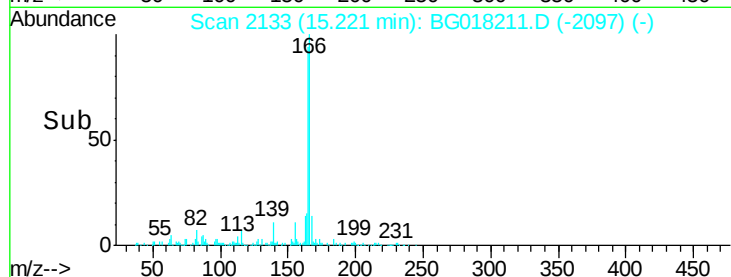
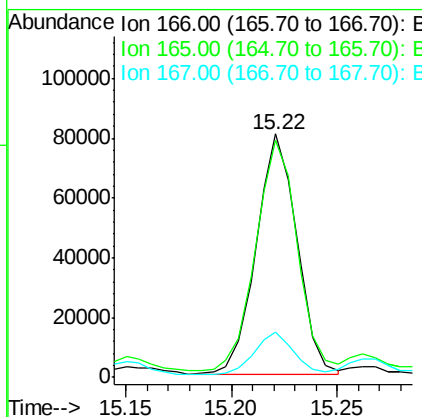
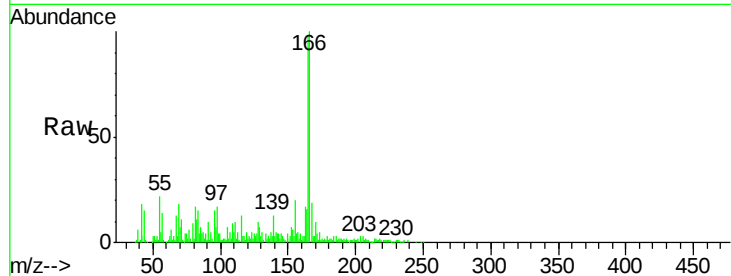
#59
Fluorene
 Concen: 14.15 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Instrument :
 BNA_G
 ClientSampleId :
 C02A2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	108763		
165	97.5	75.1	112.7	
167	18.7	11.8	17.6#	

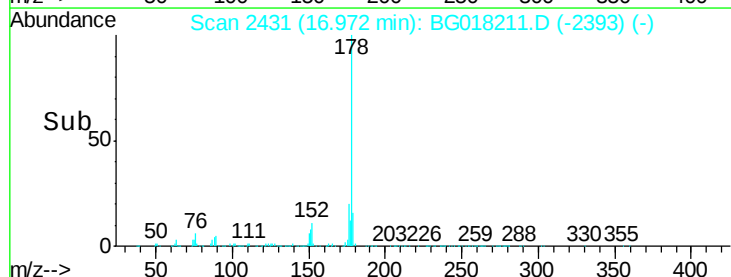
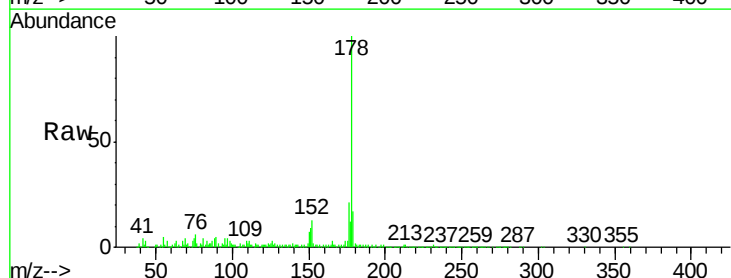
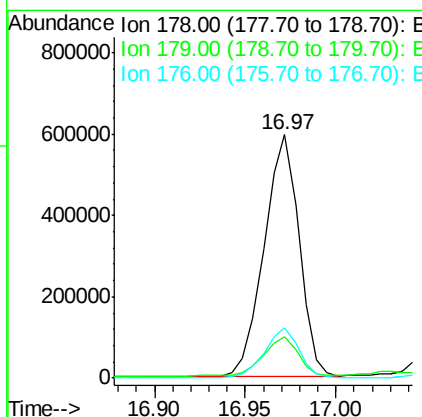
Manual Integrations
 APPROVED

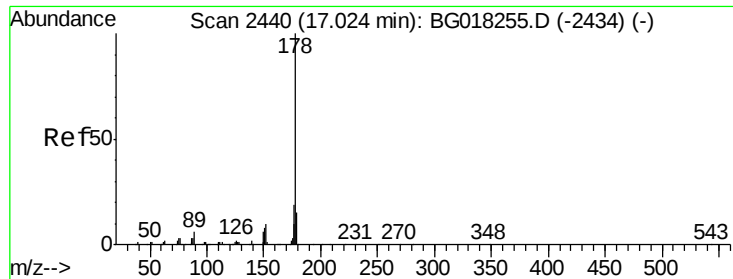
MMDadoda
 8/4/2015 12:23:47 PM



#70
Phenanthrene
 Concen: 74.96 ng/ul
 RT: 16.97 min Scan# 2431
 Delta R.T. 0.02 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	800903		
179	16.9	12.8	19.2	
176	20.5	16.0	24.0	





#72

Anthracene

Concen: 20.25 ng/ul m

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

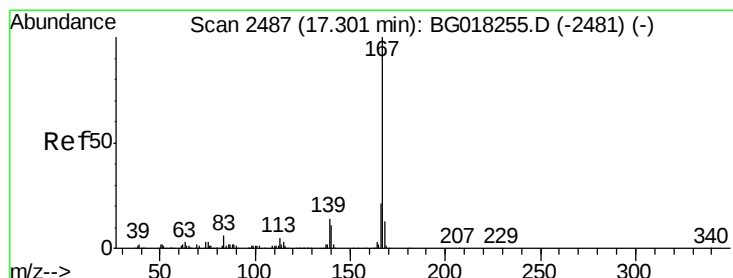
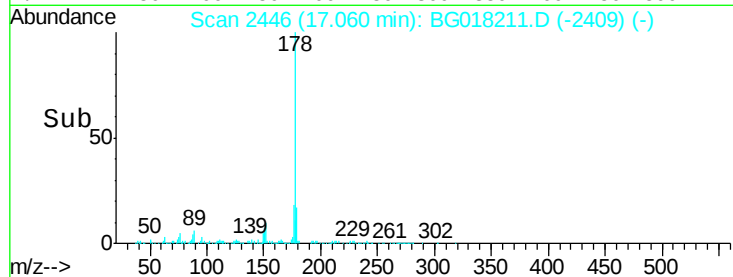
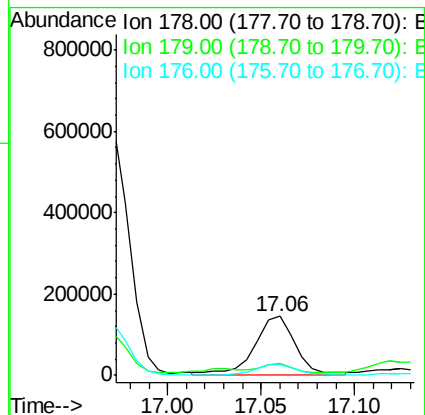
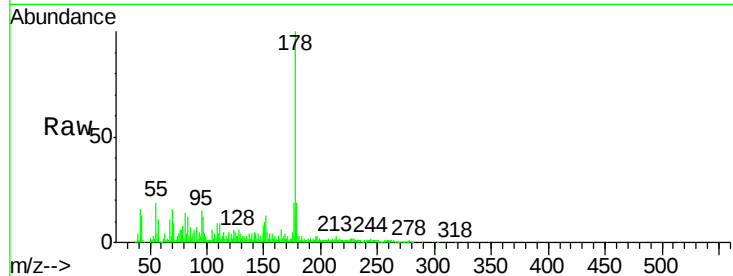
ClientSampleId :

C02A2

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	215272		
179	19.2	12.2	18.2#	
176	18.9	14.8	22.2	

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#75

Carbazole

Concen: 8.71 ng/ul

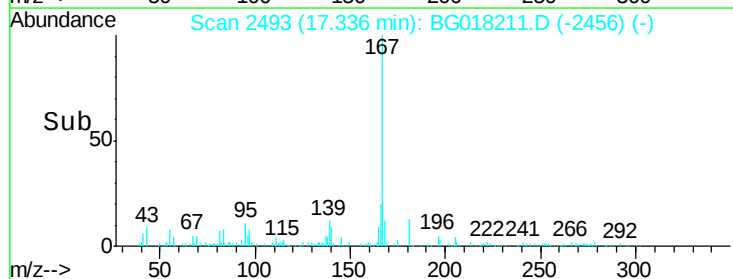
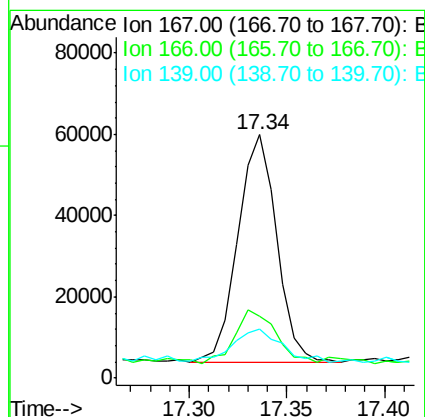
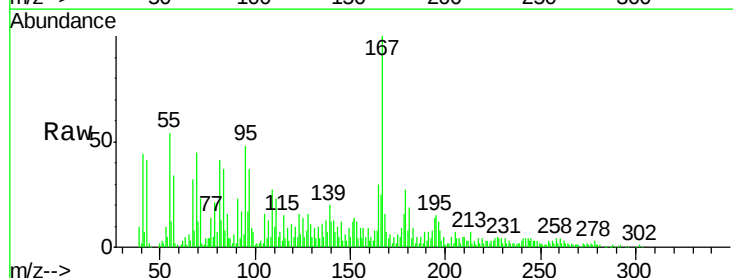
RT: 17.34 min Scan# 2493

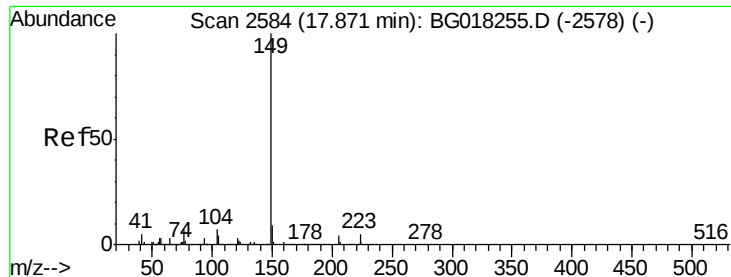
Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	76906		
166	25.4	17.5	26.3	
139	20.2	10.1	15.1#	





#76

Di-n-butylphthalate

Concen: 4.77 ng/ul

RT: 17.91 min Scan# 2590

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

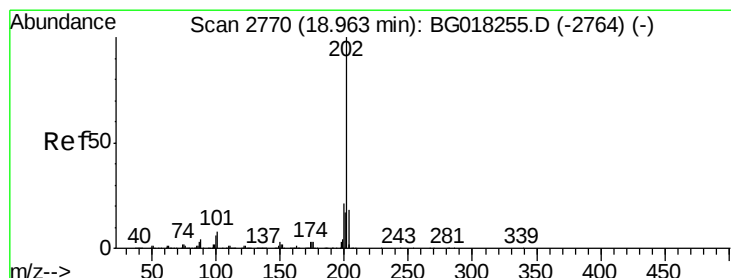
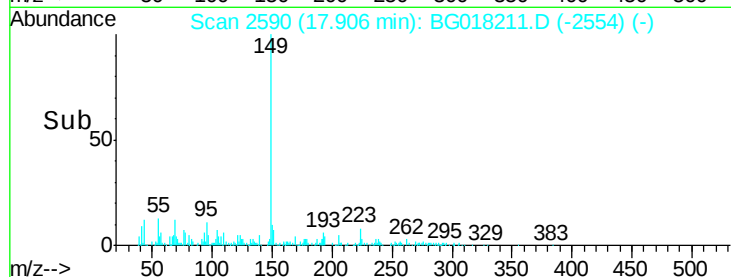
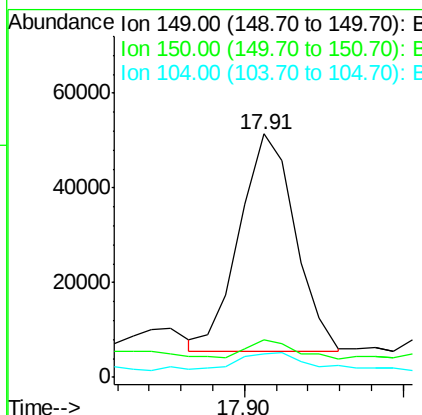
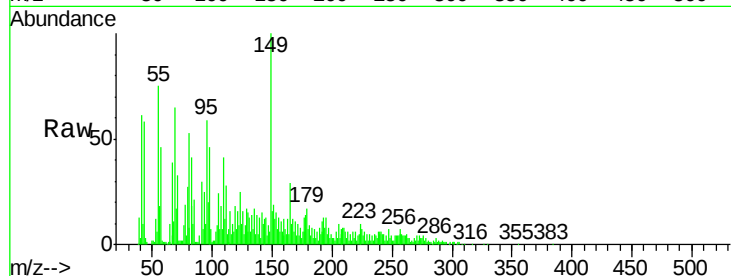
ClientSampleId :

C02A2

Tgt Ion:	149	Resp:	56025
Ion Ratio	Lower	Upper	
149	100		
150	15.7	7.7	11.5#
104	9.5	3.6	5.4#

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#77

Fluoranthene

Concen: 94.66 ng/ul

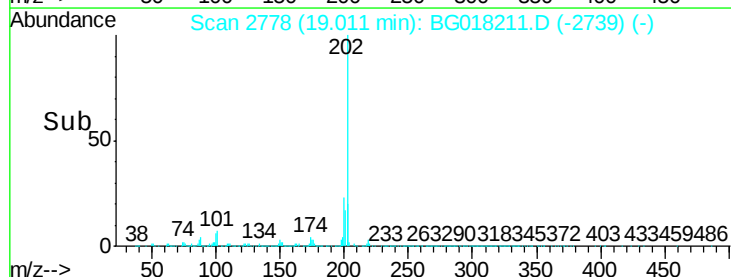
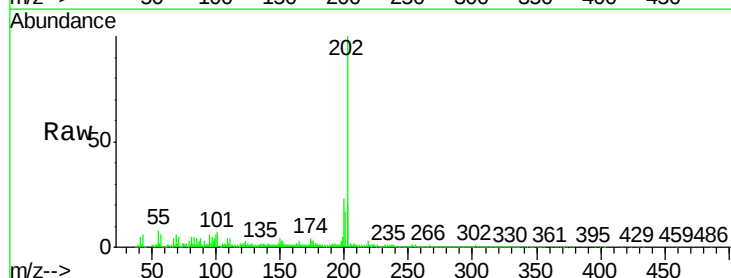
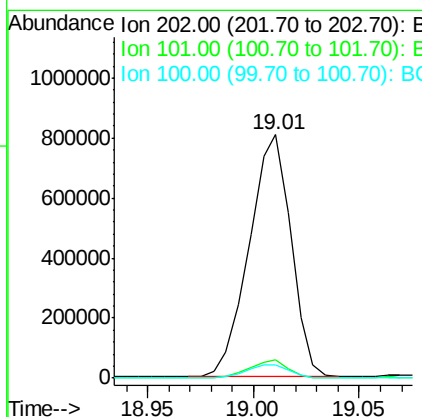
RT: 19.01 min Scan# 2778

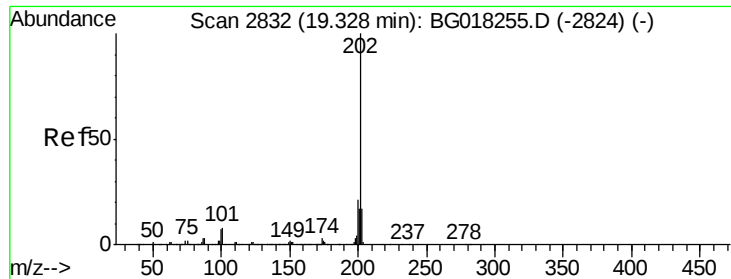
Delta R.T. 0.03 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Tgt Ion:	202	Resp:	1110719
Ion Ratio	Lower	Upper	
202	100		
101	7.4	7.5	11.3#
100	5.7	5.5	8.3





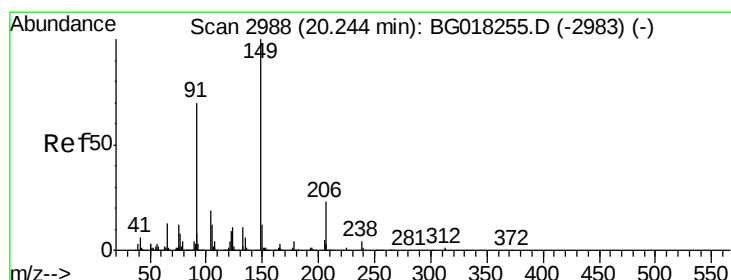
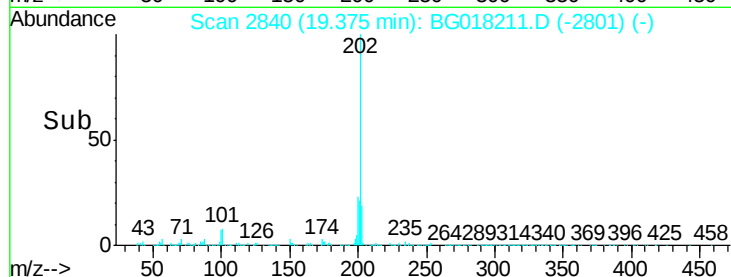
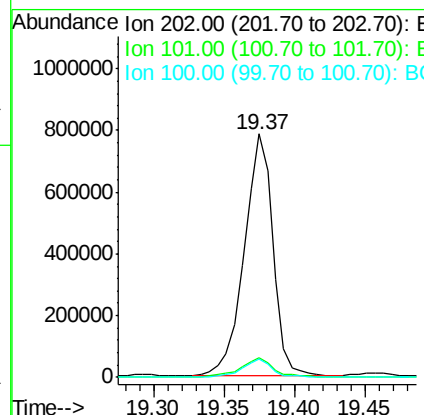
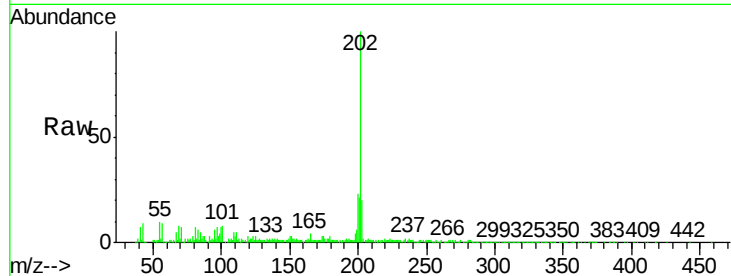
#80
 Pyrene
 Concen: 59.09 ng/ul
 RT: 19.37 min Scan# 2840
 Delta R.T. 0.03 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Instrument :
 BNA_G
 ClientSampleId :
 C02A2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1112400		
101	8.3		8.1	12.1
100	7.5		7.4	11.0

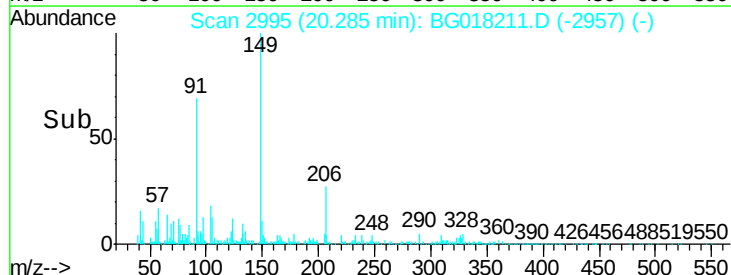
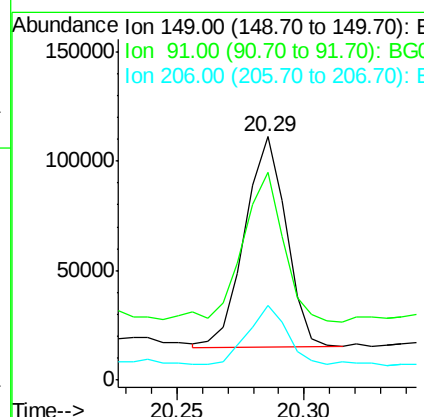
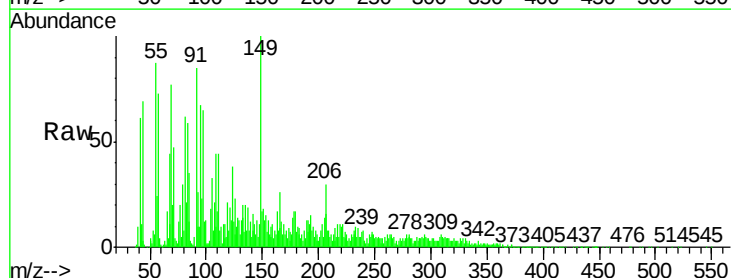
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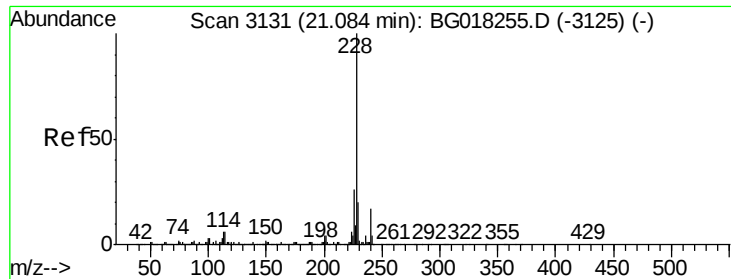
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#81
 Butylbenzylphthalate
 Concen: 14.36 ng/ul
 RT: 20.29 min Scan# 2995
 Delta R.T. 0.02 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	109773		
91	85.2		46.6	69.8#
206	30.5		21.8	32.8





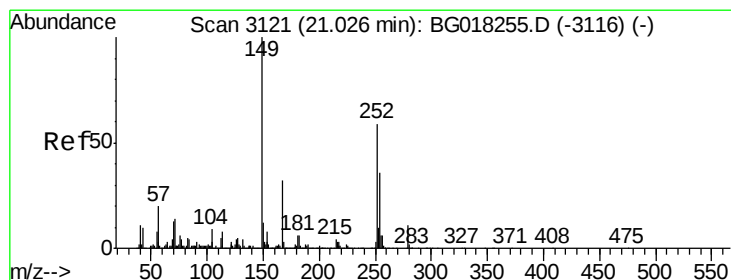
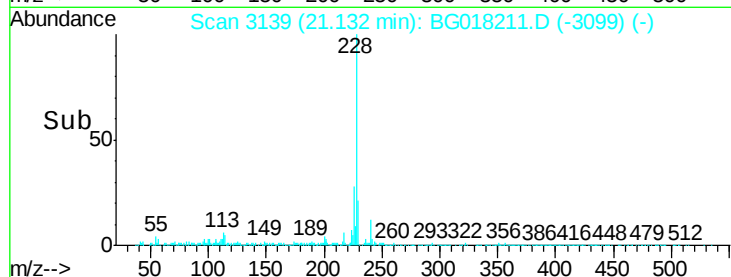
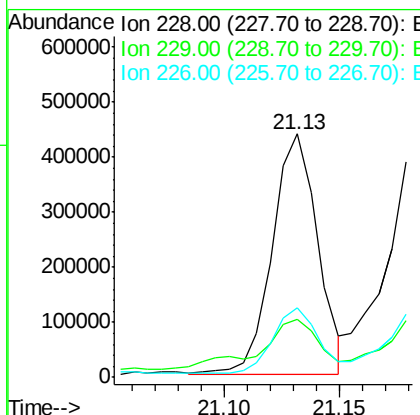
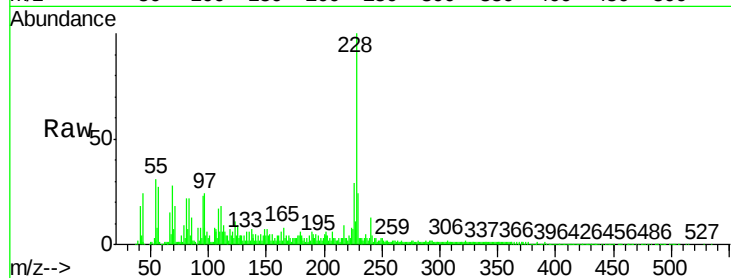
#83
Benzo(a)anthracene
Concen: 35.57 ng/ul
RT: 21.13 min Scan# 3139
Delta R.T. 0.04 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Instrument :
BNA_G
ClientSampleId :
C02A2

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.8	16.5	24.7
226	28.8	21.5	32.3

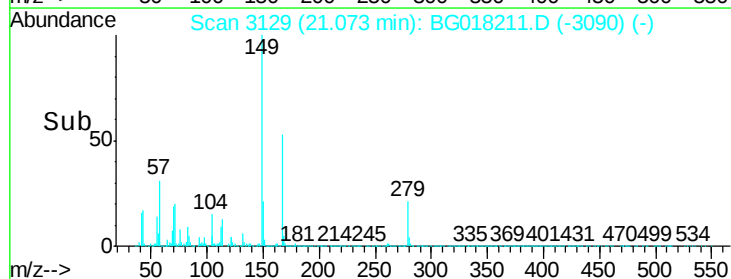
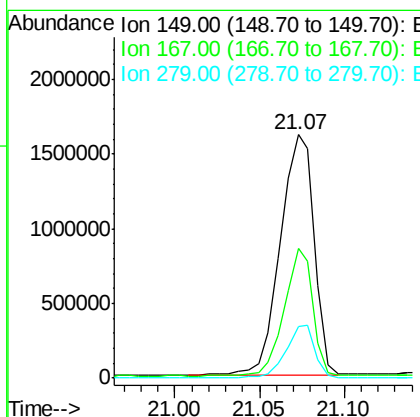
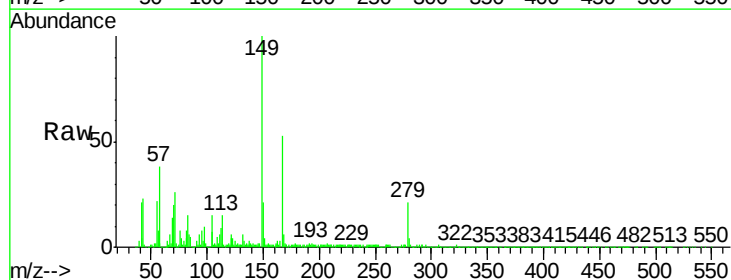
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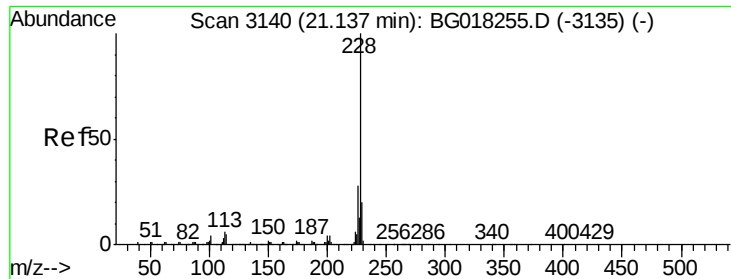
MMDadoda
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#84
Bis(2-ethylhexyl)phthalate
Concen: 215.45 ng/ul
RT: 21.07 min Scan# 3129
Delta R.T. 0.03 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	53.3	27.4	41.2#
279	21.0	8.3	12.5#





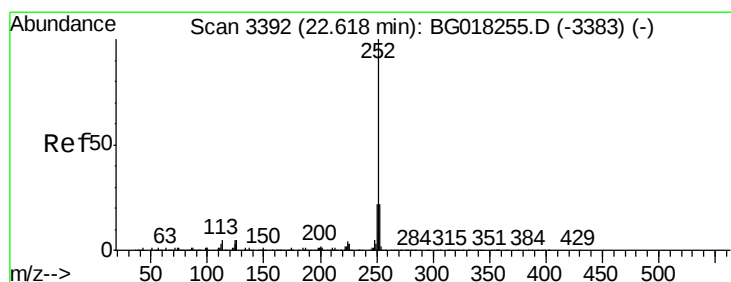
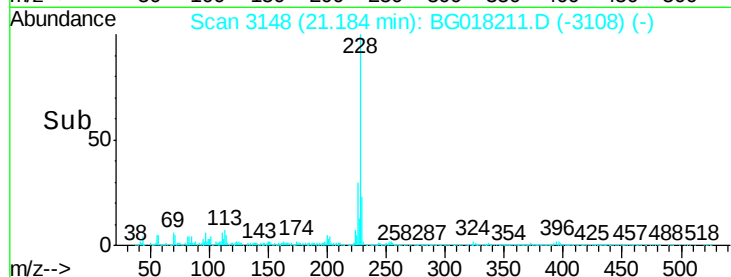
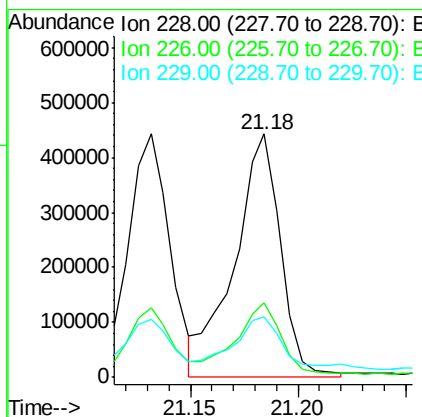
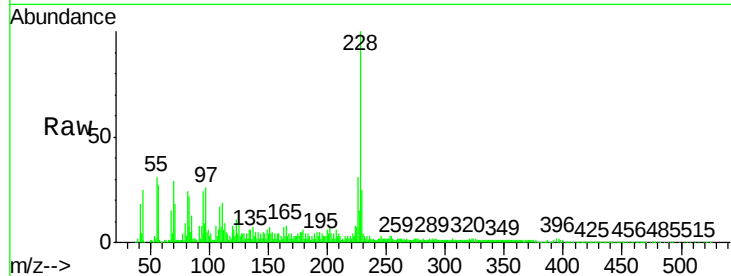
#85
 Chrysene
 Concen: 43.29 ng/ul m
 RT: 21.18 min Scan# 3148
 Delta R.T. 0.04 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Instrument :
 BNA_G
 ClientSampleId :
 C02A2

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.9	22.7	34.1
229	24.6	16.2	24.2

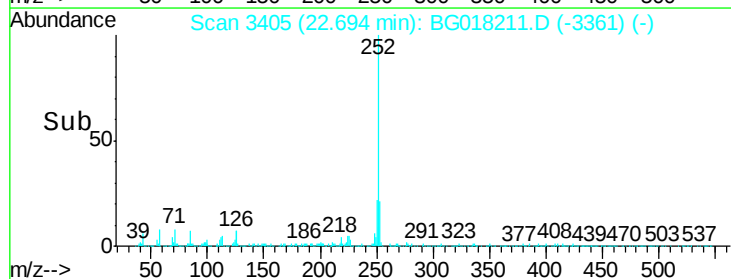
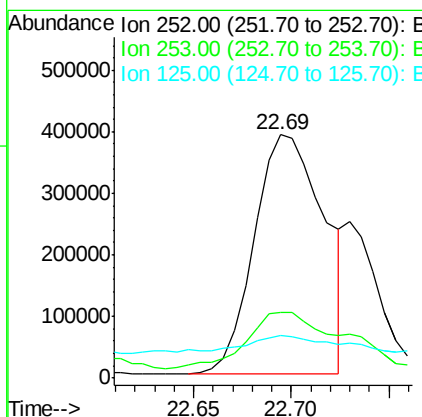
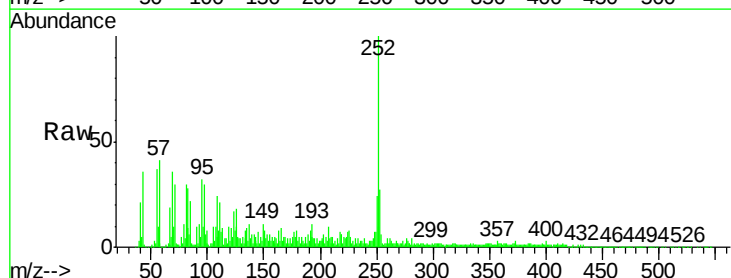
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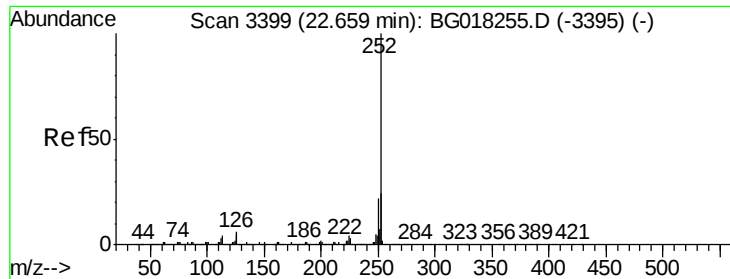
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 8/4/2015 12:23:47 PM



#88
 Benzo(b)fluoranthene
 Concen: 50.75 ng/ul
 RT: 22.69 min Scan# 3405
 Delta R.T. 0.06 min
 Lab File: BG018211.D
 Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.1	18.5	27.7
125	17.6	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 17.63 ng/ul m

RT: 22.73 min Scan# 3411

Delta R.T. 0.05 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

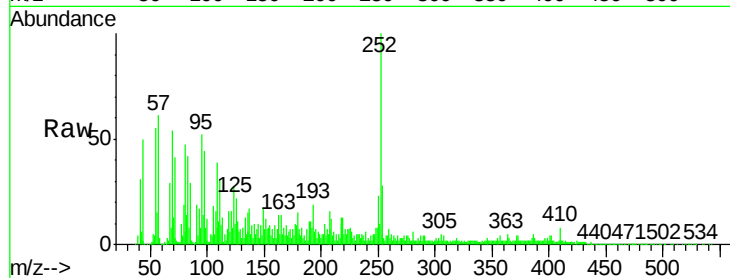
ClientSampleId :

C02A2

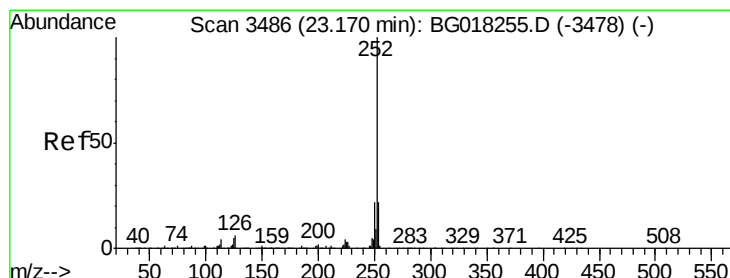
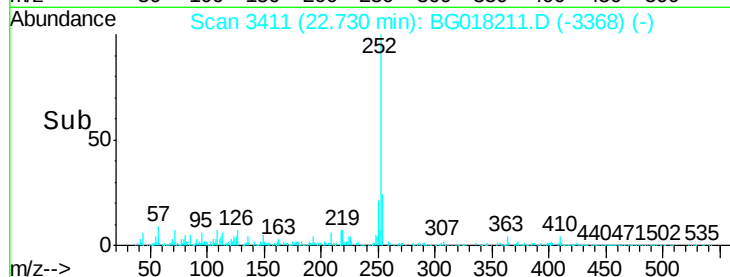
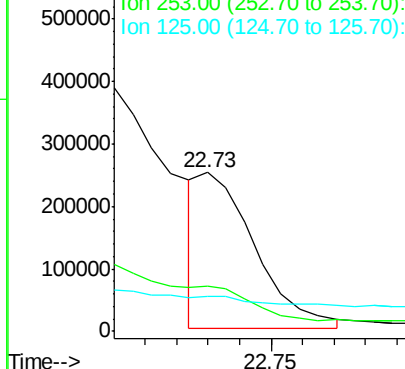
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	28.1	18.2	27.2#	
125	22.2	7.5	11.3#	

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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



#91

Benzo(a)pyrene

Concen: 35.31 ng/ul

RT: 23.26 min Scan# 3501

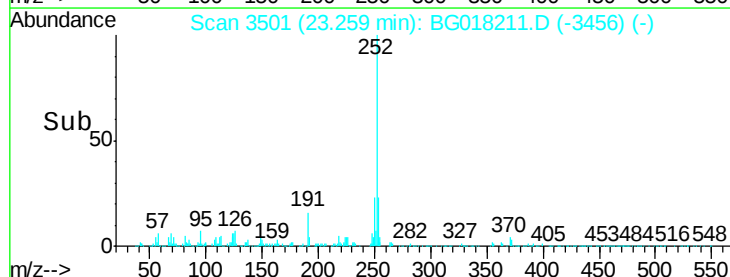
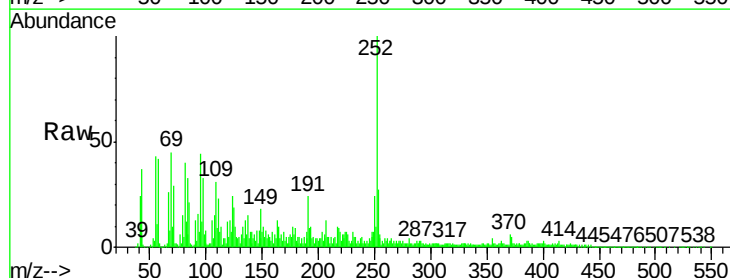
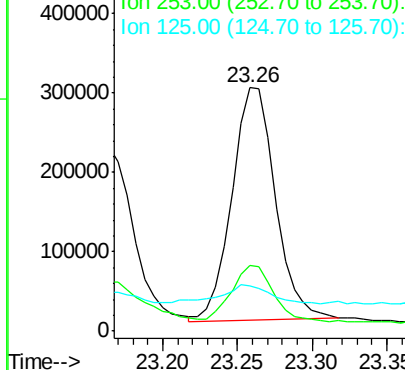
Delta R.T. 0.07 min

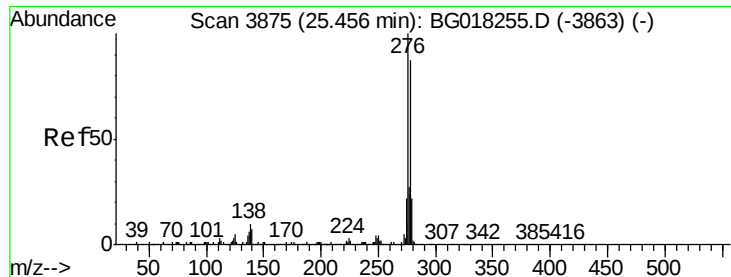
Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	27.2	17.4	26.2#	
125	18.8	7.3	10.9#	

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: 14.67 ng/ul

RT: 25.58 min Scan# 3896

Delta R.T. 0.11 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

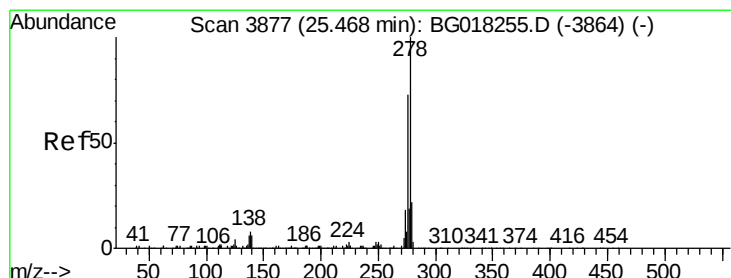
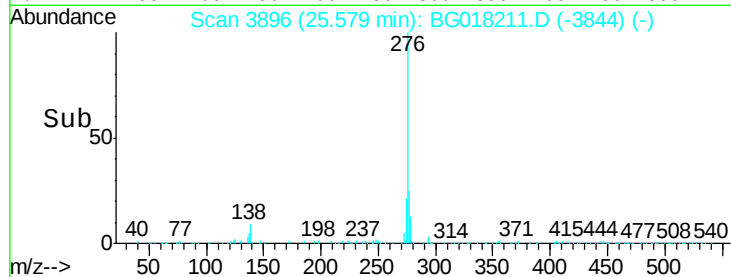
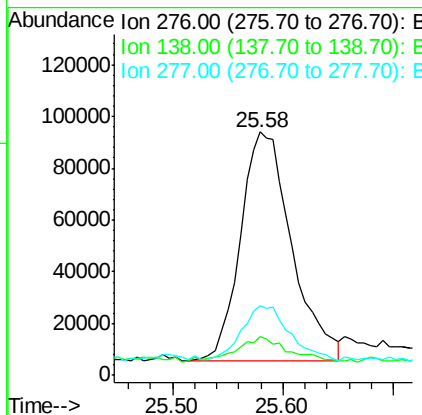
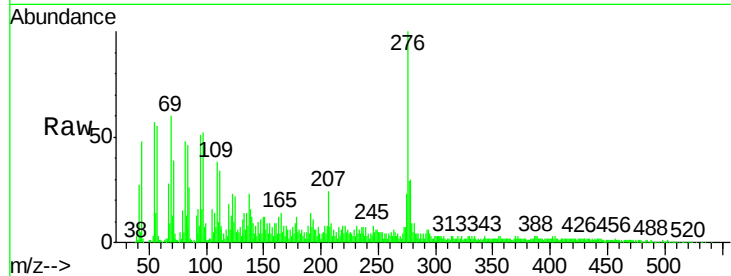
ClientSampleId :

C02A2

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	286920		
138	15.8	17.2	25.8#	
277	28.8	19.5	29.3	

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#93

Dibenzo(a,h)anthracene

Concen: 4.33 ng/ul

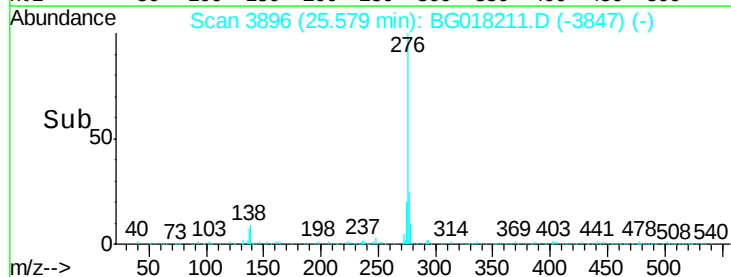
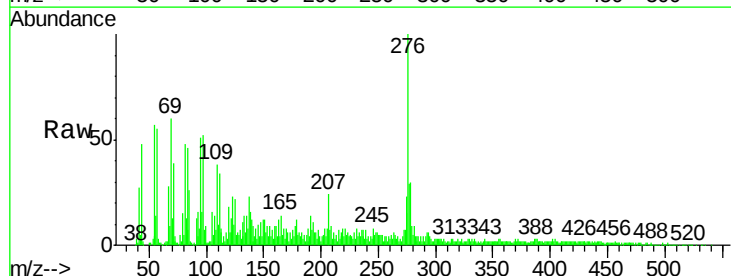
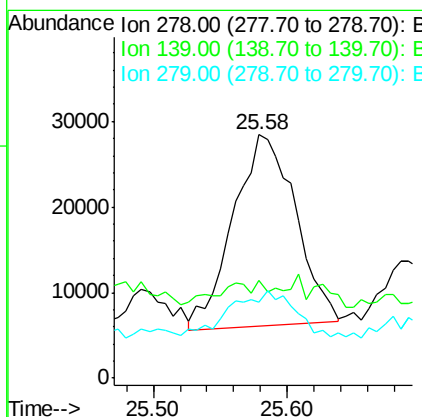
RT: 25.58 min Scan# 3896

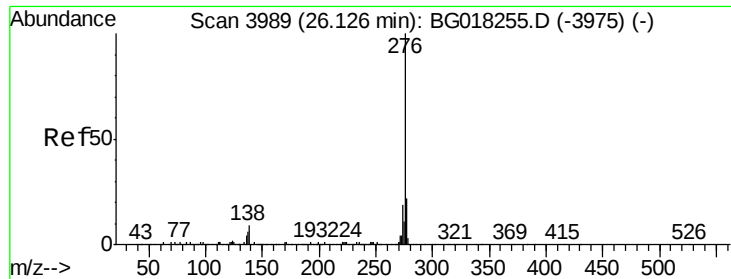
Delta R.T. 0.09 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	72478		
139	40.0	12.2	18.2#	
279	31.0	20.0	30.0#	





#94

Benzo(g,h,i)perylene

Concen: 17.09 ng/ul m

RT: 26.28 min Scan# 4015

Delta R.T. 0.14 min

Lab File: BG018211.D

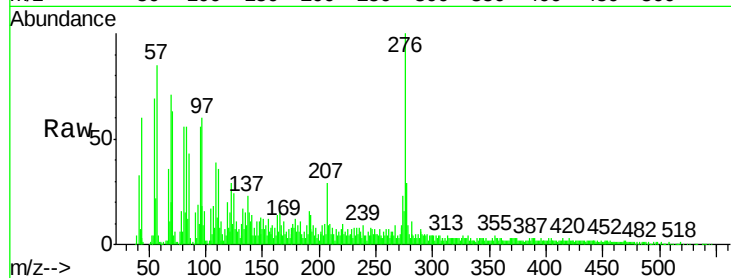
Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

C02A2



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	14.8	15.1	22.7#	
277	29.1	19.8	29.6	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:47 PM

