

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
 Data File : BG018322.D
 Acq On : 8 Aug 2015 9:35
 Operator : UM/TP
 Sample : G3095-13DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01S4DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:23:17 PM

Quant Time: Aug 10 04:58:40 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 01:57:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	15051	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	69312	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.09	164	47486	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	96608m	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	71495m	20.00	ng/ul	0.00
86) Perylene-d12	23.22	264	60927	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.61	99	6887	4.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	3625	4.51	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	5254	4.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	5620	4.70	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	2982	4.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	2873	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	4796	3.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	4754	3.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.51	166	20924	4.37	ng/ul	0.00
47) Acenaphthylene-d8	13.77	160	22261	4.21	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.10	176	17954	4.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.95	188	24672	4.73	ng/ul	0.00
79) Pyrene-d10	19.26	212	21412	5.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.08	264	16777	4.26	ng/ul	0.00

Target Compounds

						Ovalue
50) Acenaphthene	14.15	153	7730	2.17	ng/ul	96
59) Fluorene	15.15	166	8096	1.78	ng/ul	89
70) Phenanthrene	16.89	178	153178m	25.35	ng/ul	
72) Anthracene	16.98	178	34330	5.65	ng/ul	96
75) Carbazole	17.26	167	8381m	1.78	ng/ul	
77) Fluoranthene	18.93	202	348192m	52.85	ng/ul	
80) Pyrene	19.30	202	297147	57.02	ng/ul	99
83) Benzo(a)anthracene	21.05	228	141179m	29.01	ng/ul	
85) Chrysene	21.10	228	123372m	27.40	ng/ul	
88) Benzo(b)fluoranthene	22.58	252	163117	35.34	ng/ul	93
89) Benzo(k)fluoranthene	22.62	252	51544m	11.69	ng/ul	
91) Benzo(a)pyrene	23.13	252	113177	27.23	ng/ul	93
92) Indeno(1,2,3-cd)pyrene	25.38	276	89600	17.65	ng/ul	96
93) Dibenzo(a,h)anthracene	25.38	278	22964	5.19	ng/ul#	93
94) Benzo(g,h,i)perylene	26.04	276	78571	19.00	ng/ul	93

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

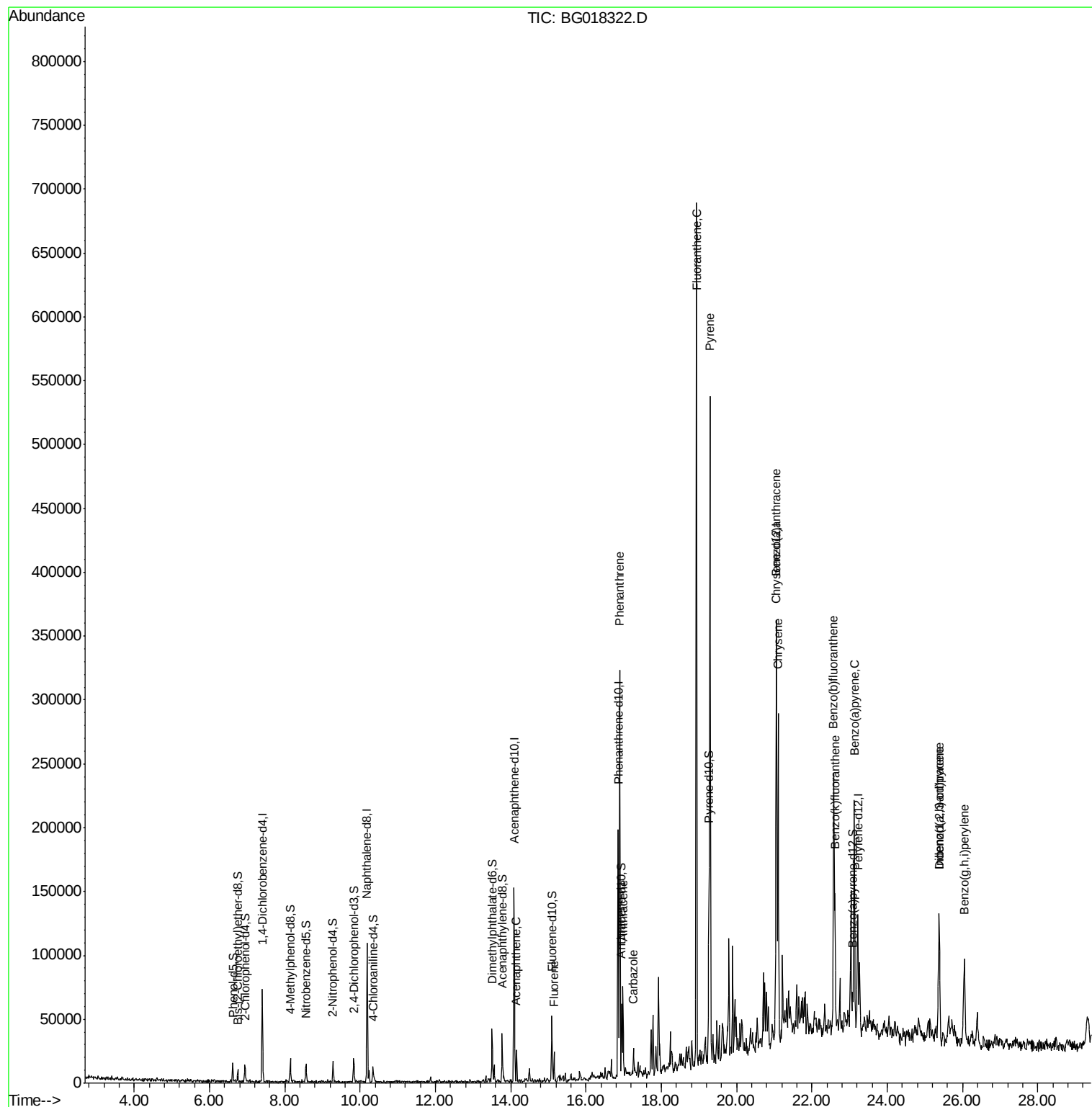
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
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Misc :
ALS Vial : 31 Sample Multiplier: 1

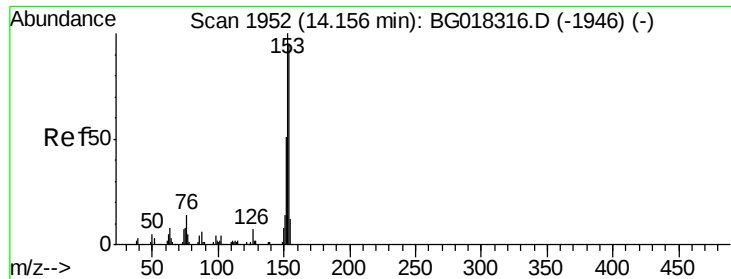
Instrument :
BNA_G
ClientSampleId :
C01S4DL

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 01:57:33 2015
Response via : Initial Calibration





#50

Acenaphthene

Concen: 2.17 ng/ul

RT: 14.15 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

Instrument :

BNA_G

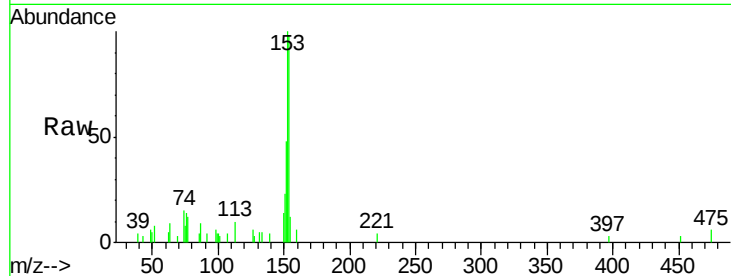
ClientSampleId :

C01S4DL

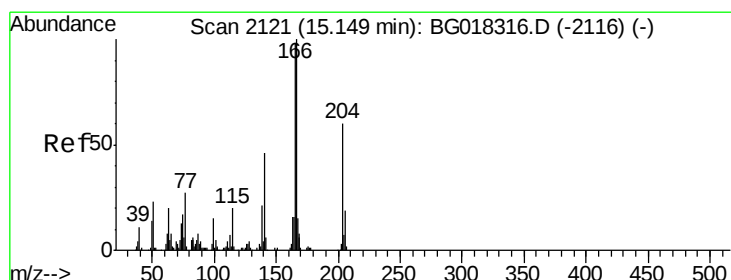
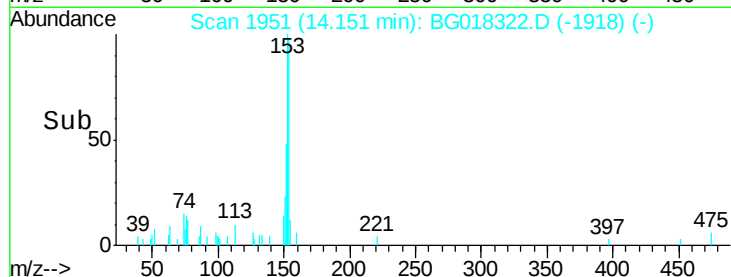
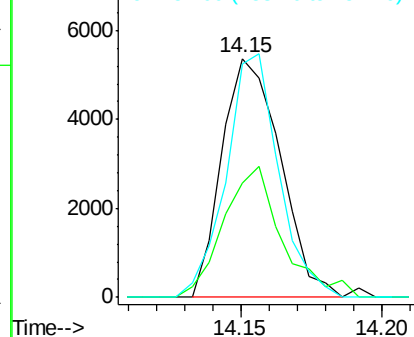
Tot Ion:	153	Resp:	7730
Ion Ratio	Lower	Upper	
153	100		
152	47.7	41.1	61.7
154	97.8	76.2	114.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 1.78 ng/ul

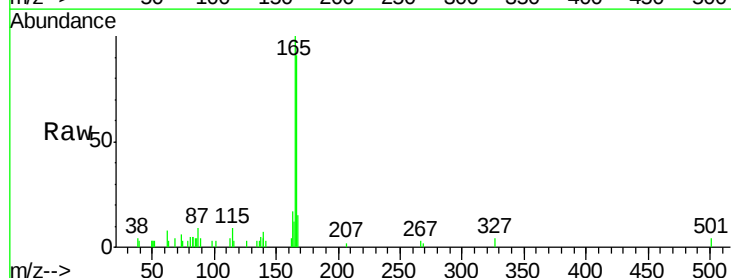
RT: 15.15 min Scan# 2121

Delta R.T. 0.00 min

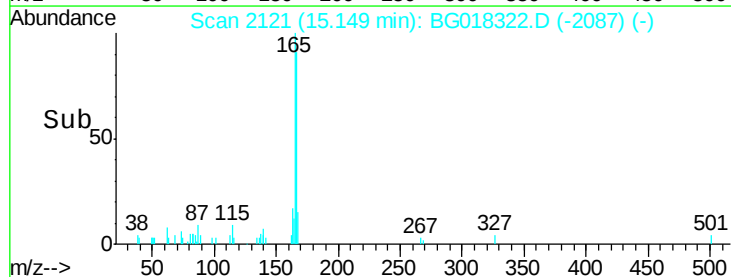
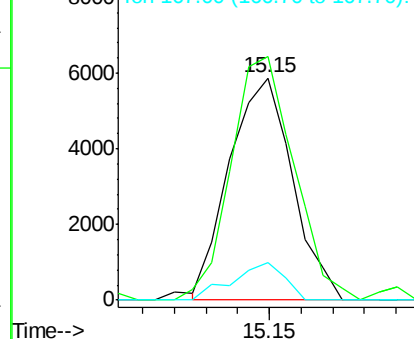
Lab File: BG018322.D

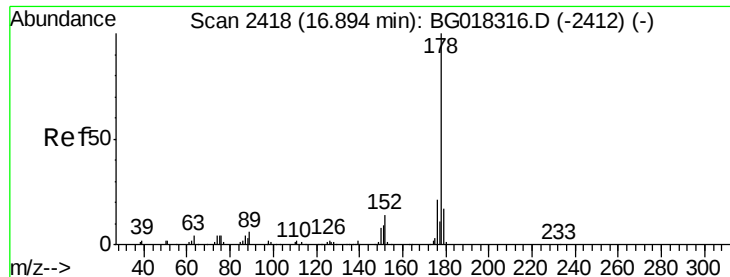
Acq: 8 Aug 2015 9:35

Tgt Ion:	166	Resp:	8096
Ion Ratio	Lower	Upper	
166	100		
165	109.5	78.5	117.7
167	16.9	11.9	17.9



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





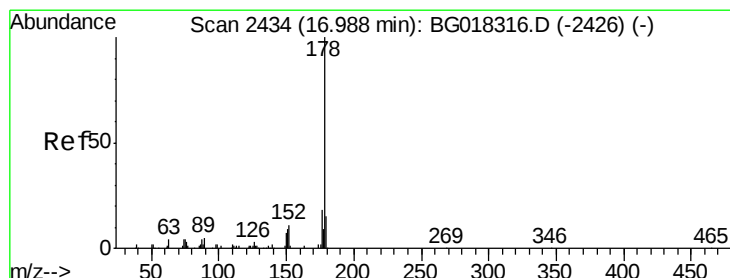
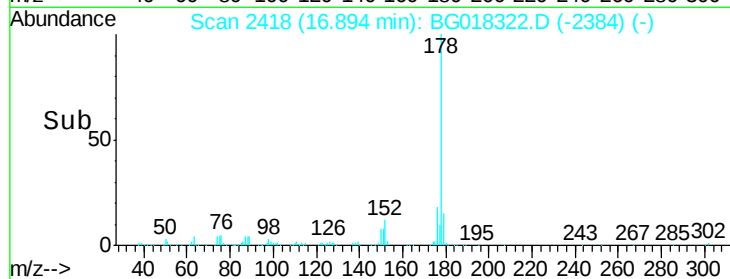
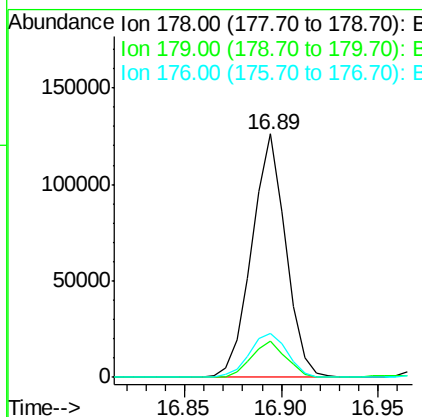
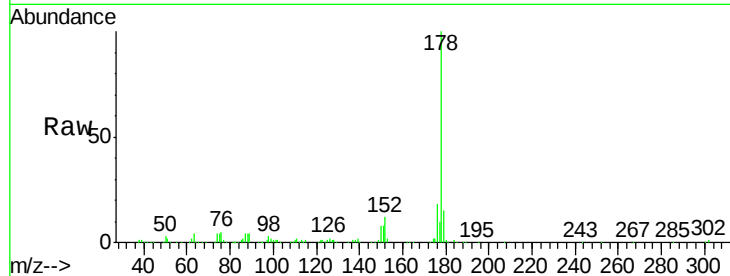
#70
Phenanthrene
Concen: 25.35 ng/ul m
RT: 16.89 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BG018322.D
Acq: 8 Aug 2015 9:35

Instrument :
BNA_G
ClientSampleId :
C01S4DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.6	13.4	20.2
176	17.9	16.7	25.1

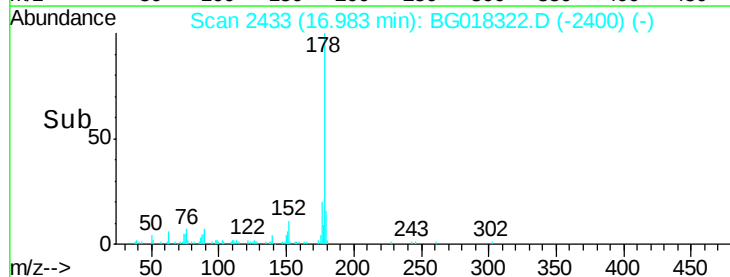
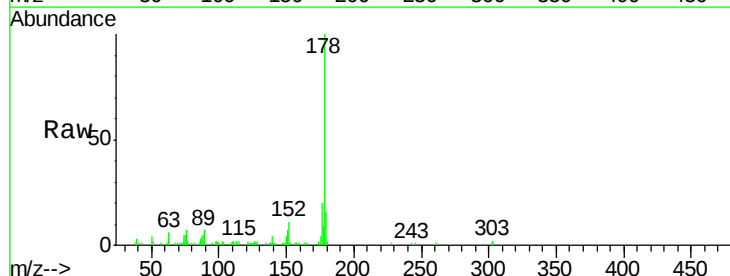
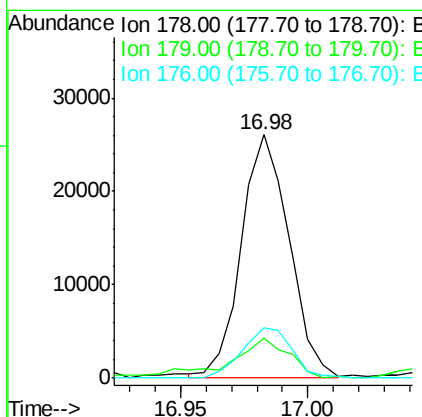
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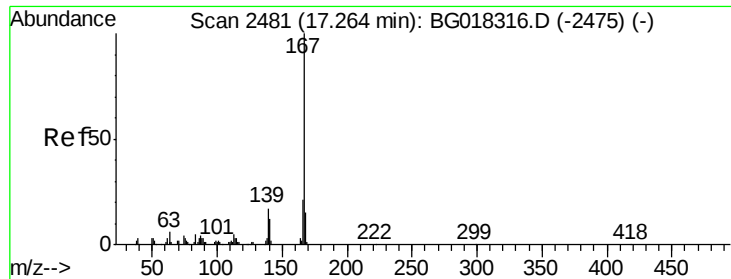
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#72
Anthracene
Concen: 5.65 ng/ul
RT: 16.98 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG018322.D
Acq: 8 Aug 2015 9:35

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.8	17.8
176	20.4	14.7	22.1





#75

Carbazole

Concen: 1.78 ng/ul m

RT: 17.26 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

Instrument :

BNA_G

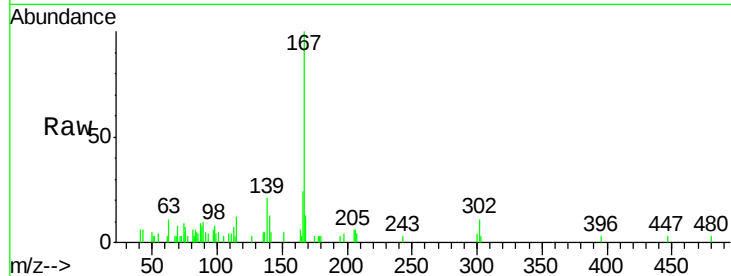
ClientSampleId :

C01S4DL

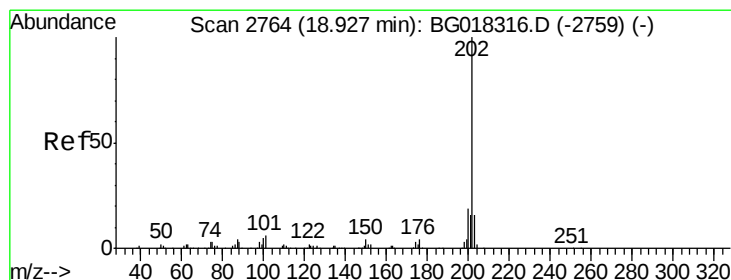
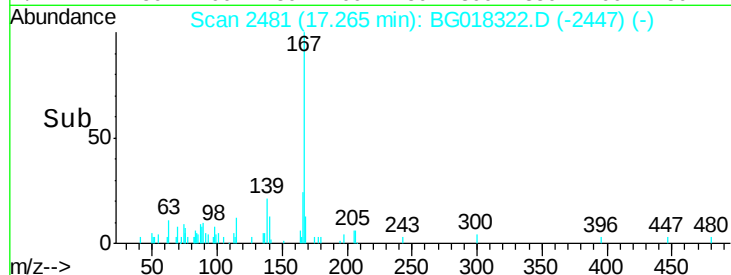
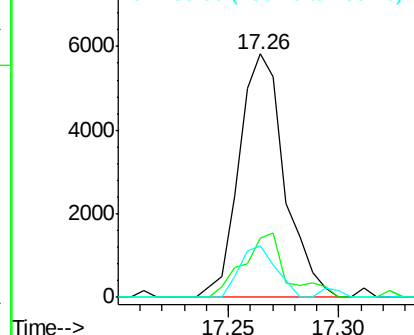
Tot Ion:	167	Resp:	8381
Ion Ratio	Lower	Upper	
167	100		
166	24.3	16.5	24.7
139	21.3	13.4	20.2#

Manual Integrations
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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



#77

Fluoranthene

Concen: 52.85 ng/ul m

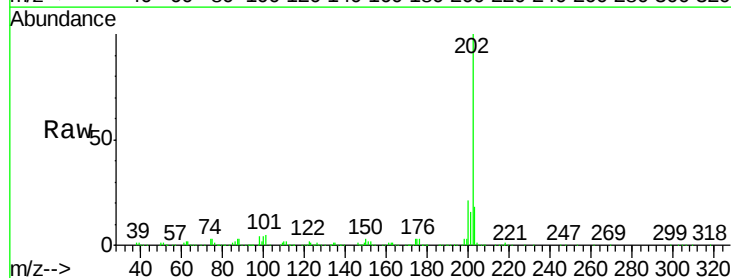
RT: 18.93 min Scan# 2765

Delta R.T. 0.01 min

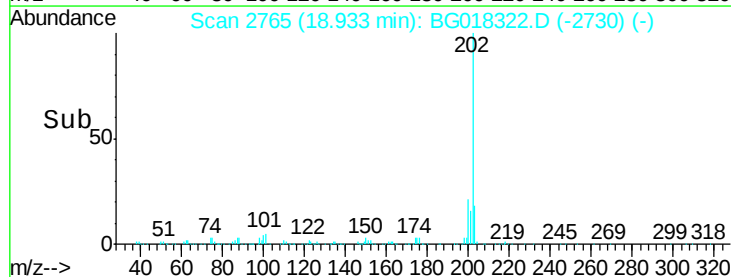
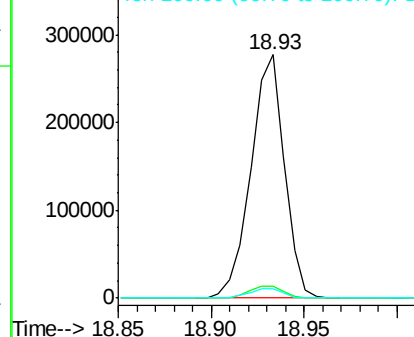
Lab File: BG018322.D

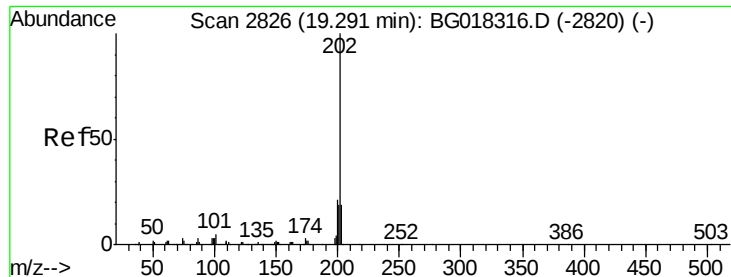
Acq: 8 Aug 2015 9:35

Tgt Ion:	202	Resp:	348192
Ion Ratio	Lower	Upper	
202	100		
101	5.0	4.5	6.7
100	3.6	3.9	5.9#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





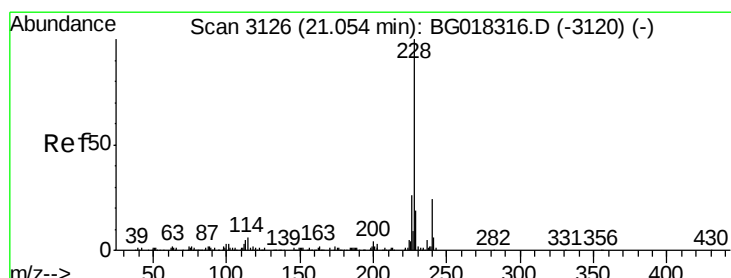
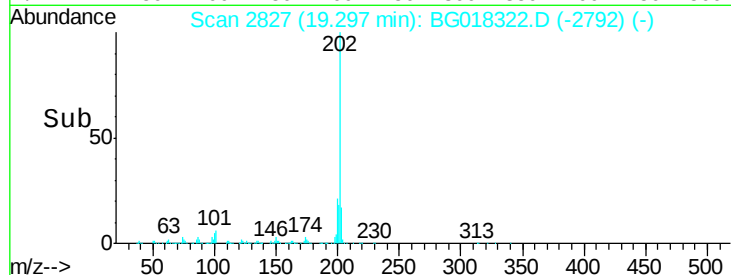
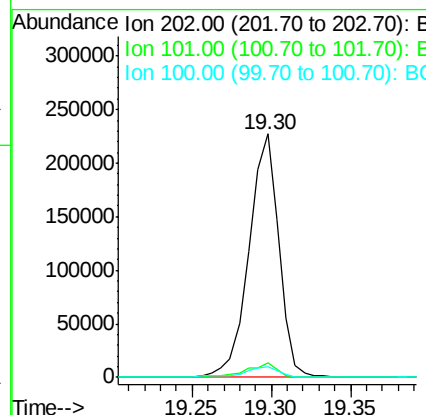
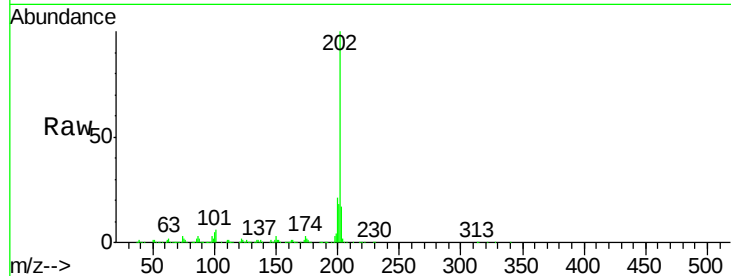
#80
Pvrene
Concen: 57.02 ng/ul
RT: 19.30 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BG018322.D
Acq: 8 Aug 2015 9:35

Instrument :
BNA_G
ClientSampleId :
C01S4DL

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	5.7	4.4	6.6	
100	4.6	3.8	5.8	

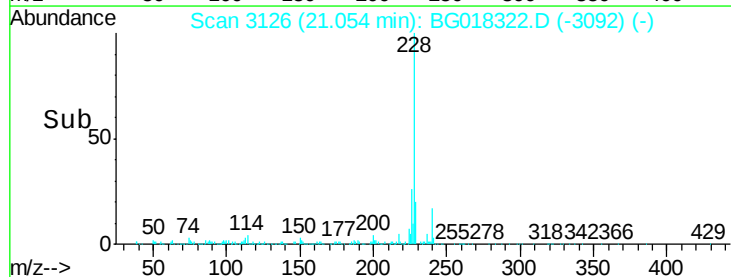
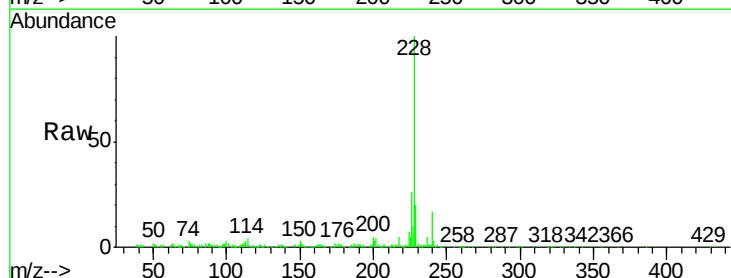
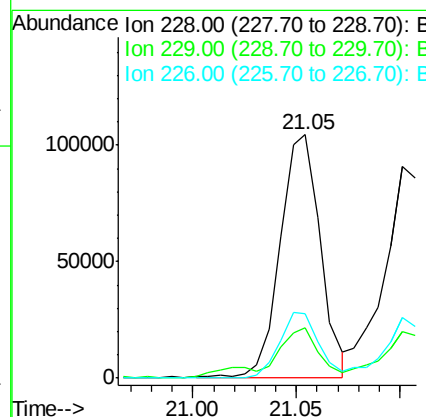
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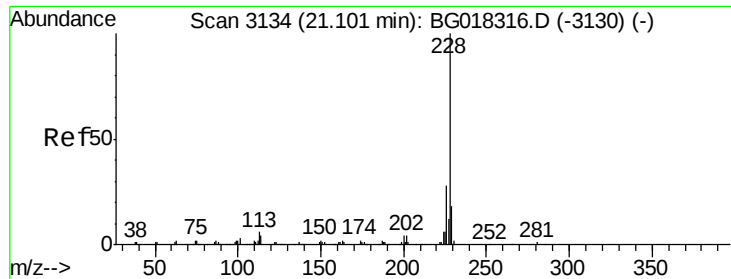
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#83
Benzo(a)anthracene
Concen: 29.01 ng/ul m
RT: 21.05 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BG018322.D
Acq: 8 Aug 2015 9:35

Tgt Ion	Ion	Ratio	Resp Lower	Resp Upper
228	100			
229	20.4	15.4	23.2	
226	26.4	20.9	31.3	





#85

Chrysene

Concen: 27.40 ng/ul m

RT: 21.10 min Scan# 3134

Delta R.T. 0.00 min

Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

Instrument :

BNA_G

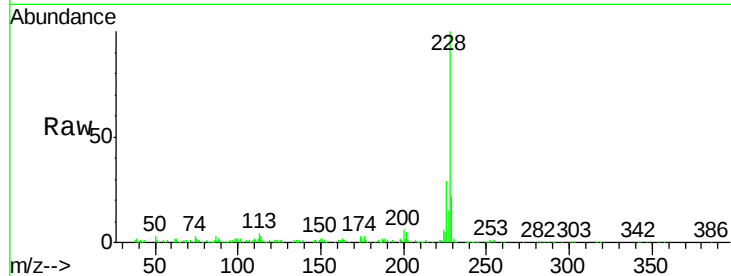
ClientSampleId :

C01S4DL

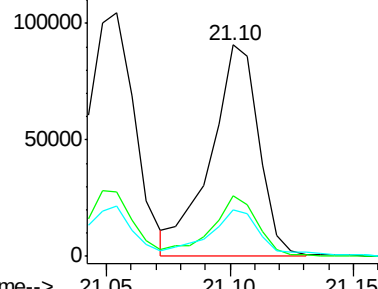
Tot Ion	Ratio	Resp	Lower	Upper
228	100	123372		
226	28.8	22.6	33.8	
229	22.2	14.2	21.2	

Manual Integrations
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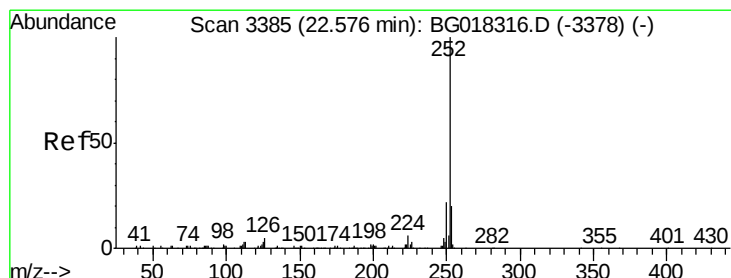
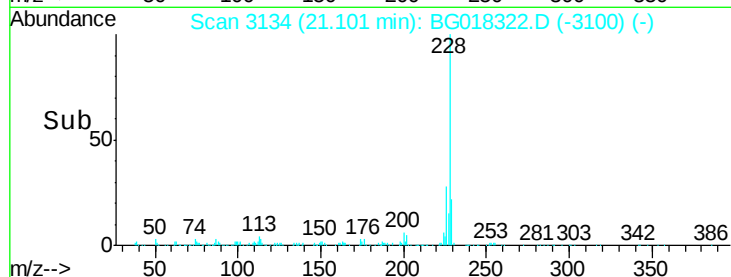
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.05 21.10 21.15



#88

Benzo(b)fluoranthene

Concen: 35.34 ng/ul

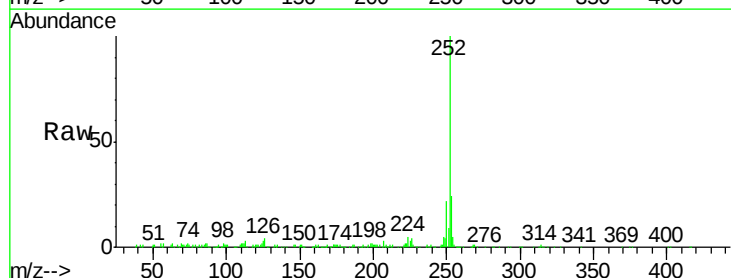
RT: 22.58 min Scan# 3385

Delta R.T. 0.00 min

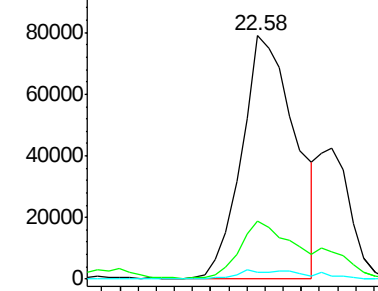
Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

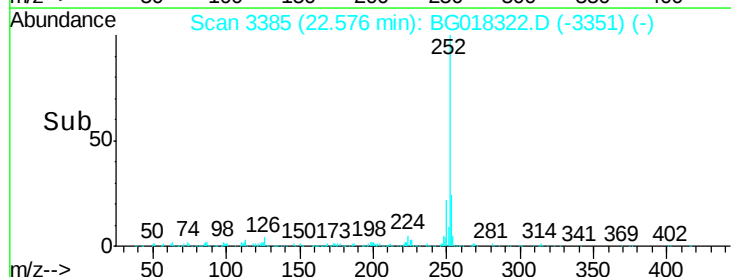
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	163117		
253	24.1	16.2	24.4	
125	2.8	2.4	3.6	

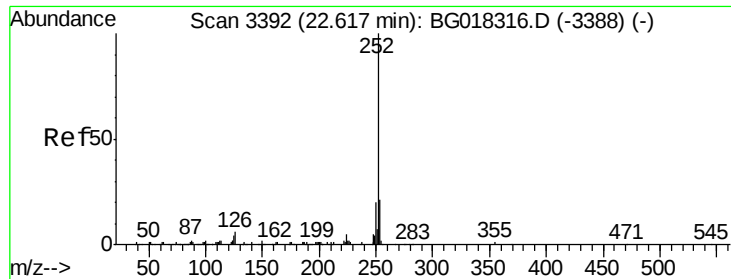


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 22.50 22.55 22.60





#89

Benzo(k)fluoranthene

Concen: 11.69 ng/ul m

RT: 22.62 min Scan# 3392

Delta R.T. 0.00 min

Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

Instrument :

BNA_G

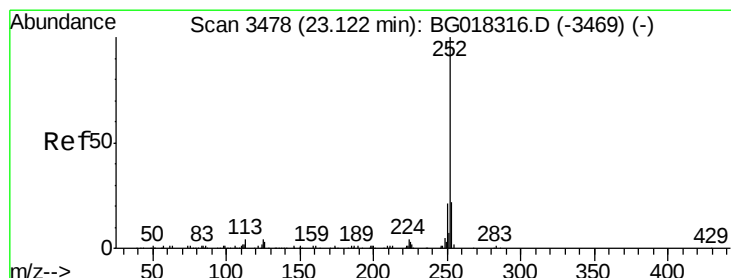
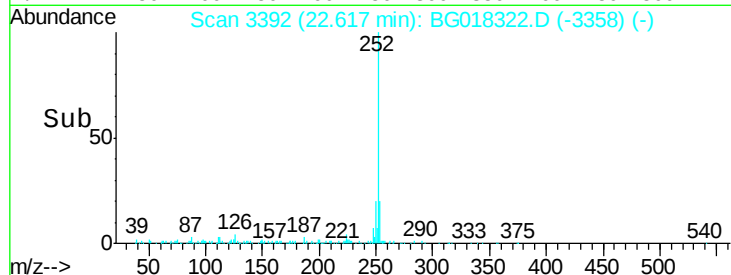
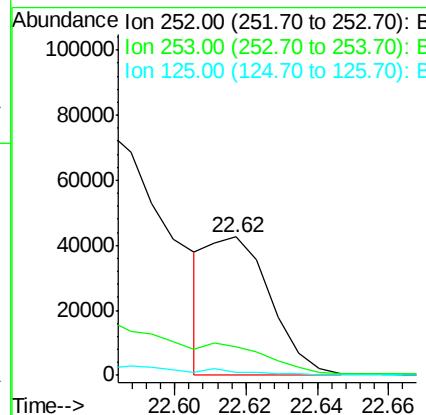
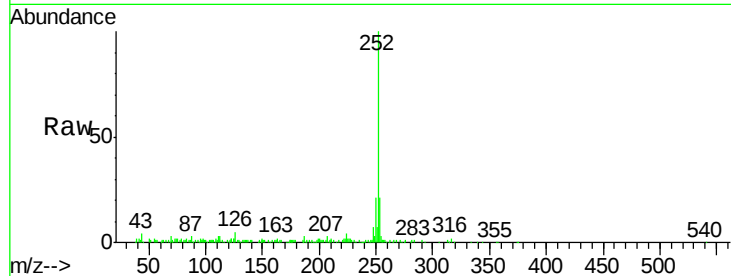
ClientSampleId :

C01S4DL

Tot Ion:	252	Resp:	51544
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.4	26.0
125	2.4	3.3	4.9#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 27.23 ng/ul

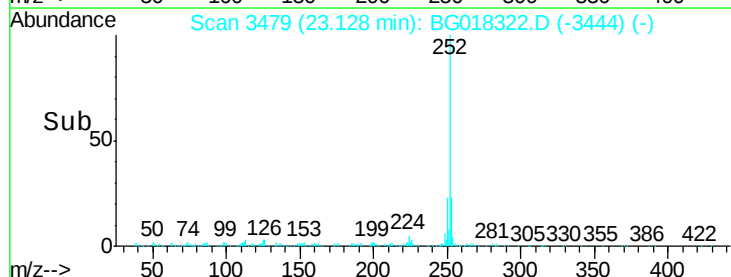
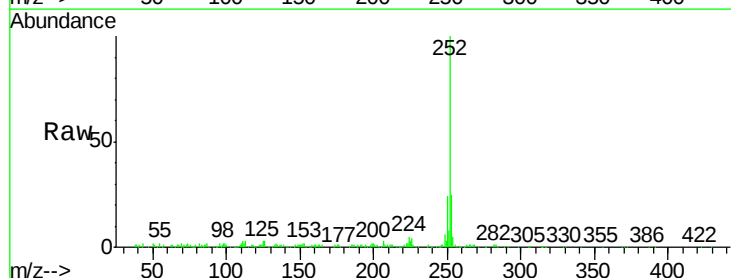
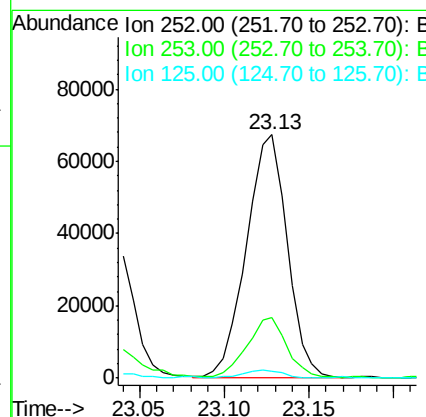
RT: 23.13 min Scan# 3479

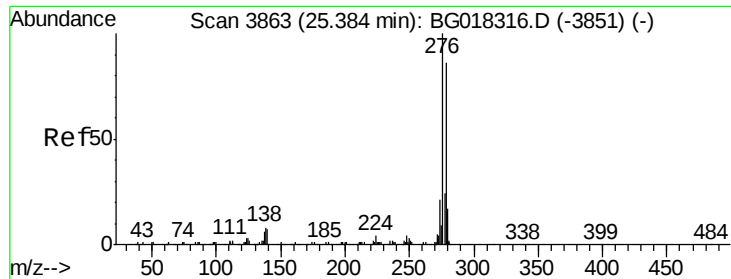
Delta R.T. 0.01 min

Lab File: BG018322.D

Acq: 8 Aug 2015 9:35

Tgt Ion:	252	Resp:	113177
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.2	25.8
125	2.9	2.8	4.2





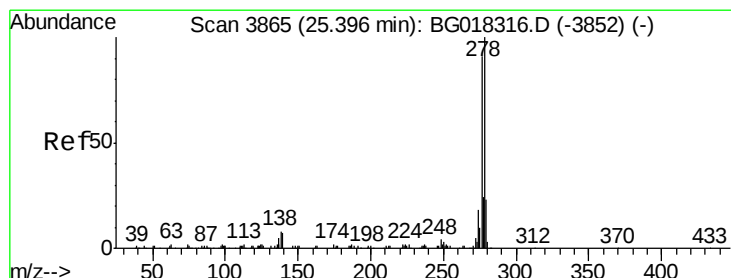
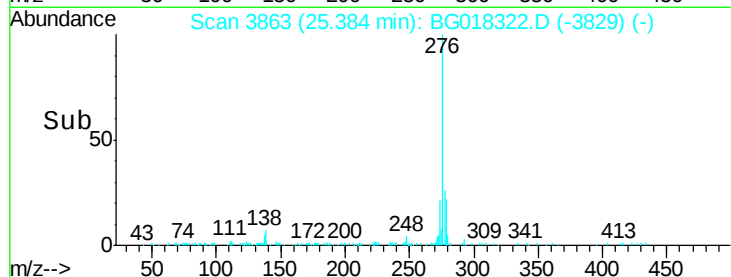
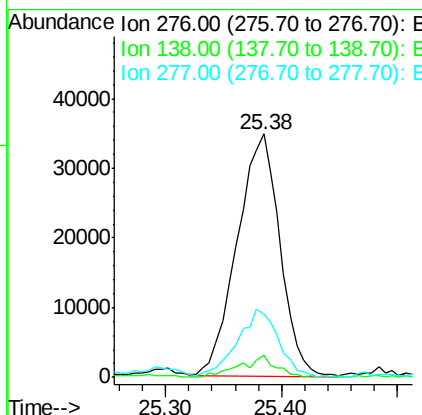
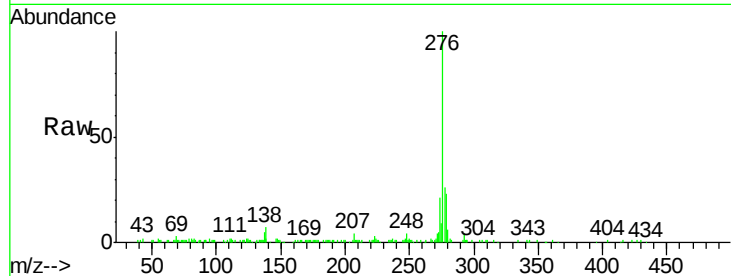
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 17.65 ng/ul
 RT: 25.38 min Scan# 3863
 Delta R.T. 0.00 min
 Lab File: BG018322.D
 Acq: 8 Aug 2015 9:35

Instrument :
 BNA_G
 ClientSampleId :
 C01S4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.0	6.6	9.8
277	26.0	18.9	28.3

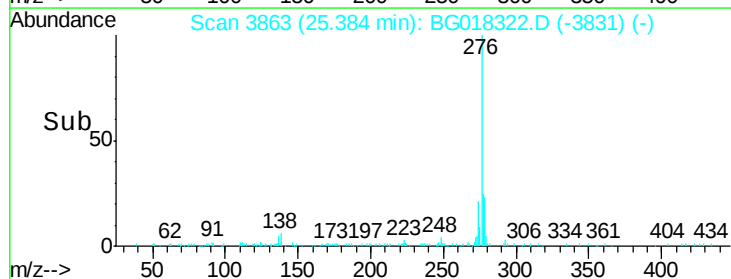
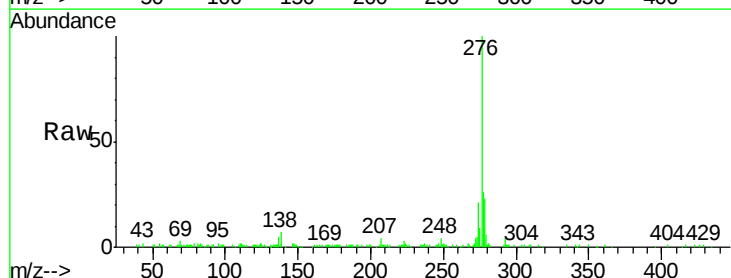
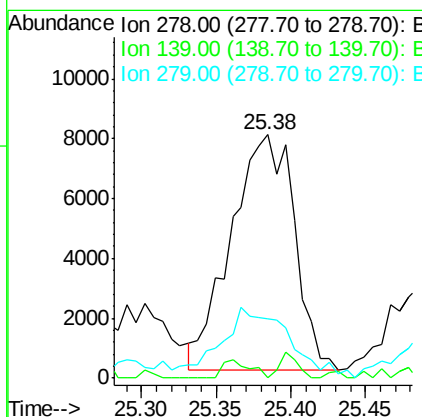
Manual Integrations
 APPROVED

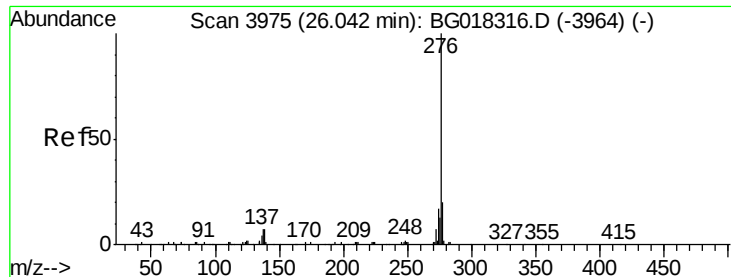
MMDadoda
 8/10/2015 7:23:17 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 5.19 ng/ul
 RT: 25.38 min Scan# 3863
 Delta R.T. -0.01 min
 Lab File: BG018322.D
 Acq: 8 Aug 2015 9:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.4	8.0#
279	24.2	18.2	27.4





#94
 Benzo(a,h,i)perylene
 Concen: 19.00 ng/ul
 RT: 26.04 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: BG018322.D
 Acq: 8 Aug 2015 9:35

Instrument :
 BNA_G
 ClientSampleId :
 C01S4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.6	5.8	8.6
277	24.2	16.2	24.4

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:23:17 PM

