

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
 Data File : BG018304.D
 Acq On : 6 Aug 2015 14:45
 Operator : UM/TP
 Sample : G3109-11DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L4DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 10:12:34 AM

Quant Time: Aug 07 02:21:05 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 01:32:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	22651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	98836	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	70533	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	171215	20.00	ng/ul	-0.02
78) Chrysene-d12	21.09	240	89546	20.00	ng/ul	-0.02
86) Perylene-d12	23.25	264	91708	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	4345	2.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	2466	2.86	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	4082	2.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2244	1.49	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	2196	2.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	2640	2.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	5159	3.17	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.53	166	17567	3.22	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	19405	3.14	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	1763	1.96	ng/ul	0.00
58) Fluorene-d10	15.12	176	17925	3.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	707	0.60	ng/ul	0.00
71) Anthracene-d10	16.97	188	24777	3.29	ng/ul	0.00
79) Pyrene-d10	19.29	212	21678	4.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.11	264	14135m	2.96	ng/ul	-0.03

Target Compounds

						Ovalue
45) Dimethylphthalate	13.57	163	6829	1.25	ng/ul#	90
50) Acenaphthene	14.18	153	7613	1.85	ng/ul	97
59) Fluorene	15.17	166	9863	1.85	ng/ul#	79
70) Phenanthrene	16.91	178	145707	16.86	ng/ul	96
72) Anthracene	17.01	178	32730	3.80	ng/ul	99
75) Carbazole	17.29	167	14271	1.96	ng/ul#	96
77) Fluoranthene	18.95	202	247461	25.82	ng/ul#	94
80) Pyrene	19.32	202	223529	35.90	ng/ul	98
83) Benzo(a)anthracene	21.07	228	68608	14.52	ng/ul	100
85) Chrysene	21.12	228	67469	15.89	ng/ul	97
88) Benzo(b)fluoranthene	22.61	252	109739	19.51	ng/ul#	98
89) Benzo(k)fluoranthene	22.64	252	40995	7.60	ng/ul#	86
91) Benzo(a)pyrene	23.16	252	82400	16.78	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.43	276	64252	10.58	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.43	278	17847	3.35	ng/ul#	85
94) Benzo(g,h,i)perylene	26.10	276	61549	12.48	ng/ul	94

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

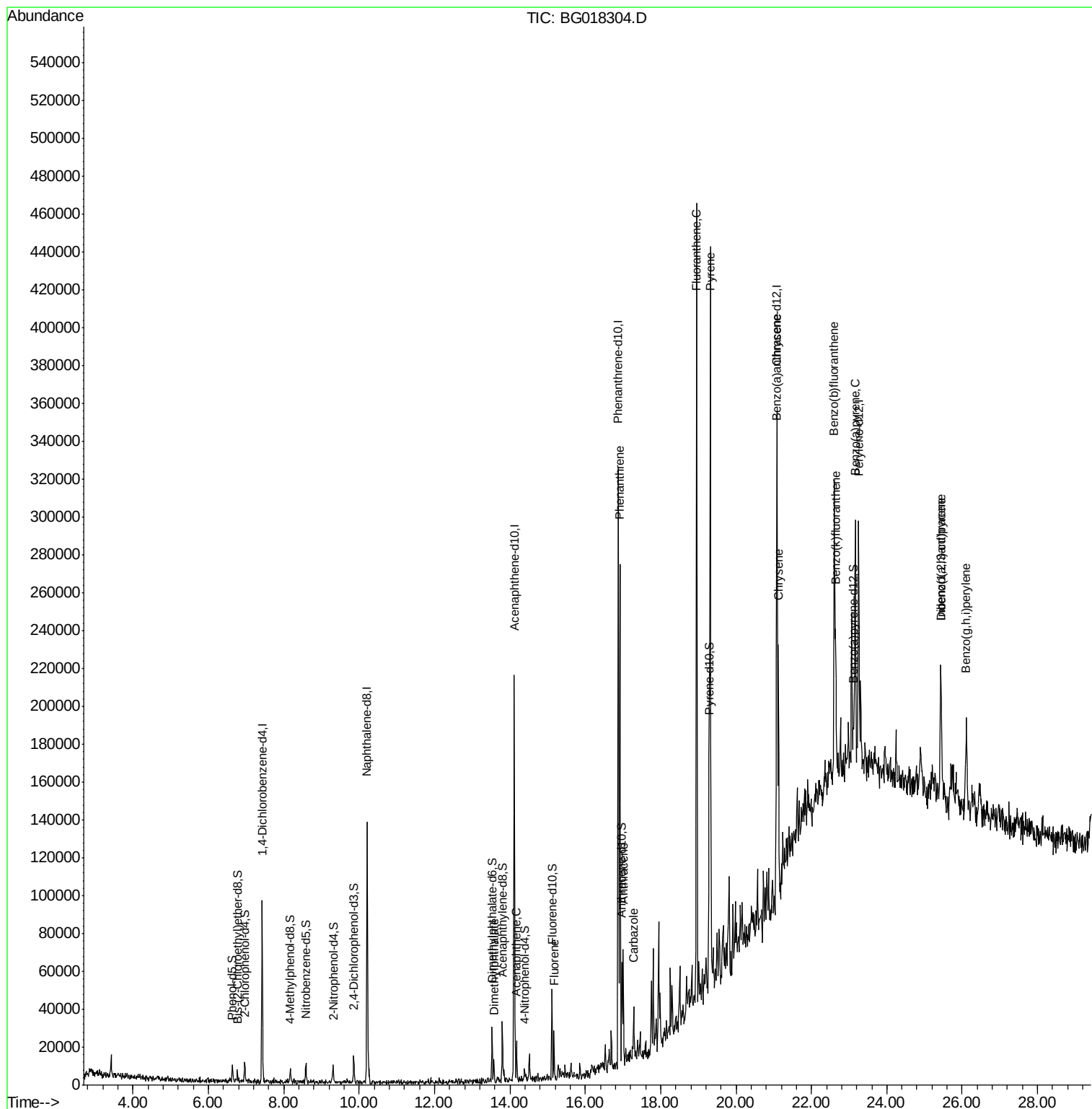
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018304.D
Acq On : 6 Aug 2015 14:45
Operator : UM/TP
Sample : G3109-11DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

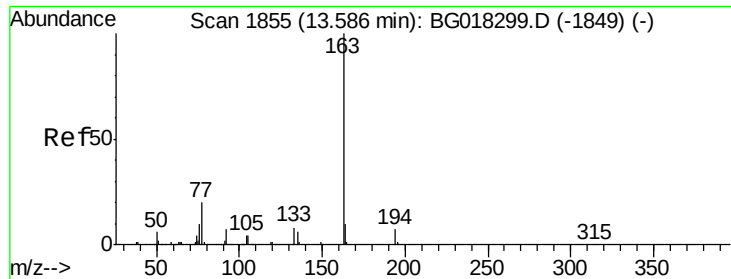
Instrument :
BNA_G
ClientSampleId :
C02L4DL

Manual Integrations
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Quant Time: Aug 07 02:21:05 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration





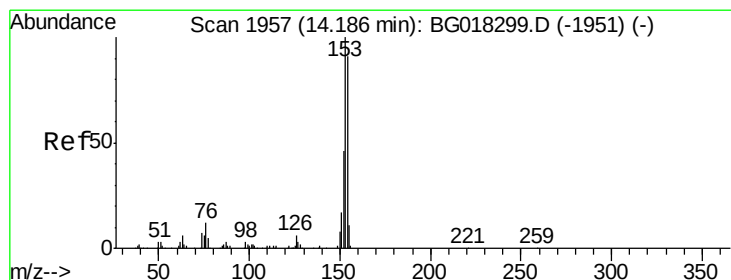
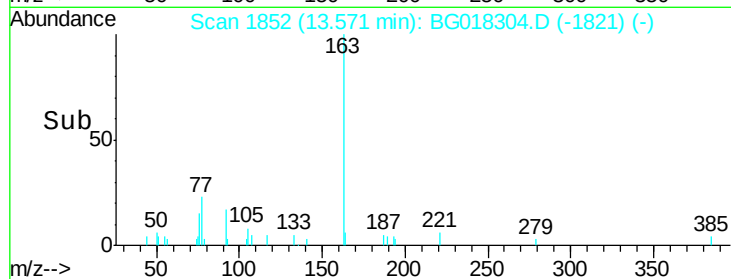
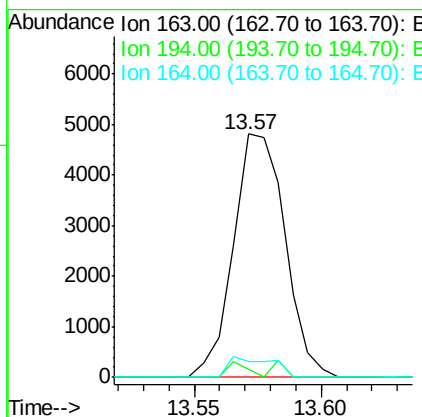
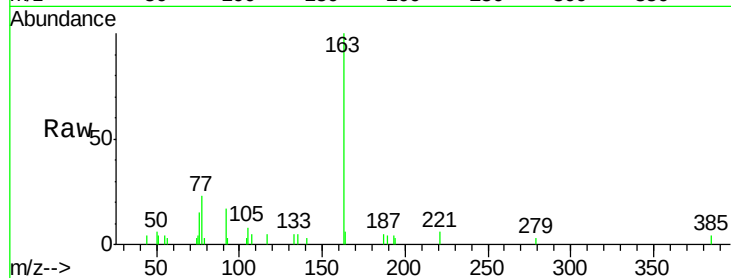
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Dimethylphthalate
Concen: 1.25 ng/ul
RT: 13.57 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Instrument :
BNA_G
ClientSampleId :
C02L4DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	6829		
194	3.2	5.4	8.2#	
164	6.4	7.8	11.8#	

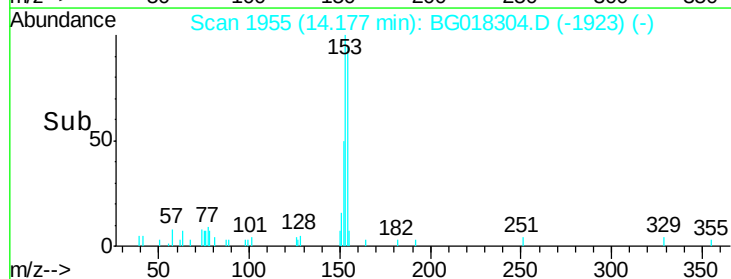
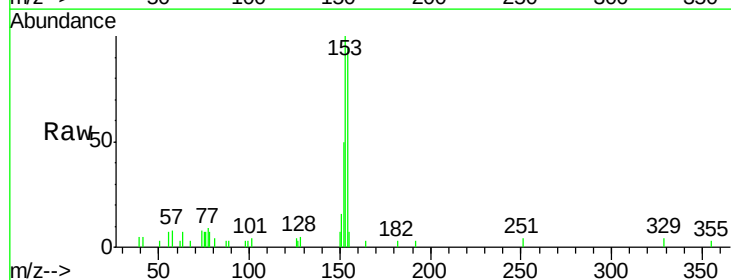
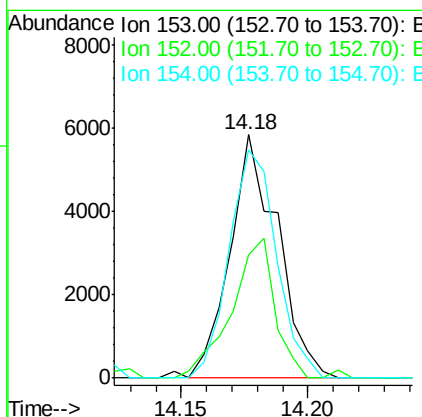
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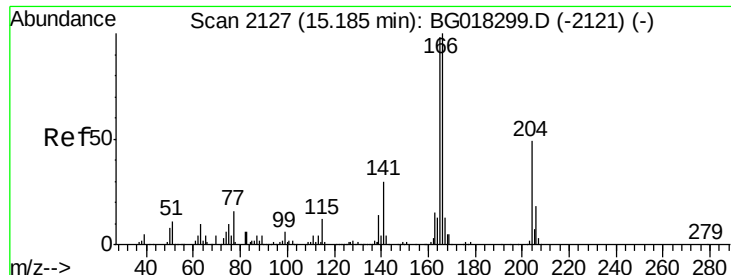
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#50
Acenaphthene
Concen: 1.85 ng/ul
RT: 14.18 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	7613		
152	50.5	39.0	58.4	
154	93.7	77.4	116.2	





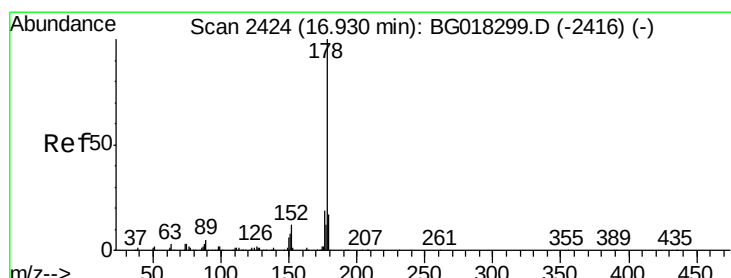
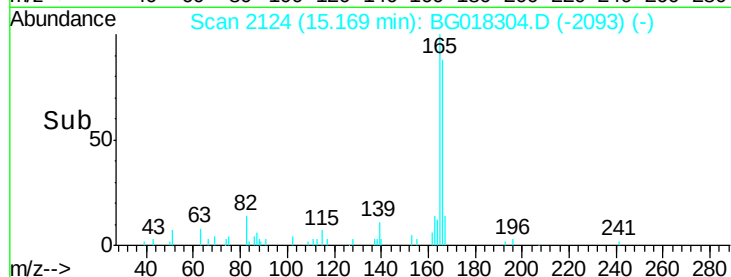
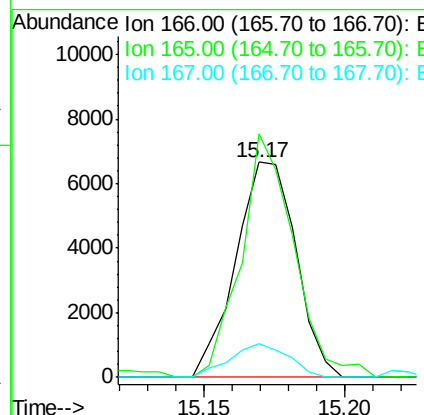
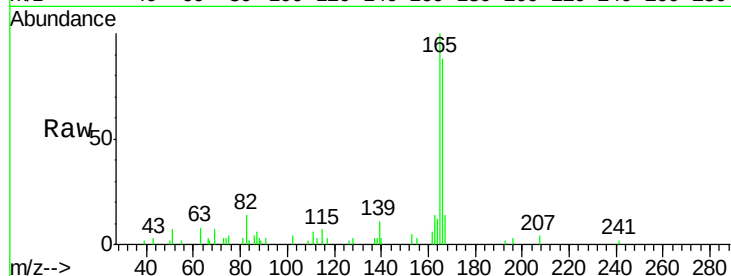
#59
Fluorene
Concen: 1.85 ng/ul
RT: 15.17 min Scan# 2124
Delta R.T. -0.02 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Instrument :
BNA_G
ClientSampleId :
C02L4DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	9863		
165	113.1	72.4	108.6	#
167	15.5	11.4	17.0	

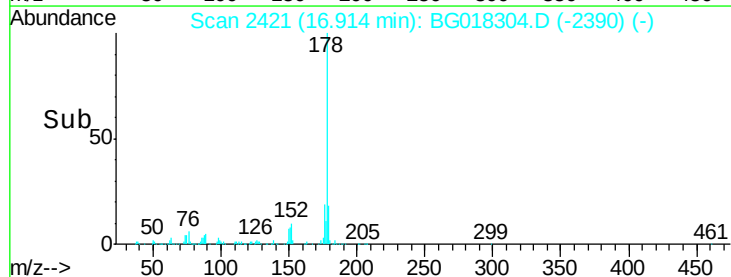
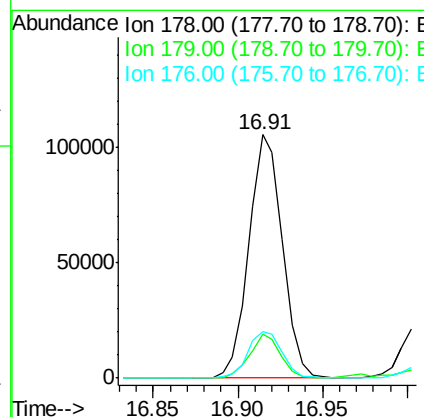
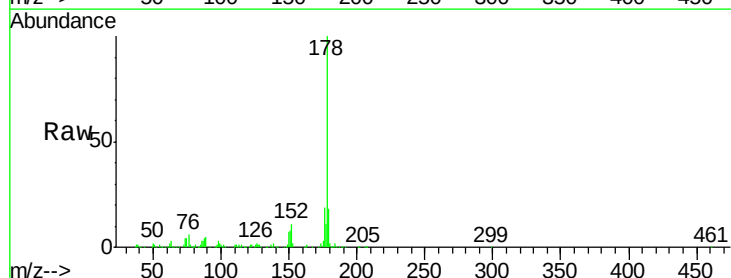
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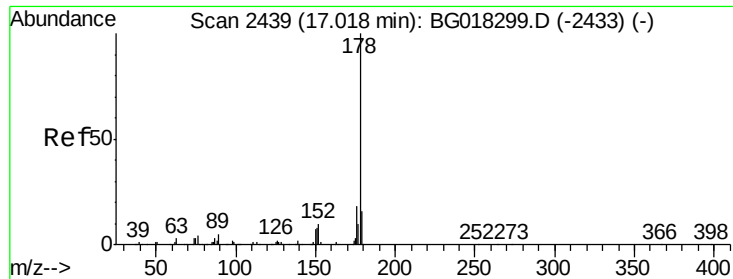
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#70
Phenanthrene
Concen: 16.86 ng/ul
RT: 16.91 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	145707		
179	18.1	12.2	18.4	
176	19.2	14.5	21.7	





#72

Anthracene

Concen: 3.80 ng/ul

RT: 17.01 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

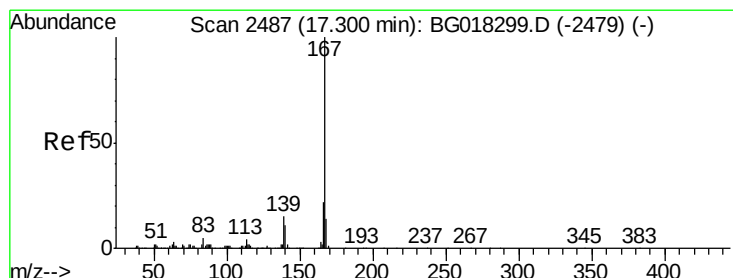
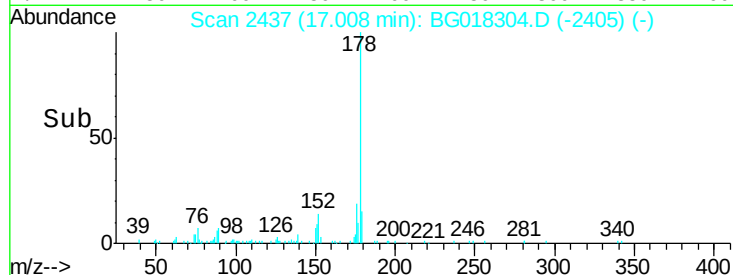
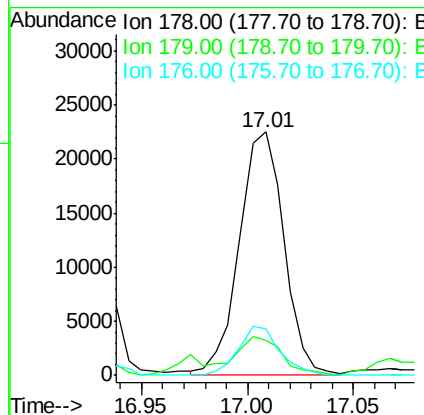
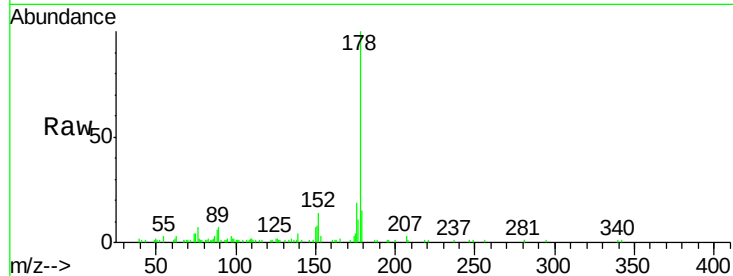
ClientSampleId :

C02L4DL

Tot Ion:	178	Resp:	32730
Ion Ratio		Lower	Upper
178	100		
179	14.5	12.2	18.4
176	19.2	15.3	22.9

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#75

Carbazole

Concen: 1.96 ng/ul

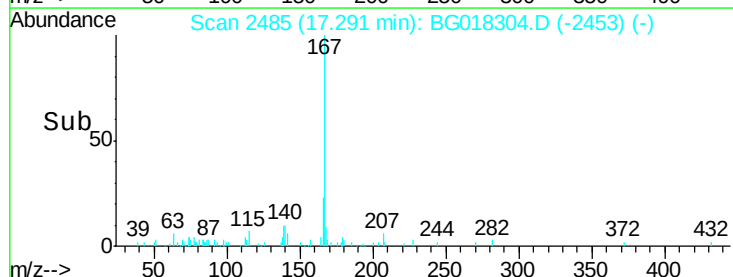
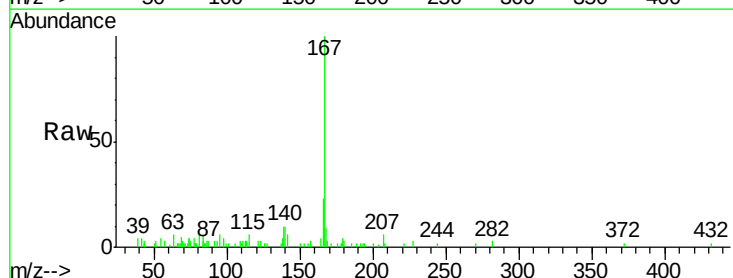
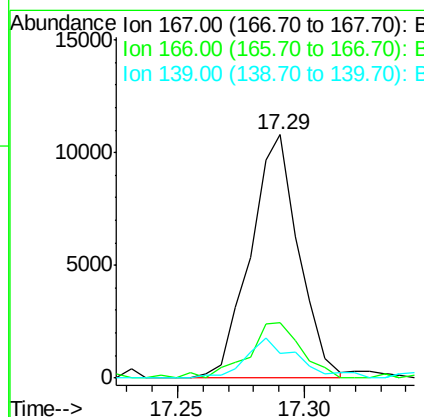
RT: 17.29 min Scan# 2485

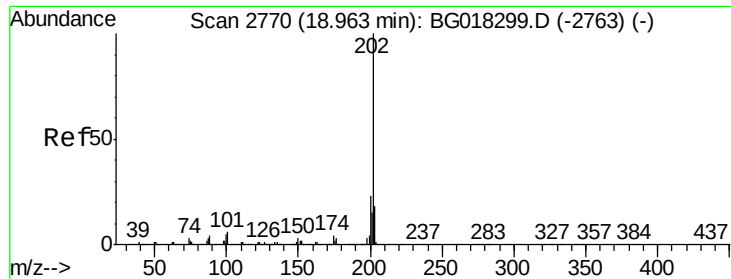
Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Tgt Ion:	167	Resp:	14271
Ion Ratio		Lower	Upper
167	100		
166	22.8	17.8	26.8
139	10.0	10.6	16.0#





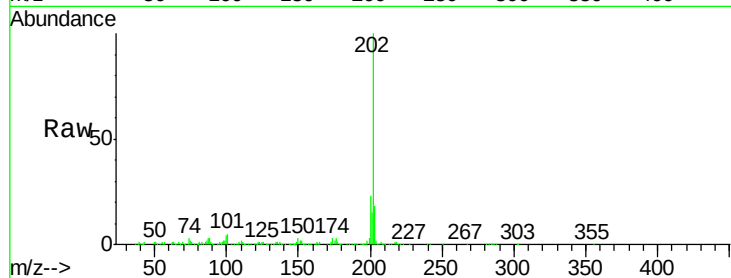
#77
Fluoranthene
Concen: 25.82 ng/ul
RT: 18.95 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Instrument :
BNA_G
ClientSampleId :
C02L4DL

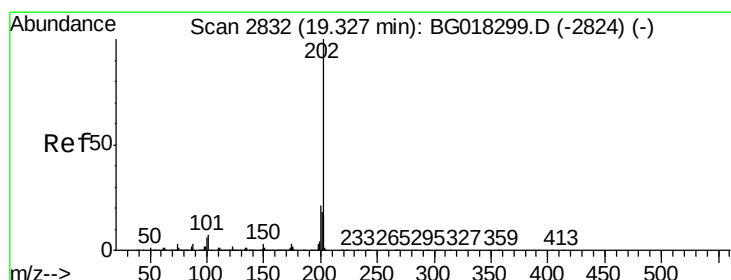
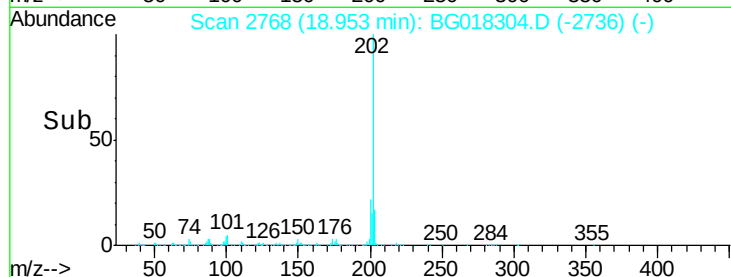
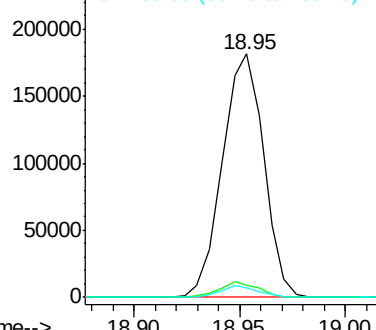
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	5.1	6.2	9.2#		
100	3.9	4.6	6.8#		

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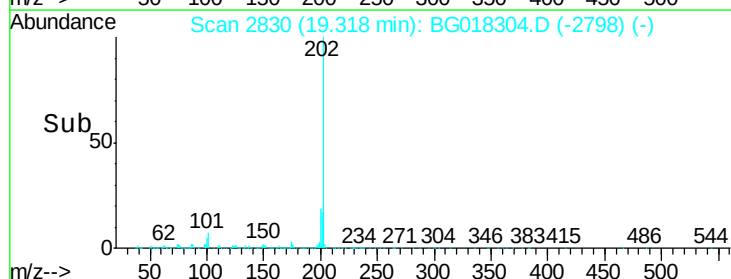
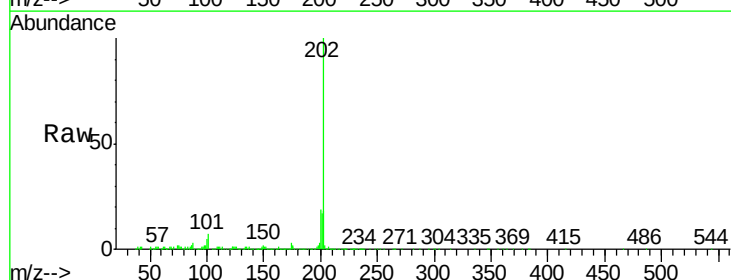
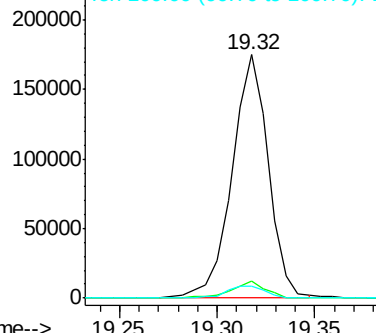
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

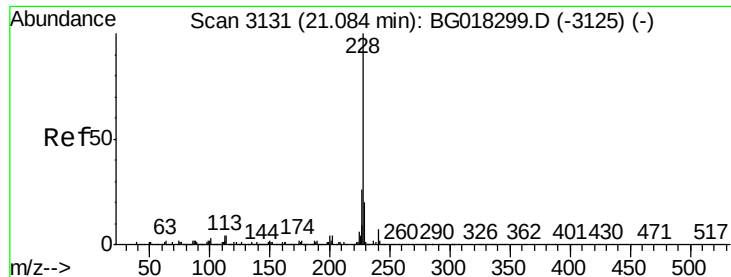


#80
Pyrene
Concen: 35.90 ng/ul
RT: 19.32 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.0	6.2	9.2		
100	4.9	4.6	7.0		

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





#83

Benzo(a)anthracene

Concen: 14.52 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

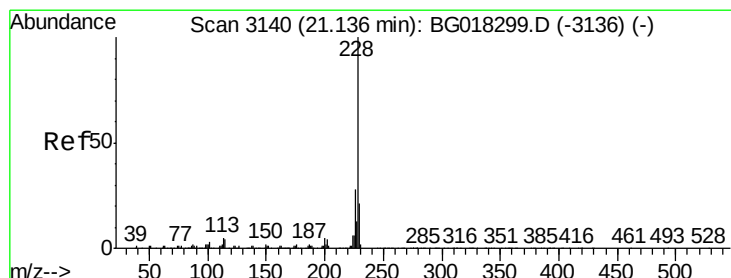
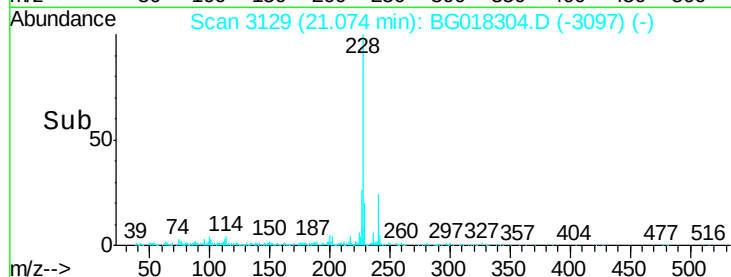
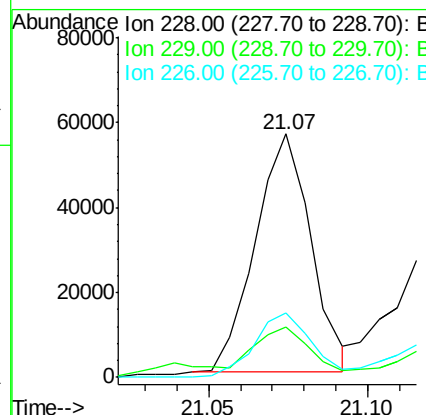
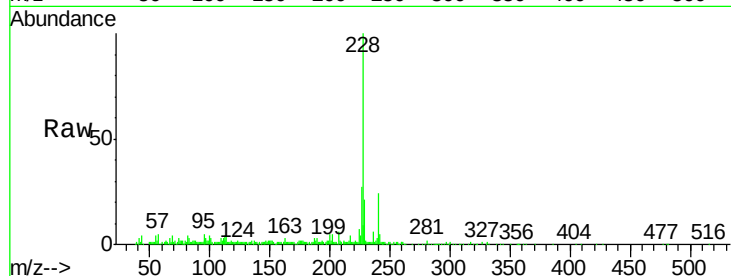
ClientSampleId :

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Tot Ion:	228	Resp:	68608
Ion Ratio	Lower	Upper	
228	100		
229	20.6	16.3	24.5
226	26.5	21.2	31.8

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#85

Chrysene

Concen: 15.89 ng/ul

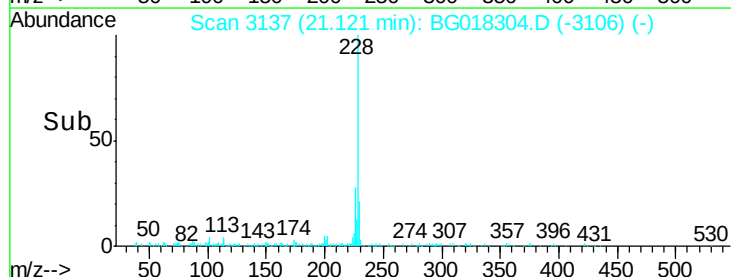
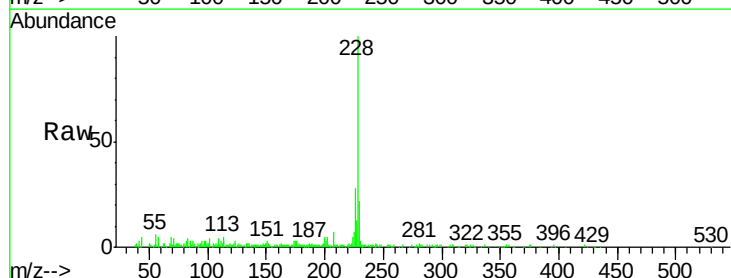
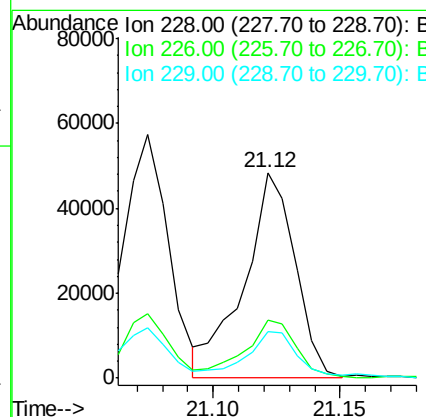
RT: 21.12 min Scan# 3137

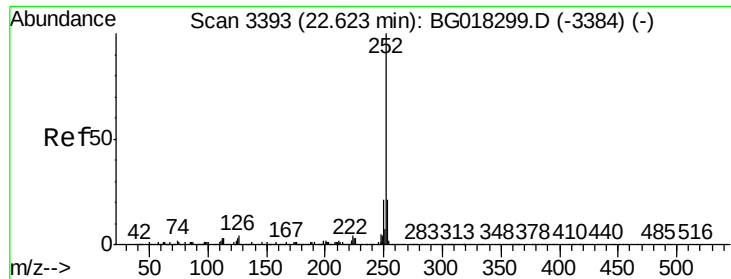
Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Tgt Ion:	228	Resp:	67469
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.0	34.6
229	22.4	15.9	23.9





#88

Benzo(b)fluoranthene

Concen: 19.51 ng/ul

RT: 22.61 min Scan# 3390

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

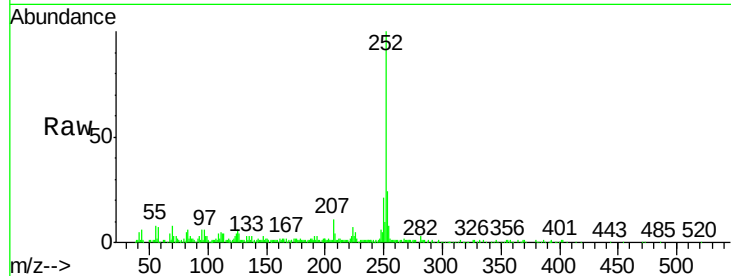
ClientSampleId :

C02L4DL

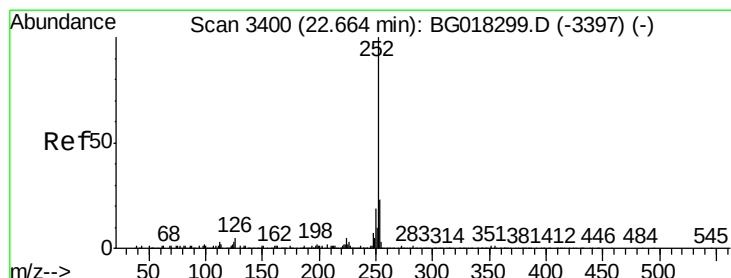
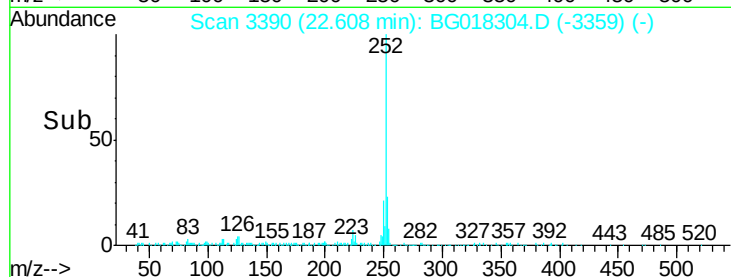
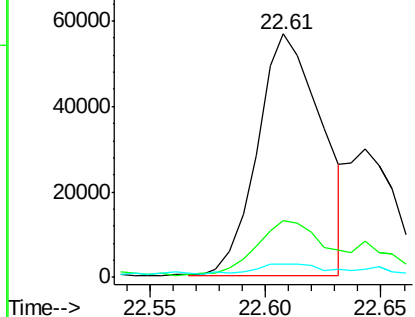
Tot Ion	Ratio	Resp	Lower	Upper
252	100	109739		
253	23.5	18.1	27.1	
125	5.7	3.1	4.7#	

Manual Integrations
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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



#89

Benzo(k)fluoranthene

Concen: 7.60 ng/ul

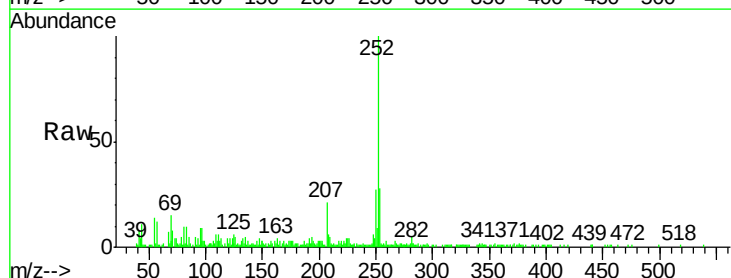
RT: 22.64 min Scan# 3396

Delta R.T. -0.02 min

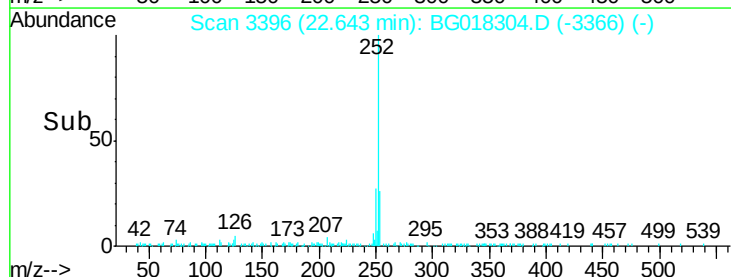
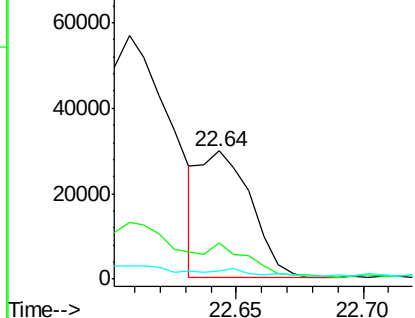
Lab File: BG018304.D

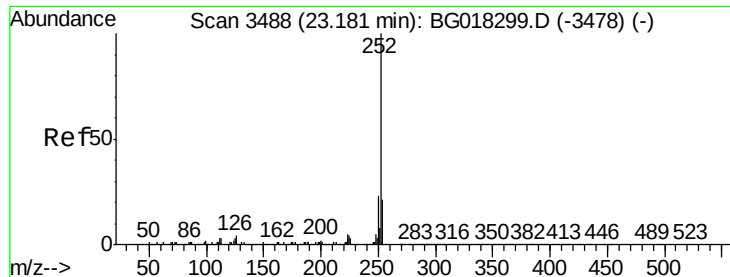
Acq: 6 Aug 2015 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	40995		
253	27.9	16.4	24.6#	
125	6.1	3.4	5.2#	



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





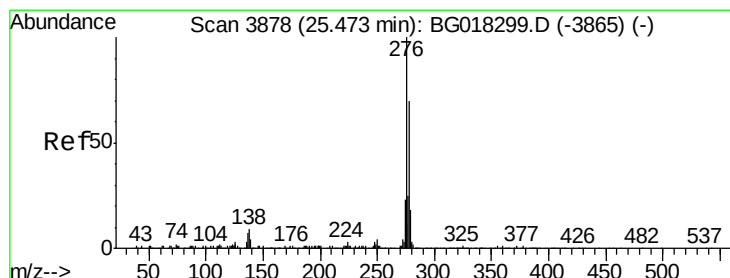
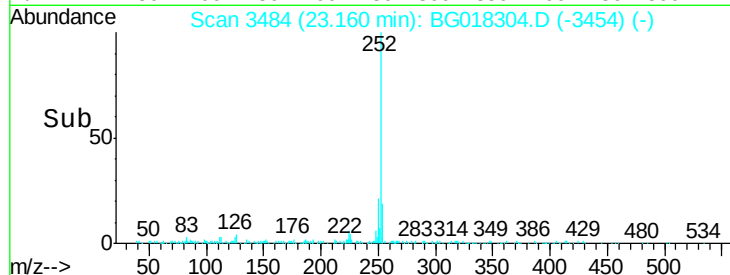
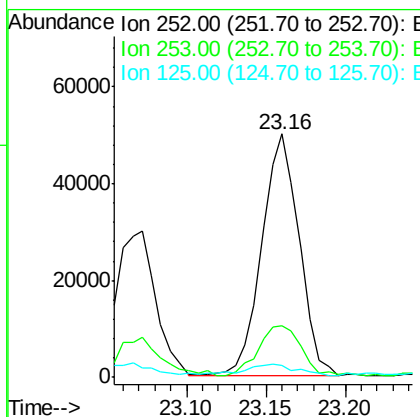
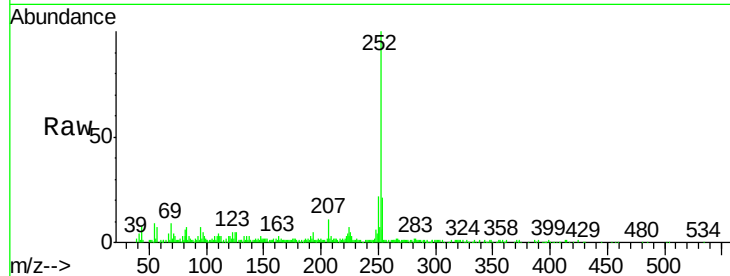
#91
Benzo(a)pyrene
Concen: 16.78 ng/ul
RT: 23.16 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Instrument :
BNA_G
ClientSampleId :
C02L4DL

Tot Ion:	252	Resp:	82400
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.9	28.3
125	4.7	3.2	4.8

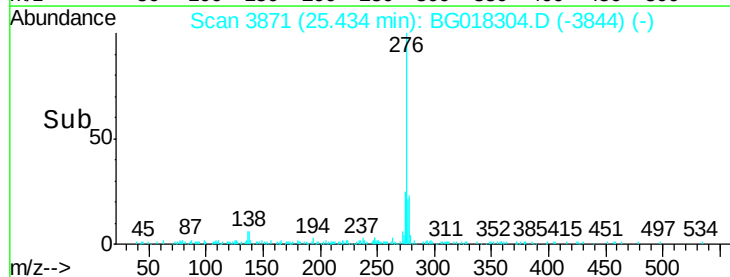
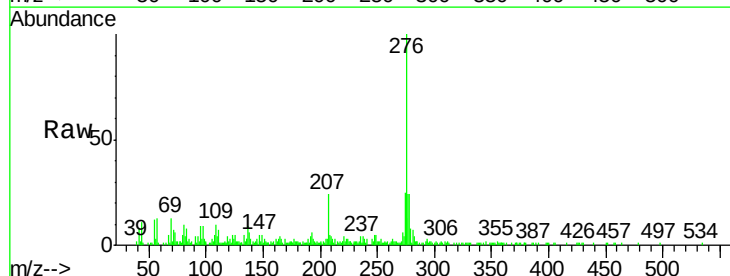
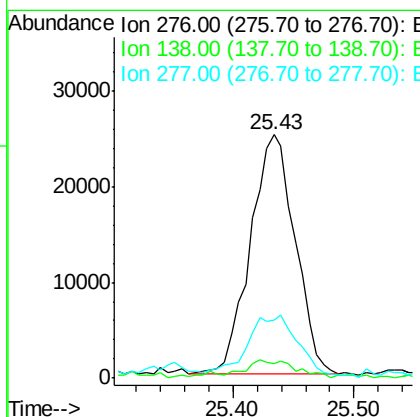
Manual Integrations
APPROVED

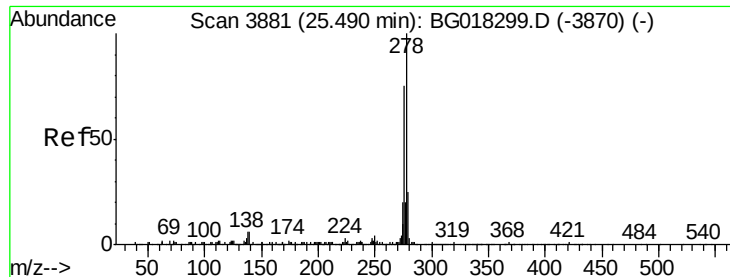
MMDadoda
8/10/2015 10:12:34 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 10.58 ng/ul
RT: 25.43 min Scan# 3871
Delta R.T. -0.04 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion:	276	Resp:	64252
Ion Ratio	Lower	Upper	
276	100		
138	6.0	8.2	12.4#
277	23.6	20.1	30.1





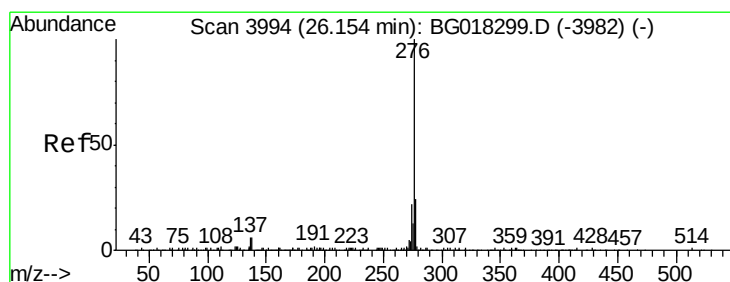
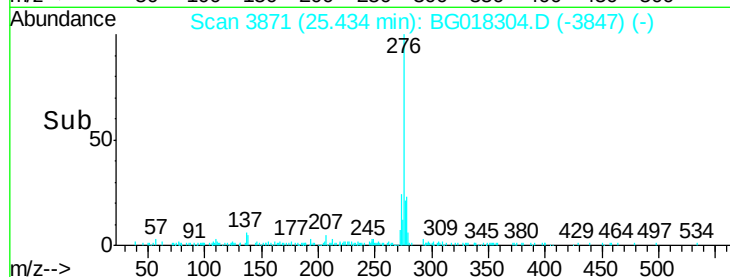
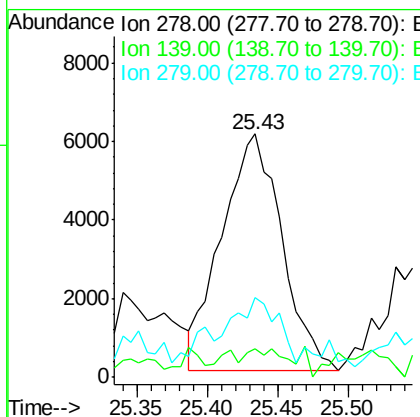
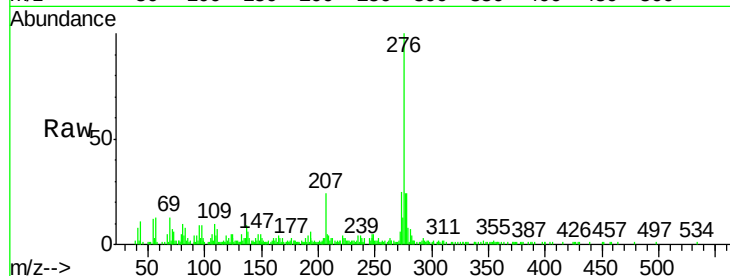
#93
Dibenzo(a,h)anthracene
Concen: 3.35 ng/ul
RT: 25.43 min Scan# 3871
Delta R.T. -0.06 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Instrument :
BNA_G
ClientSampleId :
C02L4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.6	5.8	8.8#
279	32.8	19.8	29.6#

Manual Integrations
APPROVED

MMDadoda
8/10/2015 10:12:34 AM



#94
Benzo(g,h,i)perylene
Concen: 12.48 ng/ul
RT: 26.10 min Scan# 3985
Delta R.T. -0.05 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.1	6.0	9.0
277	23.1	21.1	31.7

