

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
 Data File : BG018087.D
 Acq On : 24 Jul 2015 4:27
 Operator : TP/UM
 Sample : G3035-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K5

Manual Integrations
 APPROVED

apatel
 7/24/2015 4:51:41 PM

Quant Time: Jul 24 07:11:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:33:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	57278	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	271185	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	170251	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	343602	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	347737	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	354373	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	1632	1.78	ng/uL	0.00
5) Phenol-d5	6.69	99	48169	10.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	24612	11.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	44392	11.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	31086	7.93	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	24927	11.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	26694	11.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	43730	11.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	28830	6.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	133562	11.17	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	149008	10.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	21725	8.64	ng/ul	0.00
58) Fluorene-d10	15.18	176	103026	9.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	15806	7.19	ng/ul	0.00
71) Anthracene-d10	17.04	188	131092	8.81	ng/ul	0.00
79) Pyrene-d10	19.34	212	128698	8.08	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	109446	6.47	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.33	105	23776	4.30	ng/ul	93
28) Naphthalene	10.34	128	25680	2.02	ng/ul#	95
34) 2-Methylnaphthalene	11.97	142	10178	1.06	ng/ul	82
45) Dimethylphthalate	13.64	163	55468	4.61	ng/ul	99
50) Acenaphthene	14.24	153	24803	2.46	ng/ul	92
54) Dibenzofuran	14.58	168	28726	2.00	ng/ul	94
59) Fluorene	15.23	166	30258	2.45	ng/ul	98
70) Phenanthrene	16.98	178	499217	28.92	ng/ul	98
72) Anthracene	17.06	178	98610	5.63	ng/ul	97
75) Carbazole	17.34	167	53548	3.53	ng/ul	99
76) Di-n-butylphthalate	17.92	149	67259	3.36	ng/ul	98
77) Fluoranthene	19.01	202	617304	33.57	ng/ul	99
80) Pyrene	19.37	202	509360	25.58	ng/ul	99
83) Benzo(a)anthracene	21.12	228	263759	14.34	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.07	149	33197	2.84	ng/ul	99
85) Chrysene	21.18	228	241289	13.93	ng/ul	97
88) Benzo(b)fluoranthene	22.68	252	329156	16.95	ng/ul#	93
89) Benzo(k)fluoranthene	22.71	252	87752m	4.67	ng/ul	
91) Benzo(a)pyrene	23.23	252	210871	11.21	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.54	276	139011	6.41	ng/ul#	90
93) Dibenzo(a,h)anthracene	25.54	278	37964	2.05	ng/ul	95
94) Benzo(g,h,i)perylene	26.21	276	63564	3.55	ng/ul	100

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018087.D
Acq On : 24 Jul 2015 4:27
Operator : TP/UM
Sample : G3035-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K5

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM

Quant Time: Jul 24 07:11:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 24 01:33:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

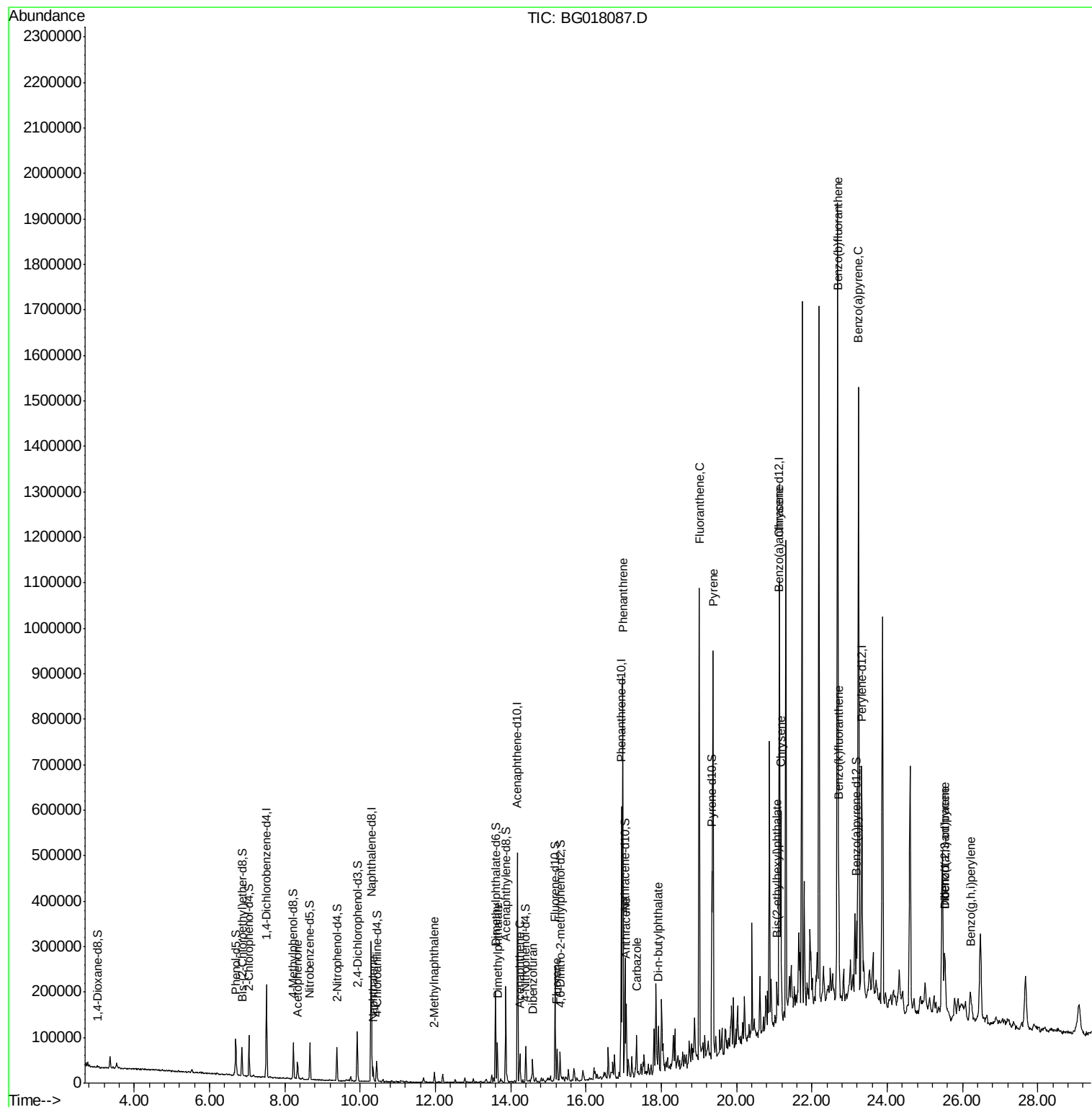
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018087.D
Acq On : 24 Jul 2015 4:27
Operator : TP/UM
Sample : G3035-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

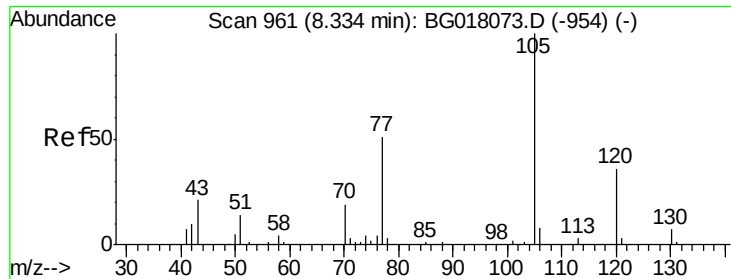
Instrument :
BNA_G
ClientSampleId :
C02K5

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM

Quant Time: Jul 24 07:11:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 24 01:33:04 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 4.30 ng/ul

RT: 8.33 min Scan# 961

Delta R.T. -0.00 min

Lab File: BG018087.D

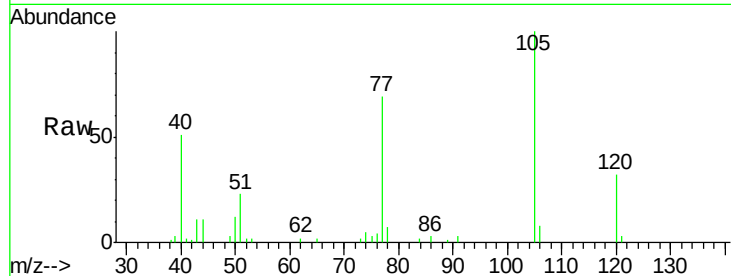
Acq: 24 Jul 2015 4:27

Instrument :

BNA_G

ClientSampleId :

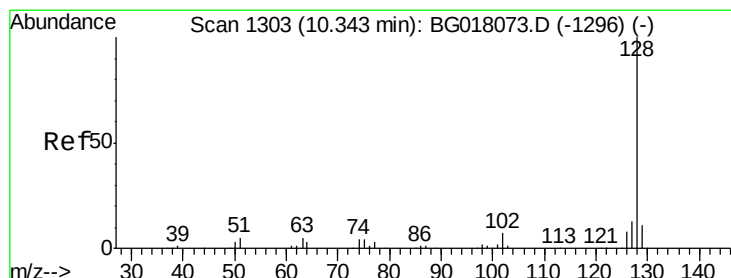
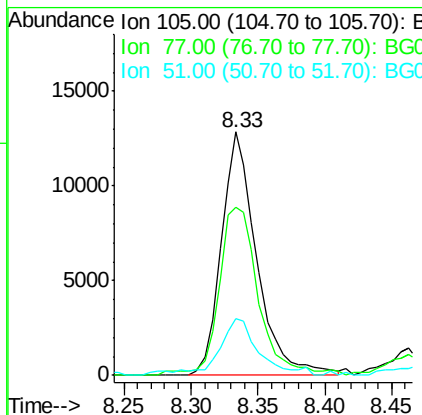
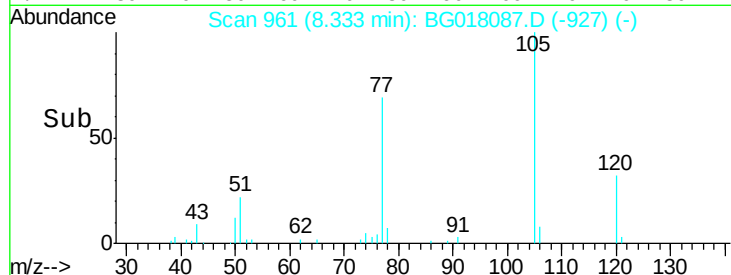
C02K5



Tgt Ion:	105	Resp:	23776
Ion Ratio	Lower	Upper	
105	100		
77	69.2	61.7	92.5
51	23.2	18.1	27.1

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



#28

Naphthalene

Concen: 2.02 ng/ul

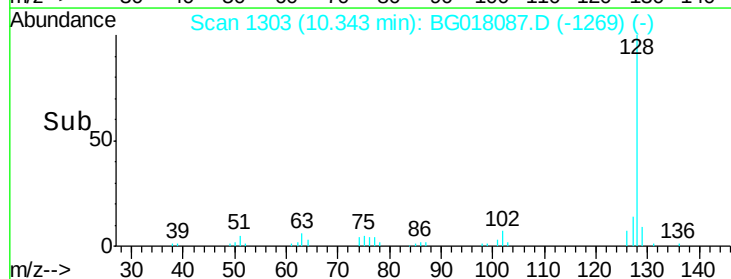
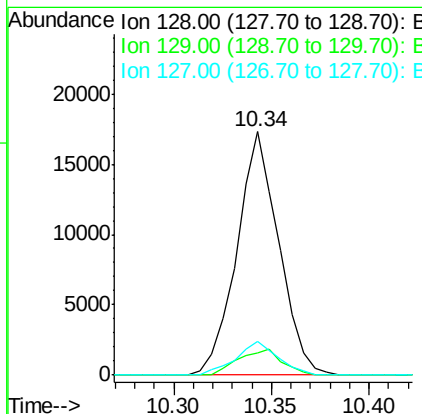
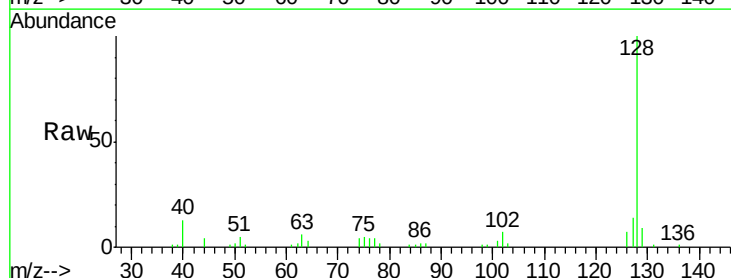
RT: 10.34 min Scan# 1303

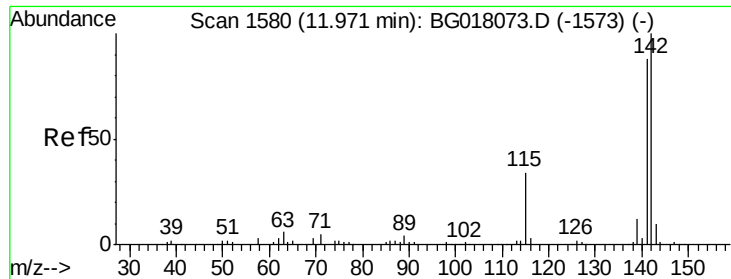
Delta R.T. -0.00 min

Lab File: BG018087.D

Acq: 24 Jul 2015 4:27

Tgt Ion:	128	Resp:	25680
Ion Ratio	Lower	Upper	
128	100		
129	8.9	9.5	14.3#
127	13.9	10.1	15.1





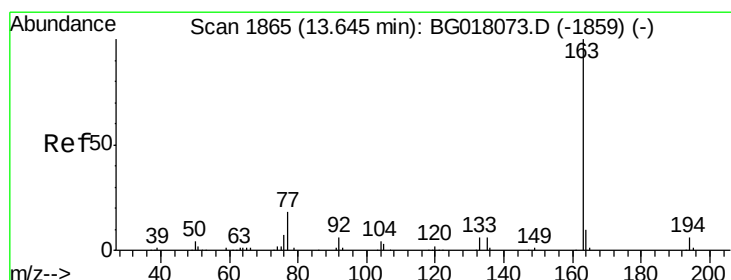
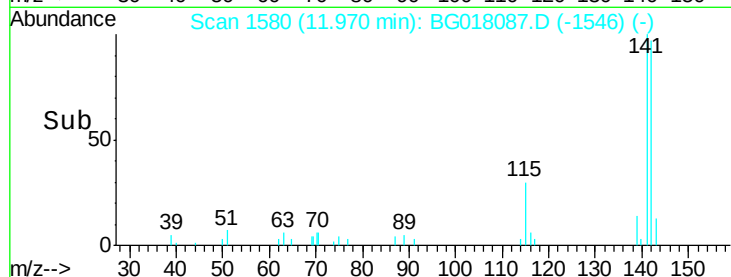
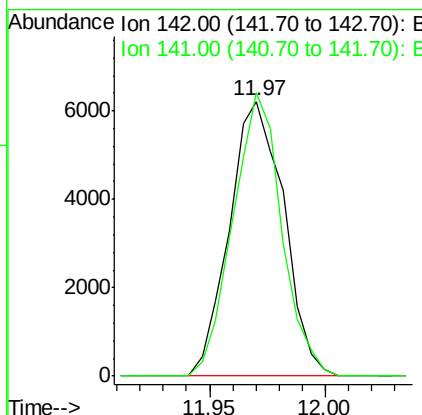
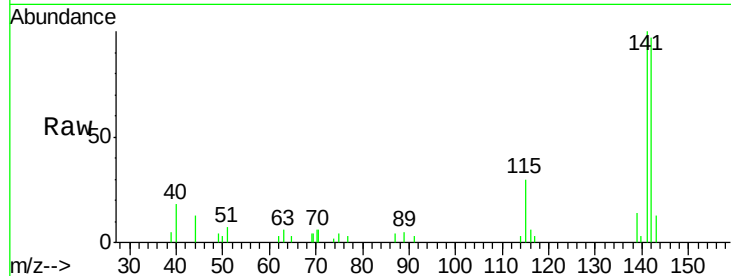
#34
2-Methylnaphthalene
Concen: 1.06 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Instrument :
BNA_G
ClientSampleId :
C02K5

Tgt Ion:142 Resp: 10178
Ion Ratio Lower Upper
142 100
141 103.1 69.4 104.0

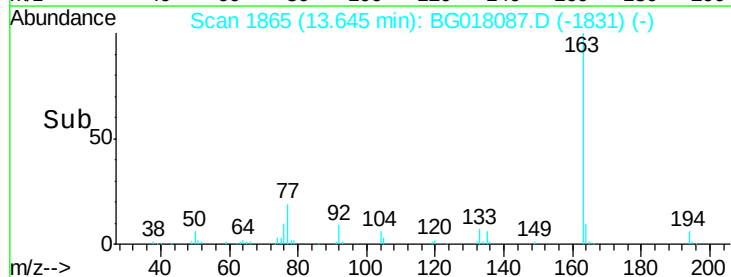
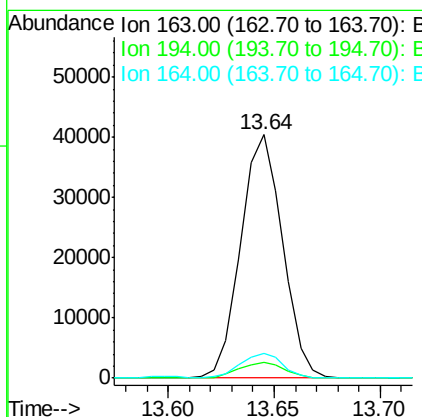
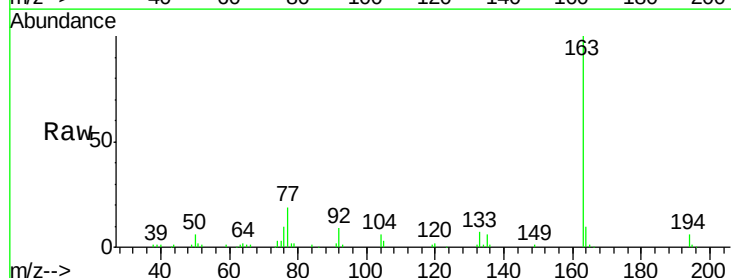
Manual Integrations
APPROVED

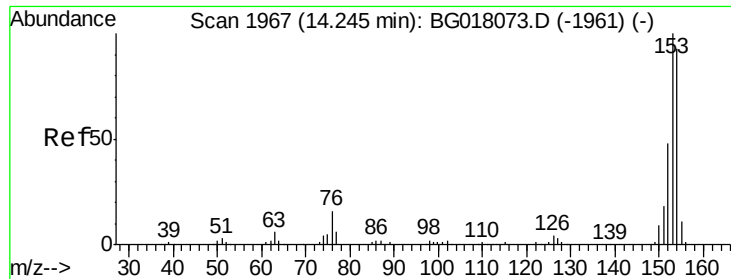
apatel
7/24/2015 4:51:41 PM



#45
Dimethylphthalate
Concen: 4.61 ng/ul
RT: 13.64 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Tgt Ion:163 Resp: 55468
Ion Ratio Lower Upper
163 100
194 6.2 5.4 8.2
164 10.4 8.7 13.1





#50

Acenaphthene

Concen: 2.46 ng/ul

RT: 14.24 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG018087.D

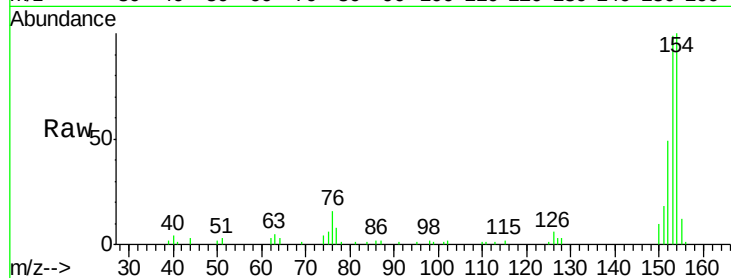
Acq: 24 Jul 2015 4:27

Instrument :

BNA_G

ClientSampleId :

C02K5



Tgt Ion:153 Resp: 24803

Ion Ratio Lower Upper

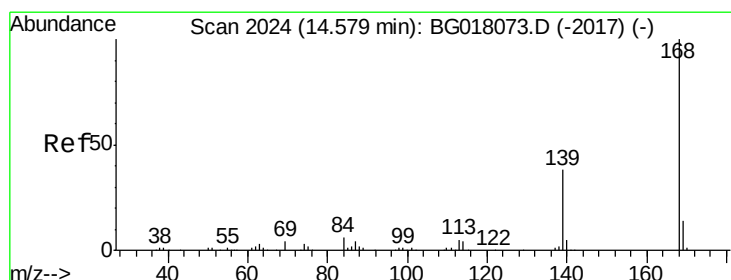
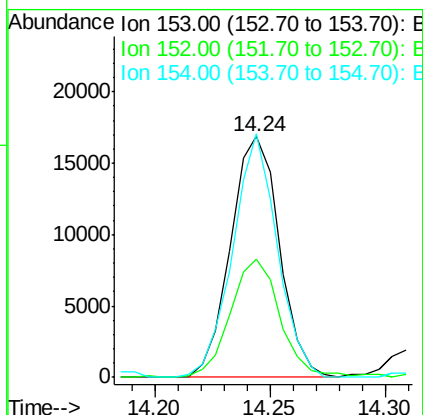
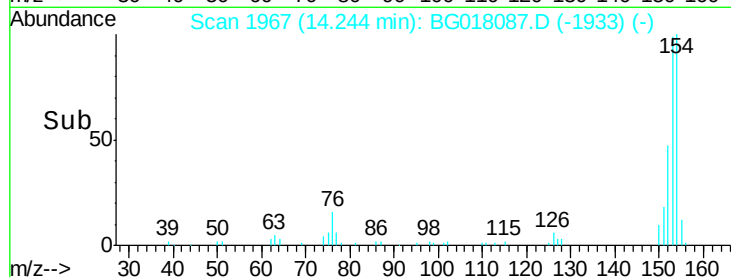
153 100

152 49.2 38.9 58.3

154 101.2 72.6 108.8

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



#54

Dibenzofuran

Concen: 2.00 ng/ul

RT: 14.58 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BG018087.D

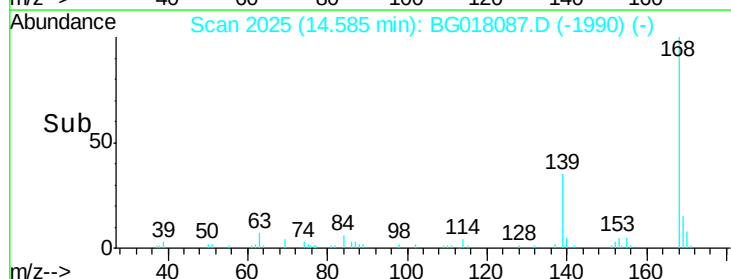
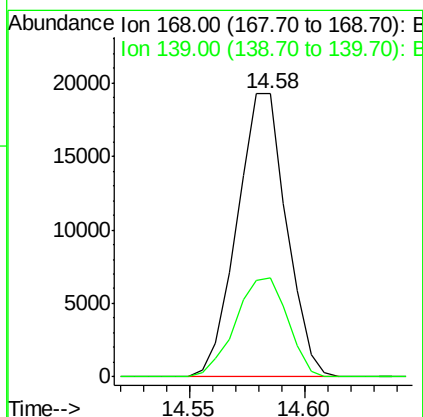
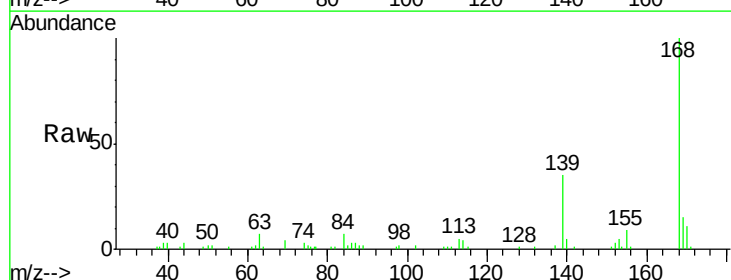
Acq: 24 Jul 2015 4:27

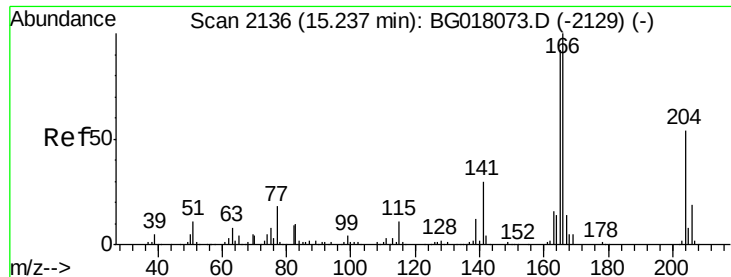
Tgt Ion:168 Resp: 28726

Ion Ratio Lower Upper

168 100

139 34.9 30.6 46.0





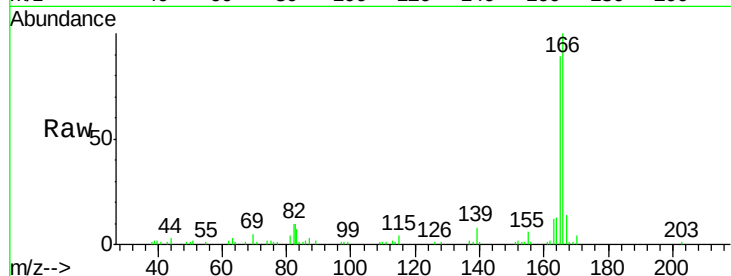
#59
 Fluorene
 Concen: 2.45 ng/ul
 RT: 15.23 min Scan# 2135
 Delta R.T. -0.01 min
 Lab File: BG018087.D
 Acq: 24 Jul 2015 4:27

Instrument :
 BNA_G
 ClientSampleId :
 C02K5

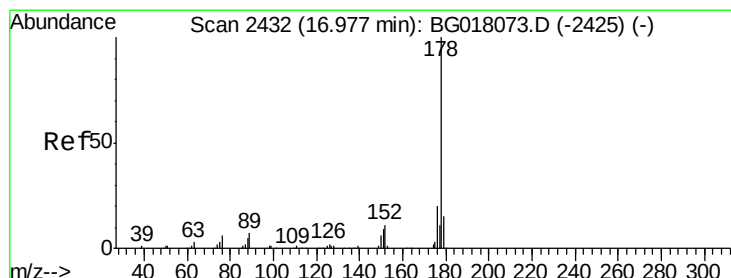
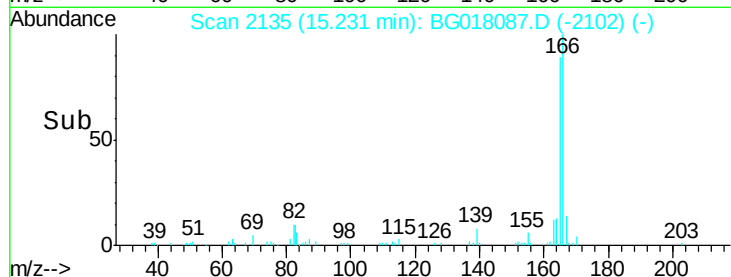
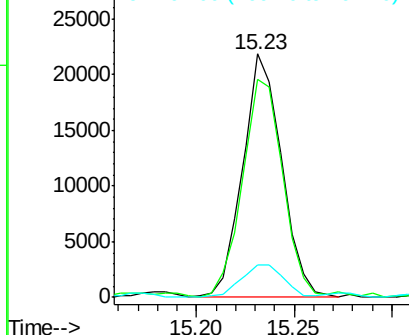
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	30258		
165	89.4	73.6	110.4	
167	13.5	10.8	16.2	

Manual Integrations
 APPROVED

apatel
 7/24/2015 4:51:41 PM

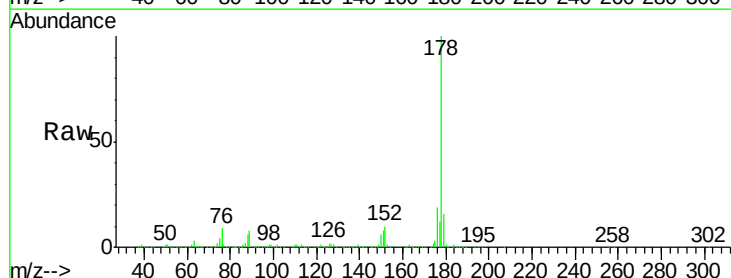


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

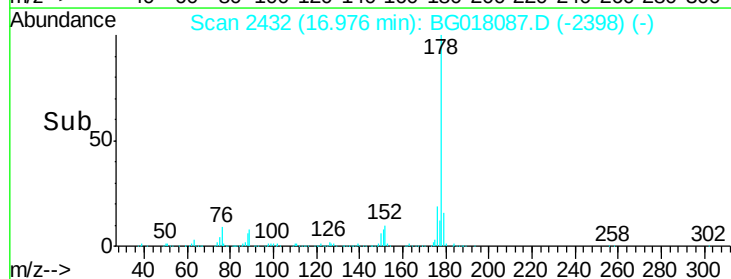
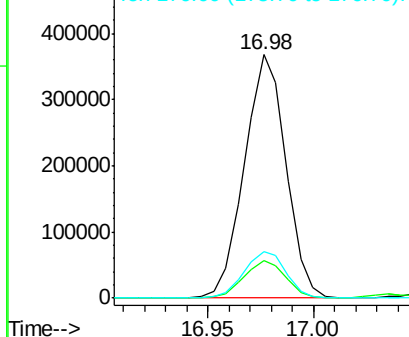


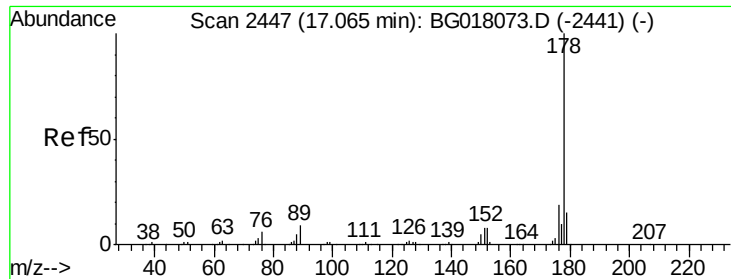
#70
 Phenanthrene
 Concen: 28.92 ng/ul
 RT: 16.98 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BG018087.D
 Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	499217		
179	15.5	13.0	19.6	
176	19.2	15.8	23.8	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 5.63 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG018087.D

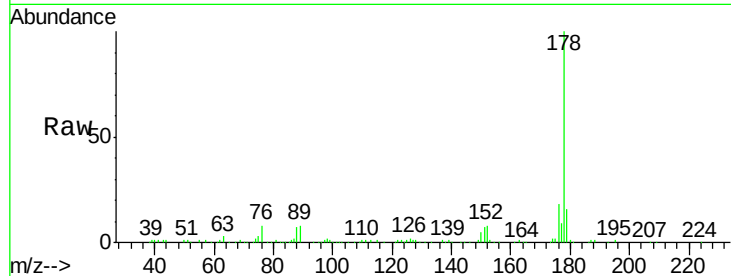
Acq: 24 Jul 2015 4:27

Instrument :

BNA_G

ClientSampled :

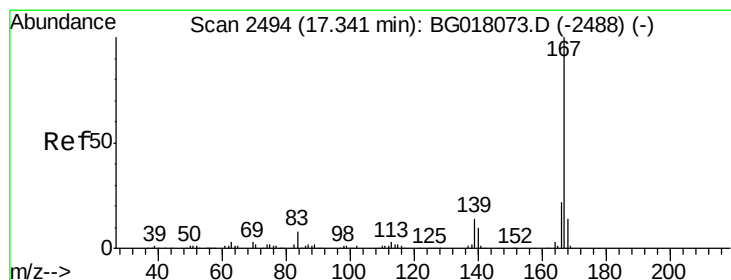
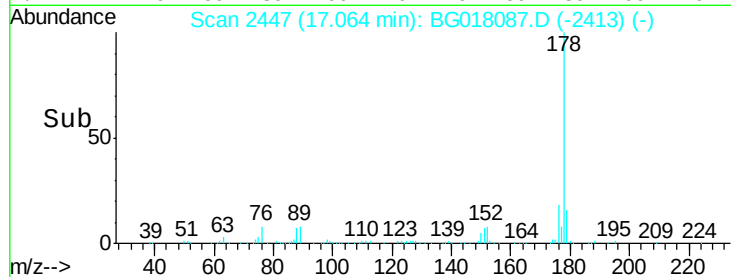
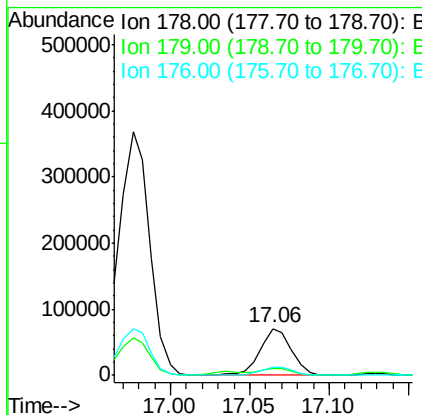
C02K5



Tgt Ion:	178	Resp:	98610
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.4	18.6
176	17.7	15.8	23.8

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



#75

Carbazole

Concen: 3.53 ng/ul

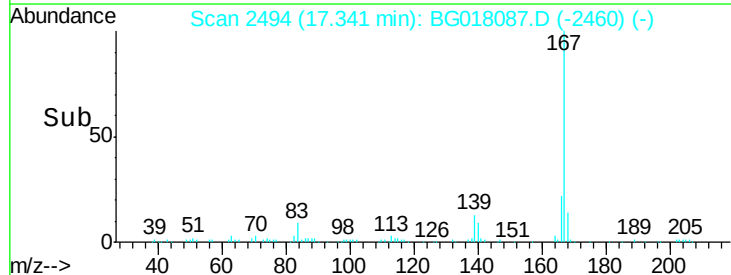
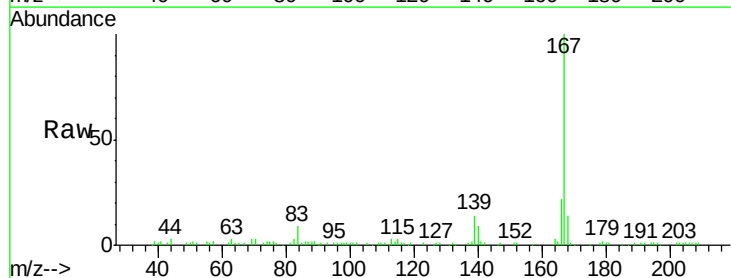
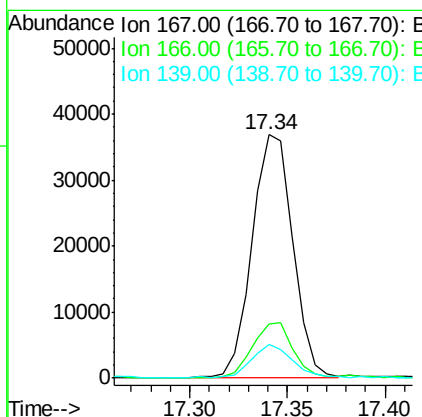
RT: 17.34 min Scan# 2494

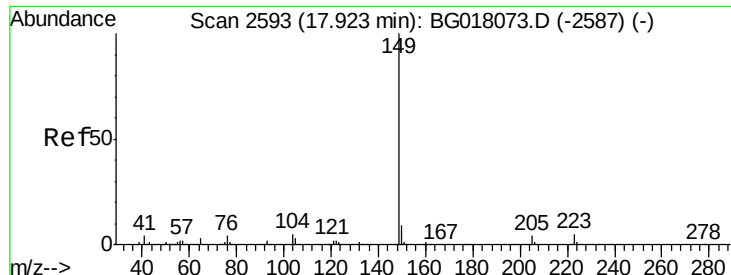
Delta R.T. -0.00 min

Lab File: BG018087.D

Acq: 24 Jul 2015 4:27

Tgt Ion:	167	Resp:	53548
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.4	26.2
139	13.6	10.6	15.8





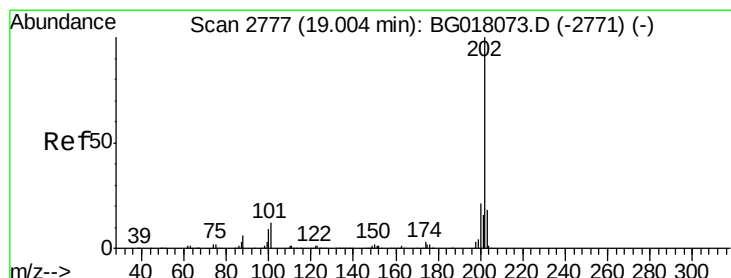
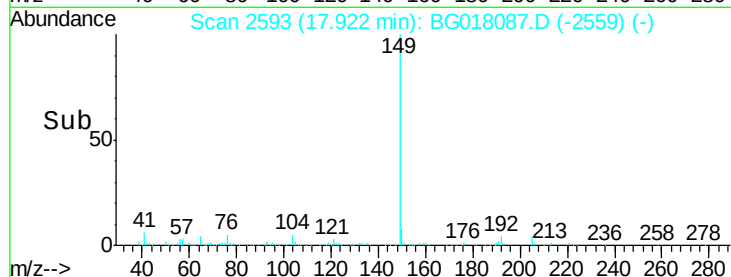
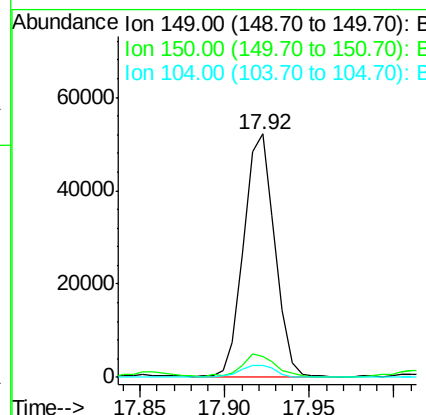
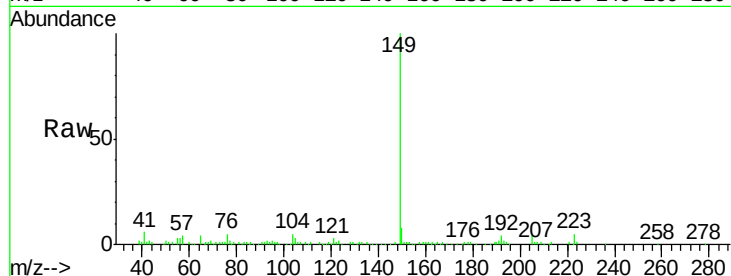
#76
Di-n-butylphthalate
Concen: 3.36 ng/ul
RT: 17.92 min Scan# 2593
Delta R.T. -0.00 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Instrument :
BNA_G
ClientSampleId :
C02K5

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	8.5	7.4	11.0
104	5.2	3.8	5.8

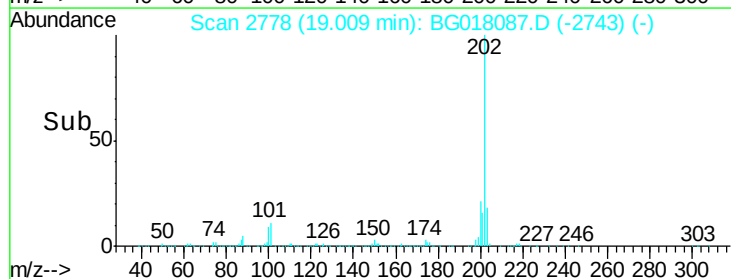
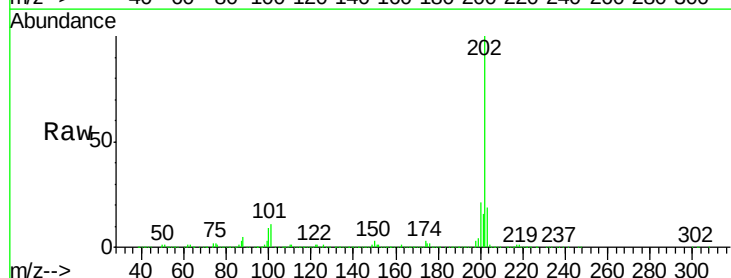
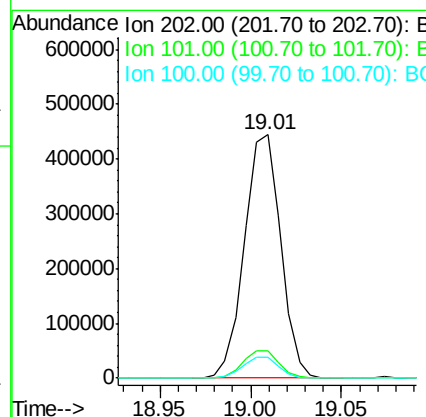
Manual Integrations
APPROVED

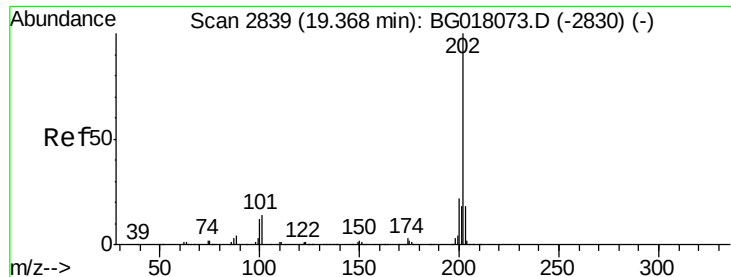
apatel
7/24/2015 4:51:41 PM



#77
Fluoranthene
Concen: 33.57 ng/ul
RT: 19.01 min Scan# 2778
Delta R.T. 0.01 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.2	9.1	13.7
100	8.5	7.5	11.3





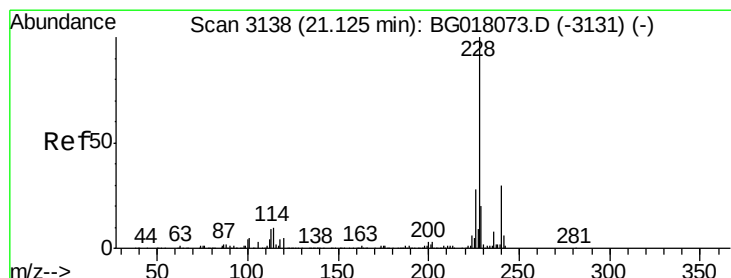
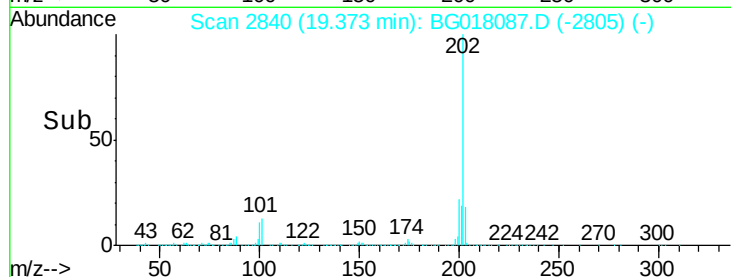
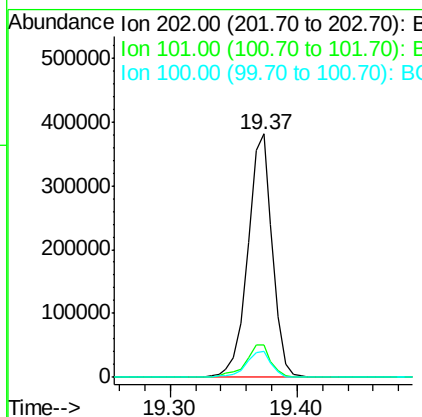
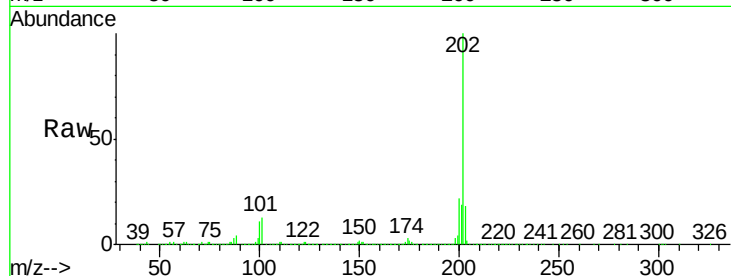
#80
Pyrene
Concen: 25.58 ng/ul
RT: 19.37 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Instrument :
BNA_G
ClientSampleId :
C02K5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	10.9	16.3
100	10.6	8.5	12.7

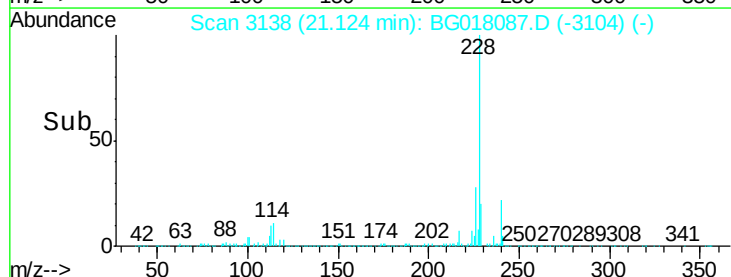
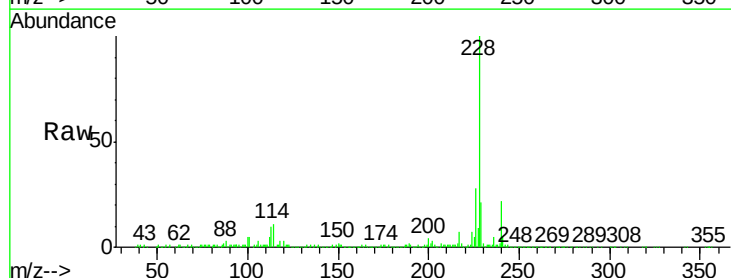
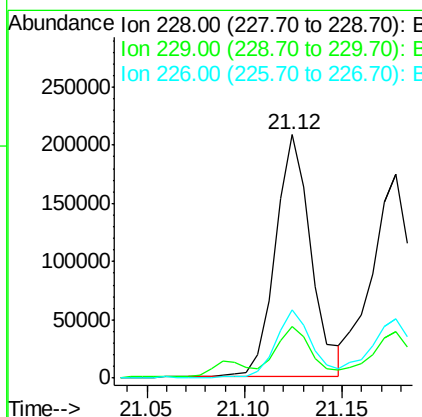
Manual Integrations
APPROVED

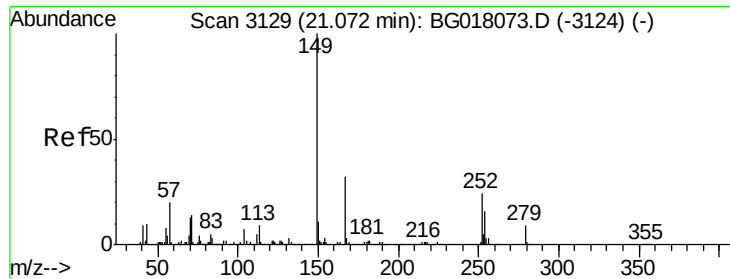
apatel
7/24/2015 4:51:41 PM



#83
Benzo(a)anthracene
Concen: 14.34 ng/ul
RT: 21.12 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.0	16.6	24.8
226	28.2	21.1	31.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.84 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG018087.D

Acq: 24 Jul 2015 4:27

Instrument :

BNA_G

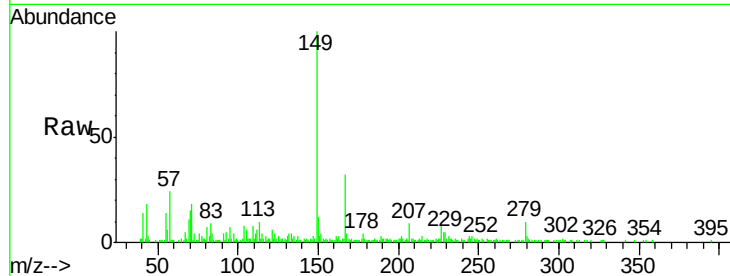
ClientSampleId :

C02K5

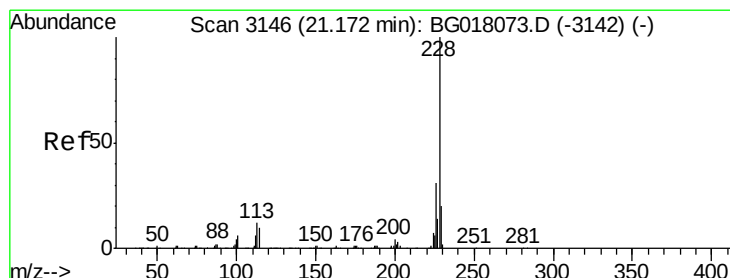
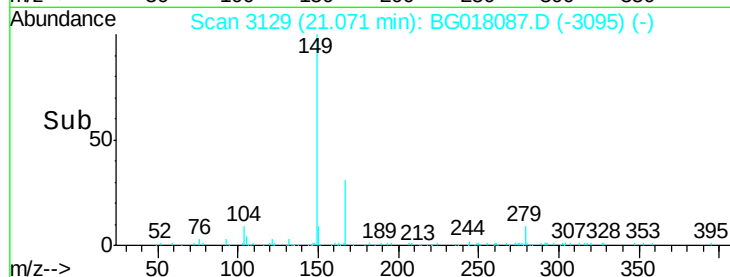
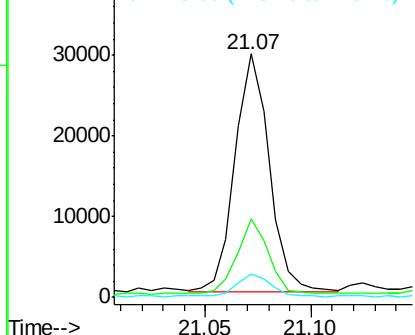
Tgt Ion:	149	Resp:	33197
Ion Ratio	Lower	Upper	
149	100		
167	32.2	26.2	39.4
279	9.6	7.2	10.8

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 13.93 ng/ul

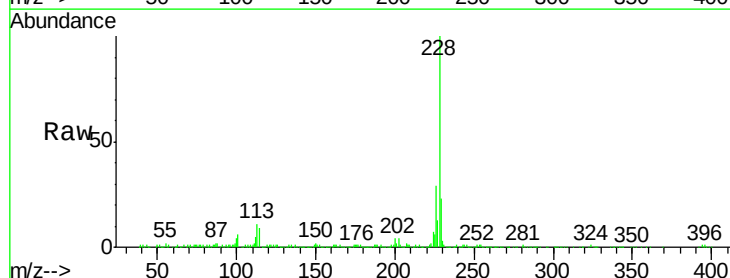
RT: 21.18 min Scan# 3147

Delta R.T. 0.01 min

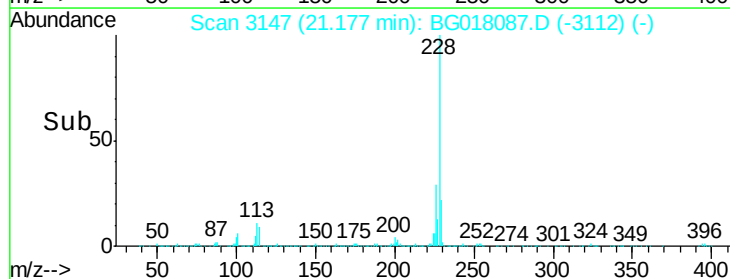
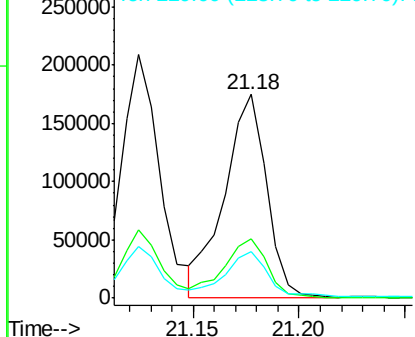
Lab File: BG018087.D

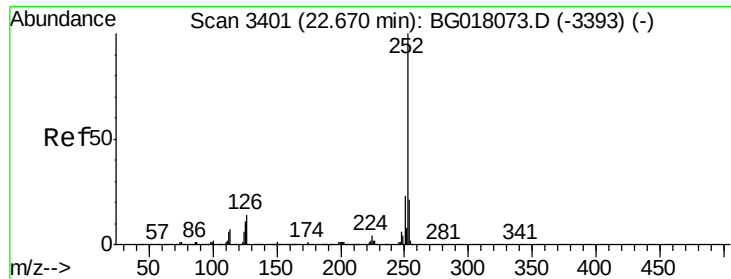
Acq: 24 Jul 2015 4:27

Tgt Ion:	228	Resp:	241289
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.9	34.3
229	22.5	15.6	23.4



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





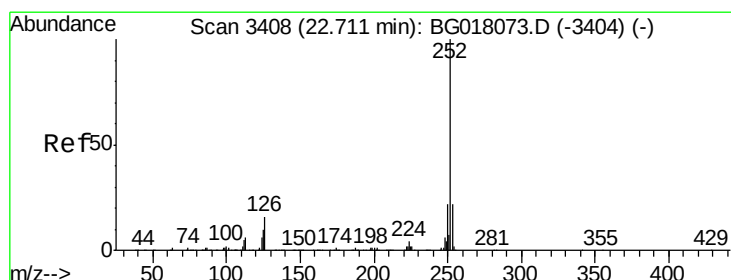
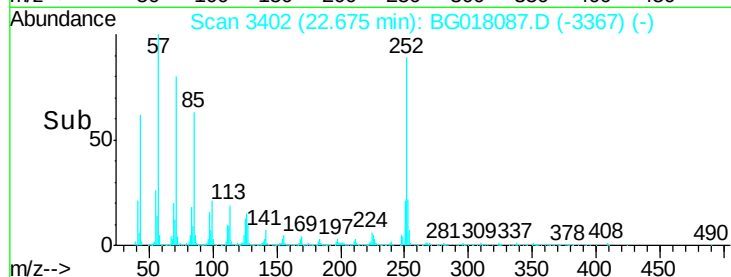
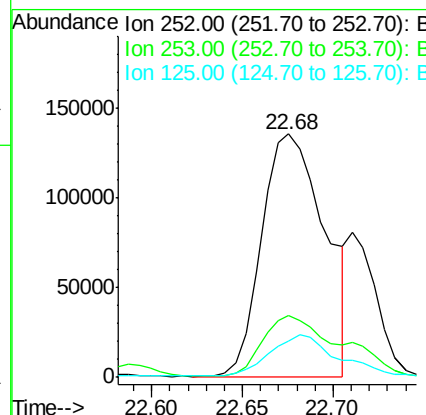
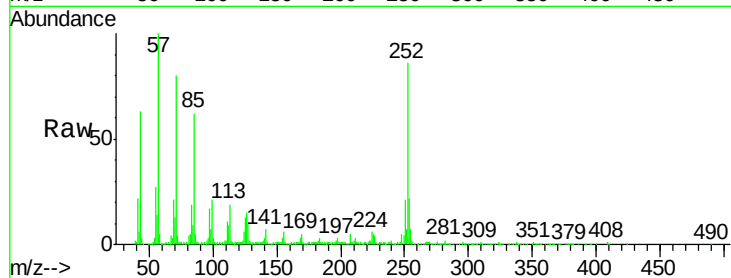
#88
Benzo(b)fluoranthene
Concen: 16.95 ng/ul
RT: 22.68 min Scan# 3402
Delta R.T. 0.01 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Instrument :
BNA_G
ClientSampled :
C02K5

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	18.5	27.7
125	15.0	9.1	13.7

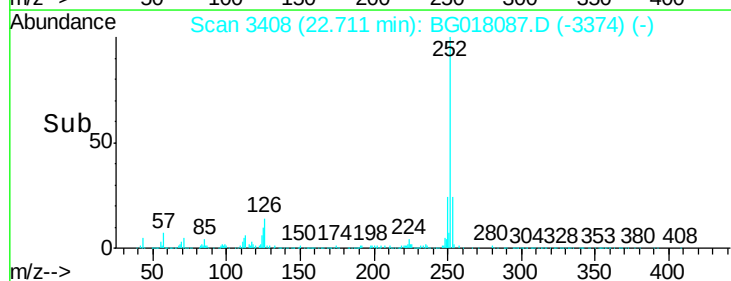
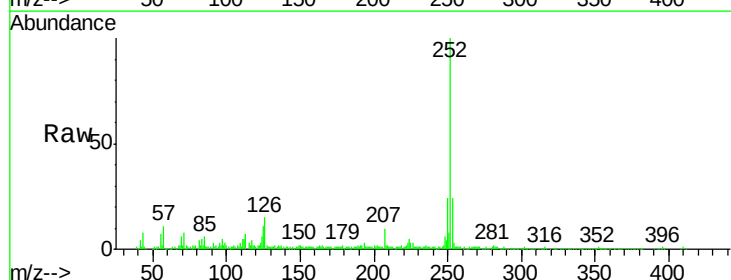
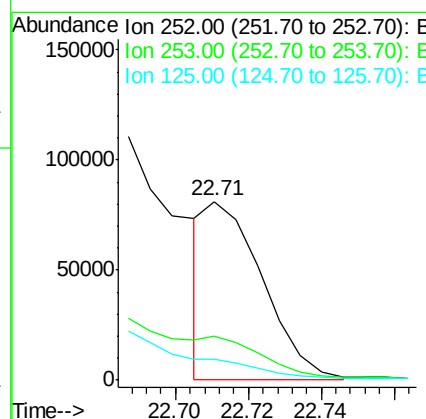
Manual Integrations
APPROVED

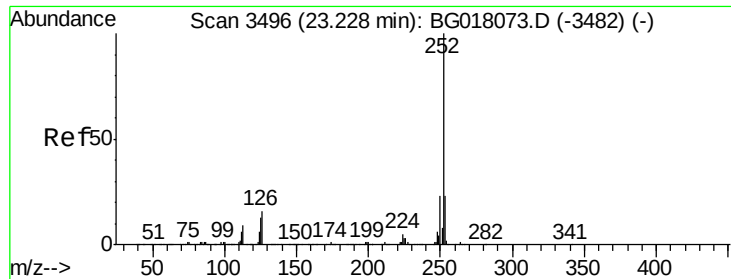
apatel
7/24/2015 4:51:41 PM



#89
Benzo(k)fluoranthene
Concen: 4.67 ng/ul m
RT: 22.71 min Scan# 3408
Delta R.T. -0.00 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	17.8	26.8
125	11.5	9.3	13.9





#91

Benzo(a)pyrene

Concen: 11.21 ng/ul

RT: 23.23 min Scan# 3497

Delta R.T. 0.01 min

Lab File: BG018087.D

Acq: 24 Jul 2015 4:27

Instrument :

BNA_G

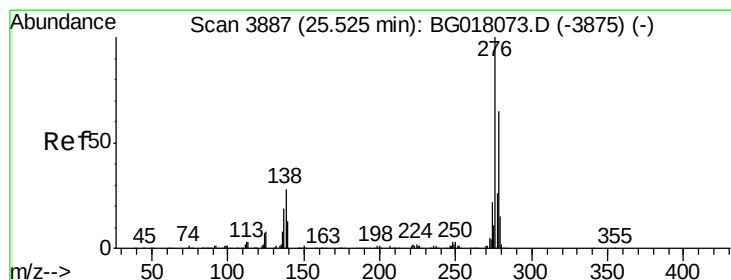
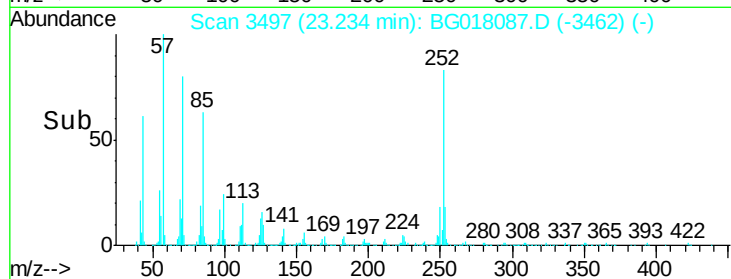
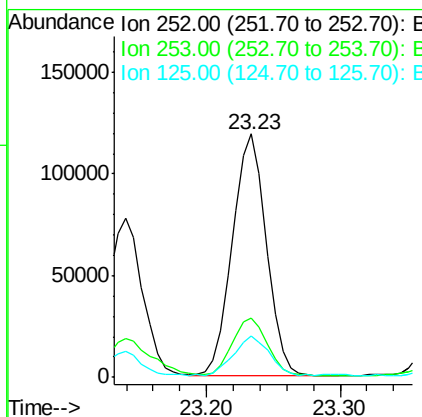
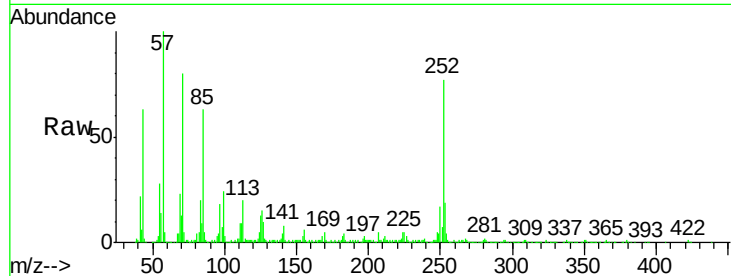
ClientSampleId :

C02K5

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	210871		
253	24.5	18.0	27.0	
125	16.9	10.2	15.2	

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.41 ng/ul

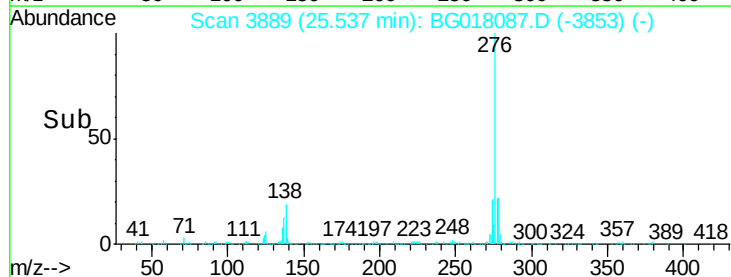
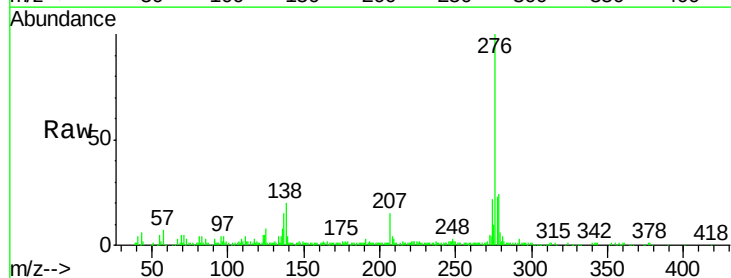
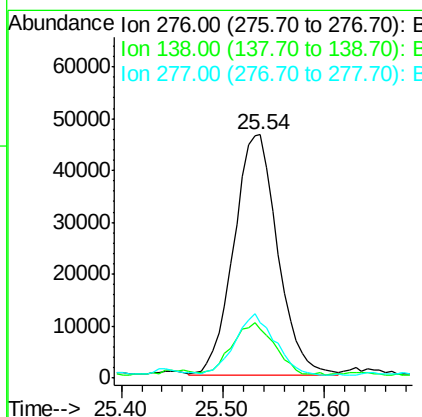
RT: 25.54 min Scan# 3889

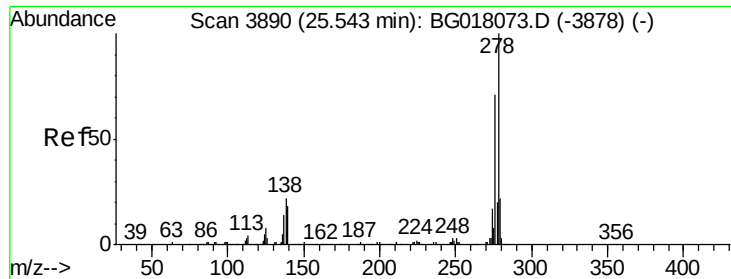
Delta R.T. 0.01 min

Lab File: BG018087.D

Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	139011		
138	20.3	22.6	33.8	
277	22.9	19.8	29.8	





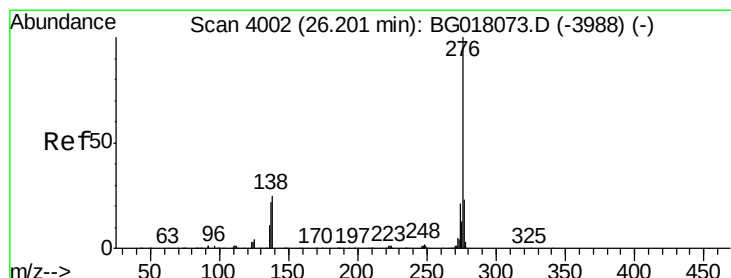
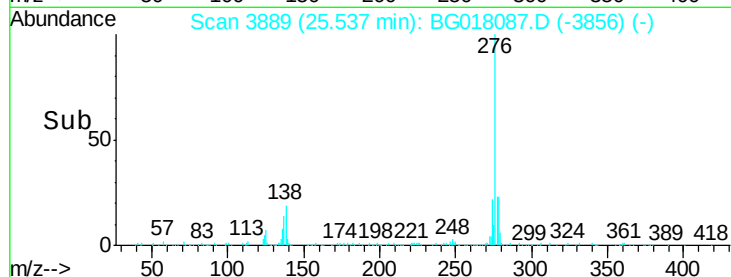
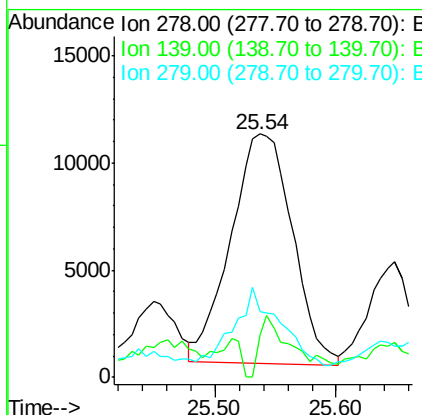
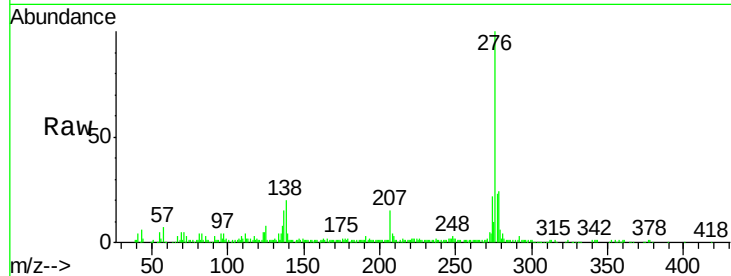
#93
Dibenzo(a,h)anthracene
Concen: 2.05 ng/ul
RT: 25.54 min Scan# 3889
Delta R.T. -0.01 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Instrument :
BNA_G
ClientSampleId :
C02K5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.7	20.5
279	26.8	18.1	27.1

Manual Integrations
APPROVED

apatel
7/24/2015 4:51:41 PM



#94
Benzo(g,h,i)perylene
Concen: 3.55 ng/ul
RT: 26.21 min Scan# 4003
Delta R.T. 0.01 min
Lab File: BG018087.D
Acq: 24 Jul 2015 4:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.8	28.2
277	24.0	19.3	28.9

