

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001846.D
 Acq On : 06 Jul 2015 22:14
 Operator : TP/UM
 Sample : G2861-13 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L7

Manual Integrations
 APPROVED

apatel
 7/8/2015 4:23:16 PM

Quant Time: Jul 07 07:13:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 04:02:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	59558	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	234650	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	145730	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	343084	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	430362	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	444744	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	6679	1.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3942	1.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	5592	1.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	1974	0.54	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	2307	1.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	2533	1.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	5145	1.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	2279	0.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	18612	1.72	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	22780	1.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	1653	0.83	ng/ul	0.00
57) Fluorene-d10	15.31	176	18620	1.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	1706	0.81	ng/ul	0.00
70) Anthracene-d10	17.16	188	28935	1.81	ng/ul	0.00
78) Pyrene-d10	19.46	212	31215	1.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	32602	1.66	ng/ul	0.00

Target Compounds

					Qvalue
47) Acenaphthylene	14.03	152	17249	1.19 ng/ul#	93
49) Acenaphthene	14.37	153	10452	1.08 ng/ul	91
76) Fluoranthene	19.12	202	120236	5.40 ng/ul	99
79) Pyrene	19.49	202	159951	6.70 ng/ul	98
82) Benzo(a)anthracene	21.23	228	75824	3.02 ng/ul	94
84) Chrysene	21.29	228	66715	2.80 ng/ul	97
87) Benzo(b)fluoranthene	22.80	252	93775	3.62 ng/ul	99
88) Benzo(k)fluoranthene	22.84	252	30184m	1.21 ng/ul	
90) Benzo(a)pyrene	23.37	252	86870	3.45 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.70	276	59521	1.99 ng/ul	96
93) Benzo(g,h,i)perylene	26.39	276	55707	2.22 ng/ul	98

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

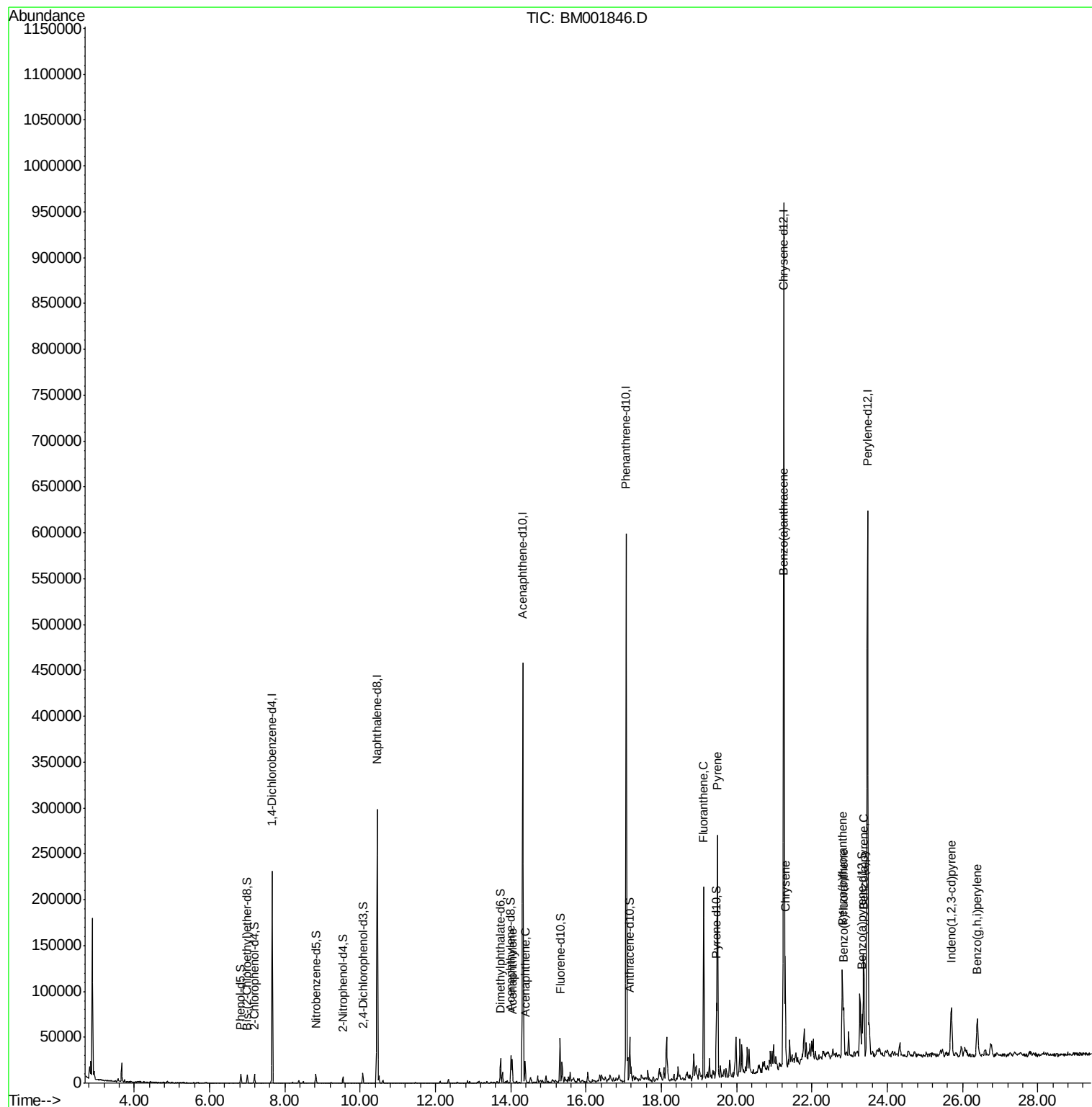
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001846.D
Acq On : 06 Jul 2015 22:14
Operator : TP/UM
Sample : G2861-13 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

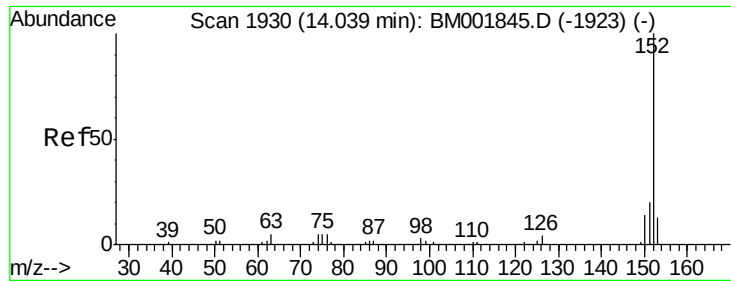
Instrument :
BNA_M
ClientSampleId :
G93L7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:16 PM

Quant Time: Jul 07 07:13:34 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration





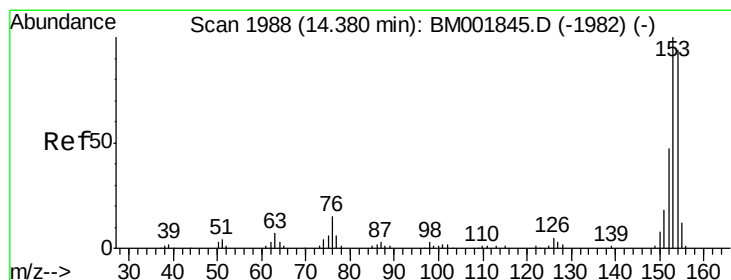
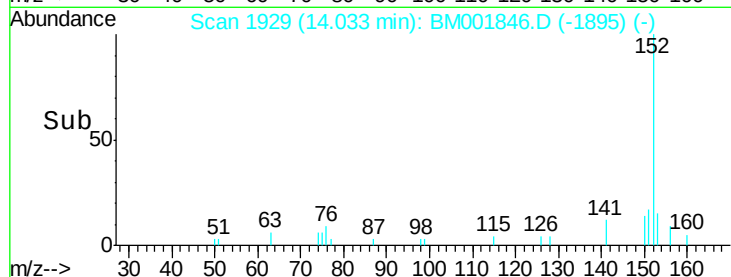
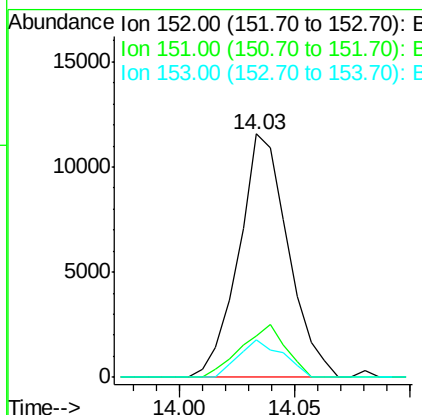
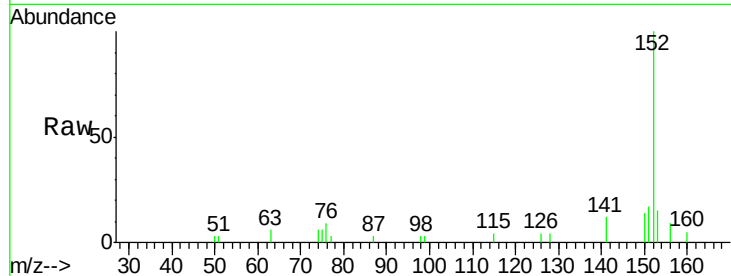
#47
Acenaphthylene
Concen: 1.19 ng/ul
RT: 14.03 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BM001846.D
Acq: 06 Jul 2015 22:14

Instrument :
BNA_M
ClientSampleId :
G93L7

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.8	15.9	23.9
153	15.4	10.0	15.0

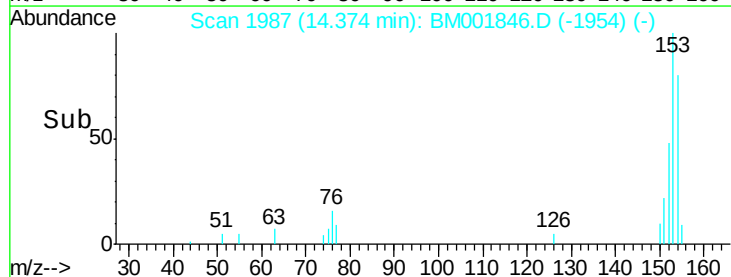
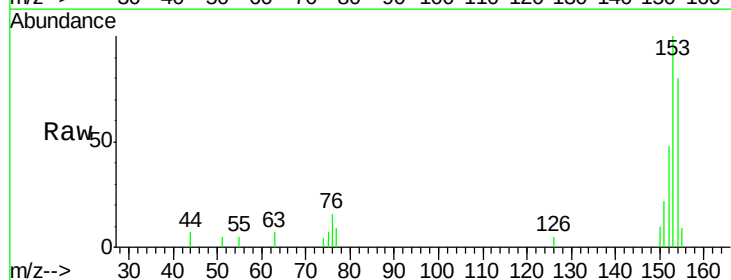
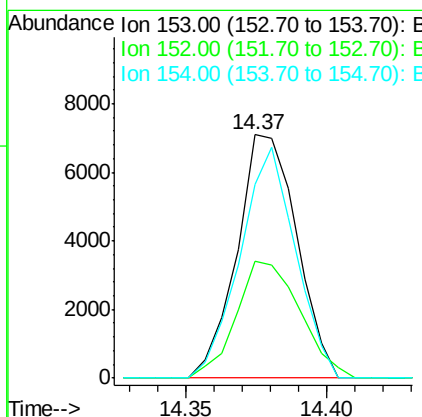
Manual Integrations
APPROVED

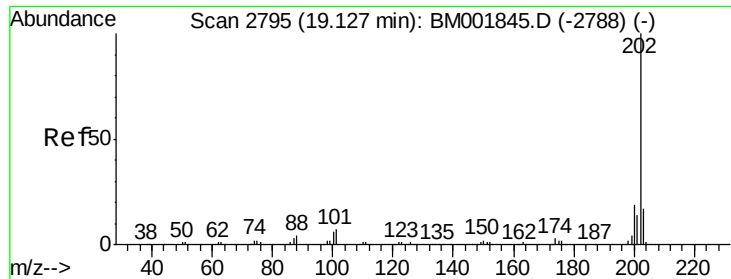
apatel
7/8/2015 4:23:16 PM



#49
Acenaphthene
Concen: 1.08 ng/ul
RT: 14.37 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BM001846.D
Acq: 06 Jul 2015 22:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.0	36.6	55.0
154	79.6	72.6	108.8





#76

Fluoranthene

Concen: 5.40 ng/ul

RT: 19.12 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Instrument :

BNA_M

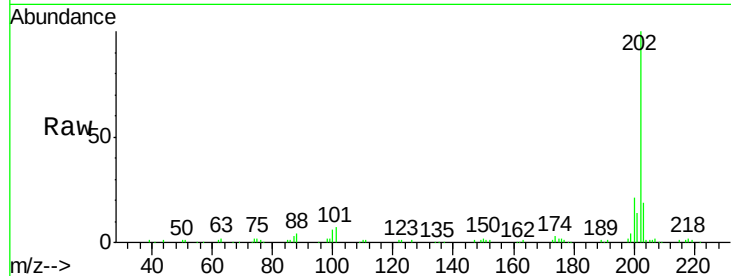
ClientSampleId :

G93L7

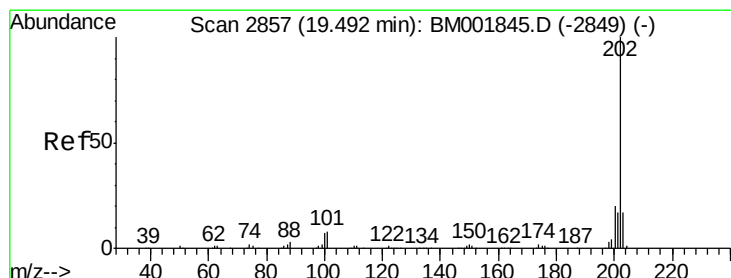
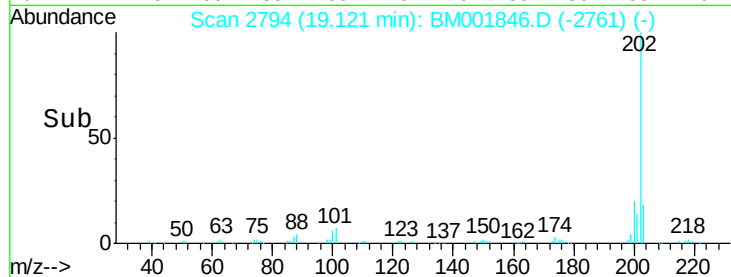
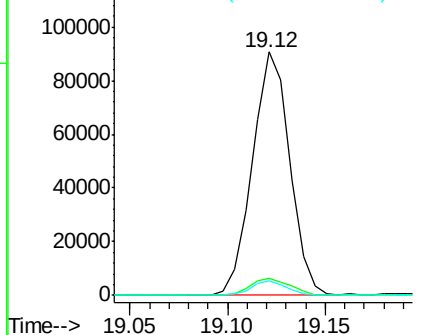
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	120236		
101	7.1	6.1	9.1	
100	6.1	4.8	7.2	

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:16 PM



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



#79

Pyrene

Concen: 6.70 ng/ul

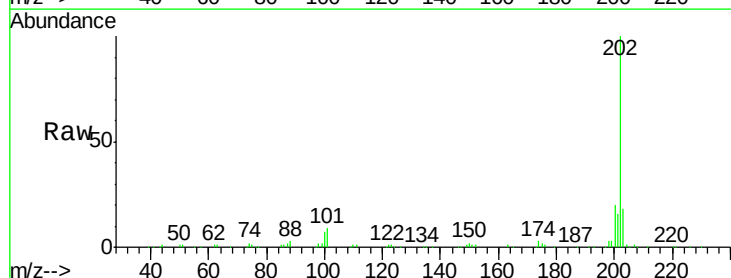
RT: 19.49 min Scan# 2856

Delta R.T. 0.00 min

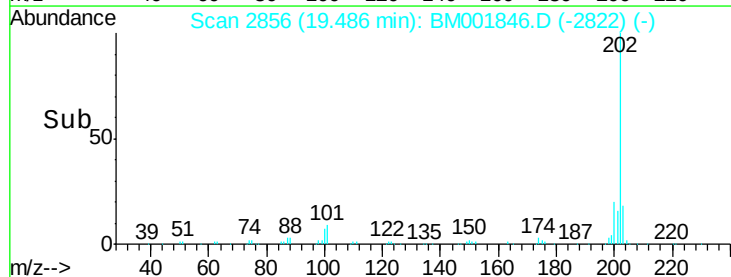
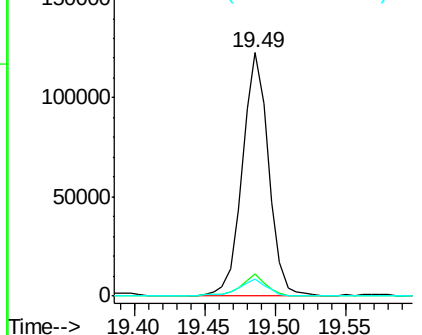
Lab File: BM001846.D

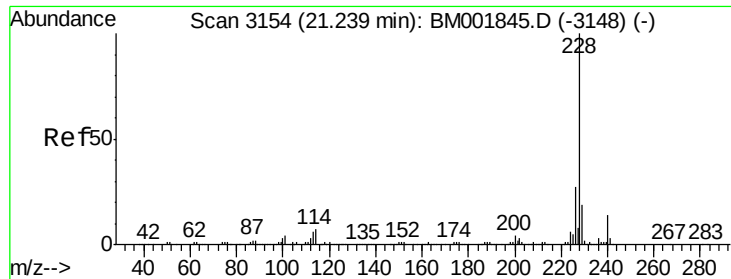
Acq: 06 Jul 2015 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	159951		
101	9.0	6.9	10.3	
100	6.9	6.2	9.2	



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





#82

Benzo(a)anthracene

Concen: 3.02 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Instrument :

BNA_M

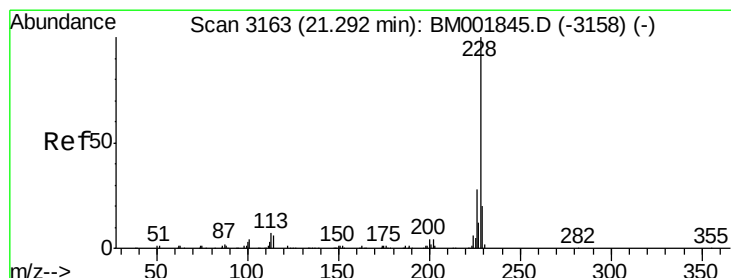
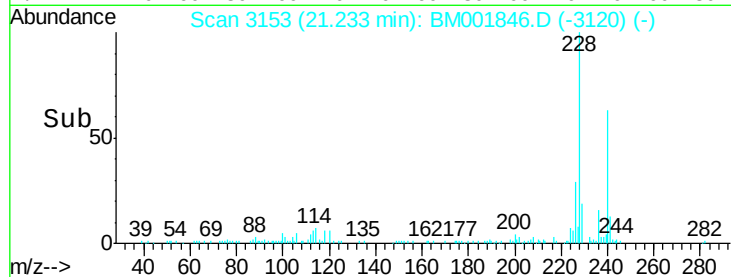
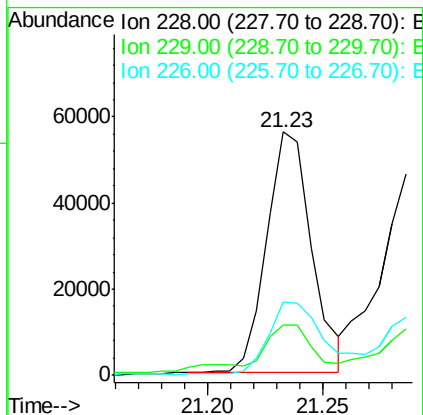
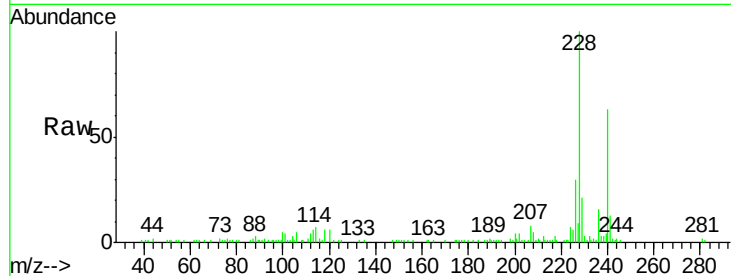
ClientSampleId :

G93L7

Tgt Ion:	228	Resp:	75824
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.4	23.0
226	30.0	20.6	30.8

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:16 PM



#84

Chrysene

Concen: 2.80 ng/ul

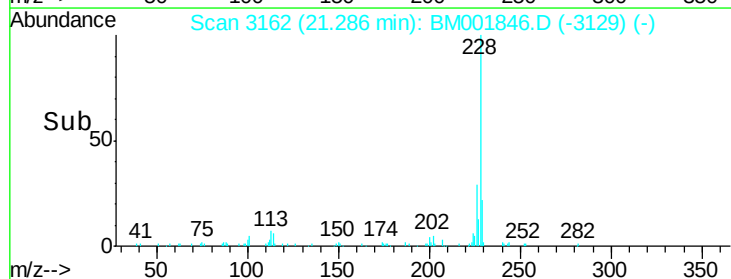
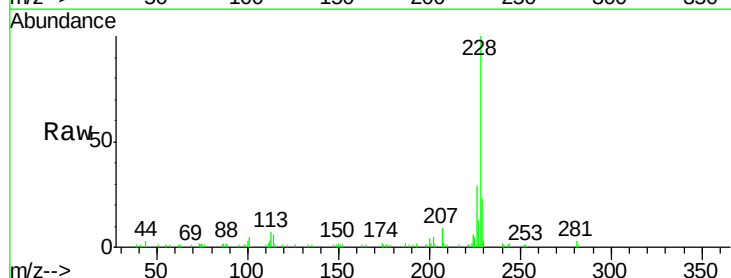
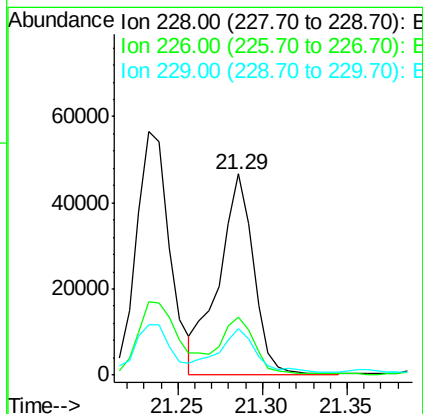
RT: 21.29 min Scan# 3162

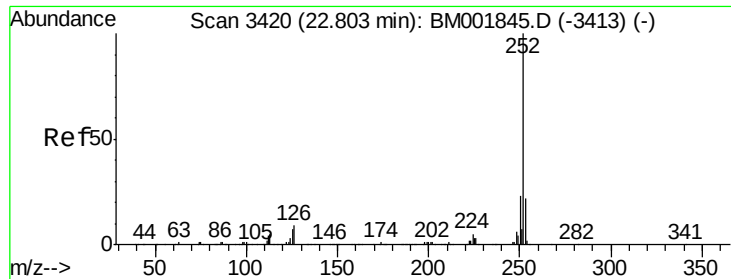
Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Tgt Ion:	228	Resp:	66715
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.0	34.4
229	23.0	15.4	23.2





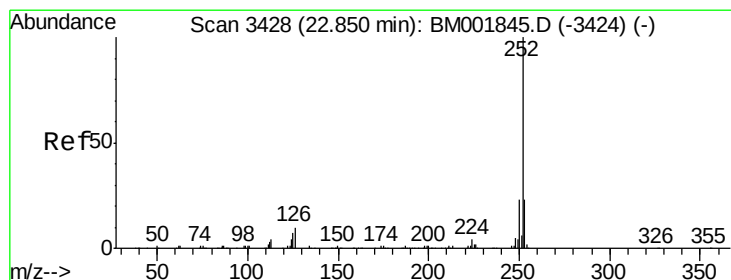
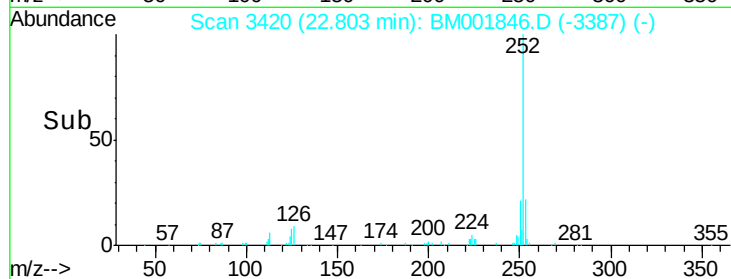
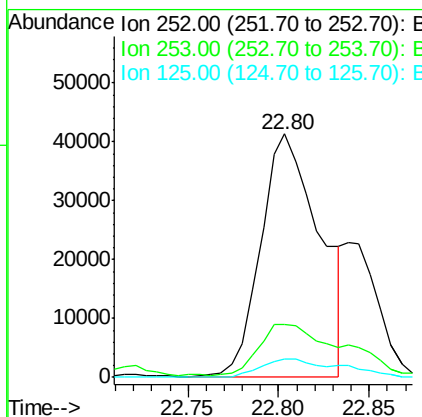
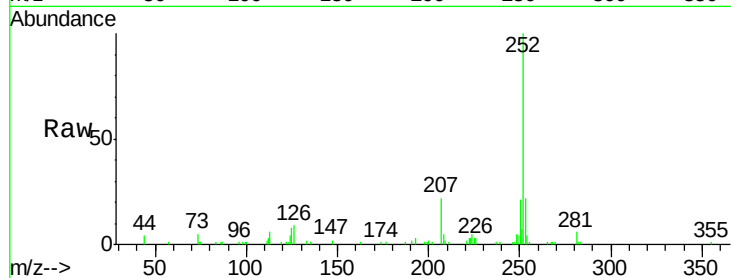
#87
Benzo(b)fluoranthene
Concen: 3.62 ng/ul
RT: 22.80 min Scan# 3420
Delta R.T. -0.01 min
Lab File: BM001846.D
Acq: 06 Jul 2015 22:14

Instrument :
BNA_M
ClientSampled :
G93L7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	7.6	5.3	7.9

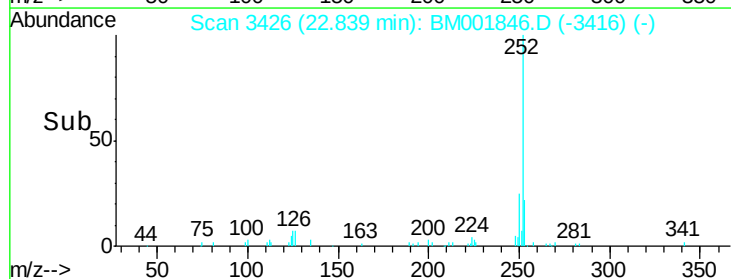
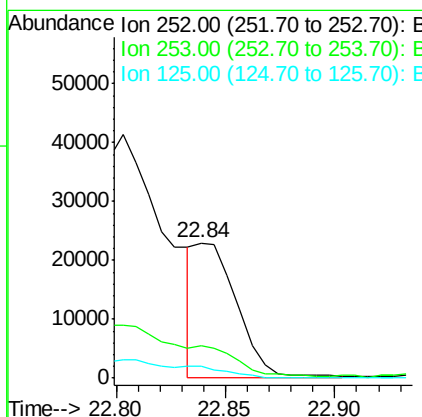
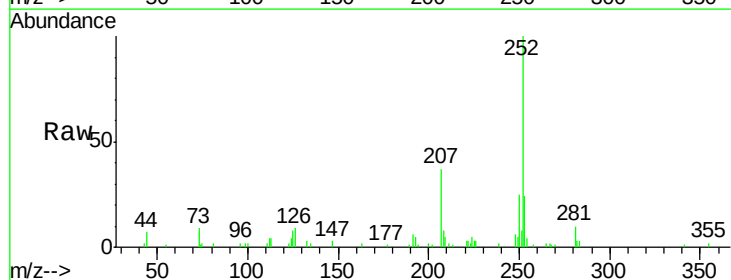
Manual Integrations
APPROVED

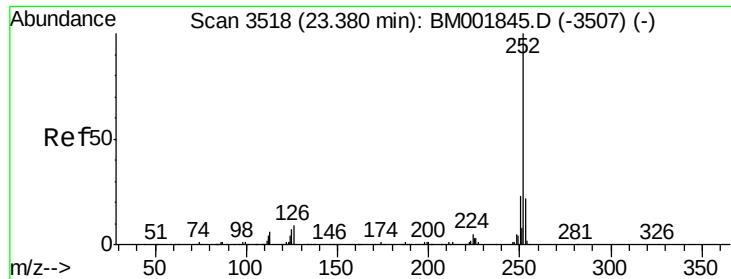
apatel
7/8/2015 4:23:16 PM



#88
Benzo(k)fluoranthene
Concen: 1.21 ng/ul m
RT: 22.84 min Scan# 3426
Delta R.T. -0.01 min
Lab File: BM001846.D
Acq: 06 Jul 2015 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	8.4	5.3	7.9





#90

Benzo(a)pyrene

Concen: 3.45 ng/ul

RT: 23.37 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Instrument :

BNA_M

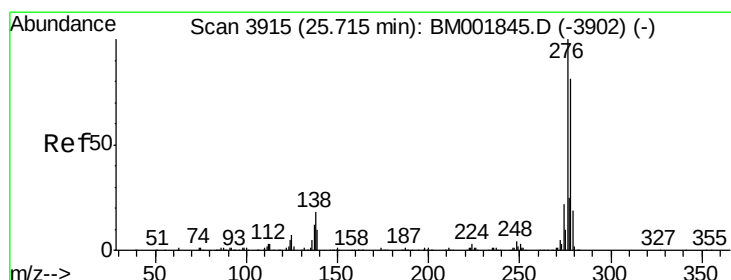
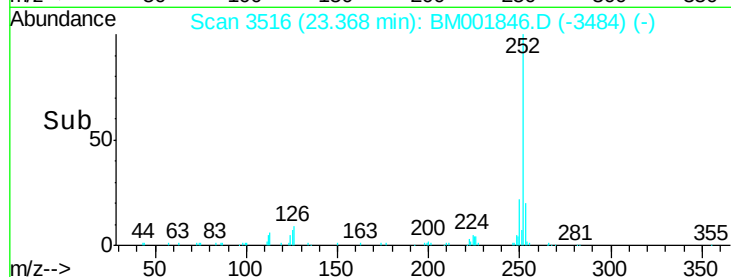
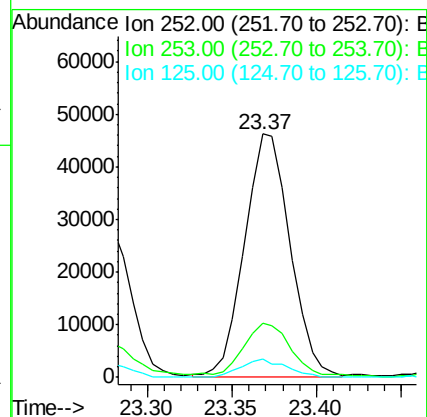
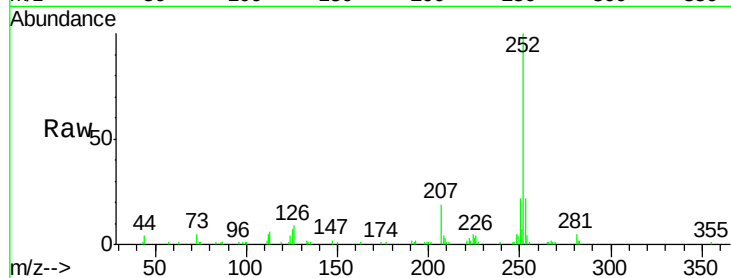
ClientSampleId :

G93L7

Tgt Ion:	252	Resp:	86870
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.0
125	7.4	6.0	9.0

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:16 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.99 ng/ul

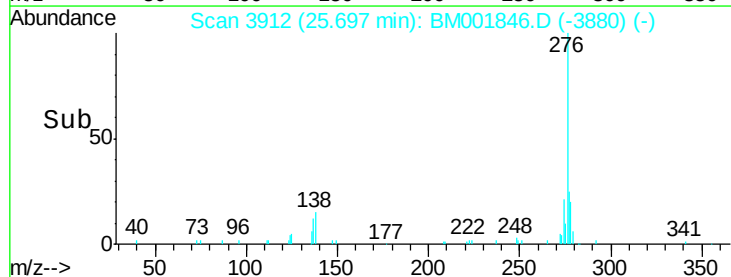
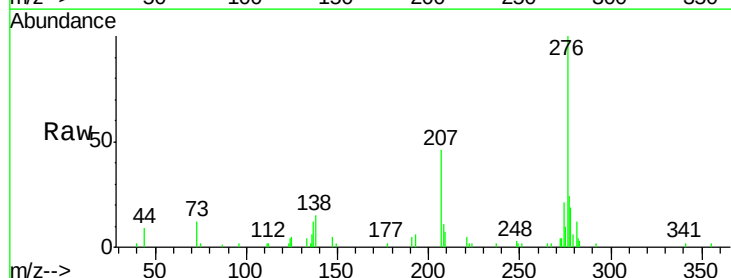
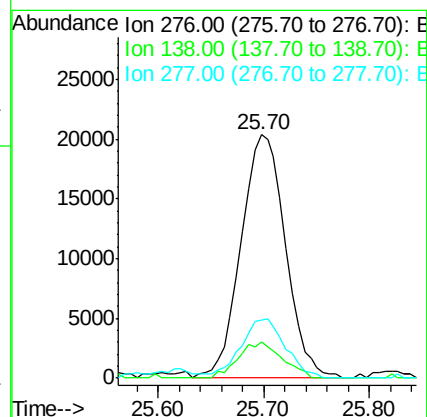
RT: 25.70 min Scan# 3912

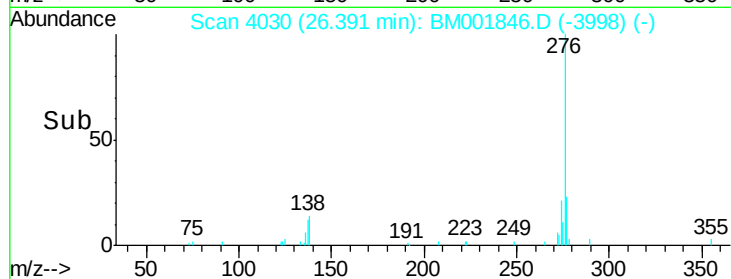
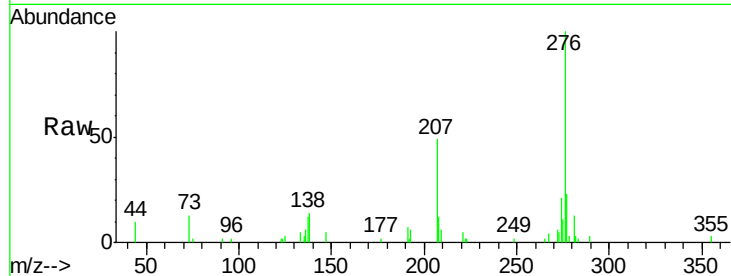
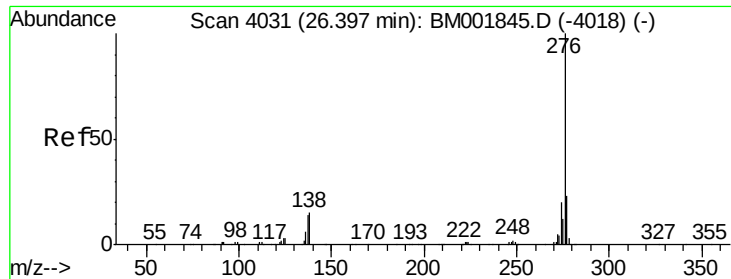
Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Tgt Ion:	276	Resp:	59521
Ion Ratio	Lower	Upper	
276	100		
138	14.8	14.7	22.1
277	24.0	19.7	29.5





#93

Benzo(g,h,i)perylene

Concen: 2.22 ng/ul

RT: 26.39 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM001846.D

Acq: 06 Jul 2015 22:14

Tgt Ion:	276	Resp:	55707
Ion Ratio	Lower	Upper	
276	100		
138	14.5	12.6	19.0
277	22.8	18.7	28.1

Instrument :

BNA_M

ClientSampleId :

G93L7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:16 PM

