

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001842.D
 Acq On : 06 Jul 2015 18:32
 Operator : TP/UM
 Sample : G2861-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L4DL

Manual Integrations
 APPROVED

apatel
 7/8/2015 4:22:53 PM

Quant Time: Jul 07 15:54:19 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	32346	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	113021	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	66797	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	149720	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	176301	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	179714	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	3335	4.92	ng/uL	0.00
5) Phenol-d5	6.83	99	60402	24.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	39660	28.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	51034	25.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	28811	14.45	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	25803	32.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	26566	31.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	49486	27.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	96064	51.56	ng/ul	-0.03
43) Dimethylphthalate-d6	13.73	166	145785	29.43	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	194805	30.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	22322	24.43	ng/ul	0.00
57) Fluorene-d10	15.32	176	143957	31.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	10963	11.99	ng/ul	0.00
70) Anthracene-d10	17.16	188	214920	30.82	ng/ul	0.00
78) Pyrene-d10	19.46	212	247768	33.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	252186	31.84	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	40608	7.12	ng/ul#	74
44) Dimethylphthalate	13.77	163	32226	5.95	ng/ul#	96
49) Acenaphthene	14.39	153	70686	15.98	ng/ul	96
58) Fluorene	15.37	166	91174	17.29	ng/ul#	94
69) Phenanthrene	17.11	178	373386	45.99	ng/ul	96
76) Fluoranthene	19.13	202	134606	13.86	ng/ul#	97
79) Pyrene	19.49	202	206675	21.13	ng/ul	100
82) Benzo(a)anthracene	21.24	228	88371	8.58	ng/ul#	91
84) Chrysene	21.29	228	90179	9.24	ng/ul#	91
87) Benzo(b)fluoranthene	22.81	252	157841	15.09	ng/ul#	96
88) Benzo(k)fluoranthene	22.84	252	50531m	5.00	ng/ul	
90) Benzo(a)pyrene	23.38	252	148032	14.55	ng/ul	94
91) Indeno(1,2,3-cd)pyrene	25.70	276	139749	11.58	ng/ul	95
92) Dibenzo(a,h)anthracene	25.71	278	29799	2.93	ng/ul#	82
93) Benzo(g,h,i)perylene	26.40	276	133178	13.12	ng/ul#	97

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

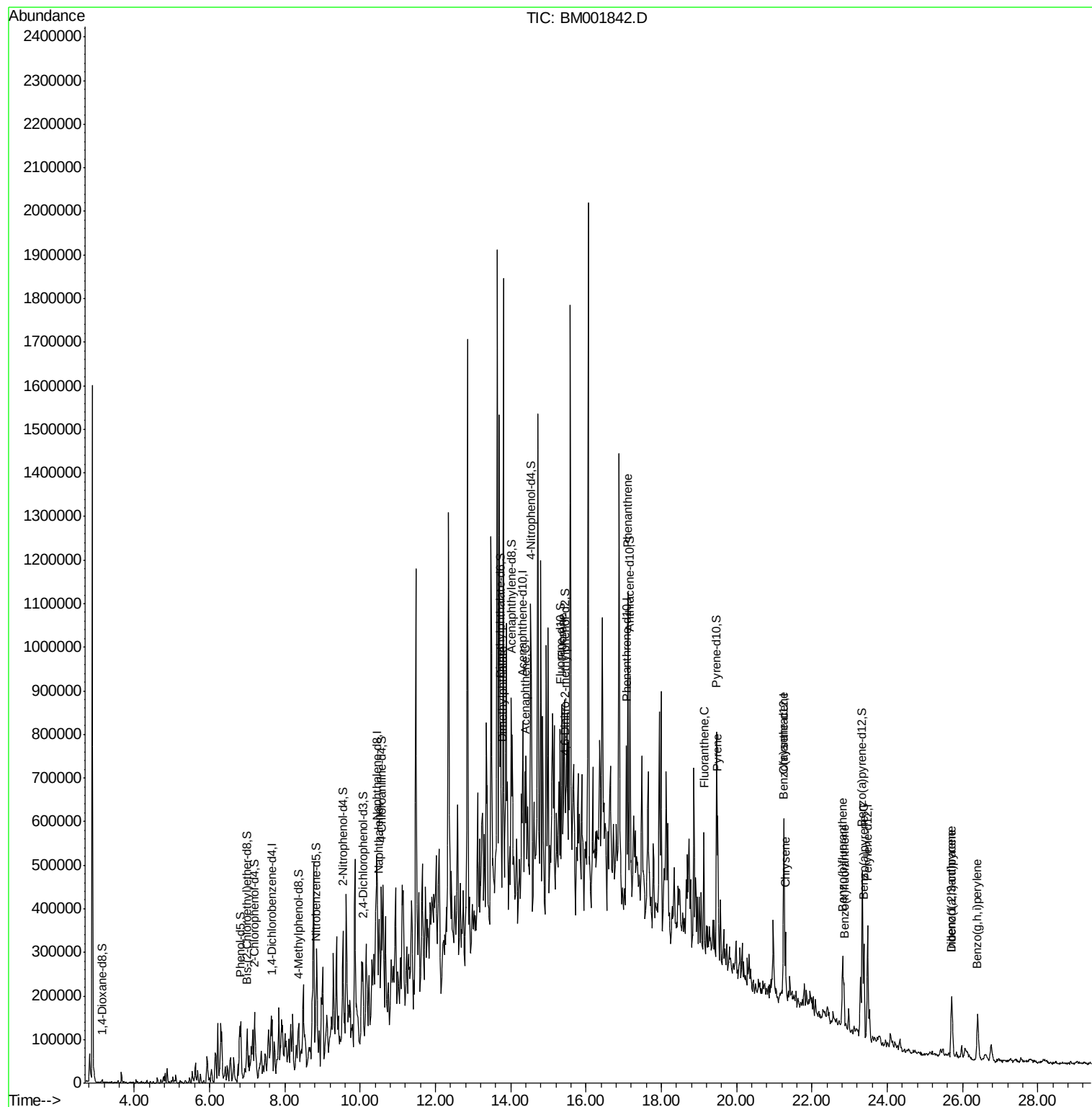
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001842.D
Acq On : 06 Jul 2015 18:32
Operator : TP/UM
Sample : G2861-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

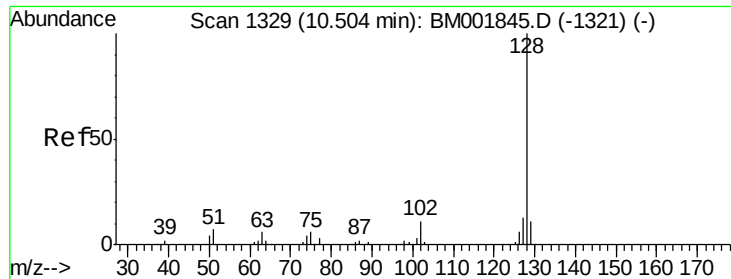
Instrument :
BNA_M
ClientSampleId :
G93L4DL

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM

Quant Time: Jul 07 15:54:19 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





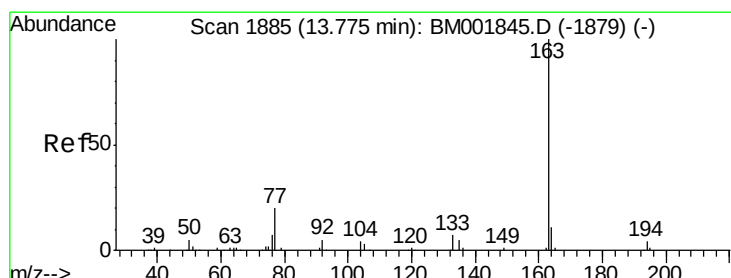
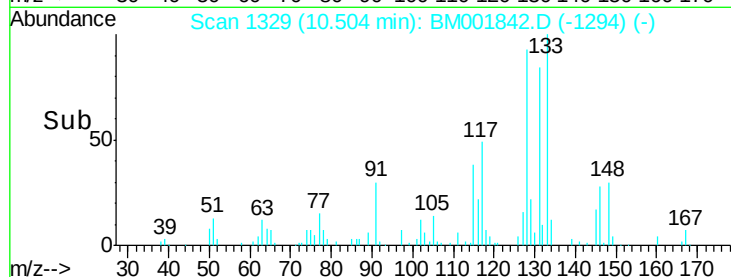
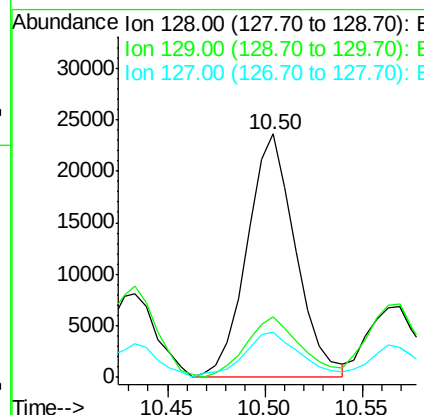
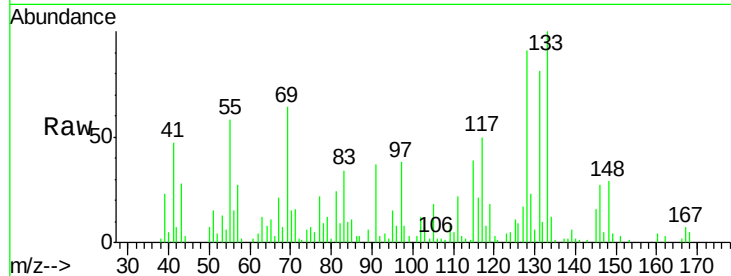
#28
Naphthalene
Concen: 7.12 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BM001842.D
Acq: 06 Jul 2015 18:32

Instrument :
BNA_M
ClientSampleId :
G93L4DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	24.8	8.7	13.1#
127	18.8	10.0	15.0#

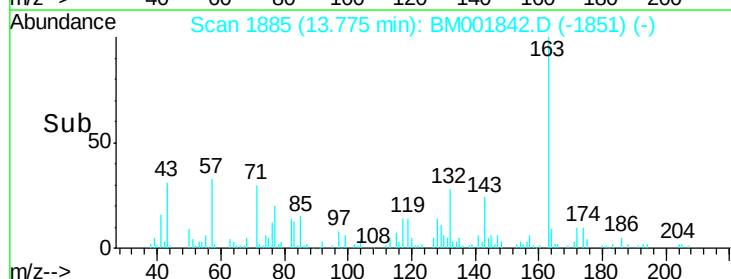
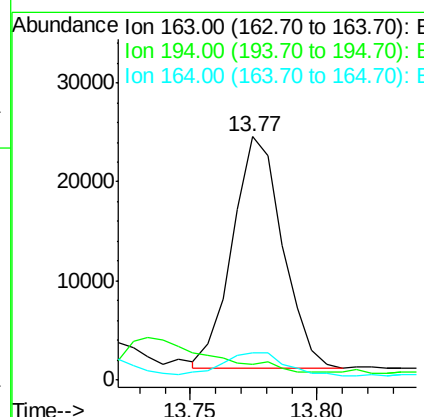
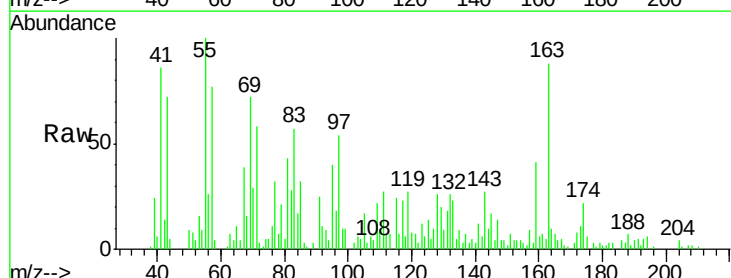
Manual Integrations
APPROVED

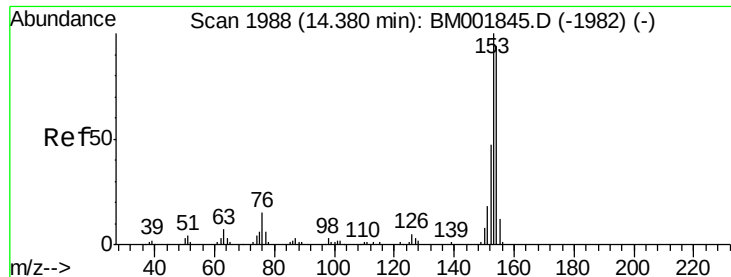
apatel
7/8/2015 4:22:53 PM



#44
Dimethylphthalate
Concen: 5.95 ng/ul
RT: 13.77 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BM001842.D
Acq: 06 Jul 2015 18:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.7	3.6	5.4#
164	11.0	8.0	12.0





#49

Acenaphthene

Concen: 15.98 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BM001842.D

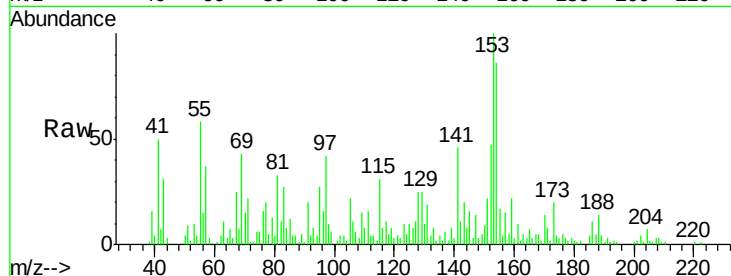
Acq: 06 Jul 2015 18:32

Instrument :

BNA_M

ClientSampled :

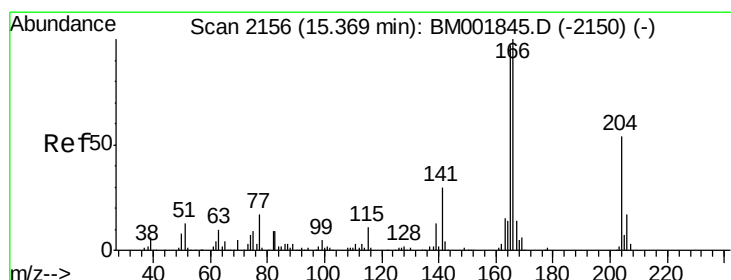
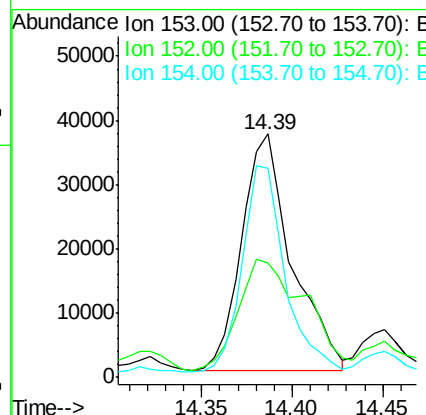
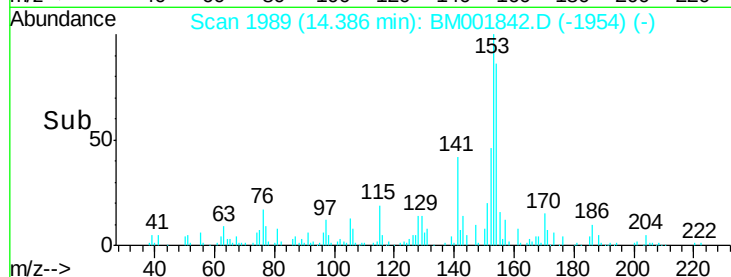
G93L4DL



Tgt Ion:	153	Resp:	70686
Ion Ratio	Lower	Upper	
153	100		
152	47.2	36.6	55.0
154	85.7	72.6	108.8

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM



#58

Fluorene

Concen: 17.29 ng/ul

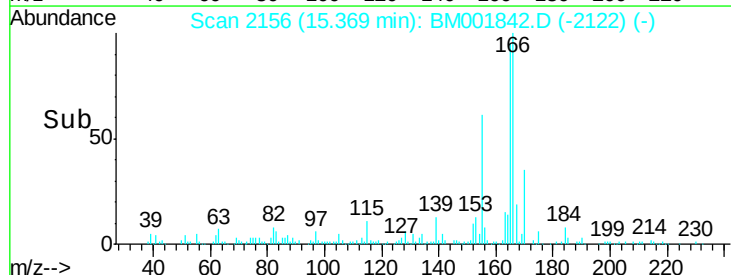
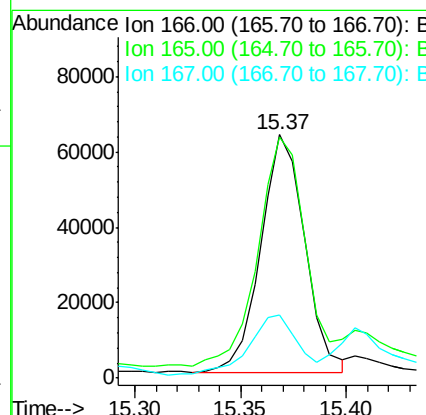
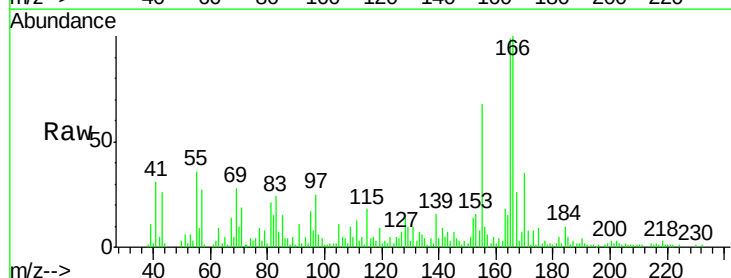
RT: 15.37 min Scan# 2156

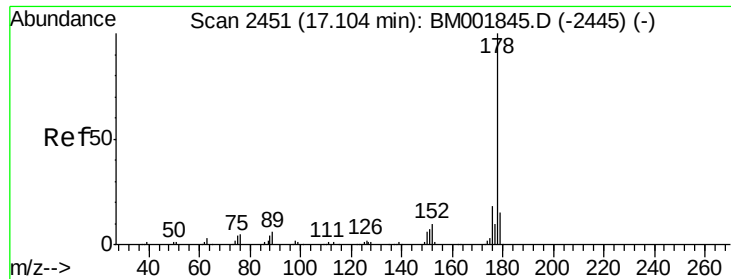
Delta R.T. 0.00 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Tgt Ion:	166	Resp:	91174
Ion Ratio	Lower	Upper	
166	100		
165	99.1	77.4	116.2
167	26.0	11.3	16.9#





#69

Phenanthrene

Concen: 45.99 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BM001842.D

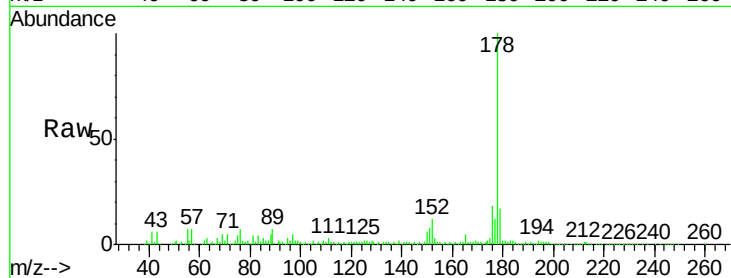
Acq: 06 Jul 2015 18:32

Instrument :

BNA_M

ClientSampleId :

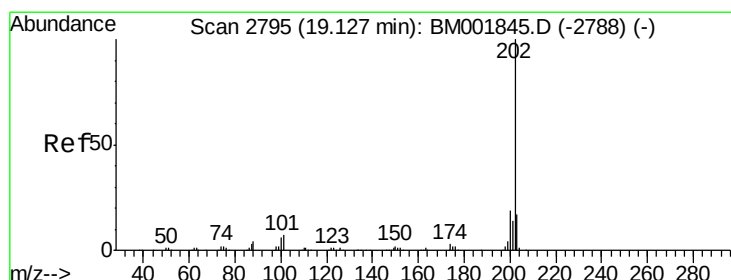
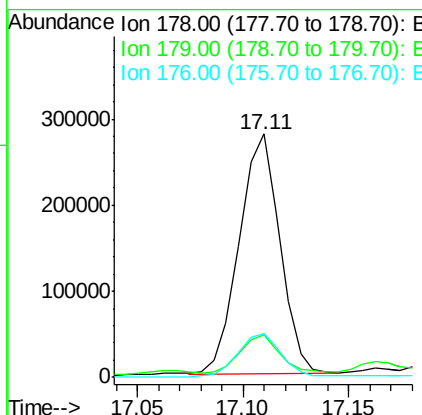
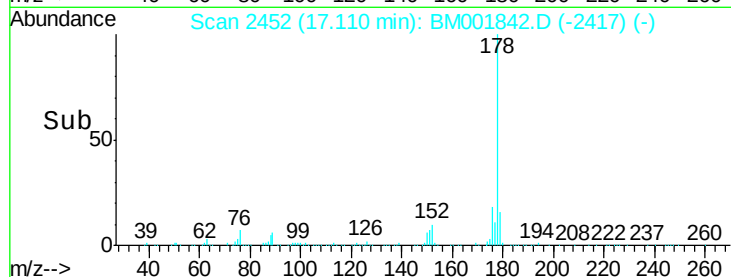
G93L4DL



Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	11.9	17.9
176	18.2	15.2	22.8

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM



#76

Fluoranthene

Concen: 13.86 ng/ul

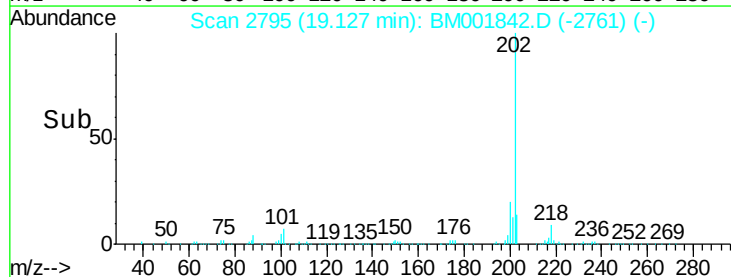
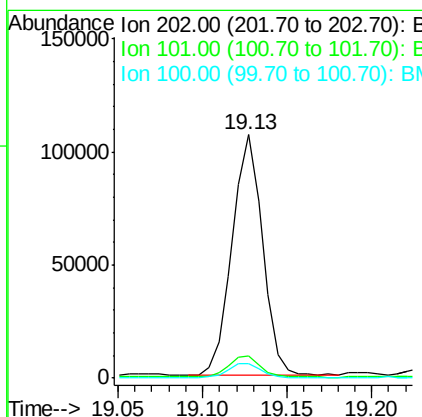
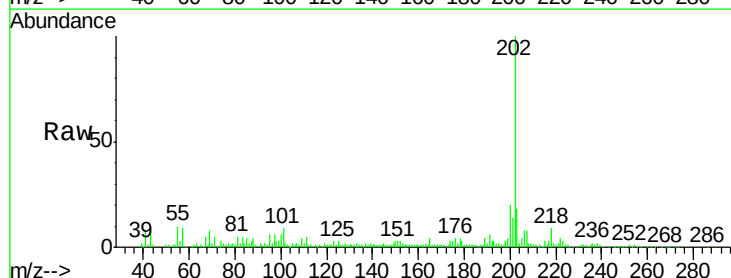
RT: 19.13 min Scan# 2795

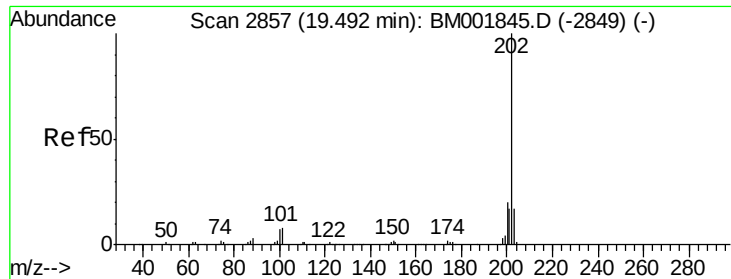
Delta R.T. 0.00 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	6.1	9.1#
100	5.9	4.8	7.2





#79

Pyrene

Concen: 21.13 ng/ul

RT: 19.49 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Instrument :

BNA_M

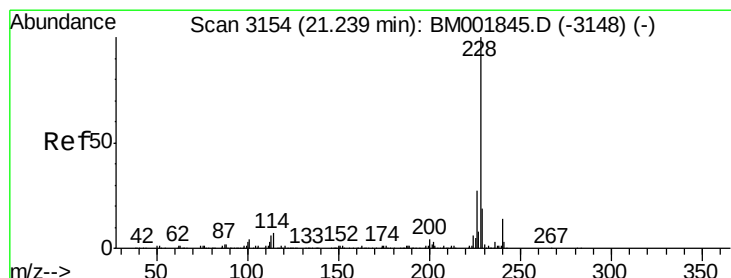
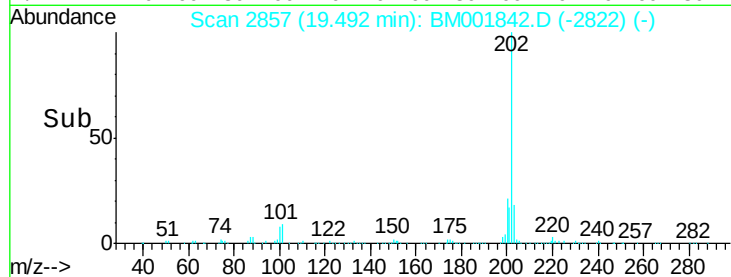
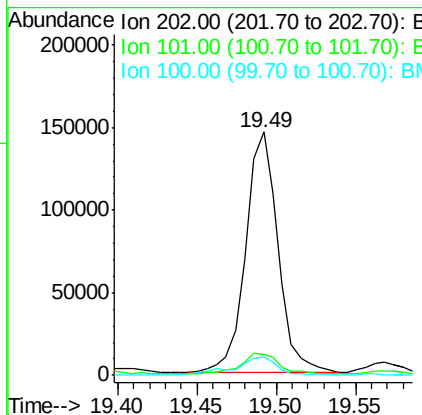
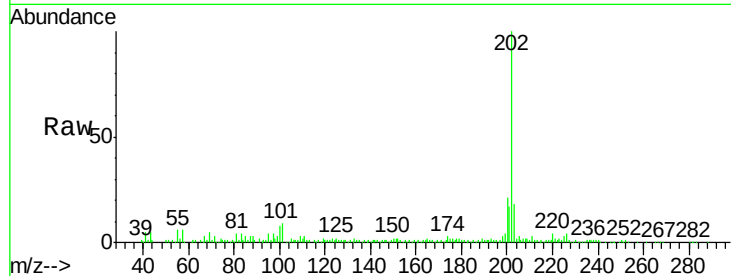
ClientSampleId :

G93L4DL

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	6.9	10.3
100	7.8	6.2	9.2

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM



#82

Benzo(a)anthracene

Concen: 8.58 ng/ul

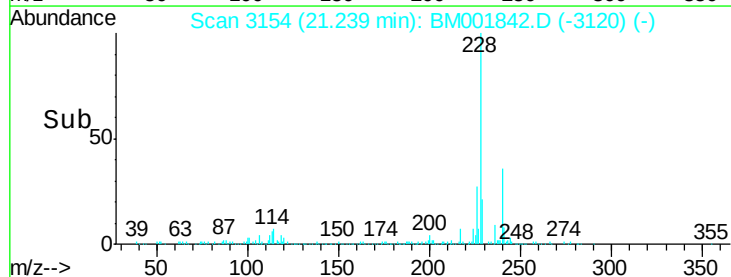
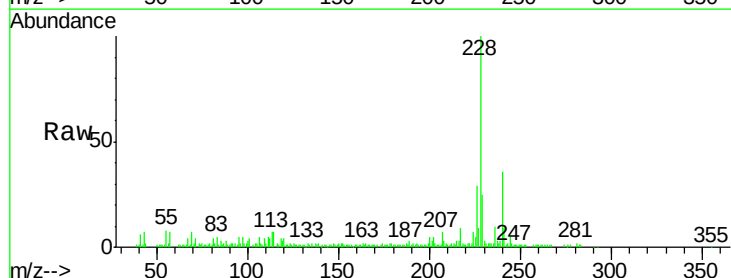
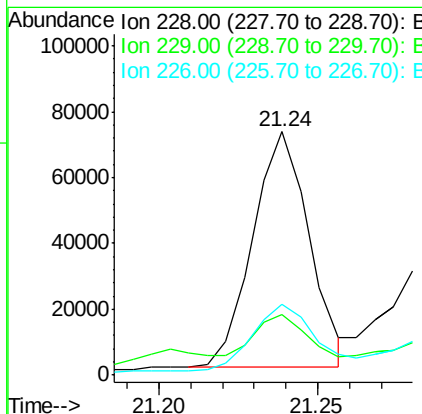
RT: 21.24 min Scan# 3154

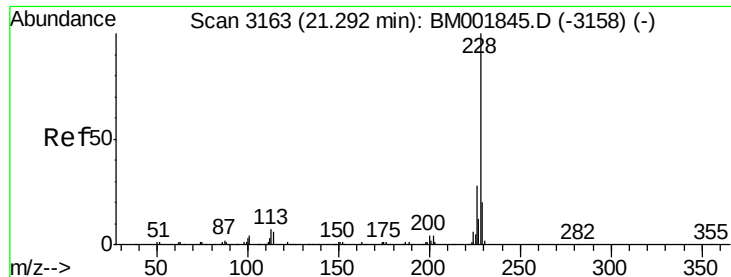
Delta R.T. 0.00 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	24.8	15.4	23.0#
226	28.8	20.6	30.8





#84

Chrysene

Concen: 9.24 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Instrument :

BNA_M

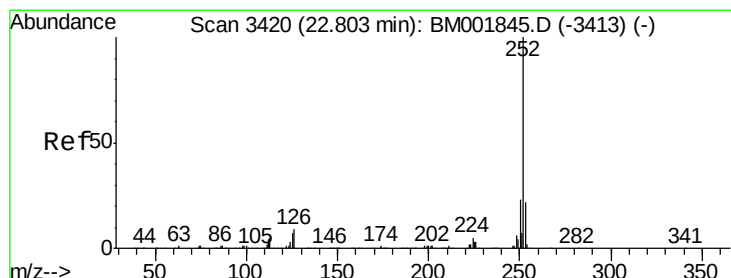
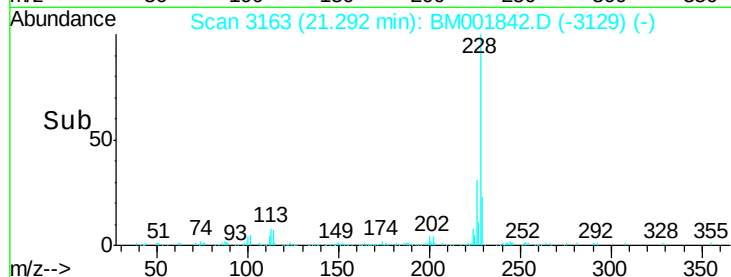
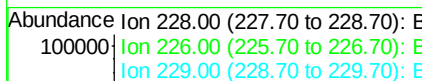
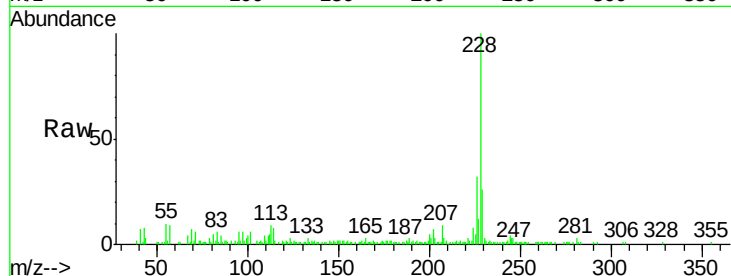
ClientSampleId :

G93L4DL

Tgt Ion:	228	Resp:	90179
Ion Ratio	Lower	Upper	
228	100		
226	31.7	23.0	34.4
229	25.9	15.4	23.2

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM



#87

Benzo(b)fluoranthene

Concen: 15.09 ng/ul

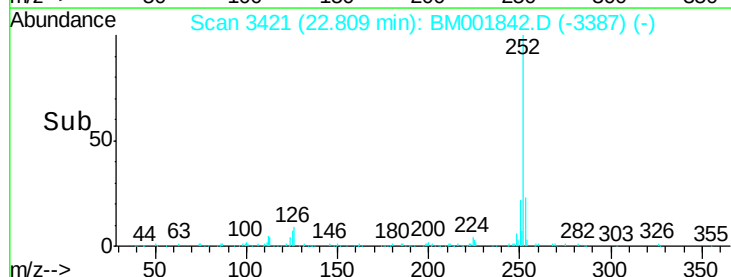
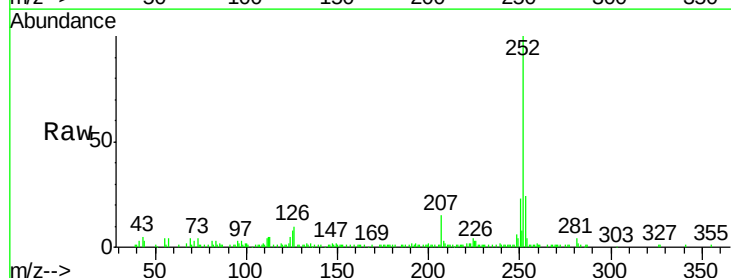
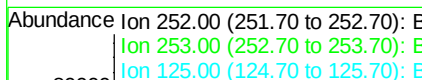
RT: 22.81 min Scan# 3421

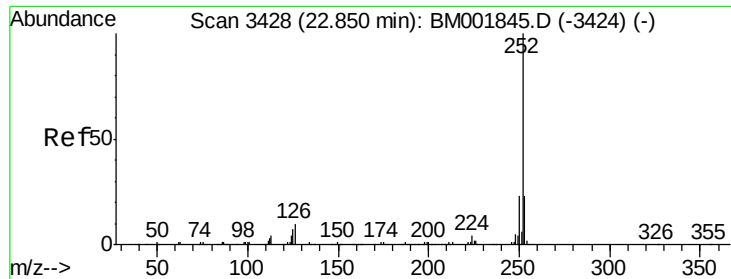
Delta R.T. 0.00 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Tgt Ion:	252	Resp:	157841
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	8.1	5.3	7.9





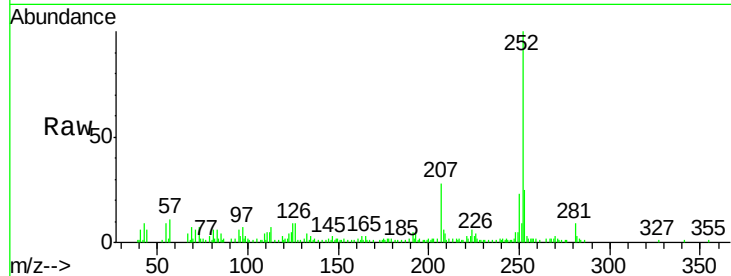
#88
Benzo(k)fluoranthene
Concen: 5.00 ng/ul m
RT: 22.84 min Scan# 3427
Delta R.T. -0.01 min
Lab File: BM001842.D
Acq: 06 Jul 2015 18:32

Instrument :
BNA_M
ClientSampleId :
G93L4DL

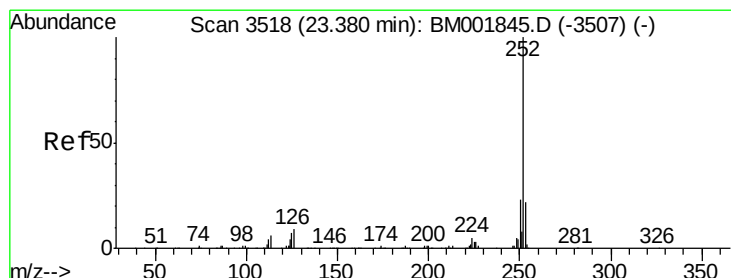
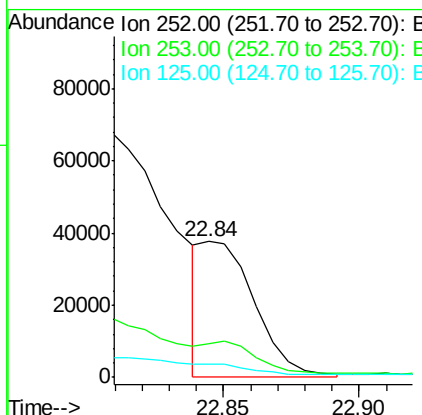
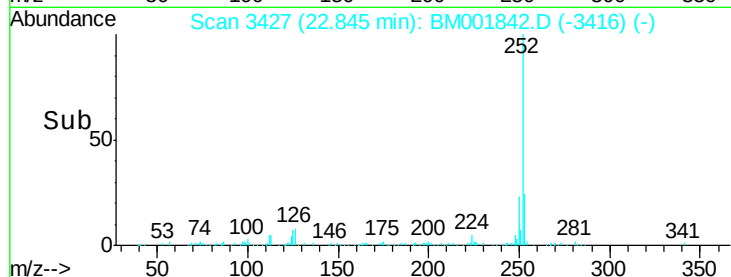
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50531		
253	24.8	17.1	25.7	
125	9.4	5.3	7.9	

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM

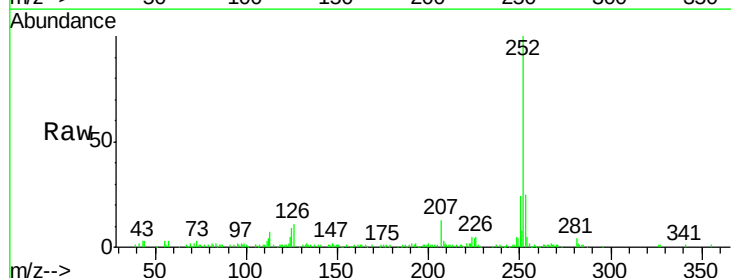


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

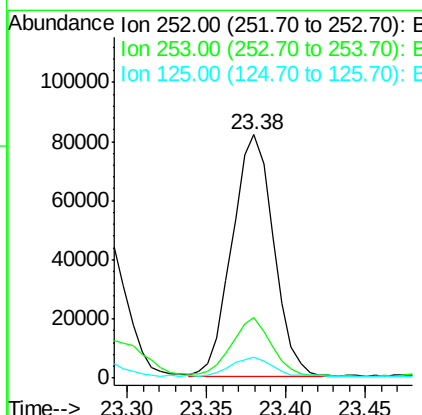
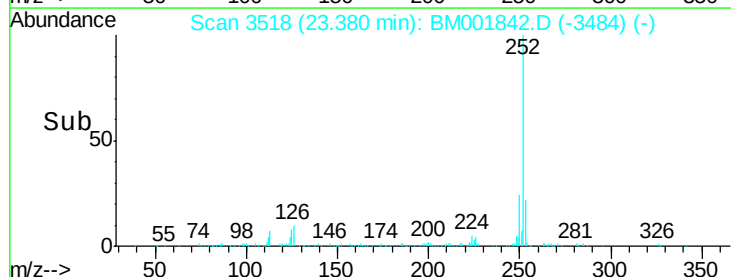


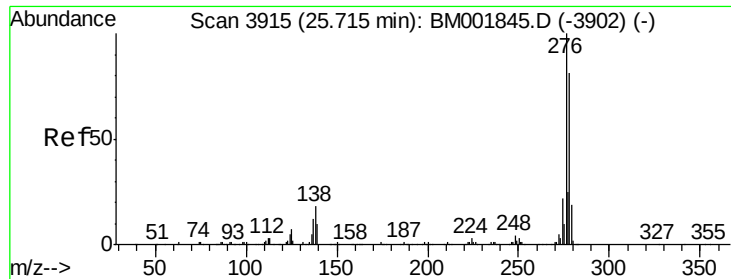
#90
Benzo(a)pyrene
Concen: 14.55 ng/ul
RT: 23.38 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BM001842.D
Acq: 06 Jul 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	148032		
253	24.8	17.4	26.0	
125	8.8	6.0	9.0	



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

Indeno(1,2,3-cd)pyrene

Concen: 11.58 ng/ul

RT: 25.70 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Instrument :

BNA_M

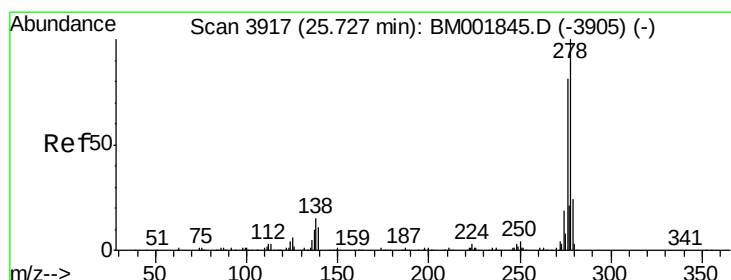
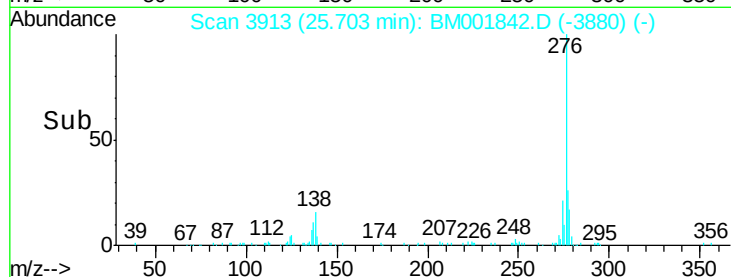
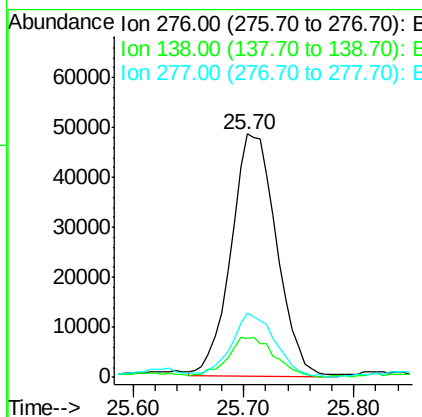
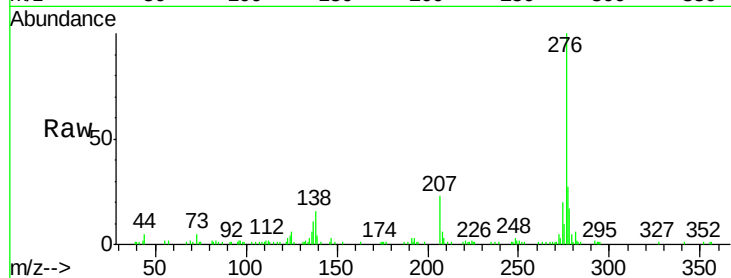
ClientSampleId :

G93L4DL

Tgt Ion:	276	Resp:	139749
Ion Ratio	Lower	Upper	
276	100		
138	15.9	14.7	22.1
277	26.7	19.7	29.5

Manual Integrations
APPROVED

apatel
7/8/2015 4:22:53 PM



#92

Dibenzo(a,h)anthracene

Concen: 2.93 ng/ul

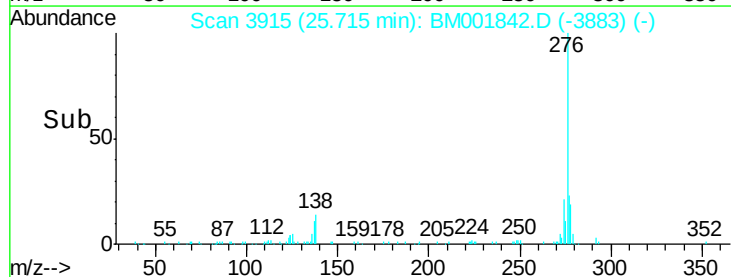
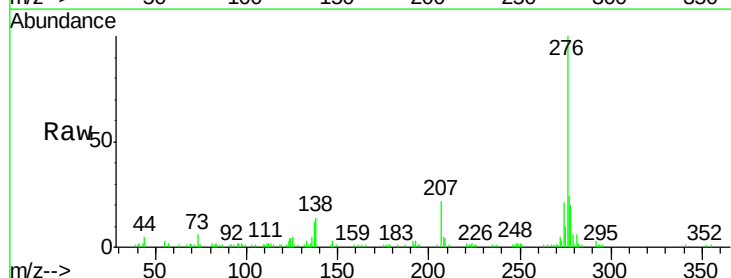
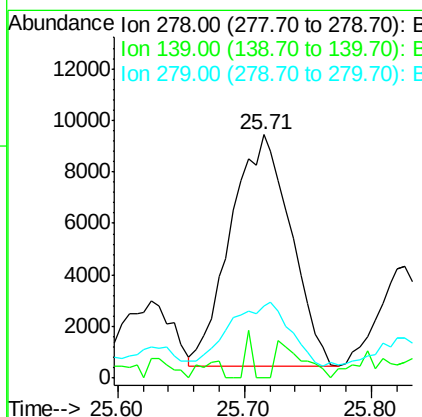
RT: 25.71 min Scan# 3915

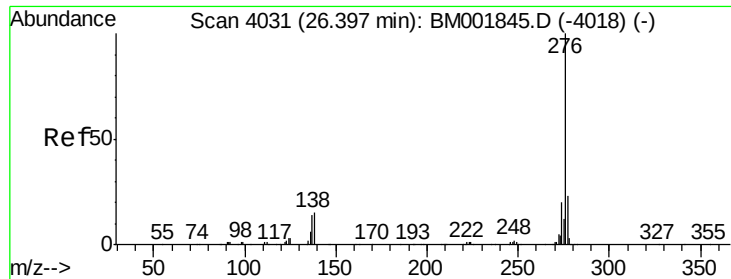
Delta R.T. -0.01 min

Lab File: BM001842.D

Acq: 06 Jul 2015 18:32

Tgt Ion:	278	Resp:	29799
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.2	13.8#
279	29.7	19.1	28.7#





#93
 Benzo(g,h,i)perylene
 Concen: 13.12 ng/ul
 RT: 26.40 min Scan# 4031
 Delta R.T. -0.01 min
 Lab File: BM001842.D
 Acq: 06 Jul 2015 18:32

Instrument :
 BNA_M
 ClientSampleId :
 G93L4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.2	12.6	19.0#
277	23.3	18.7	28.1

Manual Integrations
 APPROVED

apatel
 7/8/2015 4:22:53 PM

