

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002104.D
 Acq On : 28 Jul 2015 21:23
 Operator : TP/UM
 Sample : G3030-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M1

Manual Integrations
 APPROVED

apatel
 7/30/2015 7:47:43 AM

Quant Time: Jul 29 15:52:40 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 00:46:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	27714	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	105713	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	60912	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.00	188	140722	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	181024	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	188132	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	1952	3.64	ng/uL	0.00
5) Phenol-d5	6.77	99	38105	19.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	22589	20.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	33595	20.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	25486	16.18	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	15354	20.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	17292	20.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	29910	18.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	29777	16.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	103247	23.14	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	85543	15.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	4134	5.55	ng/ul	0.00
58) Fluorene-d10	15.26	176	56644	14.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	8580	9.97	ng/ul	0.00
71) Anthracene-d10	17.10	188	86060	13.70	ng/ul	0.00
79) Pyrene-d10	19.41	212	85136	11.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	85397	9.36	ng/ul	0.00

Target Compounds

						Ovalue
45) Dimethylphthalate	13.72	163	48588	10.91	ng/ul	97
50) Acenaphthene	14.33	153	7266	1.93	ng/ul	91
70) Phenanthrene	17.05	178	123830	16.99	ng/ul	99
72) Anthracene	17.14	178	28985	3.89	ng/ul	98
75) Carbazole	17.42	167	14205	2.23	ng/ul	96
77) Fluoranthene	19.07	202	261664	31.09	ng/ul	99
80) Pyrene	19.44	202	224917	22.83	ng/ul	98
83) Benzo(a)anthracene	21.19	228	128718	12.83	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	34158	5.93	ng/ul	97
85) Chrysene	21.24	228	137185	14.61	ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	195063	18.45	ng/ul	97
89) Benzo(k)fluoranthene	22.78	252	61108m	5.99	ng/ul	
91) Benzo(a)pyrene	23.31	252	123192	12.07	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.61	276	91586	7.79	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.61	278	24919m	2.48	ng/ul	
94) Benzo(g,h,i)perylene	26.29	276	79421	8.06	ng/ul	97

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

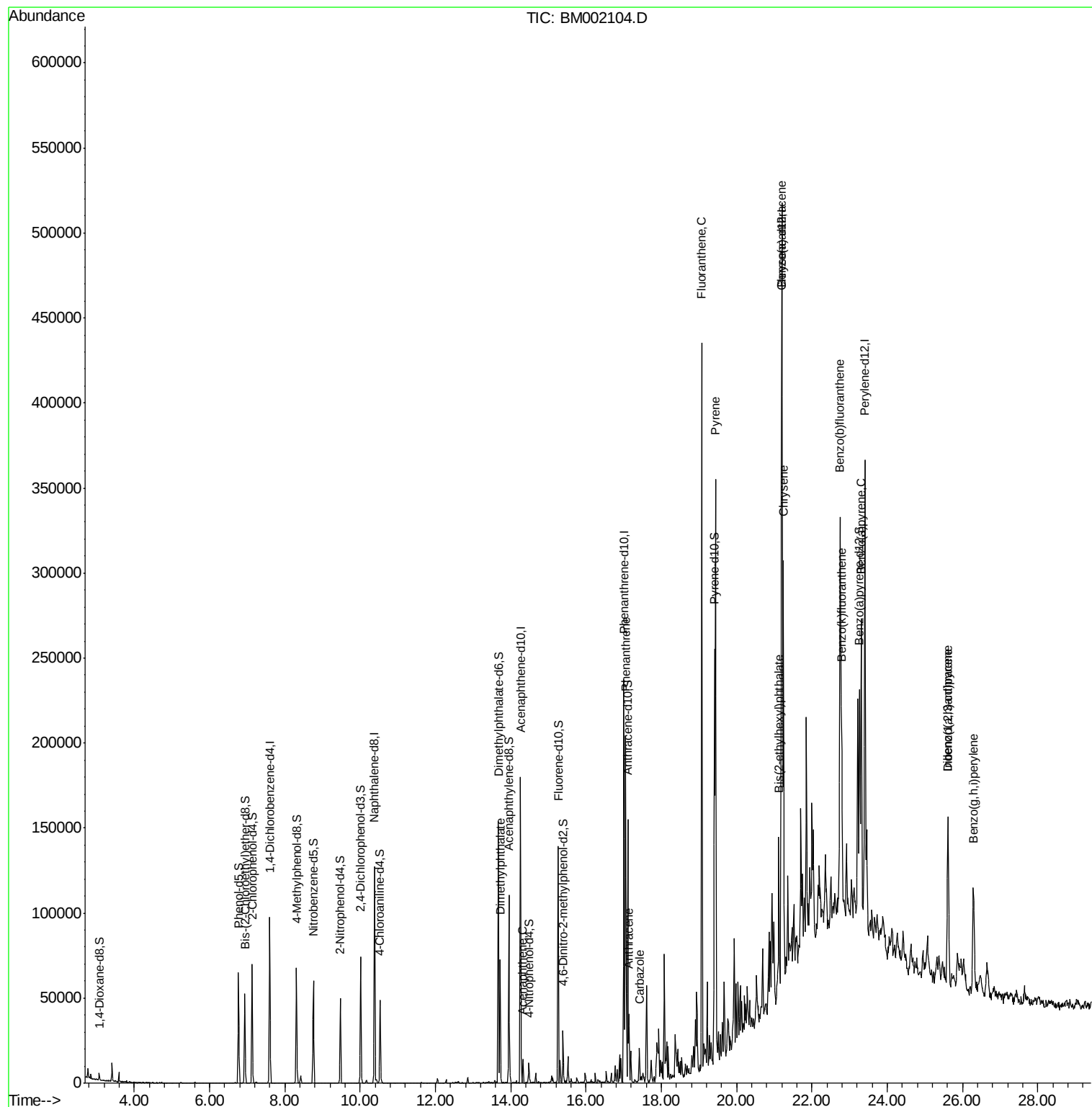
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002104.D
Acq On : 28 Jul 2015 21:23
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

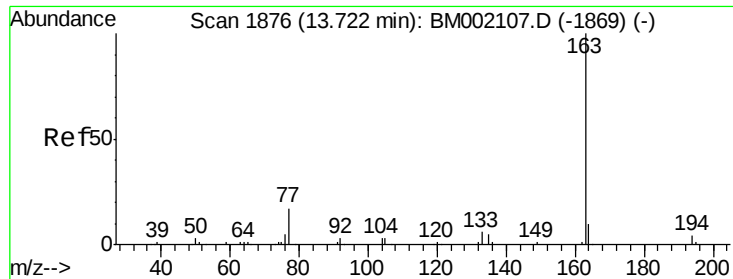
Instrument :
BNA_M
ClientSampleId :
C01M1

Manual Integrations
APPROVED

apatel
7/30/2015 7:47:43 AM

Quant Time: Jul 29 15:52:40 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 00:46:08 2015
Response via : Initial Calibration





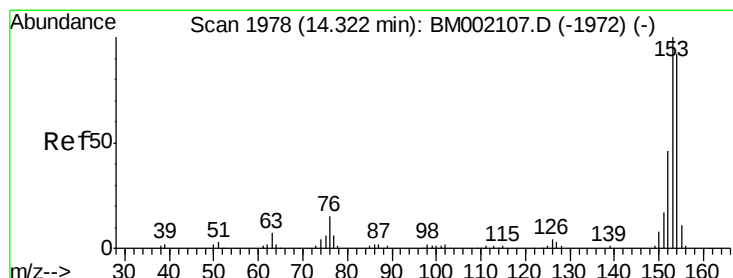
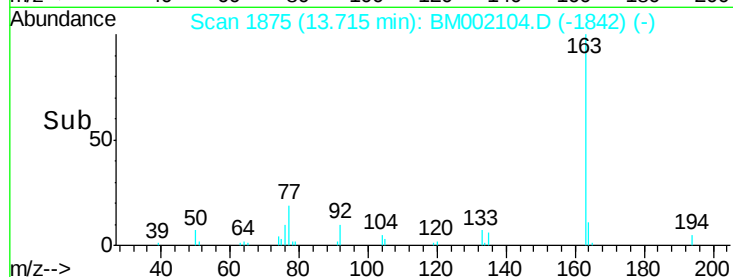
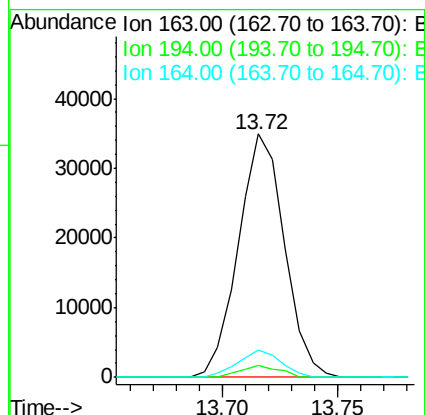
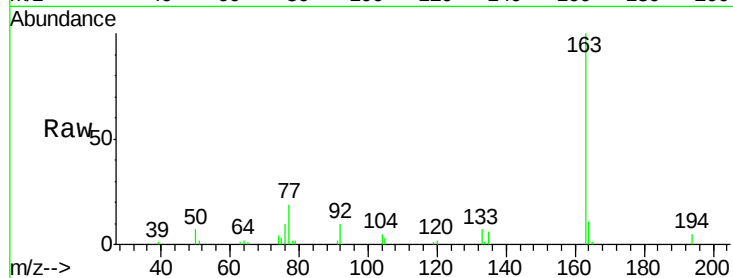
#45
Dimethylphthalate
Concen: 10.91 ng/ul
RT: 13.72 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Instrument :
BNA_M
ClientSampleId :
C01M1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48588		
194	5.2		3.5	5.3
164	11.2		8.0	12.0

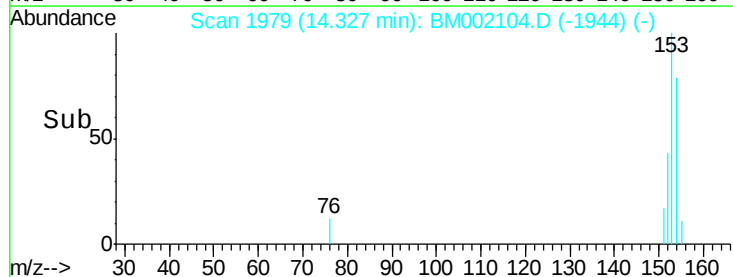
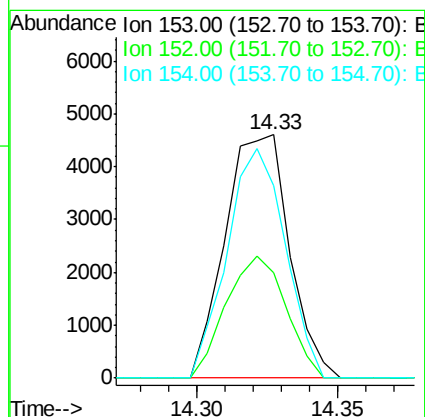
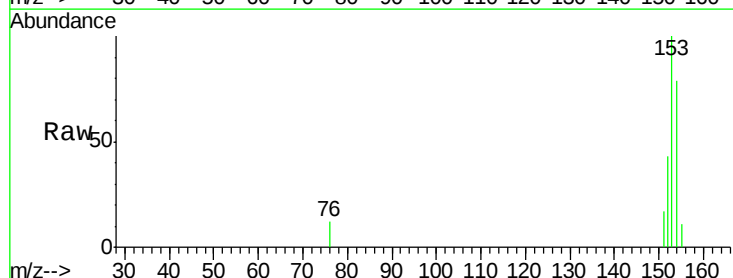
Manual Integrations
APPROVED

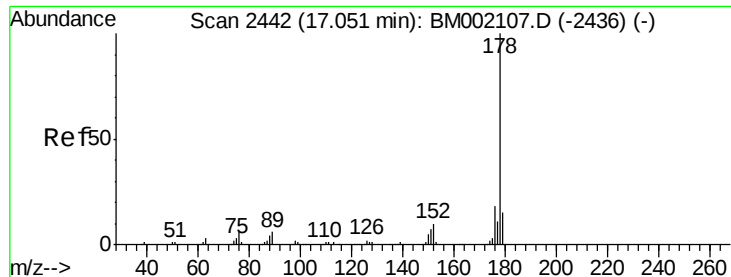
apatel
7/30/2015 7:47:43 AM



#50
Acenaphthene
Concen: 1.93 ng/ul
RT: 14.33 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	7266		
152	43.2		37.3	55.9
154	79.2		71.4	107.2





#70

Phenanthrene

Concen: 16.99 ng/ul

RT: 17.05 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

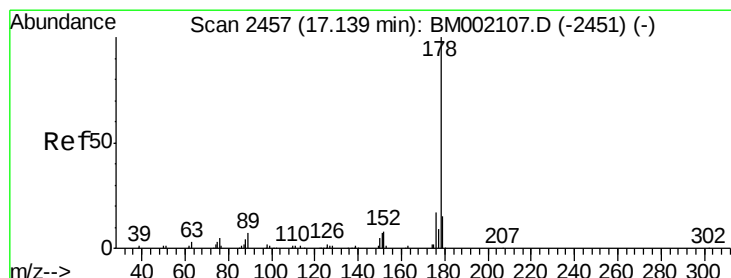
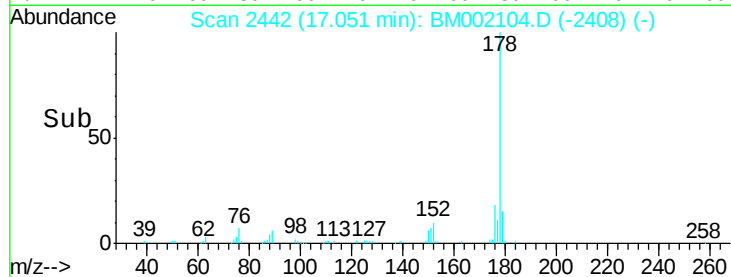
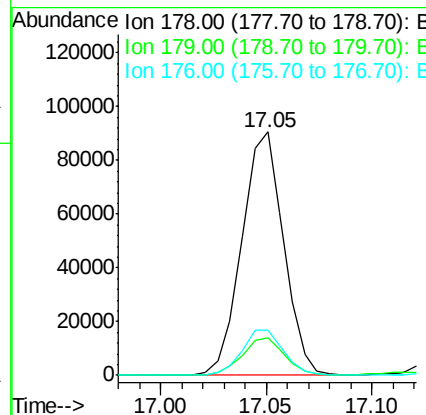
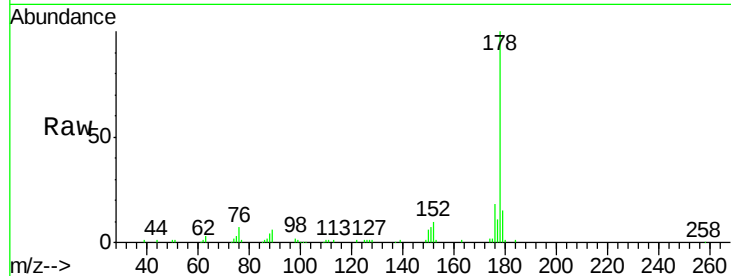
ClientSampleId :

C01M1

Tot Ion:	178	Resp:	123830
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.5	18.7
176	18.4	14.2	21.4

Manual Integrations
APPROVED

apatel
7/30/2015 7:47:43 AM



#72

Anthracene

Concen: 3.89 ng/ul

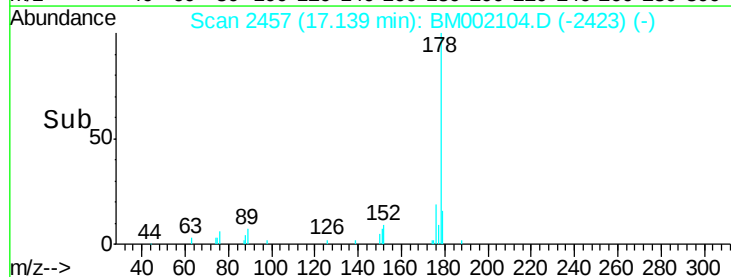
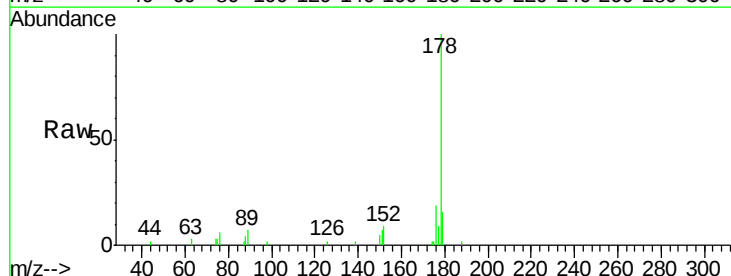
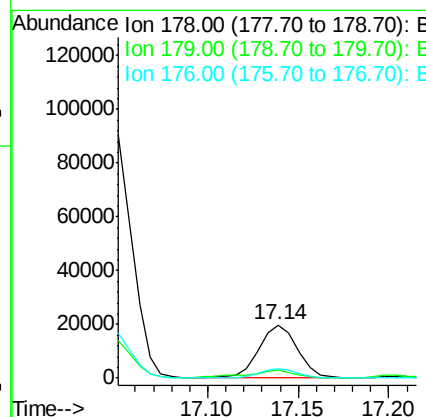
RT: 17.14 min Scan# 2457

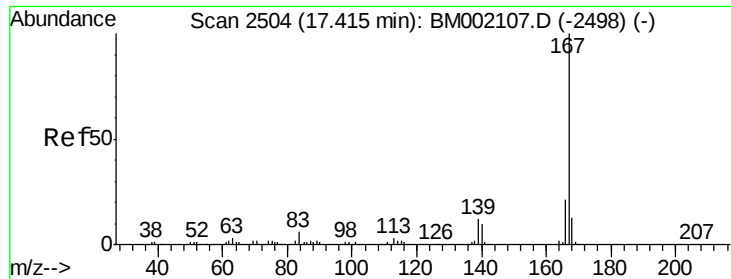
Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Tgt Ion:	178	Resp:	28985
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.1	18.1
176	18.7	14.1	21.1





#75

Carbazole

Concen: 2.23 ng/ul

RT: 17.42 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

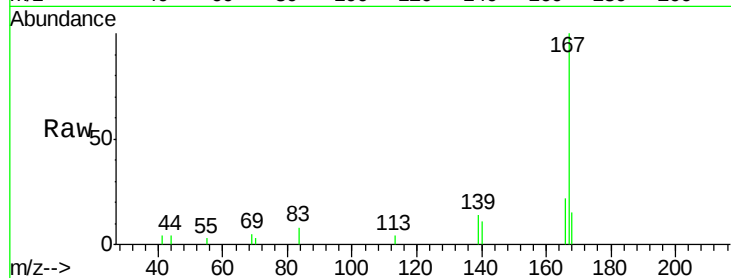
ClientSampleId :

C01M1

Tot Ion:	167	Resp:	14205
Ion Ratio	Lower	Upper	
167	100		
166	21.9	16.2	24.4
139	14.0	9.6	14.4

Manual Integrations
APPROVED

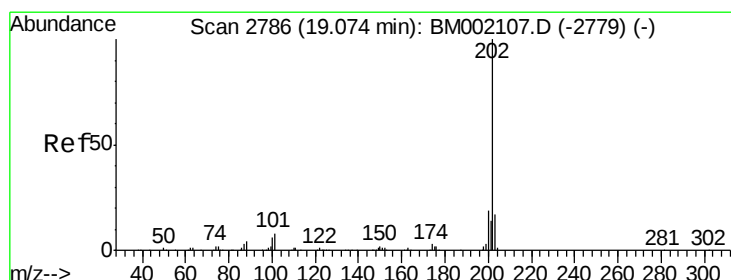
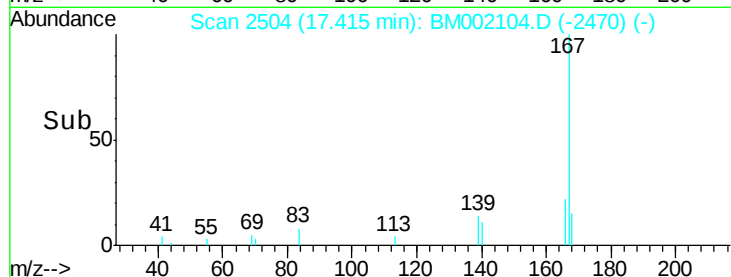
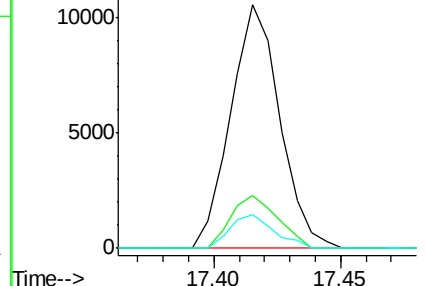
apatel
7/30/2015 7:47:43 AM



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: 31.09 ng/ul

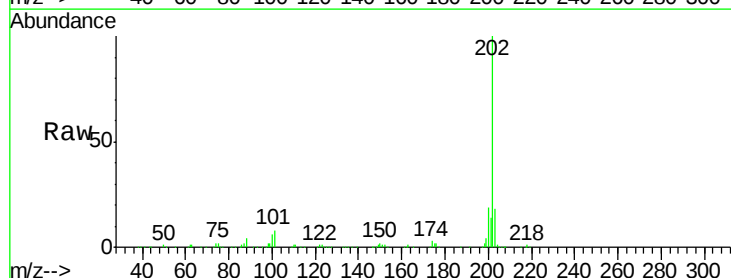
RT: 19.07 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

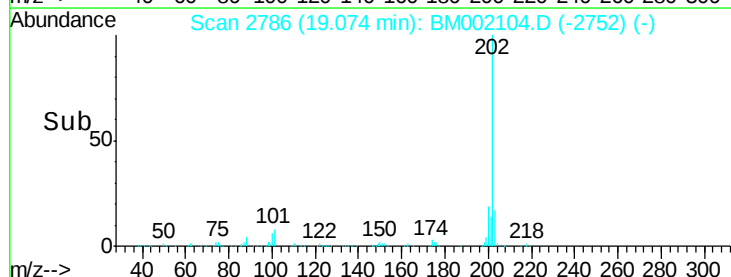
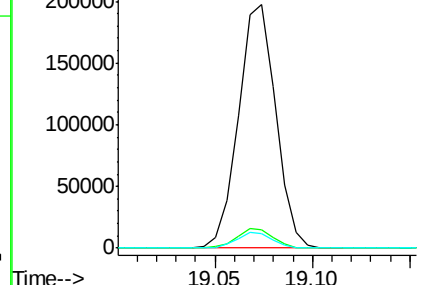
Tgt Ion:	202	Resp:	261664
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.2	9.4
100	6.1	5.2	7.8

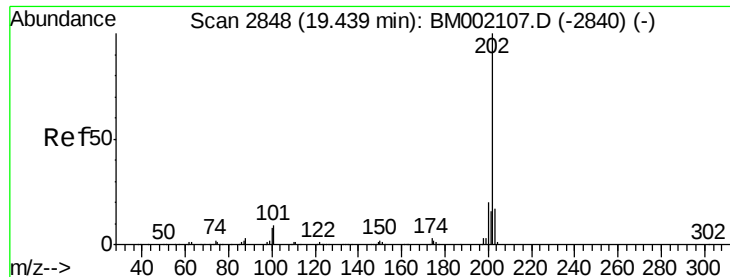


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





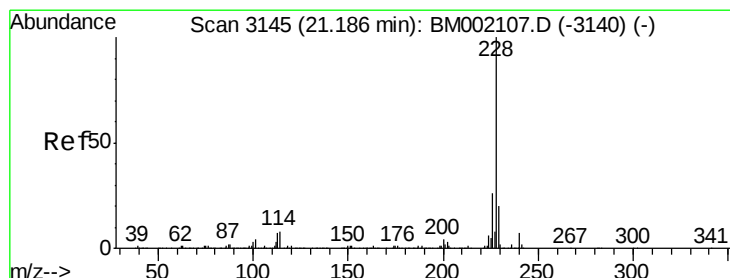
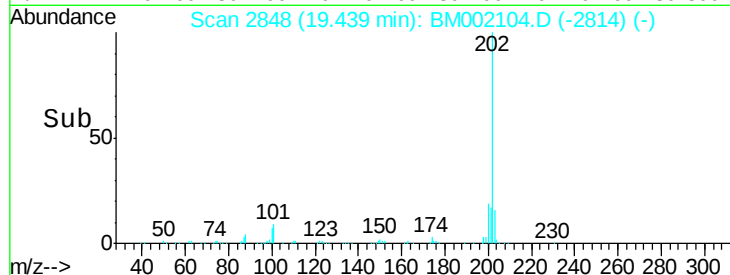
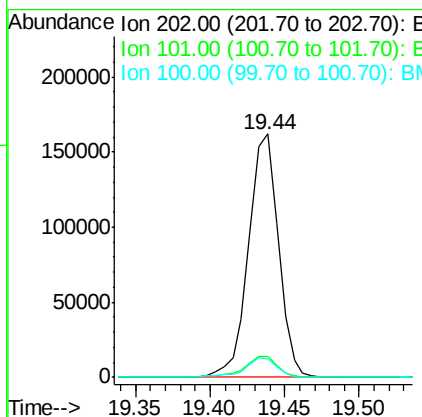
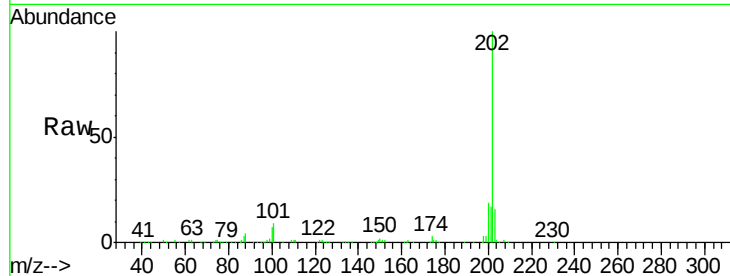
#80
Pvrene
Concen: 22.83 ng/ul
RT: 19.44 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Instrument :
BNA_M
ClientSampleId :
C01M1

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.8	7.4	11.2
100	7.3	6.3	9.5

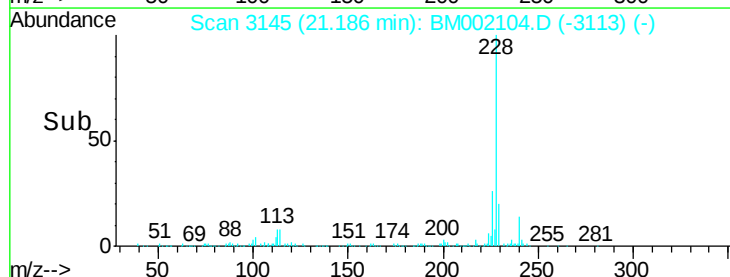
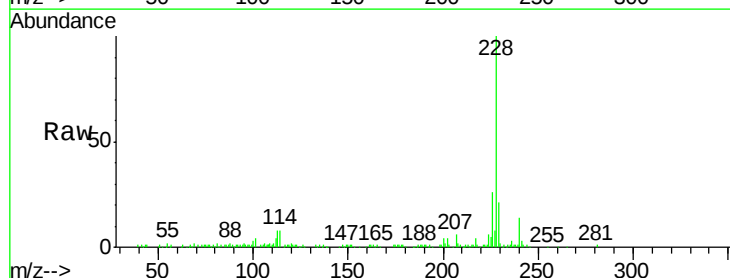
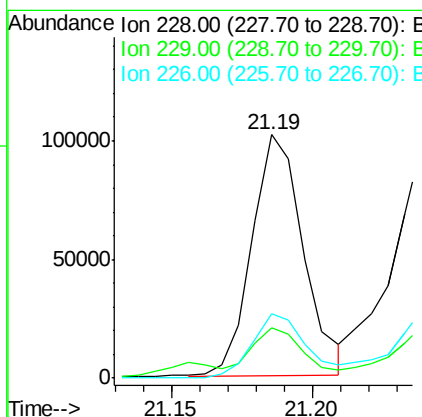
Manual Integrations
APPROVED

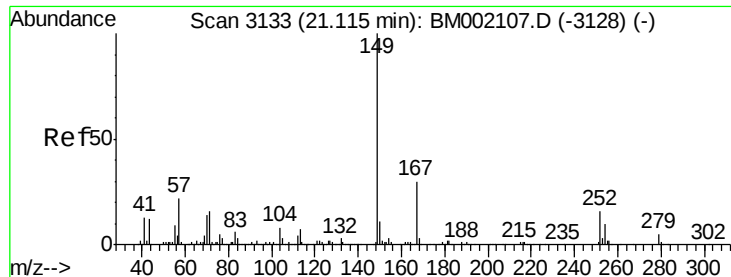
apatel
7/30/2015 7:47:43 AM



#83
Benzo(a)anthracene
Concen: 12.83 ng/ul
RT: 21.19 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	15.4	23.2
226	26.3	20.5	30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.93 ng/ul

RT: 21.12 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

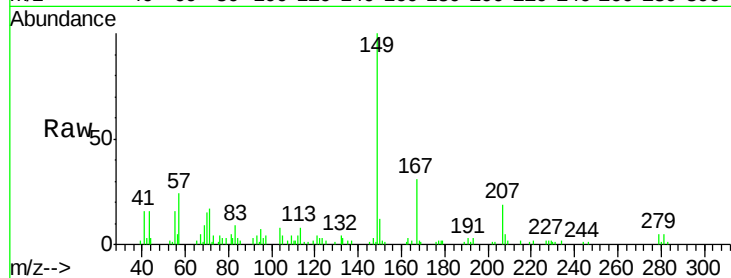
ClientSampled :

C01M1

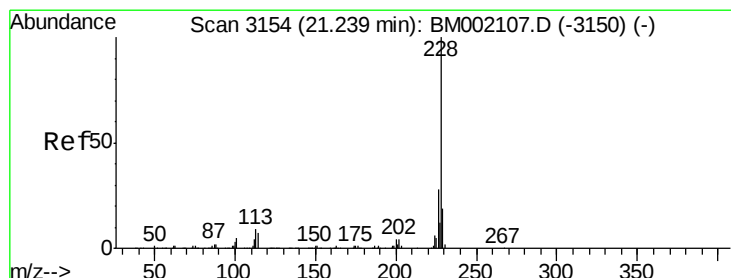
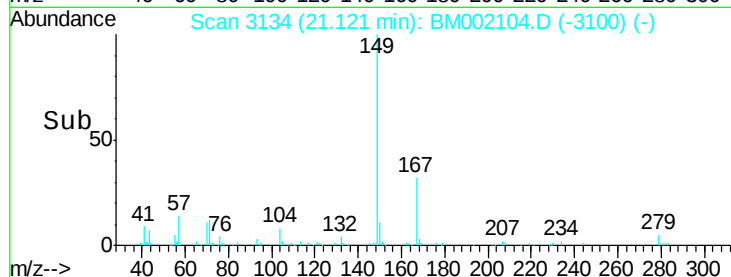
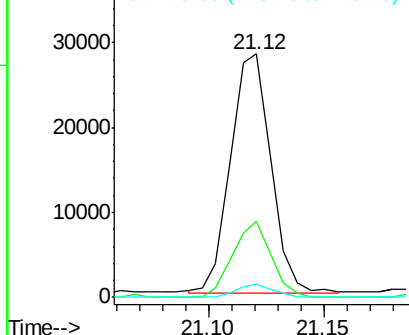
Tot Ion:	149	Resp:	34158
Ion Ratio	Lower	Upper	
149	100		
167	31.4	23.6	35.4
279	5.3	4.2	6.4

Manual Integrations
APPROVED

apatel
7/30/2015 7:47:43 AM



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: 14.61 ng/ul

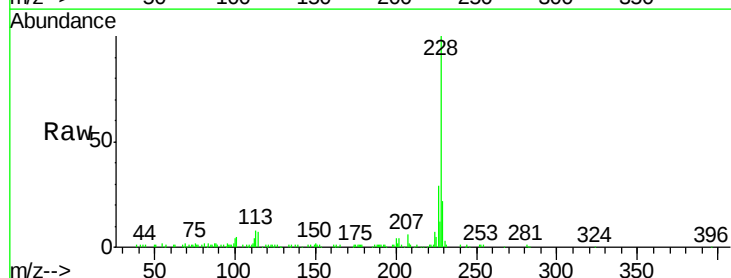
RT: 21.24 min Scan# 3154

Delta R.T. -0.01 min

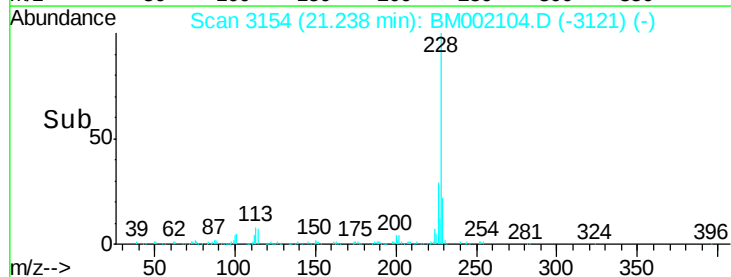
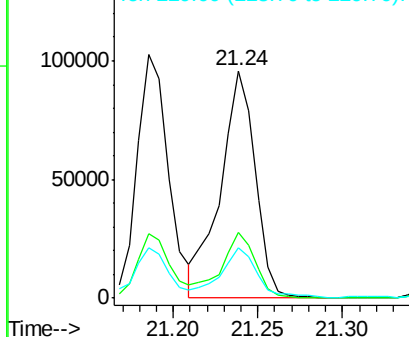
Lab File: BM002104.D

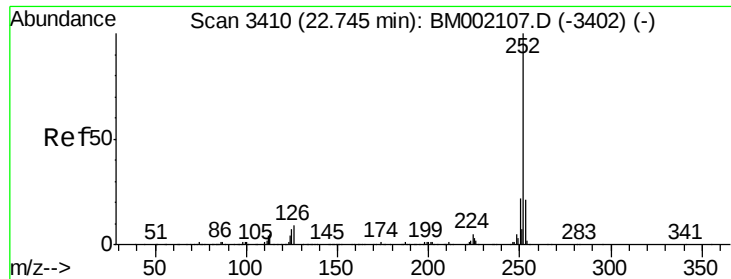
Acq: 28 Jul 2015 21:23

Tgt Ion:	228	Resp:	137185
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.3	33.5
229	22.1	15.5	23.3



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





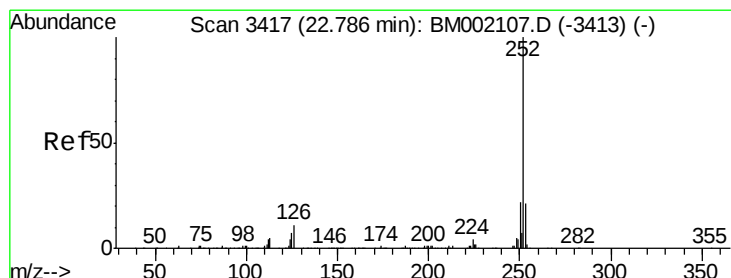
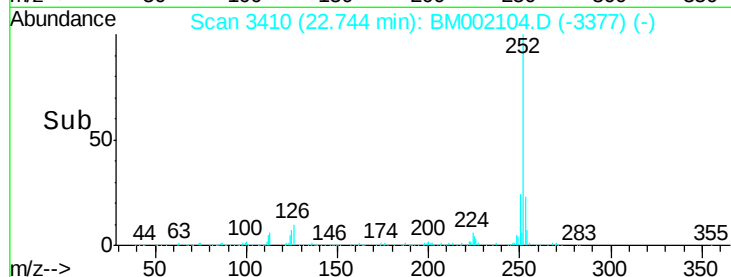
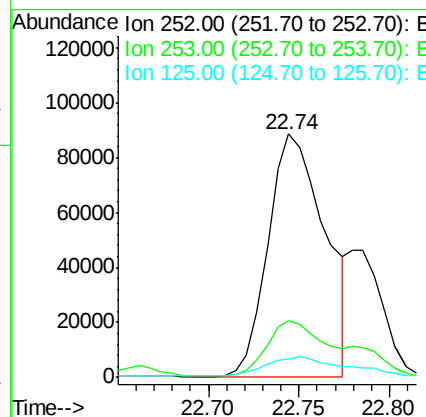
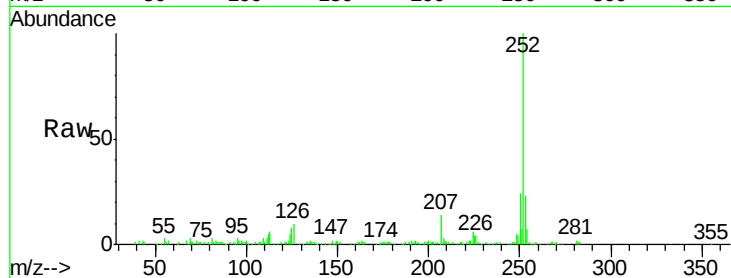
#88
Benzo(b)fluoranthene
Concen: 18.45 ng/ul
RT: 22.74 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Instrument :
BNA_M
ClientSampled :
C01M1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	16.9	25.3
125	7.7	6.2	9.2

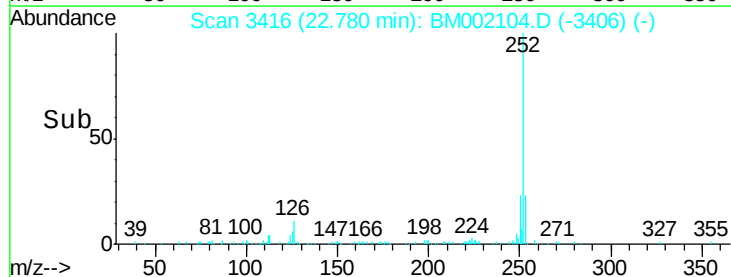
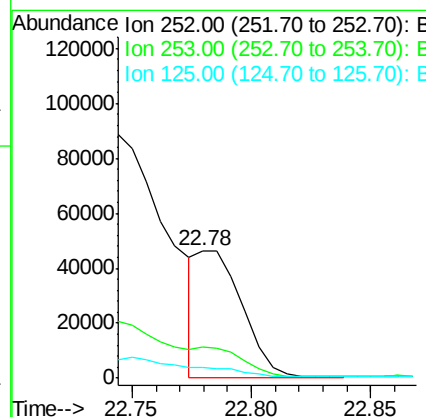
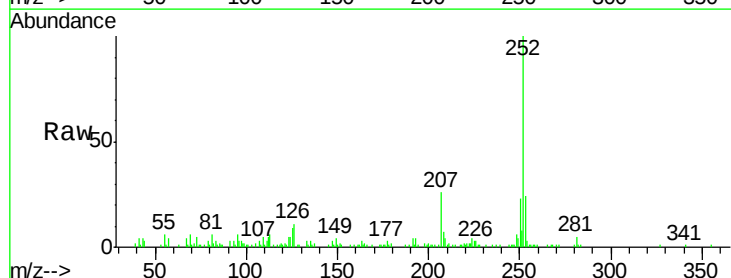
Manual Integrations
APPROVED

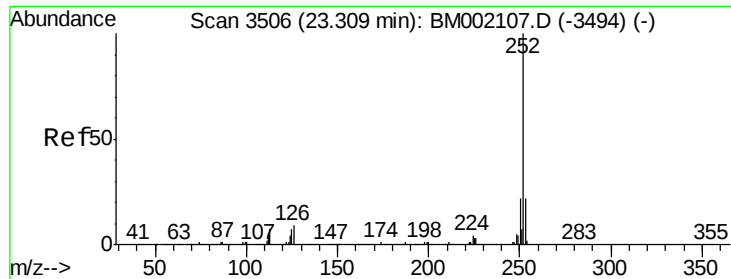
apatel
7/30/2015 7:47:43 AM



#89
Benzo(k)fluoranthene
Concen: 5.99 ng/ul m
RT: 22.78 min Scan# 3416
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	17.4	26.0
125	8.6	6.2	9.4





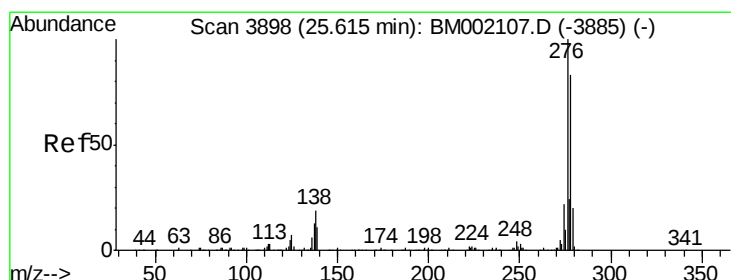
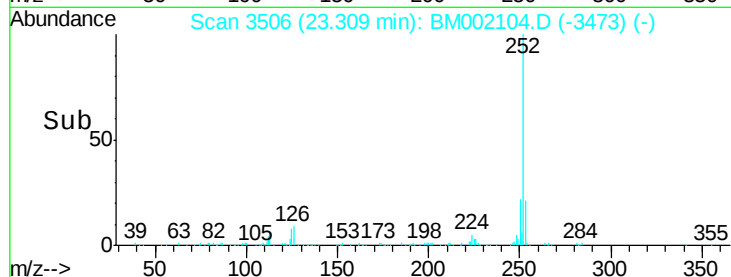
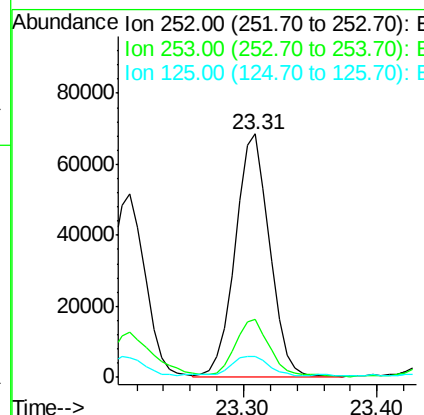
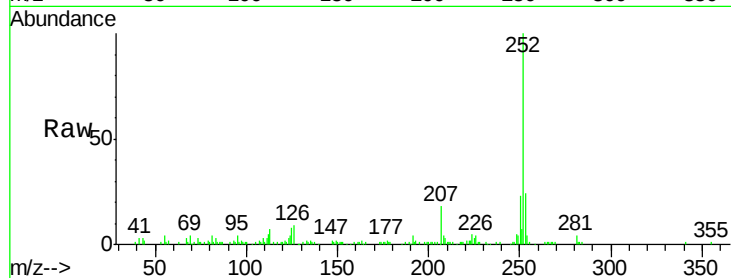
#91
Benzo(a)pyrene
Concen: 12.07 ng/ul
RT: 23.31 min Scan# 3506
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Instrument :
BNA_M
ClientSampleId :
C01M1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	17.2	25.8
125	8.4	6.6	10.0

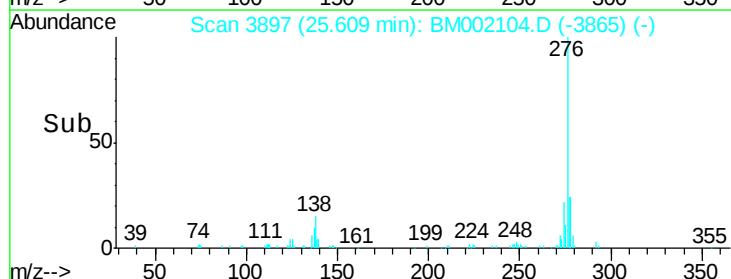
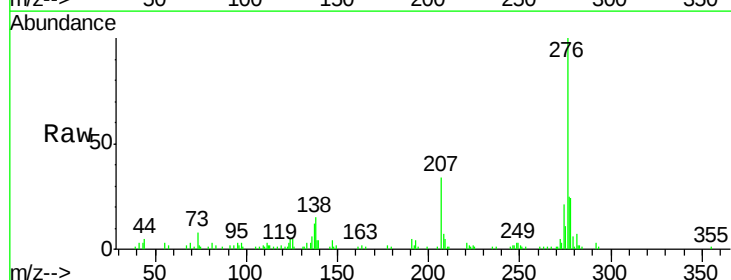
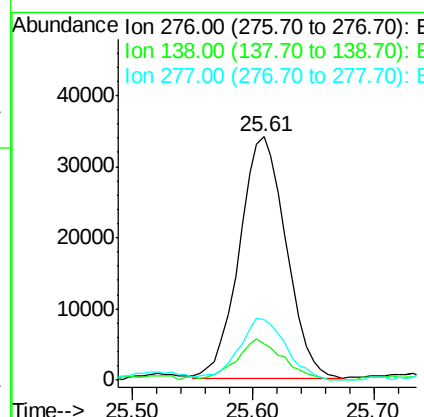
Manual Integrations
APPROVED

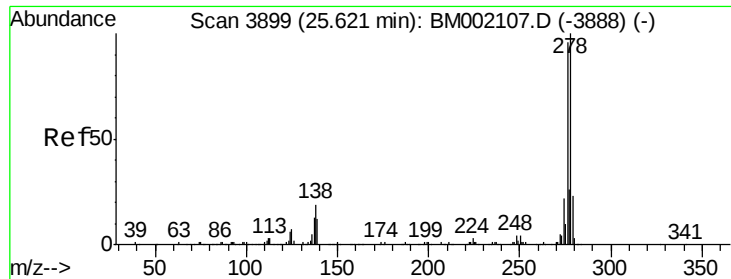
apatel
7/30/2015 7:47:43 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 7.79 ng/ul
RT: 25.61 min Scan# 3897
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	14.7	16.2	24.2#
277	25.1	19.8	29.8





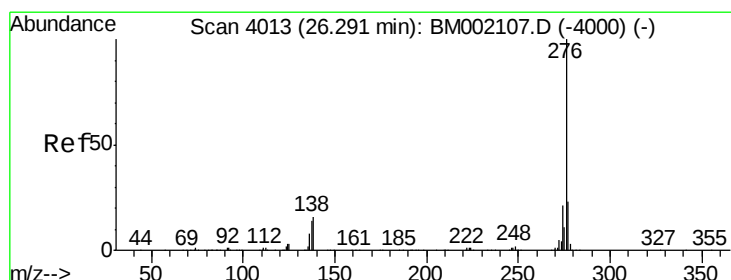
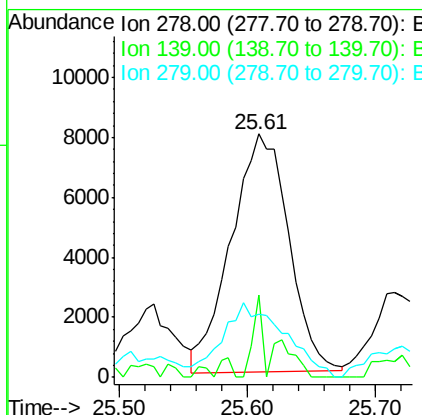
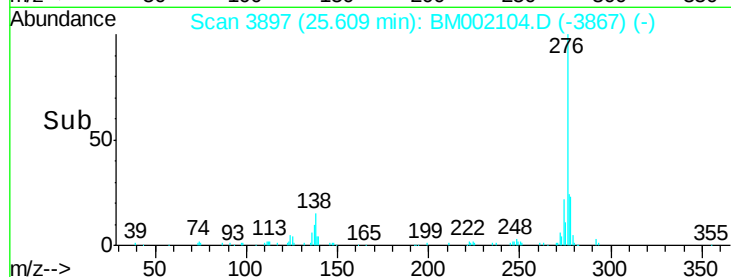
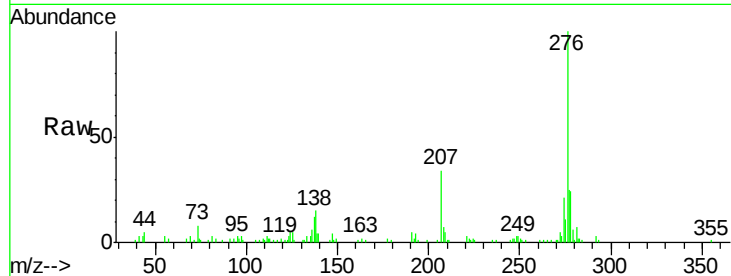
#93
Dibenzo(a,h)anthracene
Concen: 2.48 ng/ul m
RT: 25.61 min Scan# 3897
Delta R.T. -0.02 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Instrument :
BNA_M
ClientSampled :
C01M1

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.5	10.6	16.0#
279	25.7	18.5	27.7

Manual Integrations
APPROVED

apatel
7/30/2015 7:47:43 AM



#94
Benzo(g,h,i)perylene
Concen: 8.06 ng/ul
RT: 26.29 min Scan# 4013
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.8	20.6
277	22.0	18.2	27.2

