

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010516.D
 Acq On : 11 Jun 2017 09:34
 Operator : SJ/MA
 Sample : I3522-16
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B17

Manual Integrations
 APPROVED

mohammad
 6/12/2017 3:41:31 PM

Quant Time: Jun 12 09:43:54 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 09:00:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	234804	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	841785	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	582636	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	1476569	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	2226235	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	2195923	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	16403	2.87	ng/uL	0.00
5) Phenol-d5	7.07	99	315786	17.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	178429	17.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	284593	20.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	249805	17.40	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	135219	21.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	167615	23.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	352255	24.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	307955	21.75	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	1207739	24.95	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1315601	23.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	119760	16.54	ng/ul	0.00
57) Fluorene-d10	15.52	176	1026409	24.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	193487	18.50	ng/ul	0.00
70) Anthracene-d10	17.37	188	1768755	24.62	ng/ul	0.00
76) Pyrene-d10	19.67	212	2305366	25.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	2491866	24.37	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.10	94	28421	1.558	ng/ul#	79
44) Dimethylphthalate	13.99	163	609459	12.802	ng/ul	97
47) Acenaphthylene	14.26	152	164804	2.986	ng/ul	98
69) Phenanthrene	17.32	178	161427	2.048	ng/ul	97
71) Anthracene	17.41	178	318774	3.874	ng/ul	99
72) Carbazole	17.70	167	89342	1.283	ng/ul#	97
74) Fluoranthene	19.33	202	2322983	23.964	ng/ul#	95
77) Pyrene	19.70	202	3101665	27.037	ng/ul#	93
80) Benzo(a)anthracene	21.43	228	2842984	22.646	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.31	149	180130	3.053	ng/ul	98
82) Chrysene	21.48	228	1730998	15.253	ng/ul	94
85) Benzo(b)fluoranthene	23.07	252	6584005	51.527	ng/ul	100
86) Benzo(k)fluoranthene	23.11	252	2131942m	17.465	ng/ul	
88) Benzo(a)pyrene	23.69	252	2921104m	23.063	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.17	276	1762912	11.017	ng/ul	98
90) Dibenzo(a,h)anthracene	26.16	278	515988	3.744	ng/ul#	92
91) Benzo(g,h,i)perylene	26.90	276	1186501	9.000	ng/ul	97

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

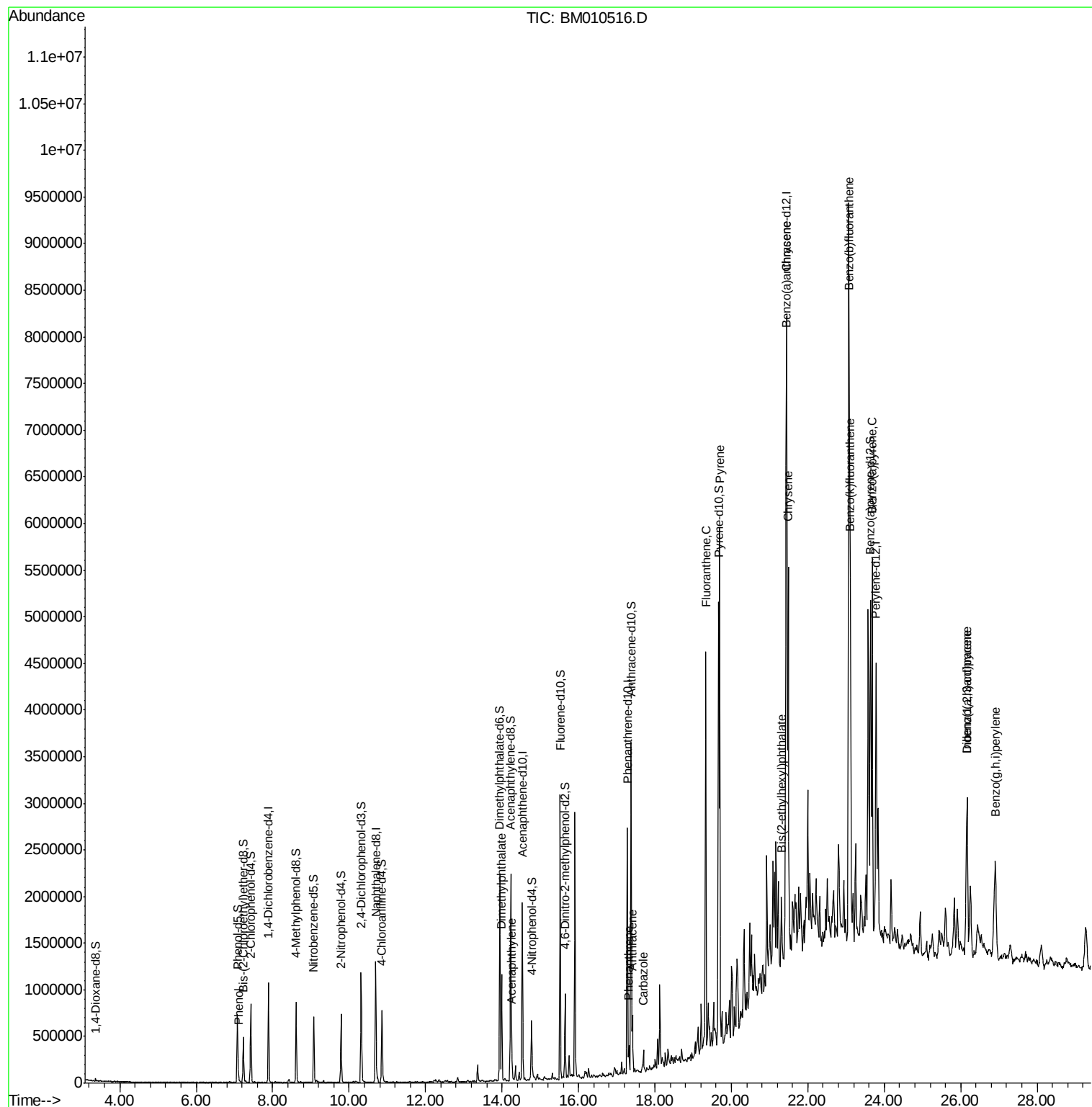
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010516.D
Acq On : 11 Jun 2017 09:34
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 41 Sample Multiplier: 1

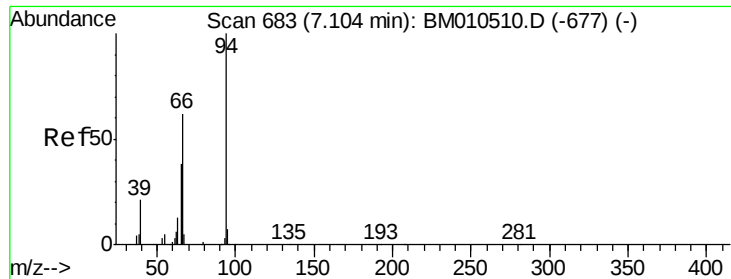
Instrument :
BNA_M
ClientSampled :
F5B17

Quant Time: Jun 12 09:43:54 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 12 09:00:46 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM





#6

Phenol

Concen: 1.558 ng/ul

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

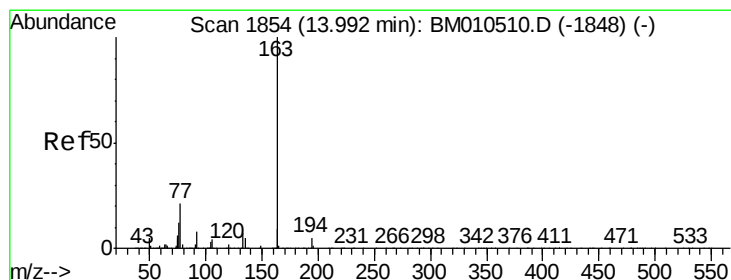
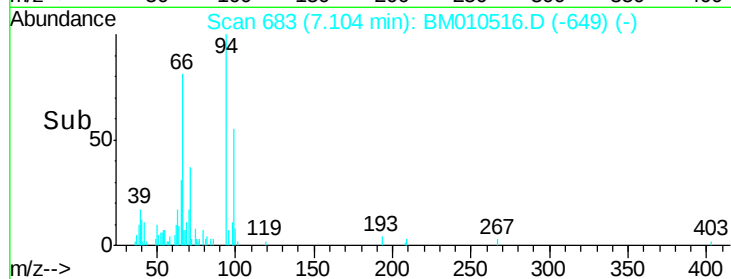
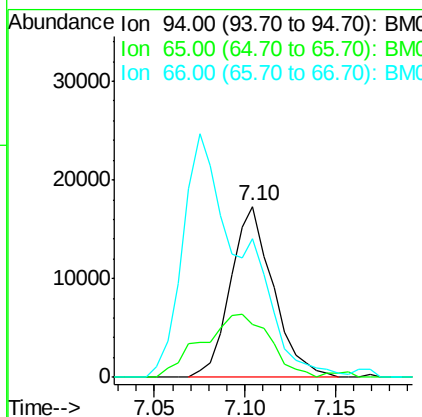
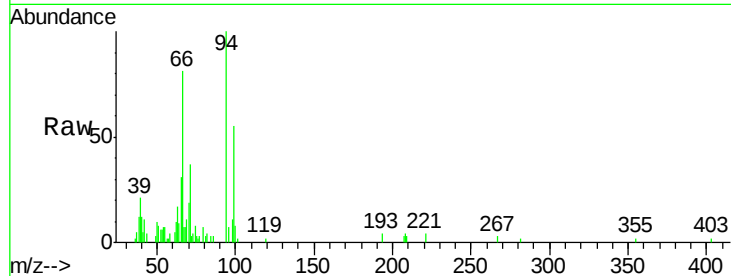
ClientSampleId :

F5B17

Tgt Ion:	94	Resp:	28421
Ion Ratio	Lower	Upper	
94	100		
65	30.8	28.2	42.4
66	80.8	47.2	70.8#

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM



#44

Dimethylphthalate

Concen: 12.802 ng/ul

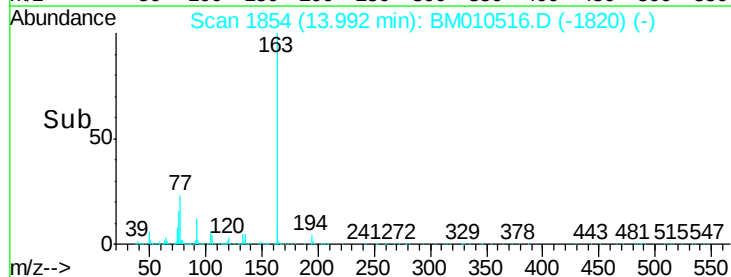
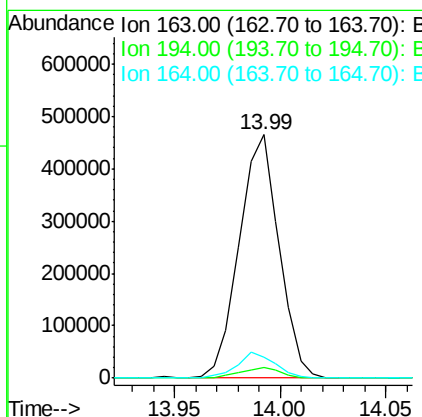
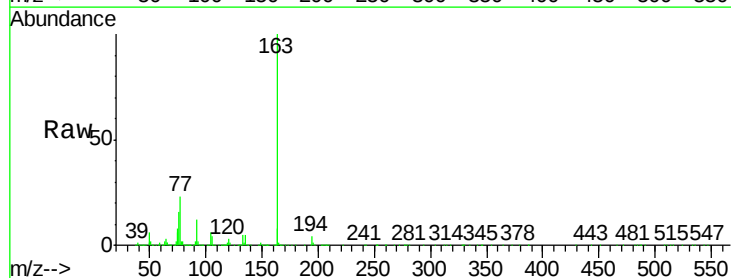
RT: 13.99 min Scan# 1854

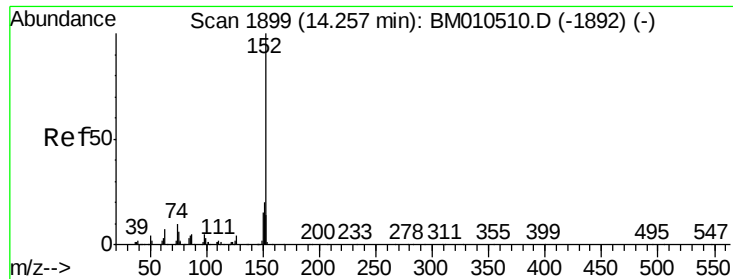
Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Tgt Ion:	163	Resp:	609459
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	8.5	8.2	12.4





#47

Acenaphthylene

Concen: 2.986 ng/ul

RT: 14.26 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

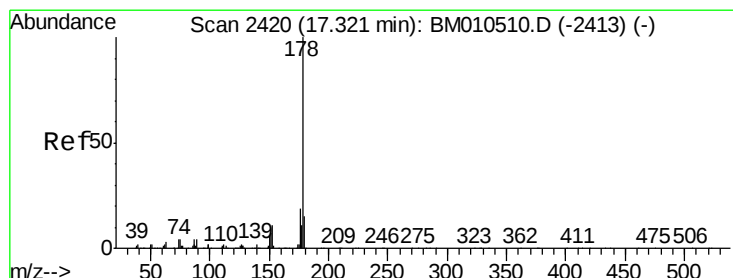
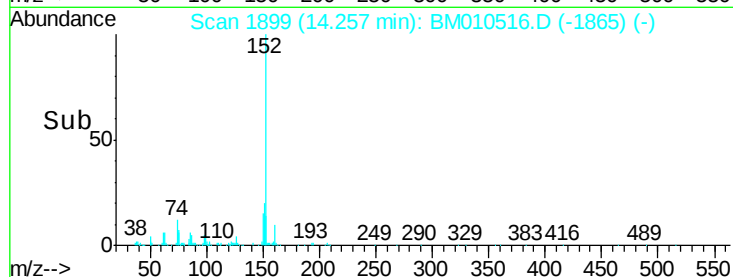
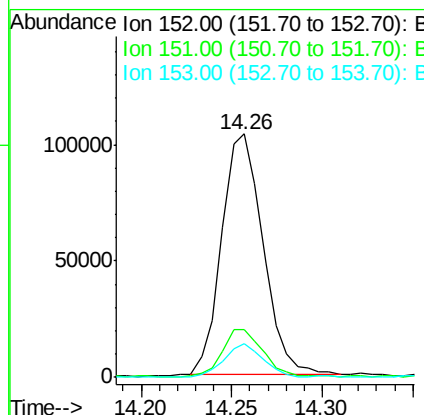
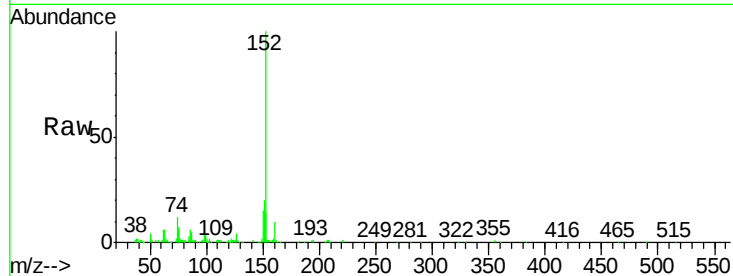
ClientSampleId :

F5B17

Tgt Ion:	152	Resp:	164804
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	13.7	10.2	15.4

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM



#69

Phenanthrene

Concen: 2.048 ng/ul

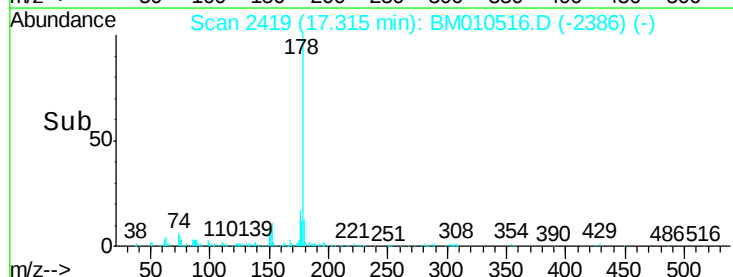
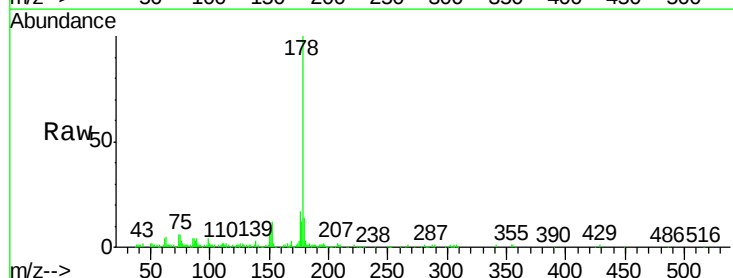
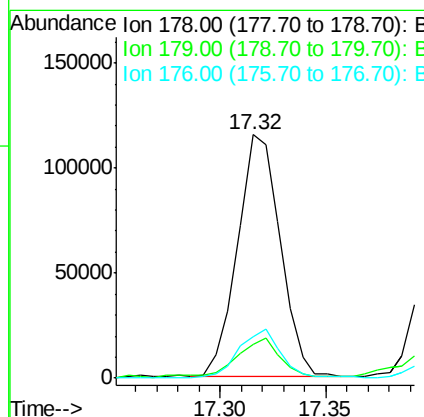
RT: 17.32 min Scan# 2419

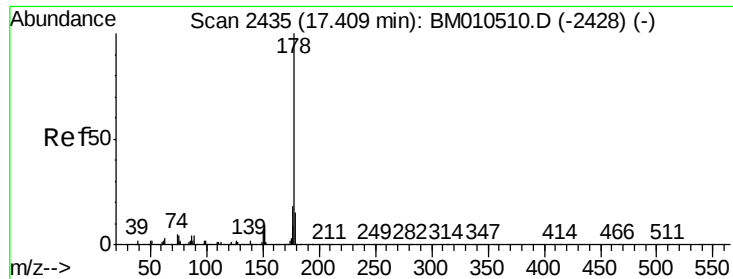
Delta R.T. -0.01 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Tgt Ion:	178	Resp:	161427
Ion Ratio	Lower	Upper	
178	100		
179	14.1	12.6	19.0
176	17.3	14.9	22.3





#71

Anthracene

Concen: 3.874 ng/ul

RT: 17.41 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

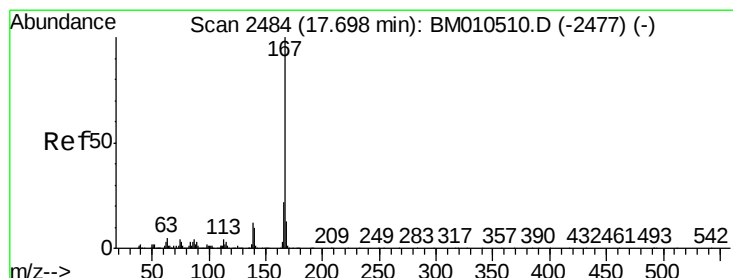
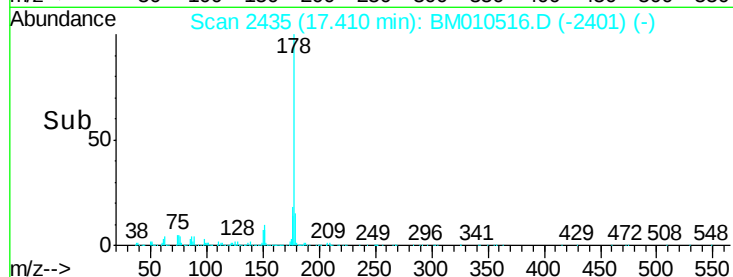
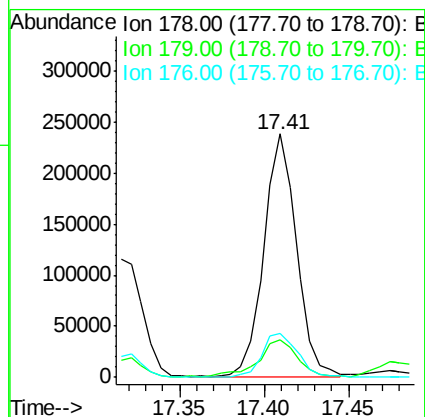
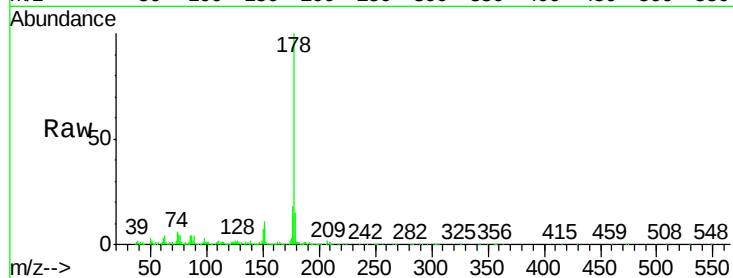
ClientSampleId :

F5B17

Tgt Ion:	178	Resp:	318774
Ion Ratio	Lower	Upper	
178	100		
179	15.4	11.7	17.5
176	17.8	14.6	21.8

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM



#72

Carbazole

Concen: 1.283 ng/ul

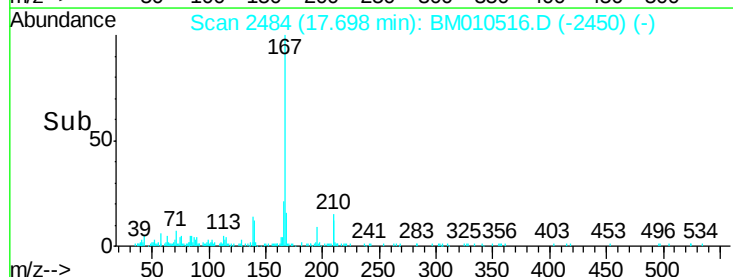
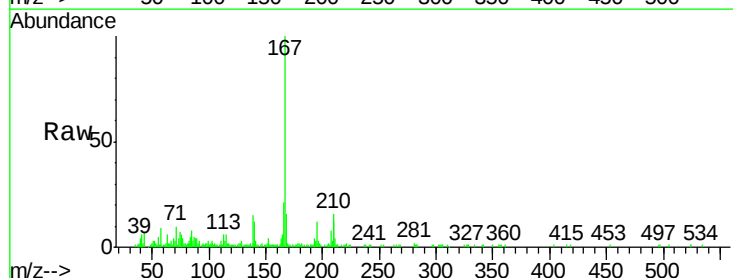
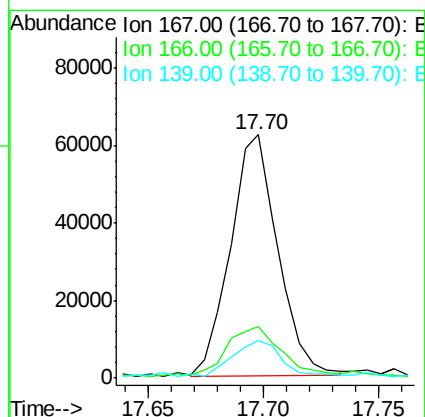
RT: 17.70 min Scan# 2484

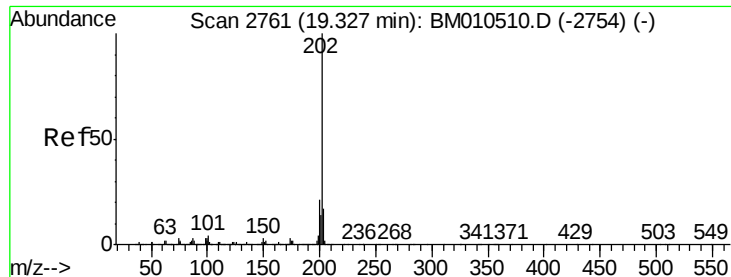
Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Tgt Ion:	167	Resp:	89342
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.1	25.7
139	15.3	10.0	15.0#





#74

Fluoranthene

Concen: 23.964 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

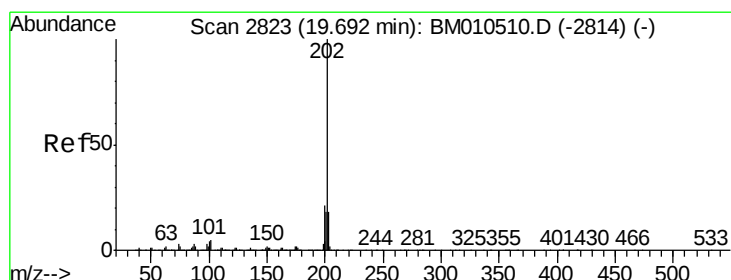
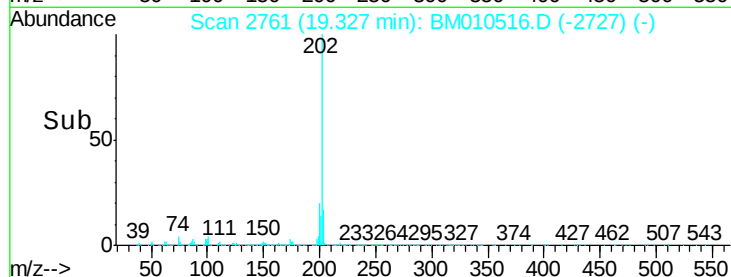
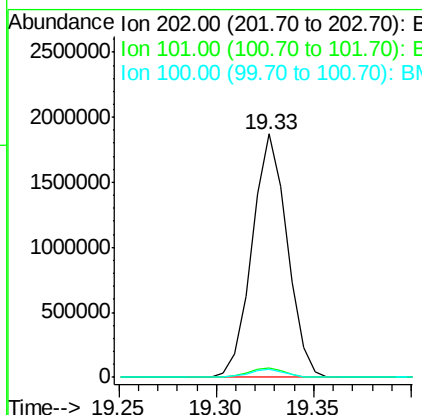
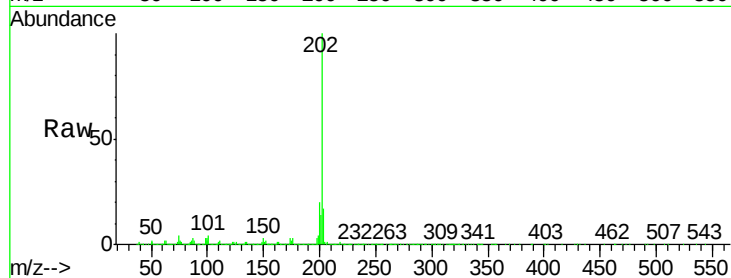
ClientSampleId :

F5B17

Tgt	Ion	202	Resp	2322983
Ion	Ratio	Lower	Upper	
202	100			
101	3.9	4.6	7.0#	
100	3.2	3.4	5.2#	

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM



#77

Pyrene

Concen: 27.037 ng/ul

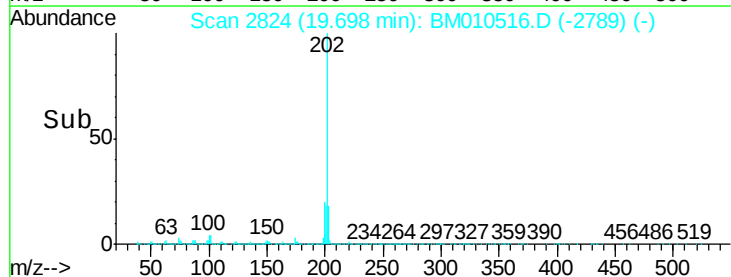
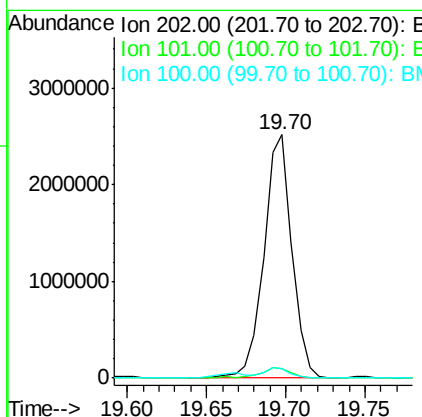
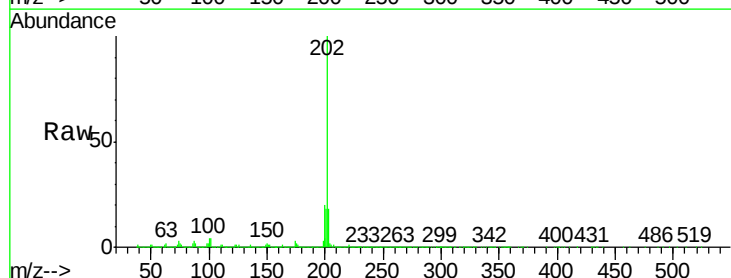
RT: 19.70 min Scan# 2824

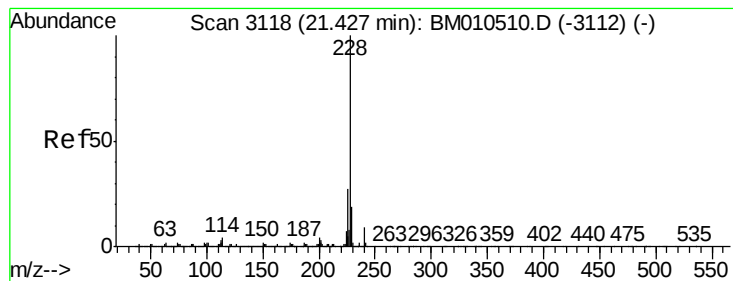
Delta R.T. 0.01 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Tgt	Ion	202	Resp	3101665
Ion	Ratio	Lower	Upper	
202	100			
101	4.0	5.1	7.7#	
100	4.0	4.9	7.3#	





#80

Benzo(a)anthracene

Concen: 22.646 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

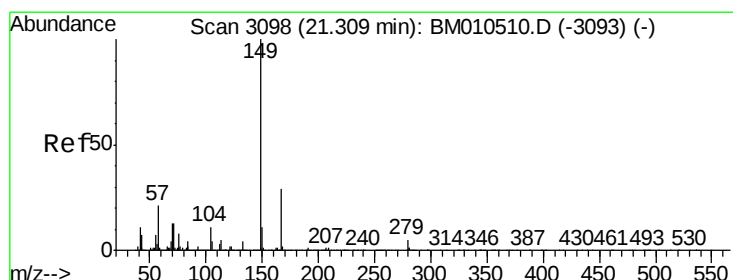
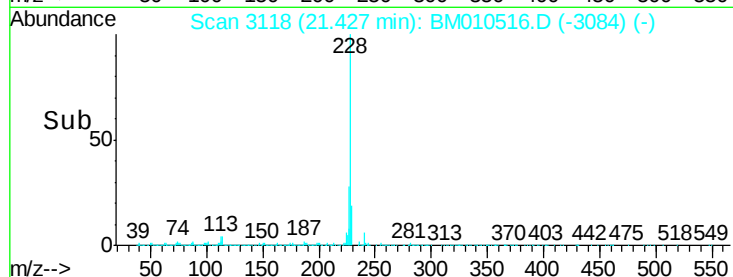
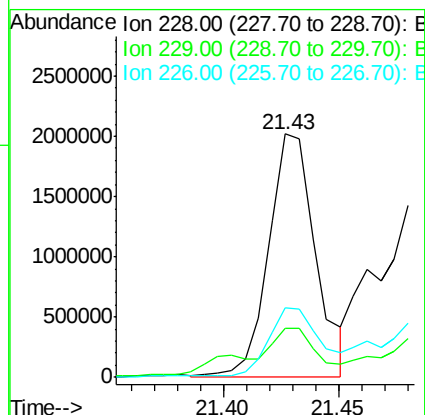
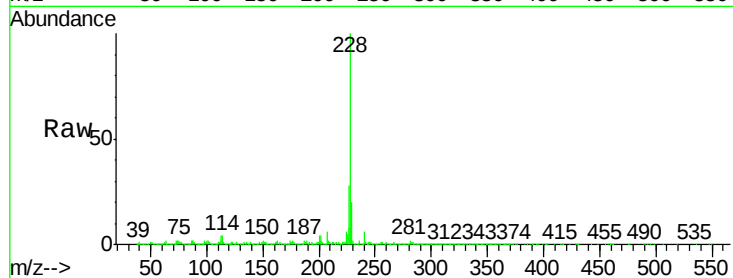
ClientSampled :

F5B17

Tgt Ion:	228	Resp:	2842984
Ion Ratio	Lower	Upper	
228	100		
229	19.9	15.4	23.0
226	28.3	21.4	32.0

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:31 PM



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.053 ng/ul

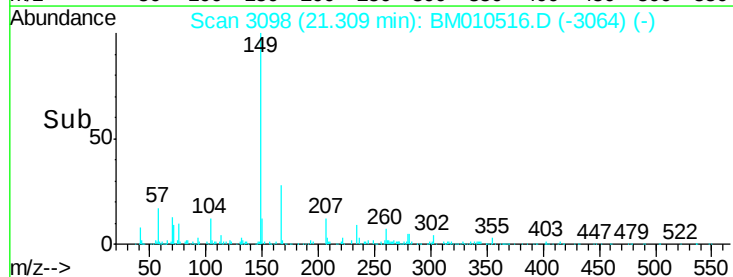
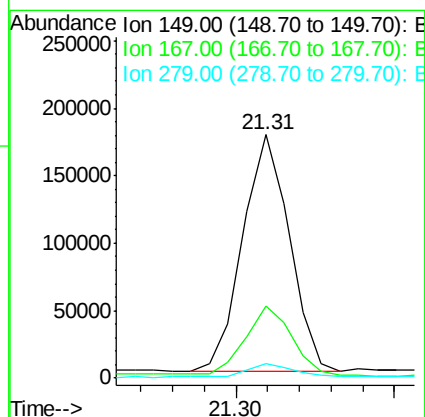
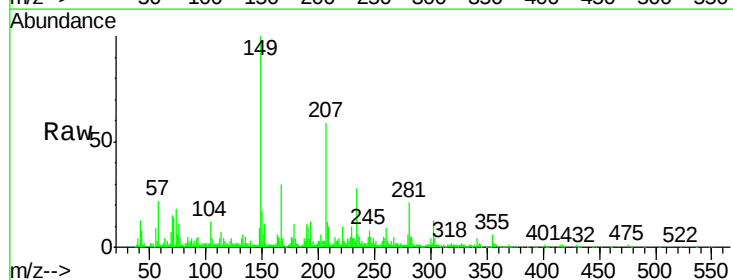
RT: 21.31 min Scan# 3098

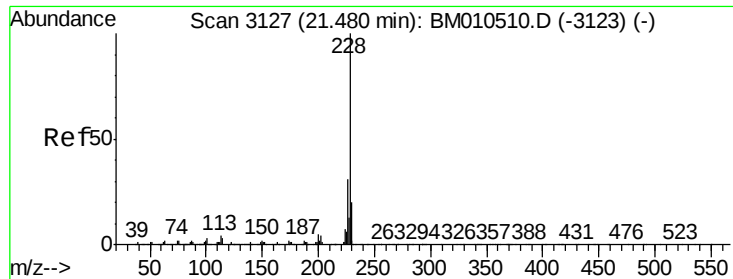
Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Tgt Ion:	149	Resp:	180130
Ion Ratio	Lower	Upper	
149	100		
167	29.6	22.8	34.2
279	6.2	4.9	7.3





#82

Chrysene

Concen: 15.253 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

Instrument :

BNA_M

ClientSampled :

F5B17

Tgt Ion:228 Resp: 1730998

Ion Ratio Lower Upper

228 100

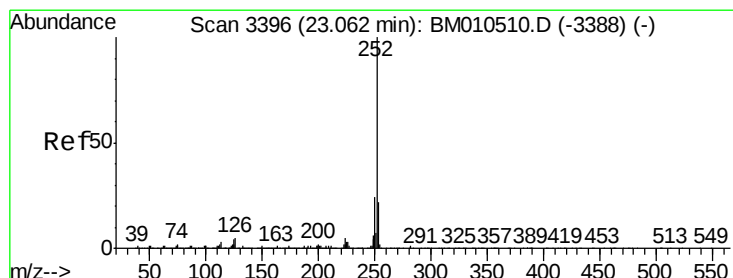
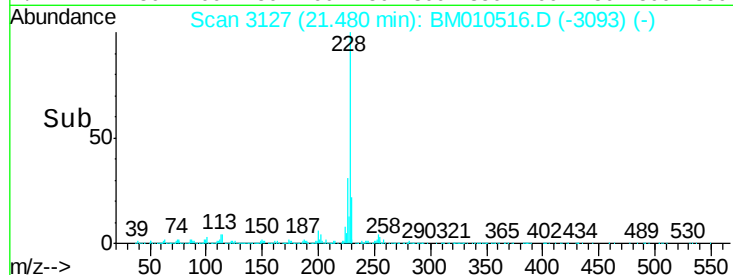
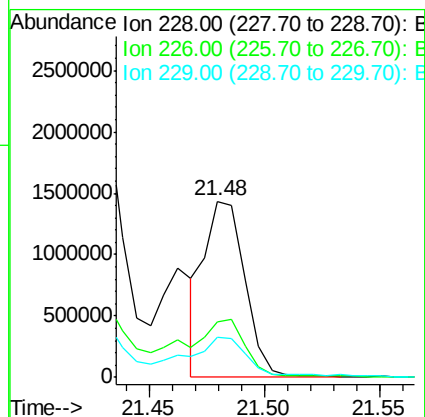
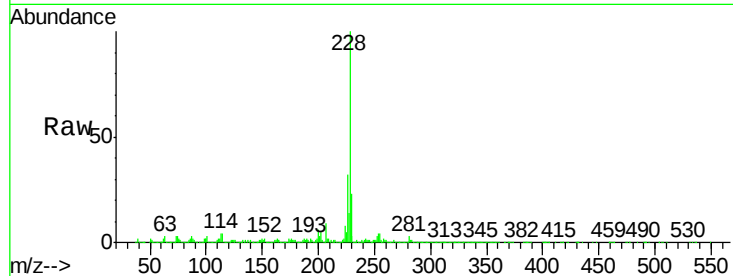
226 31.7 23.4 35.2

229 22.7 15.5 23.3

Manual Integrations
APPROVED

mohammad

6/12/2017 3:41:31 PM



#85

Benzo(b)fluoranthene

Concen: 51.527 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM010516.D

Acq: 11 Jun 2017 09:34

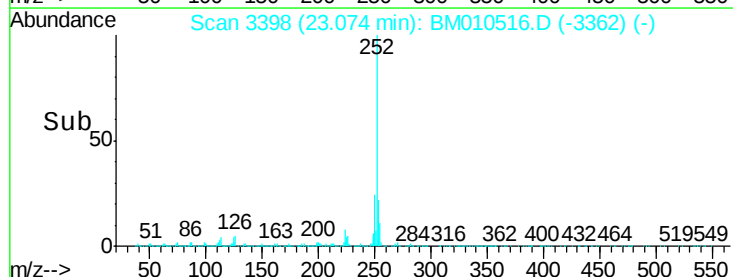
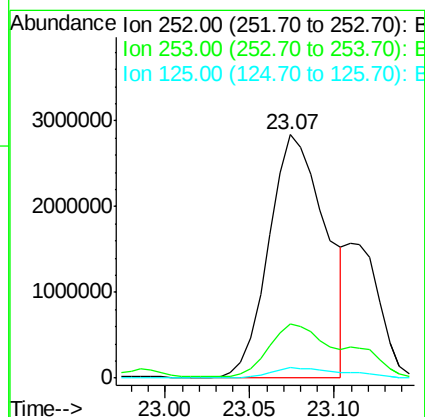
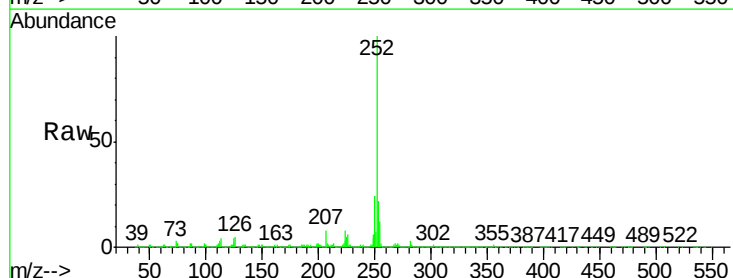
Tgt Ion:252 Resp: 6584005

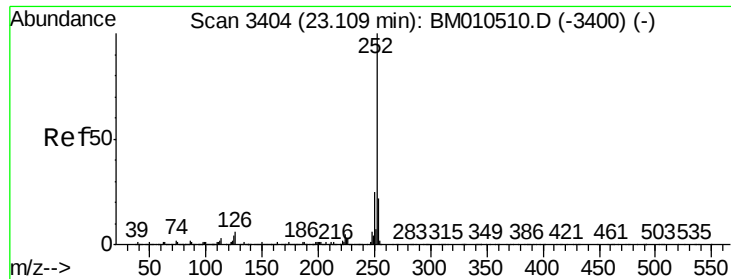
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 4.4 3.6 5.4





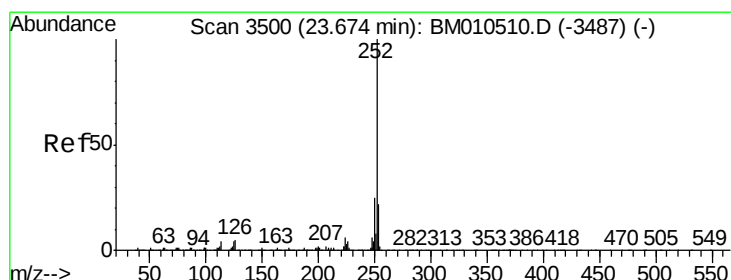
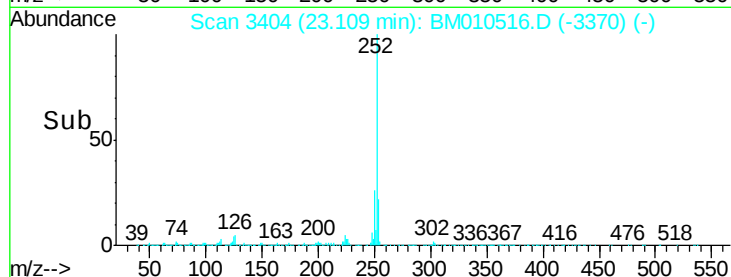
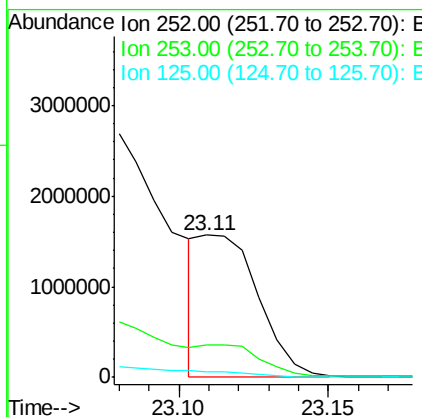
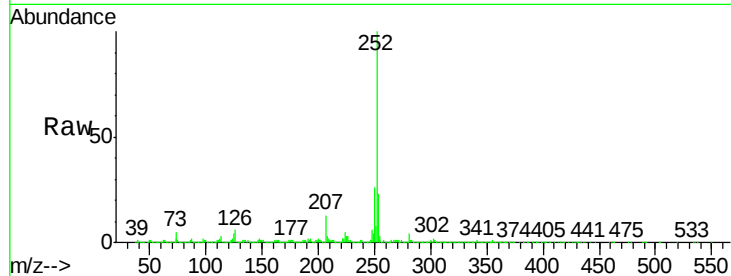
#86
Benzo(k)fluoranthene
Concen: 17.465 ng/ul m
RT: 23.11 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Instrument :
BNA_M
ClientSampleId :
F5B17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	4.0	3.4	5.2

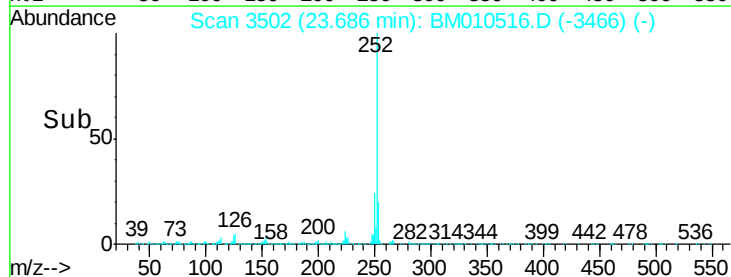
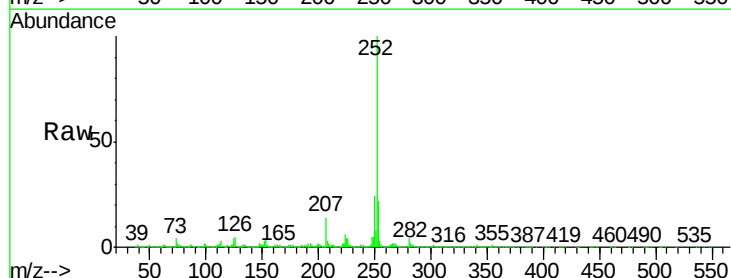
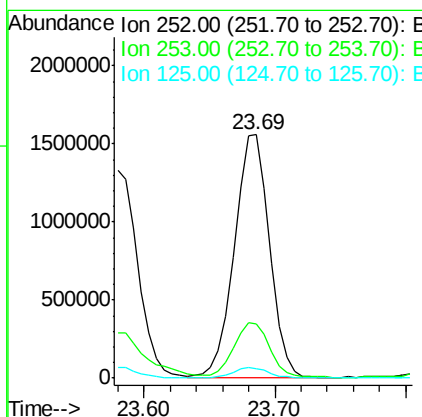
Manual Integrations
APPROVED

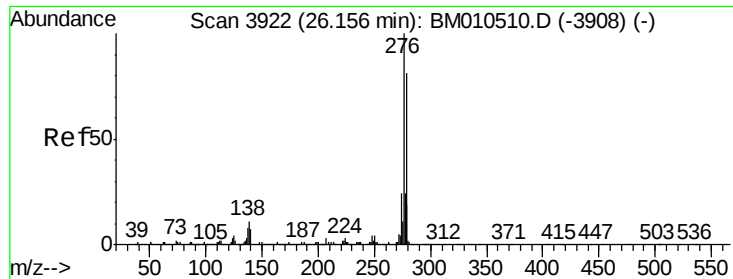
mohammad
6/12/2017 3:41:31 PM



#88
Benzo(a)pyrene
Concen: 23.063 ng/ul m
RT: 23.69 min Scan# 3502
Delta R.T. 0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	4.0	4.0	6.0





#89

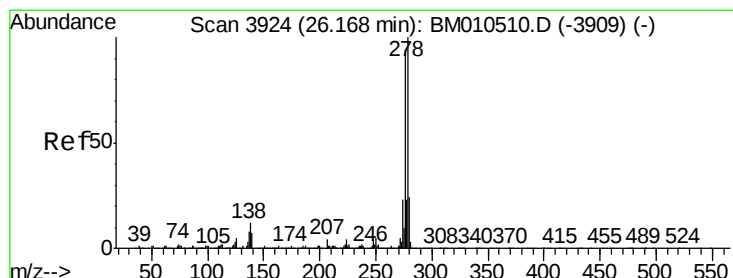
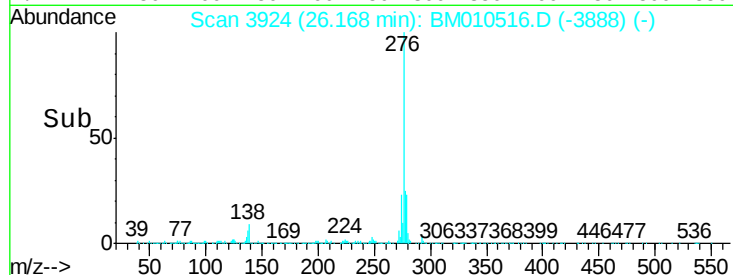
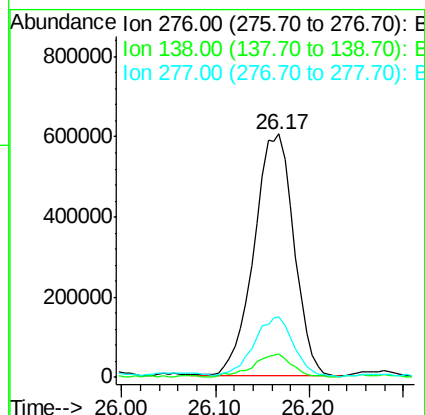
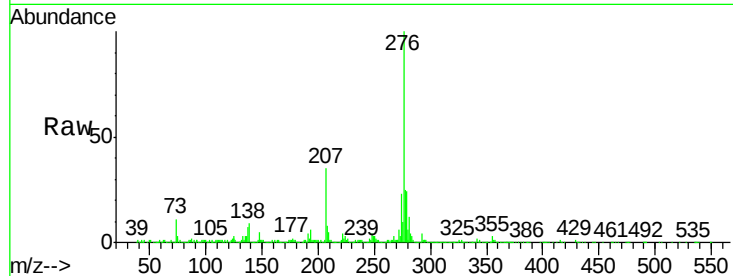
Indeno(1,2,3-cd)pyrene
Concen: 11.017 ng/ul
RT: 26.17 min Scan# 3924
Delta R.T. 0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Instrument :
BNA_M
ClientSampleId :
F5B17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.5	9.3	13.9
277	25.1	19.9	29.9

Manual Integrations
APPROVED

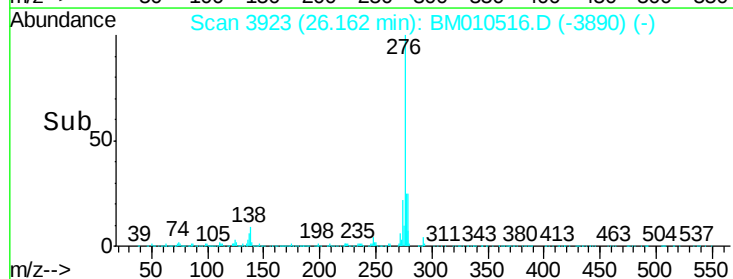
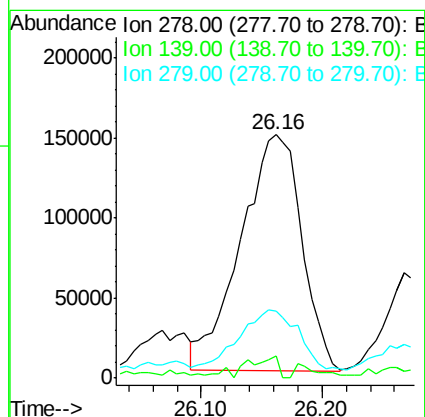
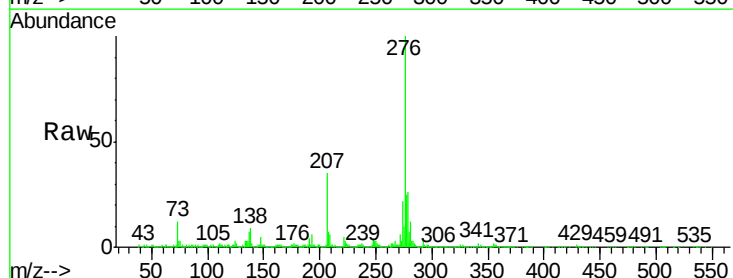
mohammad
6/12/2017 3:41:31 PM

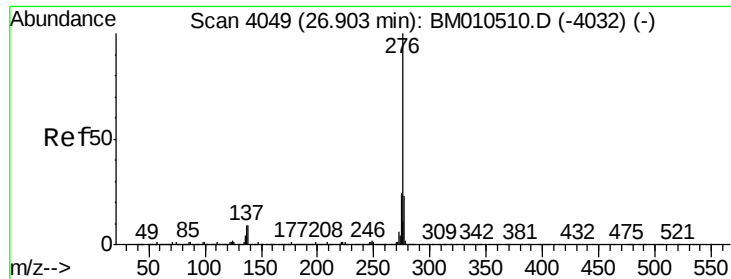


#90

Dibenzo(a,h)anthracene
Concen: 3.744 ng/ul
RT: 26.16 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.4	5.8	8.8#
279	27.5	18.6	27.8





#91
 Benzo(g,h,i)perylene
 Concen: 9.000 ng/ul
 RT: 26.90 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: BM010516.D
 Acq: 11 Jun 2017 09:34

Instrument :
 BNA_M
 ClientSampleId :
 F5B17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.7	8.5	12.7
277	22.1	18.6	28.0

Manual Integrations
 APPROVED

mohammad
 6/12/2017 3:41:31 PM

