

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010517.D
 Acq On : 11 Jun 2017 10:10
 Operator : SJ/MA
 Sample : I3558-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C63

Manual Integrations
 APPROVED

mohammad
 6/12/2017 3:41:24 PM

Quant Time: Jun 12 09:49:30 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	167510	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	616482	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	422151	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1069977	20.00	ng/ul	0.01
75) Chrysene-d12	21.45	240	1755123	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	1481219	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	10876	2.66	ng/uL	0.00
5) Phenol-d5	7.07	99	215643	16.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	124201	17.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	191459	18.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	177914	17.37	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	97823	21.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	115274	22.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	243606	22.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	320406m	30.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	841171	23.98	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	916506	22.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	94429	17.99	ng/ul	0.00
57) Fluorene-d10	15.53	176	712576	23.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	112116	14.79	ng/ul	0.02
70) Anthracene-d10	17.39	188	1283857	24.66	ng/ul	0.02
76) Pyrene-d10	19.67	212	1857710	25.60	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.64	264	1518349	22.02	ng/ul	0.01

Target Compounds

					Qvalue
28) Naphthalene	10.75	128	25939201m	838.884	ng/ul
34) 2-Methylnaphthalene	12.36	142	15110784	644.551	ng/ul 92
40) 1,1'-Biphenyl	13.36	154	3938753	115.013	ng/ul 99
44) Dimethylphthalate	13.99	163	361096	10.468	ng/ul 98
47) Acenaphthylene	14.26	152	587596	14.695	ng/ul# 93
49) Acenaphthene	14.60	153	15759051	561.964	ng/ul# 77
53) Dibenzofuran	14.93	168	15942700m	384.471	ng/ul
58) Fluorene	15.59	166	17194006m	505.496	ng/ul
69) Phenanthrene	17.32	178	32120745m	562.329	ng/ul
71) Anthracene	17.43	178	14856732m	249.140	ng/ul
72) Carbazole	17.70	167	4190767	83.029	ng/ul 98
74) Fluoranthene	19.33	202	25284800m	359.964	ng/ul
77) Pyrene	19.70	202	23540884m	260.285	ng/ul
80) Benzo(a)anthracene	21.43	228	14163360	143.102	ng/ul# 75
82) Chrysene	21.49	228	12750852	142.516	ng/ul# 82
85) Benzo(b)fluoranthene	23.08	252	11309164	131.213	ng/ul 99
86) Benzo(k)fluoranthene	23.12	252	3560433m	43.242	ng/ul
88) Benzo(a)pyrene	23.69	252	7201643	84.296	ng/ul 99
89) Indeno(1,2,3-cd)pyrene	26.17	276	2903503	26.900	ng/ul# 97
90) Dibenzo(a,h)anthracene	26.17	278	866387	9.320	ng/ul# 93
91) Benzo(g,h,i)perylene	26.91	276	2227200	25.047	ng/ul 96

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010517.D
Acq On : 11 Jun 2017 10:10
Operator : SJ/MA
Sample : I3558-09
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C63

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:24 PM

Quant Time: Jun 12 09:49:30 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)
--------------------	------	------	----------	------	-------	----------

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

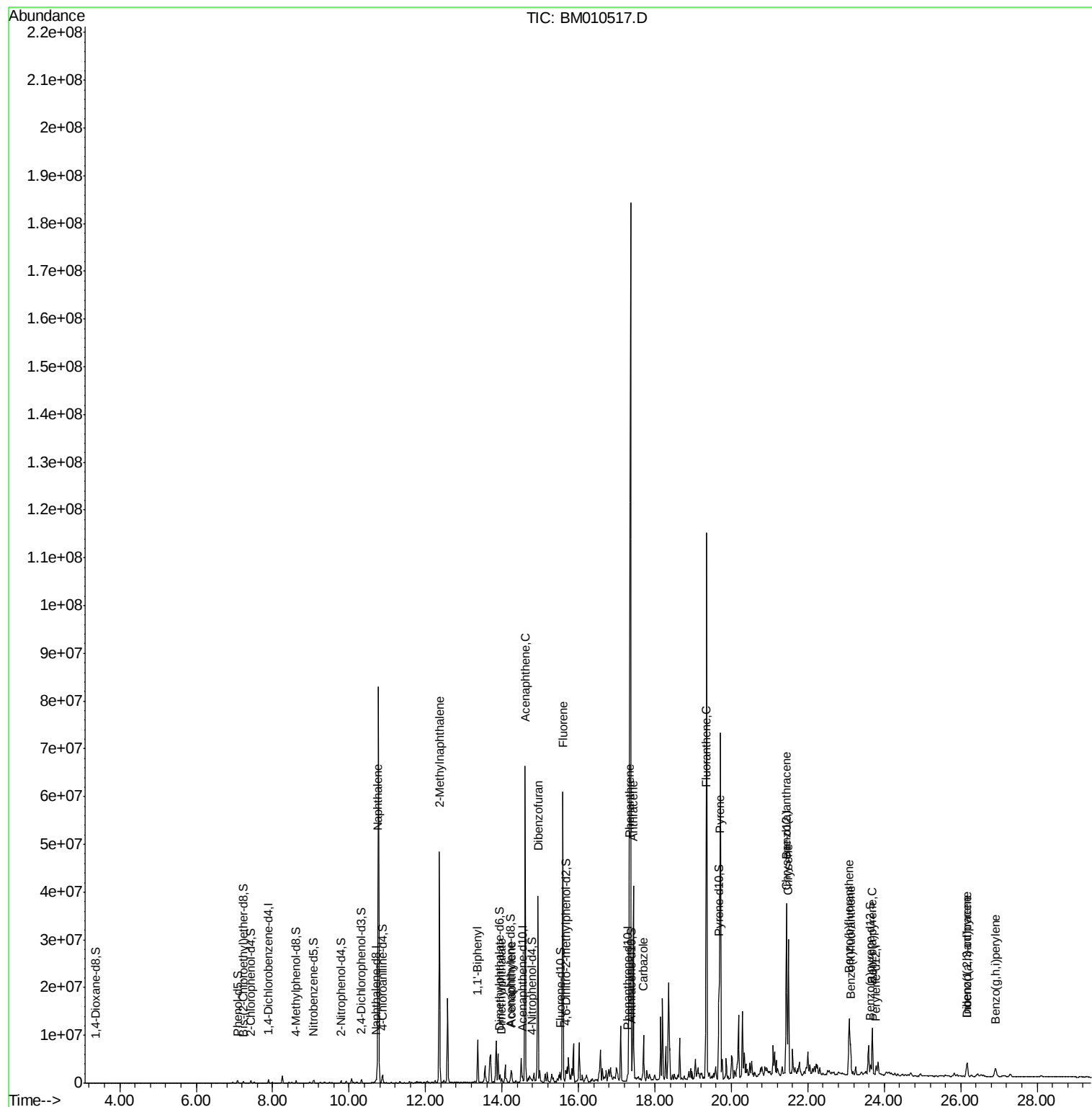
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010517.D
Acq On : 11 Jun 2017 10:10
Operator : SJ/MA
Sample : I3558-09
Misc :
ALS Vial : 42 Sample Multiplier: 1

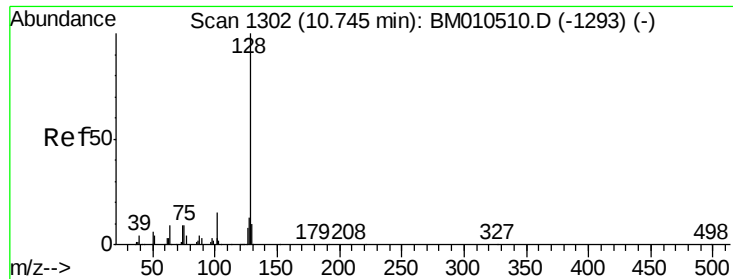
Instrument :
BNA_M
ClientSampleId :
F5C63

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:24 PM

Quant Time: Jun 12 09:49:30 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





#28

Naphthalene

Concen: 838.884 ng/ul m

RT: 10.75 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

ClientSampleId :

F5C63

Tgt Ion:128 Resp:25939201

Ion Ratio Lower Upper

128 100

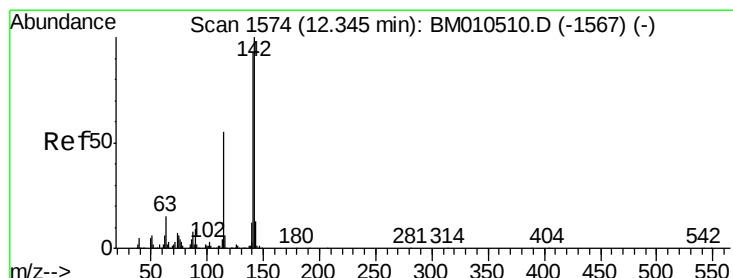
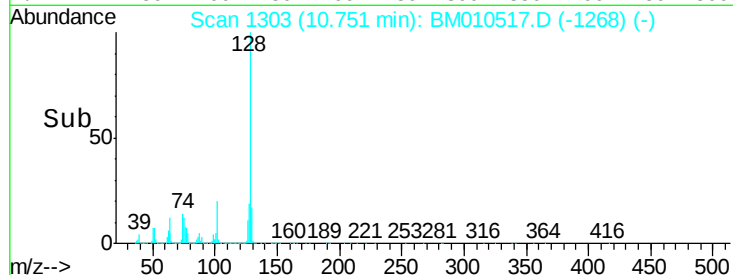
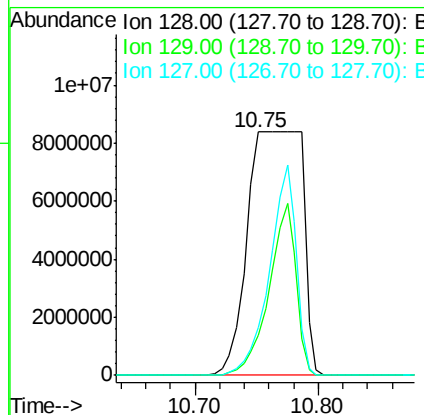
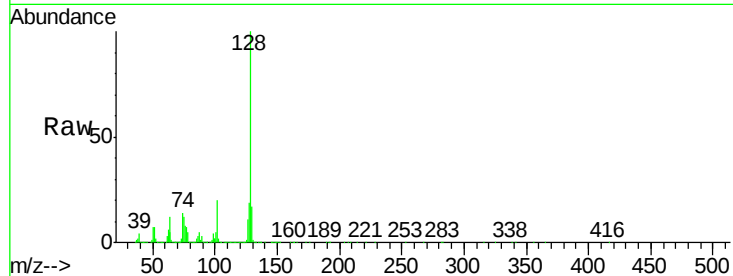
129 16.6 8.8 13.2#

127 19.5 10.6 16.0#

Manual Integrations
APPROVED

mohammad

6/12/2017 3:41:24 PM



#34

2-Methylnaphthalene

Concen: 644.551 ng/ul

RT: 12.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BM010517.D

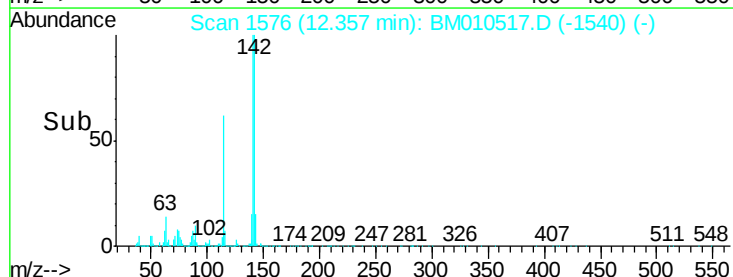
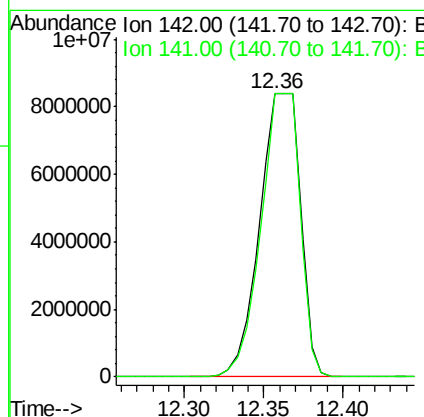
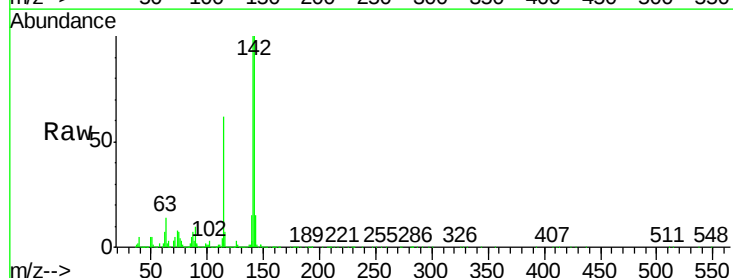
Acq: 11 Jun 2017 10:10

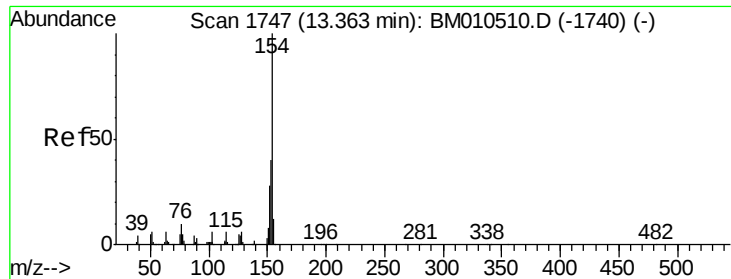
Tgt Ion:142 Resp:15110784

Ion Ratio Lower Upper

142 100

141 100.0 74.1 111.1





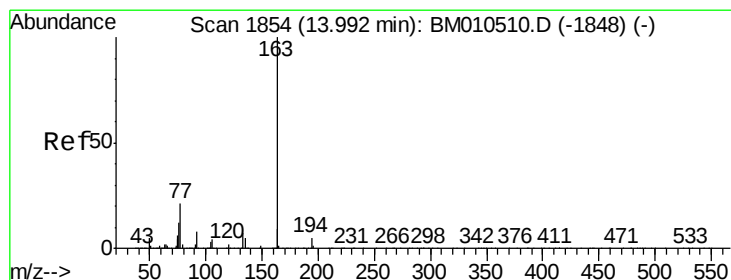
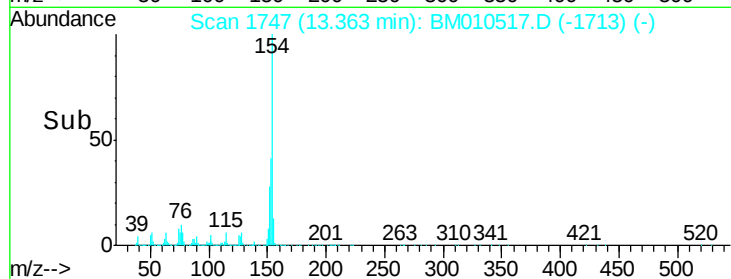
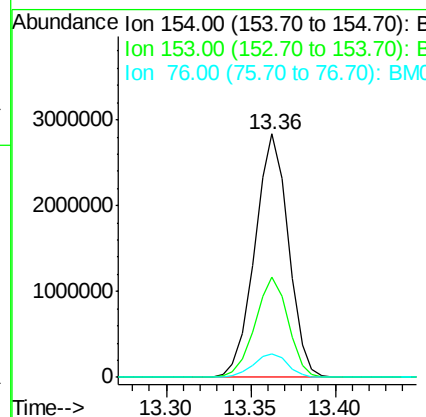
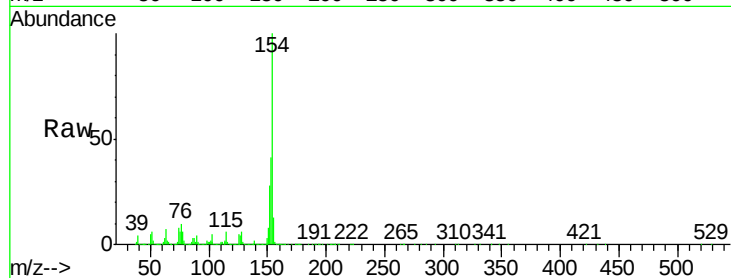
#40
 1,1'-Biphenyl
 Concen: 115.013 ng/ul
 RT: 13.36 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BM010517.D
 Acq: 11 Jun 2017 10:10

Instrument :
 BNA_M
 ClientSampleId :
 F5C63

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.6	48.8
76	9.8	8.5	12.7

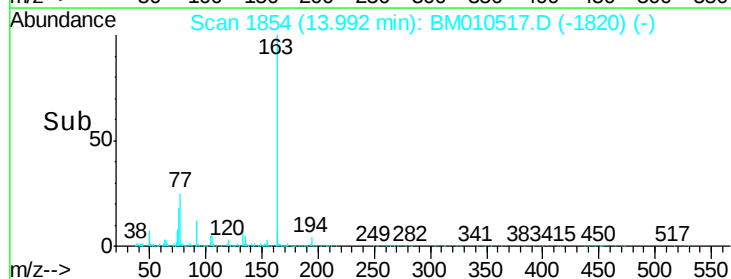
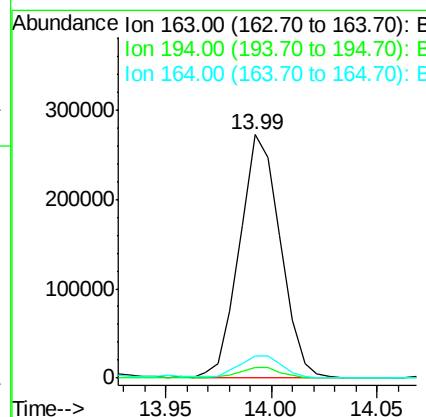
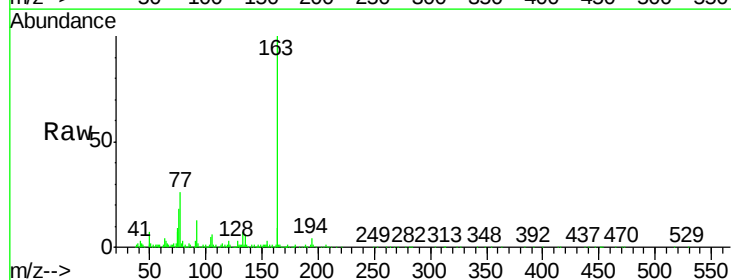
Manual Integrations
 APPROVED

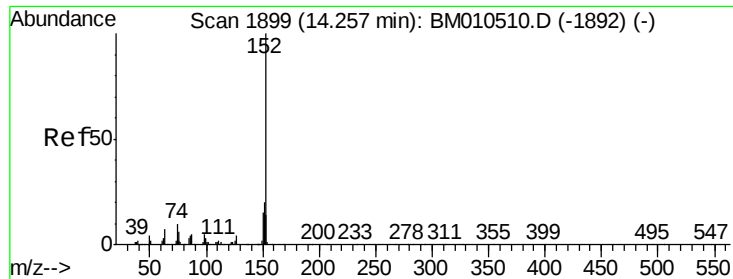
mohammad
 6/12/2017 3:41:24 PM



#44
 Dimethylphthalate
 Concen: 10.468 ng/ul
 RT: 13.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BM010517.D
 Acq: 11 Jun 2017 10:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.3	8.2	12.4





#47

Acenaphthylene

Concen: 14.695 ng/ul

RT: 14.26 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

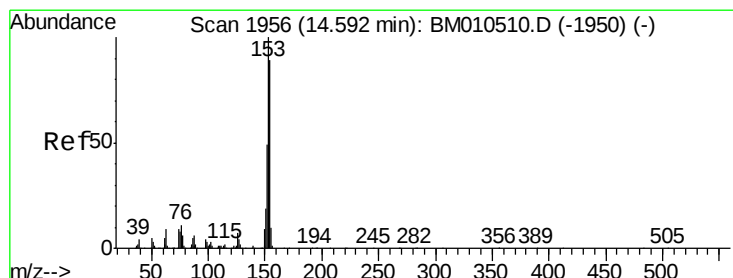
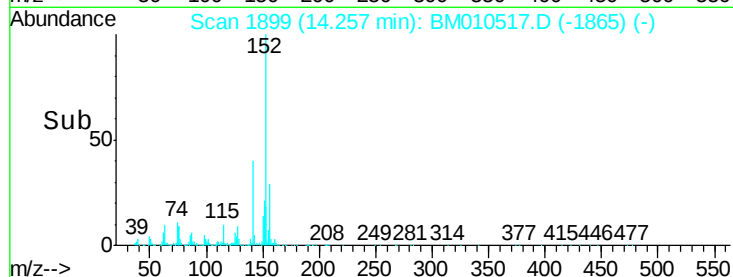
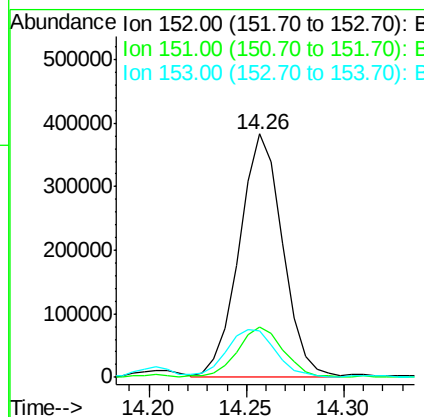
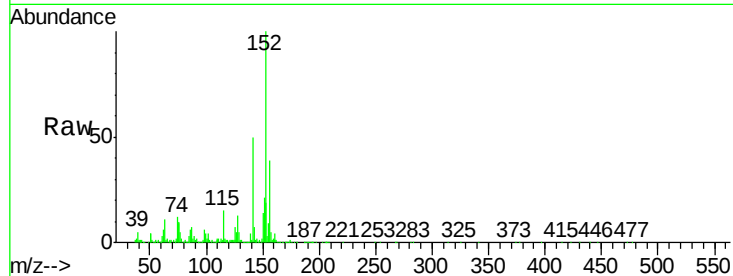
ClientSampleId :

F5C63

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	587596		
151	20.9	16.3	24.5	
153	18.9	10.2	15.4	

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:24 PM



#49

Acenaphthene

Concen: 561.964 ng/ul

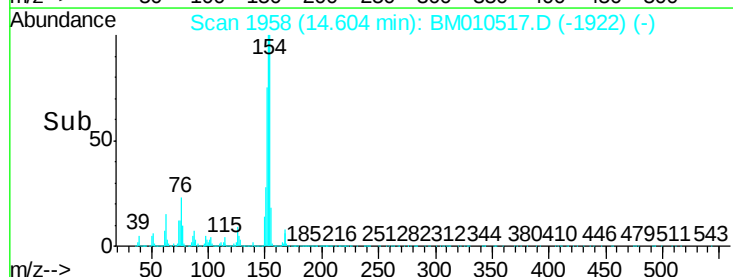
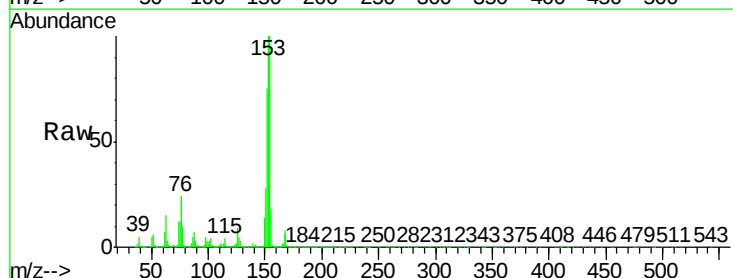
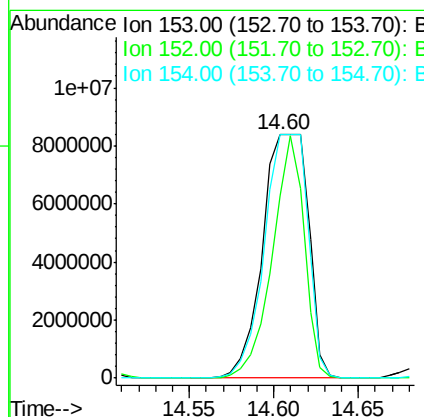
RT: 14.60 min Scan# 1958

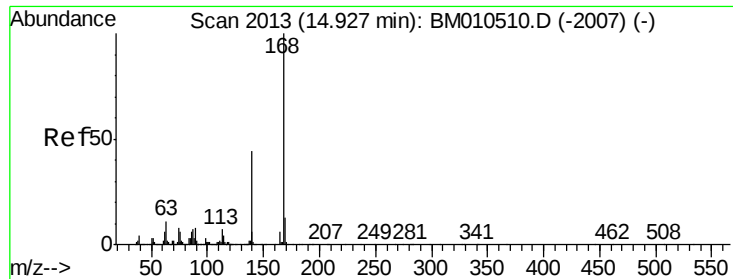
Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	15759051		
152	74.6	37.6	56.4	
154	100.0	70.4	105.6	





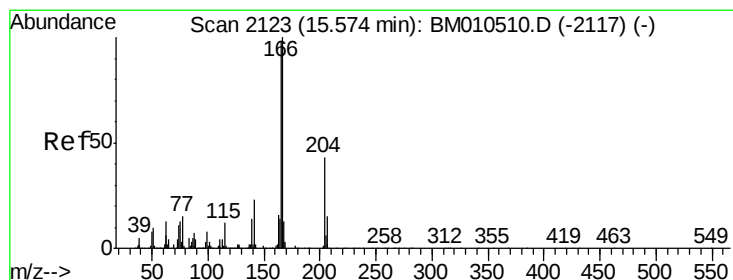
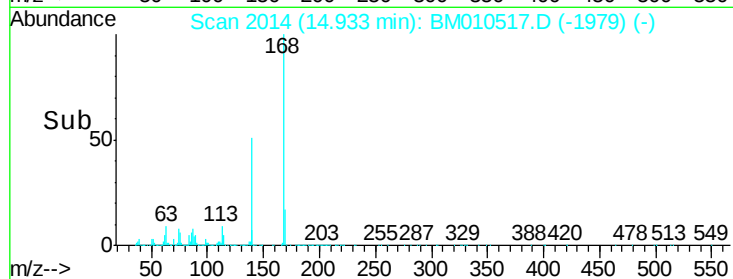
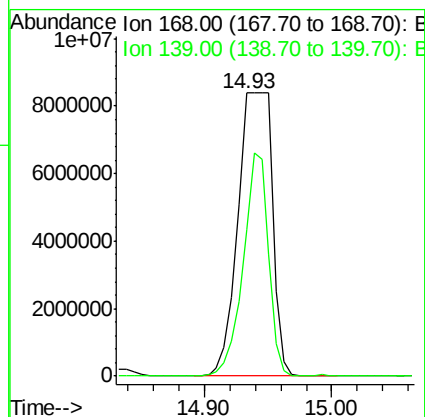
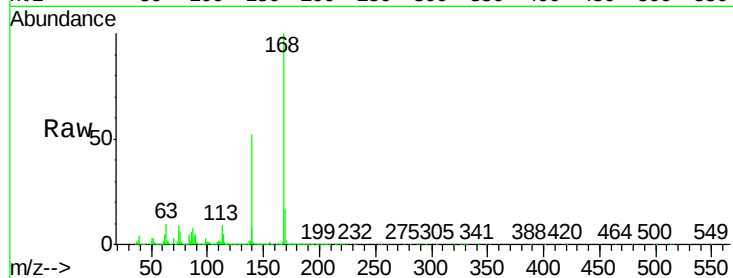
#53
Dibenzenofuran
Concen: 384.471 ng/ul m
RT: 14.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BM010517.D
Acq: 11 Jun 2017 10:10

Instrument :
BNA_M
ClientSampleId :
F5C63

Tgt Ion:168 Resp:15942700
Ion Ratio Lower Upper
168 100
139 51.5 30.8 46.2#

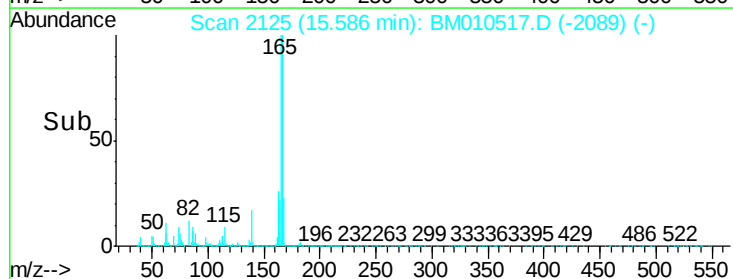
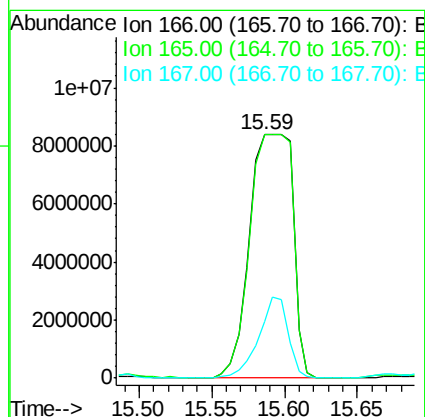
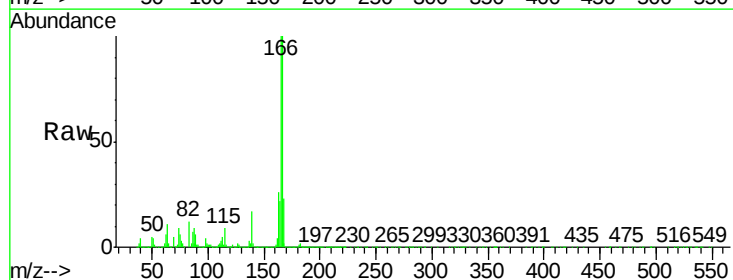
Manual Integrations
APPROVED

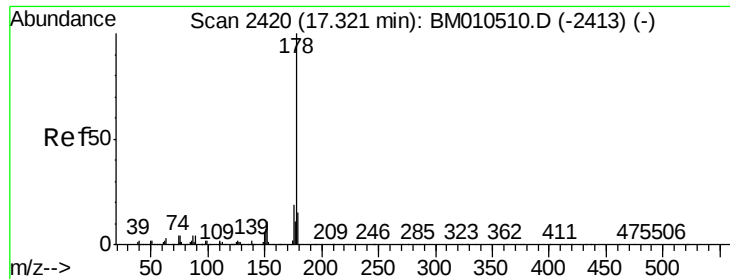
mohammad
6/12/2017 3:41:24 PM



#58
Fluorene
Concen: 505.496 ng/ul m
RT: 15.59 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BM010517.D
Acq: 11 Jun 2017 10:10

Tgt Ion:166 Resp:17194006
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 23.2 10.6 16.0#





#69

Phenanthrene

Concen: 562.329 ng/ul m

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

ClientSampled :

F5C63

Tgt Ion:178 Resp:32120745

Ion Ratio Lower Upper

178 100

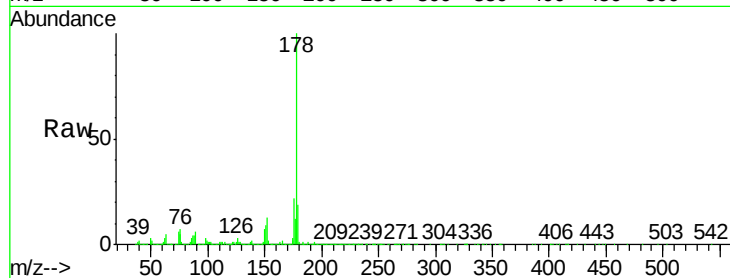
179 18.6 12.6 19.0

176 21.7 14.9 22.3

Manual Integrations
APPROVED

mohammad

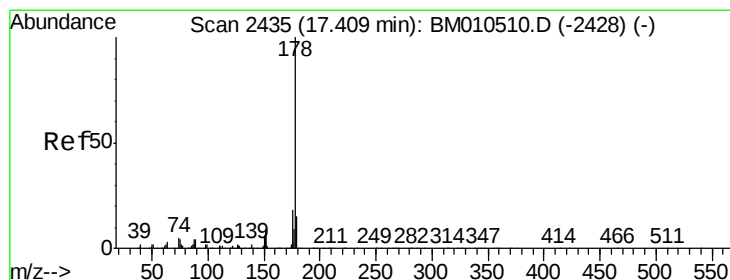
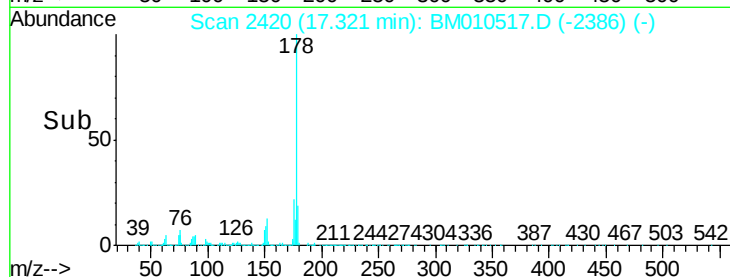
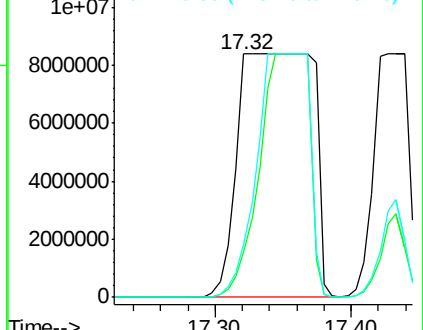
6/12/2017 3:41:24 PM



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



#71

Anthracene

Concen: 249.140 ng/ul m

RT: 17.43 min Scan# 2438

Delta R.T. 0.02 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

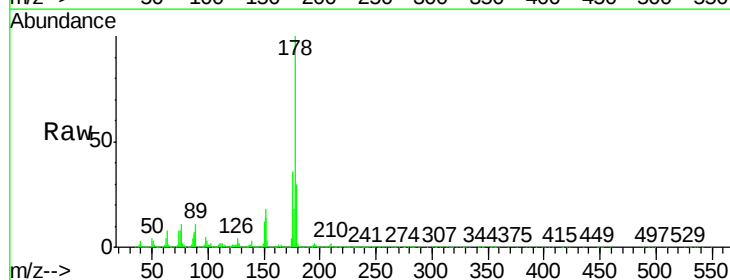
Tgt Ion:178 Resp:14856732

Ion Ratio Lower Upper

178 100

179 30.3 11.7 17.5#

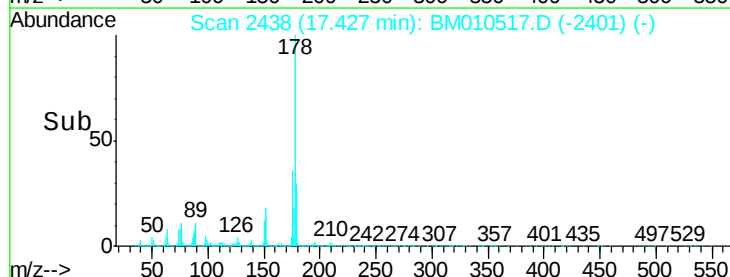
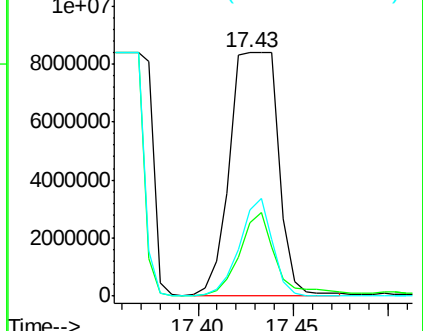
176 35.6 14.6 21.8#

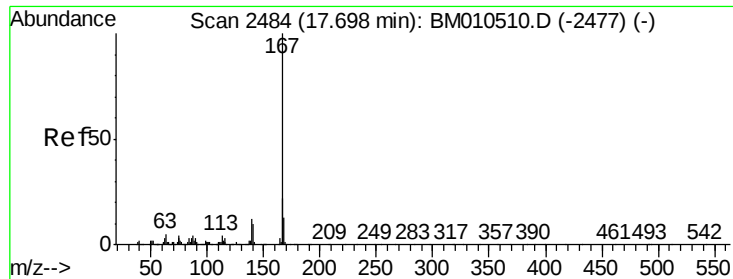


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 83.029 ng/ul

RT: 17.70 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

ClientSampleId :

F5C63

Tgt Ion:167 Resp: 4190767

Ion Ratio Lower Upper

167 100

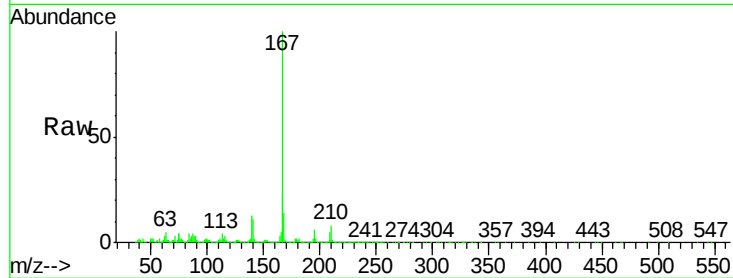
166 22.1 17.1 25.7

139 13.4 10.0 15.0

Manual Integrations
APPROVED

mohammad

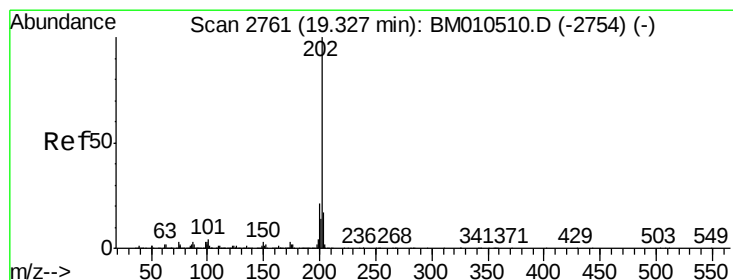
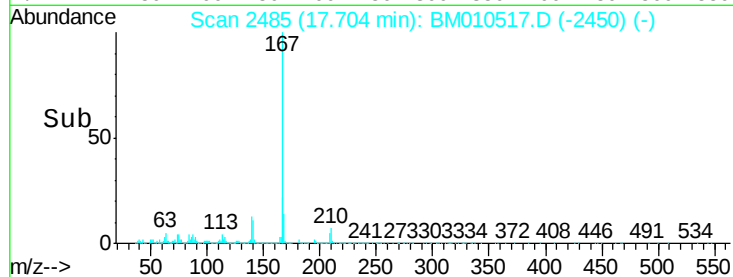
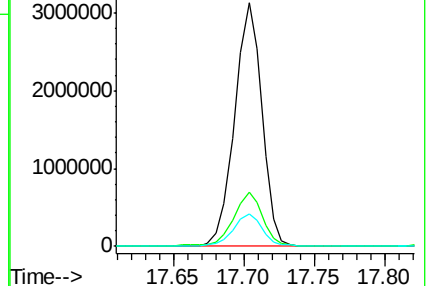
6/12/2017 3:41:24 PM



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



#74

Fluoranthene

Concen: 359.964 ng/ul m

RT: 19.33 min Scan# 2762

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

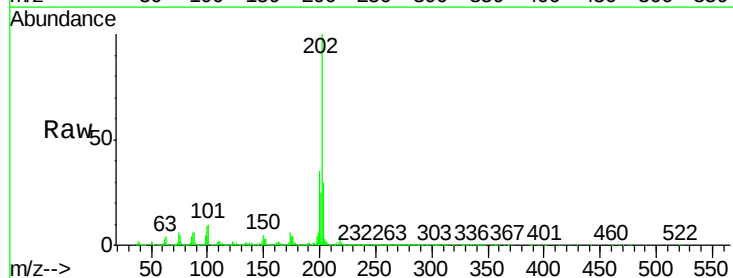
Tgt Ion:202 Resp:25284800

Ion Ratio Lower Upper

202 100

101 10.3 4.6 7.0#

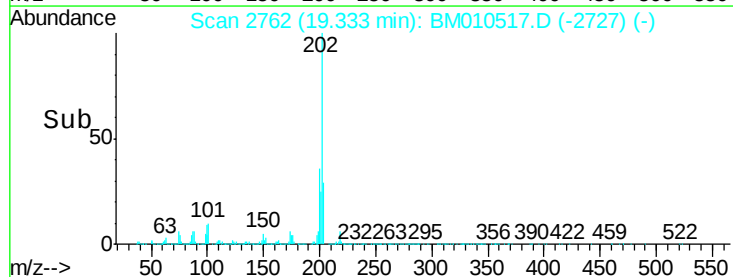
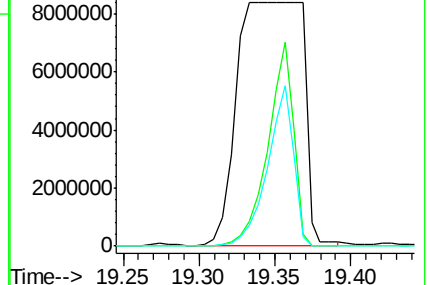
100 8.5 3.4 5.2#

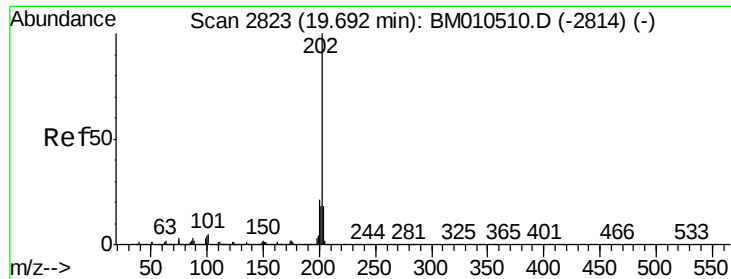


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 260.285 ng/ul m

RT: 19.70 min Scan# 2824

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

ClientSampled :

F5C63

Tgt Ion:202 Resp:23540884

Ion Ratio Lower Upper

202 100

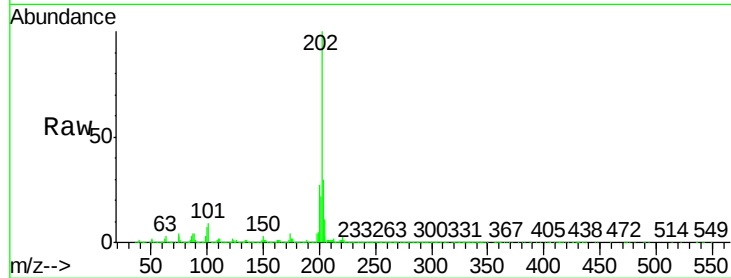
101 8.7 5.1 7.7#

100 7.1 4.9 7.3

Manual Integrations
APPROVED

mohammad

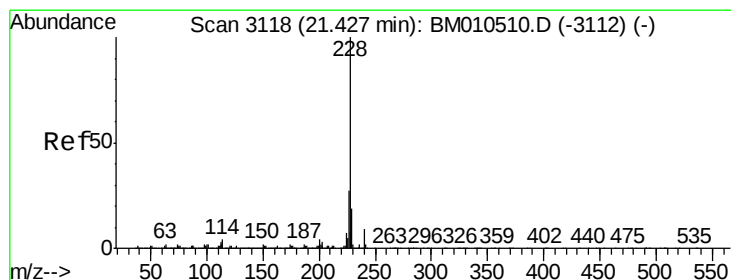
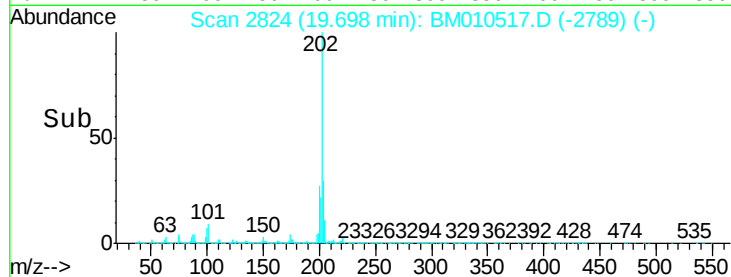
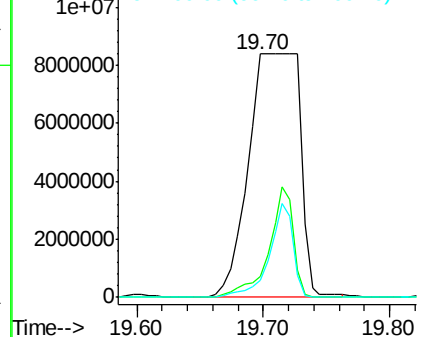
6/12/2017 3:41:24 PM



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



#80

Benzo(a)anthracene

Concen: 143.102 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

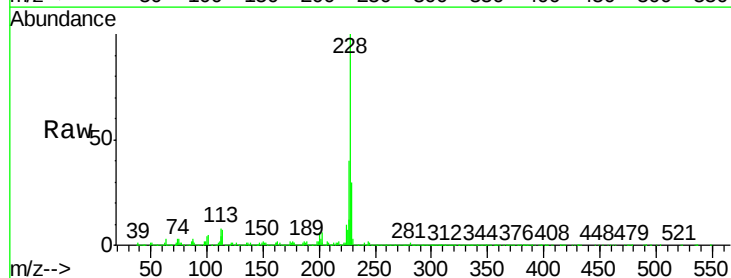
Tgt Ion:228 Resp:14163360

Ion Ratio Lower Upper

228 100

229 30.0 15.4 23.0#

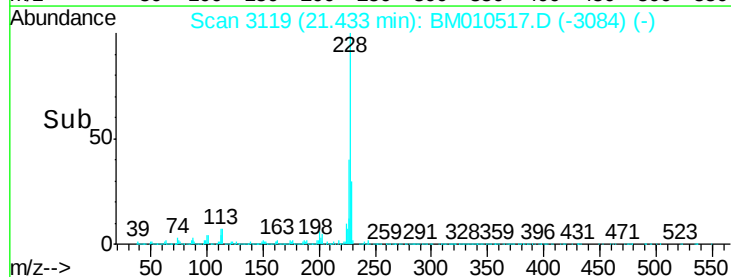
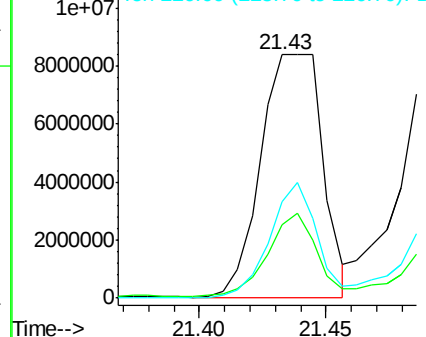
226 39.7 21.4 32.0#

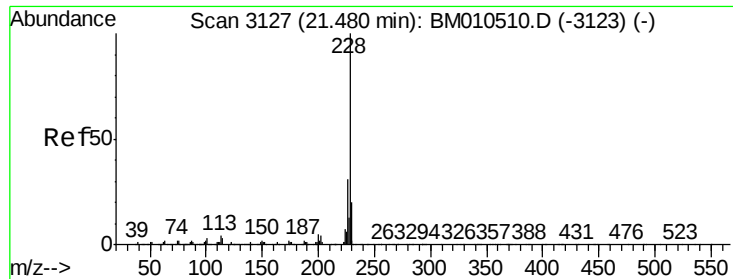


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 142.516 ng/ul

RT: 21.49 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

Instrument :

BNA_M

ClientSampleId :

F5C63

Tgt Ion:228 Resp:12750852

Ion Ratio Lower Upper

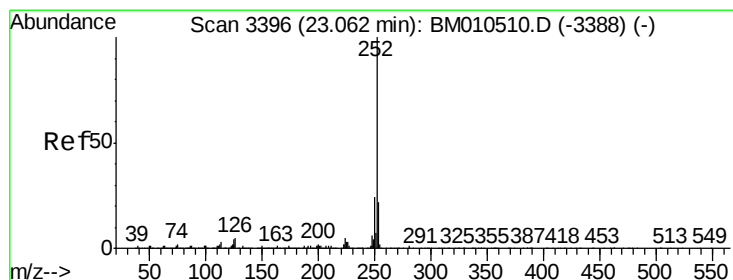
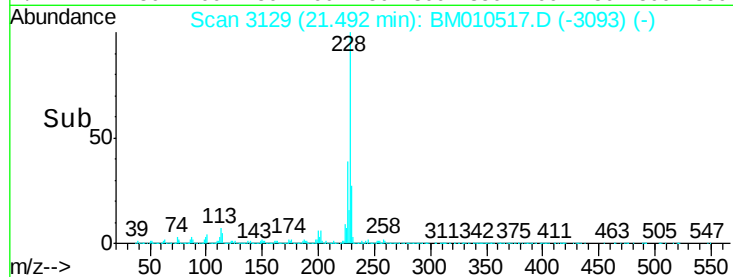
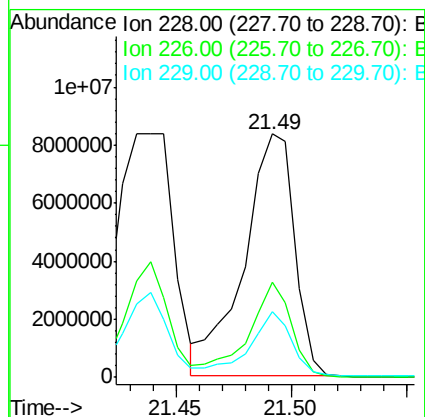
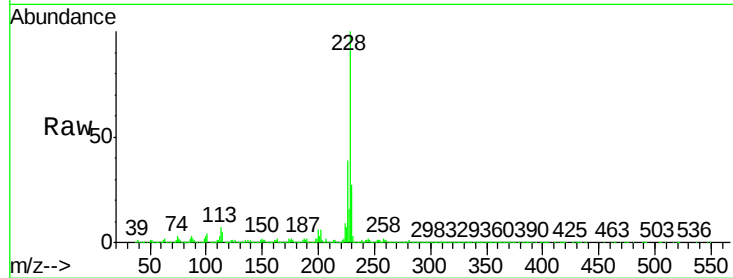
228 100

226 39.2 23.4 35.2#

229 26.9 15.5 23.3#

Manual Integrations
APPROVED

mohammad
6/12/2017 3:41:24 PM



#85

Benzo(b)fluoranthene

Concen: 131.213 ng/ul

RT: 23.08 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BM010517.D

Acq: 11 Jun 2017 10:10

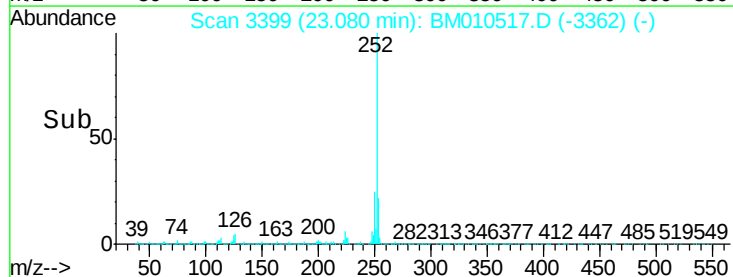
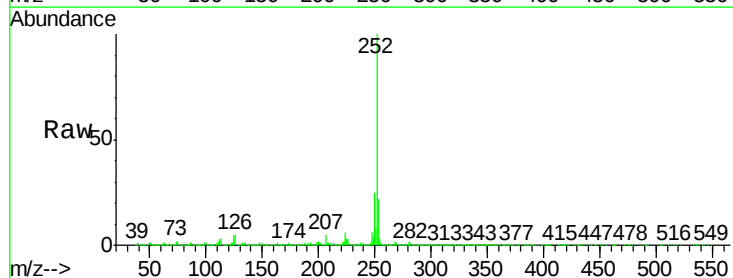
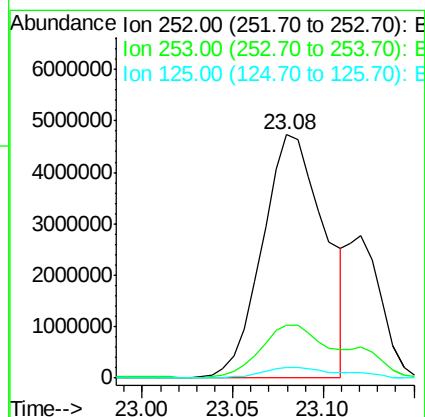
Tgt Ion:252 Resp:11309164

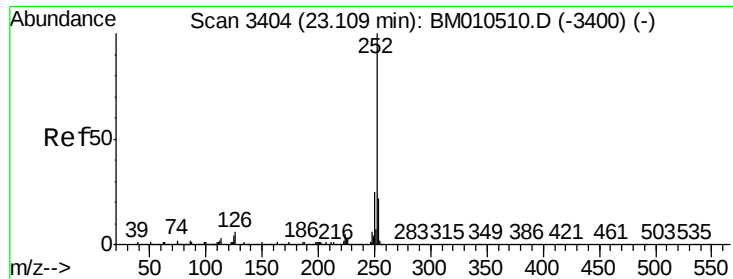
Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 4.5 3.6 5.4





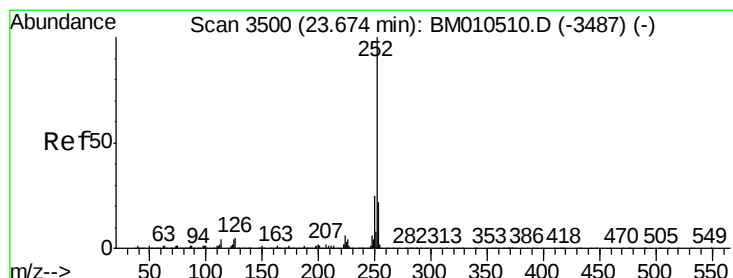
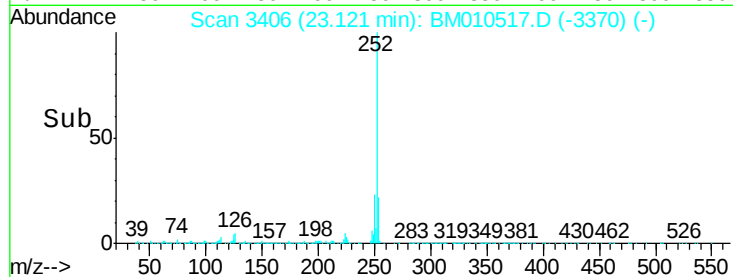
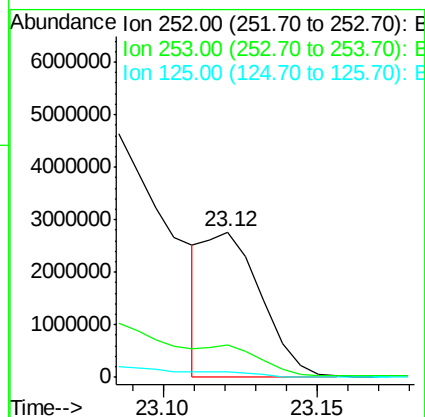
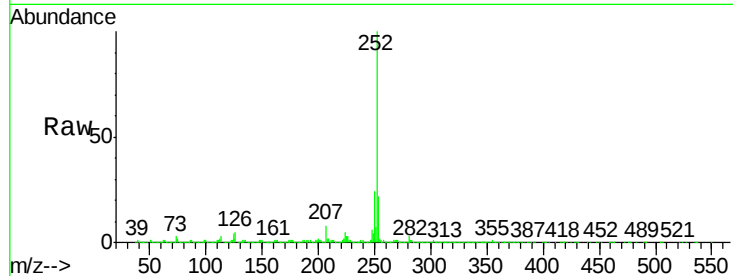
#86
Benzo(k)fluoranthene
Concen: 43.242 ng/ul m
RT: 23.12 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM010517.D
Acq: 11 Jun 2017 10:10

Instrument :
BNA_M
ClientSampleId :
F5C63

Tgt Ion:252 Resp: 3560433
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 3.9 3.4 5.2

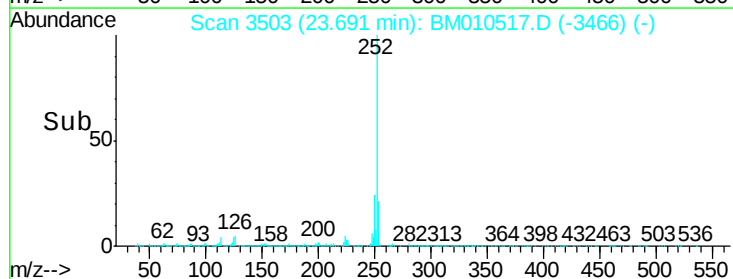
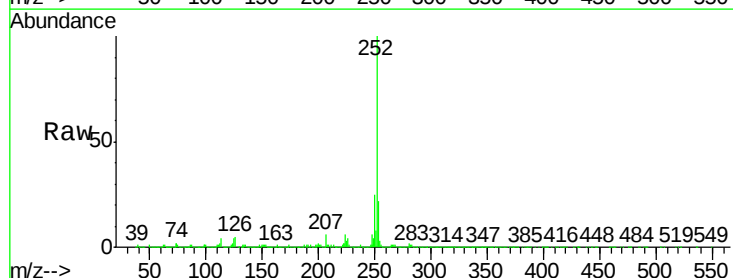
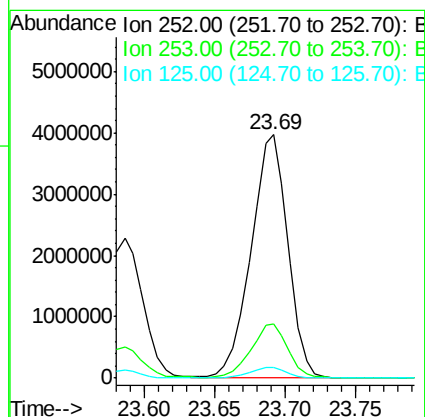
Manual Integrations
APPROVED

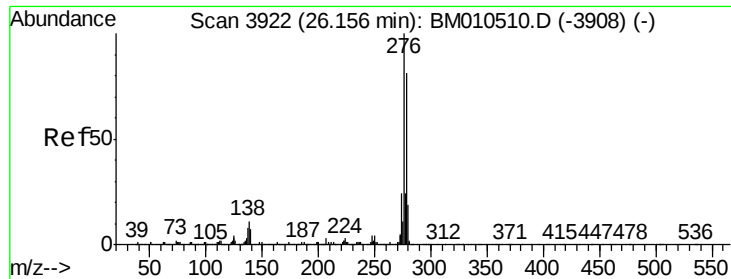
mohammad
6/12/2017 3:41:24 PM



#88
Benzo(a)pyrene
Concen: 84.296 ng/ul
RT: 23.69 min Scan# 3503
Delta R.T. 0.02 min
Lab File: BM010517.D
Acq: 11 Jun 2017 10:10

Tgt Ion:252 Resp: 7201643
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 4.3 4.0 6.0





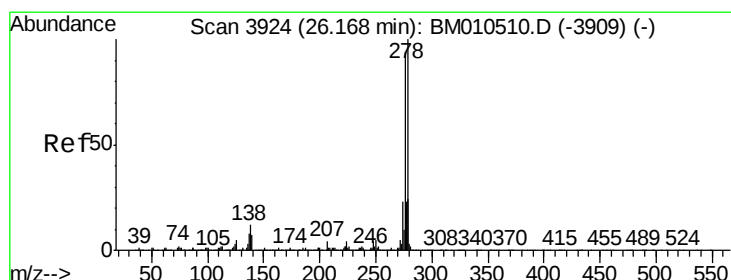
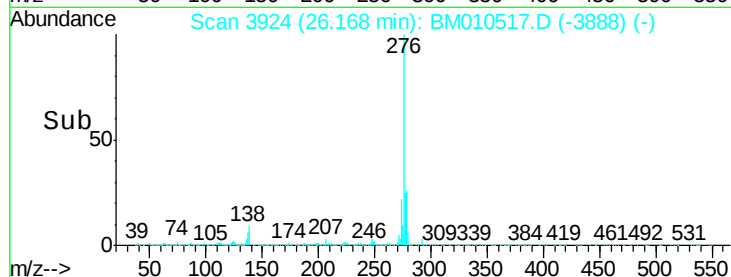
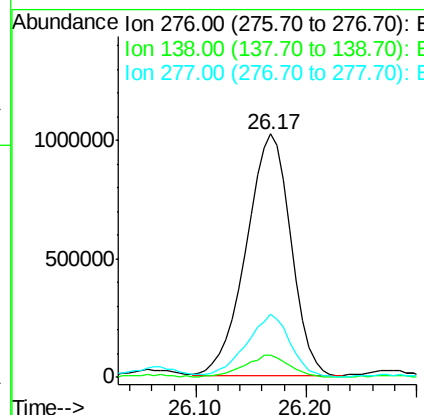
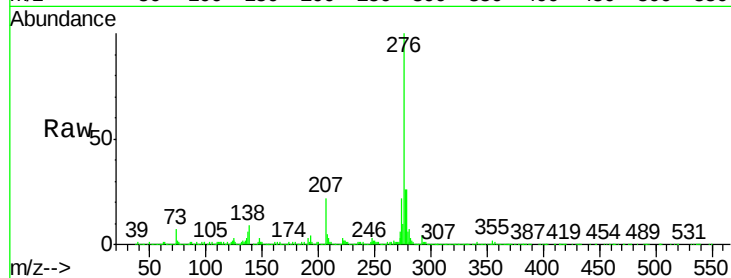
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 26.900 ng/ul
 RT: 26.17 min Scan# 3924
 Delta R.T. 0.01 min
 Lab File: BM010517.D
 Acq: 11 Jun 2017 10:10

Instrument :
 BNA_M
 ClientSampled :
 F5C63

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.3	13.9#
277	25.8	19.9	29.9

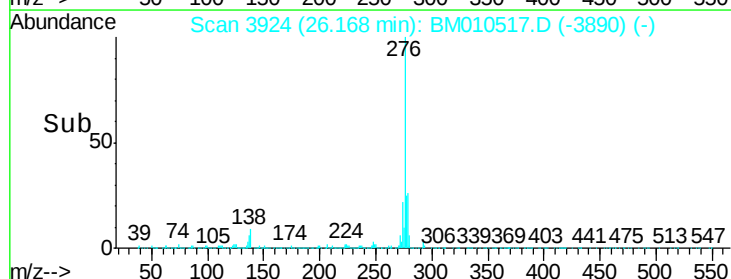
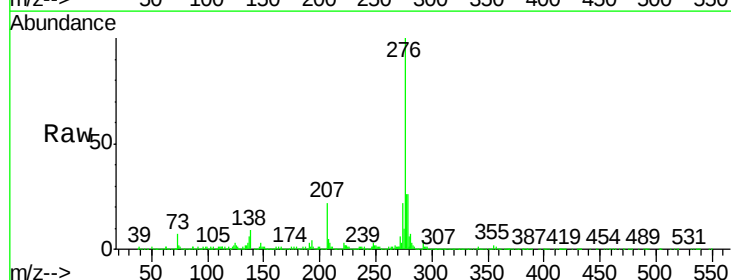
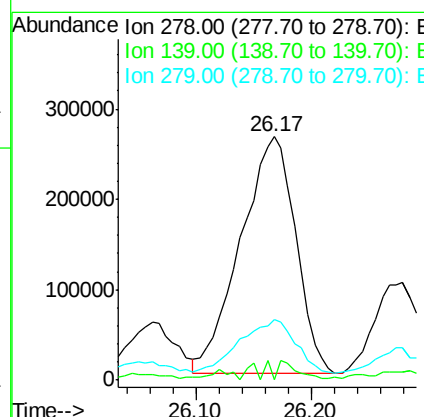
Manual Integrations
 APPROVED

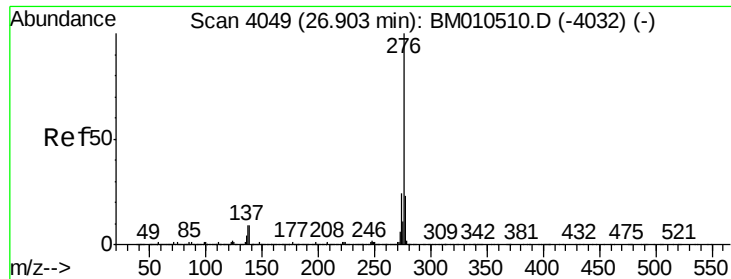
mohammad
 6/12/2017 3:41:24 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 9.320 ng/ul
 RT: 26.17 min Scan# 3924
 Delta R.T. 0.00 min
 Lab File: BM010517.D
 Acq: 11 Jun 2017 10:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	24.7	18.6	27.8





#91
 Benzo(g,h,i)perylene
 Concen: 25.047 ng/ul
 RT: 26.91 min Scan# 4051
 Delta R.T. 0.01 min
 Lab File: BM010517.D
 Acq: 11 Jun 2017 10:10

Instrument :
 BNA_M
 ClientSampleId :
 F5C63

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	8.6	8.5	12.7	
277	24.8	18.6	28.0	

Manual Integrations
 APPROVED

mohammad
 6/12/2017 3:41:24 PM

