

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023228.D
 Acq On : 17 Oct 2019 20:18
 Operator : JU
 Sample : K5236-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPM2

Manual Integrations
 APPROVED

mohammad
 10/20/2019 8:06:18 PM

Quant Time: Oct 18 07:18:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 18 06:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	355707	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1406799	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	897251	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1873698	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2013721	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2536928	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	29282	3.62	ng/uL	0.00
5) Phenol-d5	6.84	99	550403	17.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	314611	17.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	454322	19.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	434039	17.44	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	214543	22.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	236352	26.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	468014	20.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	499258	17.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1366904	19.88	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1670795	20.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	147919	13.29	ng/ul	0.00
58) Fluorene-d10	15.30	176	1226374	20.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	116065	15.62	ng/ul	0.00
71) Anthracene-d10	17.16	188	1951805	21.60	ng/ul	0.00
79) Pyrene-d10	19.45	212	2223748	22.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2823138	21.95	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.86	94	98488	3.083	ng/ul	98
45) Dimethylphthalate	13.77	163	564760	8.206	ng/ul	100
48) Acenaphthylene	14.03	152	264587	3.209	ng/ul	100
50) Acenaphthene	14.37	153	68020	1.185	ng/ul	99
54) Dibenzofuran	14.71	168	87794	1.077	ng/ul	98
59) Fluorene	15.36	166	158945	2.377	ng/ul	99
70) Phenanthrene	17.10	178	2798363	26.612	ng/ul	99
72) Anthracene	17.19	178	579728	5.335	ng/ul	99
75) Carbazole	17.46	167	254459	2.621	ng/ul	98
77) Fluoranthene	19.12	202	5028510	40.210	ng/ul	98
80) Pyrene	19.48	202	3944396	31.267	ng/ul	100
83) Benzo(a)anthracene	21.23	228	2391304	17.526	ng/ul	97
85) Chrysene	21.29	228	2167075	17.105	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	3257655	21.179	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	1069687m	7.243	ng/ul	
91) Benzo(a)pyrene	23.37	252	2257387	15.297	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.69	276	1629188	9.280	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	439354	2.993	ng/ul#	82
94) Benzo(g,h,i)perylene	26.36	276	1431993	9.907	ng/ul	99

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

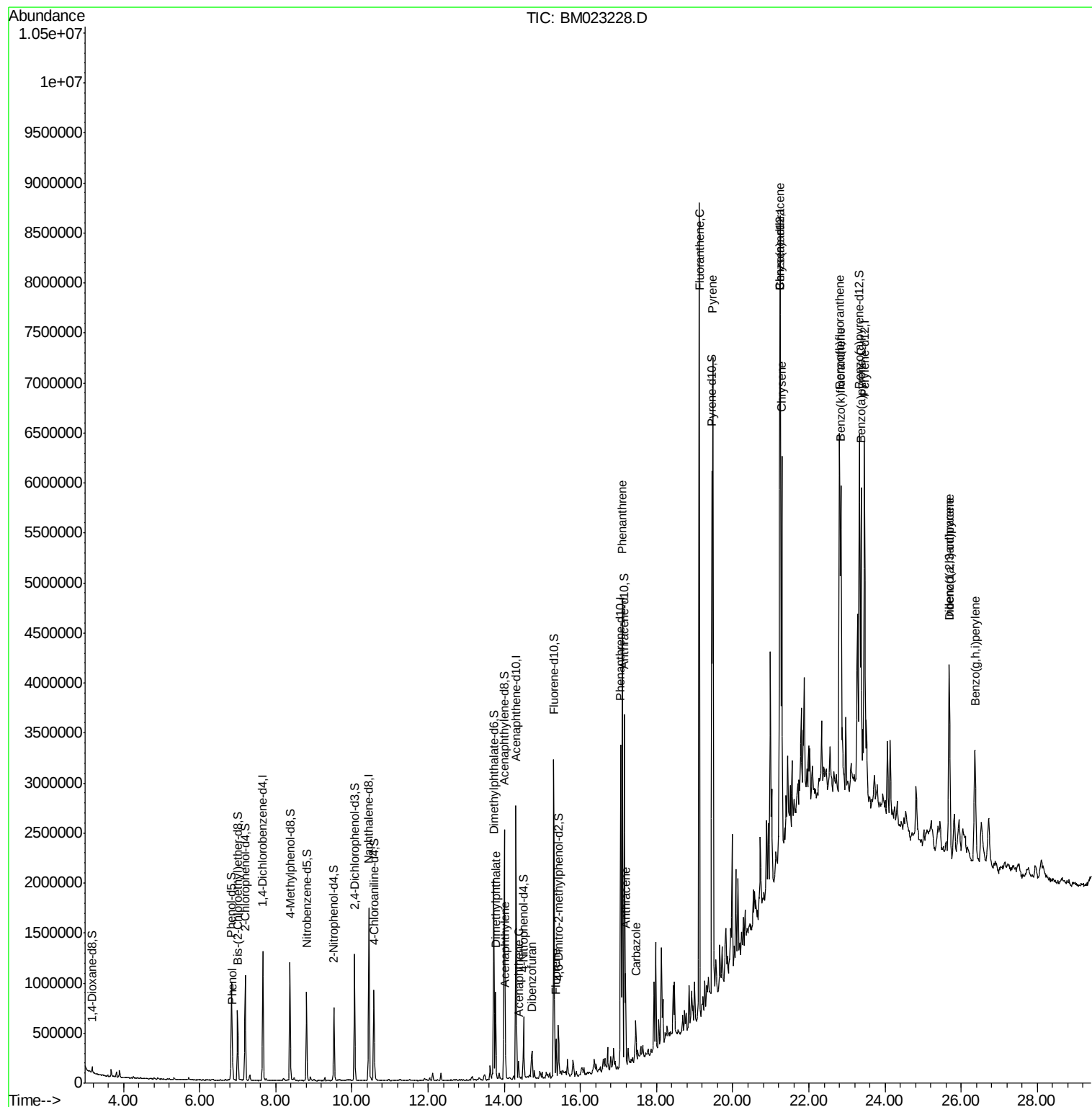
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023228.D
Acq On : 17 Oct 2019 20:18
Operator : JU
Sample : K5236-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

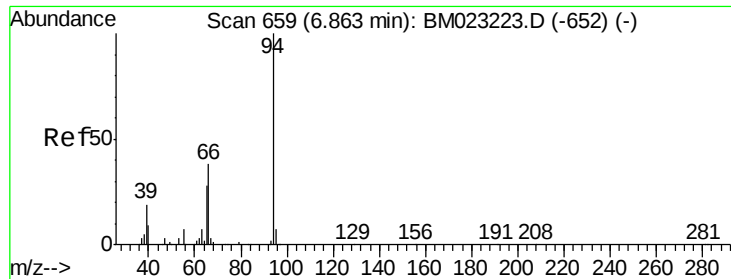
Instrument :
BNA_M
ClientSampled :
BEPM2

Quant Time: Oct 18 07:18:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 06:52:01 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
10/20/2019 8:06:18 PM





#6

Phenol

Concen: 3.083 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Instrument :

BNA_M

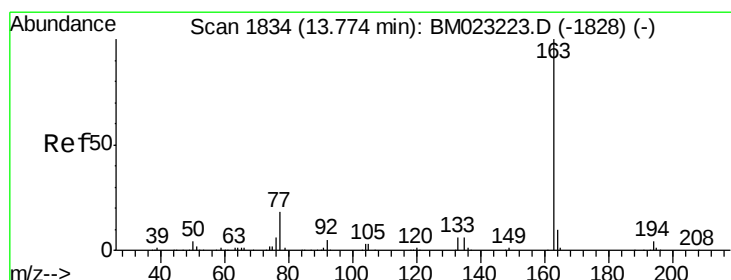
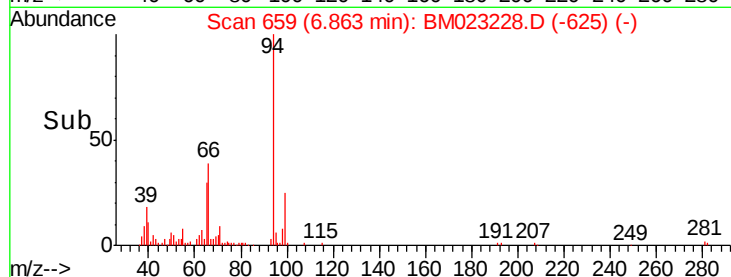
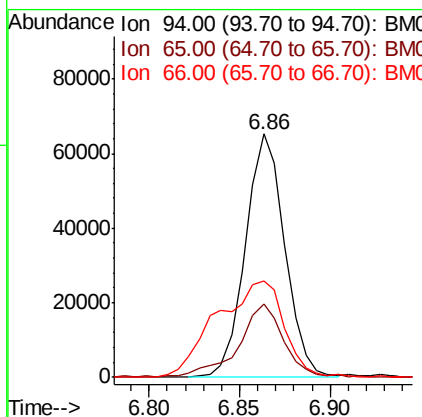
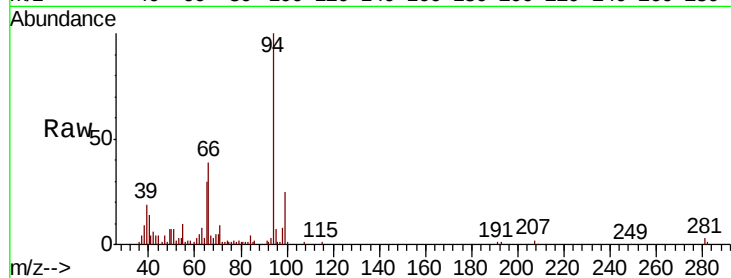
ClientSampleId :

BEPM2

Tot Ion:	94	Resp:	98488
Ion	Ratio	Lower	Upper
94	100		
65	30.3	23.7	35.5
66	39.5	32.9	49.3

Manual Integrations
APPROVED

mohammad
10/20/2019 8:06:18 PM



#45

Dimethylphthalate

Concen: 8.206 ng/ul

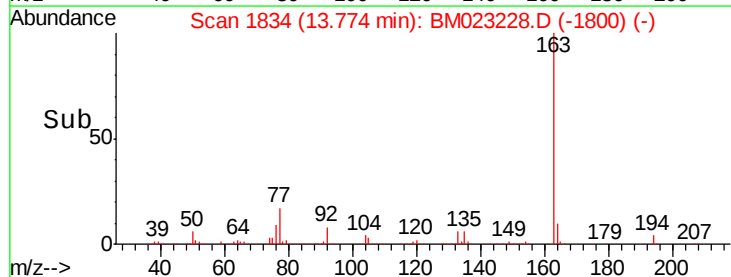
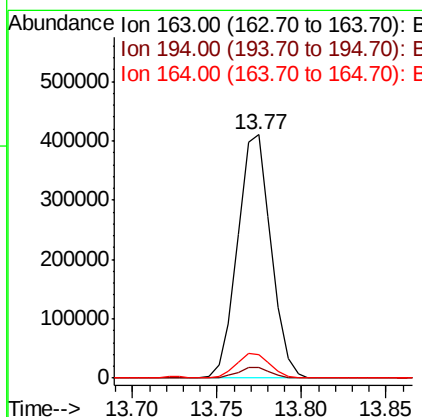
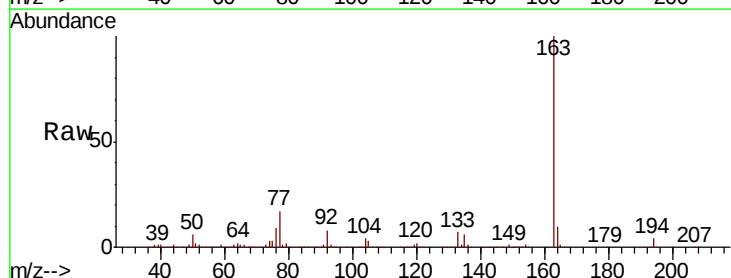
RT: 13.77 min Scan# 1834

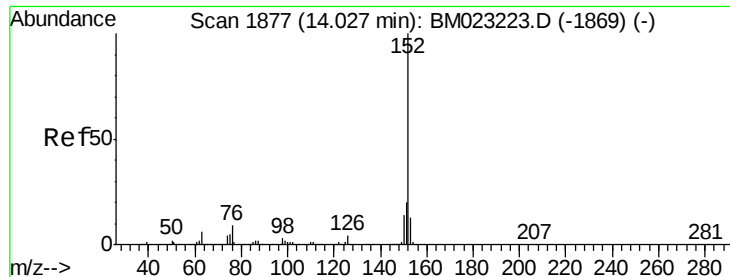
Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	163	Resp:	564760
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.8	8.0	12.0





#48

Acenaphthylene

Concen: 3.209 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Instrument :

BNA_M

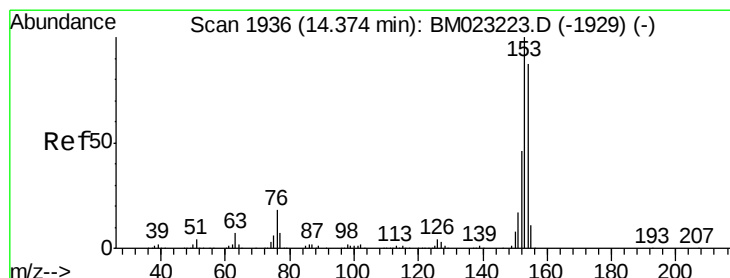
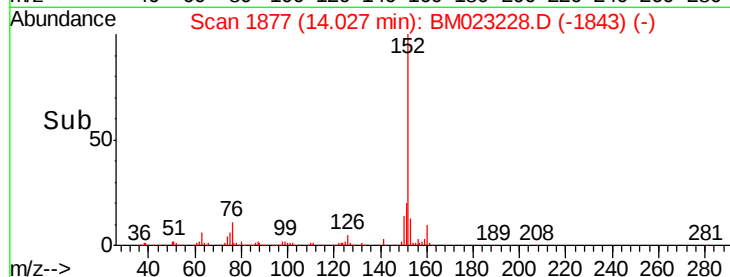
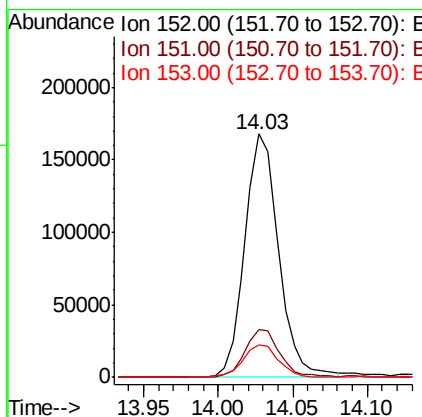
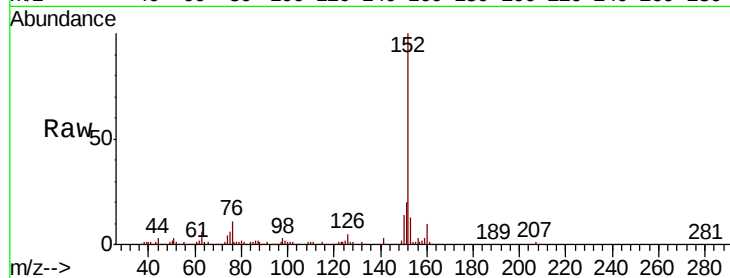
ClientSampleId :

BEPM2

Tot Ion:	152	Resp:	264587
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.8	23.6
153	13.2	10.3	15.5

Manual Integrations
APPROVED

mohammad
10/20/2019 8:06:18 PM



#50

Acenaphthene

Concen: 1.185 ng/ul

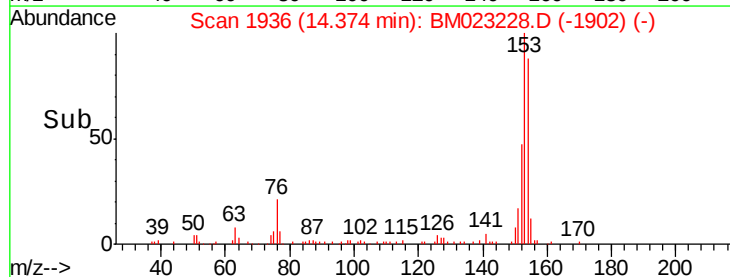
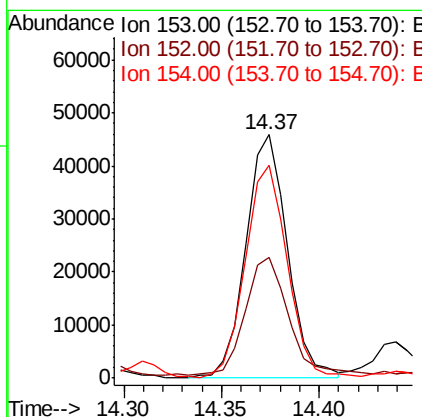
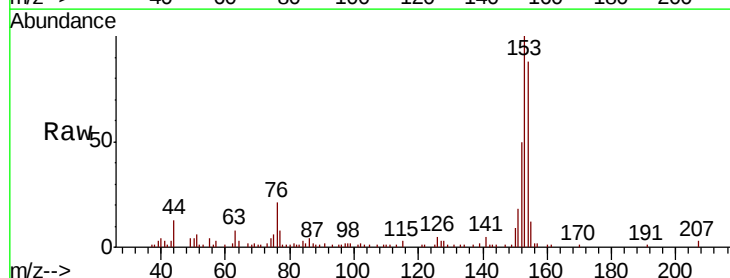
RT: 14.37 min Scan# 1936

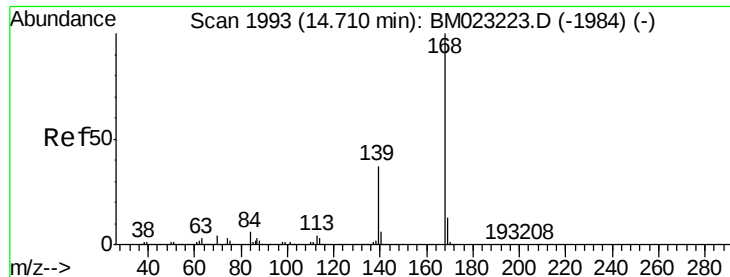
Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	153	Resp:	68020
Ion Ratio	Lower	Upper	
153	100		
152	49.6	38.0	57.0
154	87.6	70.4	105.6





#54

Dibenzofuran

Concen: 1.077 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Instrument :

BNA_M

ClientSampleId :

BEPM2

Tot Ion:168 Resp: 87794

Ion Ratio Lower Upper

168 100

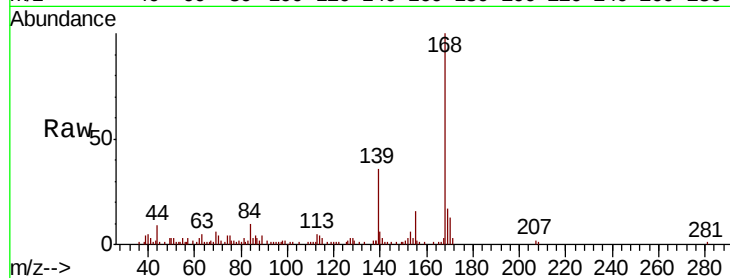
139 36.4 30.1 45.1

Manual Integrations

APPROVED

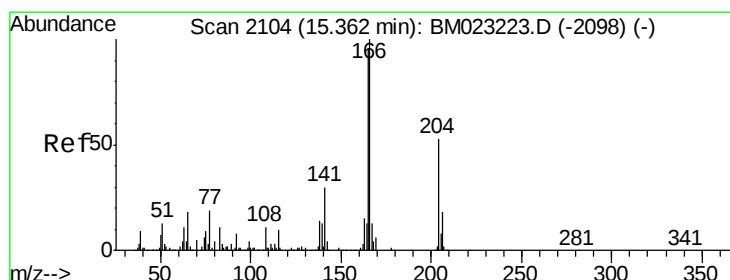
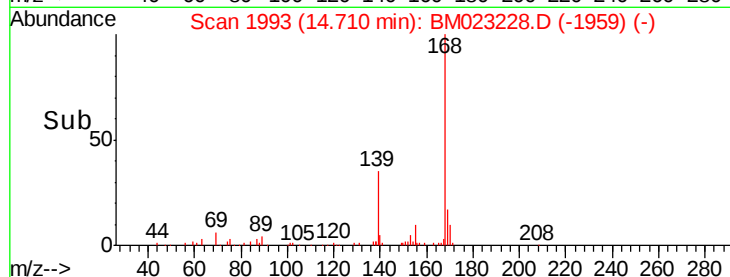
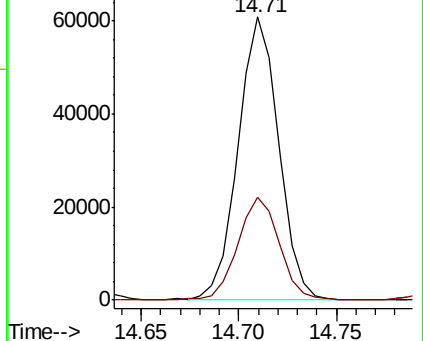
mohammad

10/20/2019 8:06:18 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.377 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

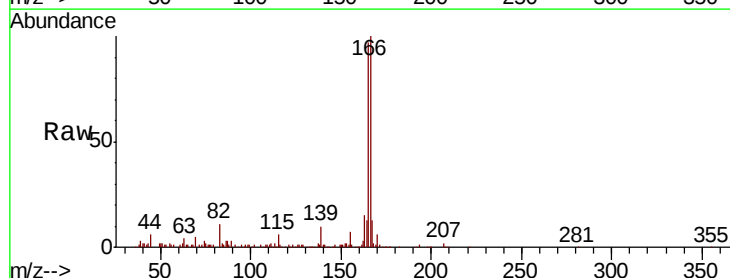
Tgt Ion:166 Resp: 158945

Ion Ratio Lower Upper

166 100

165 97.3 77.4 116.0

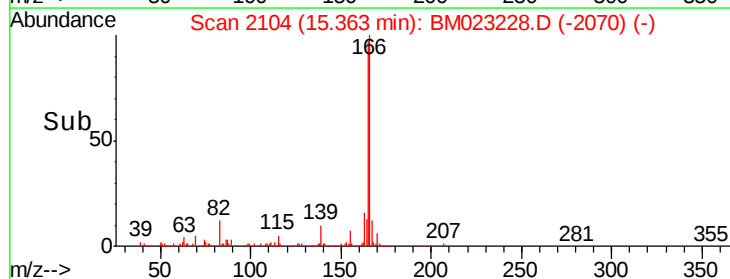
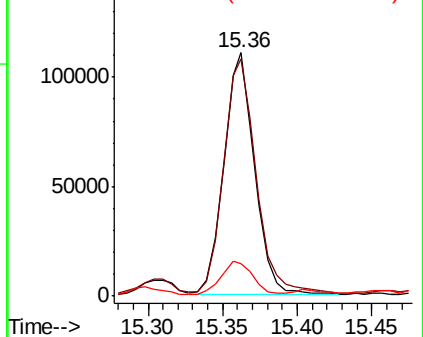
167 13.1 10.8 16.2

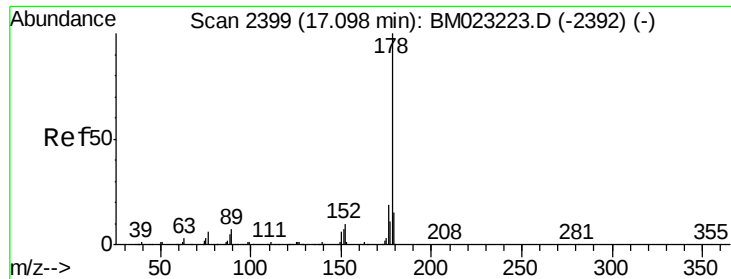


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





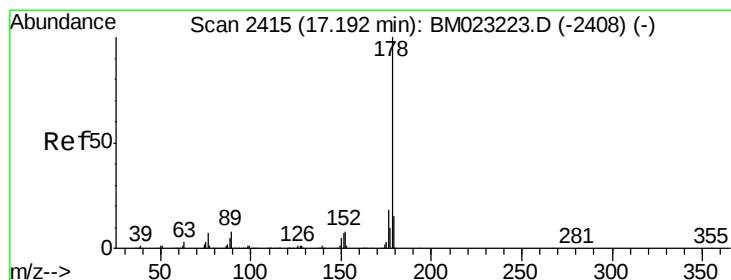
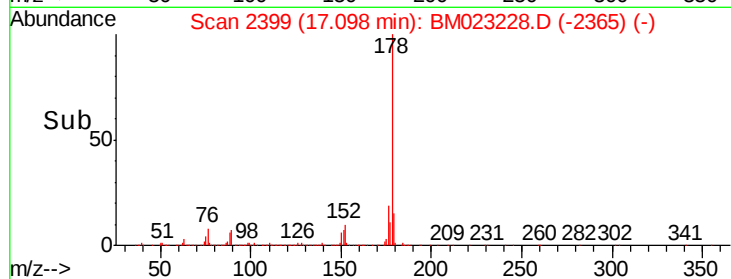
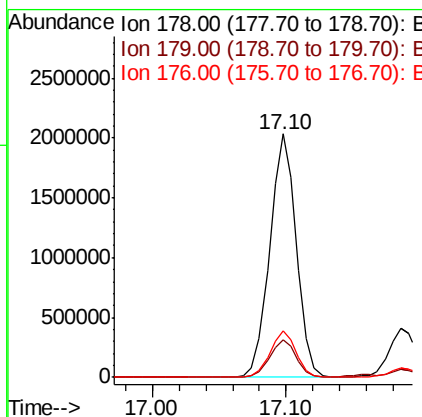
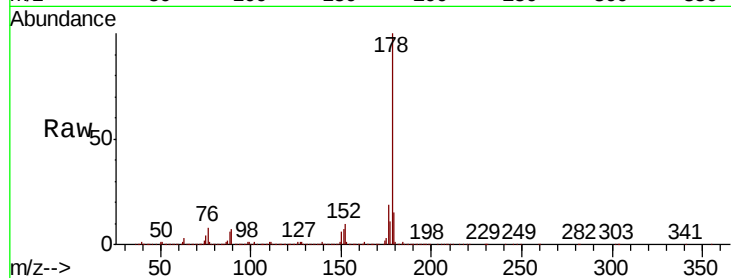
#70
Phenanthrene
Concen: 26.612 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Instrument :
BNA_M
ClientSampled :
BEPM2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.0	15.5	23.3

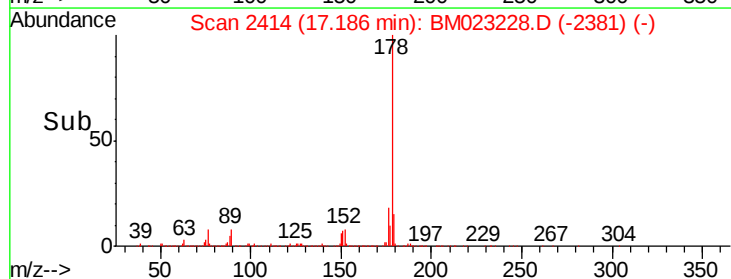
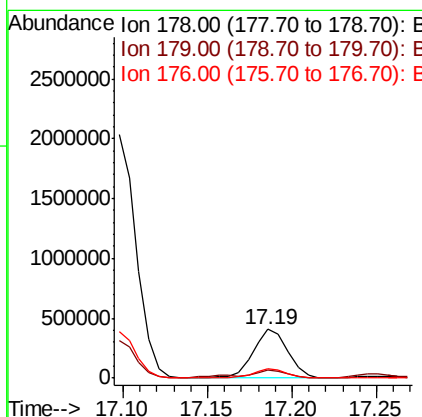
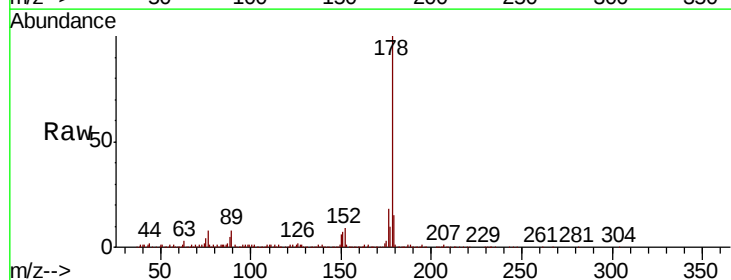
Manual Integrations
APPROVED

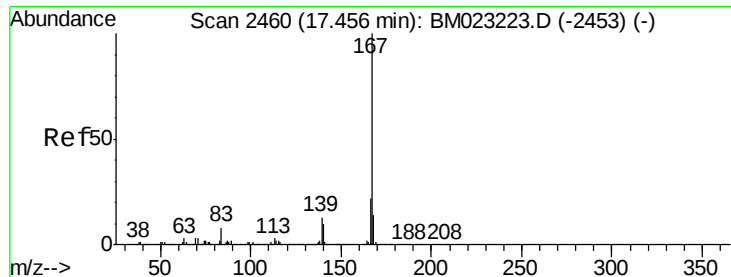
mohammad
10/20/2019 8:06:18 PM



#72
Anthracene
Concen: 5.335 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.2	15.0	22.4





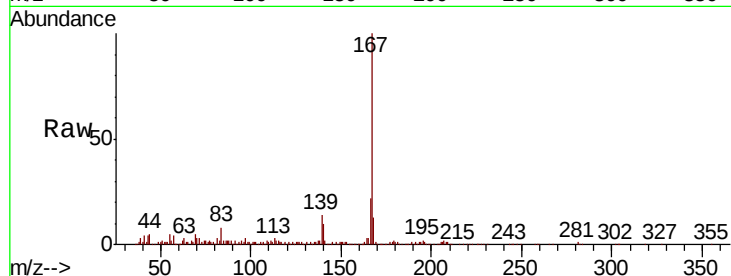
#75
 Carbazole
 Concen: 2.621 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM023228.D
 Acq: 17 Oct 2019 20:18

Instrument :
 BNA_M
 ClientSampleId :
 BEPM2

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	13.6	10.2	15.2

Manual Integrations
 APPROVED

mohammad
 10/20/2019 8:06:18 PM

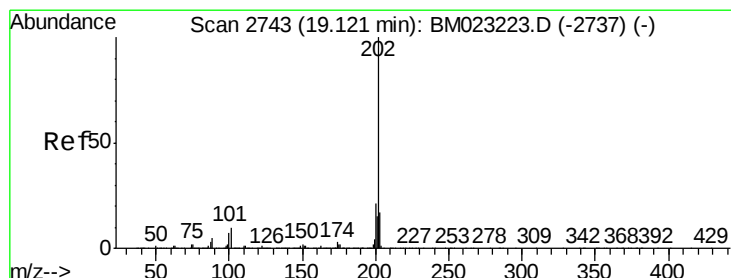
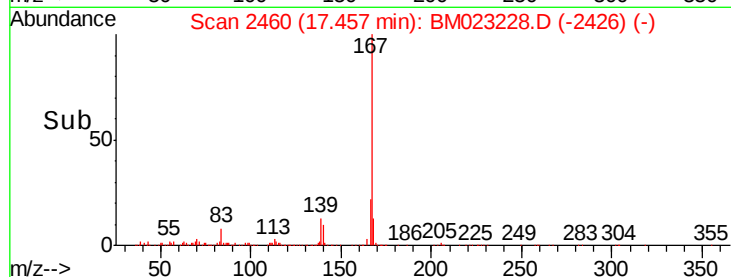
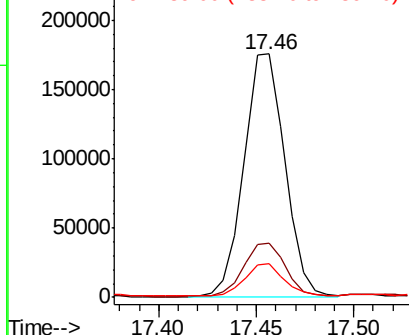


Abundance

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



#77
 Fluoranthene
 Concen: 40.210 ng/ul
 RT: 19.12 min Scan# 2743
 Delta R.T. 0.00 min
 Lab File: BM023228.D
 Acq: 17 Oct 2019 20:18

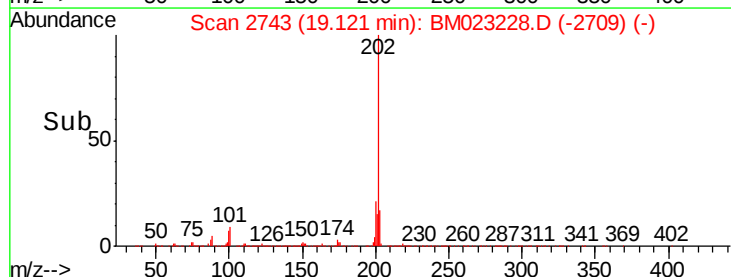
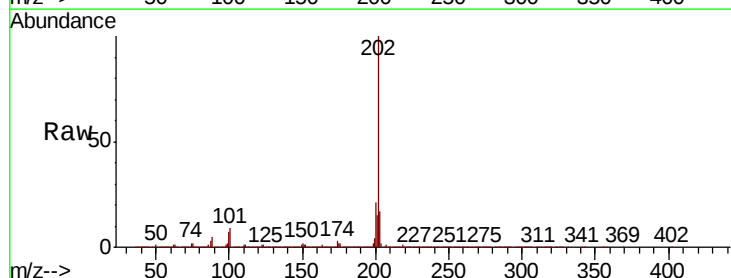
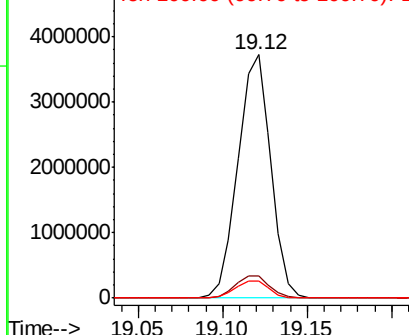
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.8	11.8
100	6.9	6.1	9.1

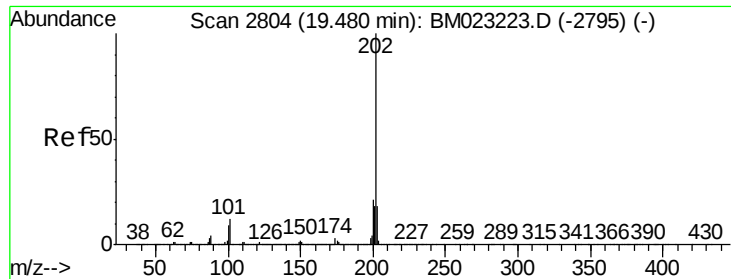
Abundance

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): E





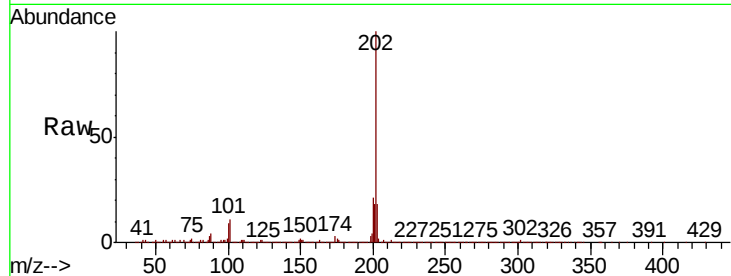
#80
Pvrene
Concen: 31.267 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Instrument :
BNA_M
ClientSampleId :
BEPM2

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.1	13.7
100	9.2	7.5	11.3

Manual Integrations
APPROVED

mohammad
10/20/2019 8:06:18 PM

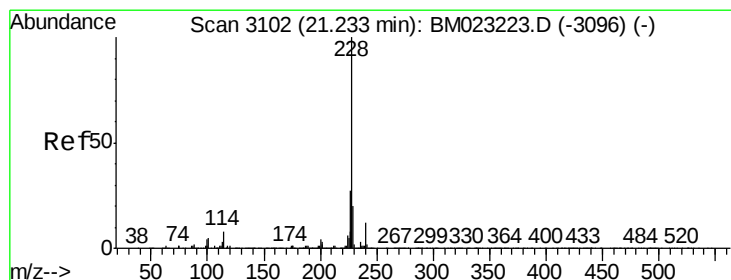
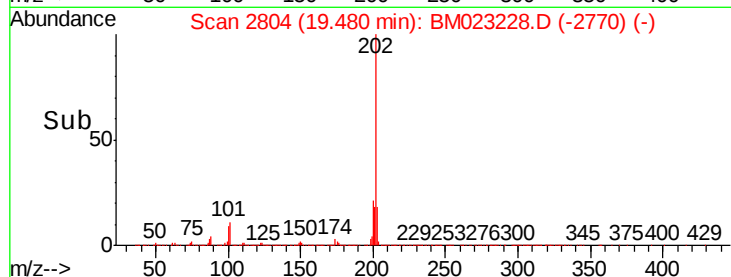
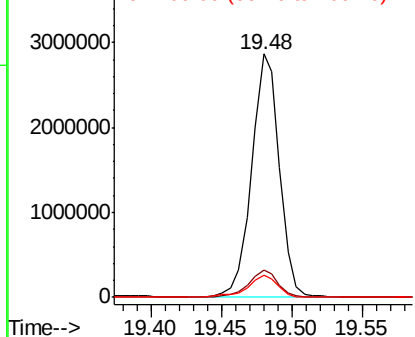


Abundance

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



#83
Benzo(a)anthracene
Concen: 17.526 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

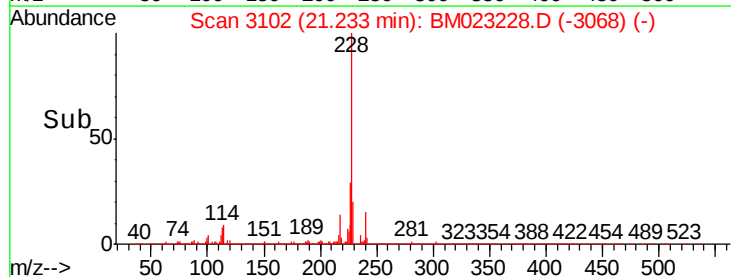
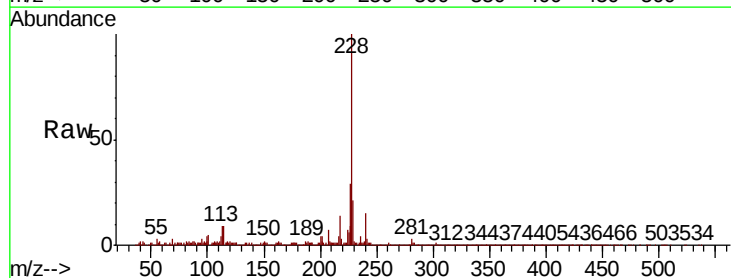
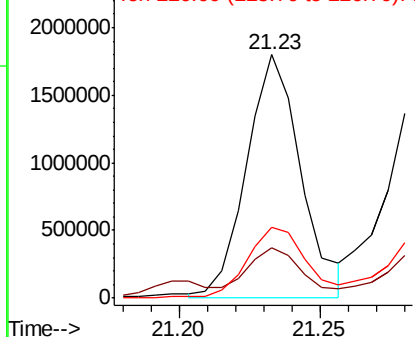
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	29.0	21.6	32.4

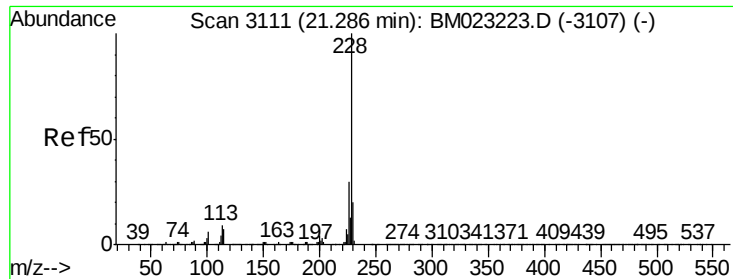
Abundance

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





#85

Chrysene

Concen: 17.105 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Instrument :

BNA_M

ClientSampleId :

BEPM2

Tot Ion:228 Resp: 2167075

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	22.1	15.5	23.3

228 100

226 30.1 23.8 35.6

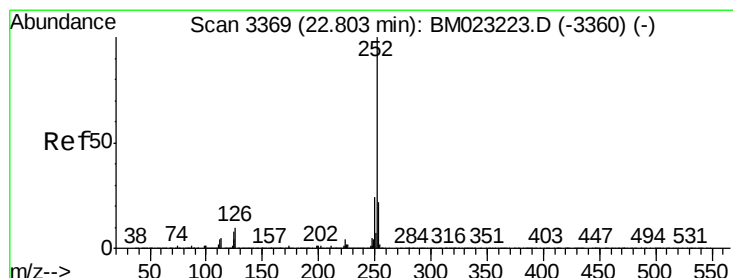
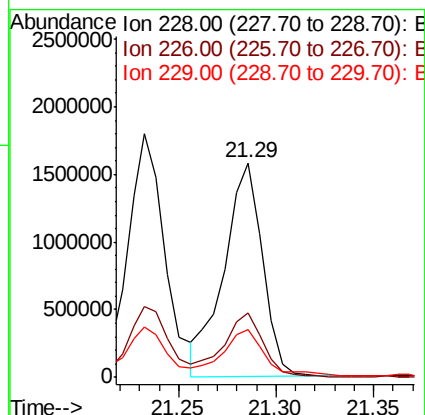
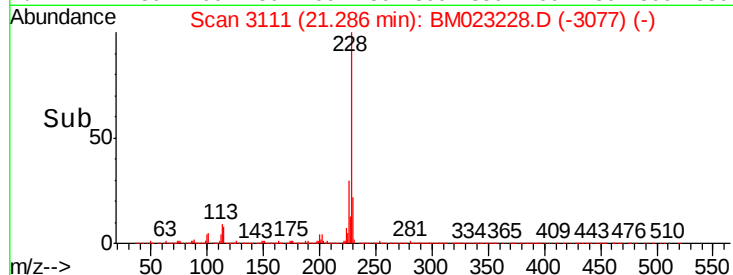
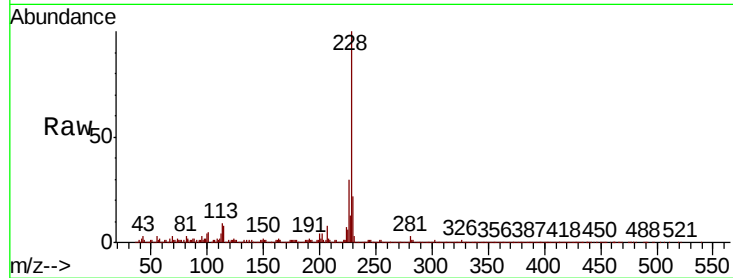
229 22.1 15.5 23.3

Manual Integrations

APPROVED

mohammad

10/20/2019 8:06:18 PM



#88

Benzo(b)fluoranthene

Concen: 21.179 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

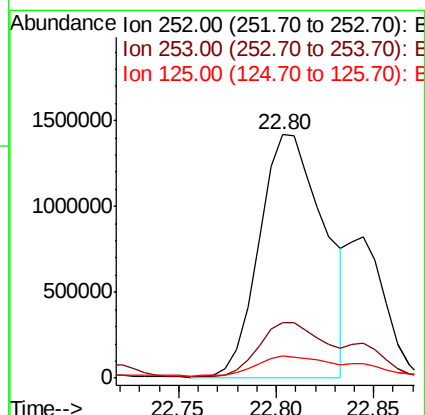
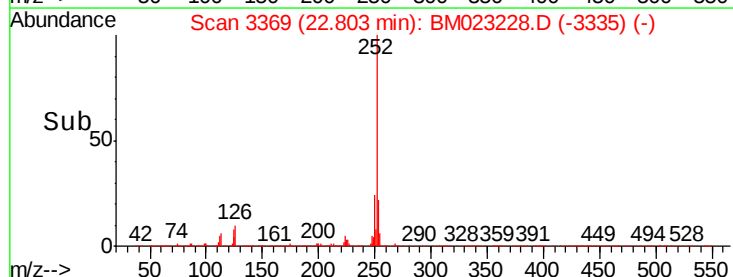
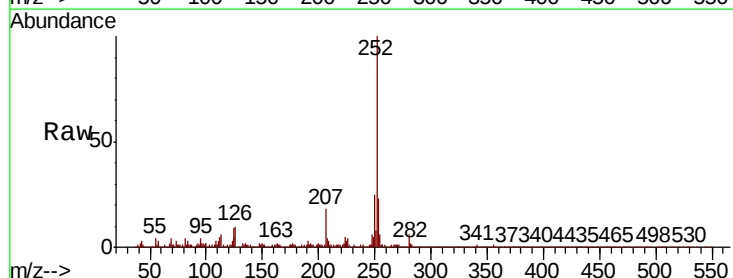
Tgt Ion:252 Resp: 3257655

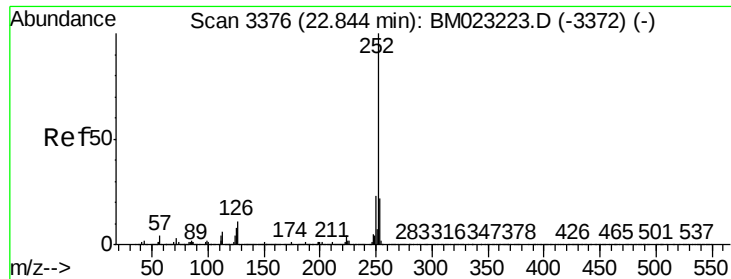
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.1	6.4	9.6

252 100

253 23.0 17.6 26.4

125 9.1 6.4 9.6





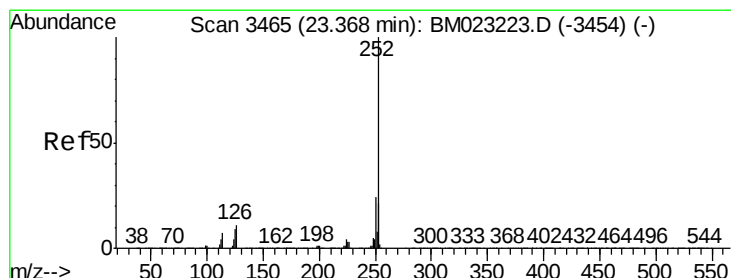
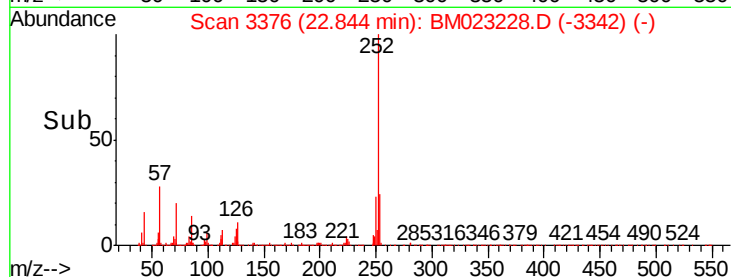
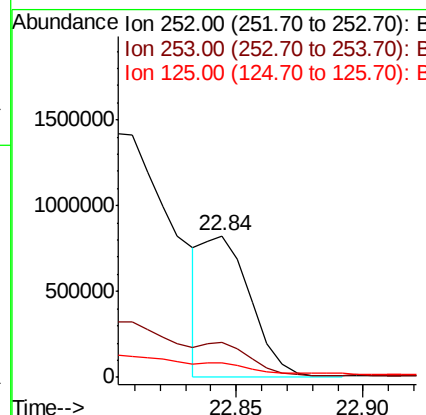
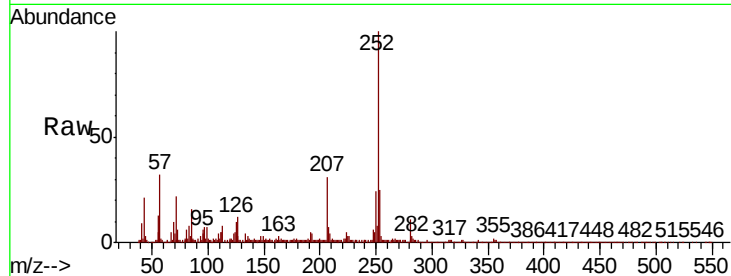
#89
Benzo(k)fluoranthene
Concen: 7.243 ng/ul m
RT: 22.84 min Scan# 3376
Delta R.T. 0.00 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Instrument :
BNA_M
ClientSampled :
BEPM2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	9.9	6.5	9.7#

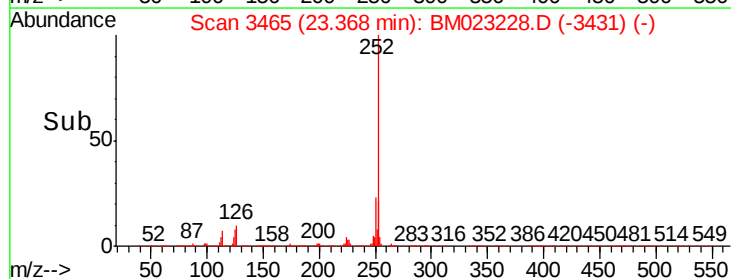
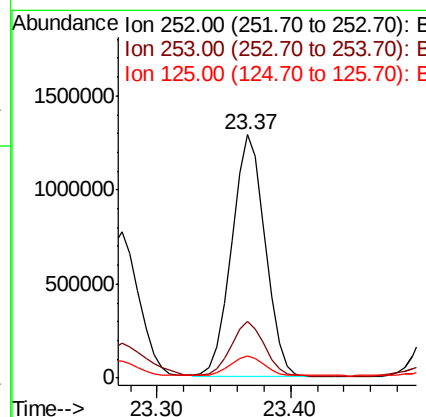
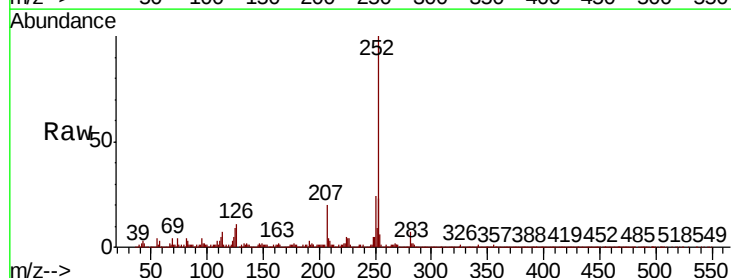
Manual Integrations
APPROVED

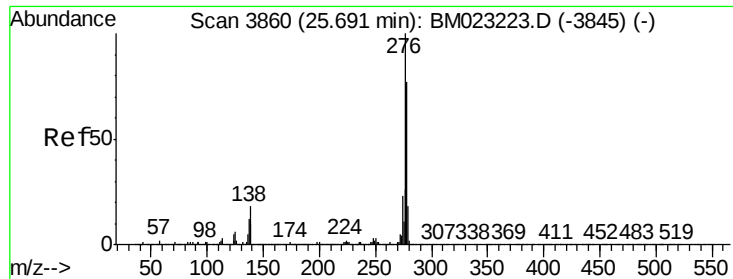
mohammad
10/20/2019 8:06:18 PM



#91
Benzo(a)pyrene
Concen: 15.297 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	9.0	7.4	11.0





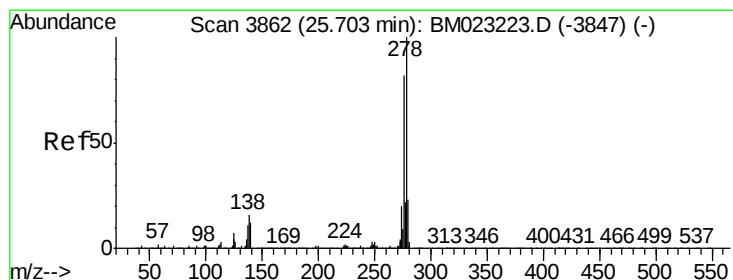
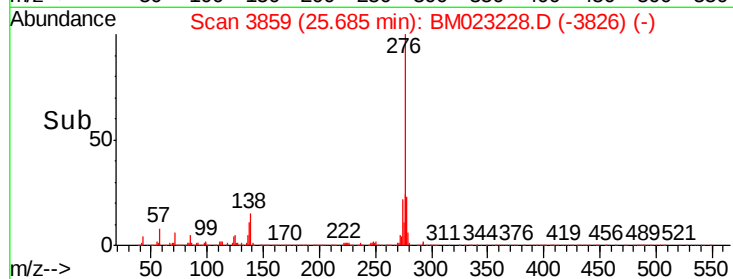
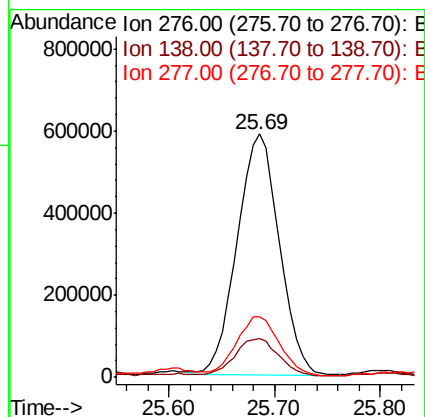
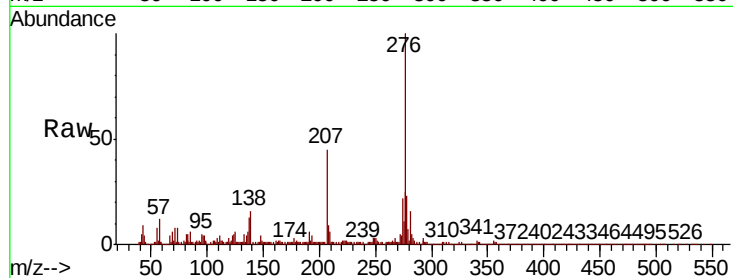
#92
Indeno(1,2,3-cd)pyrene
Concen: 9.280 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. -0.01 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Instrument :
BNA_M
ClientSampleId :
BEPM2

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	14.9	22.3
277	24.7	19.8	29.8

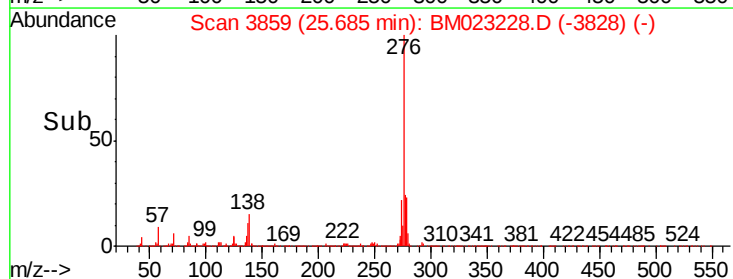
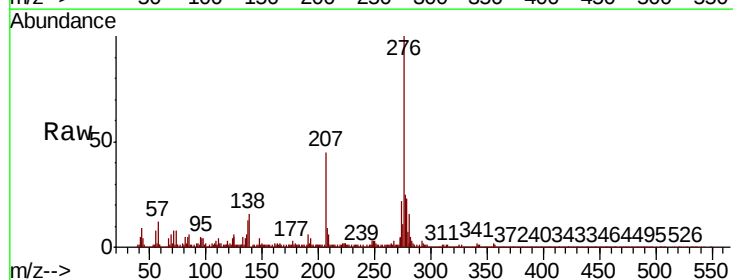
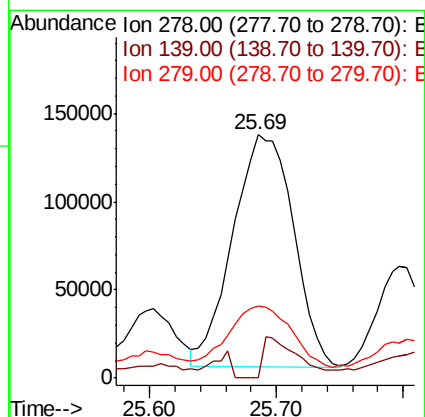
Manual Integrations
APPROVED

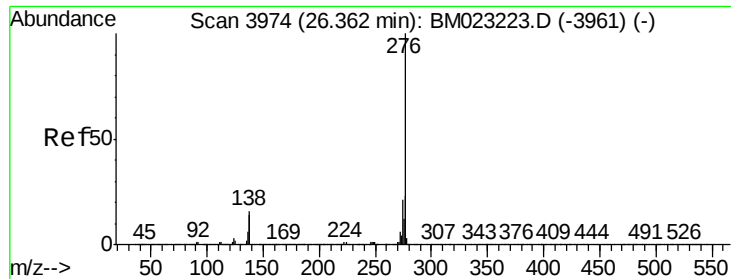
mohammad
10/20/2019 8:06:18 PM



#93
Dibenzo(a,h)anthracene
Concen: 2.993 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. -0.02 min
Lab File: BM023228.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	29.8	19.4	29.0#





#94

Benzo(a,h,i)perylene

Concen: 9.907 ng/ul

RT: 26.36 min Scan# 3974

Delta R.T. 0.00 min

Lab File: BM023228.D

Acq: 17 Oct 2019 20:18

Instrument :

BNA_M

ClientSampleId :

BEPM2

Tot Ion: 276 Resp: 1431993

Ion Ratio Lower Upper

276 100

138 16.5 14.4 21.6

277 24.3 19.4 29.2

Manual Integrations

APPROVED

mohammad

10/20/2019 8:06:18 PM

