

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
 Data File : BM025018.D
 Acq On : 22 Feb 2020 09:56
 Operator : CG/JU
 Sample : L1507-16
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBD14

Manual Integrations
 APPROVED

mohammad
 2/24/2020 3:38:52 PM

Quant Time: Feb 24 04:55:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 24 03:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	211316	20.00	ng/ul	0.00
18) Naphthalene-d8	10.09	136	900612	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.99	164	682490	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.75	188	1693466	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	2042506	20.00	ng/ul	0.02
86) Perylene-d12	23.05	264	2323141	20.00	ng/ul	0.01

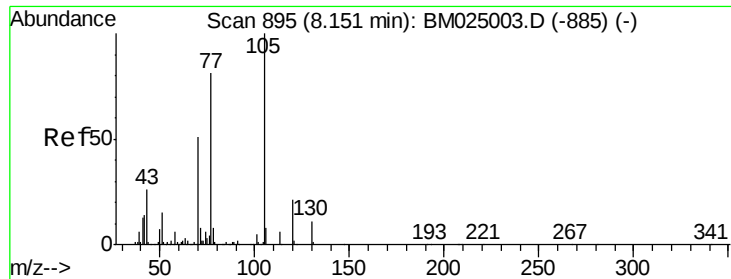
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.95	96	3086	0.70	ng/uL	0.01
5) Phenol-d5	6.54	99	47792	3.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	32154	4.06	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	41515m	3.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	34302	2.90	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	19234	2.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.19	143	21389	2.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.74	165	42068	2.71	ng/ul	0.01
29) 4-Chloroaniline-d4	10.25	131	27167	1.87	ng/ul	0.01
44) Dimethylphthalate-d6	13.42	166	184964	3.59	ng/ul	0.00
47) Acenaphthylene-d8	13.67	160	211536	3.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.25	143	11150m	1.33	ng/ul	0.02
58) Fluorene-d10	15.00	176	179408	3.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.14	200	23094	2.09	ng/ul	0.00
71) Anthracene-d10	16.85	188	308287	3.99	ng/ul	0.00
79) Pyrene-d10	19.17	212	388230	3.80	ng/ul	0.01
90) Benzo(a)pyrene-d12	22.93	264	459656m	3.94	ng/ul	0.01

Target Compounds

					Ovalue
14) Acetophenone	8.16	105	26996	1.446	ng/ul 99
48) Acenaphthylene	13.70	152	500528	8.032	ng/ul 96
50) Acenaphthene	14.06	153	4272226	101.512	ng/ul 98
59) Fluorene	15.05	166	301825	5.838	ng/ul# 98
70) Phenanthrene	16.79	178	2108385	22.834	ng/ul 100
72) Anthracene	16.88	178	2954122	31.546	ng/ul 99
77) Fluoranthene	18.83	202	31681010m	279.493	ng/ul
80) Pyrene	19.19	202	28462796m	210.525	ng/ul
83) Benzo(a)anthracene	20.96	228	18645222m	135.521	ng/ul
85) Chrysene	21.02	228	18649362m	137.684	ng/ul
88) Benzo(b)fluoranthene	22.46	252	22512748m	152.397	ng/ul
89) Benzo(k)fluoranthene	22.50	252	7398928	52.036	ng/ul 96
91) Benzo(a)pyrene	22.97	252	10869256	82.069	ng/ul# 97
92) Indeno(1,2,3-cd)pyrene	25.07	276	4799182	29.107	ng/ul 99
93) Dibenzo(a,h)anthracene	25.07	278	1296953m	9.232	ng/ul
94) Benzo(g,h,i)perylene	25.68	276	3281875	23.932	ng/ul 99

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



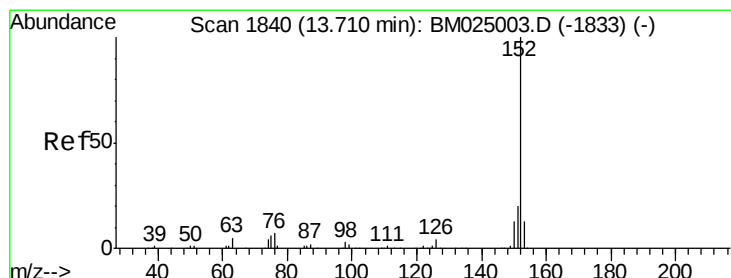
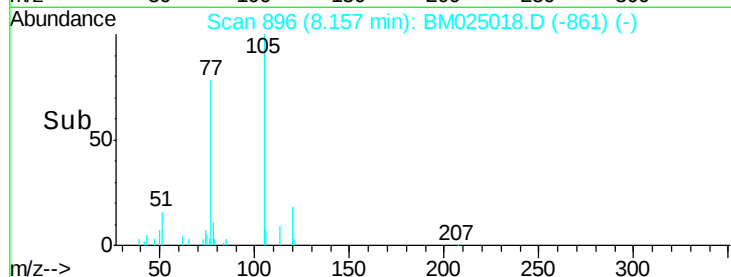
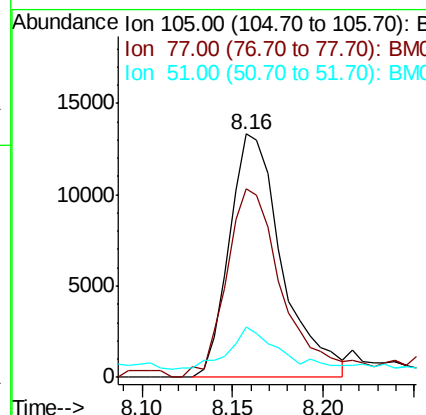
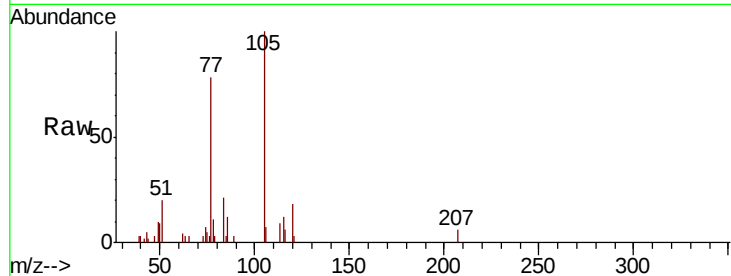
#14
Acetophenone
Concen: 1.446 ng/ul
RT: 8.16 min Scan# 896
Delta R.T. 0.01 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Instrument :
BNA_M
ClientSampleId :
DBD14

Tot Ion:	105	Resp:	26996
Ion Ratio	Lower	Upper	
105	100		
77	77.6	61.6	92.4
51	20.5	16.7	25.1

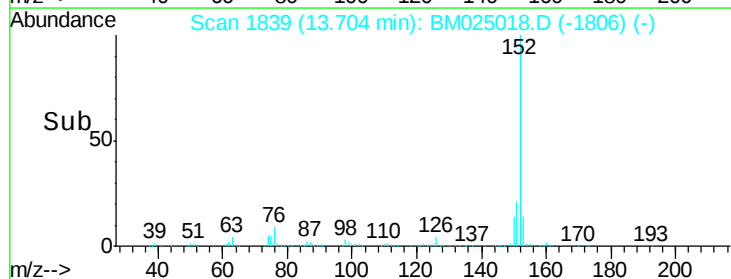
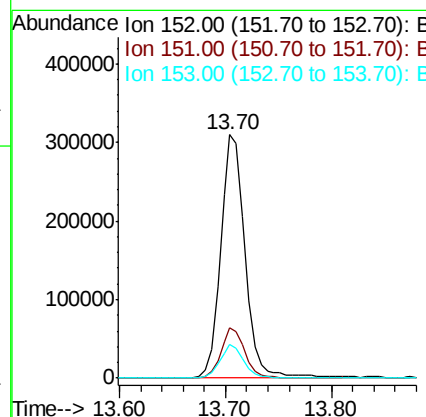
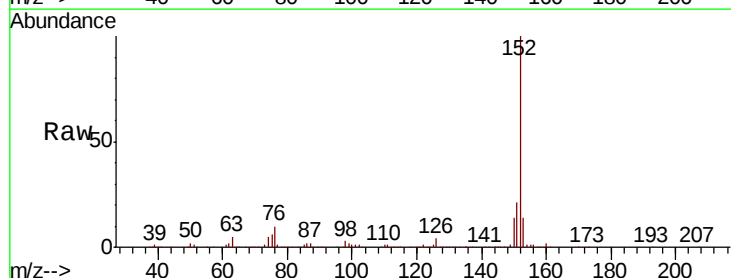
Manual Integrations
APPROVED

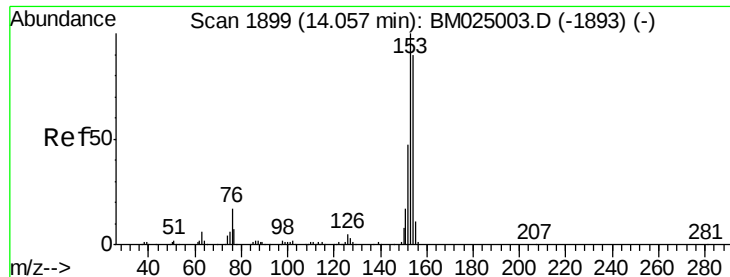
mohammad
2/24/2020 3:38:52 PM



#48
Acenaphthylene
Concen: 8.032 ng/ul
RT: 13.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Tgt Ion:	152	Resp:	500528
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.1	22.7
153	14.0	10.1	15.1





#50

Acenaphthene

Concen: 101.512 ng/ul

RT: 14.06 min Scan# 1900

Delta R.T. 0.01 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

Instrument :

BNA_M

ClientSampleId :

DBD14

Tot Ion:153 Resp: 4272226

Ion Ratio Lower Upper

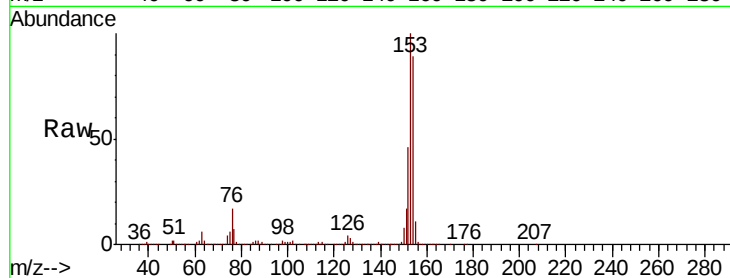
153 100

152 46.5 37.3 55.9

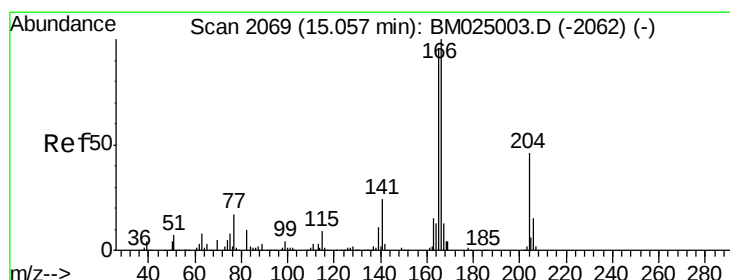
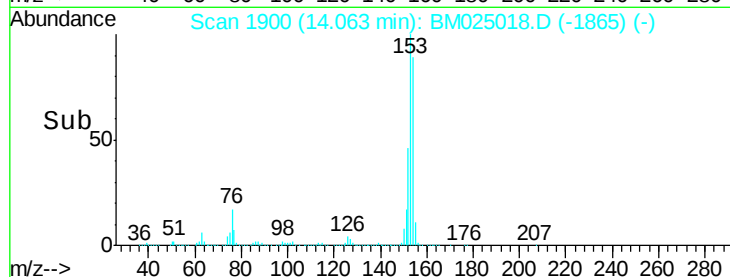
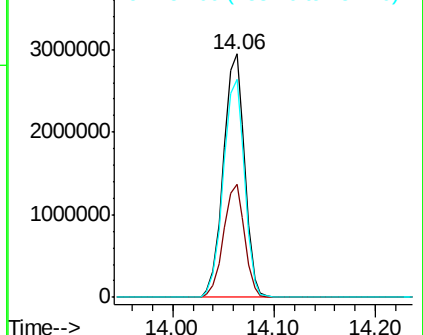
154 89.5 74.1 111.1

Manual Integrations
APPROVED

mohammad
2/24/2020 3:38:52 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 5.838 ng/ul

RT: 15.05 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

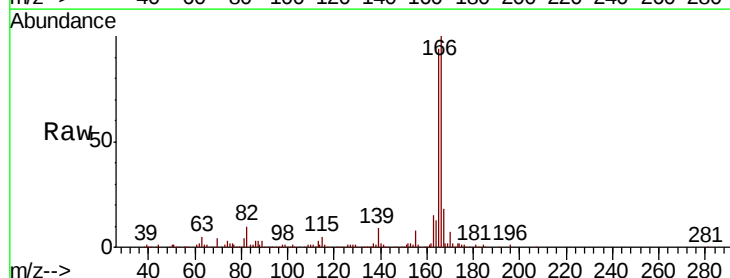
Tgt Ion:166 Resp: 301825

Ion Ratio Lower Upper

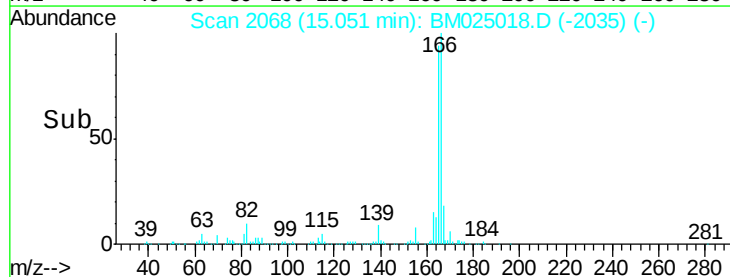
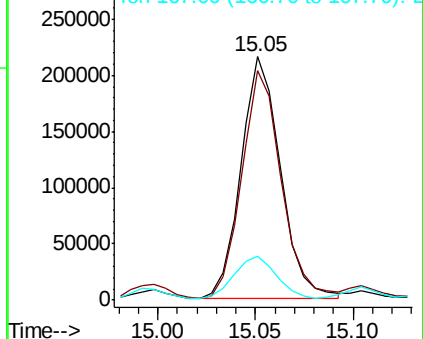
166 100

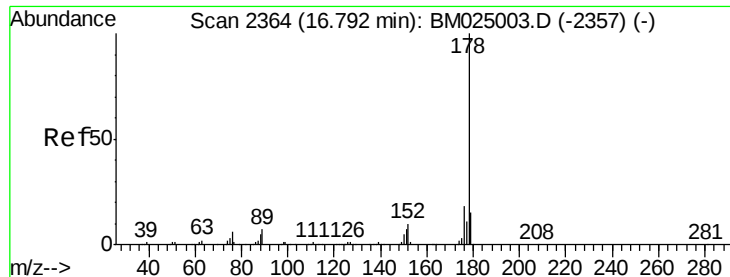
165 94.1 75.8 113.8

167 18.0 10.6 16.0#



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





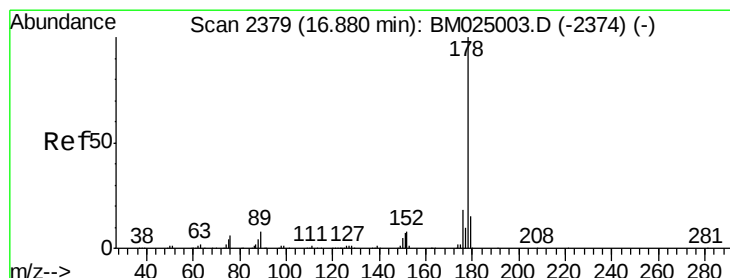
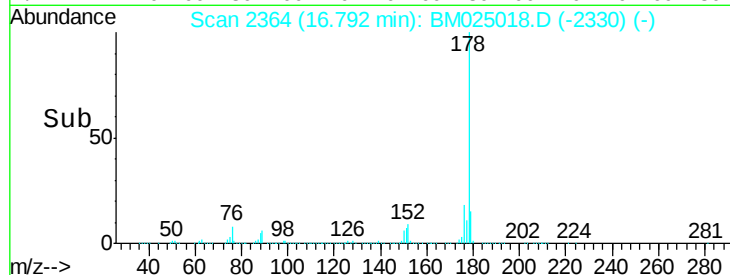
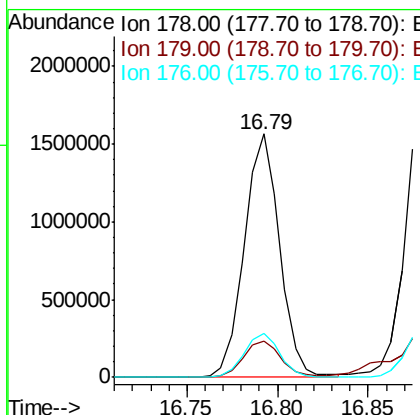
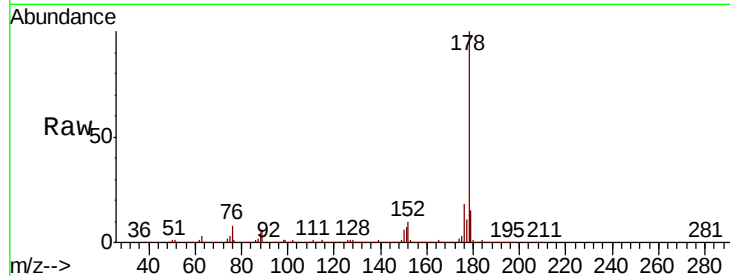
#70
Phenanthrene
Concen: 22.834 ng/ul
RT: 16.79 min Scan# 2364
Delta R.T. 0.00 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Instrument :
BNA_M
ClientSampleId :
DBD14

Tot Ion:178 Resp: 2108385
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.2
176 18.1 14.5 21.7

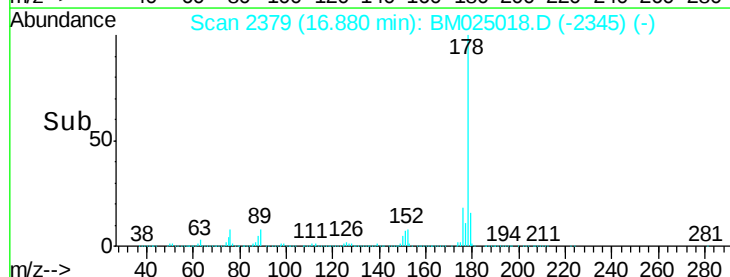
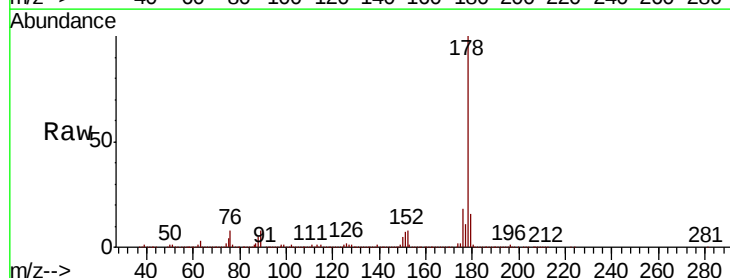
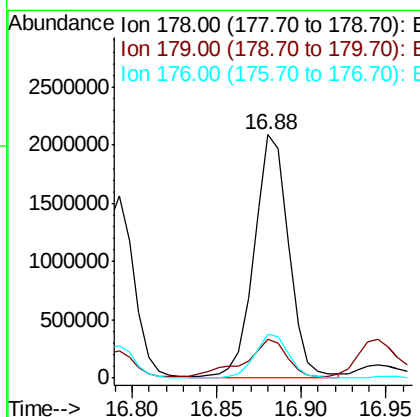
Manual Integrations
APPROVED

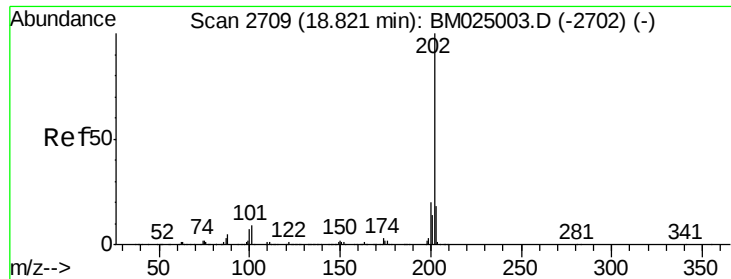
mohammad
2/24/2020 3:38:52 PM



#72
Anthracene
Concen: 31.546 ng/ul
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Tgt Ion:178 Resp: 2954122
Ion Ratio Lower Upper
178 100
179 16.1 12.3 18.5
176 18.1 14.1 21.1





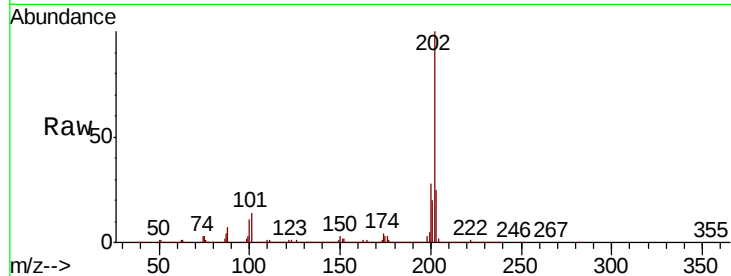
#77
 Fluoranthene
 Concen: 279.493 ng/ul m
 RT: 18.83 min Scan# 2710
 Delta R.T. 0.01 min
 Lab File: BM025018.D
 Acq: 22 Feb 2020 09:56

Instrument :
 BNA_M
 ClientSampled :
 DBD14

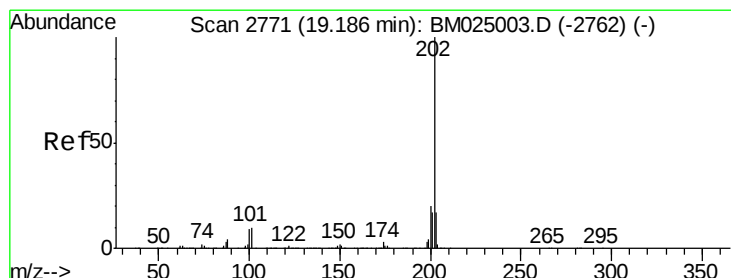
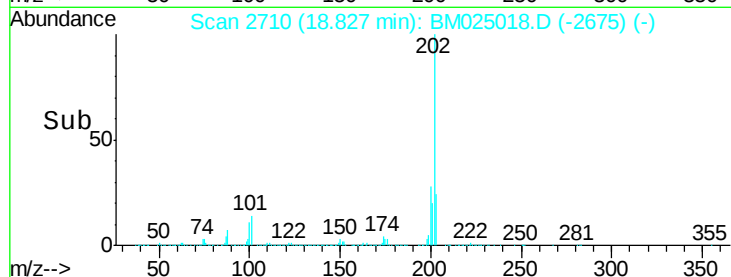
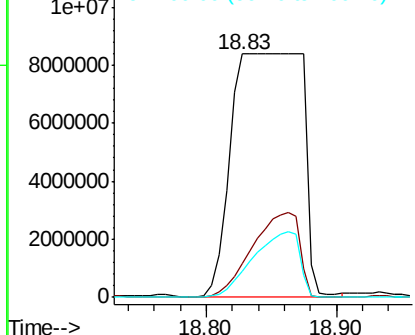
Tot Ion:202 Resp:31681010
 Ion Ratio Lower Upper
 202 100
 101 14.0 6.1 9.1#
 100 10.8 4.8 7.2#

Manual Integrations
 APPROVED

mohammad
 2/24/2020 3:38:52 PM

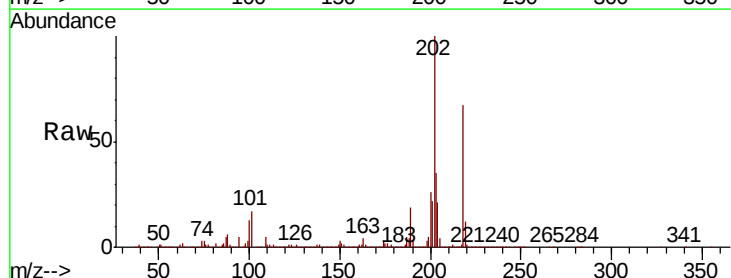


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

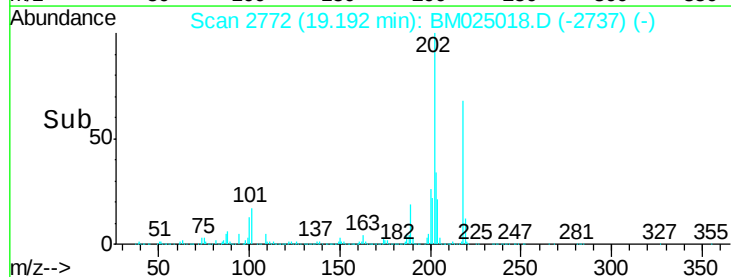
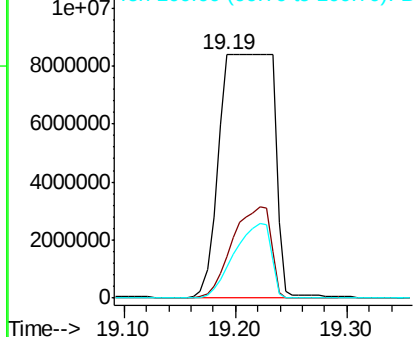


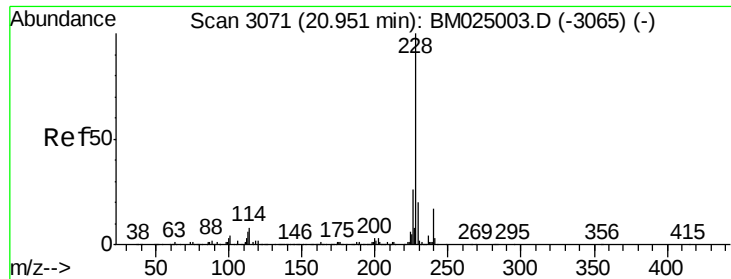
#80
 Pyrene
 Concen: 210.525 ng/ul m
 RT: 19.19 min Scan# 2772
 Delta R.T. 0.01 min
 Lab File: BM025018.D
 Acq: 22 Feb 2020 09:56

Tgt Ion:202 Resp:28462796
 Ion Ratio Lower Upper
 202 100
 101 17.2 7.0 10.4#
 100 12.6 5.8 8.8#



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





#83

Benzo(a)anthracene

Concen: 135.521 ng/ul m

RT: 20.96 min Scan# 3073

Delta R.T. 0.01 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

Instrument :

BNA_M

ClientSampled :

DBD14

Tot Ion:228 Resp:18645222

Ion Ratio Lower Upper

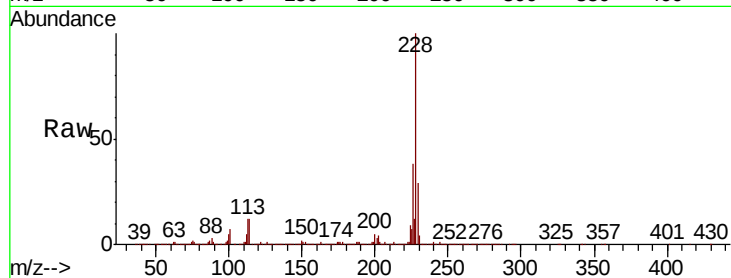
228 100

229 28.7 15.9 23.9#

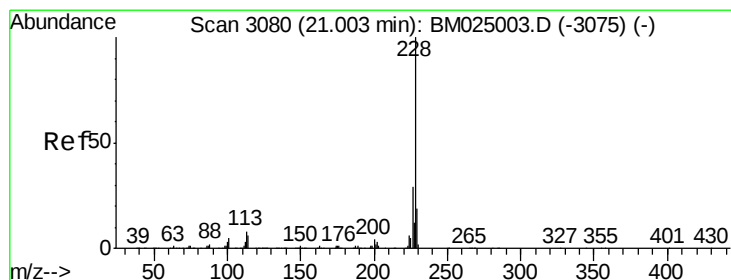
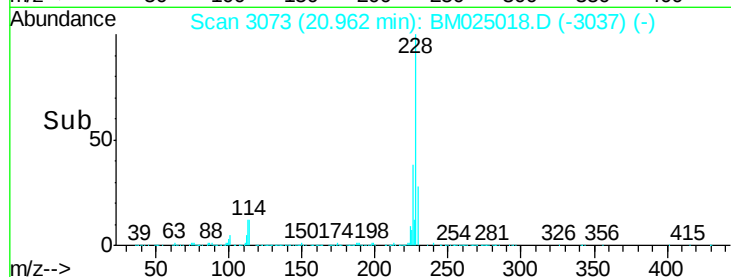
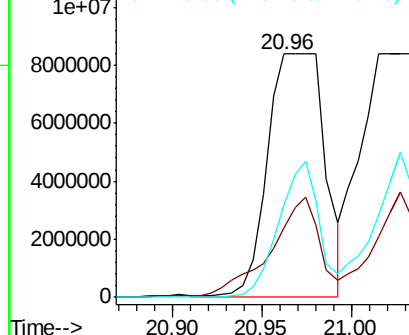
226 38.3 20.8 31.2#

Manual Integrations
APPROVED

mohammad
2/24/2020 3:38:52 PM



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: 137.684 ng/ul m

RT: 21.02 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

Tgt Ion:228 Resp:18649362

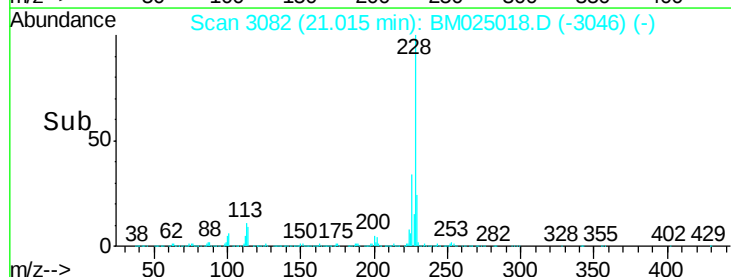
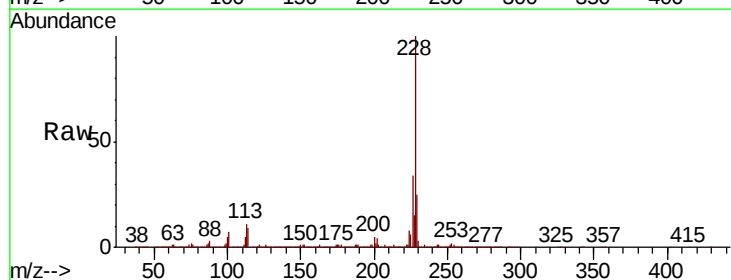
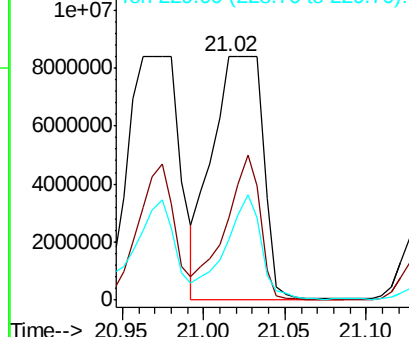
Ion Ratio Lower Upper

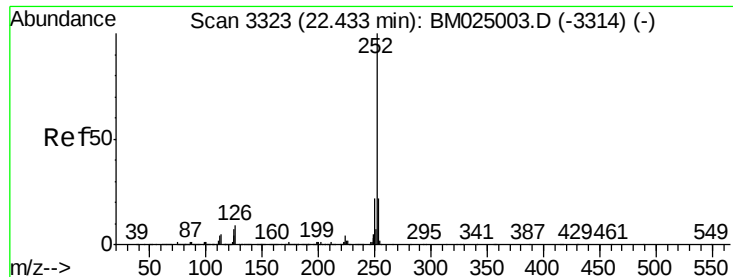
228 100

226 33.9 23.0 34.4

229 24.7 15.8 23.8#

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





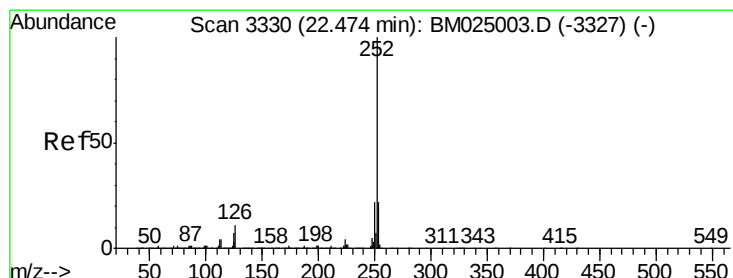
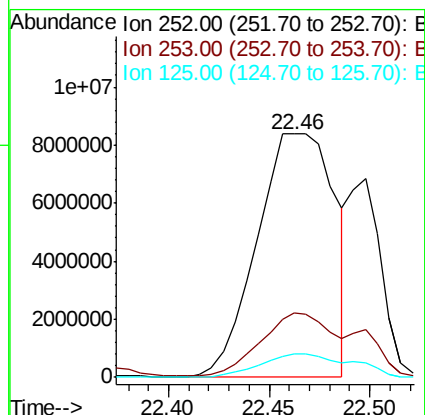
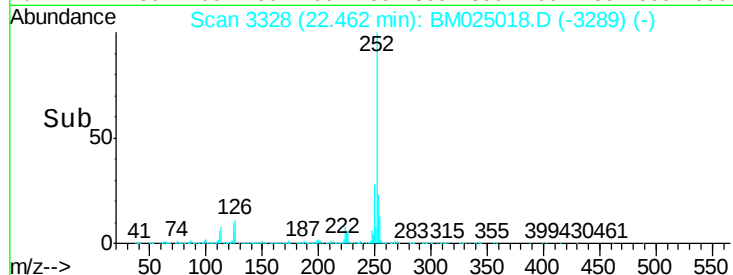
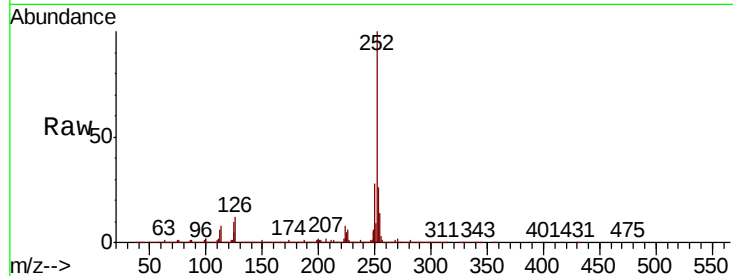
#88
Benzo(b)fluoranthene
Concen: 152.397 ng/ul
RT: 22.46 min Scan# 3328
Delta R.T. 0.03 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Instrument :
BNA_M
ClientSampled :
DBD14

Tot Ion:252 Resp:22512748
Ion Ratio Lower Upper
252 100
253 26.2 17.3 25.9#
125 9.9 5.1 7.7#

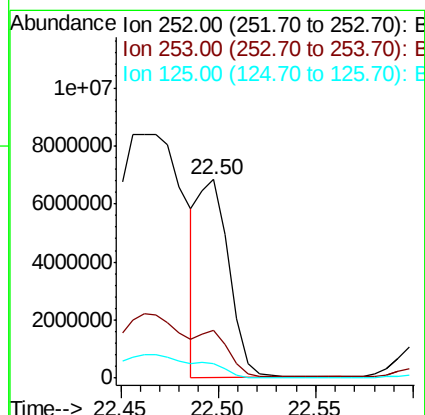
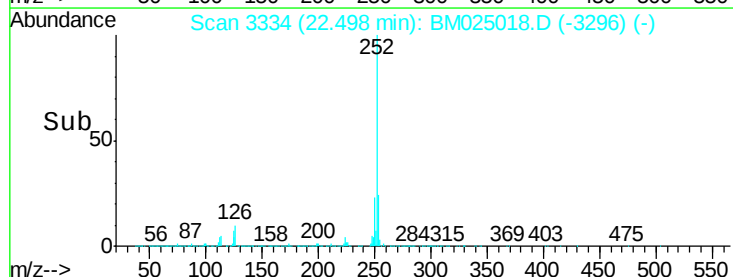
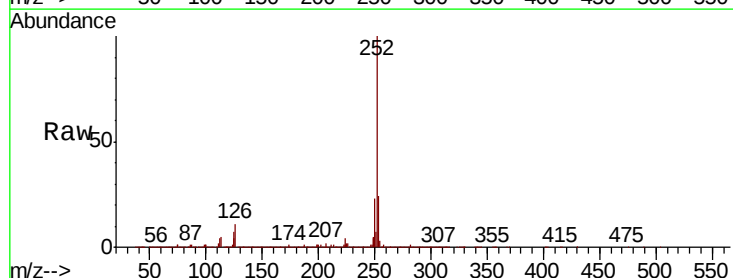
Manual Integrations
APPROVED

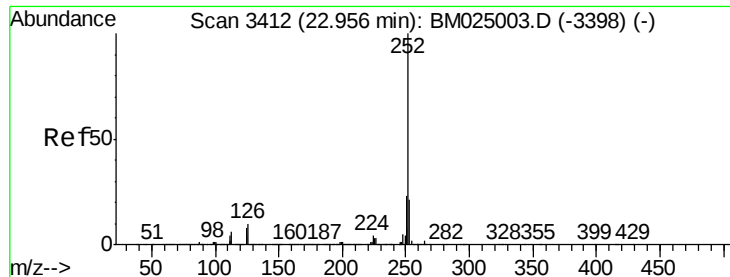
mohammad
2/24/2020 3:38:52 PM



#89
Benzo(k)fluoranthene
Concen: 52.036 ng/ul
RT: 22.50 min Scan# 3334
Delta R.T. 0.02 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Tgt Ion:252 Resp: 7398928
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 7.5 5.1 7.7





#91

Benzo(a)pyrene

Concen: 82.069 ng/u1

RT: 22.97 min Scan# 3415

Delta R.T. 0.02 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

Instrument :

BNA_M

ClientSampleId :

DBD14

Tot Ion:252 Resp:10869256

Ion Ratio Lower Upper

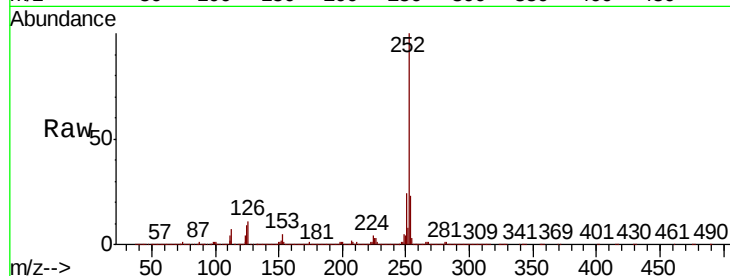
252 100

253 23.0 17.5 26.3

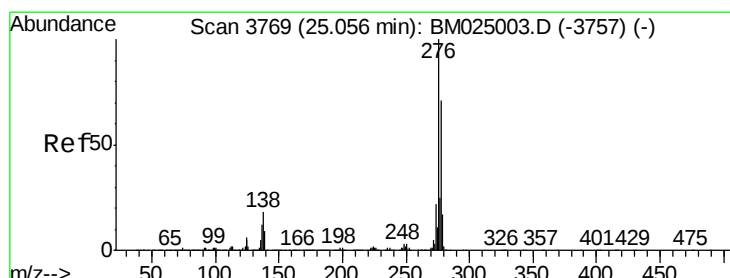
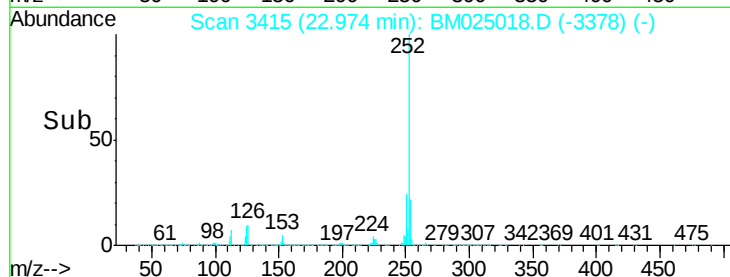
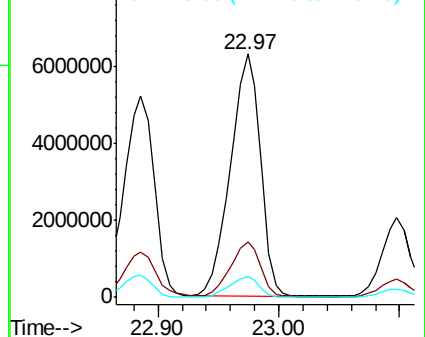
125 8.6 5.6 8.4#

Manual Integrations
APPROVED

mohammad
2/24/2020 3:38:52 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



#92

Indeno(1,2,3-cd)pyrene

Concen: 29.107 ng/u1

RT: 25.07 min Scan# 3772

Delta R.T. 0.02 min

Lab File: BM025018.D

Acq: 22 Feb 2020 09:56

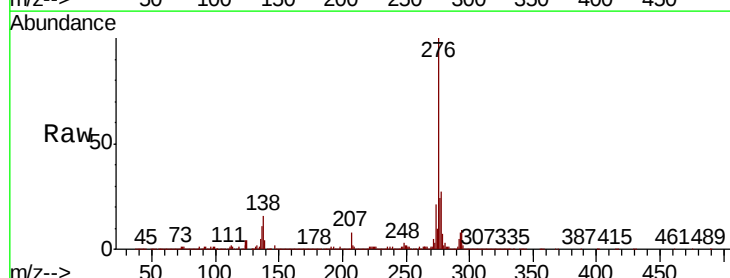
Tgt Ion:276 Resp: 4799182

Ion Ratio Lower Upper

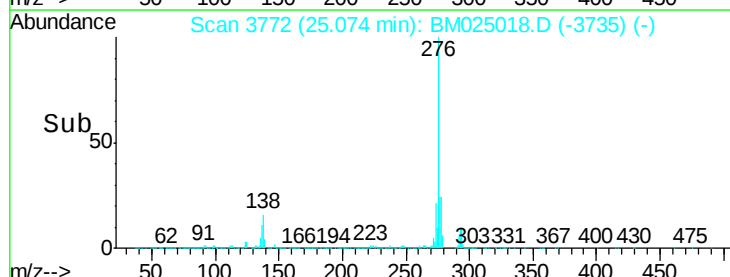
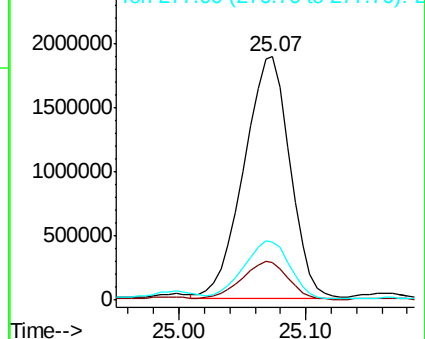
276 100

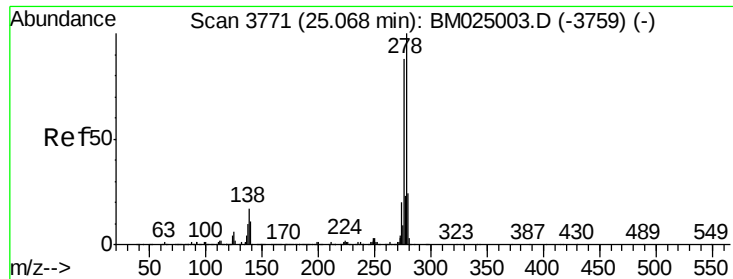
138 15.6 12.8 19.2

277 23.9 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





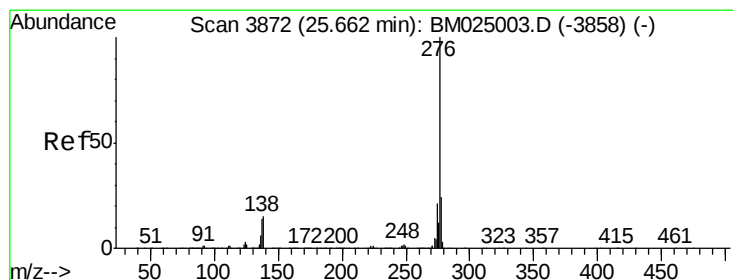
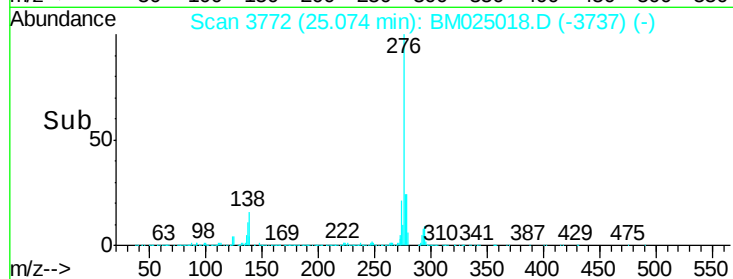
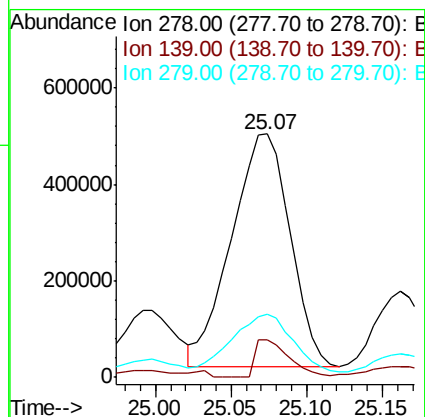
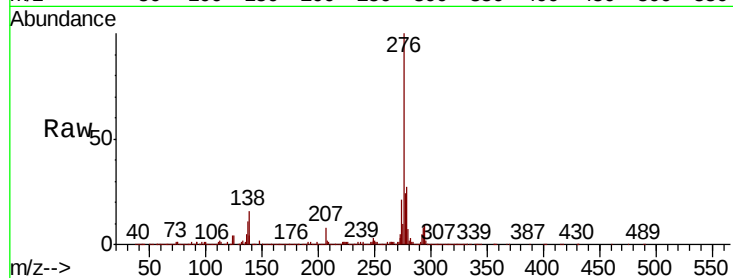
#93
Dibenzo(a,h)anthracene
Concen: 9.232 ng/ul m
RT: 25.07 min Scan# 3772
Delta R.T. 0.01 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Instrument :
BNA_M
ClientSampleId :
DBD14

Tot Ion:278 Resp: 1296953
Ion Ratio Lower Upper
278 100
139 15.2 8.4 12.6#
279 25.8 18.5 27.7

Manual Integrations
APPROVED

mohammad
2/24/2020 3:38:52 PM



#94
Benzo(g,h,i)perylene
Concen: 23.932 ng/ul
RT: 25.68 min Scan# 3875
Delta R.T. 0.02 min
Lab File: BM025018.D
Acq: 22 Feb 2020 09:56

Tgt Ion:276 Resp: 3281875
Ion Ratio Lower Upper
276 100
138 15.8 11.8 17.6
277 23.6 19.0 28.6

