

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080221\
 Data File : BM031407.D
 Acq On : 03 Aug 2021 11:06
 Operator : CG/JU
 Sample : M3123-20
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0081

Manual Integrations
 APPROVED

mohammad
 8/4/2021 3:47:39 PM

Quant Time: Aug 03 12:06:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 02 11:29:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.600	152	1477	0.40	ng/ul	0.00
4) Naphthalene-d8	10.360	136	5628	0.40	ng/ul	# 0.00
9) Acenaphthene-d10	14.227	164	3686	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.978	188	6661	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.169	240	5033	0.40	ng/ul	# 0.00
23) Perylene-d12	23.332	264	4996	0.40	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.192	96	2031	1.24	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.952	152	1186	0.13	ng/ul	0.00
18) Fluoranthene-d10	19.008	212	2500	0.15	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.409	128	17679	1.05	ng/ul	98
7) 2-Methylnaphthalene	12.028	142	47149	4.12	ng/ul	99
8) 1-Methylnaphthalene	12.248	142	22380	1.98	ng/ul	99
10) Acenaphthylene	13.949	152	2487	0.16	ng/ul#	86
11) Acenaphthene	14.291	153	1983m	0.15	ng/ul	
12) Fluorene	15.281	166	2636	0.17	ng/ul#	64
15) Phenanthrene	17.019	178	68500	3.24	ng/ul	98
16) Anthracene	17.110	178	5715	0.29	ng/ul#	95
19) Fluoranthene	19.038	202	75488	3.51	ng/ul#	96
20) Pyrene	19.401	202	68244	3.13	ng/ul	96
21) Benzo(a)anthracene	21.155	228	33649	1.66	ng/ul#	89
22) Chrysene	21.206	228	60759	2.89	ng/ul#	96
24) Benzo(b)fluoranthene	22.690	252	49173m	2.18	ng/ul	
25) Benzo(k)fluoranthene	22.729	252	13764m	0.59	ng/ul	
26) Benzo(a)pyrene	23.240	252	18533	0.94	ng/ul#	71
27) Indeno(1,2,3-cd)pyrene	25.469	276	17317	0.68	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.476	278	6489	0.32	ng/ul#	46
29) Benzo(g,h,i)perylene	26.125	276	1336	0.06	ng/ul#	12

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

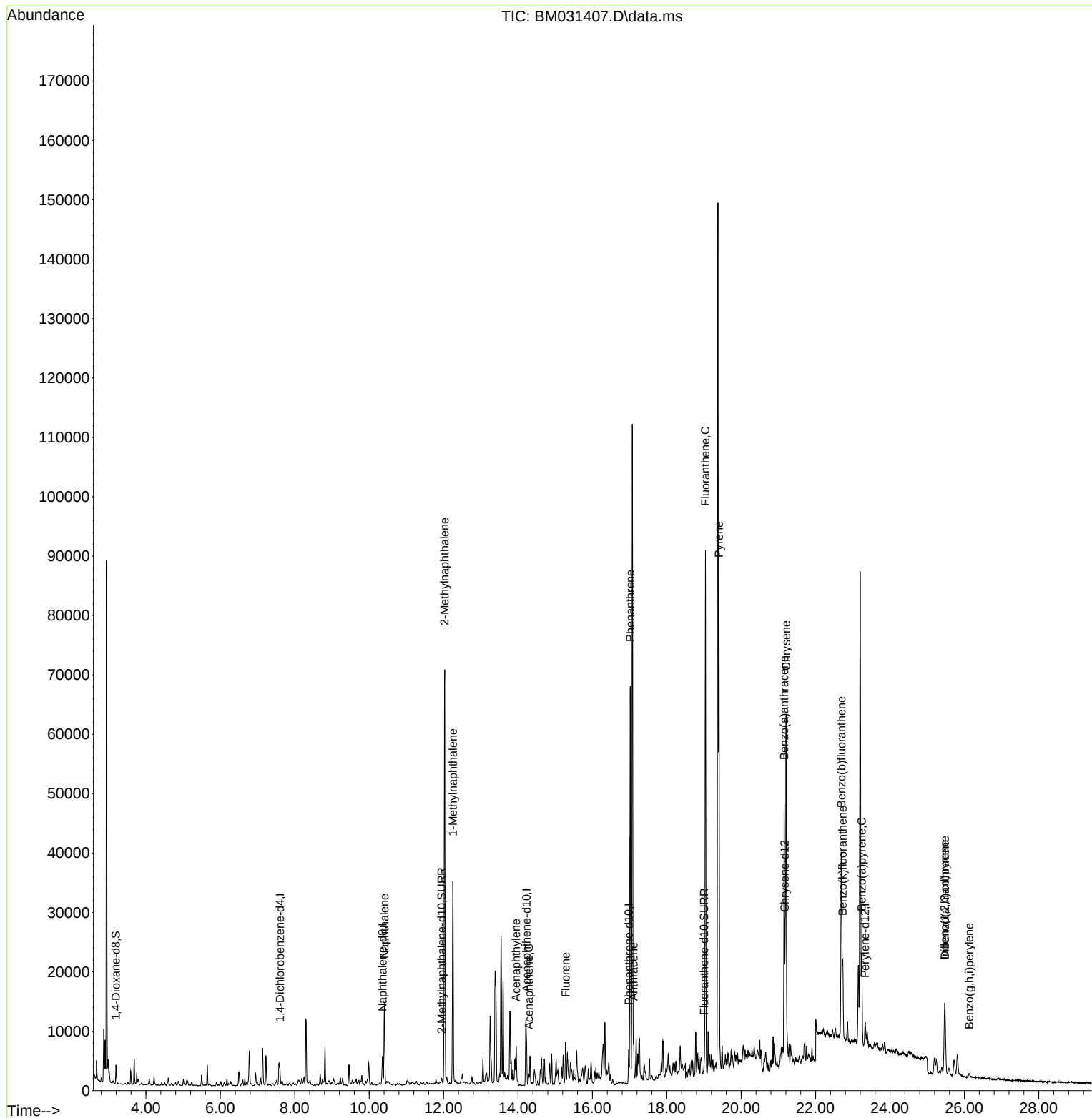
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080221\
Data File : BM031407.D
Acq On : 03 Aug 2021 11:06
Operator : CG/JU
Sample : M3123-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

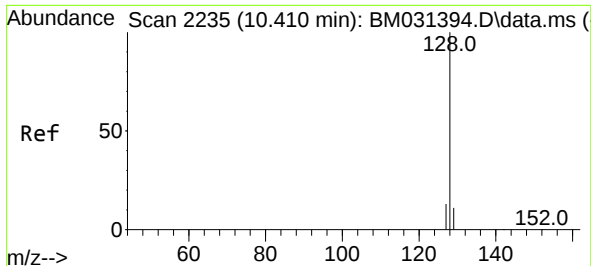
Instrument :
BNA_M
ClientSampleId :
C0081

Manual Integrations
APPROVED

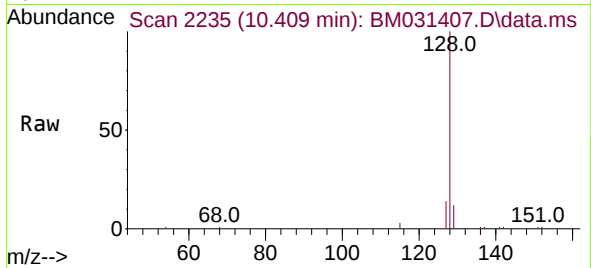
mohammad
8/4/2021 3:47:39 PM

Quant Time: Aug 03 12:06:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 02 11:29:41 2021
Response via : Initial Calibration

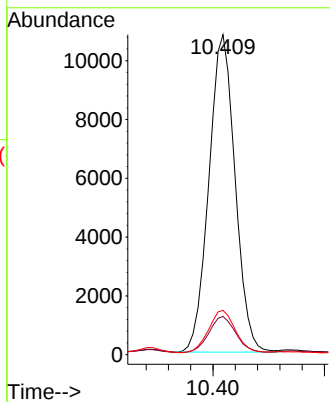
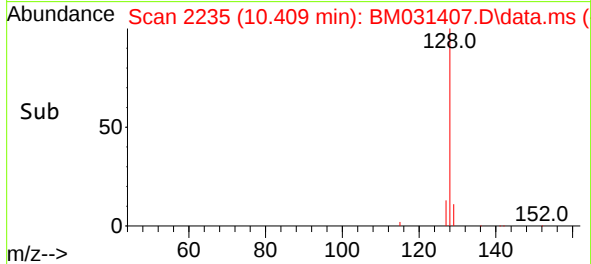




#5
Naphthalene
Concen: 1.05 ng/ul
RT: 10.409 min Scan# 2235
Delta R.T. -0.001 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



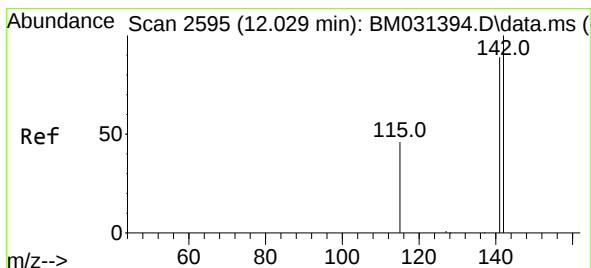
Tgt Ion:128 Resp: 17679
Ion Ratio Lower Upper
128 100
129 11.9 10.0 15.0
127 13.8 11.6 17.4



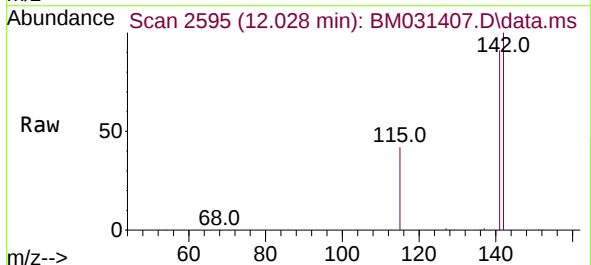
Instrument :
BNA_M
ClientSampled :
C0081

Manual Integrations
APPROVED

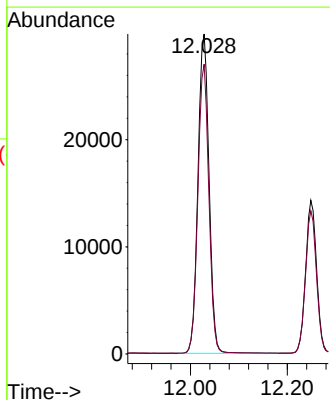
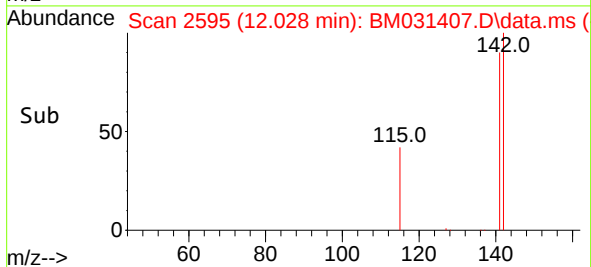
mohammad
8/4/2021 3:47:39 PM

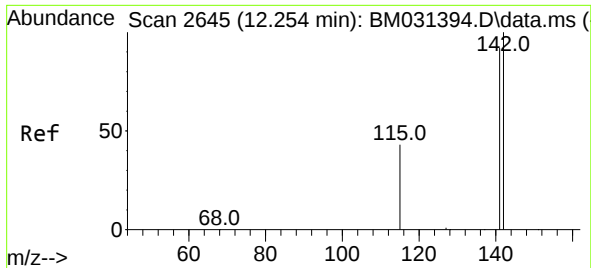


#7
2-Methylnaphthalene
Concen: 4.12 ng/ul
RT: 12.028 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



Tgt Ion:142 Resp: 47149
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.0





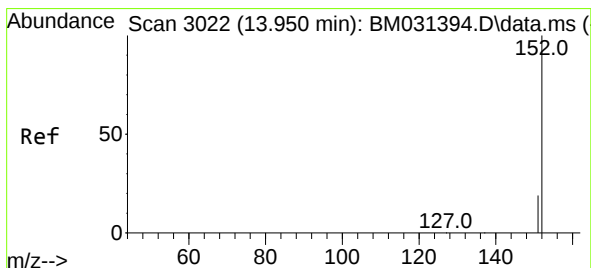
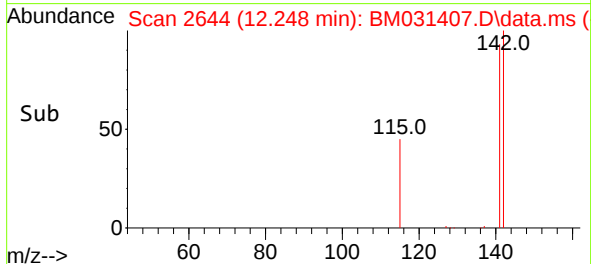
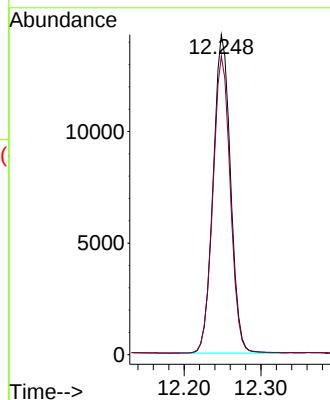
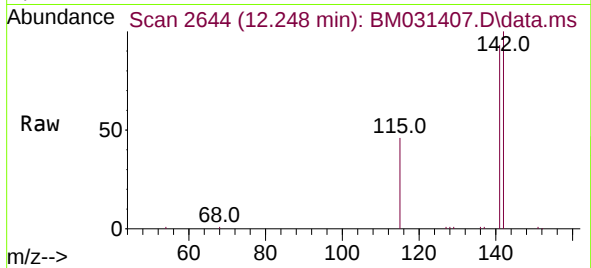
#8
1-Methylnaphthalene
Concen: 1.98 ng/ul
RT: 12.248 min Scan# 2644
Delta R.T. -0.006 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:142 Resp: 22380
Ion Ratio Lower Upper
142 100
141 93.3 74.1 111.1

Instrument :
BNA_M
ClientSampled :
C0081

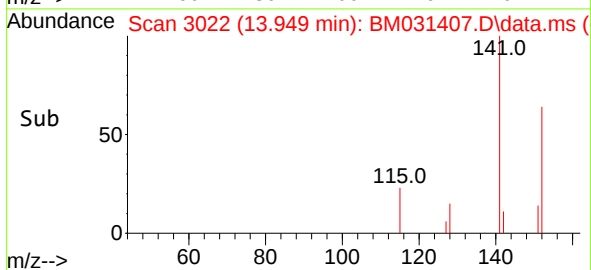
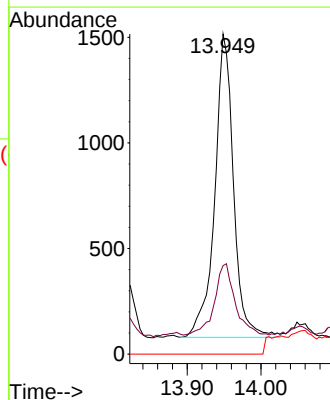
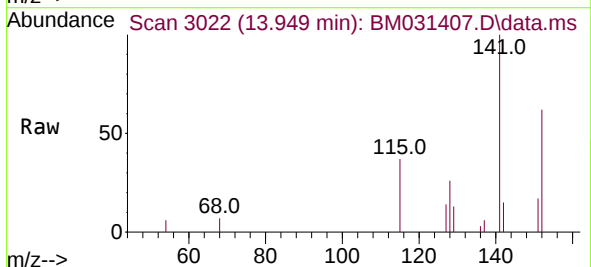
Manual Integrations
APPROVED

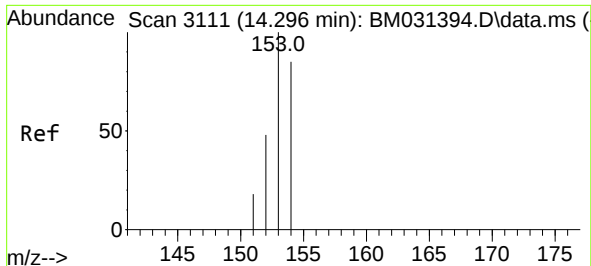
mohammad
8/4/2021 3:47:39 PM



#10
Acenaphthylene
Concen: 0.16 ng/ul
RT: 13.949 min Scan# 3022
Delta R.T. -0.006 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

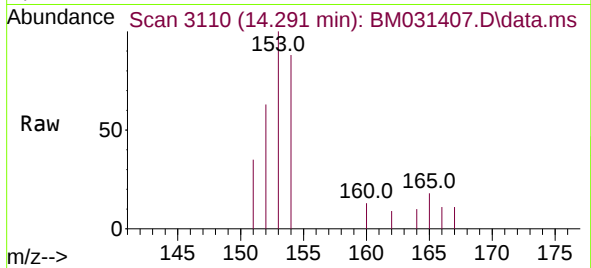
Tgt Ion:152 Resp: 2487
Ion Ratio Lower Upper
152 100
151 27.6 16.9 25.3#
153 0.0 0.0 0.0





#11
Acenaphthene
Concen: 0.15 ng/ul m
RT: 14.291 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

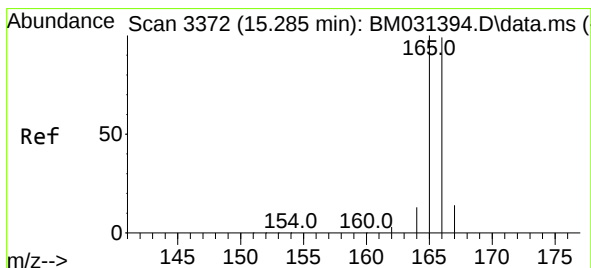
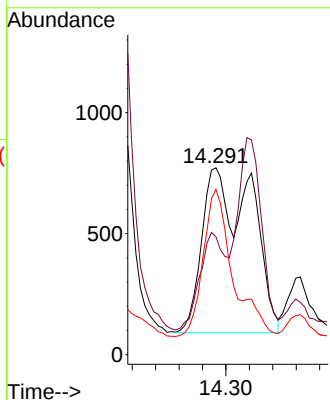
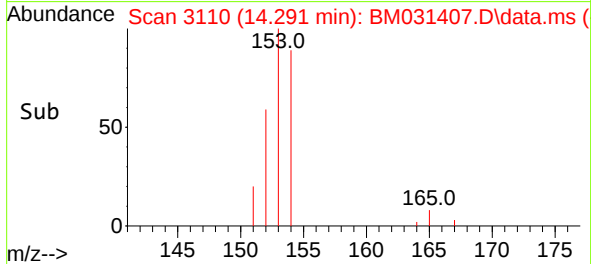
Instrument :
BNA_M
ClientSampled :
C0081



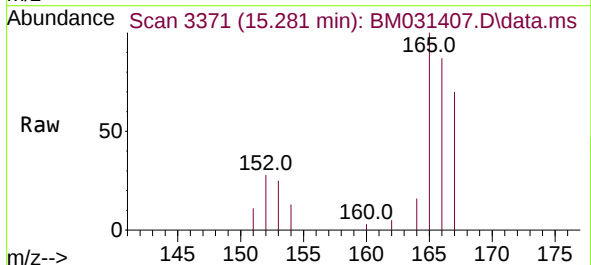
Tgt Ion:153 Resp: 1983
Ion Ratio Lower Upper
153 100
152 63.1 40.7 61.1#
154 88.5 70.2 105.2

Manual Integrations
APPROVED

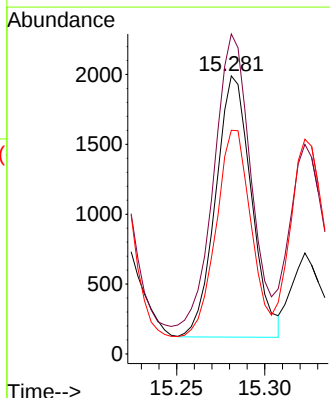
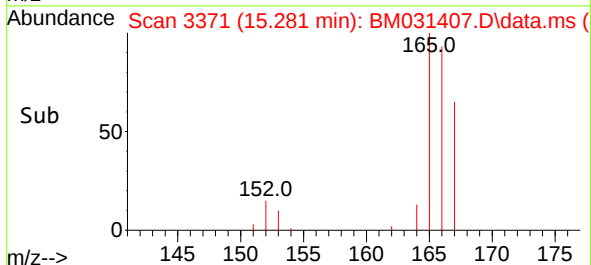
mohammad
8/4/2021 3:47:39 PM

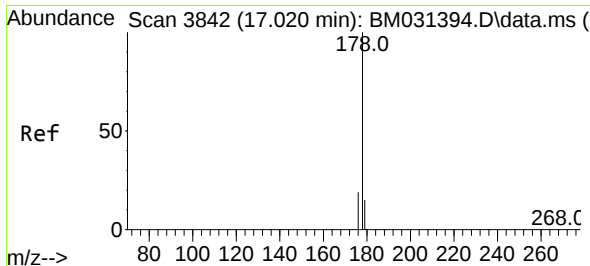


#12
Fluorene
Concen: 0.17 ng/ul
RT: 15.281 min Scan# 3371
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



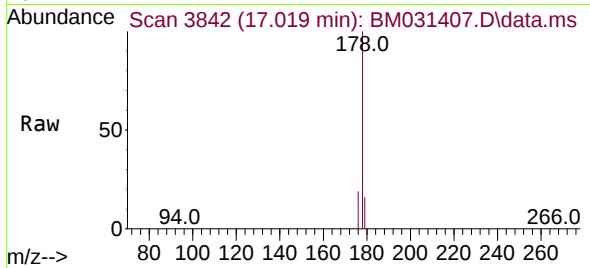
Tgt Ion:166 Resp: 2636
Ion Ratio Lower Upper
166 100
165 115.1 78.0 117.0
167 80.5 12.0 18.0#





#15
Phenanthrene
Concen: 3.24 ng/ul
RT: 17.019 min Scan# 3842
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

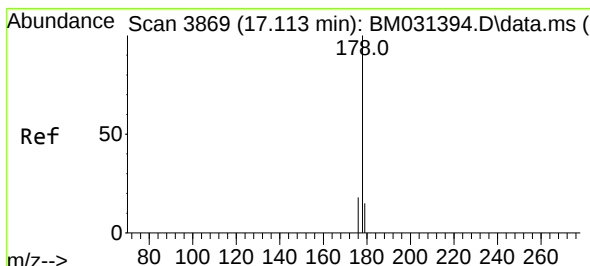
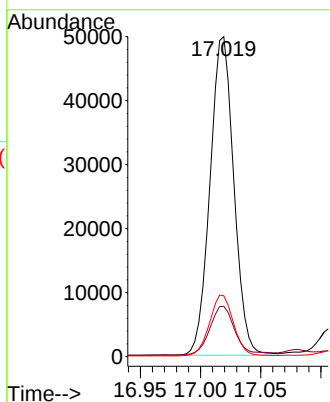
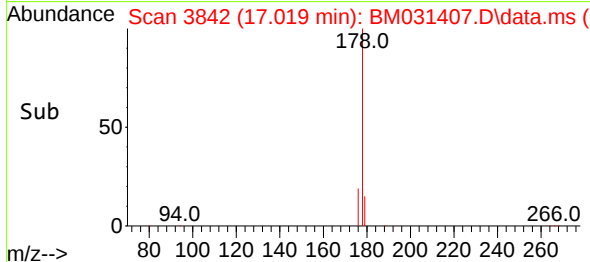
Instrument :
BNA_M
ClientSampled :
C0081



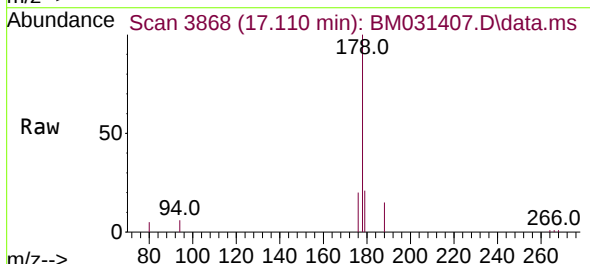
Tgt Ion:178 Resp: 68500
Ion Ratio Lower Upper
178 100
179 15.8 13.3 19.9
176 19.0 16.2 24.4

Manual Integrations
APPROVED

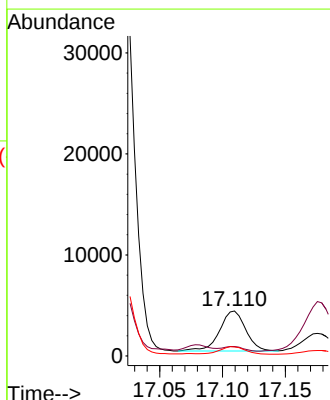
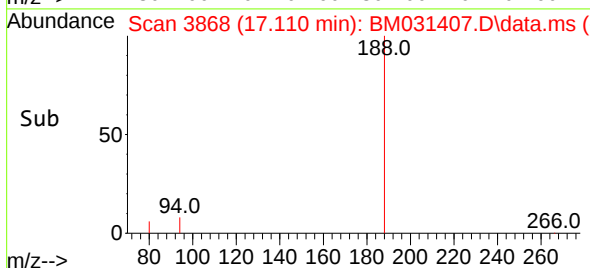
mohammad
8/4/2021 3:47:39 PM

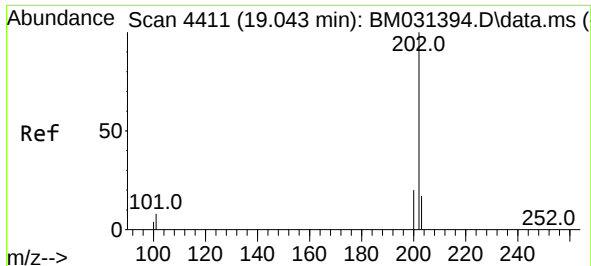


#16
Anthracene
Concen: 0.29 ng/ul
RT: 17.110 min Scan# 3868
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

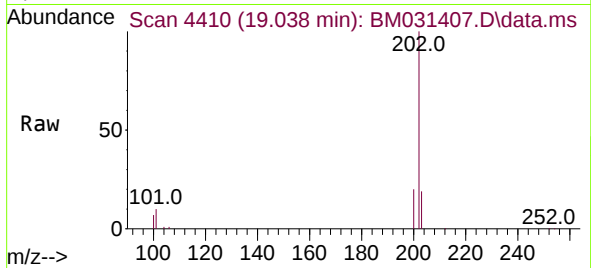


Tgt Ion:178 Resp: 5715
Ion Ratio Lower Upper
178 100
179 21.1 13.0 19.6#
176 19.8 15.6 23.4

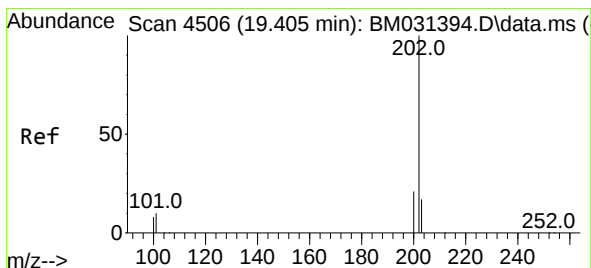
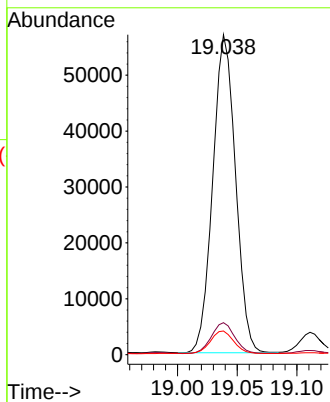
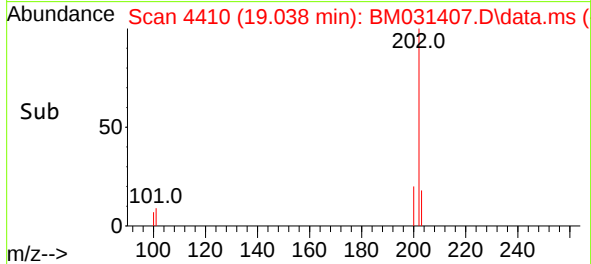




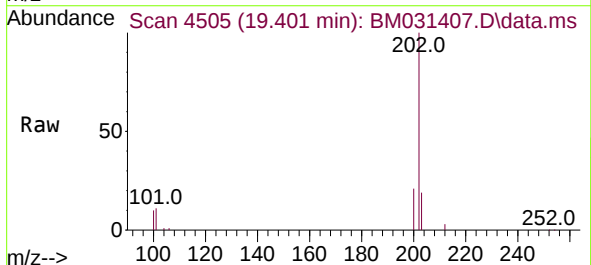
#19
Fluoranthene
Concen: 3.51 ng/ul
RT: 19.038 min Scan# 4410
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



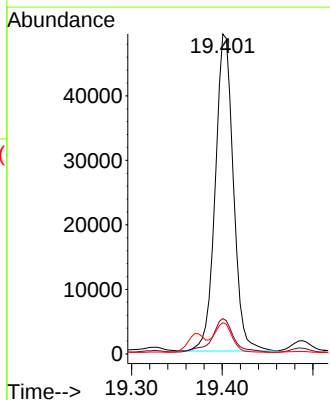
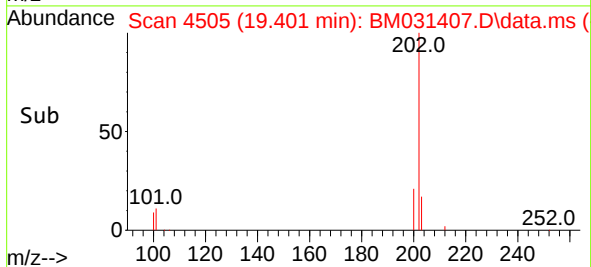
Tgt Ion:202 Resp: 75488
Ion Ratio Lower Upper
202 100
101 10.0 6.6 10.0#
100 7.4 5.4 8.0



#20
Pyrene
Concen: 3.13 ng/ul
RT: 19.401 min Scan# 4505
Delta R.T. -0.008 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



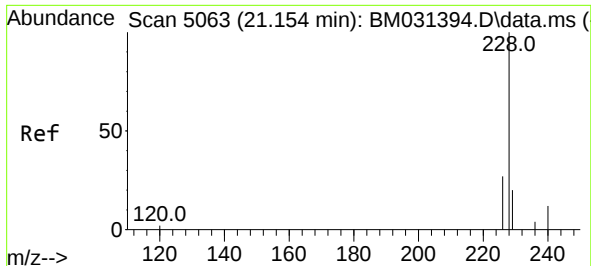
Tgt Ion:202 Resp: 68244
Ion Ratio Lower Upper
202 100
101 11.1 7.8 11.6
100 9.8 6.6 10.0



Instrument :
BNA_M
ClientSampleId :
C0081

Manual Integrations
APPROVED

mohammad
8/4/2021 3:47:39 PM



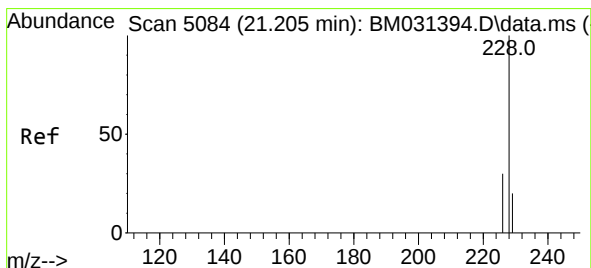
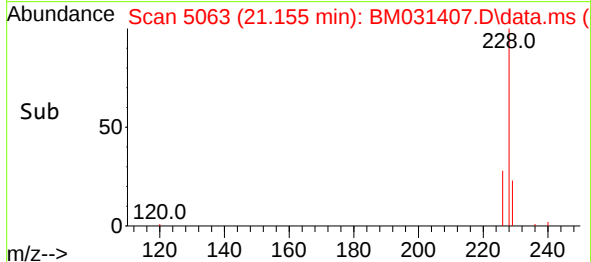
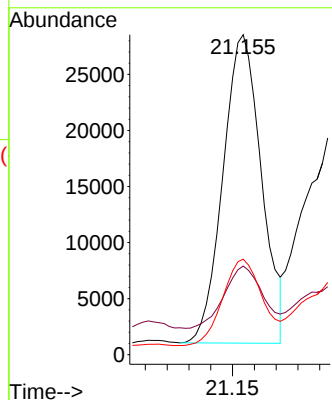
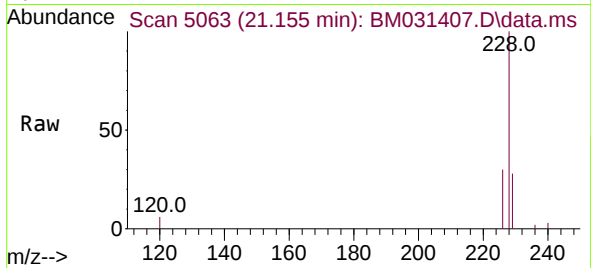
#21
Benzo(a)anthracene
Concen: 1.66 ng/ul
RT: 21.155 min Scan# 5063
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:228 Resp: 33649
Ion Ratio Lower Upper
228 100
229 27.7 15.6 23.4#
226 29.8 21.7 32.5

Instrument :
BNA_M
ClientSampled :
C0081

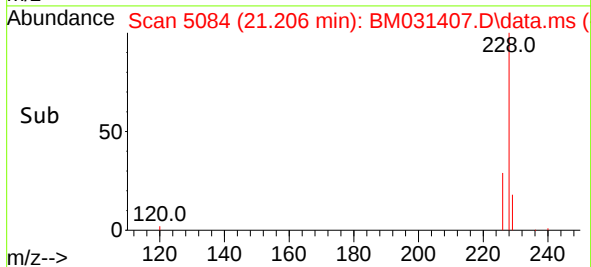
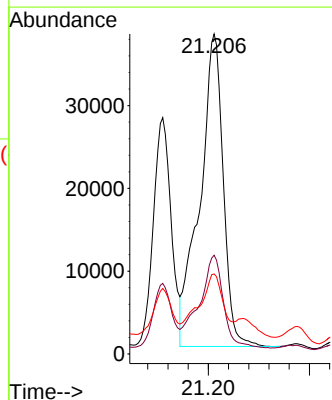
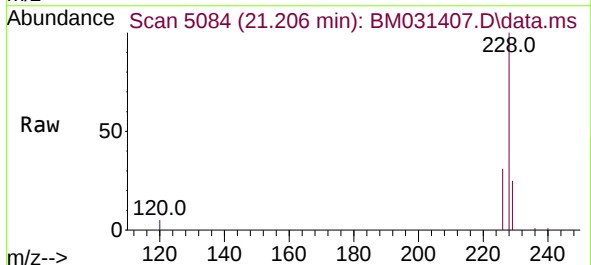
Manual Integrations
APPROVED

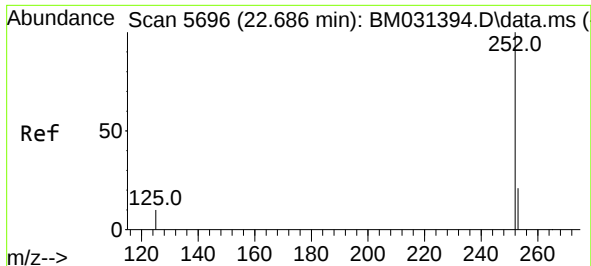
mohammad
8/4/2021 3:47:39 PM



#22
Chrysene
Concen: 2.89 ng/ul
RT: 21.206 min Scan# 5084
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:228 Resp: 60759
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 25.0 16.2 24.2#





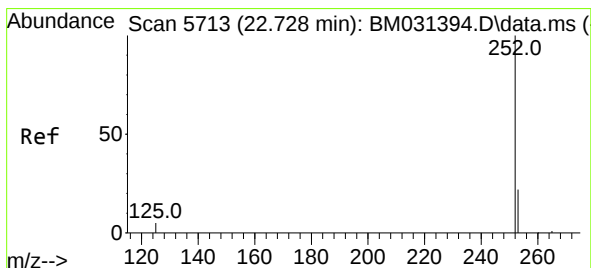
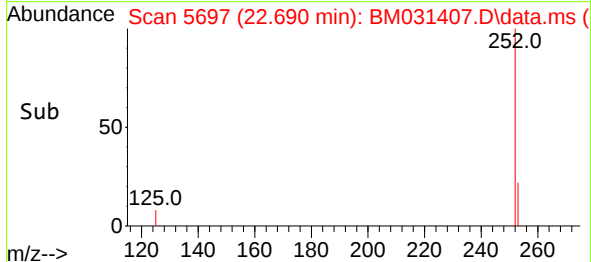
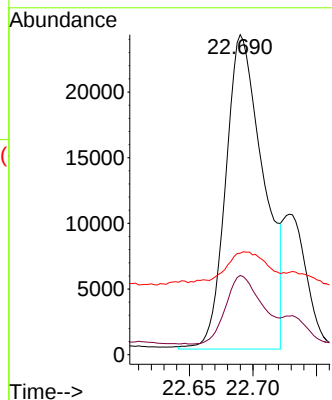
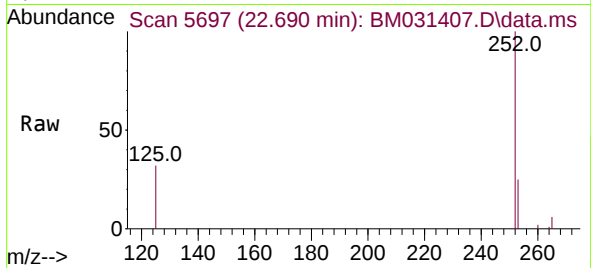
#24
Benzo(b)fluoranthene
Concen: 2.18 ng/ul m
RT: 22.690 min Scan# 5697
Delta R.T. -0.001 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:252 Resp: 49173
Ion Ratio Lower Upper
252 100
253 24.8 0.0 53.0
125 31.7 0.0 22.8#

Instrument :
BNA_M
ClientSampled :
C0081

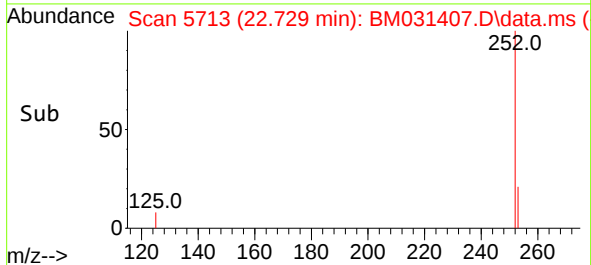
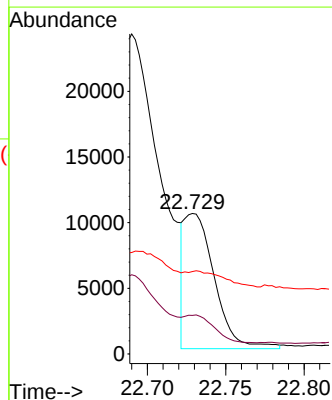
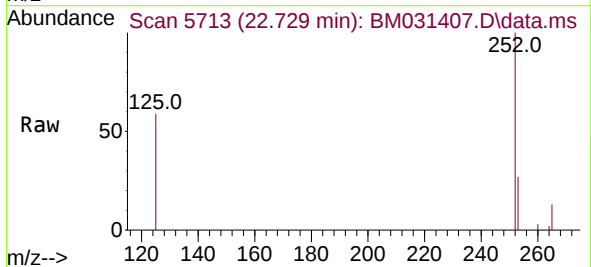
Manual Integrations
APPROVED

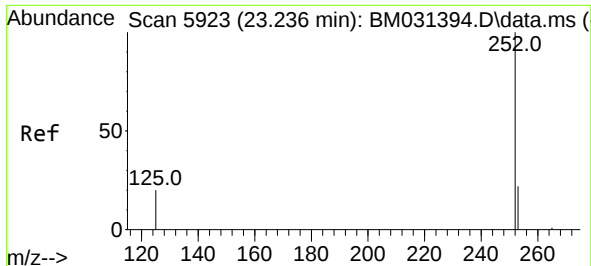
mohammad
8/4/2021 3:47:39 PM



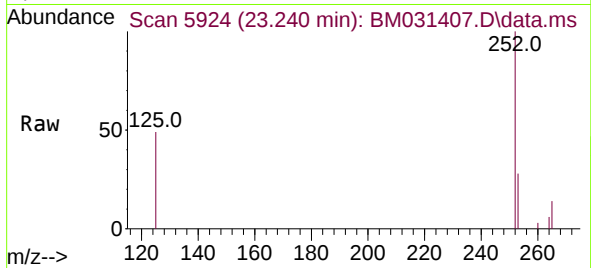
#25
Benzo(k)fluoranthene
Concen: 0.59 ng/ul m
RT: 22.729 min Scan# 5713
Delta R.T. -0.006 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:252 Resp: 13764
Ion Ratio Lower Upper
252 100
253 27.4 21.3 31.9
125 58.6 8.8 13.2#

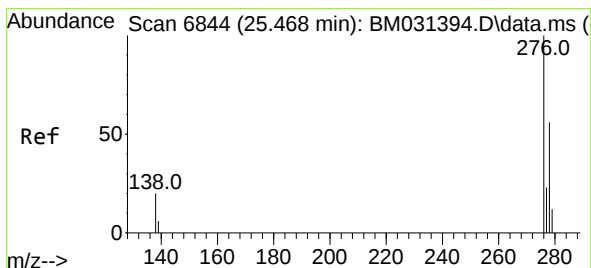
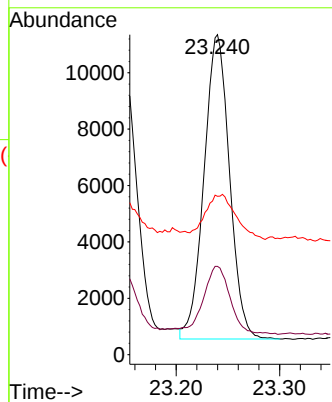
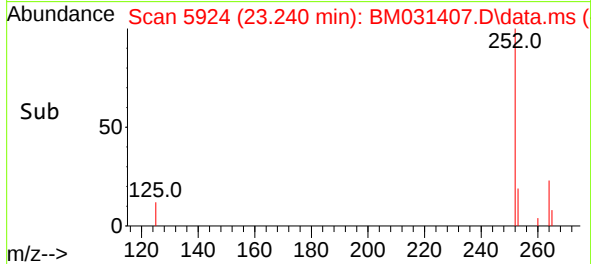




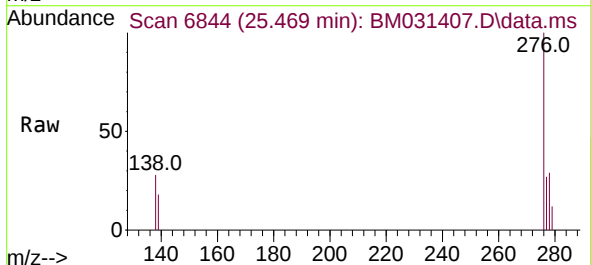
#26
Benzo(a)pyrene
Concen: 0.94 ng/ul
RT: 23.240 min Scan# 5924
Delta R.T. -0.004 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



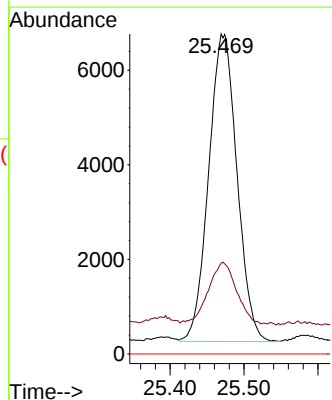
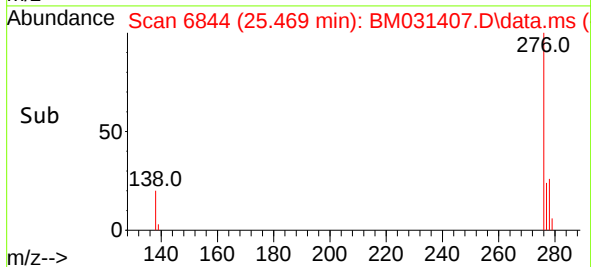
Tgt Ion:252 Resp: 18533
Ion Ratio Lower Upper
252 100
253 27.6 22.4 33.6
125 49.5 13.0 19.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.68 ng/ul
RT: 25.469 min Scan# 6844
Delta R.T. -0.011 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06



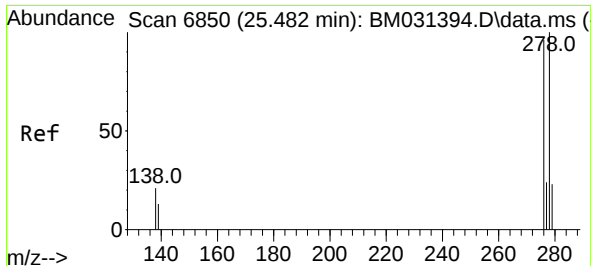
Tgt Ion:276 Resp: 17317
Ion Ratio Lower Upper
276 100
138 20.0 15.8 23.8
227 0.0 0.0 0.0



Instrument :
BNA_M
ClientSampled :
C0081

Manual Integrations
APPROVED

mohammad
8/4/2021 3:47:39 PM



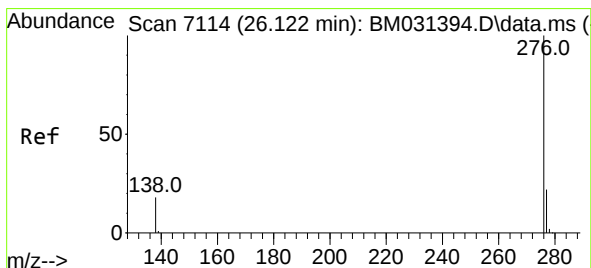
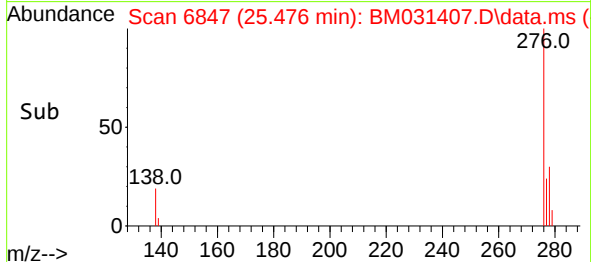
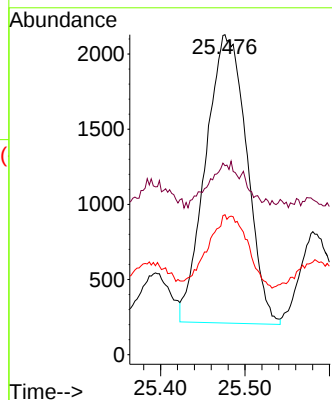
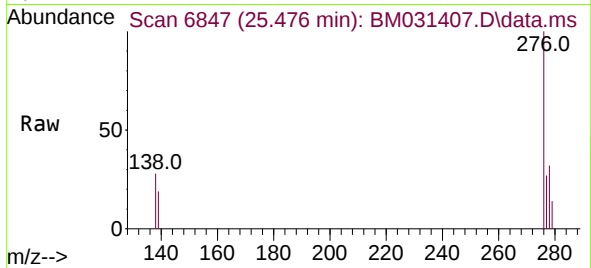
#28
Dibenzo(a,h)anthracene
Concen: 0.32 ng/ul
RT: 25.476 min Scan# 6847
Delta R.T. -0.016 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:278 Resp: 6489
Ion Ratio Lower Upper
278 100
139 59.0 13.3 19.9#
279 43.7 22.8 34.2#

Instrument :
BNA_M
ClientSampled :
C0081

Manual Integrations
APPROVED

mohammad
8/4/2021 3:47:39 PM



#29
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.125 min Scan# 7115
Delta R.T. -0.006 min
Lab File: BM031407.D
Acq: 03 Aug 2021 11:06

Tgt Ion:276 Resp: 1336
Ion Ratio Lower Upper
276 100
138 84.7 15.4 23.2#
277 47.2 19.9 29.9#

