

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
 Data File : BM041806.D
 Acq On : 12 Sep 2023 08:28
 Operator : MA/JU
 Sample : 04175-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 12 08:57:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 04:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	6067	0.400	ng/ul	0.00
4) Naphthalene-d8	10.795	136	14448	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.624	164	7246	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	14348	0.400	ng/ul	0.00
17) Chrysene-d12	21.544	240	8376	0.400	ng/ul	# 0.00
23) Perylene-d12	23.965	264	10286	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.389	96	19706	2.125	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.374	152	2794	0.150	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	5364	0.132	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.845	128	10176	0.214	ng/ul	99
7) 2-Methylnaphthalene	12.451	142	7636	0.284	ng/ul	100
8) 1-Methylnaphthalene	12.671	142	4484	0.166	ng/ul	100
10) Acenaphthylene	14.351	152	2812	0.063	ng/ul#	87
11) Acenaphthene	14.684	153	1502	0.043	ng/ul	94
12) Fluorene	15.670	166	1295	0.033	ng/ul#	86
15) Phenanthrene	17.413	178	31029	0.512	ng/ul	99
16) Anthracene	17.506	178	6827	0.132	ng/ul#	93
19) Fluoranthene	19.422	202	70558	0.714	ng/ul	99
20) Pyrene	19.789	202	69369	0.706	ng/ul	99
21) Benzo(a)anthracene	21.527	228	33884	0.496	ng/ul	98
22) Chrysene	21.580	228	42743	0.580	ng/ul#	96
24) Benzo(b)fluoranthene	23.219	252	71072	0.772	ng/ul	87
25) Benzo(k)fluoranthene	23.263	252	20771m	0.231	ng/ul	
26) Benzo(a)pyrene	23.857	252	40894	0.547	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.465	276	39517	0.385	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.475	278	9709	0.135	ng/ul#	35
29) Benzo(g,h,i)perylene	27.249	276	41332	0.455	ng/ul	96

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

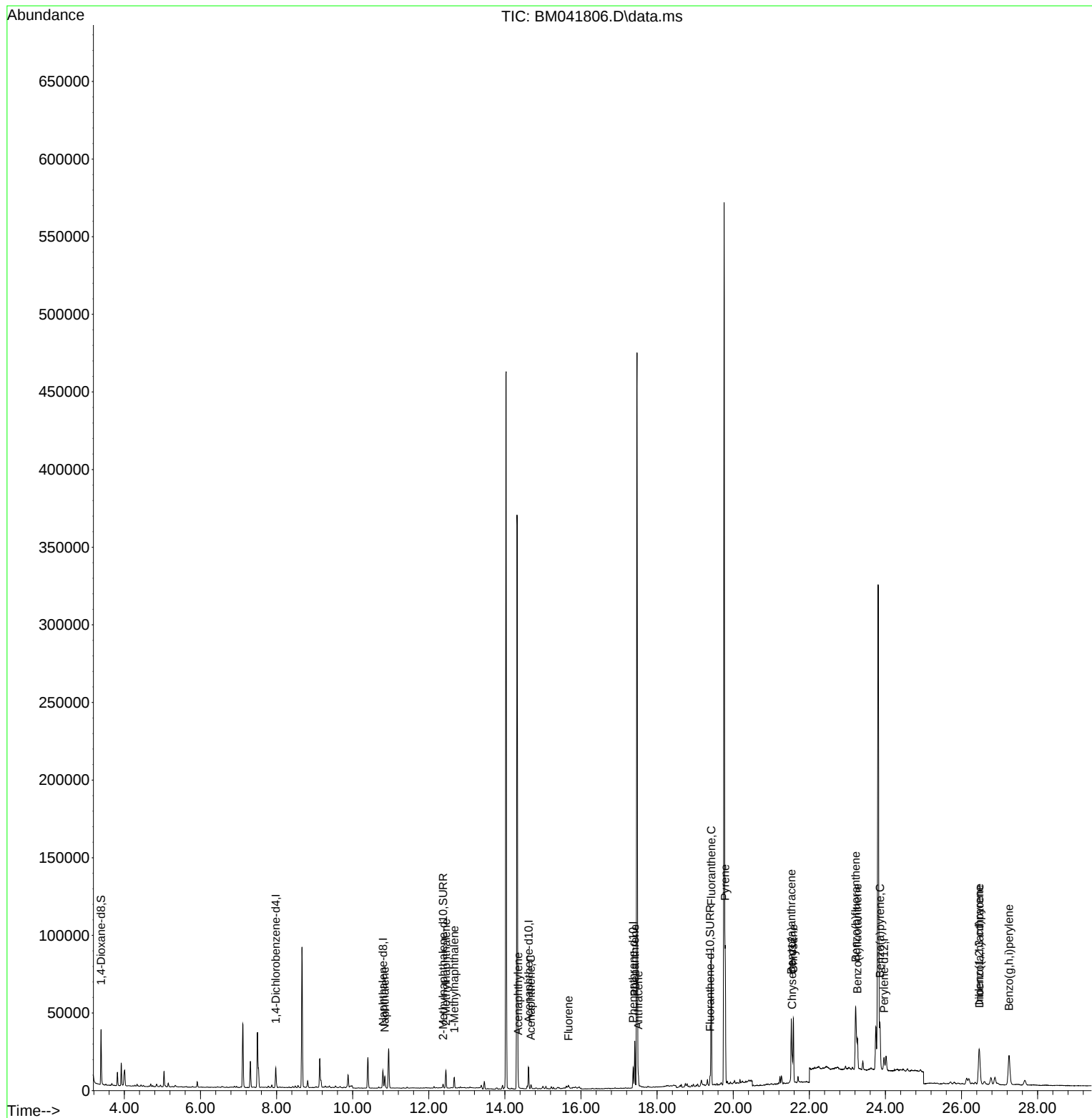
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
Data File : BM041806.D
Acq On : 12 Sep 2023 08:28
Operator : MA/JU
Sample : 04175-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

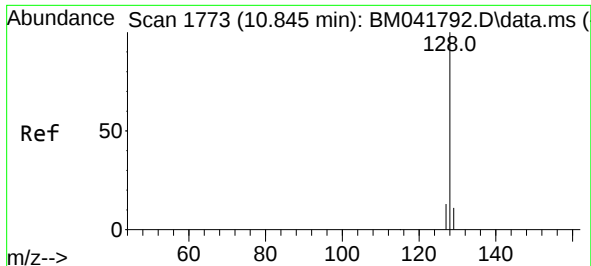
Instrument :
BNA_M
ClientSampleId :
EZYD0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

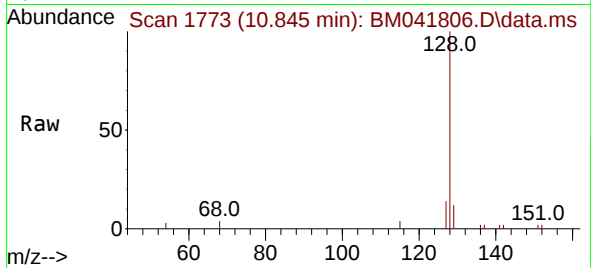
Quant Time: Sep 12 08:57:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 04:50:34 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.214 ng/ul
RT: 10.845 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

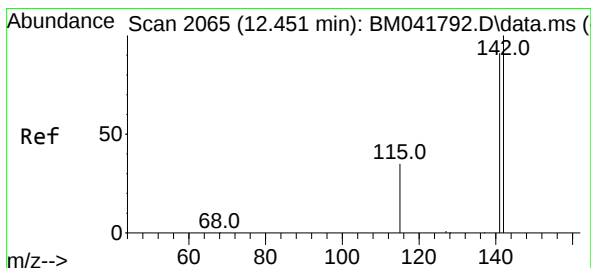
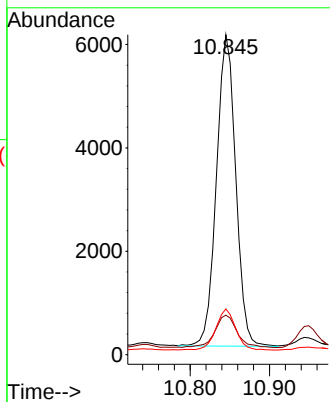
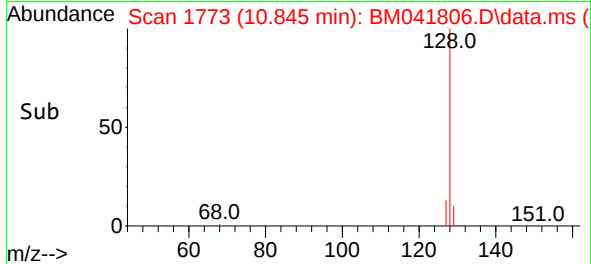
Instrument :
BNA_M
ClientSampleId :
EZYD0



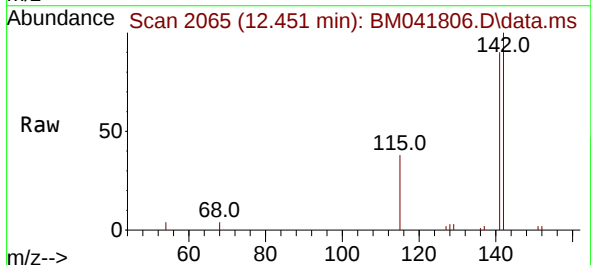
Tgt Ion:128 Resp: 10170
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.0
127 14.3 11.0 16.6

Manual Integrations
APPROVED

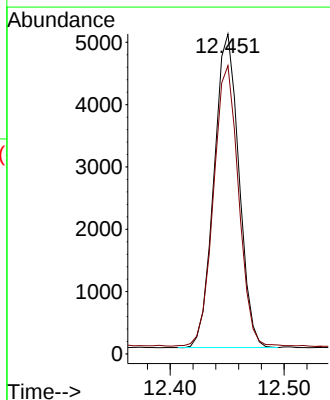
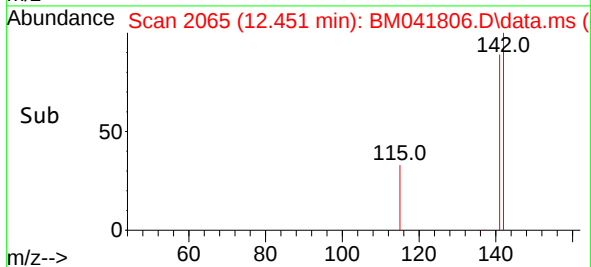
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

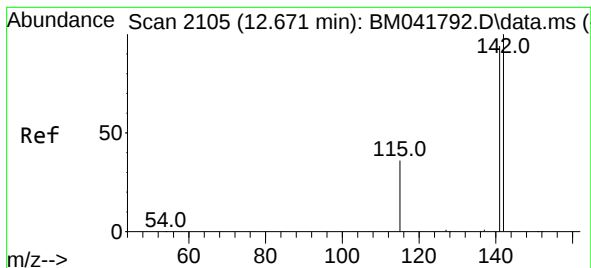


#7
2-Methylnaphthalene
Concen: 0.284 ng/ul
RT: 12.451 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28



Tgt Ion:142 Resp: 7636
Ion Ratio Lower Upper
142 100
141 90.2 72.2 108.2





#8

1-Methylnaphthalene

Concen: 0.166 ng/ul

RT: 12.671 min Scan# 2105

Delta R.T. -0.000 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

Instrument :

BNA_M

ClientSampleId :

EZYD0

Tgt Ion:142 Resp: 4484

Ion Ratio Lower Upper

142 100

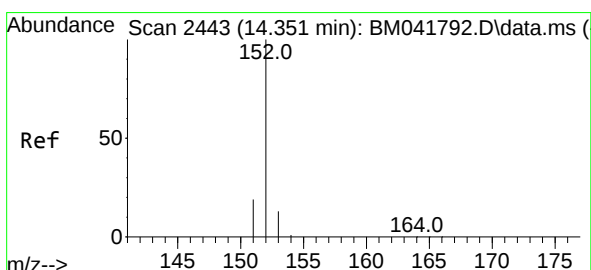
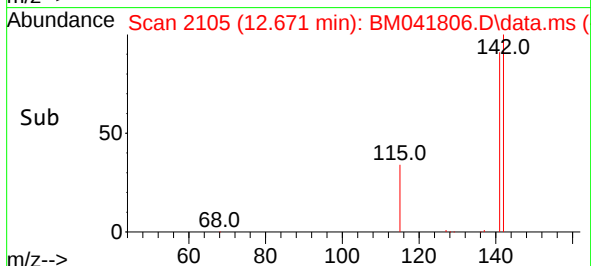
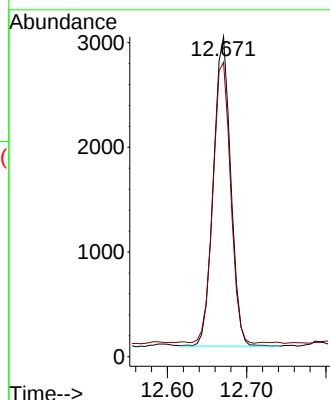
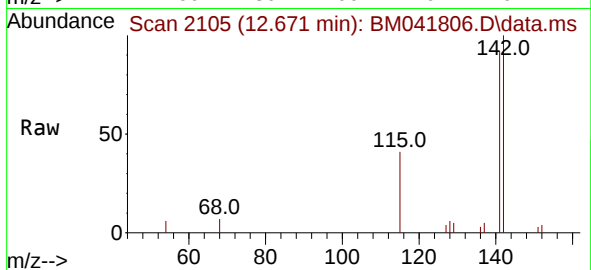
141 92.7 74.4 111.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023



#10

Acenaphthylene

Concen: 0.063 ng/ul

RT: 14.351 min Scan# 2443

Delta R.T. -0.000 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

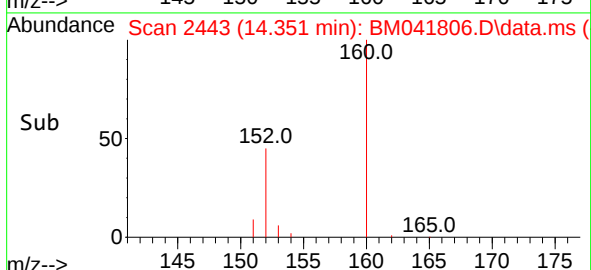
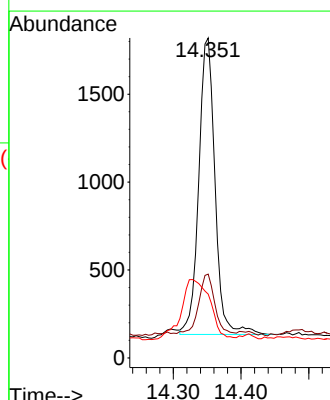
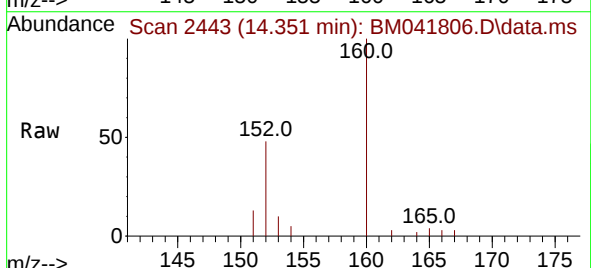
Tgt Ion:152 Resp: 2812

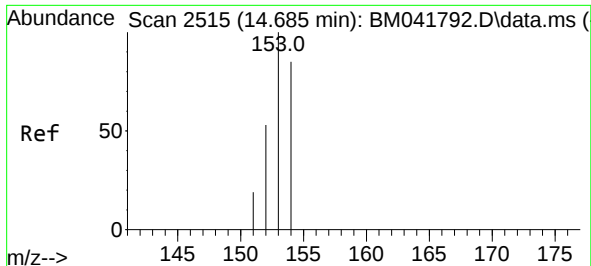
Ion Ratio Lower Upper

152 100

151 26.2 16.4 24.6#

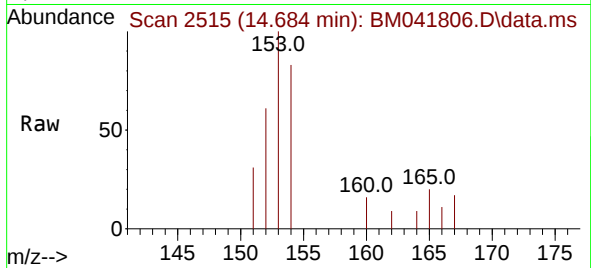
153 19.9 11.1 16.7#





#11
Acenaphthene
Concen: 0.043 ng/ul
RT: 14.684 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

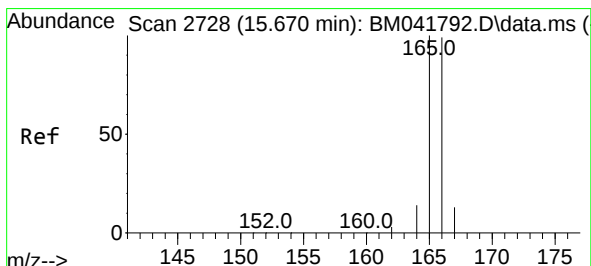
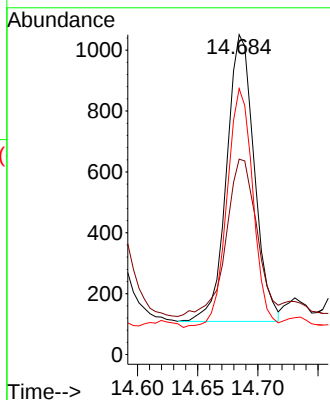
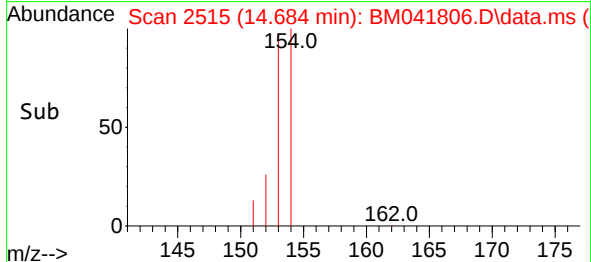
Instrument :
BNA_M
ClientSampleId :
EZYD0



Tgt Ion:153 Resp: 1502
Ion Ratio Lower Upper
153 100
152 61.1 43.4 65.2
154 83.2 69.4 104.0

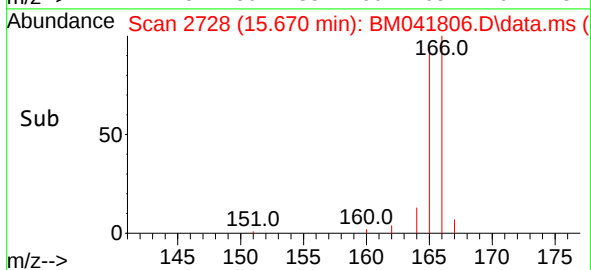
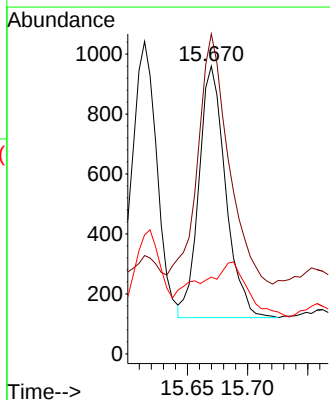
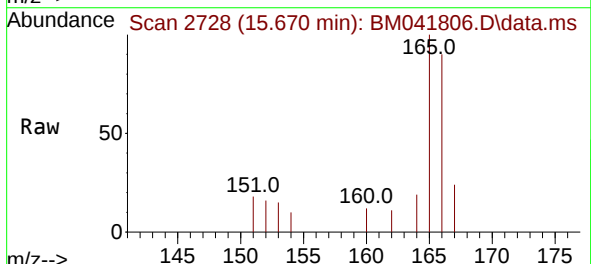
Manual Integrations
APPROVED

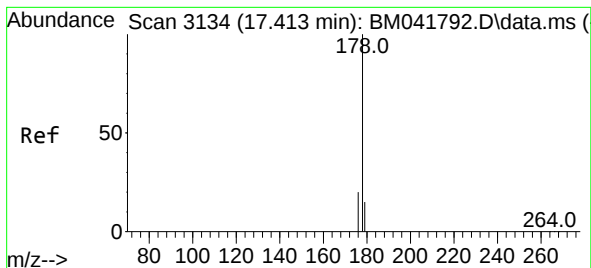
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#12
Fluorene
Concen: 0.033 ng/ul
RT: 15.670 min Scan# 2728
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

Tgt Ion:166 Resp: 1295
Ion Ratio Lower Upper
166 100
165 111.1 79.4 119.2
167 26.7 11.3 16.9#





#15

Phenanthrene

Concen: 0.512 ng/ul

RT: 17.413 min Scan# 3134

Delta R.T. -0.000 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

Instrument :

BNA_M

ClientSampleId :

EZYD0

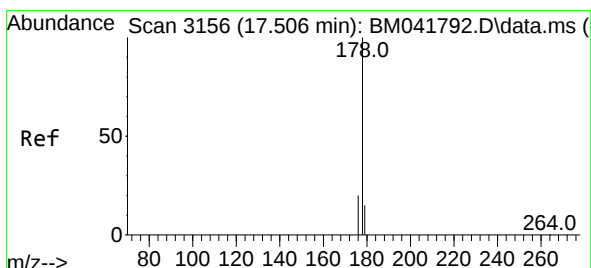
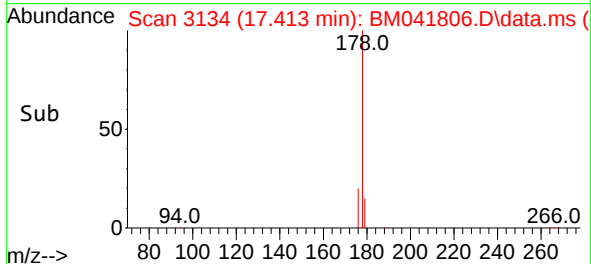
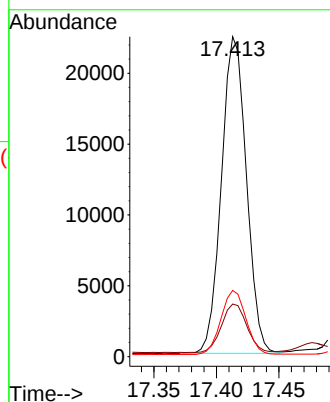
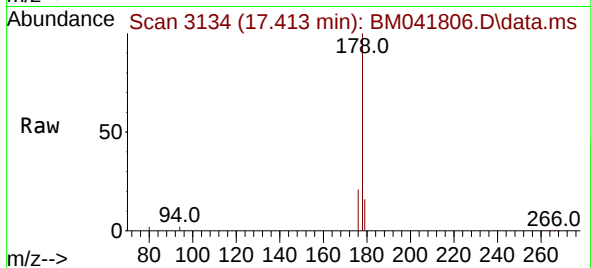
Tgt Ion:178	Resp:	31029
Ion Ratio	Lower	Upper
178	100	
179	16.4	12.9 19.3
176	20.7	16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023



#16

Anthracene

Concen: 0.132 ng/ul

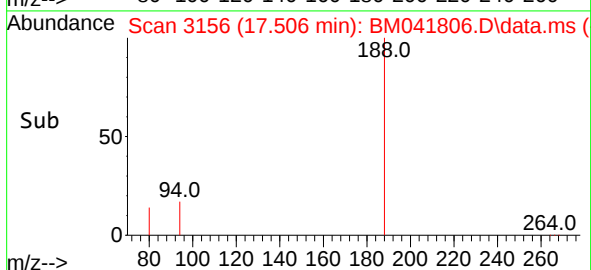
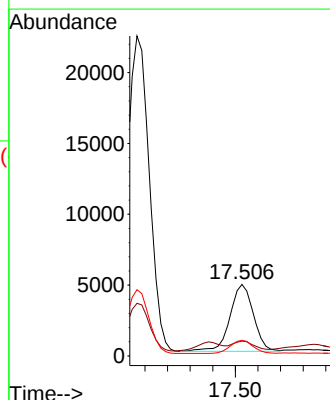
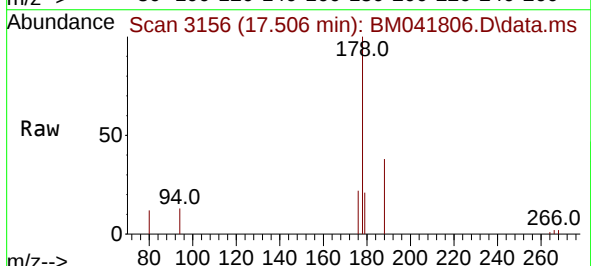
RT: 17.506 min Scan# 3156

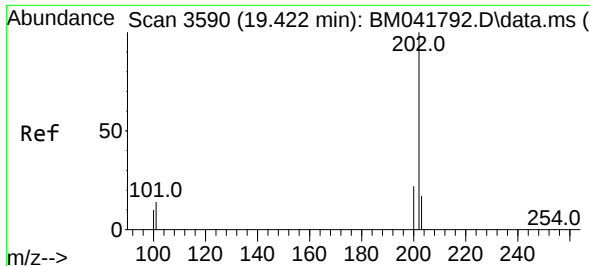
Delta R.T. -0.000 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

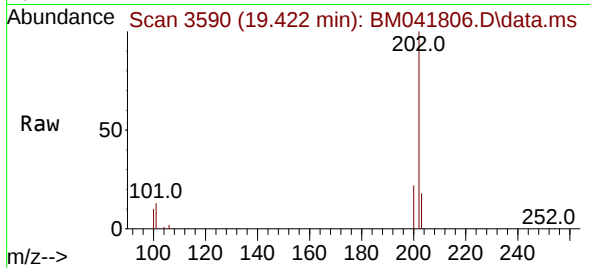
Tgt Ion:178	Resp:	6827
Ion Ratio	Lower	Upper
178	100	
179	20.8	12.9 19.3#
176	21.9	15.8 23.8





#19
Fluoranthene
Concen: 0.714 ng/ul
RT: 19.422 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

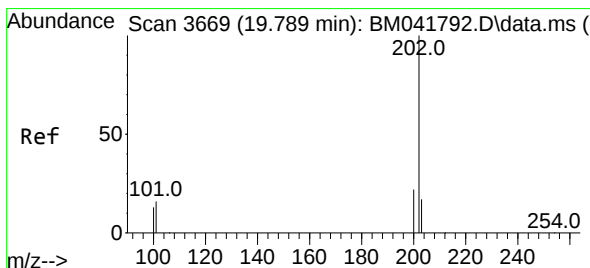
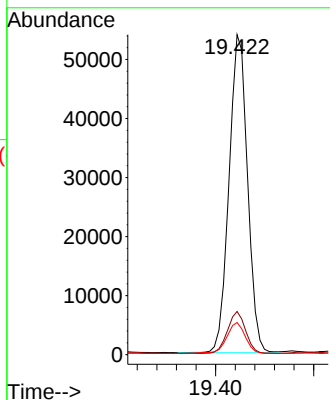
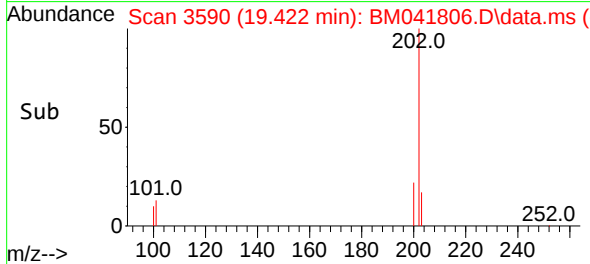
Instrument :
BNA_M
ClientSampleId :
EZYD0



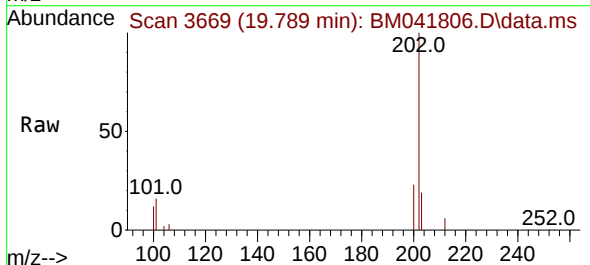
Tgt Ion:202 Resp: 70558
Ion Ratio Lower Upper
202 100
101 13.5 10.5 15.7
100 10.1 8.4 12.6

Manual Integrations
APPROVED

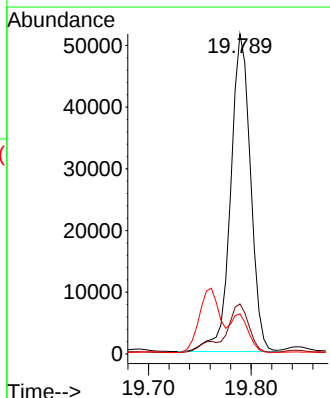
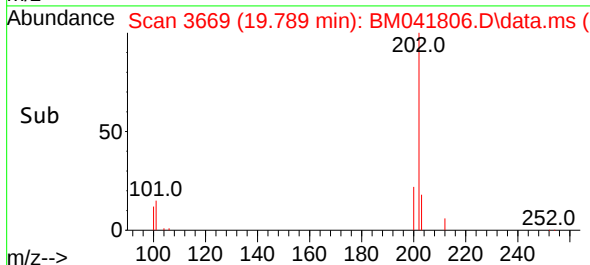
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

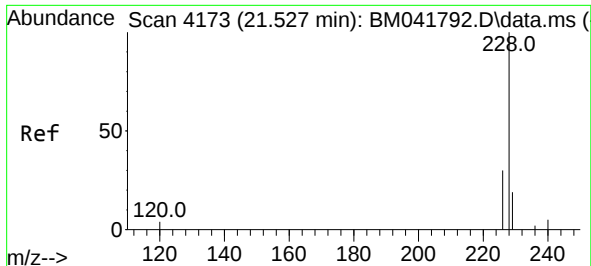


#20
Pyrene
Concen: 0.706 ng/ul
RT: 19.789 min Scan# 3669
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28



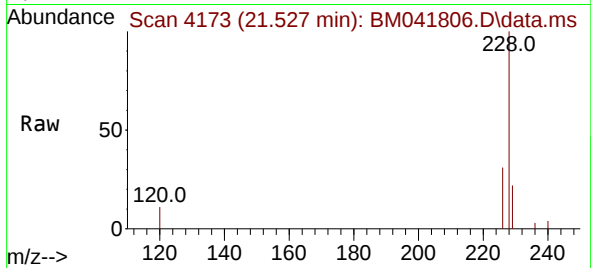
Tgt Ion:202 Resp: 69369
Ion Ratio Lower Upper
202 100
101 15.7 11.8 17.8
100 12.5 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.496 ng/ul
RT: 21.527 min Scan# 4173
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

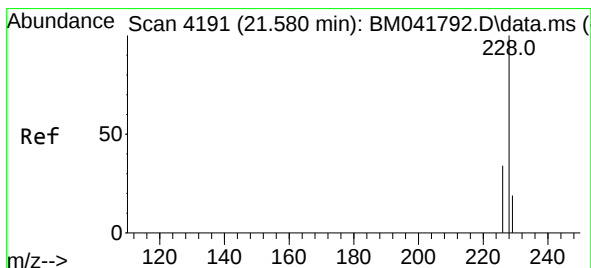
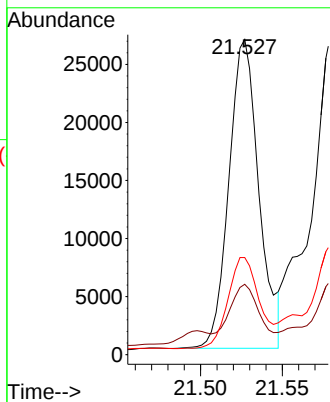
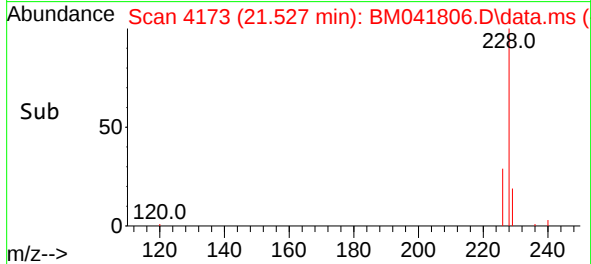
Instrument :
BNA_M
ClientSampleId :
EZYD0



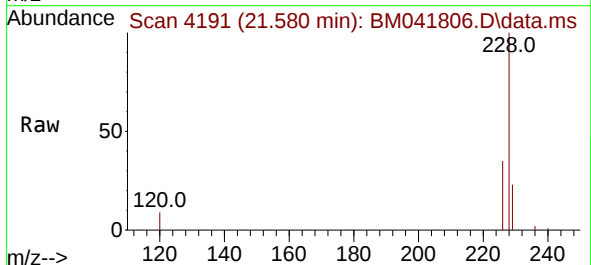
Tgt Ion:228 Resp: 33884
Ion Ratio Lower Upper
228 100
229 22.3 15.8 23.6
226 30.8 24.8 37.2

Manual Integrations
APPROVED

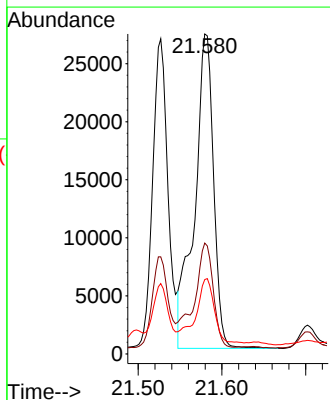
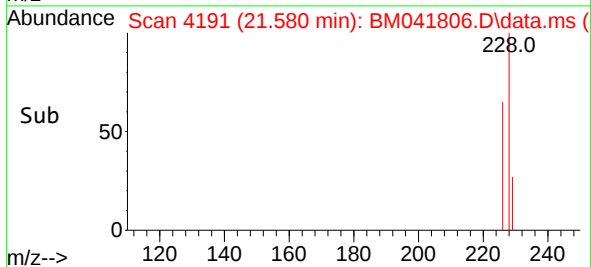
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

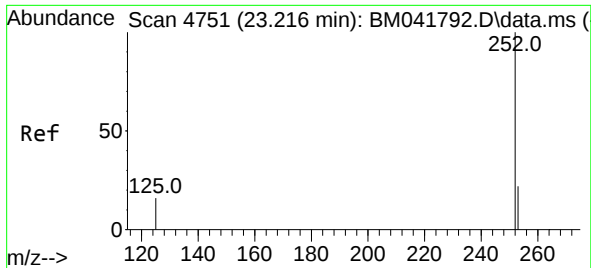


#22
Chrysene
Concen: 0.580 ng/ul
RT: 21.580 min Scan# 4191
Delta R.T. -0.000 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28



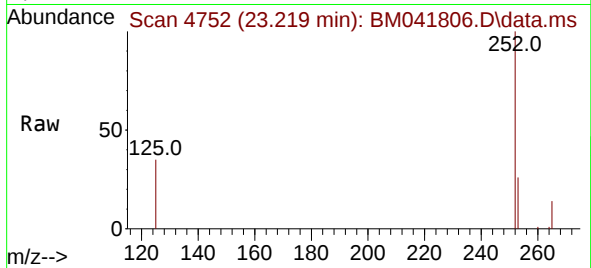
Tgt Ion:228 Resp: 42743
Ion Ratio Lower Upper
228 100
226 34.7 27.0 40.6
229 23.3 15.4 23.2#





#24
Benzo(b)fluoranthene
Concen: 0.772 ng/ul
RT: 23.219 min Scan# 4752
Delta R.T. 0.003 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

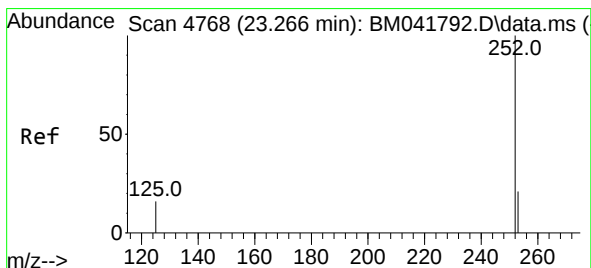
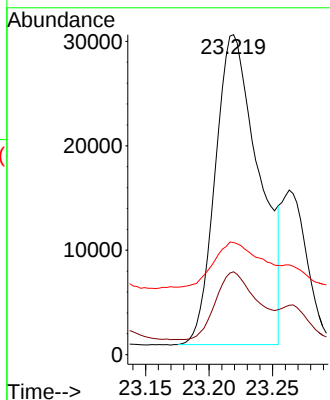
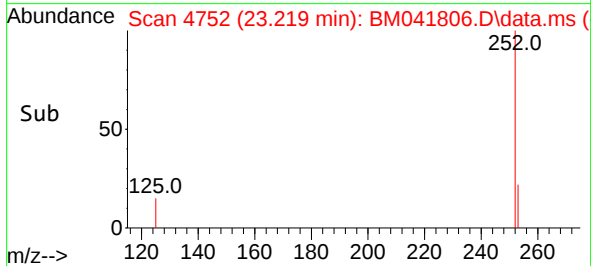
Instrument :
BNA_M
ClientSampleId :
EZYD0



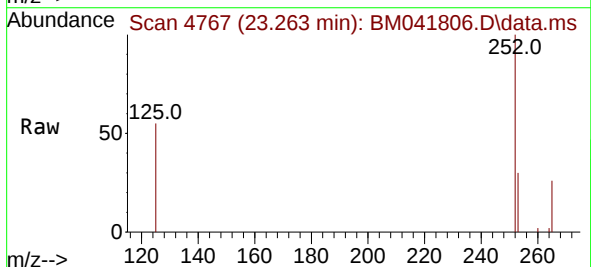
Tgt Ion:252 Resp: 71072
Ion Ratio Lower Upper
252 100
253 25.9 0.0 52.4
125 35.1 0.0 42.8

Manual Integrations
APPROVED

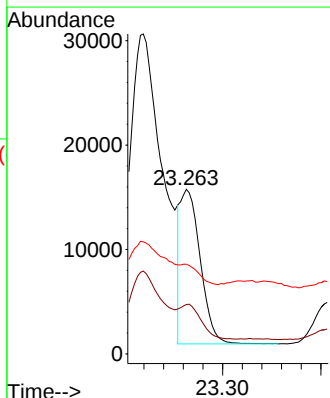
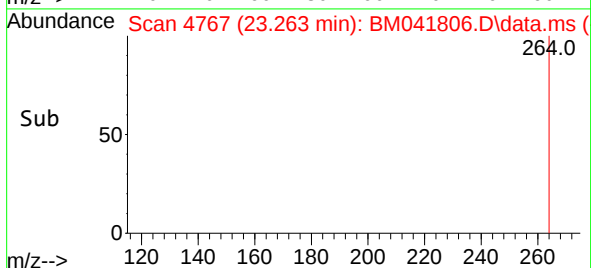
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

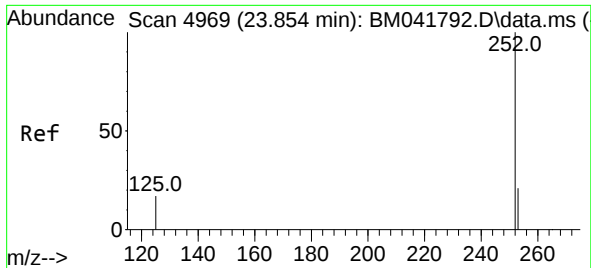


#25
Benzo(k)fluoranthene
Concen: 0.231 ng/ul m
RT: 23.263 min Scan# 4767
Delta R.T. -0.003 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28



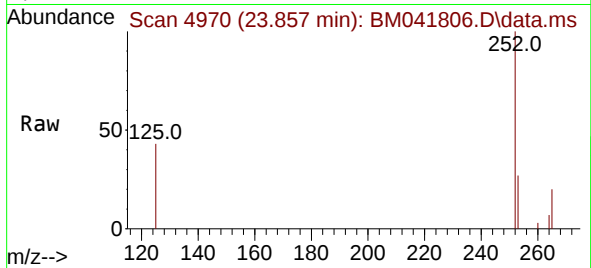
Tgt Ion:252 Resp: 20771
Ion Ratio Lower Upper
252 100
253 30.0 21.3 31.9
125 54.5 17.4 26.0#





#26
Benzo(a)pyrene
Concen: 0.547 ng/ul
RT: 23.857 min Scan# 4969
Delta R.T. 0.003 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28

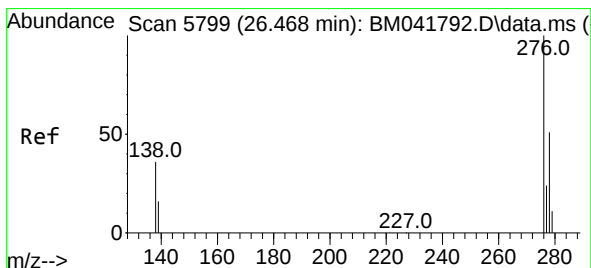
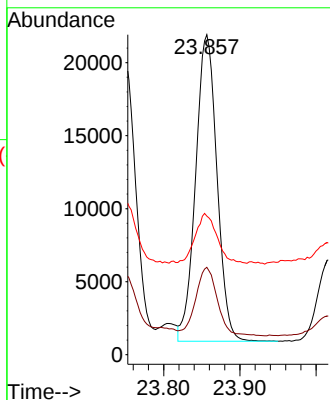
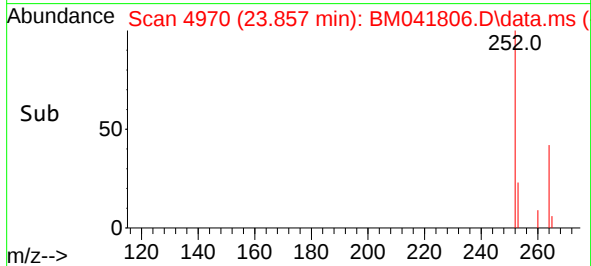
Instrument :
BNA_M
ClientSampleId :
EZYD0



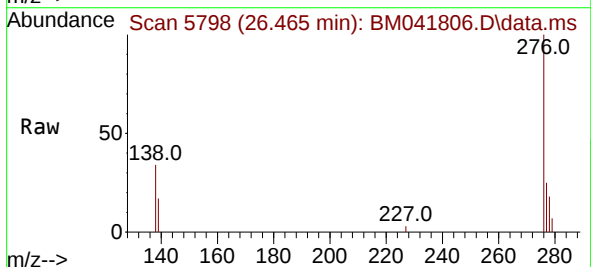
Tgt Ion:252 Resp: 40894
Ion Ratio Lower Upper
252 100
253 27.3 22.4 33.6
125 43.3 21.0 31.4

Manual Integrations
APPROVED

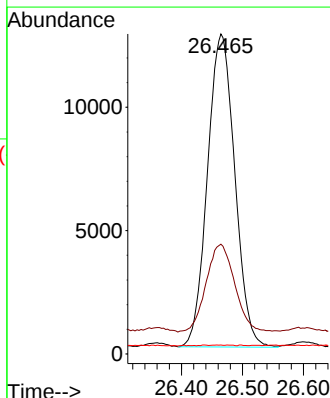
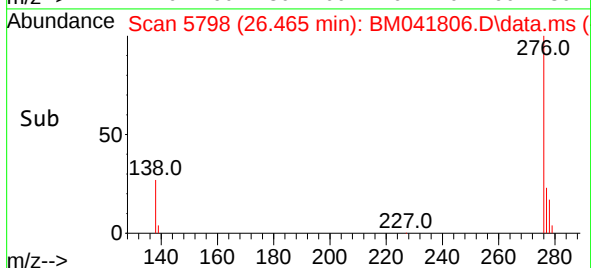
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

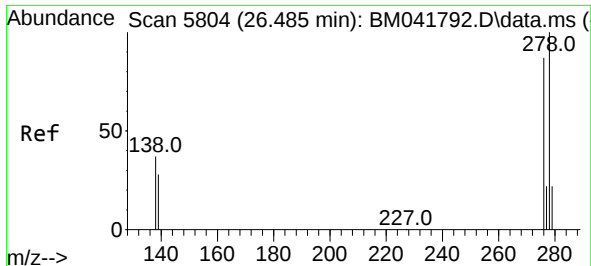


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng/ul
RT: 26.465 min Scan# 5798
Delta R.T. -0.003 min
Lab File: BM041806.D
Acq: 12 Sep 2023 08:28



Tgt Ion:276 Resp: 39517
Ion Ratio Lower Upper
276 100
138 29.4 26.4 39.6
227 0.1 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.135 ng/ul

RT: 26.475 min Scan# 5804

Delta R.T. -0.010 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

Instrument :

BNA_M

ClientSampleId :

EZYD0

Tgt Ion:278 Resp: 9709

Ion Ratio Lower Upper

278 100

139 88.2 23.0 34.6

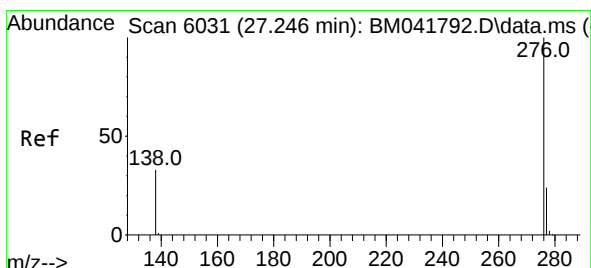
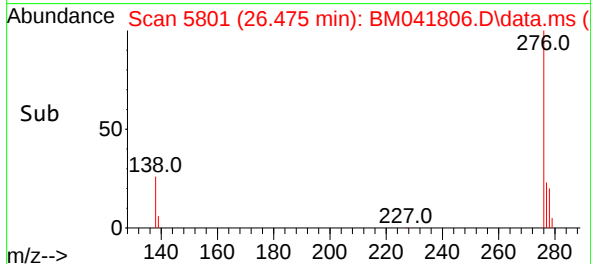
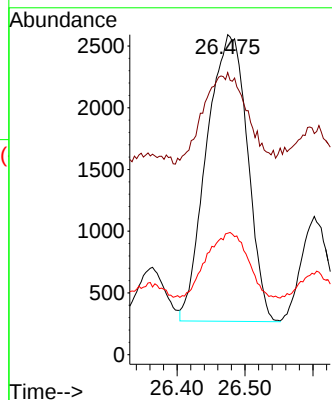
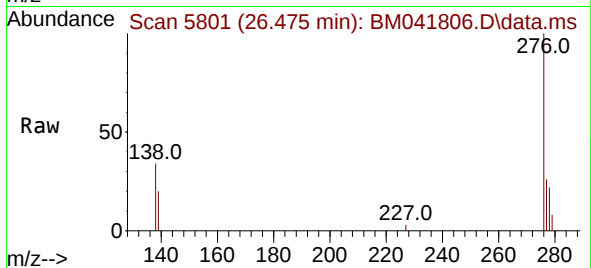
279 37.9 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023



#29

Benzo(g,h,i)perylene

Concen: 0.455 ng/ul

RT: 27.249 min Scan# 6032

Delta R.T. 0.003 min

Lab File: BM041806.D

Acq: 12 Sep 2023 08:28

Tgt Ion:276 Resp: 41332

Ion Ratio Lower Upper

276 100

138 35.2 25.0 37.4

277 25.3 20.2 30.2

