

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046151.D
 Acq On : 21 Jun 2024 09:39
 Operator : MA/JU
 Sample : P2754-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 10:53:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2100	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.194	136	5892	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	3281	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.812	188	7328m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.008	240	5925m	0.400	ng/ul	-0.04
23) Perylene-d12	23.104	264	6811m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	12012	4.169	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.822	152	2349	0.297	ng/ul	-0.04
18) Fluoranthene-d10	18.844	212	5675	0.320	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.244	128	3539	0.215	ng/ul	97
7) 2-Methylnaphthalene	11.899	142	920	0.099	ng/ul	90
8) 1-Methylnaphthalene	12.113	142	757	0.075	ng/ul	99
10) Acenaphthylene	13.785	152	7091	0.456	ng/ul	98
11) Acenaphthene	14.132	153	3003	0.267	ng/ul	98
12) Fluorene	15.122	166	3726	0.309	ng/ul	98
15) Phenanthrene	16.850	178	95580m	4.642	ng/ul	
16) Anthracene	16.943	178	15913m	1.038	ng/ul	
19) Fluoranthene	18.872	202	266288	10.380	ng/ul	98
20) Pyrene	19.234	202	183040	6.597	ng/ul	97
21) Benzo(a)anthracene	20.994	228	111749m	4.883	ng/ul	
22) Chrysene	21.046	228	138827	4.753	ng/ul	99
24) Benzo(b)fluoranthene	22.487	252	219226m	8.934	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	78598m	2.694	ng/ul	
26) Benzo(a)pyrene	23.010	252	72018	3.167	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	25.145	276	80703	2.169	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.152	278	25328	0.914	ng/ul	96
29) Benzo(g,h,i)perylene	25.775	276	11512	0.361	ng/ul	93

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

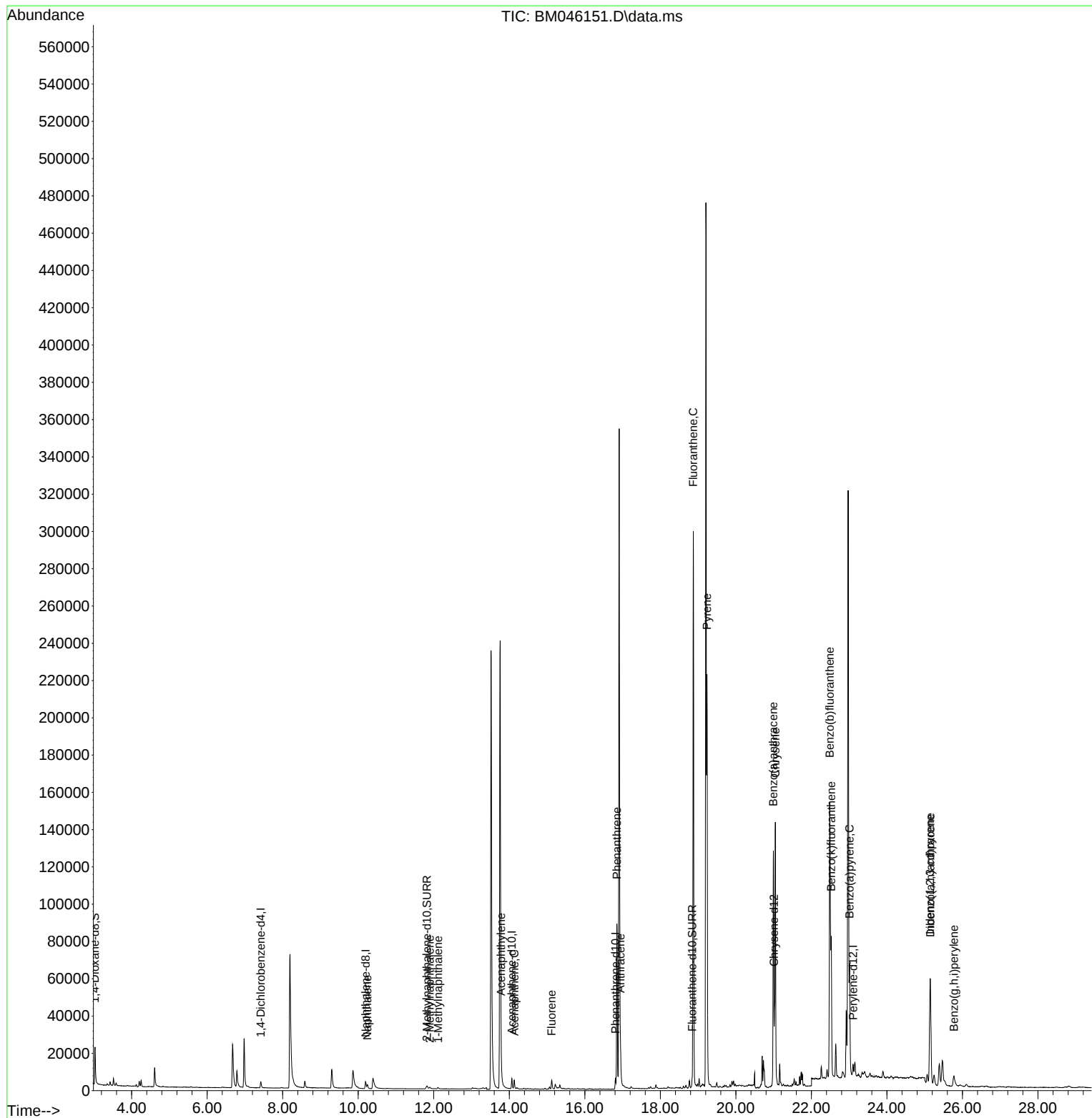
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
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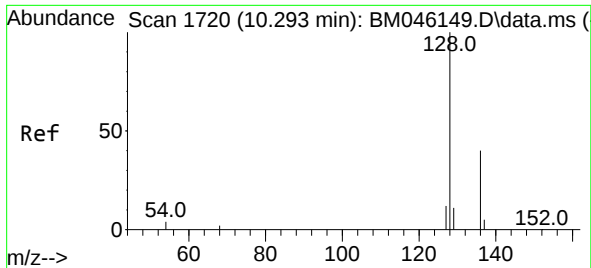
Instrument :
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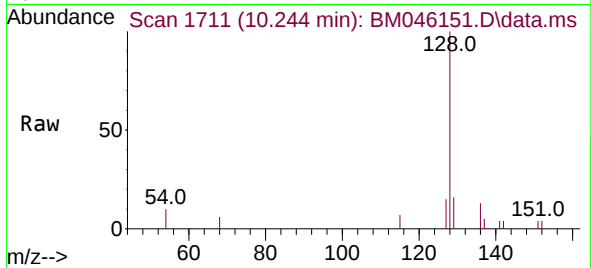
Quant Time: Jun 21 10:53:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.215 ng/ul
RT: 10.244 min Scan# 1711
Delta R.T. -0.059 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

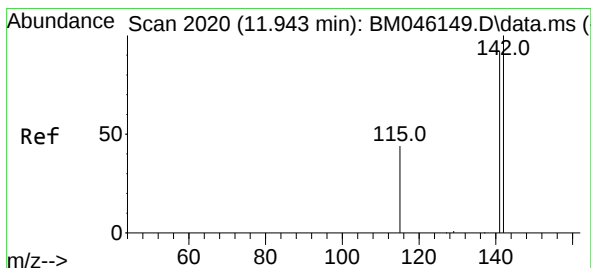
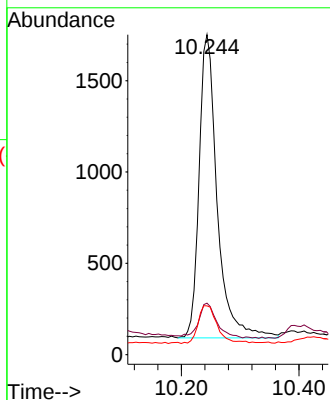
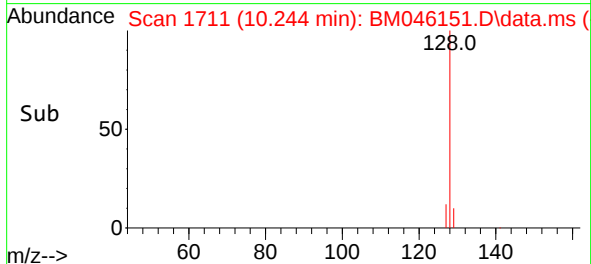
Instrument :
BNA_M
ClientSampleId :
A4BP2



Tgt Ion:128 Resp: 3539
Ion Ratio Lower Upper
128 100
129 16.1 11.8 17.6
127 15.2 12.8 19.2

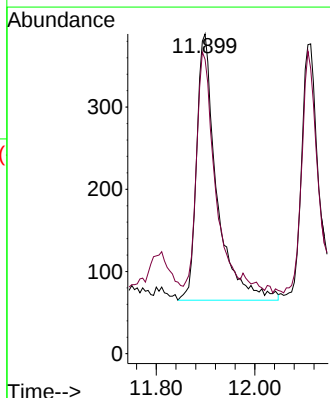
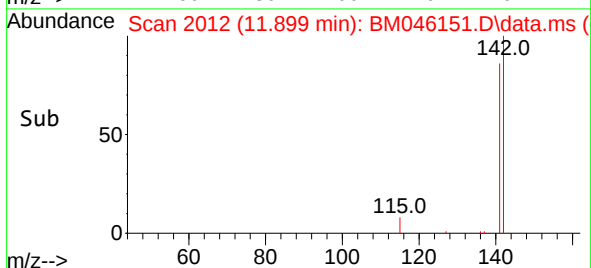
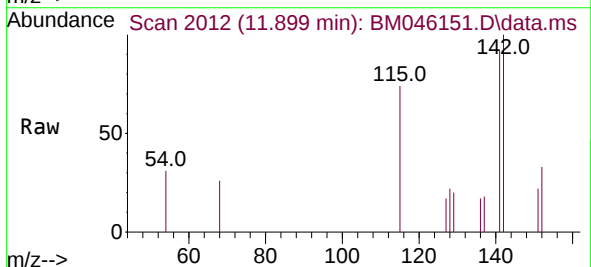
Manual Integrations
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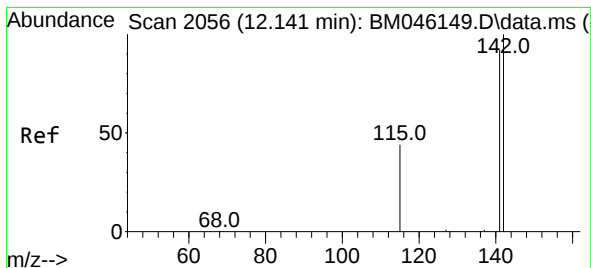
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#7
2-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 11.899 min Scan# 2012
Delta R.T. -0.048 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

Tgt Ion:142 Resp: 920
Ion Ratio Lower Upper
142 100
141 83.7 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.075 ng/ul

RT: 12.113 min Scan# 2056

Delta R.T. -0.037 min

Lab File: BM046151.D

Acq: 21 Jun 2024 09:39

Instrument :

BNA_M

ClientSampleId :

A4BP2

Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

142 100

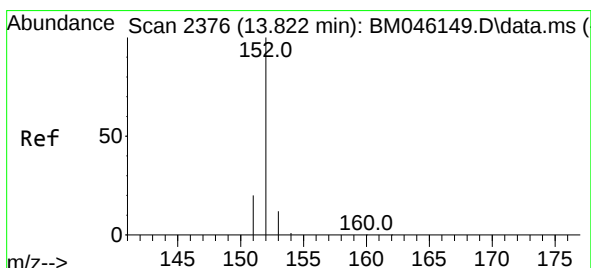
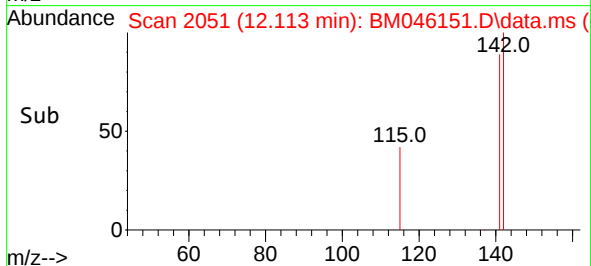
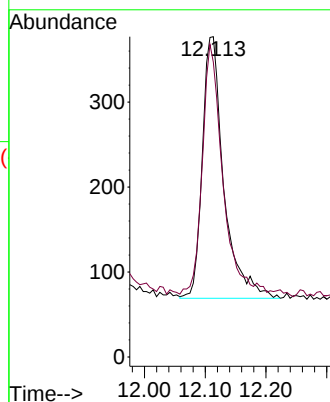
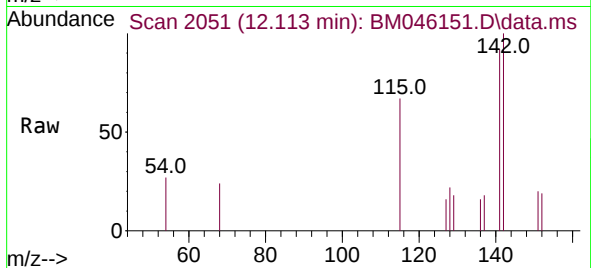
141 95.2 75.2 112.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#10

Acenaphthylene

Concen: 0.456 ng/ul

RT: 13.785 min Scan# 2368

Delta R.T. -0.050 min

Lab File: BM046151.D

Acq: 21 Jun 2024 09:39

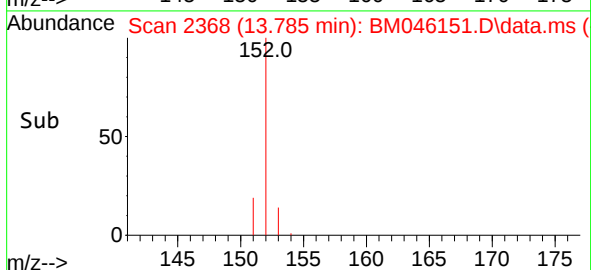
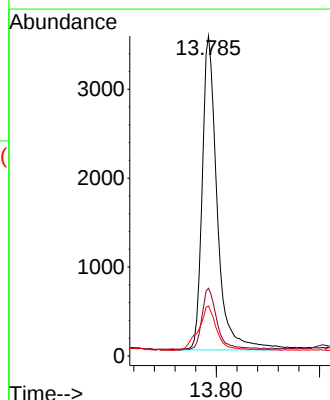
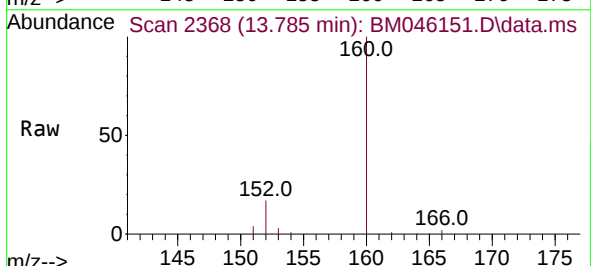
Tgt Ion:152 Resp: 7091

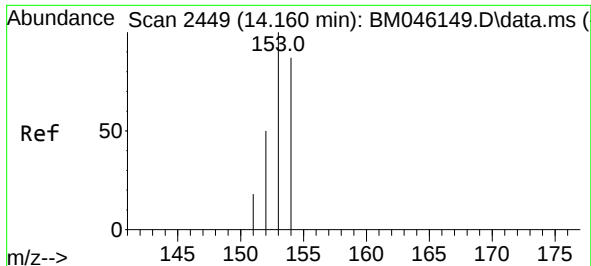
Ion Ratio Lower Upper

152 100

151 21.1 17.4 26.2

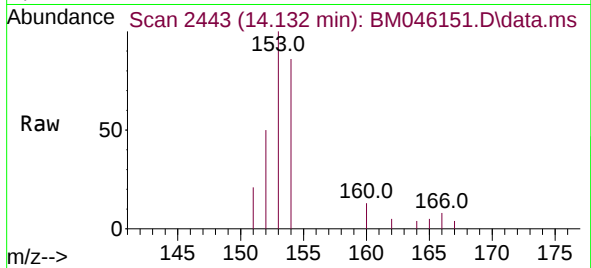
153 15.6 11.8 17.8





#11
Acenaphthene
Concen: 0.267 ng/u1
RT: 14.132 min Scan# 2443
Delta R.T. -0.040 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

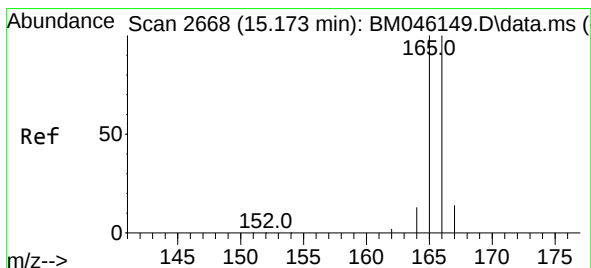
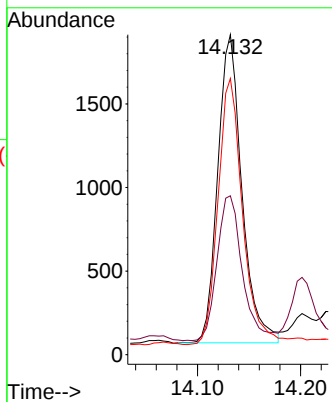
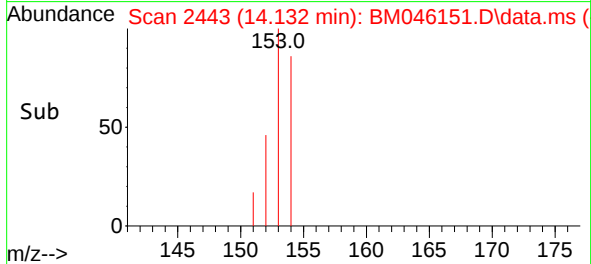
Instrument :
BNA_M
ClientSampleId :
A4BP2



Tgt Ion:153 Resp: 300
Ion Ratio Lower Upper
153 100
152 49.7 41.3 61.9
154 86.3 68.2 102.4

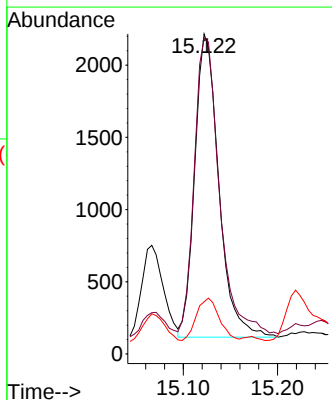
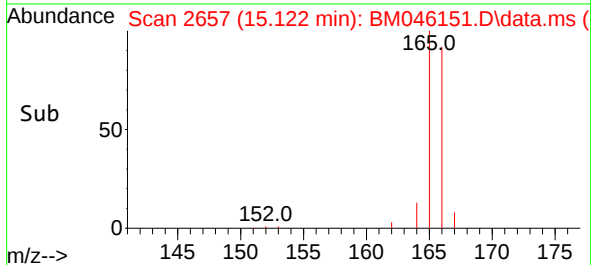
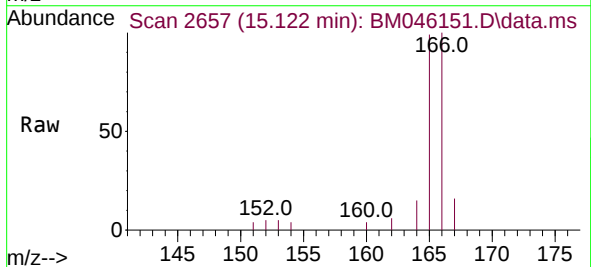
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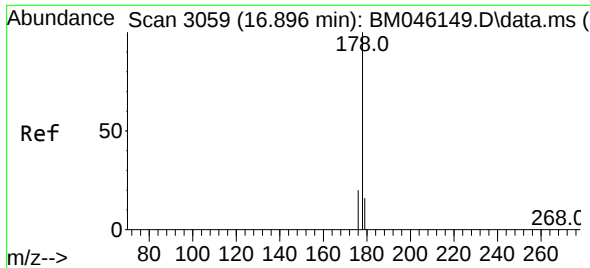
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 0.309 ng/u1
RT: 15.122 min Scan# 2657
Delta R.T. -0.059 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

Tgt Ion:166 Resp: 3726
Ion Ratio Lower Upper
166 100
165 98.7 80.4 120.6
167 16.3 12.4 18.6





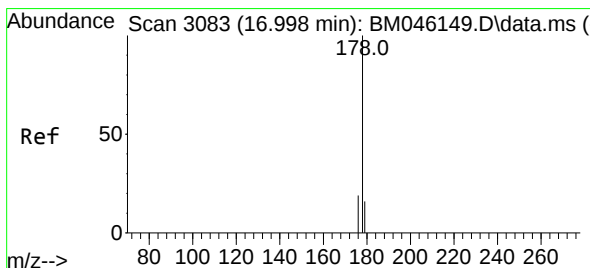
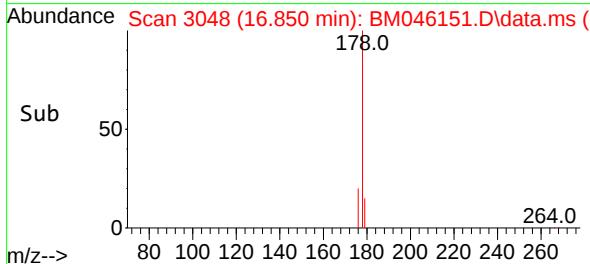
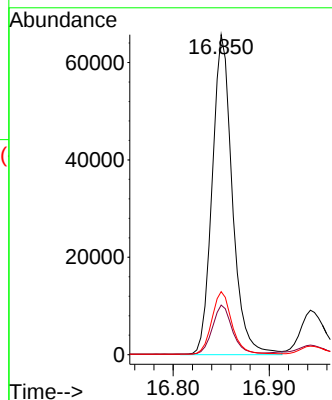
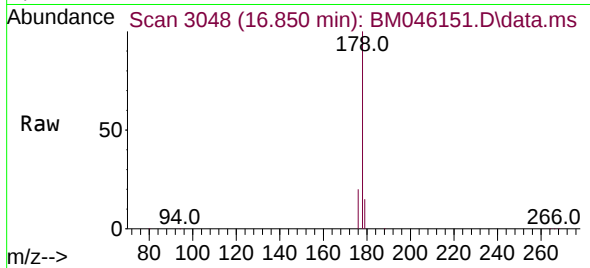
#15
Phenanthrene
Concen: 4.642 ng/ul m
RT: 16.850 min Scan# 3070
Delta R.T. -0.054 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

Instrument :
BNA_M
ClientSampleId :
A4BP2

Tgt Ion:178 Resp: 95580
Ion Ratio Lower Upper
178 100
179 15.5 14.2 21.2
176 19.7 17.1 25.7

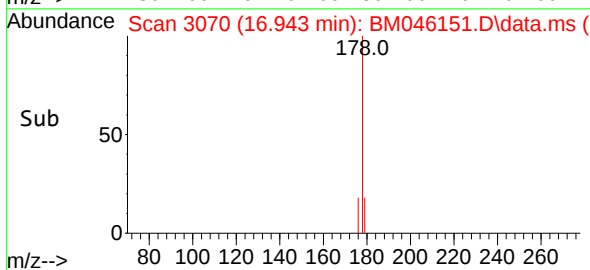
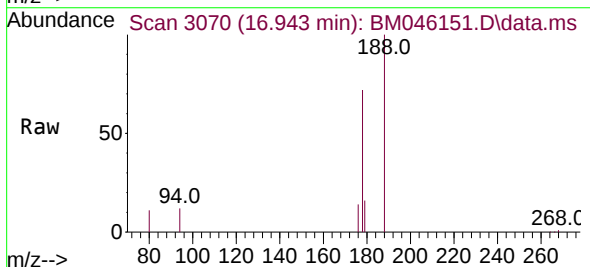
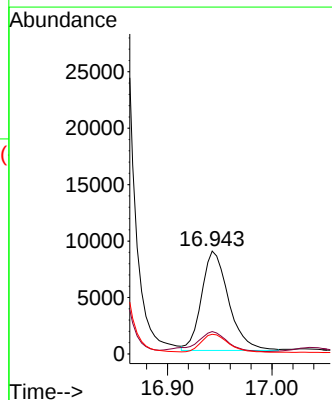
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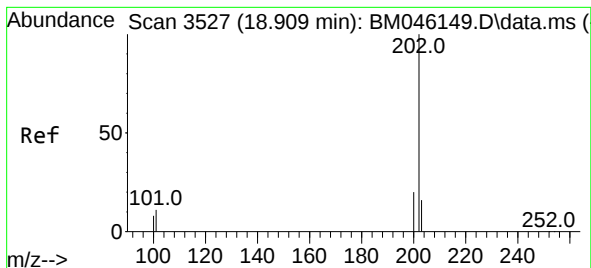
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#16
Anthracene
Concen: 1.038 ng/ul m
RT: 16.943 min Scan# 3070
Delta R.T. -0.062 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

Tgt Ion:178 Resp: 15913
Ion Ratio Lower Upper
178 100
179 21.7 14.9 22.3
176 19.1 17.0 25.4





#19

Fluoranthene

Concen: 10.380 ng/u1

RT: 18.872 min Scan# 3

Delta R.T. -0.045 min

Lab File: BM046151.D

Acq: 21 Jun 2024 09:39

Instrument :

BNA_M

ClientSampleId :

A4BP2

Tgt Ion:202 Resp: 26628

Ion Ratio Lower Upper

202 100

101 11.0 9.6 14.4

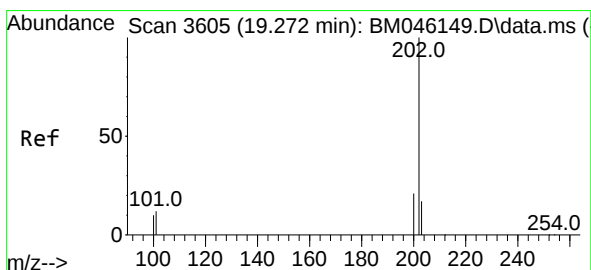
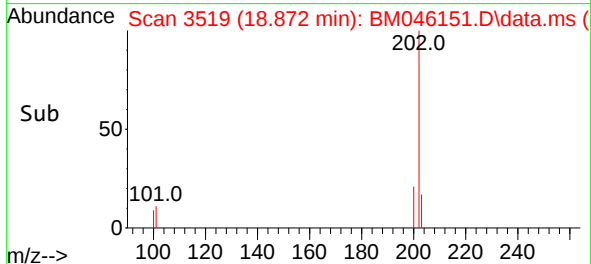
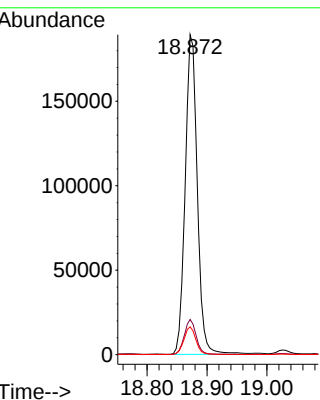
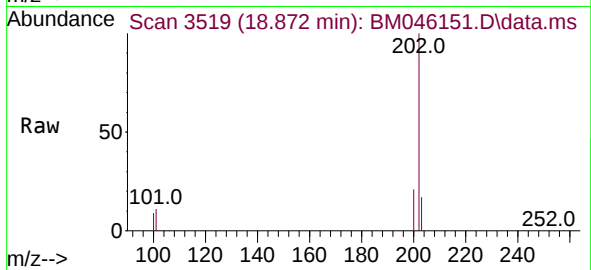
100 8.7 7.6 11.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#20

Pyrene

Concen: 6.597 ng/u1

RT: 19.234 min Scan# 3597

Delta R.T. -0.041 min

Lab File: BM046151.D

Acq: 21 Jun 2024 09:39

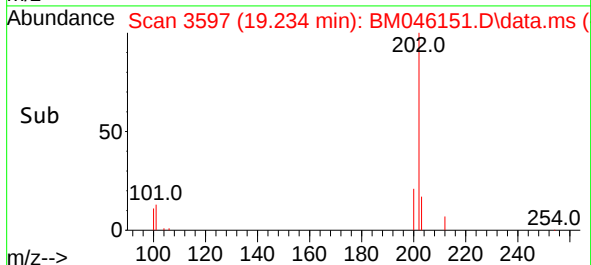
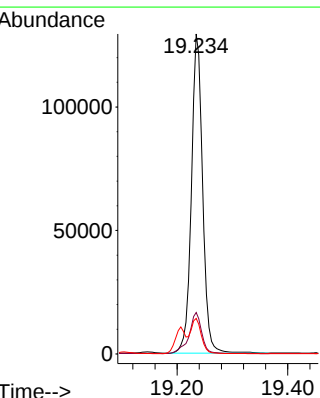
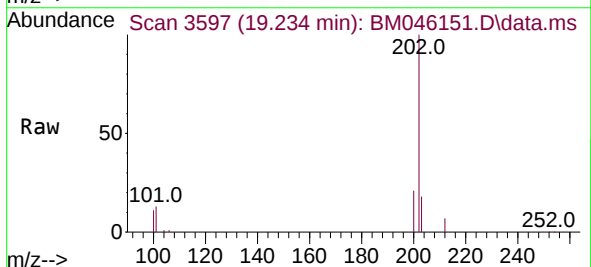
Tgt Ion:202 Resp: 183040

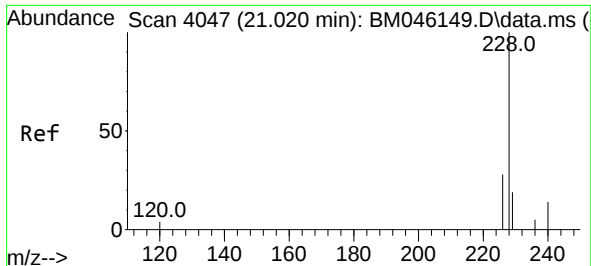
Ion Ratio Lower Upper

202 100

101 12.9 11.3 16.9

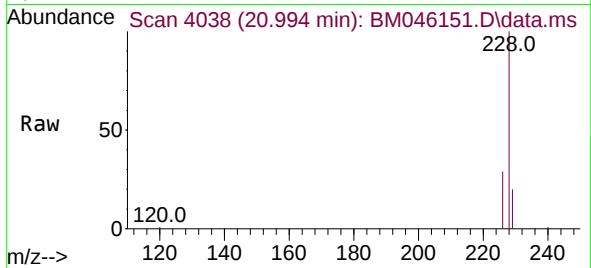
100 11.1 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.883 ng/ul m
RT: 20.994 min Scan# 4047
Delta R.T. -0.035 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

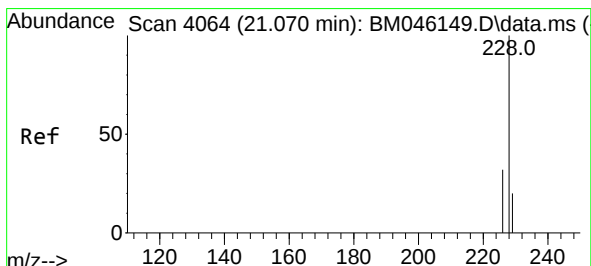
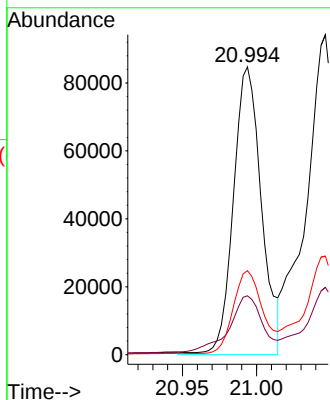
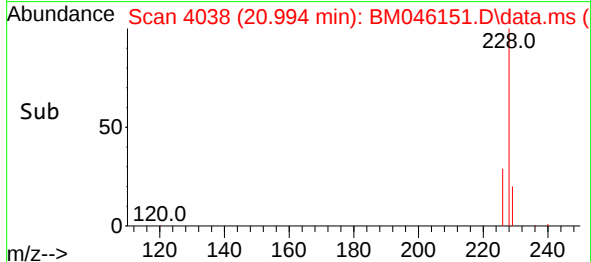
Instrument :
BNA_M
ClientSampleId :
A4BP2



Tgt Ion:228 Resp: 111749
Ion Ratio Lower Upper
228 100
229 20.5 16.4 24.6
226 29.2 23.4 35.2

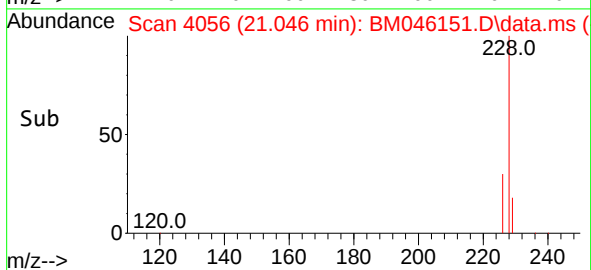
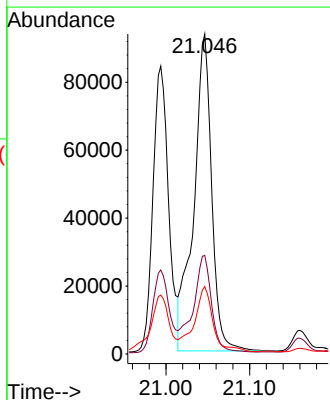
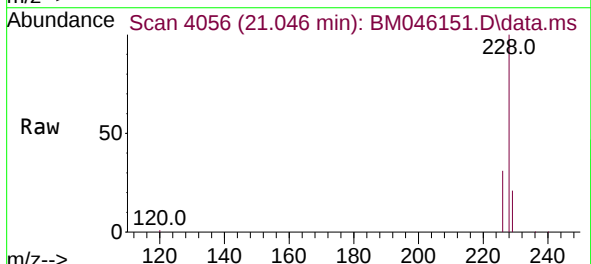
Manual Integrations
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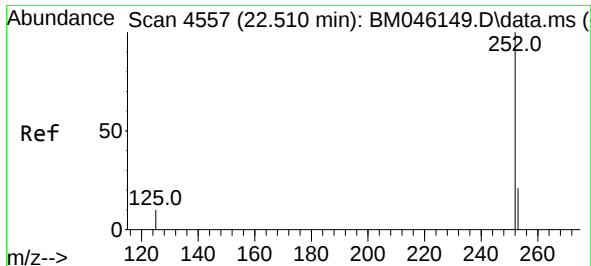
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 4.753 ng/ul
RT: 21.046 min Scan# 4056
Delta R.T. -0.030 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

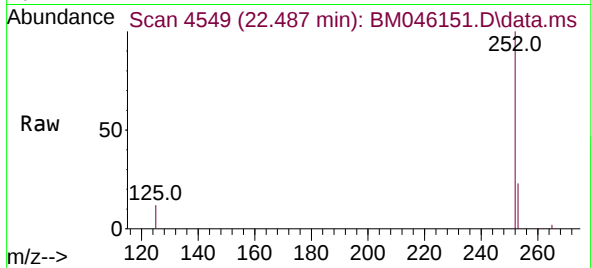
Tgt Ion:228 Resp: 138827
Ion Ratio Lower Upper
228 100
226 30.8 25.2 37.8
229 21.0 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 8.934 ng/ul m
RT: 22.487 min Scan# 4549
Delta R.T. -0.033 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

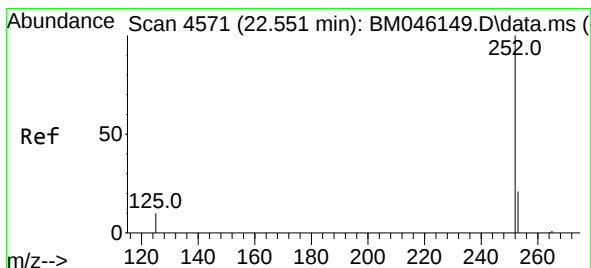
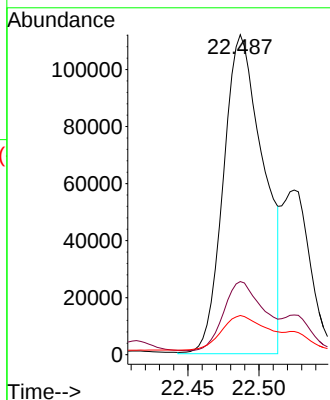
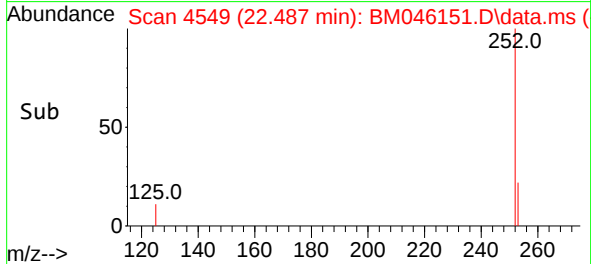
Instrument :
BNA_M
ClientSampleId :
A4BP2



Tgt Ion:252 Resp: 219220
Ion Ratio Lower Upper
252 100
253 22.9 0.0 65.8
125 12.2 0.0 40.2

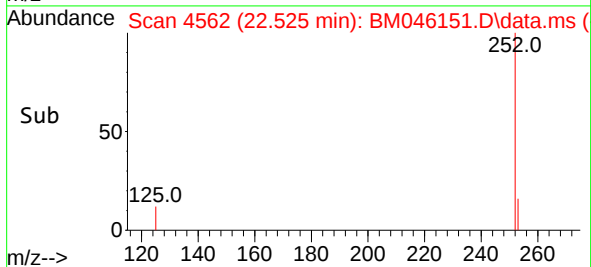
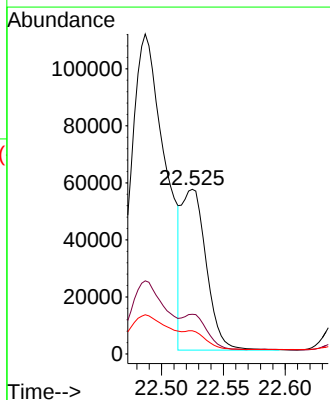
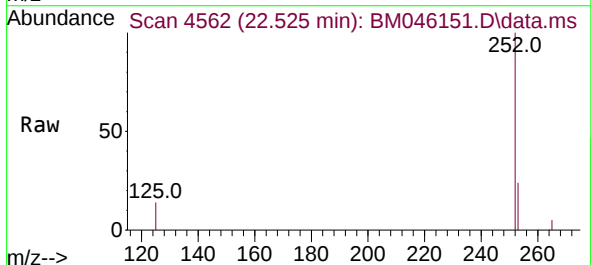
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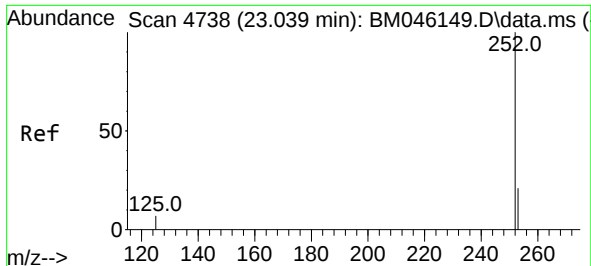
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#25
Benzo(k)fluoranthene
Concen: 2.694 ng/ul m
RT: 22.525 min Scan# 4562
Delta R.T. -0.038 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

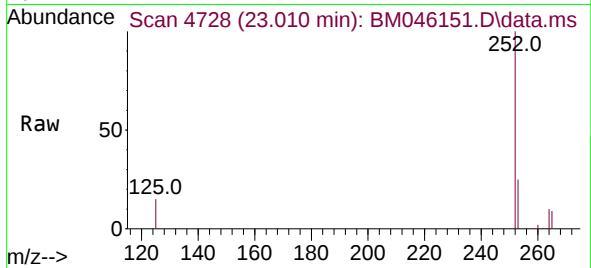
Tgt Ion:252 Resp: 78598
Ion Ratio Lower Upper
252 100
253 24.2 27.2 40.8#
125 14.1 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 3.167 ng/ul
RT: 23.010 min Scan# 41
Delta R.T. -0.044 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

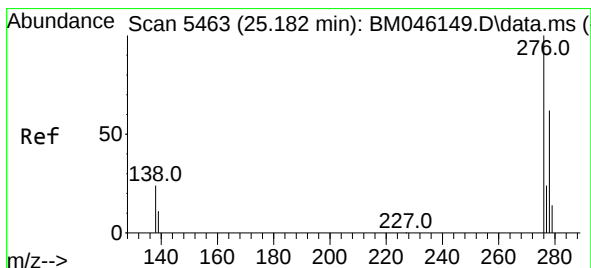
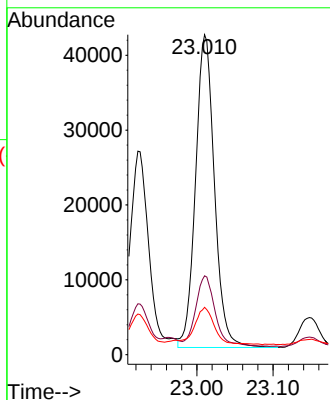
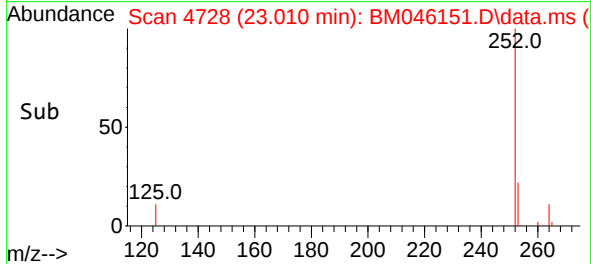
Instrument :
BNA_M
ClientSampleId :
A4BP2



Tgt Ion:252 Resp: 72018
Ion Ratio Lower Upper
252 100
253 24.6 32.1 48.1
125 14.8 21.2 31.8

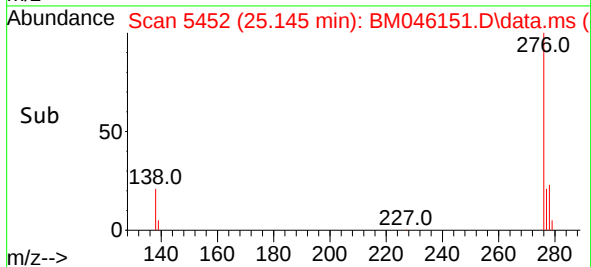
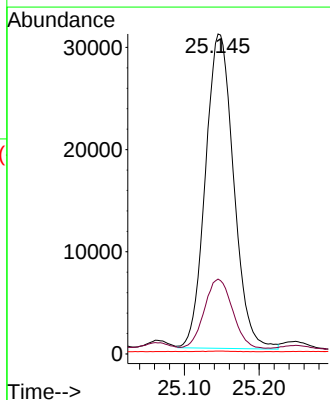
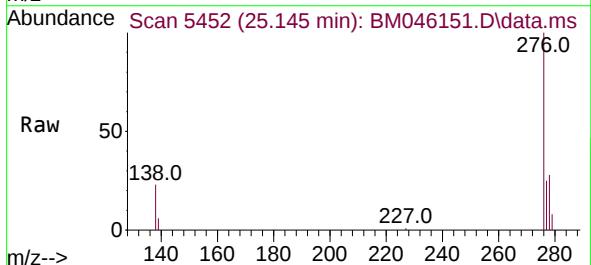
Manual Integrations
APPROVED

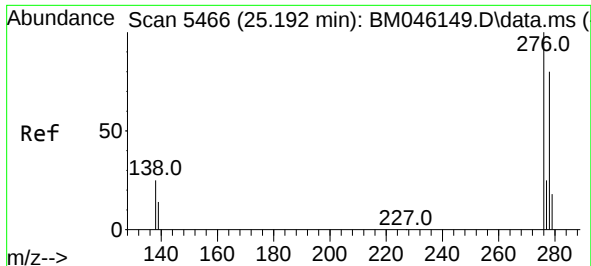
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.169 ng/ul
RT: 25.145 min Scan# 5452
Delta R.T. -0.057 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

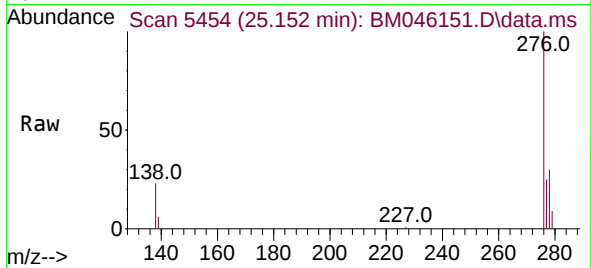
Tgt Ion:276 Resp: 80703
Ion Ratio Lower Upper
276 100
138 22.1 21.0 31.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.914 ng/ul
RT: 25.152 min Scan# 5466
Delta R.T. -0.064 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39

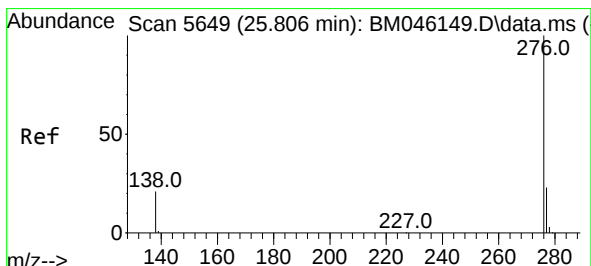
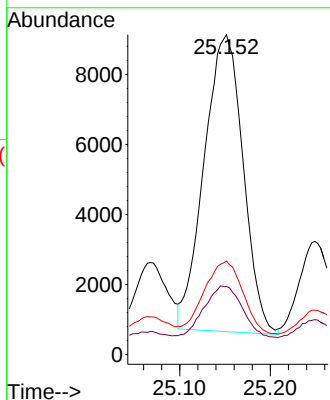
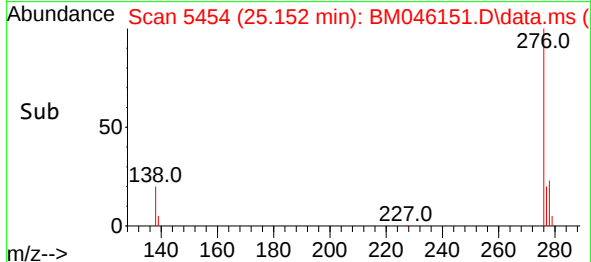
Instrument :
BNA_M
ClientSampleId :
A4BP2



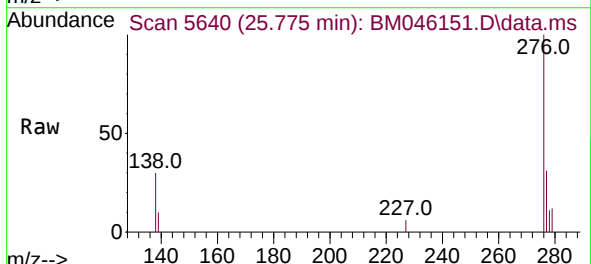
Tgt Ion:278 Resp: 25328
Ion Ratio Lower Upper
278 100
139 21.3 17.6 26.4
279 29.2 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 0.361 ng/ul
RT: 25.775 min Scan# 5640
Delta R.T. -0.054 min
Lab File: BM046151.D
Acq: 21 Jun 2024 09:39



Tgt Ion:276 Resp: 11512
Ion Ratio Lower Upper
276 100
138 29.6 21.7 32.5
277 30.6 20.4 30.6

