

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045896.D
 Acq On : 08 Jun 2024 00:46
 Operator : MA/JU
 Sample : P2586-09DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D20DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 08 01:20:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.472	152	5939	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.242	136	20381	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.112	164	11015	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.857	188	21702	0.400	ng/ul	0.00
17) Chrysene-d12	21.050	240	16031	0.400	ng/ul	0.00
23) Perylene-d12	23.157	264	17103m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	6602	0.976	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.837	152	2088	0.071	ng/ul	-0.01
18) Fluoranthene-d10	18.884	212	3880	0.081	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.292	128	12497	0.235	ng/ul	98
7) 2-Methylnaphthalene	11.914	142	10656	0.314	ng/ul	99
8) 1-Methylnaphthalene	12.134	142	11035	0.299	ng/ul	98
10) Acenaphthylene	13.830	152	14554	0.291	ng/ul	98
11) Acenaphthene	14.177	153	3721	0.101	ng/ul	96
12) Fluorene	15.167	166	4764	0.116	ng/ul#	92
15) Phenanthrene	16.895	178	127712	2.096	ng/ul	99
16) Anthracene	16.988	178	20851	0.401	ng/ul	98
19) Fluoranthene	18.917	202	280446	4.387	ng/ul	97
20) Pyrene	19.279	202	241635	3.624	ng/ul	97
21) Benzo(a)anthracene	21.029	228	122529	2.082	ng/ul	96
22) Chrysene	21.082	228	143545	2.241	ng/ul	98
24) Benzo(b)fluoranthene	22.534	252	184194m	3.247	ng/ul	
25) Benzo(k)fluoranthene	22.572	252	58031m	0.931	ng/ul	
26) Benzo(a)pyrene	23.063	252	115549	2.048	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.222	276	87196	1.195	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.229	278	22048	0.378	ng/ul#	92
29) Benzo(g,h,i)perylene	25.853	276	89454	1.422	ng/ul	96

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

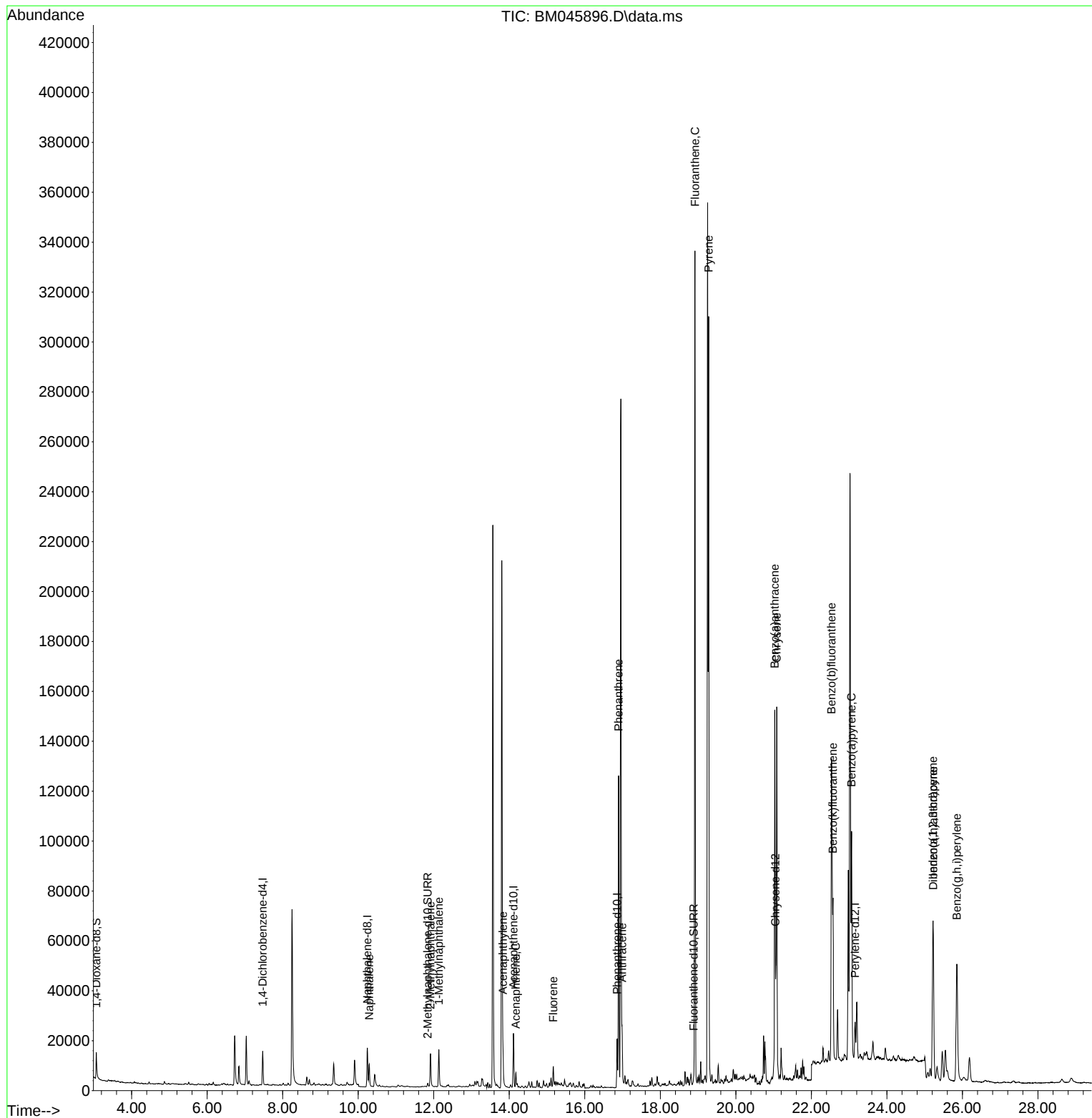
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045896.D
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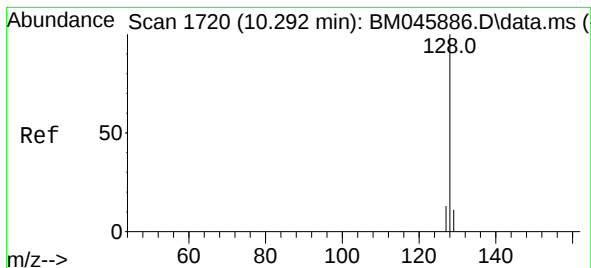
Instrument :
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A4D20DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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#5

Naphthalene

Concen: 0.235 ng/ul

RT: 10.292 min Scan# 1720

Delta R.T. -0.011 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

Instrument :

BNA_M

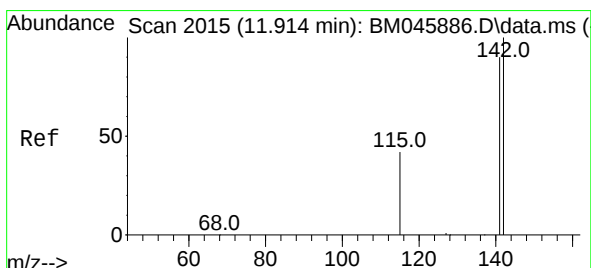
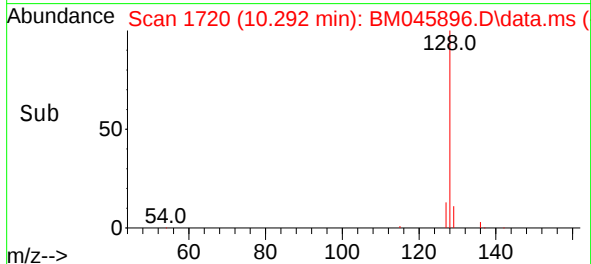
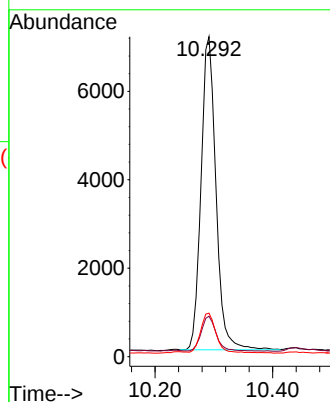
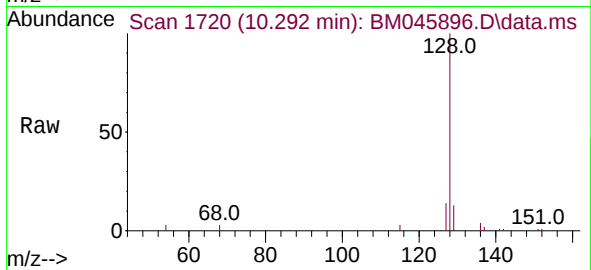
ClientSampleId :

A4D20DL

Tgt Ion:	128	Resp:	1249
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.4	14.0
127	13.6	10.6	15.8

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Supervised By :mohammad ahmed 06/13/2024



#7

2-Methylnaphthalene

Concen: 0.314 ng/ul

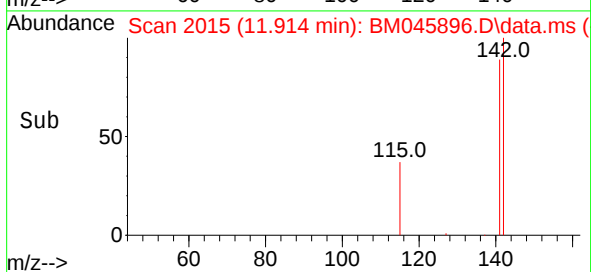
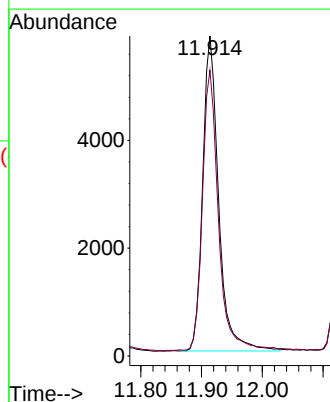
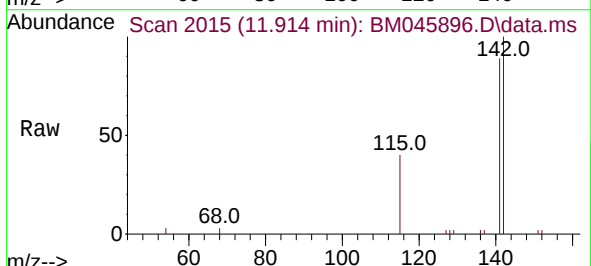
RT: 11.914 min Scan# 2015

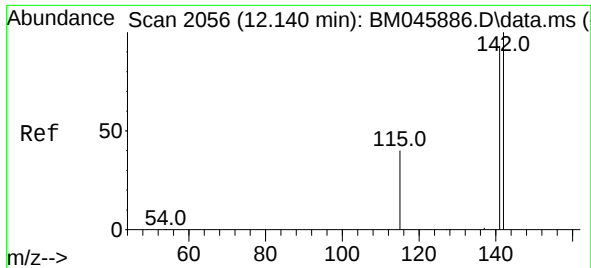
Delta R.T. -0.006 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

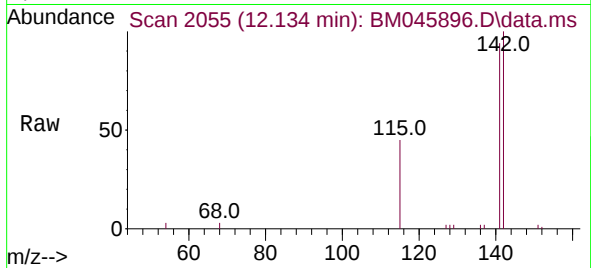
Tgt Ion:	142	Resp:	10656
Ion Ratio	Lower	Upper	
142	100		
141	89.6	72.2	108.4





#8
1-Methylnaphthalene
Concen: 0.299 ng/ul
RT: 12.134 min Scan# 2055
Delta R.T. -0.011 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

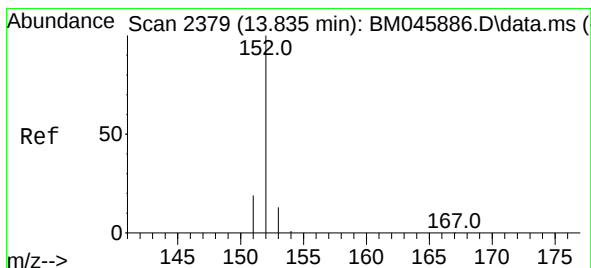
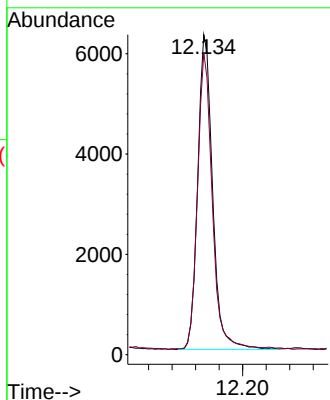
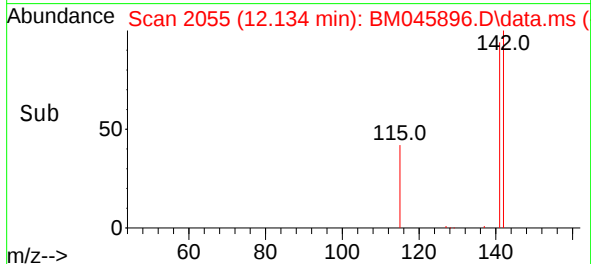
Instrument :
BNA_M
ClientSampleId :
A4D20DL



Tgt Ion:142 Resp: 11034
Ion Ratio Lower Upper
142 100
141 93.6 73.5 110.3

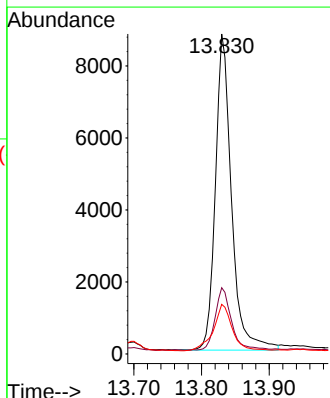
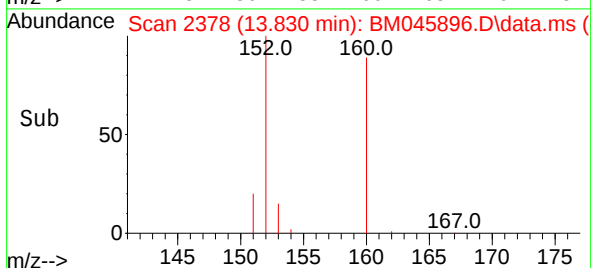
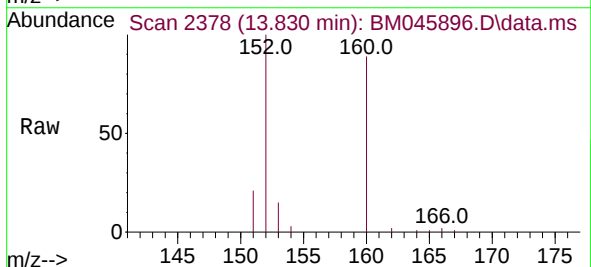
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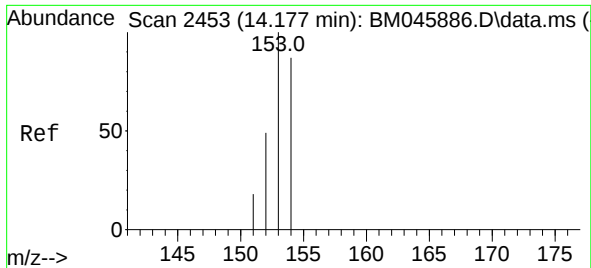
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.291 ng/ul
RT: 13.830 min Scan# 2378
Delta R.T. -0.009 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

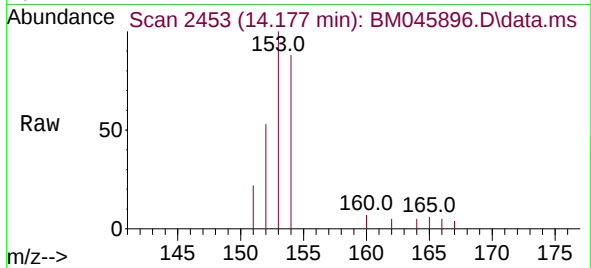
Tgt Ion:152 Resp: 14554
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 15.5 11.1 16.7





#11
Acenaphthene
Concen: 0.101 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.005 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

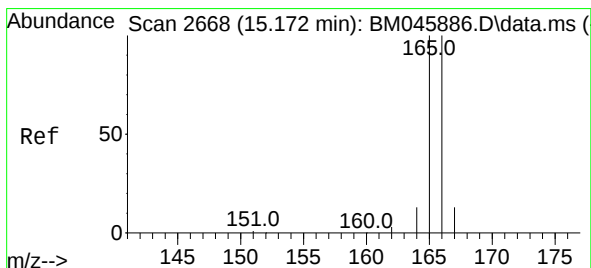
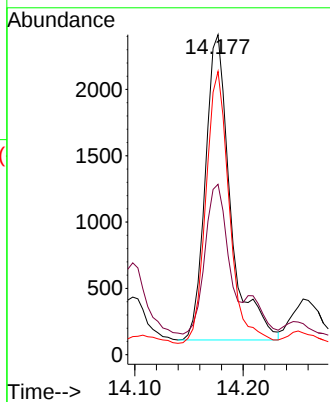
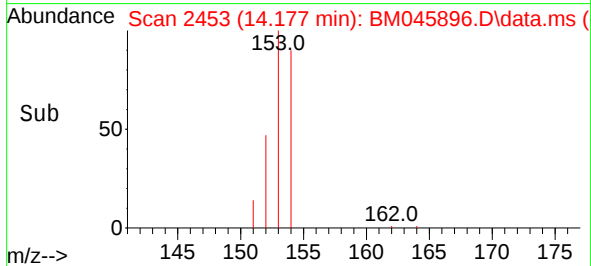
Instrument :
BNA_M
ClientSampleId :
A4D20DL



Tgt Ion:153 Resp: 372
Ion Ratio Lower Upper
153 100
152 53.3 39.0 58.4
154 88.5 69.4 104.2

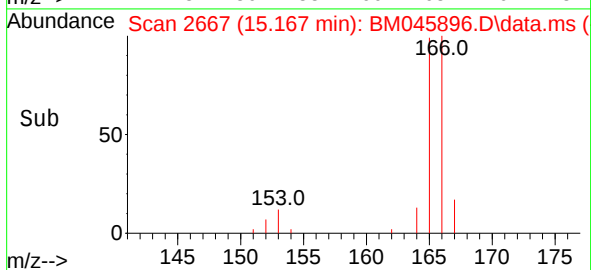
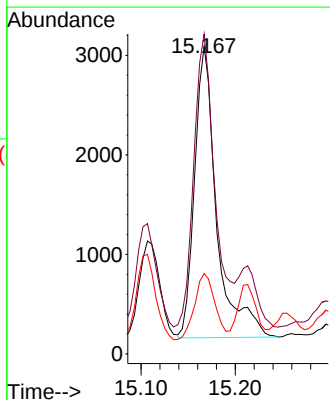
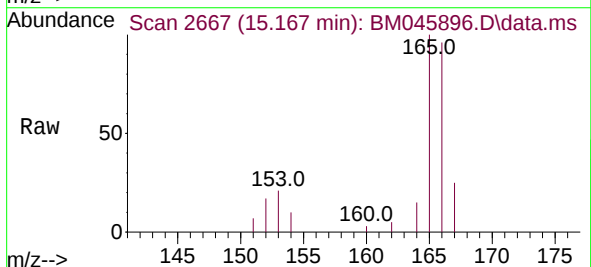
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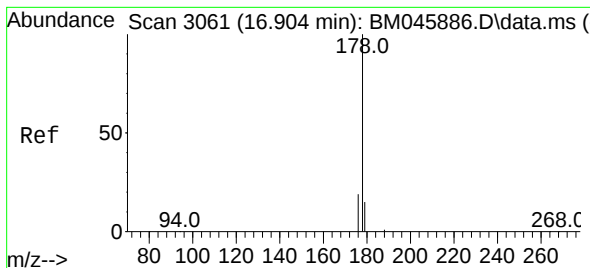
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.116 ng/ul
RT: 15.167 min Scan# 2667
Delta R.T. -0.009 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

Tgt Ion:166 Resp: 4764
Ion Ratio Lower Upper
166 100
165 104.1 79.7 119.5
167 26.2 11.3 16.9#





#15

Phenanthrene

Concen: 2.096 ng/ul

RT: 16.895 min Scan# 3059

Delta R.T. -0.009 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

Instrument :

BNA_M

ClientSampleId :

A4D20DL

Tgt Ion:178 Resp: 12771

Ion Ratio Lower Upper

178 100

179 15.5 12.7 19.1

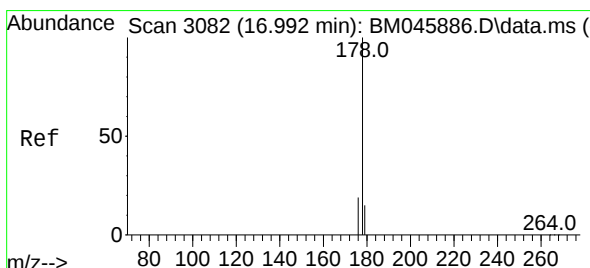
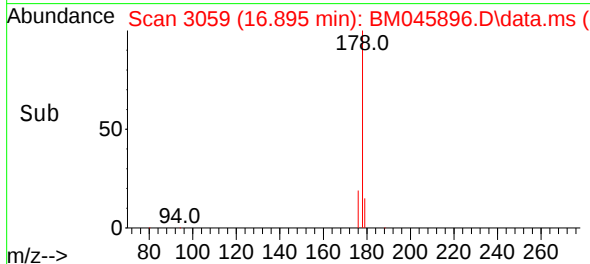
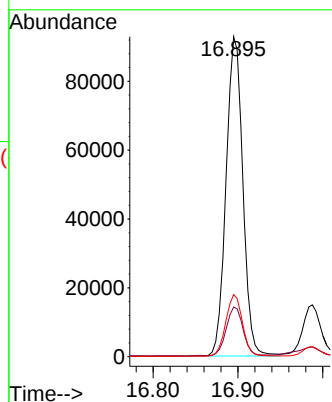
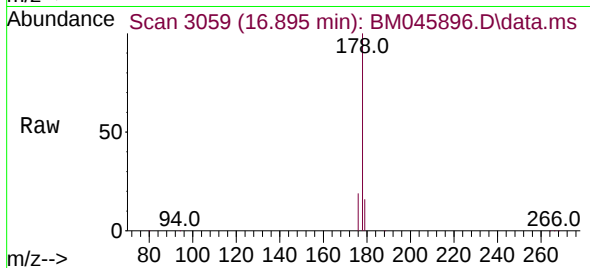
176 19.4 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/13/2024



#16

Anthracene

Concen: 0.401 ng/ul

RT: 16.988 min Scan# 3081

Delta R.T. -0.009 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

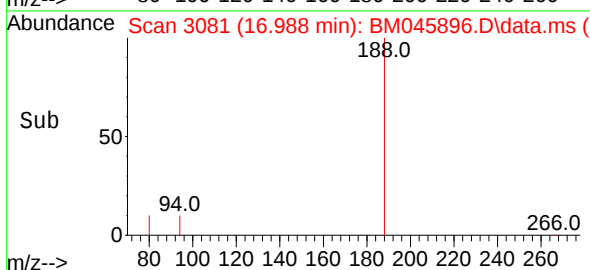
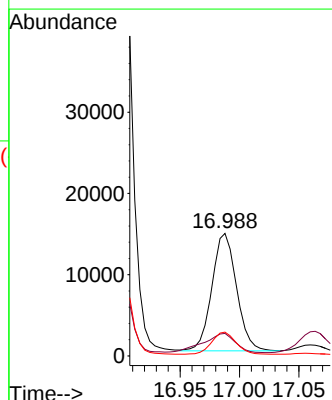
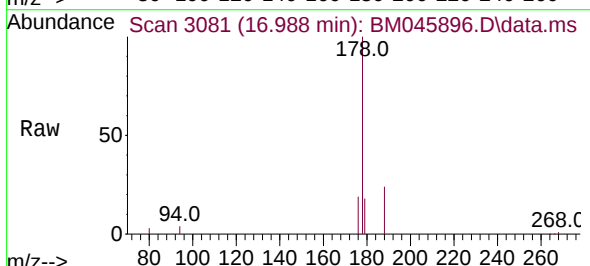
Tgt Ion:178 Resp: 20851

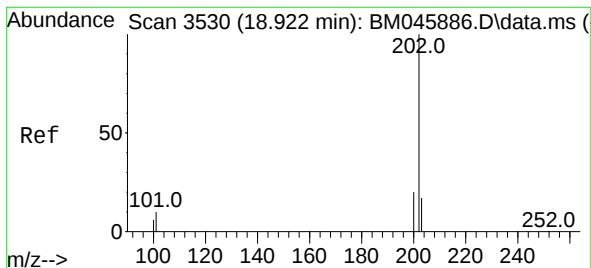
Ion Ratio Lower Upper

178 100

179 18.4 13.1 19.7

176 19.5 15.5 23.3





#19

Fluoranthene

Concen: 4.387 ng/ul

RT: 18.917 min Scan# 3529

Delta R.T. -0.005 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

Instrument :

BNA_M

ClientSampleId :

A4D20DL

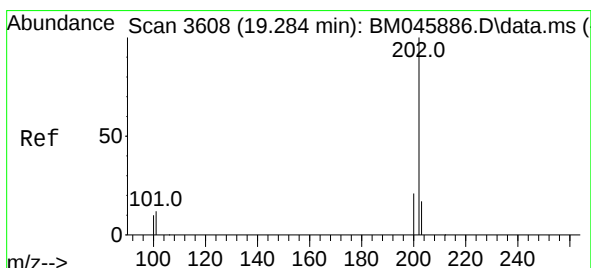
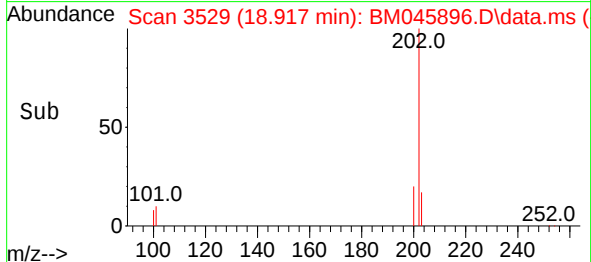
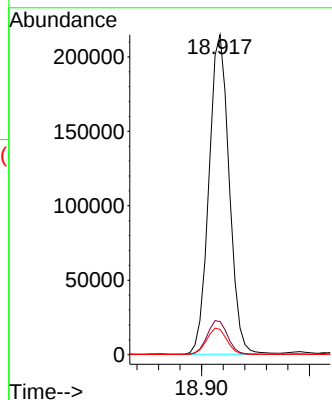
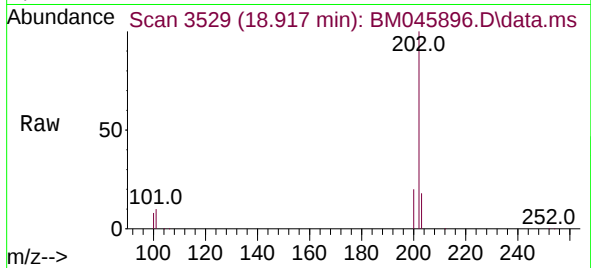
Tgt Ion:202	Resp: 280440
Ion Ratio	Lower Upper
202 100	
101 10.3	9.0 13.6
100 7.9	7.0 10.6

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#20

Pyrene

Concen: 3.624 ng/ul

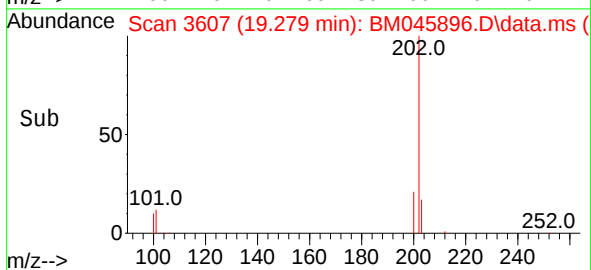
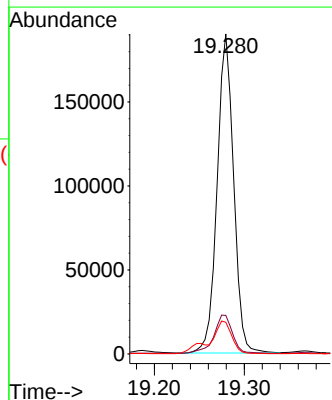
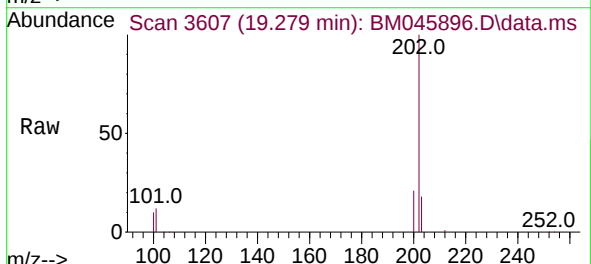
RT: 19.279 min Scan# 3607

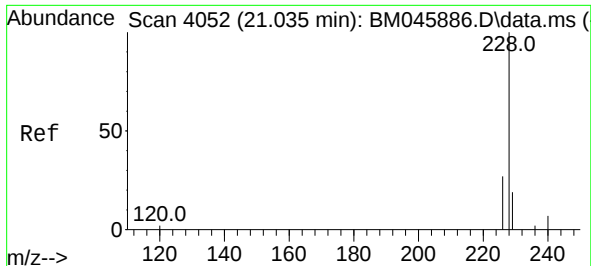
Delta R.T. -0.005 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

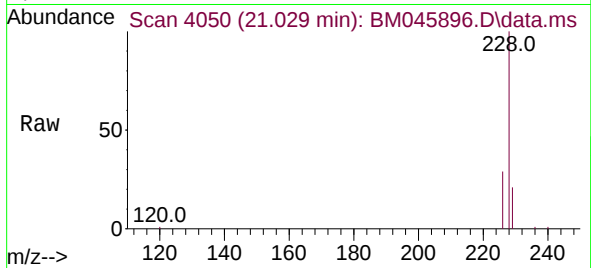
Tgt Ion:202	Resp: 241635
Ion Ratio	Lower Upper
202 100	
101 12.1	10.6 16.0
100 9.9	9.1 13.7





#21
Benzo(a)anthracene
Concen: 2.082 ng/ul
RT: 21.029 min Scan# 4050
Delta R.T. -0.006 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

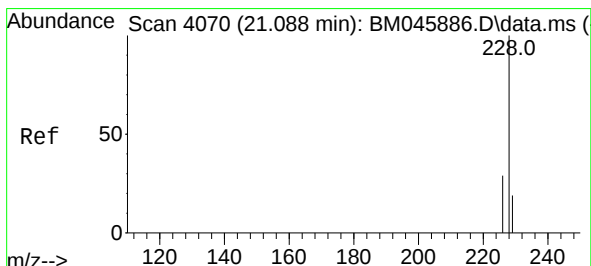
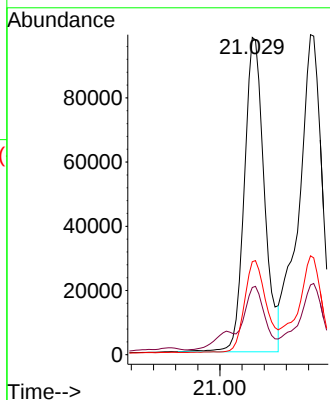
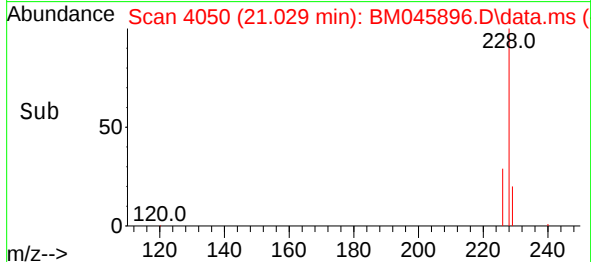
Instrument :
BNA_M
ClientSampleId :
A4D20DL



Tgt Ion:228 Resp: 122529
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 29.3 22.0 33.0

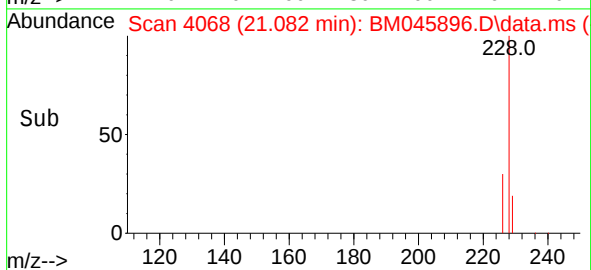
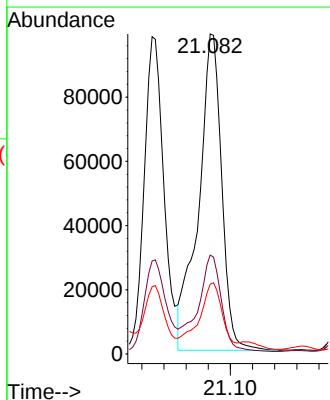
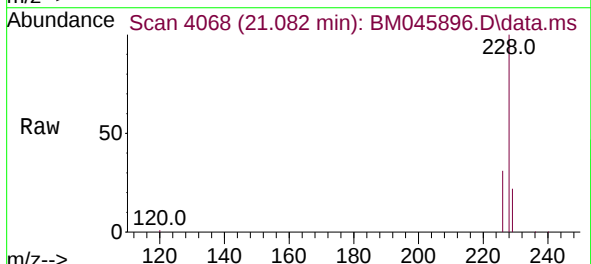
Manual Integrations
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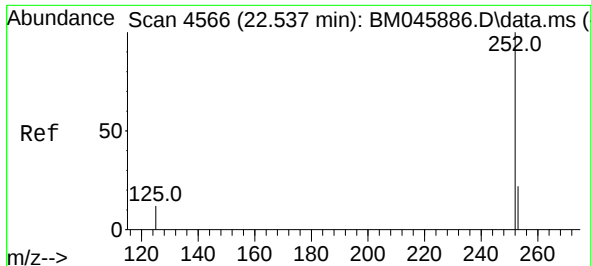
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 2.241 ng/ul
RT: 21.082 min Scan# 4068
Delta R.T. -0.006 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

Tgt Ion:228 Resp: 143545
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 21.8 16.2 24.2





#24

Benzo(b)fluoranthene

Concen: 3.247 ng/ul m

RT: 22.534 min Scan# 4566

Delta R.T. -0.003 min

Lab File: BM045896.D

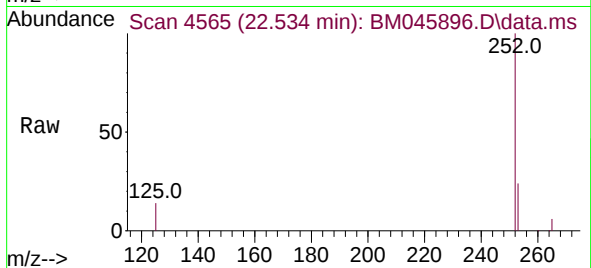
Acq: 08 Jun 2024 00:46

Instrument :

BNA_M

ClientSampleId :

A4D20DL



Tgt Ion:252 Resp: 184194

Ion Ratio Lower Upper

252 100

253 24.5 0.0 63.6

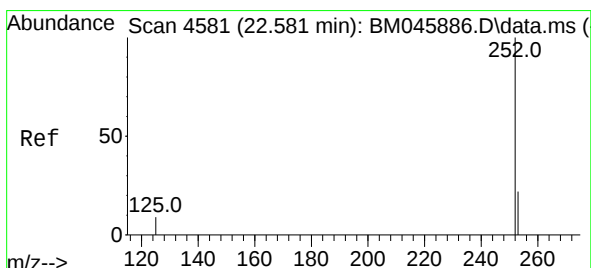
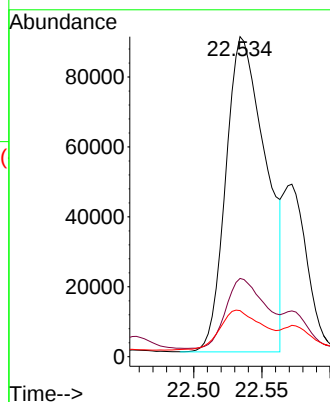
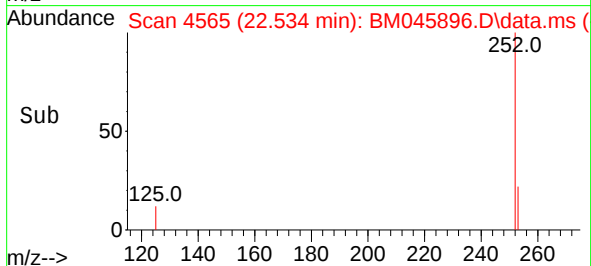
125 14.4 0.0 35.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/13/2024



#25

Benzo(k)fluoranthene

Concen: 0.931 ng/ul m

RT: 22.572 min Scan# 4578

Delta R.T. -0.009 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

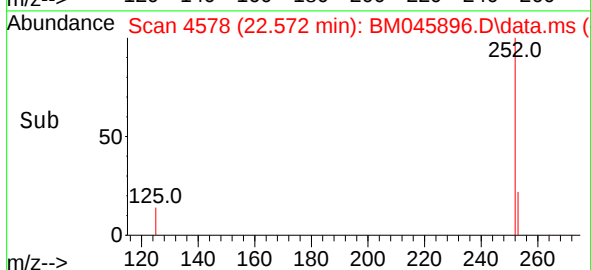
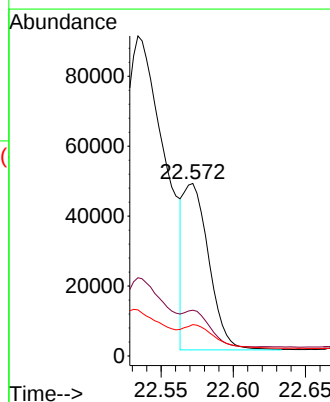
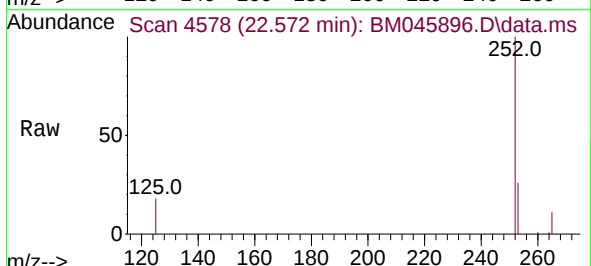
Tgt Ion:252 Resp: 58031

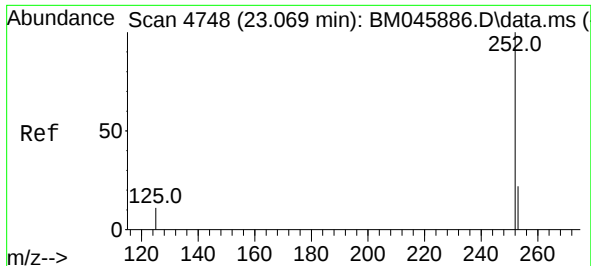
Ion Ratio Lower Upper

252 100

253 26.5 25.0 37.6

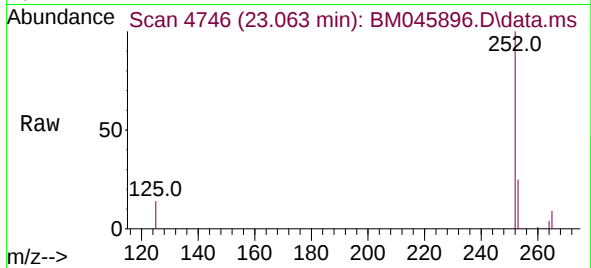
125 18.2 14.2 21.2





#26
Benzo(a)pyrene
Concen: 2.048 ng/ul
RT: 23.063 min Scan# 4746
Delta R.T. -0.009 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

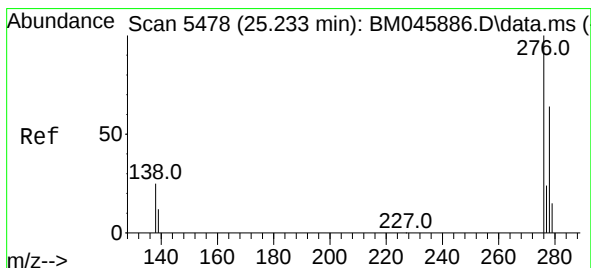
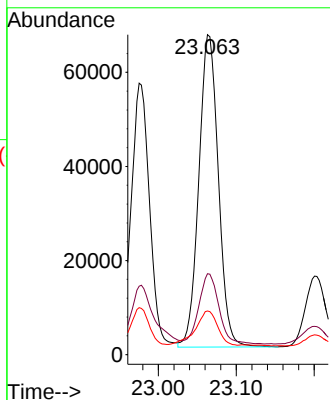
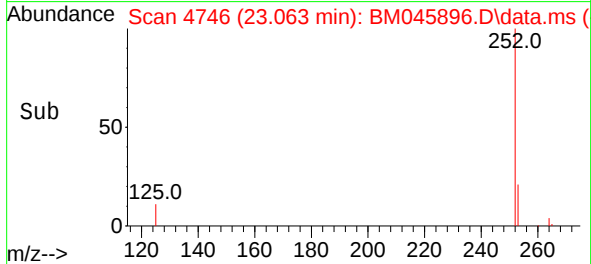
Instrument :
BNA_M
ClientSampleId :
A4D20DL



Tgt Ion:252 Resp: 115549
Ion Ratio Lower Upper
252 100
253 25.3 28.8 43.2
125 13.7 17.3 25.9

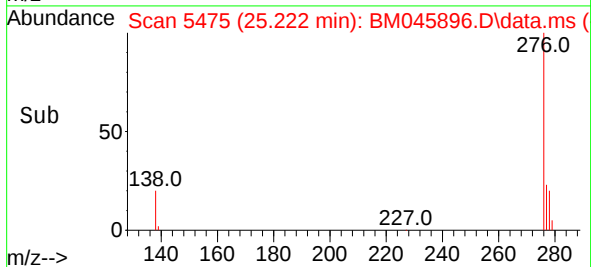
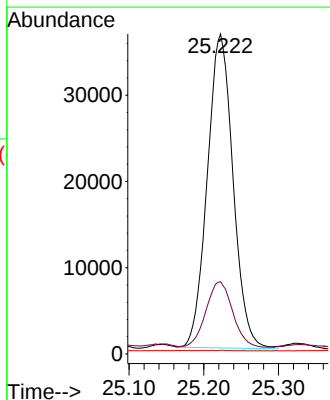
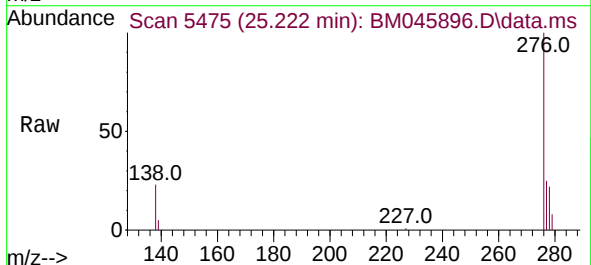
Manual Integrations
APPROVED

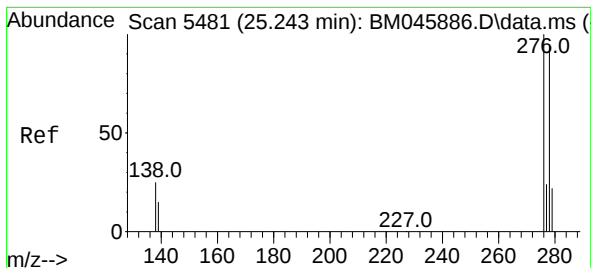
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.195 ng/ul
RT: 25.222 min Scan# 5475
Delta R.T. -0.010 min
Lab File: BM045896.D
Acq: 08 Jun 2024 00:46

Tgt Ion:276 Resp: 87196
Ion Ratio Lower Upper
276 100
138 21.7 20.7 31.1
227 0.1 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.378 ng/ul

RT: 25.229 min Scan# 5481

Delta R.T. -0.020 min

Lab File: BM045896.D

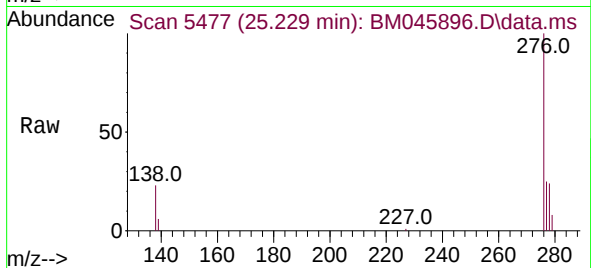
Acq: 08 Jun 2024 00:46

Instrument :

BNA_M

ClientSampleId :

A4D20DL



Tgt Ion:278 Resp: 22048

Ion Ratio Lower Upper

278 100

139 25.4 16.6 25.0

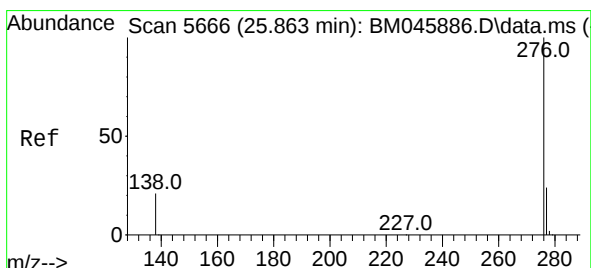
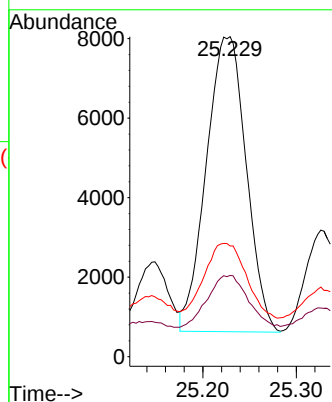
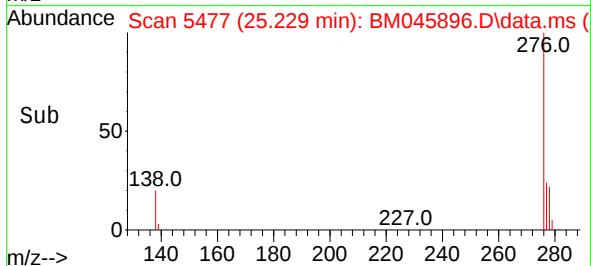
279 34.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/13/2024



#29

Benzo(g,h,i)perylene

Concen: 1.422 ng/ul

RT: 25.853 min Scan# 5663

Delta R.T. -0.010 min

Lab File: BM045896.D

Acq: 08 Jun 2024 00:46

Tgt Ion:276 Resp: 89454

Ion Ratio Lower Upper

276 100

138 23.3 21.0 31.4

277 24.5 20.5 30.7

