

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046874.D
 Acq On : 27 Jul 2024 18:55
 Operator : MA/JU
 Sample : P3263-17 5X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CK5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:31:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 24 15:10:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	4608	0.400	ng/ul	0.00
4) Naphthalene-d8	10.222	136	13945	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.113	164	9990	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.871	188	15039	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.087	240	7204	0.400	ng/ul	# 0.00
23) Perylene-d12	23.226	264	9886	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	2417	0.749	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.822	152	1289	0.058	ng/ul	0.00
18) Fluoranthene-d10	18.914	212	1895	0.081	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.271	128	69267	1.964	ng/ul	96
7) 2-Methylnaphthalene	11.899	142	25394	1.046	ng/ul	100
8) 1-Methylnaphthalene	12.124	142	11864	0.473	ng/ul	99
10) Acenaphthylene	13.827	152	115122	2.516	ng/ul	98
11) Acenaphthene	14.174	153	15080	0.486	ng/ul	98
12) Fluorene	15.173	166	24937	0.642	ng/ul	98
15) Phenanthrene	16.913	178	435850	10.083	ng/ul	98
16) Anthracene	17.002	178	144378	3.588	ng/ul	99
19) Fluoranthene	18.946	202	644218	20.362	ng/ul	98
20) Pyrene	19.309	202	497763	15.209	ng/ul	99
21) Benzo(a)anthracene	21.073	228	307268	10.235	ng/ul	92
22) Chrysene	21.125	228	344164	11.286	ng/ul	97
24) Benzo(b)fluoranthene	22.598	252	583231m	13.438	ng/ul	
25) Benzo(k)fluoranthene	22.633	252	163196m	3.731	ng/ul	
26) Benzo(a)pyrene	23.139	252	179361	5.756	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.349	276	254010	5.297	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.349	278	78018	2.222	ng/ul#	91
29) Benzo(g,h,i)perylene	25.993	276	39567	0.937	ng/ul#	82

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

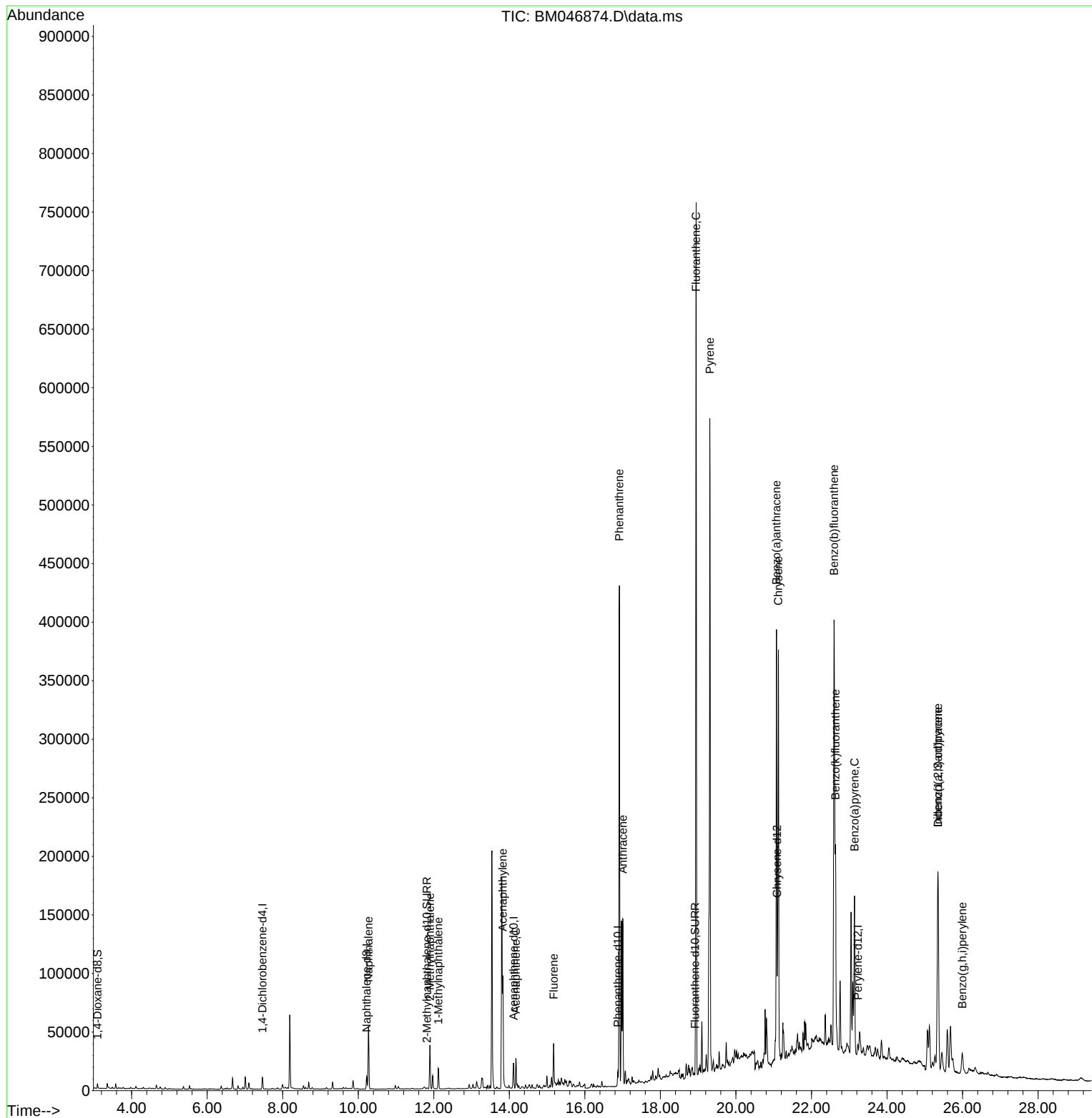
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
Data File : BM046874.D
Acq On : 27 Jul 2024 18:55
Operator : MA/JU
Sample : P3263-17 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

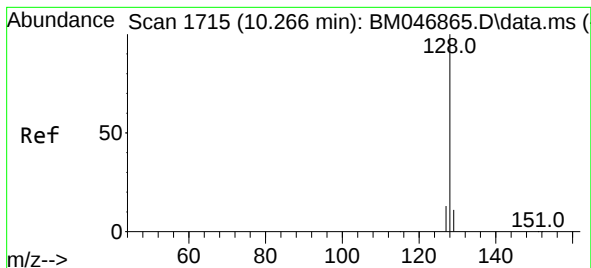
Instrument :
BNA_M
ClientSampleId :
A4CK5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:31:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 24 15:10:37 2024
Response via : Initial Calibration





#5

Naphthalene

Concen: 1.964 ng/ul

RT: 10.271 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Instrument :

BNA_M

ClientSampleId :

A4CK5

Tgt Ion:128 Resp: 6926

Ion Ratio Lower Upper

128 100

129 11.0 10.1 15.1

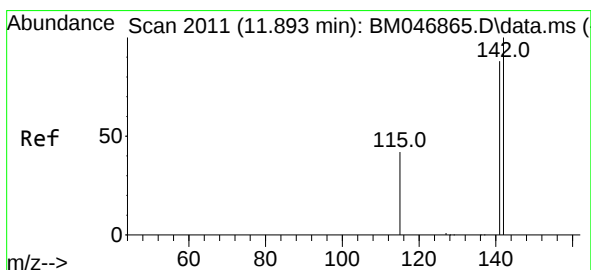
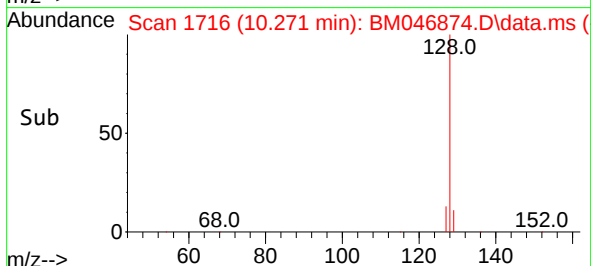
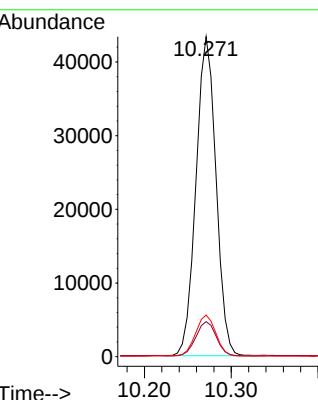
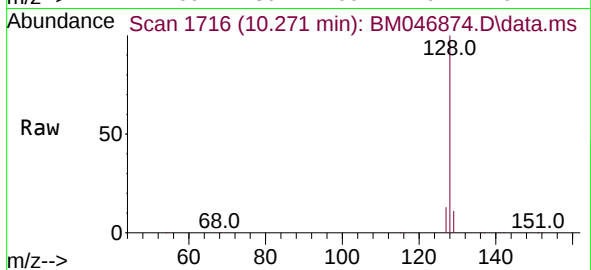
127 13.0 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#7

2-Methylnaphthalene

Concen: 1.046 ng/ul

RT: 11.899 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BM046874.D

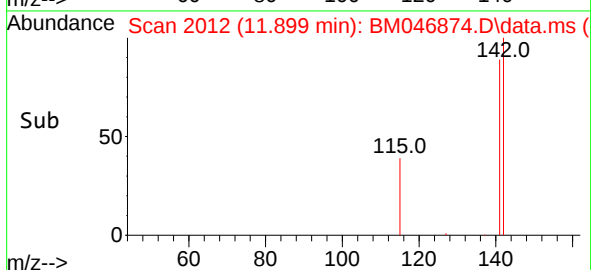
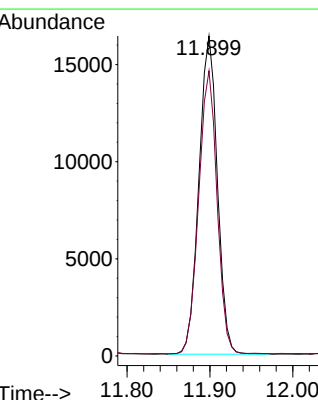
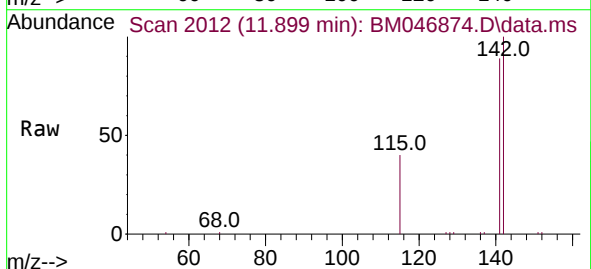
Acq: 27 Jul 2024 18:55

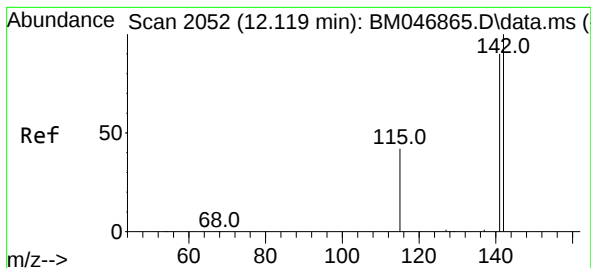
Tgt Ion:142 Resp: 25394

Ion Ratio Lower Upper

142 100

141 88.5 70.5 105.7





#8

1-Methylnaphthalene

Concen: 0.473 ng/ul

RT: 12.124 min Scan# 2053

Delta R.T. -0.006 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Instrument :

BNA_M

ClientSampleId :

A4CK5

Tgt Ion:142 Resp: 11864

Ion Ratio Lower Upper

142 100

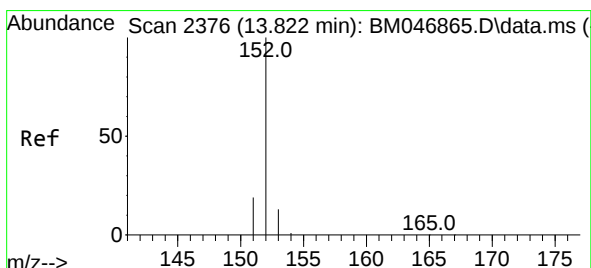
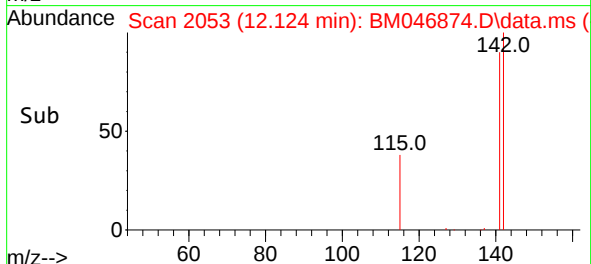
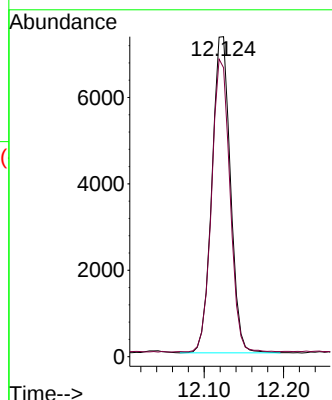
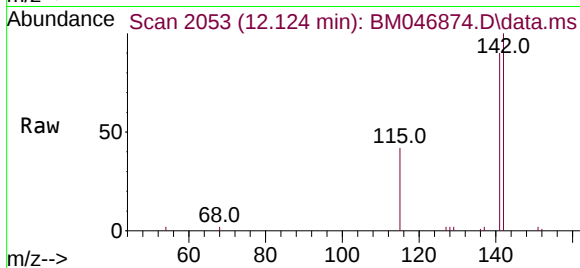
141 91.9 73.1 109.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#10

Acenaphthylene

Concen: 2.516 ng/ul

RT: 13.827 min Scan# 2377

Delta R.T. -0.005 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

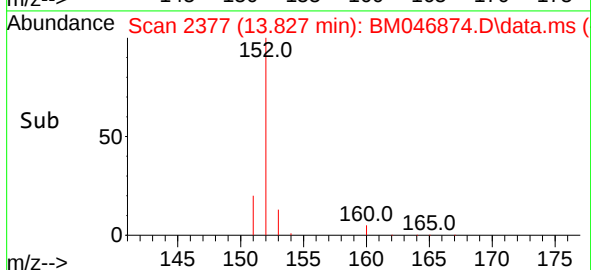
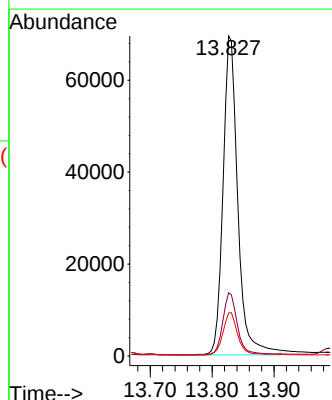
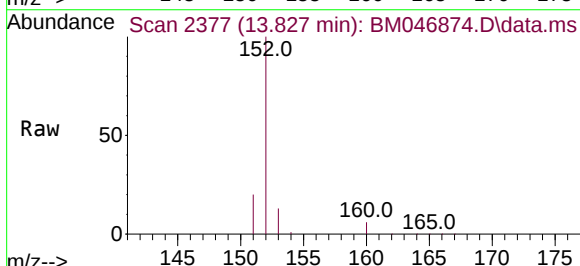
Tgt Ion:152 Resp: 115122

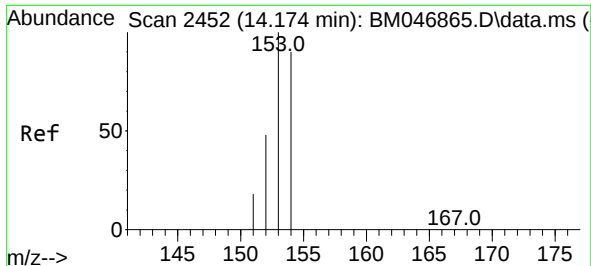
Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

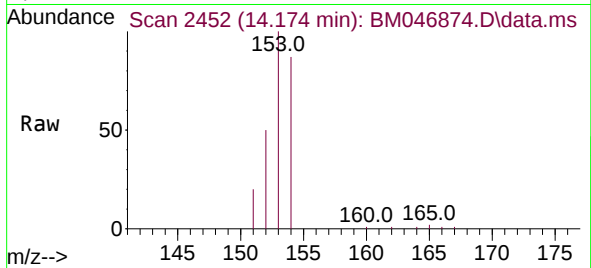
153 13.4 11.0 16.6





#11
Acenaphthene
Concen: 0.486 ng/ul
RT: 14.174 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

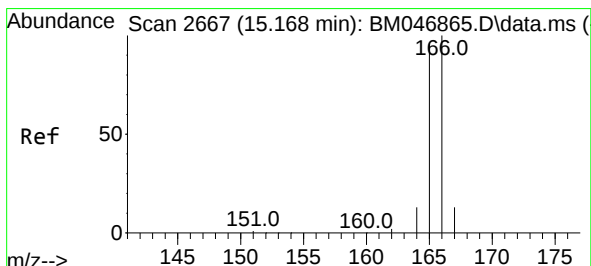
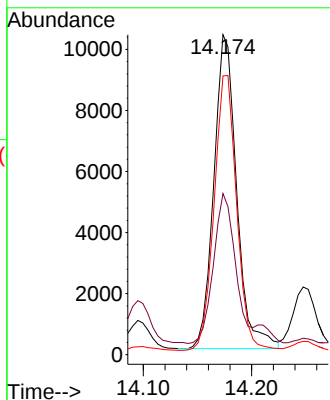
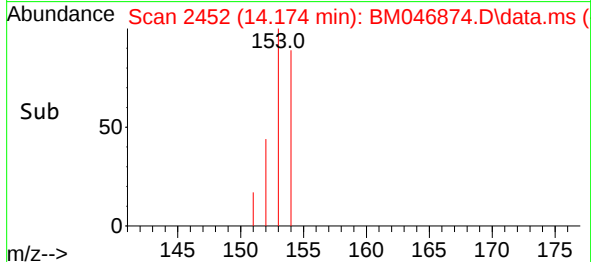
Instrument :
BNA_M
ClientSampleId :
A4CK5



Tgt Ion:153 Resp: 15080
Ion Ratio Lower Upper
153 100
152 50.3 38.6 57.8
154 87.1 70.8 106.2

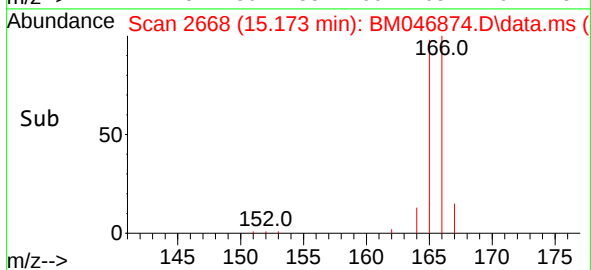
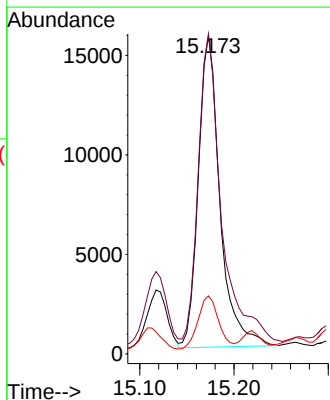
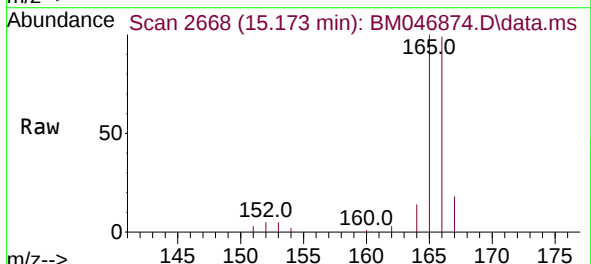
Manual Integrations
APPROVED

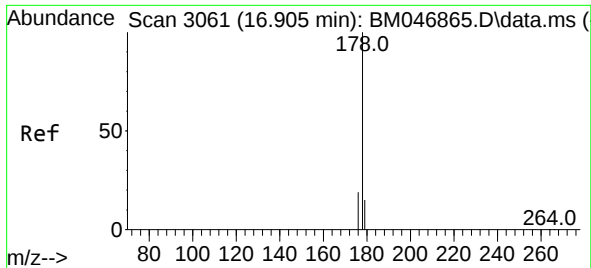
Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024



#12
Fluorene
Concen: 0.642 ng/ul
RT: 15.173 min Scan# 2668
Delta R.T. -0.005 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

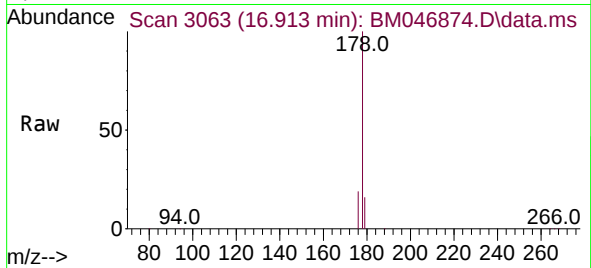
Tgt Ion:166 Resp: 24937
Ion Ratio Lower Upper
166 100
165 100.6 79.8 119.6
167 18.3 12.3 18.5





#15
Phenanthrene
Concen: 10.083 ng/u1
RT: 16.913 min Scan# 3063
Delta R.T. -0.000 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

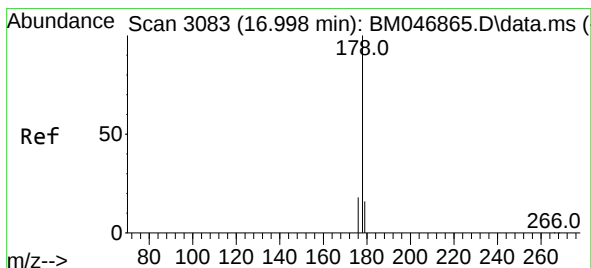
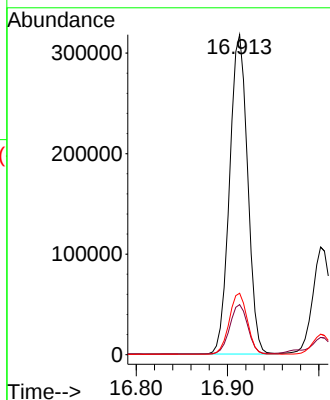
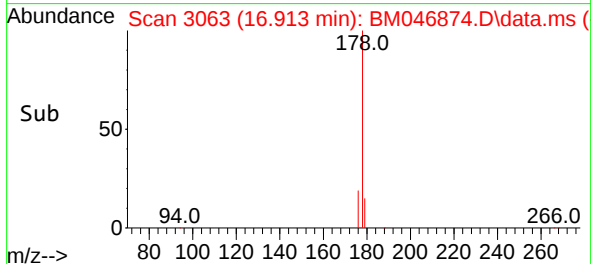
Instrument :
BNA_M
ClientSampleId :
A4CK5



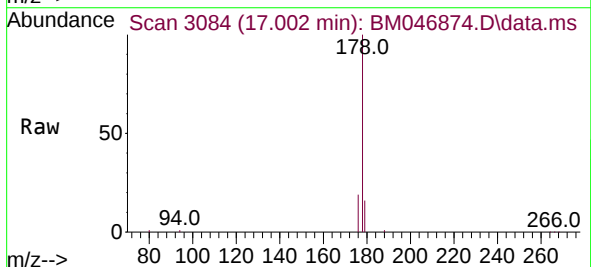
Tgt Ion:178 Resp: 435850
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 19.2 16.1 24.1

Manual Integrations
APPROVED

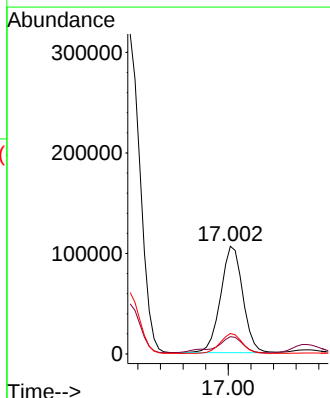
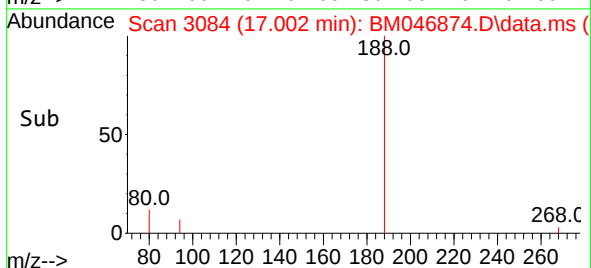
Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024

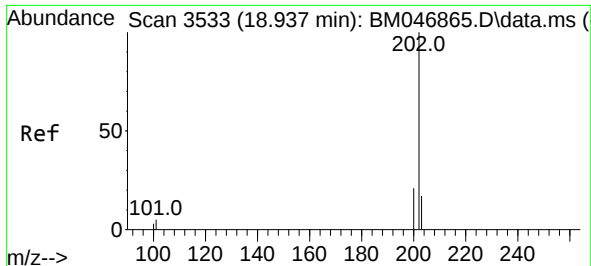


#16
Anthracene
Concen: 3.588 ng/u1
RT: 17.002 min Scan# 3084
Delta R.T. -0.004 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55



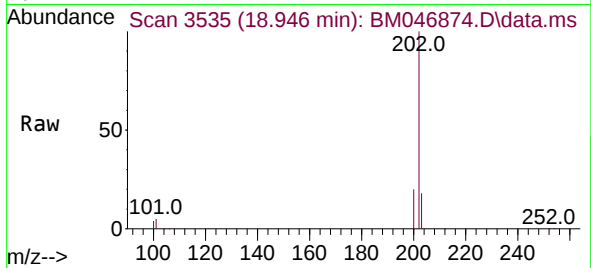
Tgt Ion:178 Resp: 144378
Ion Ratio Lower Upper
178 100
179 16.0 13.1 19.7
176 19.0 15.0 22.6





#19
Fluoranthene
Concen: 20.362 ng/u1
RT: 18.946 min Scan# 3533
Delta R.T. 0.005 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

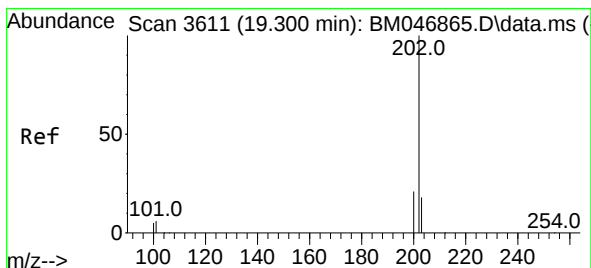
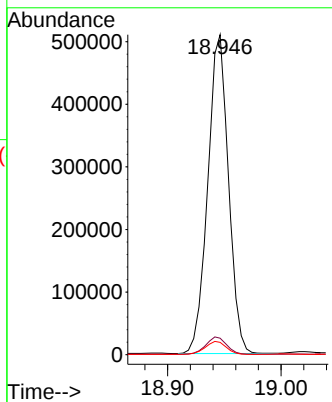
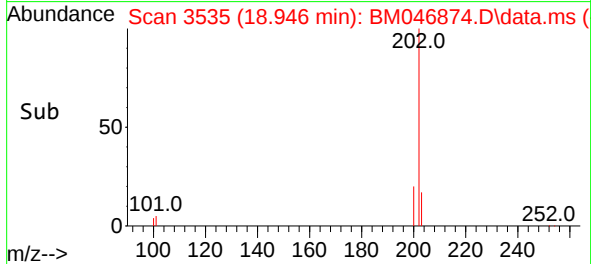
Instrument :
BNA_M
ClientSampleId :
A4CK5



Tgt Ion:202 Resp: 644218
Ion Ratio Lower Upper
202 100
101 5.1 4.7 7.1
100 3.8 3.4 5.2

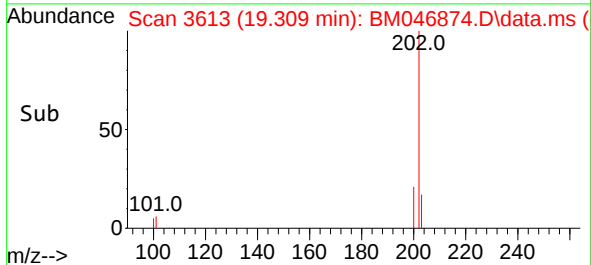
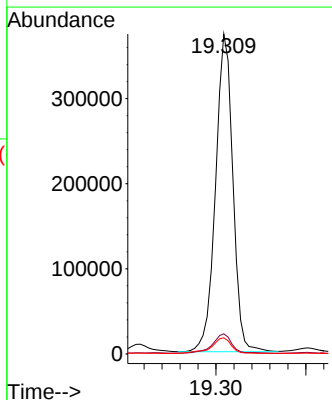
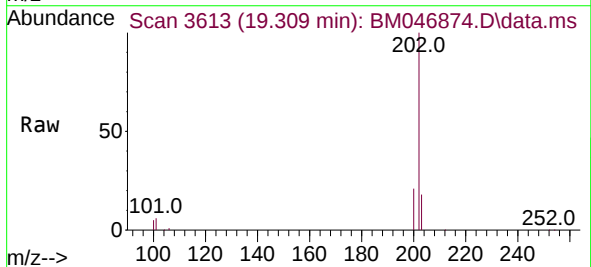
Manual Integrations
APPROVED

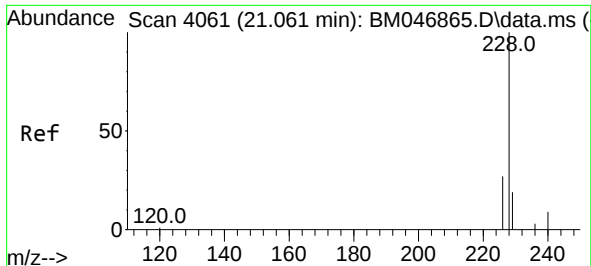
Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024



#20
Pyrene
Concen: 15.209 ng/u1
RT: 19.309 min Scan# 3613
Delta R.T. 0.005 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

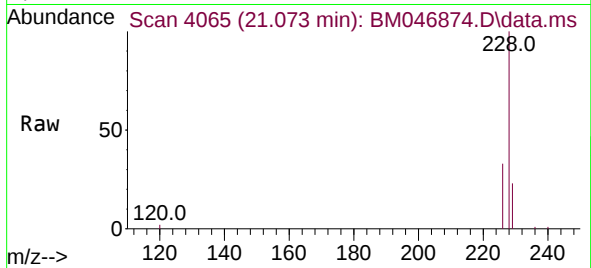
Tgt Ion:202 Resp: 497763
Ion Ratio Lower Upper
202 100
101 6.3 5.2 7.8
100 5.0 4.3 6.5





#21
Benzo(a)anthracene
Concen: 10.235 ng/ul
RT: 21.073 min Scan# 4065
Delta R.T. 0.009 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

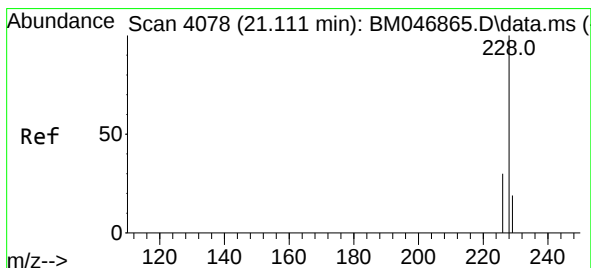
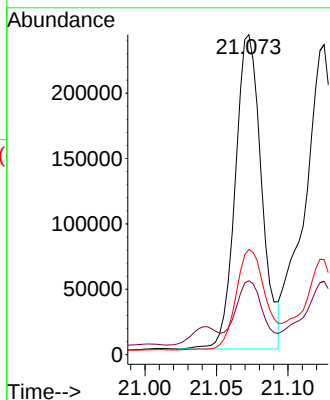
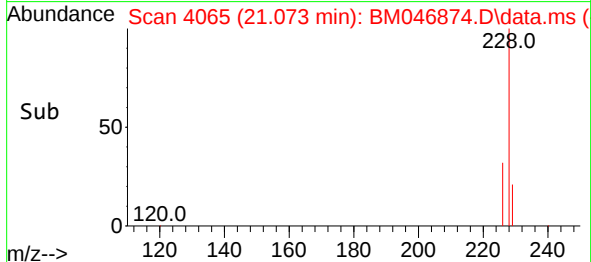
Instrument :
BNA_M
ClientSampleId :
A4CK5



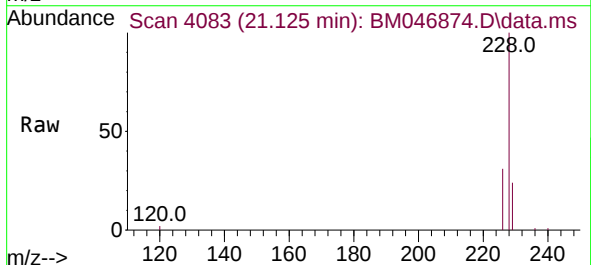
Tgt Ion:228 Resp: 307268
Ion Ratio Lower Upper
228 100
229 23.1 16.3 24.5
226 32.9 22.3 33.5

Manual Integrations
APPROVED

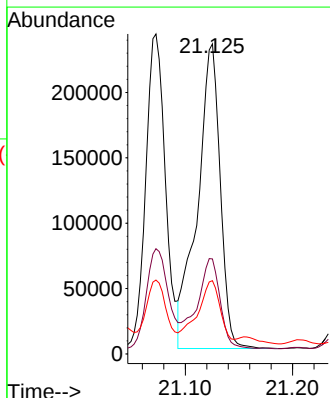
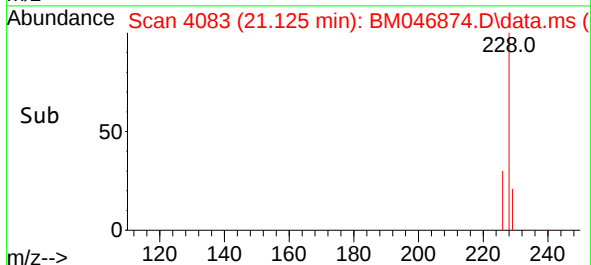
Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024

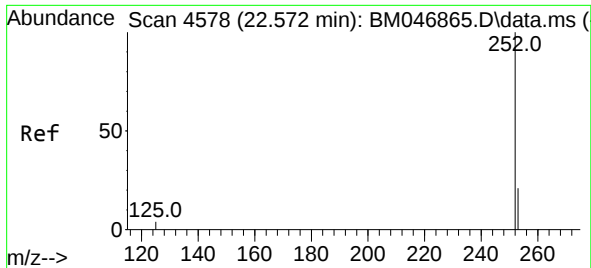


#22
Chrysene
Concen: 11.286 ng/ul
RT: 21.125 min Scan# 4083
Delta R.T. 0.009 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55



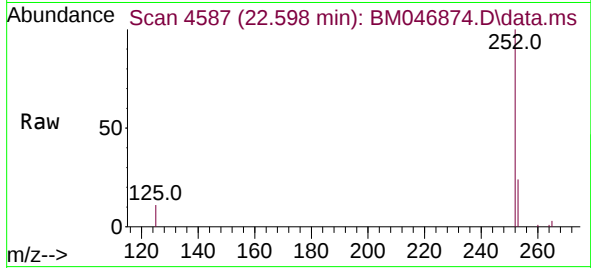
Tgt Ion:228 Resp: 344164
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 23.6 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 13.438 ng/ul m
RT: 22.598 min Scan# 4587
Delta R.T. 0.017 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55

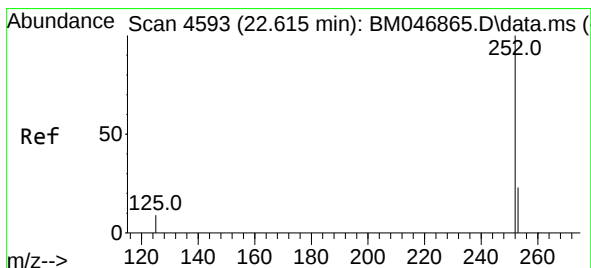
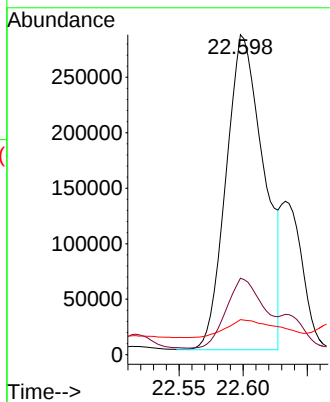
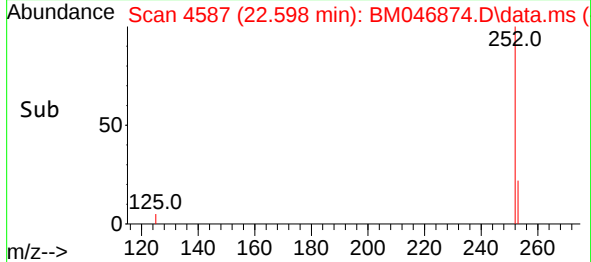
Instrument :
BNA_M
ClientSampleId :
A4CK5



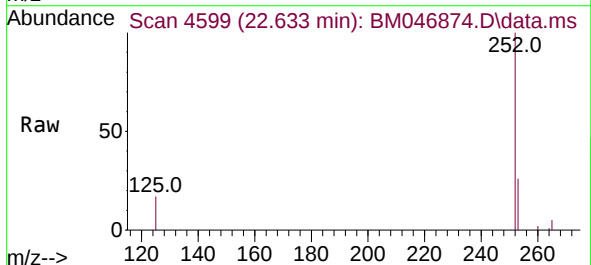
Tgt Ion:252 Resp: 58323
Ion Ratio Lower Upper
252 100
253 23.9 0.0 56.4
125 10.9 0.0 15.8

Manual Integrations
APPROVED

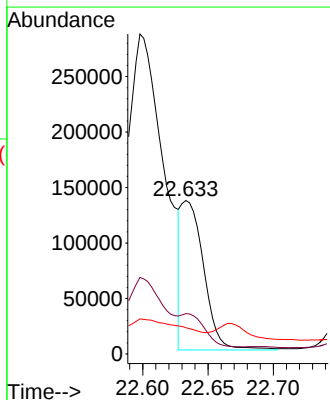
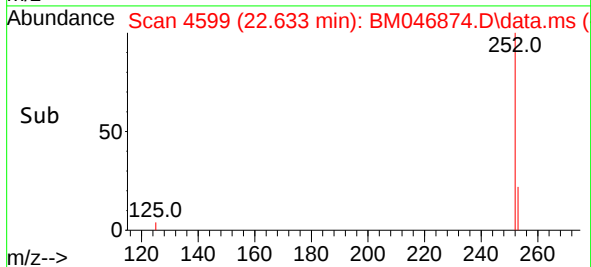
Reviewed By :Yogesh Patel 07/29/2024
Supervised By :mohammad ahmed 08/05/2024

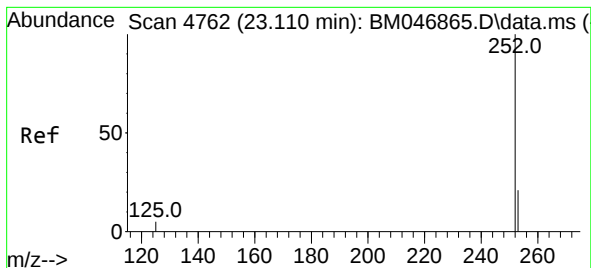


#25
Benzo(k)fluoranthene
Concen: 3.731 ng/ul m
RT: 22.633 min Scan# 4599
Delta R.T. 0.012 min
Lab File: BM046874.D
Acq: 27 Jul 2024 18:55



Tgt Ion:252 Resp: 163196
Ion Ratio Lower Upper
252 100
253 26.2 23.5 35.3
125 17.1 8.6 13.0#





#26

Benzo(a)pyrene

Concen: 5.756 ng/ul

RT: 23.139 min Scan# 41

Delta R.T. 0.020 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Instrument :

BNM_M

ClientSampleId :

A4CK5

Tgt Ion:252 Resp: 17936

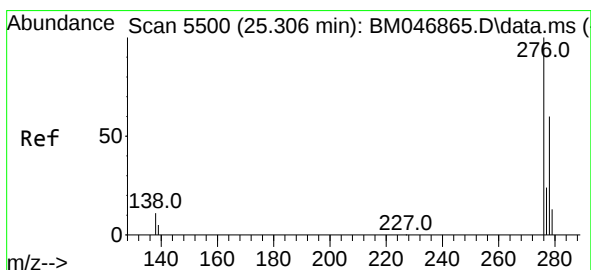
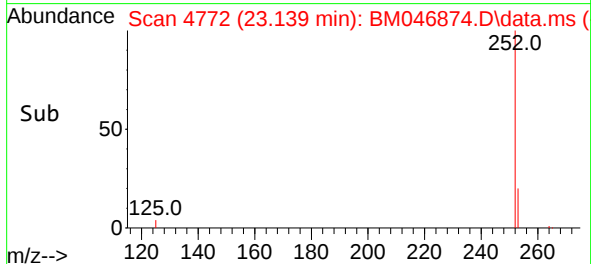
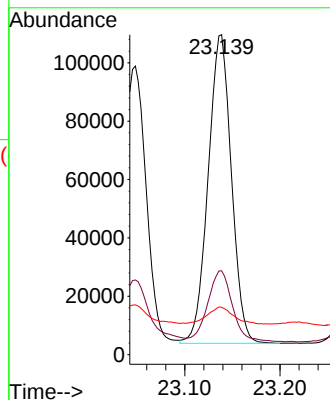
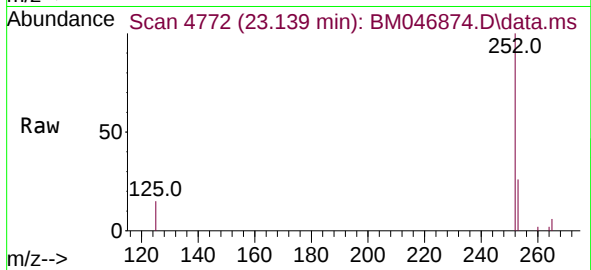
Ion	Ratio	Lower	Upper
252	100		
253	26.2	26.0	39.0
125	14.8	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.297 ng/ul

RT: 25.349 min Scan# 5513

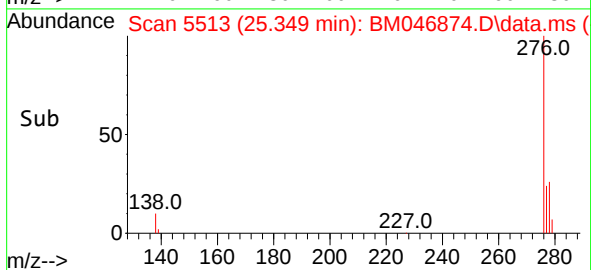
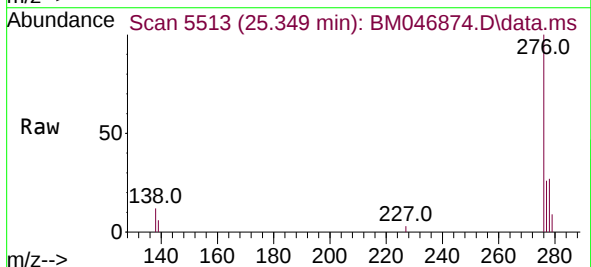
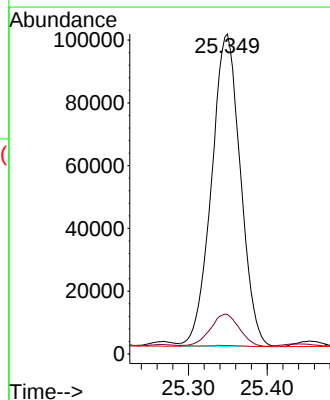
Delta R.T. 0.033 min

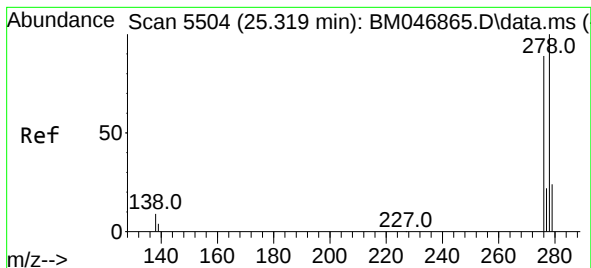
Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Tgt Ion:276 Resp: 254010

Ion	Ratio	Lower	Upper
276	100		
138	10.4	9.7	14.5
227	0.4	0.2	0.2





#28

Dibenzo(a,h)anthracene

Concen: 2.222 ng/ul

RT: 25.349 min Scan# 5

Delta R.T. 0.017 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Instrument :

BNA_M

ClientSampleId :

A4CK5

Tgt Ion:278 Resp: 78018

Ion Ratio Lower Upper

278 100

139 20.7 9.8 14.8

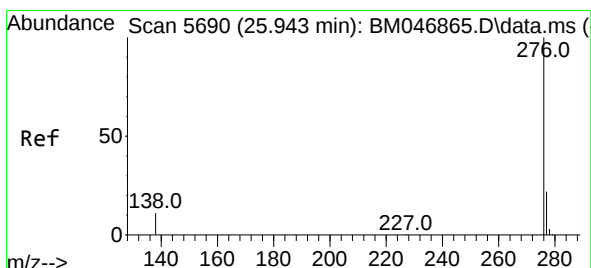
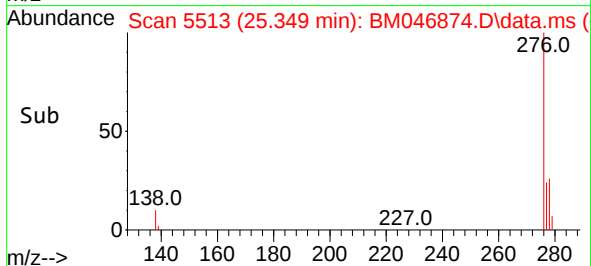
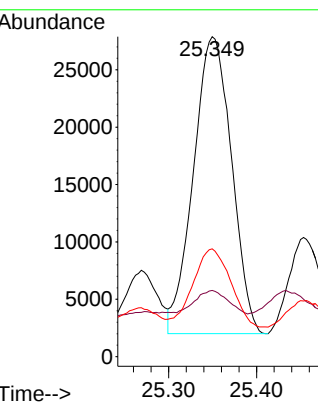
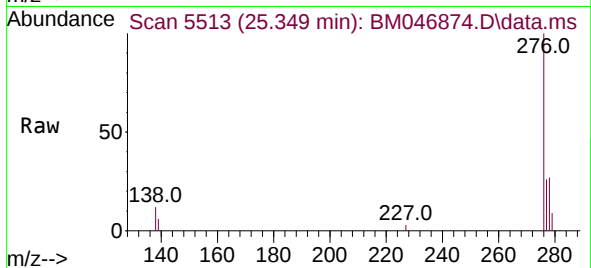
279 33.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#29

Benzo(g,h,i)perylene

Concen: 0.937 ng/ul

RT: 25.993 min Scan# 5705

Delta R.T. 0.040 min

Lab File: BM046874.D

Acq: 27 Jul 2024 18:55

Tgt Ion:276 Resp: 39567

Ion Ratio Lower Upper

276 100

138 21.9 9.5 14.3#

277 33.2 20.9 31.3#

