

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046826.D
 Acq On : 26 Jul 2024 12:17
 Operator : MA/JU
 Sample : P3264-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CL5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 26 13:13:55 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	7.468	152	3928	0.400	ng/ul	0.00
4) Naphthalene-d8	10.227	136	11191	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.118	164	6677	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.871	188	16569	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.082	240	7995	0.400	ng/ul	# 0.00
23) Perylene-d12	23.215	264	8382	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	7039	2.559	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.827	152	3391	0.191	ng/ul	0.00
18) Fluoranthene-d10	18.914	212	5684	0.218	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.277	128	8811	0.311	ng/ul	100
7) 2-Methylnaphthalene	11.904	142	5229	0.268	ng/ul	100
8) 1-Methylnaphthalene	12.124	142	5717	0.284	ng/ul	99
10) Acenaphthylene	13.831	152	14618	0.478	ng/ul	98
11) Acenaphthene	14.178	153	16483	0.794	ng/ul	100
12) Fluorene	15.173	166	30930	1.192	ng/ul	100
14) Pentachlorophenol	16.533	266	388	0.052	ng/ul	98
15) Phenanthrene	16.913	178	327380	6.874	ng/ul	97
16) Anthracene	17.002	178	59062	1.332	ng/ul	99
19) Fluoranthene	18.942	202	373830	10.647	ng/ul	100
20) Pyrene	19.309	202	334208	9.201	ng/ul	99
21) Benzo(a)anthracene	21.067	228	155753	4.675	ng/ul	98
22) Chrysene	21.120	228	159222	4.705	ng/ul	98
24) Benzo(b)fluoranthene	22.583	252	191692m	5.209	ng/ul	
25) Benzo(k)fluoranthene	22.621	252	72078m	1.944	ng/ul	
26) Benzo(a)pyrene	23.121	252	133337	5.047	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.316	276	97724	2.403	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.329	278	24101	0.810	ng/ul#	97
29) Benzo(g,h,i)perylene	25.960	276	103703	2.896	ng/ul	98

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

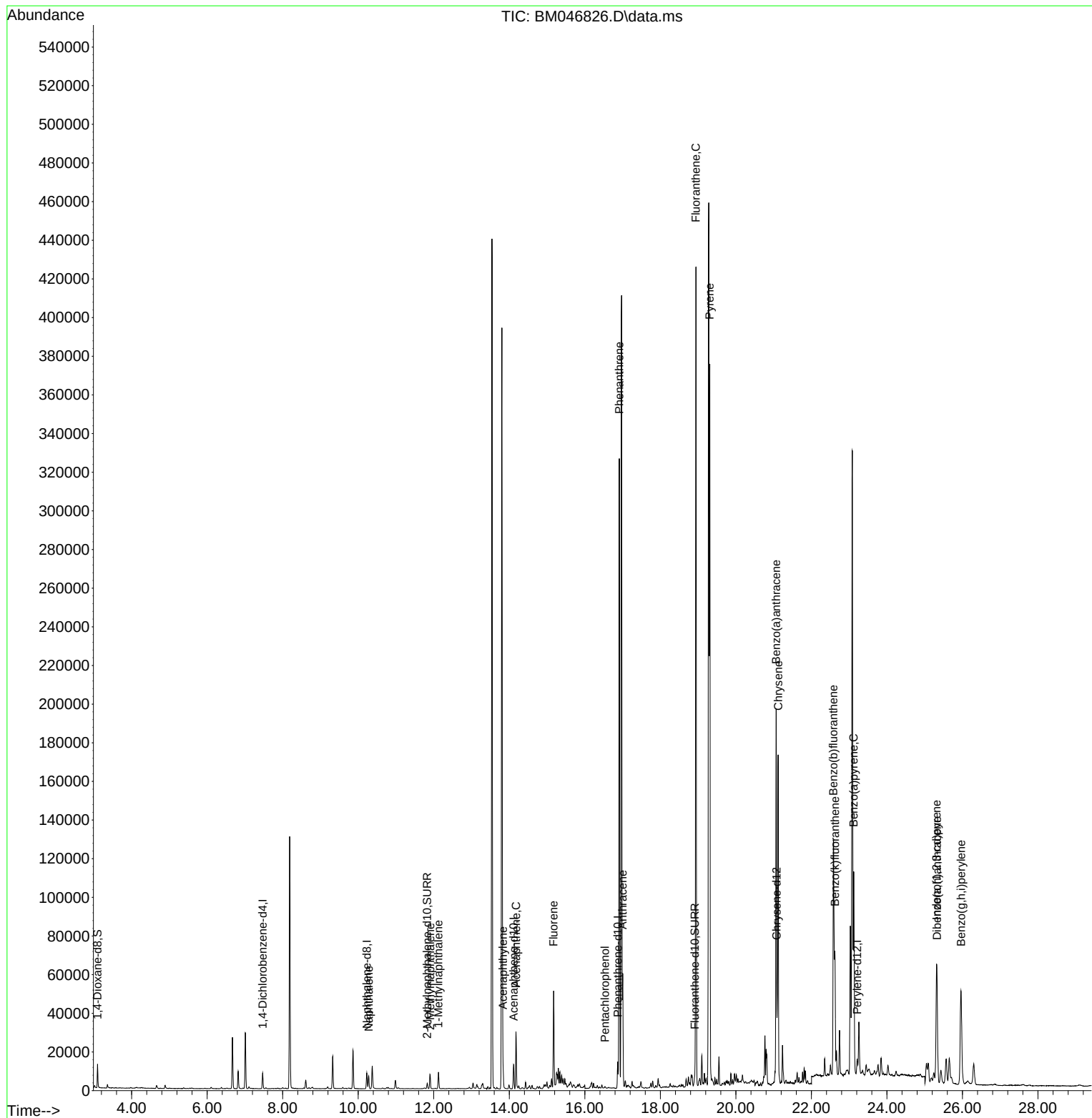
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
Data File : BM046826.D
Acq On : 26 Jul 2024 12:17
Operator : MA/JU
Sample : P3264-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

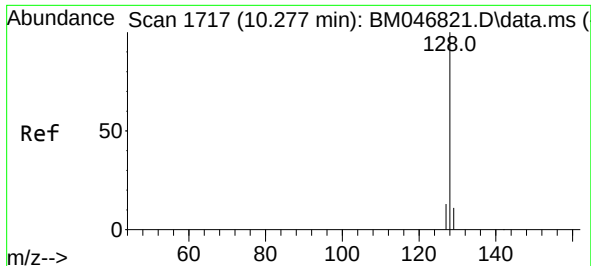
Instrument :
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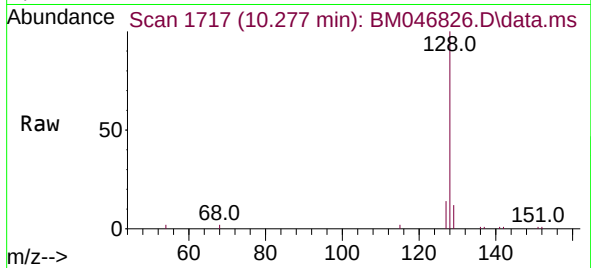
Quant Time: Jul 26 13:13:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 24 15:10:37 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.311 ng/ul
RT: 10.277 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

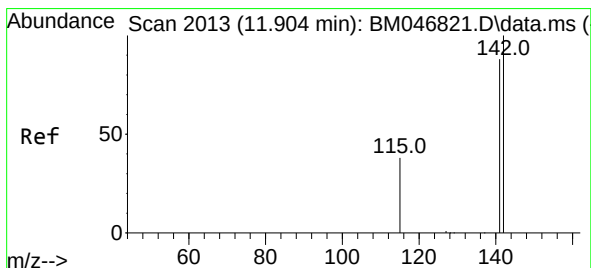
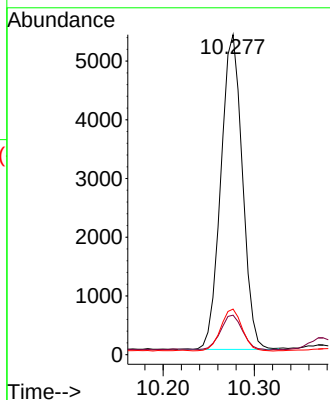
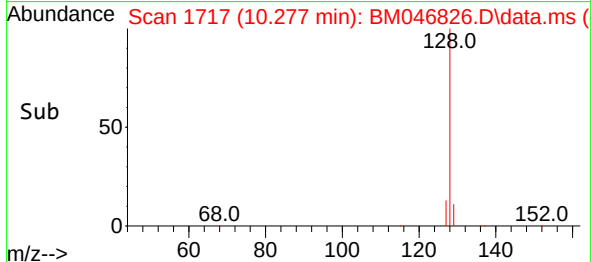
Instrument :
BNA_M
ClientSampleId :
A4CL5



Tgt Ion:128 Resp: 881
Ion Ratio Lower Upper
128 100
129 12.4 10.1 15.1
127 14.3 11.5 17.3

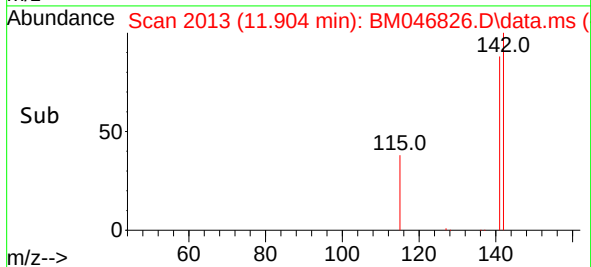
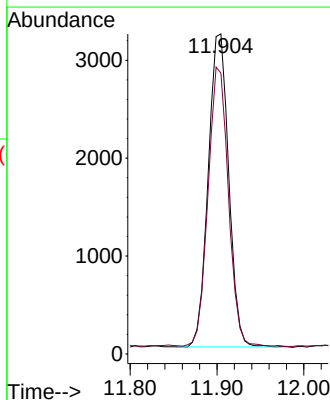
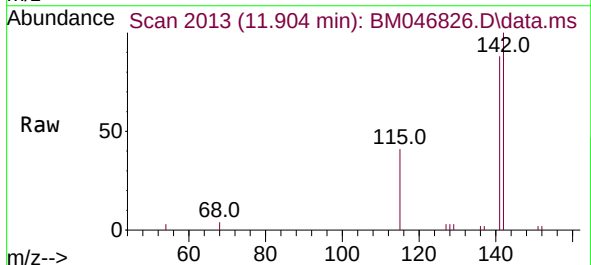
Manual Integrations
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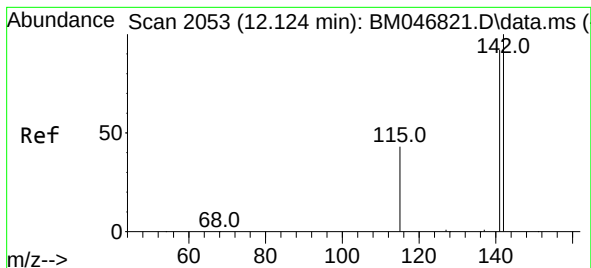
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#7
2-Methylnaphthalene
Concen: 0.268 ng/ul
RT: 11.904 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

Tgt Ion:142 Resp: 5229
Ion Ratio Lower Upper
142 100
141 88.4 70.5 105.7





#8

1-Methylnaphthalene

Concen: 0.284 ng/ul

RT: 12.124 min Scan# 2053

Delta R.T. -0.005 min

Lab File: BM046826.D

Acq: 26 Jul 2024 12:17

Instrument :

BNA_M

ClientSampleId :

A4CL5

Tgt Ion:142 Resp: 571

Ion Ratio Lower Upper

142 100

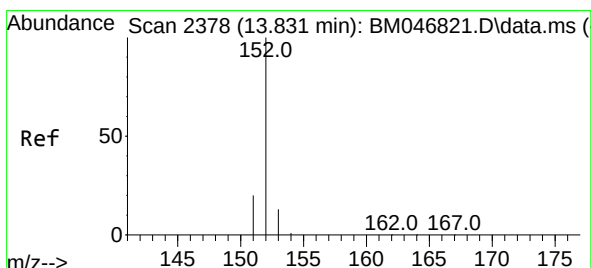
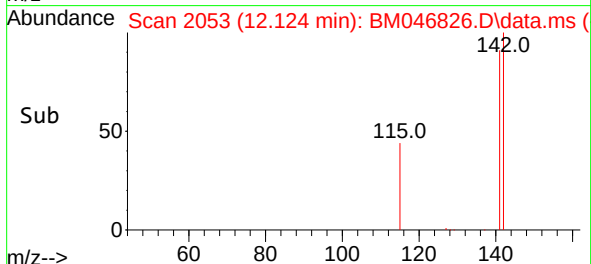
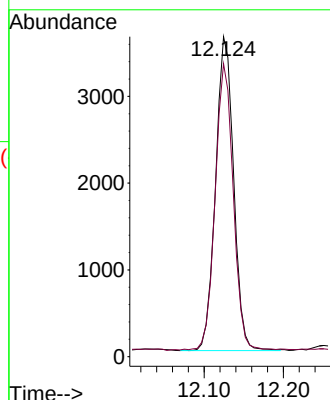
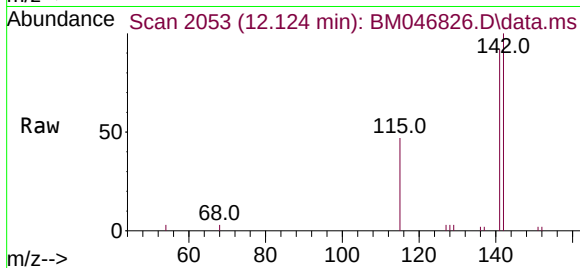
141 92.3 73.1 109.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2024

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#10

Acenaphthylene

Concen: 0.478 ng/ul

RT: 13.831 min Scan# 2378

Delta R.T. 0.000 min

Lab File: BM046826.D

Acq: 26 Jul 2024 12:17

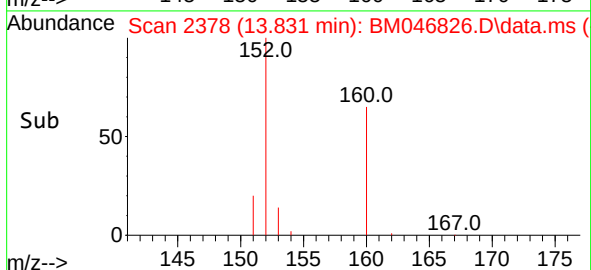
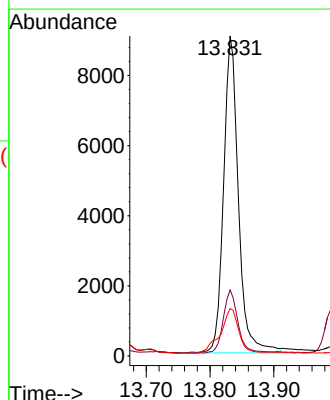
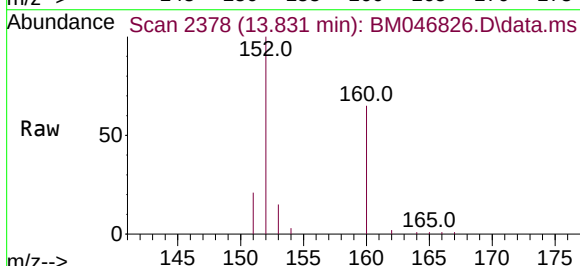
Tgt Ion:152 Resp: 14618

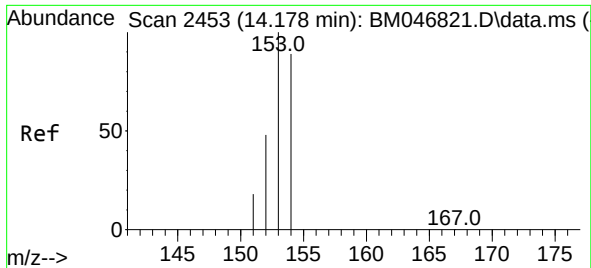
Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

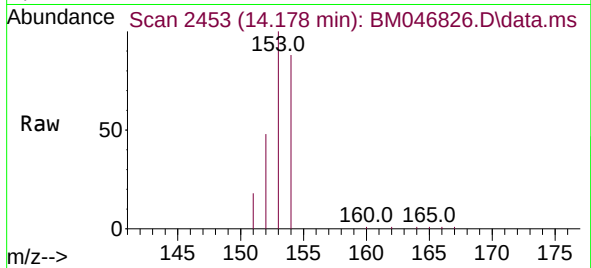
153 14.8 11.0 16.6





#11
Acenaphthene
Concen: 0.794 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.005 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

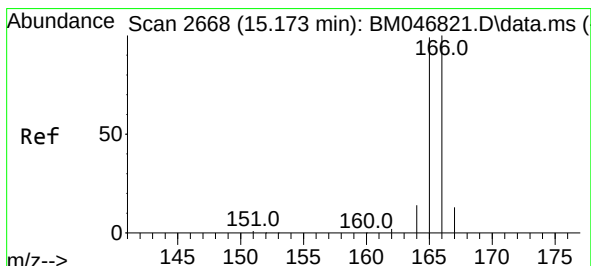
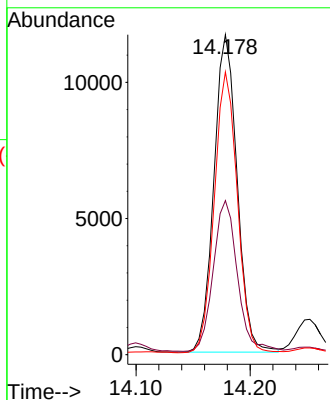
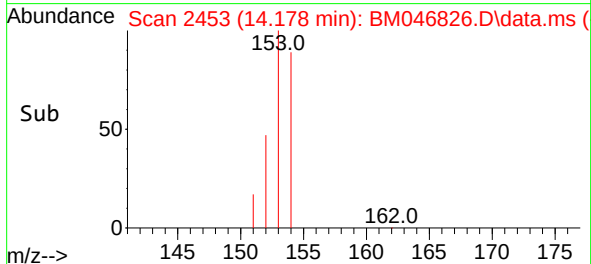
Instrument :
BNA_M
ClientSampleId :
A4CL5



Tgt Ion:153 Resp: 1648
Ion Ratio Lower Upper
153 100
152 48.1 38.6 57.8
154 88.3 70.8 106.2

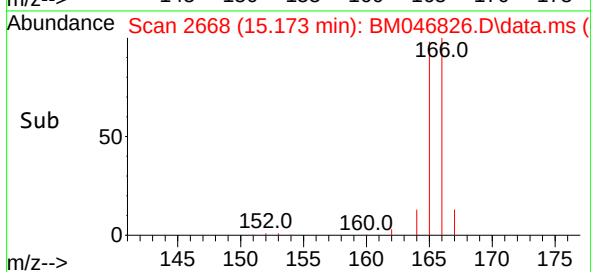
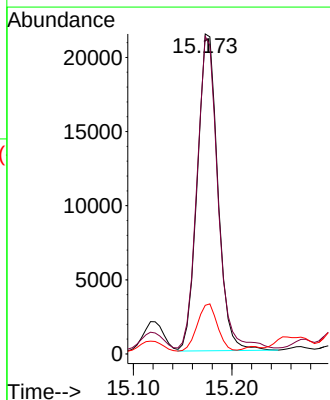
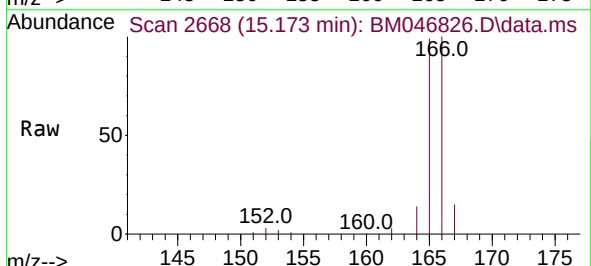
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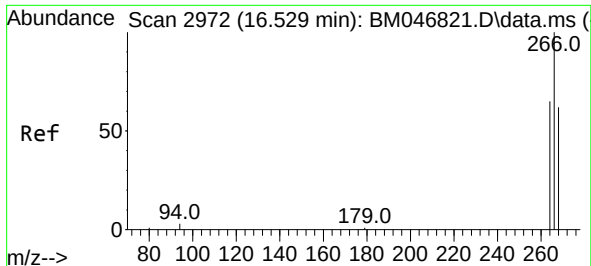
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#12
Fluorene
Concen: 1.192 ng/ul
RT: 15.173 min Scan# 2668
Delta R.T. -0.005 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

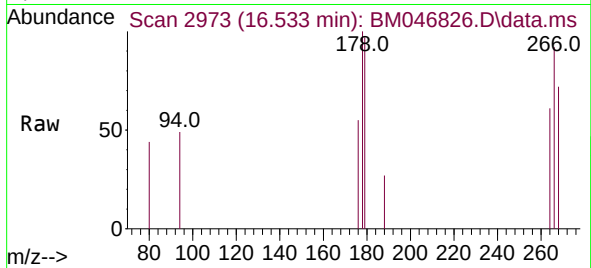
Tgt Ion:166 Resp: 30930
Ion Ratio Lower Upper
166 100
165 99.3 79.8 119.6
167 15.2 12.3 18.5





#14
Pentachlorophenol
Concen: 0.052 ng/uI
RT: 16.533 min Scan# 2973
Delta R.T. 0.000 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

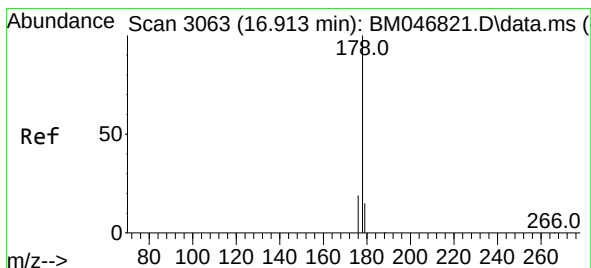
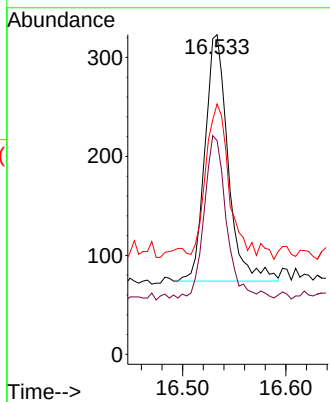
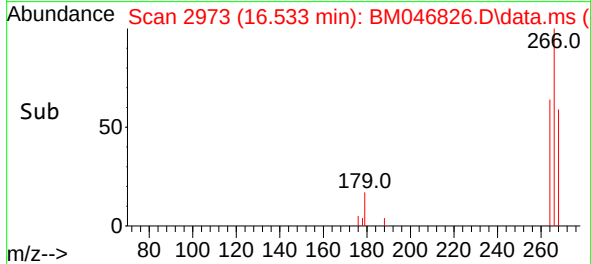
Instrument :
BNA_M
ClientSampleId :
A4CL5



Tgt Ion:266 Resp: 388
Ion Ratio Lower Upper
266 100
264 62.9 51.1 76.7
268 62.1 51.8 77.6

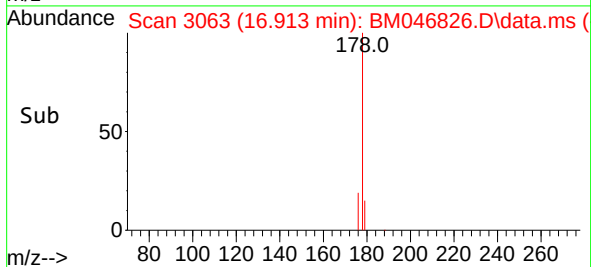
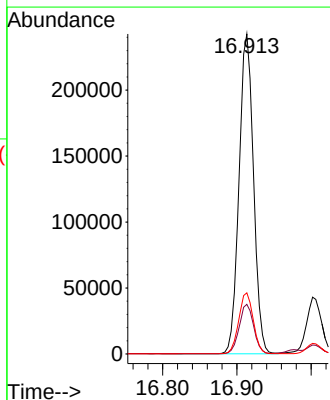
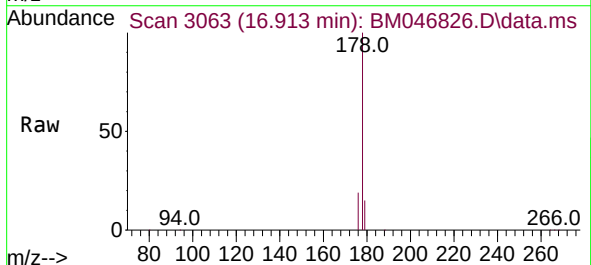
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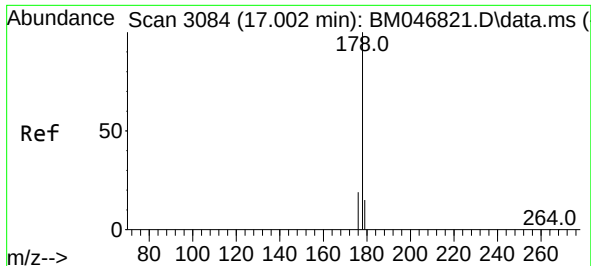
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#15
Phenanthrene
Concen: 6.874 ng/uI
RT: 16.913 min Scan# 3063
Delta R.T. 0.000 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

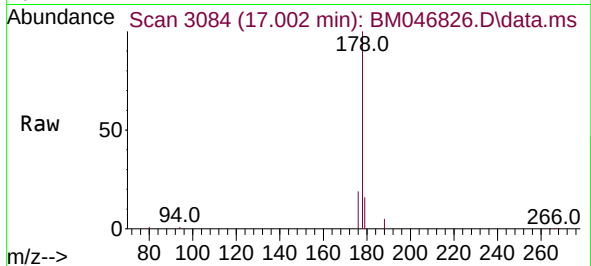
Tgt Ion:178 Resp: 327380
Ion Ratio Lower Upper
178 100
179 15.5 13.4 20.2
176 19.1 16.1 24.1





#16
 Anthracene
 Concen: 1.332 ng/ul
 RT: 17.002 min Scan# 3084
 Delta R.T. -0.004 min
 Lab File: BM046826.D
 Acq: 26 Jul 2024 12:17

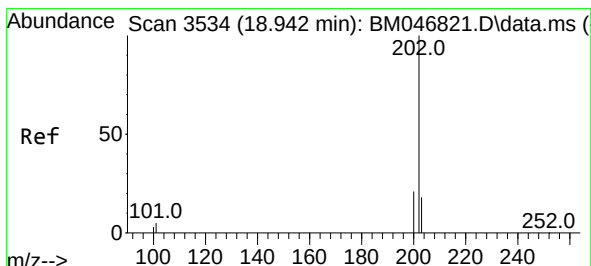
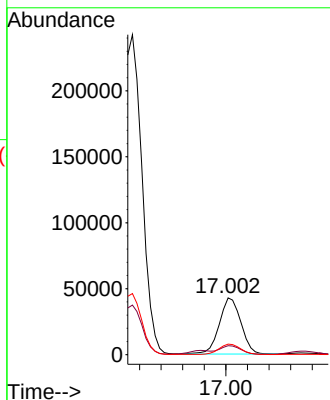
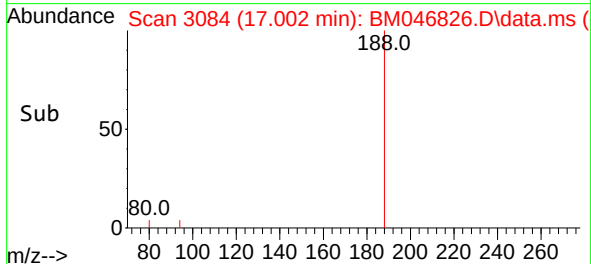
Instrument :
 BNA_M
 ClientSampleId :
 A4CL5



Tgt Ion:178 Resp: 59062
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.1 19.7
 176 18.7 15.0 22.6

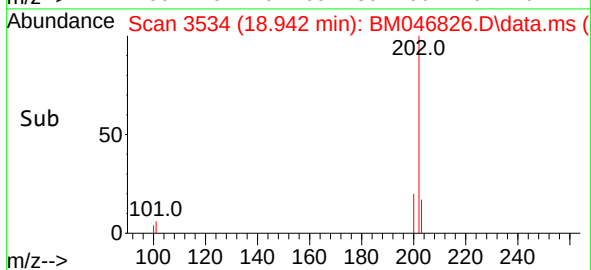
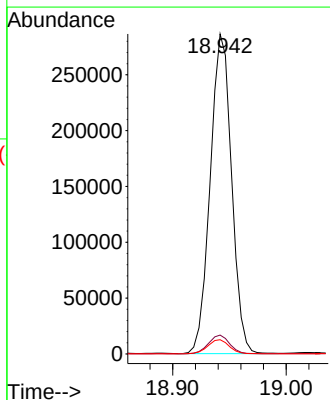
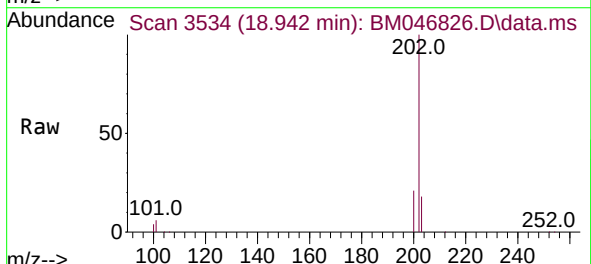
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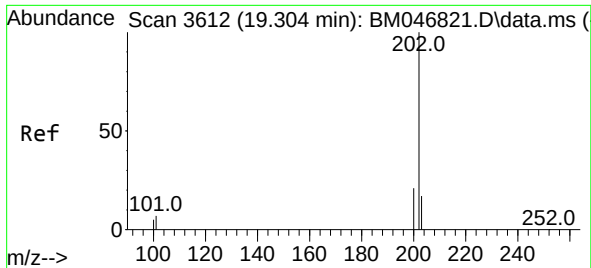
Reviewed By :Yogesh Patel 07/27/2024
 Supervised By :mohammad ahmed 08/05/2024



#19
 Fluoranthene
 Concen: 10.647 ng/ul
 RT: 18.942 min Scan# 3534
 Delta R.T. 0.000 min
 Lab File: BM046826.D
 Acq: 26 Jul 2024 12:17

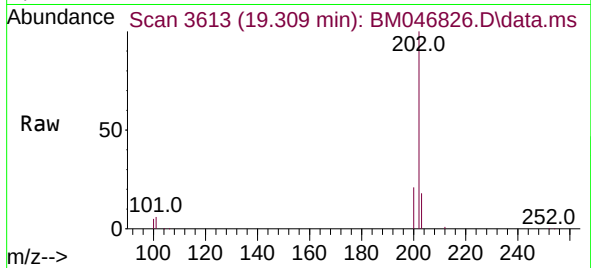
Tgt Ion:202 Resp: 373830
 Ion Ratio Lower Upper
 202 100
 101 5.9 4.7 7.1
 100 4.5 3.4 5.2





#20
Pyrene
Concen: 9.201 ng/u1
RT: 19.309 min Scan# 3613
Delta R.T. 0.005 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

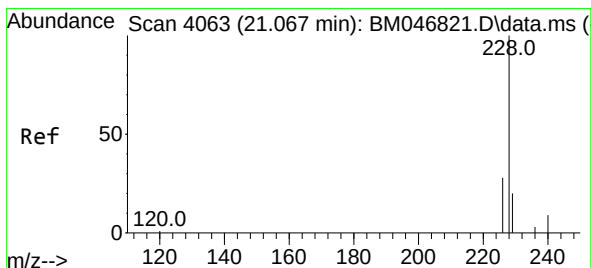
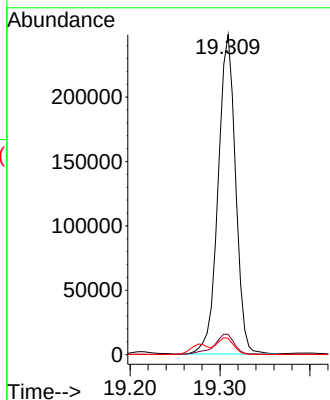
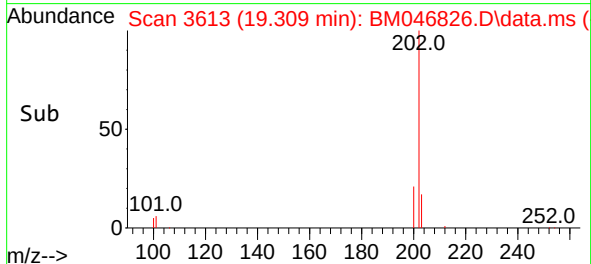
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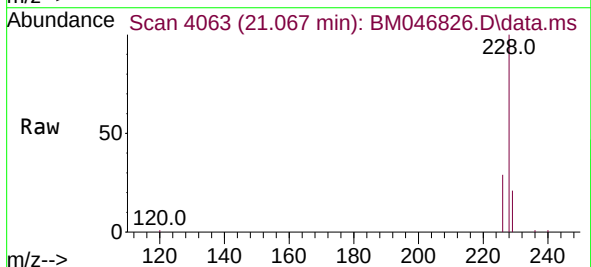
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Ion Ratio Lower Upper
202 100
101 6.3 5.2 7.8
100 5.1 4.3 6.5

Manual Integrations
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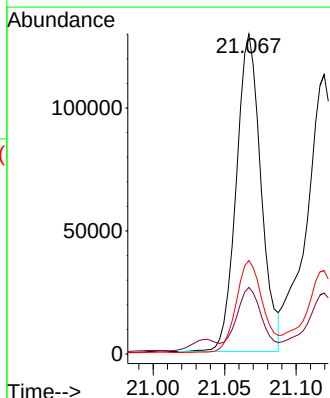
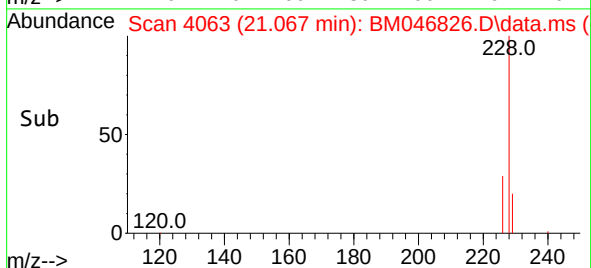
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024

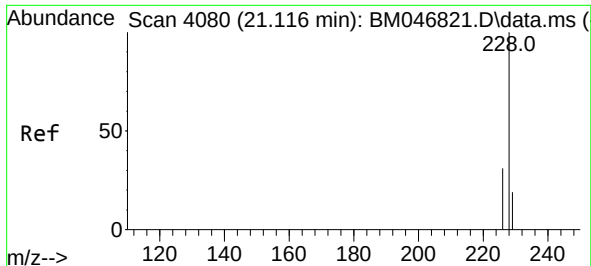


#21
Benzo(a)anthracene
Concen: 4.675 ng/u1
RT: 21.067 min Scan# 4063
Delta R.T. 0.003 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17



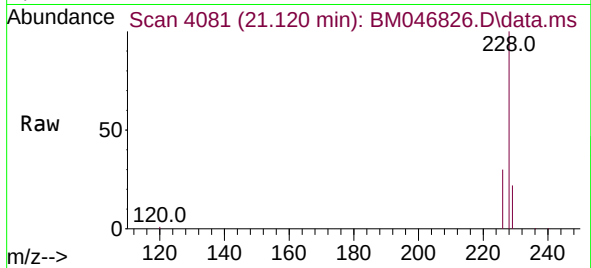
Tgt Ion:228 Resp: 155753
Ion Ratio Lower Upper
228 100
229 20.8 16.3 24.5
226 29.2 22.3 33.5





#22
Chrysene
Concen: 4.705 ng/ul
RT: 21.120 min Scan# 4081
Delta R.T. 0.003 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

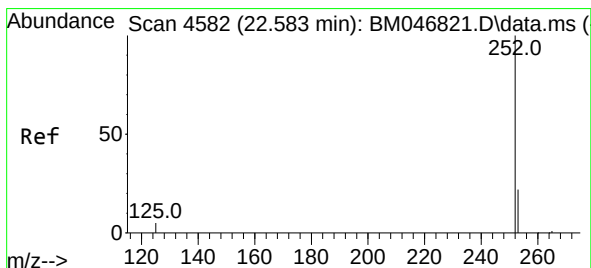
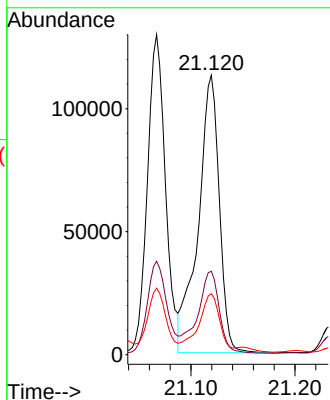
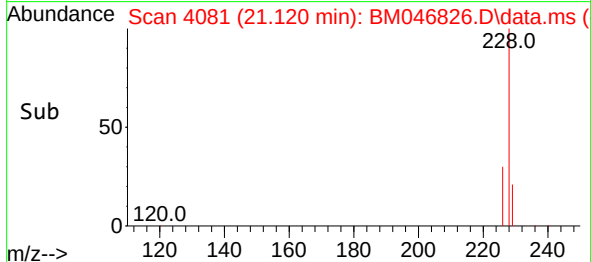
Instrument :
BNA_M
ClientSampleId :
A4CL5



Tgt Ion:228 Resp: 15922
Ion Ratio Lower Upper
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226 29.9 24.5 36.7
229 21.8 16.2 24.2

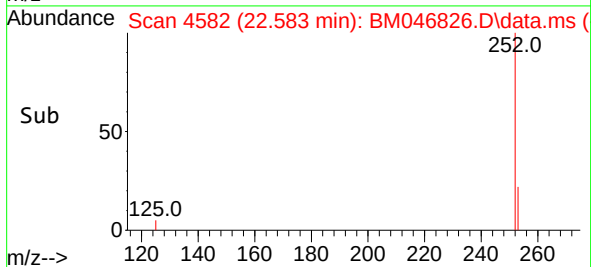
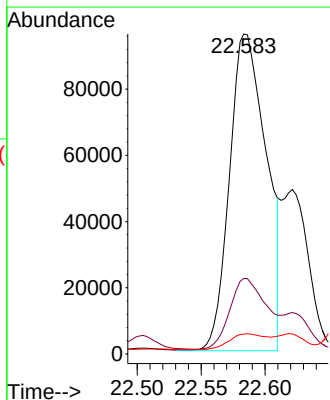
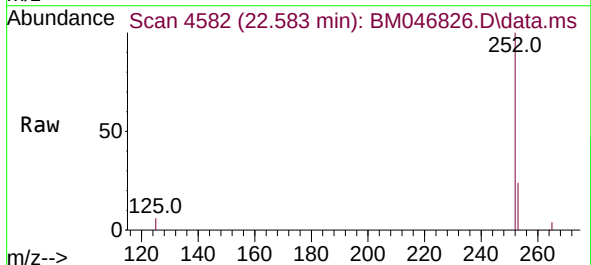
Manual Integrations
APPROVED

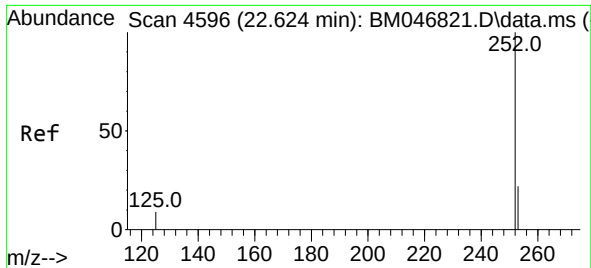
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#24
Benzo(b)fluoranthene
Concen: 5.209 ng/ul m
RT: 22.583 min Scan# 4582
Delta R.T. 0.003 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

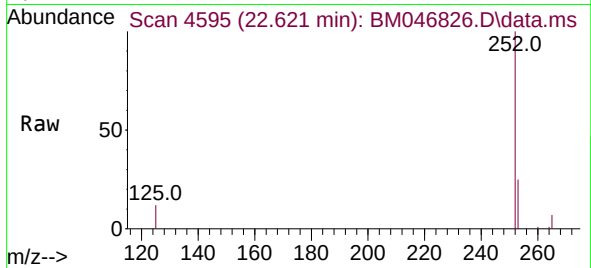
Tgt Ion:252 Resp: 191692
Ion Ratio Lower Upper
252 100
253 23.6 0.0 56.4
125 6.2 0.0 15.8





#25
Benzo(k)fluoranthene
Concen: 1.944 ng/ul m
RT: 22.621 min Scan# 4596
Delta R.T. 0.000 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

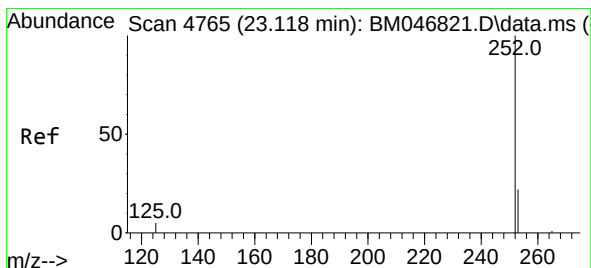
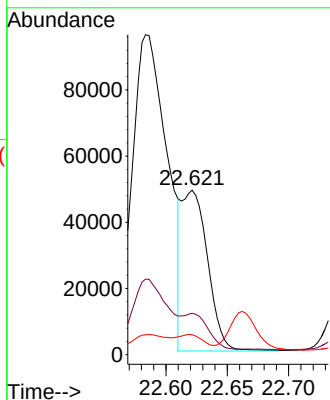
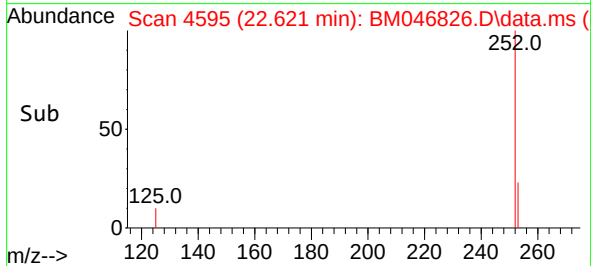
Instrument :
BNA_M
ClientSampleId :
A4CL5



Tgt Ion:252 Resp: 72078
Ion Ratio Lower Upper
252 100
253 25.2 23.5 35.3
125 12.2 8.6 13.0

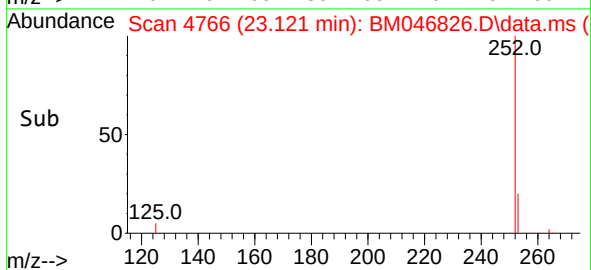
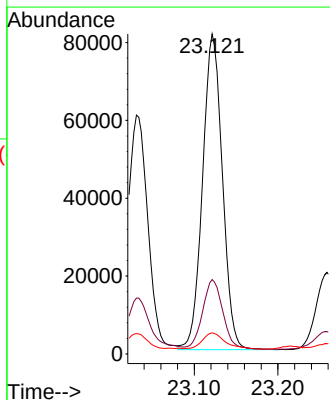
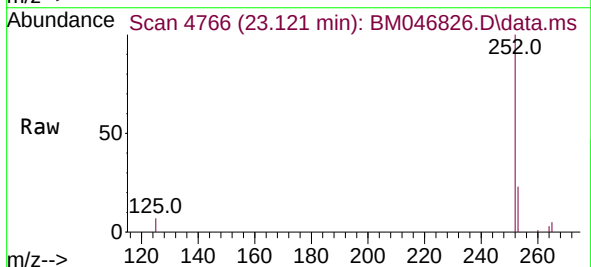
Manual Integrations
APPROVED

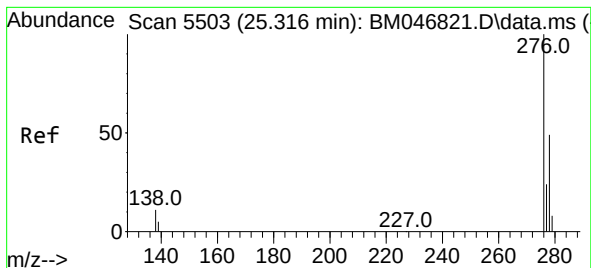
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#26
Benzo(a)pyrene
Concen: 5.047 ng/ul
RT: 23.121 min Scan# 4766
Delta R.T. 0.003 min
Lab File: BM046826.D
Acq: 26 Jul 2024 12:17

Tgt Ion:252 Resp: 133337
Ion Ratio Lower Upper
252 100
253 23.3 26.0 39.0#
125 6.6 7.8 11.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.403 ng/ul

RT: 25.316 min Scan# 5503

Delta R.T. 0.000 min

Lab File: BM046826.D

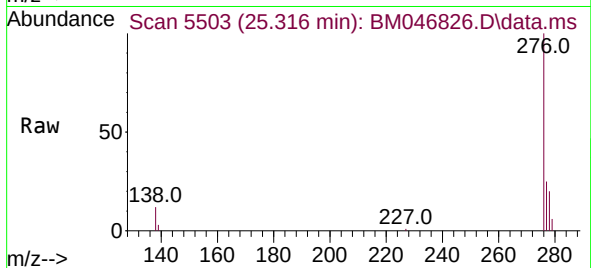
Acq: 26 Jul 2024 12:17

Instrument :

BNA_M

ClientSampleId :

A4CL5



Tgt Ion:276 Resp: 97724

Ion Ratio Lower Upper

276 100

138 11.3 9.7 14.5

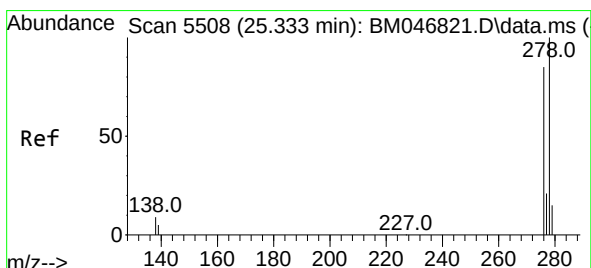
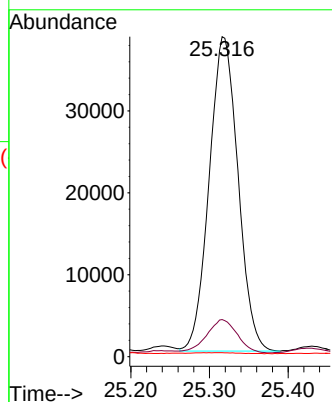
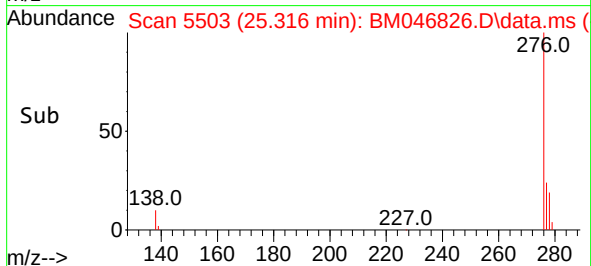
227 0.5 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2024

Supervised By :mohammad ahmed 08/05/2024



#28

Dibenzo(a,h)anthracene

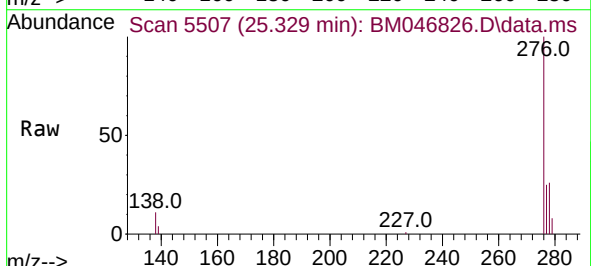
Concen: 0.810 ng/ul

RT: 25.329 min Scan# 5507

Delta R.T. -0.003 min

Lab File: BM046826.D

Acq: 26 Jul 2024 12:17



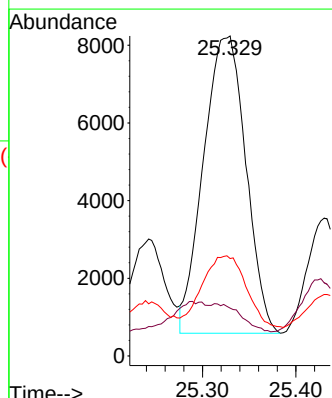
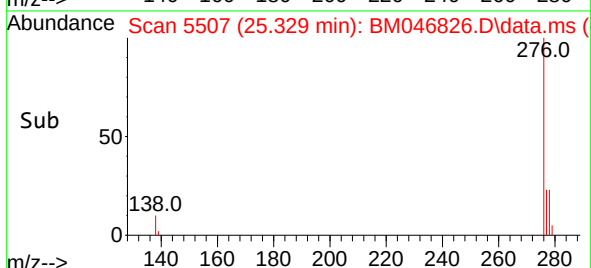
Tgt Ion:278 Resp: 24101

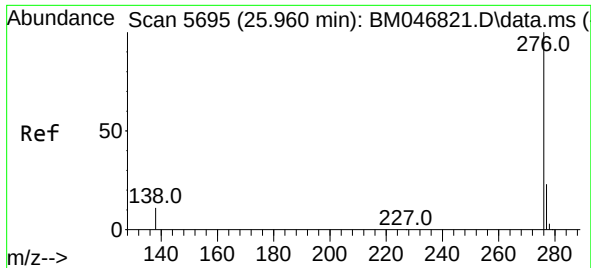
Ion Ratio Lower Upper

278 100

139 15.0 9.8 14.8

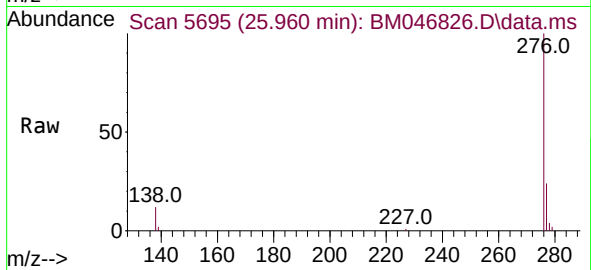
279 30.4 25.2 37.8





#29
 Benzo(g,h,i)perylene
 Concen: 2.896 ng/ul
 RT: 25.960 min Scan# 50
 Delta R.T. 0.007 min
 Lab File: BM046826.D
 Acq: 26 Jul 2024 12:17

Instrument :
 BNA_M
 ClientSampleId :
 A4CL5



Tgt Ion:276 Resp: 10370
 Ion Ratio Lower Upper
 276 100
 138 11.8 9.5 14.3
 277 24.4 20.9 31.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2024
 Supervised By :mohammad ahmed 08/05/2024

