

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046615.D
 Acq On : 16 Jul 2024 02:50
 Operator : MA/JU
 Sample : P3087-18DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BR3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 16 03:28:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.501	152	2721	0.400	ng/ul	0.00
4) Naphthalene-d8	10.260	136	6946	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.146	164	4691	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.896	188	10482	0.400	ng/ul	0.00
17) Chrysene-d12	21.102	240	9268	0.400	ng/ul	0.00
23) Perylene-d12	23.241	264	10857	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.118	96	1653	0.739	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.860	152	543	0.048	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	1253	0.044	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.310	128	1438	0.081	ng/ul	93
7) 2-Methylnaphthalene	11.937	142	516	0.042	ng/ul	99
8) 1-Methylnaphthalene	12.157	142	378	0.030	ng/ul	88
11) Acenaphthene	14.206	153	1632	0.114	ng/ul	99
12) Fluorene	15.201	166	1911	0.108	ng/ul	97
15) Phenanthrene	16.939	178	30747	1.028	ng/ul	99
16) Anthracene	17.027	178	4692	0.161	ng/ul	97
19) Fluoranthene	18.965	202	36138	0.949	ng/ul	98
20) Pyrene	19.327	202	30402	0.738	ng/ul	99
21) Benzo(a)anthracene	21.084	228	12312	0.300	ng/ul	98
22) Chrysene	21.137	228	12305	0.310	ng/ul	96
24) Benzo(b)fluoranthene	22.610	252	15252m	0.352	ng/ul	
25) Benzo(k)fluoranthene	22.645	252	5888m	0.138	ng/ul	
26) Benzo(a)pyrene	23.148	252	10205	0.286	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.356	276	7108	0.131	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.366	278	1696	0.039	ng/ul#	30
29) Benzo(g,h,i)perylene	25.997	276	6916	0.160	ng/ul#	96

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

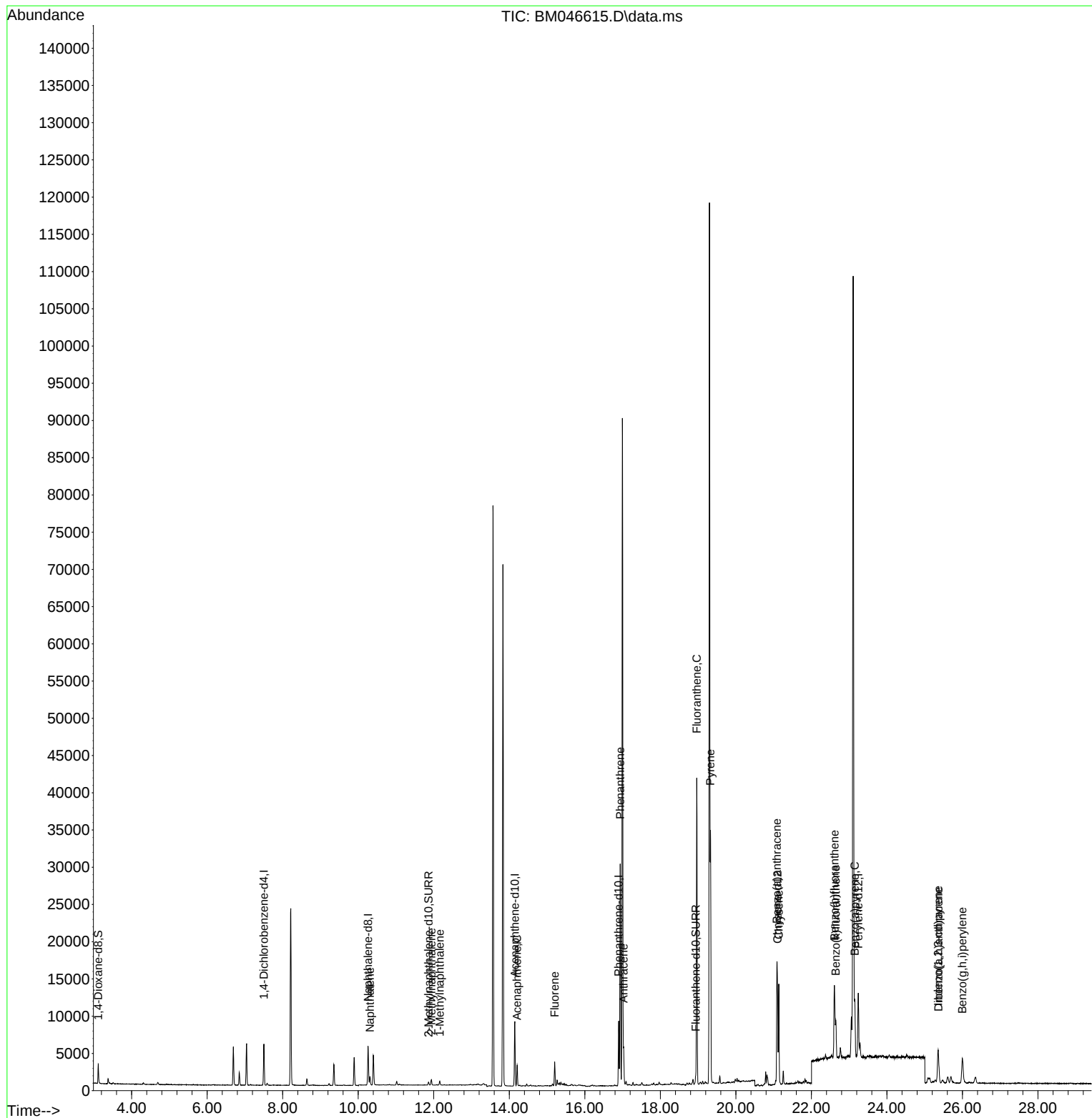
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
Data File : BM046615.D
Acq On : 16 Jul 2024 02:50
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ALS Vial : 25 Sample Multiplier: 1

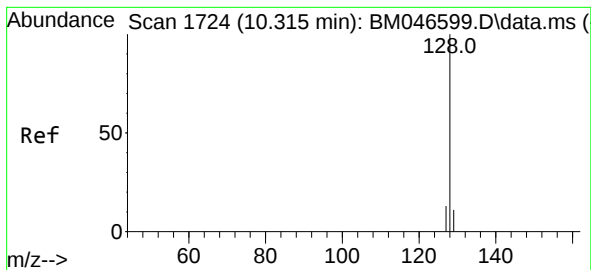
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Jul 16 03:28:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.081 ng/ul

RT: 10.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM046615.D

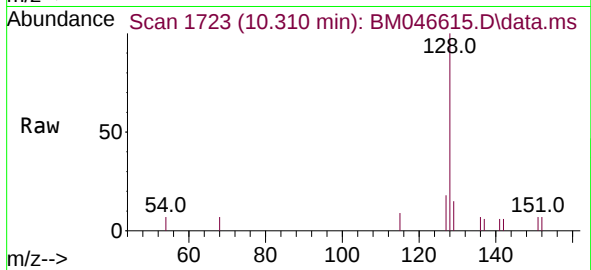
Acq: 16 Jul 2024 02:50

Instrument :

BNA_M

ClientSampleId :

A4BR3DL



Tgt Ion:128 Resp: 1438

Ion Ratio Lower Upper

128 100

129 15.5 10.3 15.5

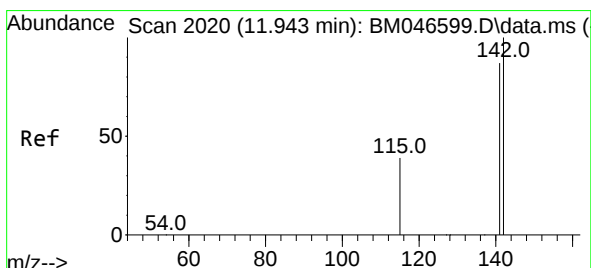
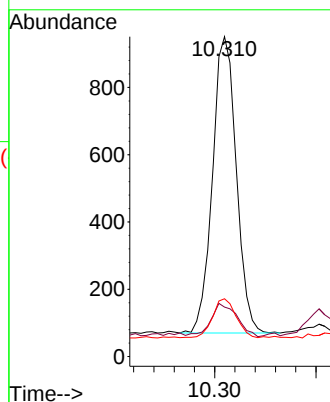
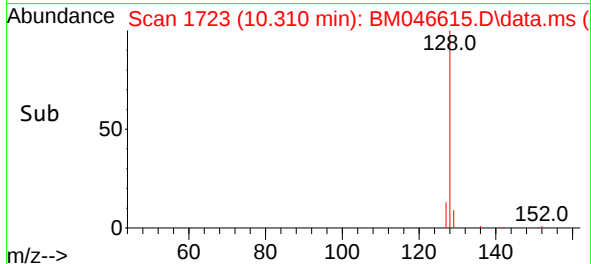
127 18.1 12.2 18.4

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.042 ng/ul

RT: 11.937 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BM046615.D

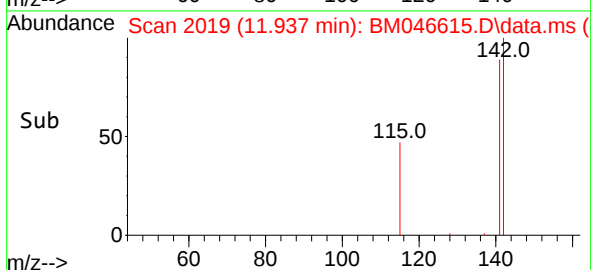
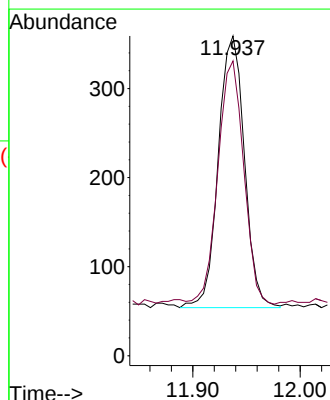
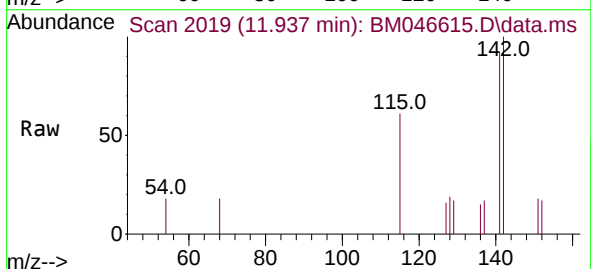
Acq: 16 Jul 2024 02:50

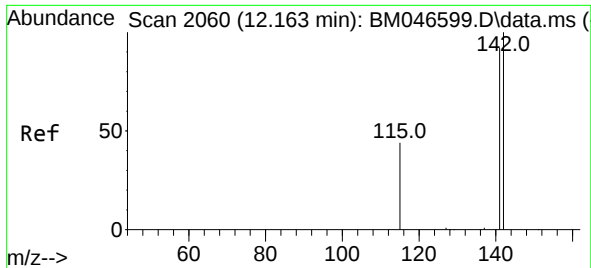
Tgt Ion:142 Resp: 516

Ion Ratio Lower Upper

142 100

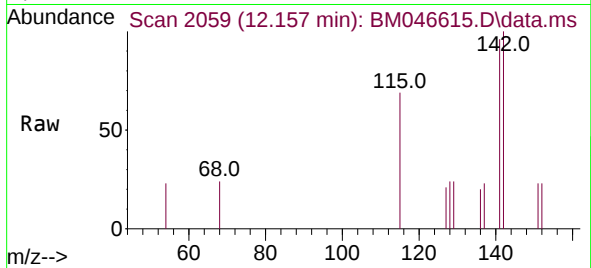
141 88.4 70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.157 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

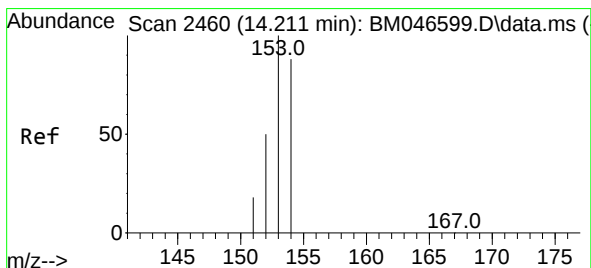
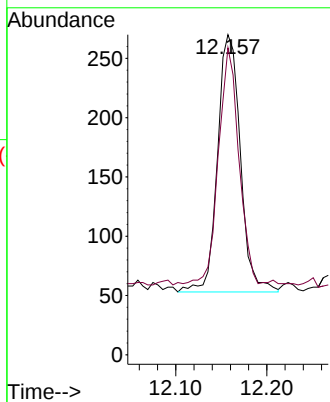
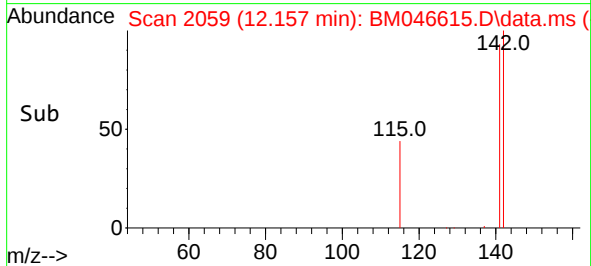
Instrument :
BNA_M
ClientSampleId :
A4BR3DL



Tgt Ion:142 Resp: 378
Ion Ratio Lower Upper
142 100
141 81.2 73.9 110.9

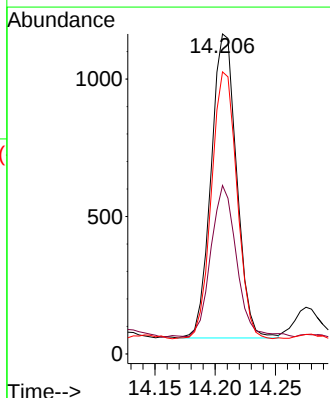
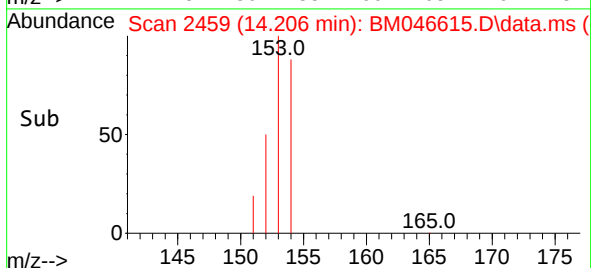
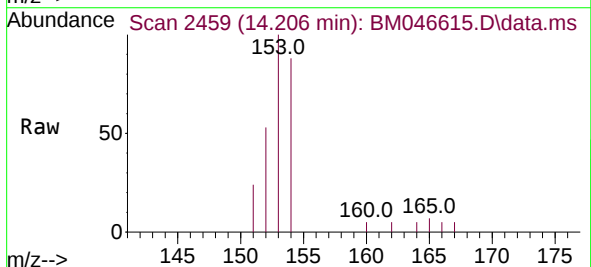
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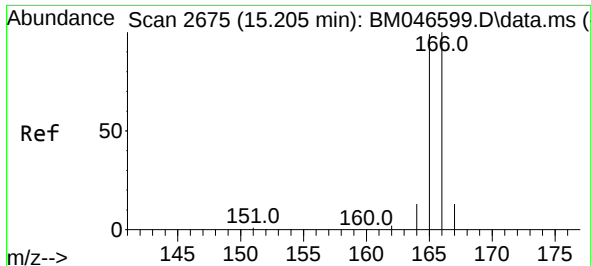
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/18/2024



#11
Acenaphthene
Concen: 0.114 ng/ul
RT: 14.206 min Scan# 2459
Delta R.T. -0.005 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

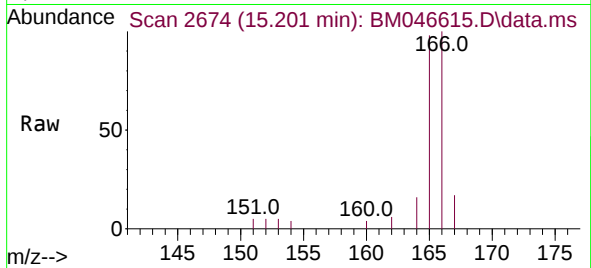
Tgt Ion:153 Resp: 1632
Ion Ratio Lower Upper
153 100
152 52.7 43.0 64.6
154 88.1 69.9 104.9





#12
Fluorene
Concen: 0.108 ng/uI
RT: 15.201 min Scan# 201
Delta R.T. -0.005 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

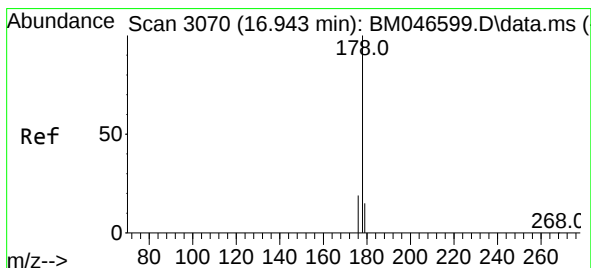
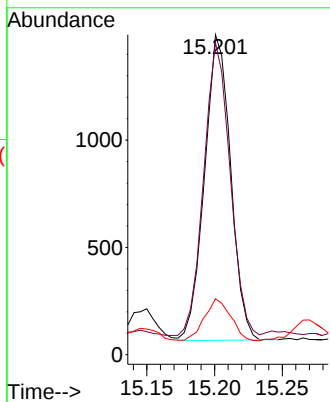
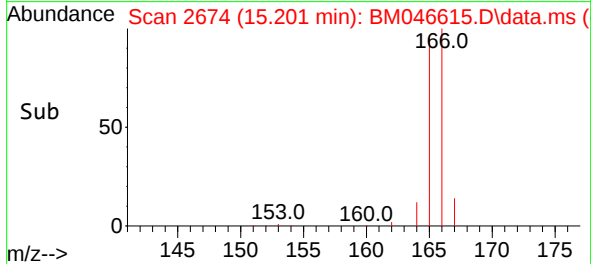
Instrument :
BNA_M
ClientSampleId :
A4BR3DL



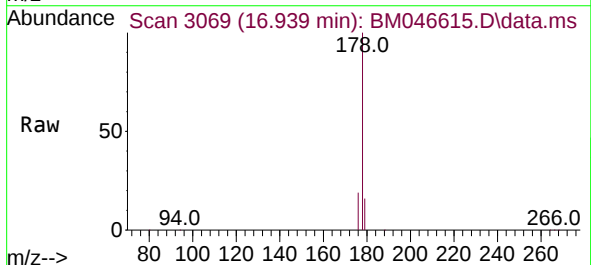
Tgt Ion:166 Resp: 191
Ion Ratio Lower Upper
166 100
165 97.5 76.1 114.1
167 17.5 12.5 18.7

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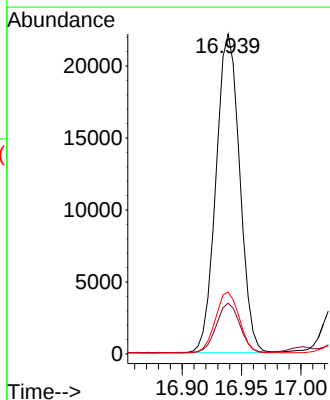
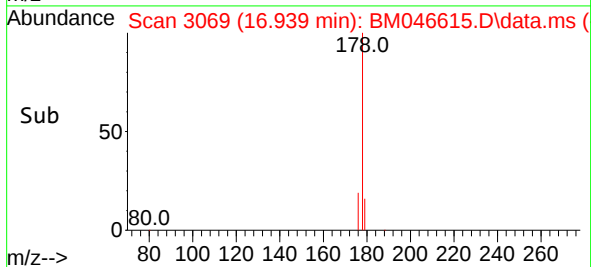
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/18/2024

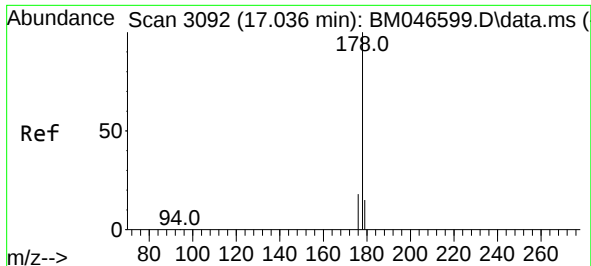


#15
Phenanthrene
Concen: 1.028 ng/uI
RT: 16.939 min Scan# 3069
Delta R.T. -0.005 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50



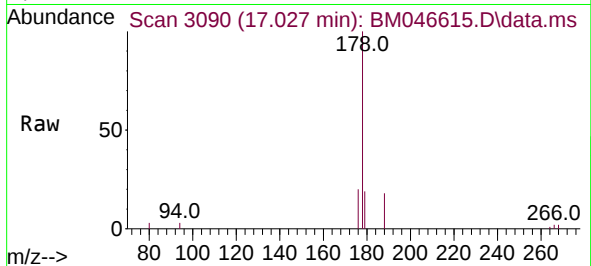
Tgt Ion:178 Resp: 30747
Ion Ratio Lower Upper
178 100
179 15.9 13.1 19.7
176 19.4 16.0 24.0





#16
 Anthracene
 Concen: 0.161 ng/ul
 RT: 17.027 min Scan# 3092
 Delta R.T. -0.005 min
 Lab File: BM046615.D
 Acq: 16 Jul 2024 02:50

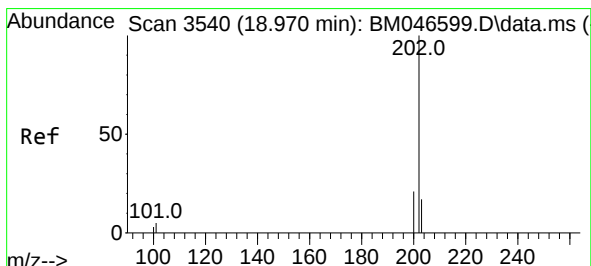
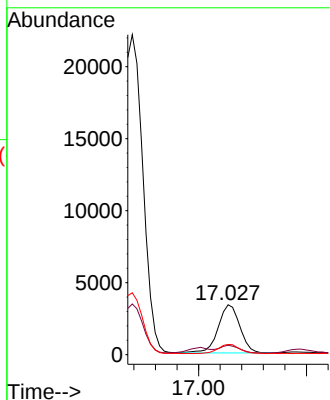
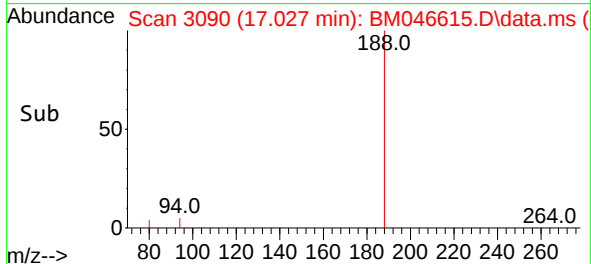
Instrument :
 BNA_M
 ClientSampleId :
 A4BR3DL



Tgt Ion:178 Resp: 4692
 Ion Ratio Lower Upper
 178 100
 179 18.8 13.5 20.3
 176 20.5 15.7 23.5

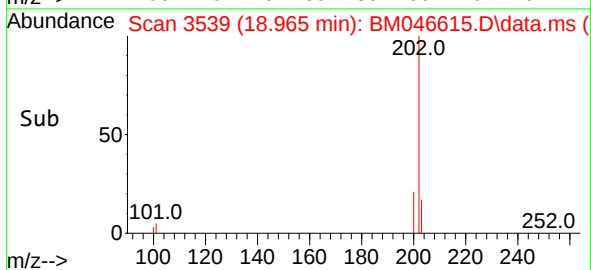
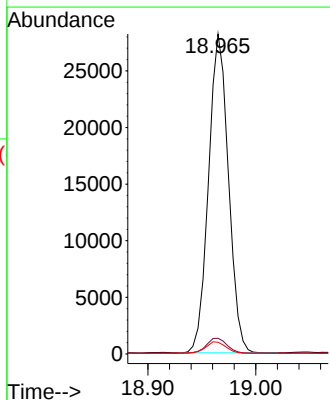
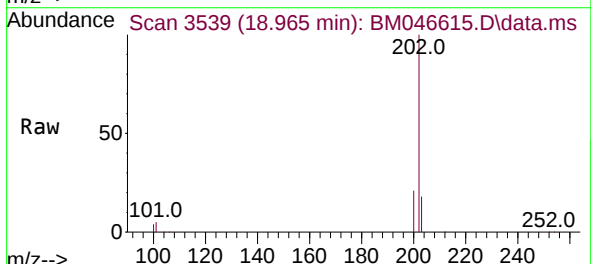
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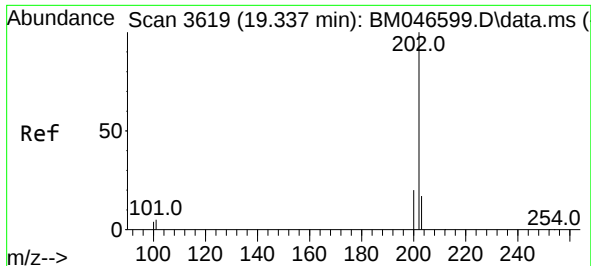
Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/18/2024



#19
 Fluoranthene
 Concen: 0.949 ng/ul
 RT: 18.965 min Scan# 3539
 Delta R.T. -0.005 min
 Lab File: BM046615.D
 Acq: 16 Jul 2024 02:50

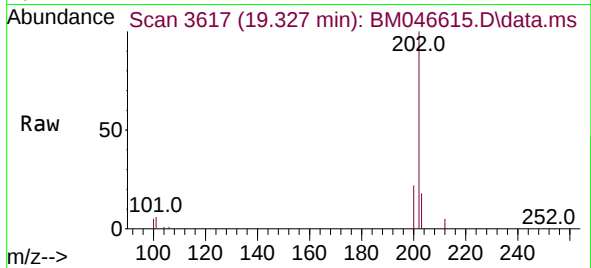
Tgt Ion:202 Resp: 36138
 Ion Ratio Lower Upper
 202 100
 101 4.9 4.6 6.8
 100 3.7 3.0 4.6





#20
Pyrene
Concen: 0.738 ng/ul
RT: 19.327 min Scan# 3040
Delta R.T. -0.005 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

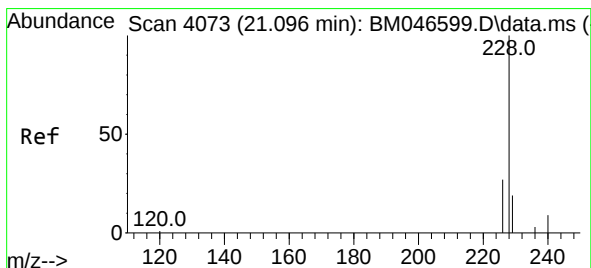
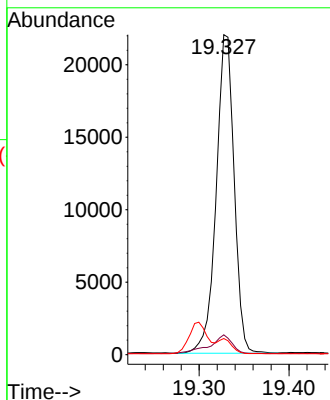
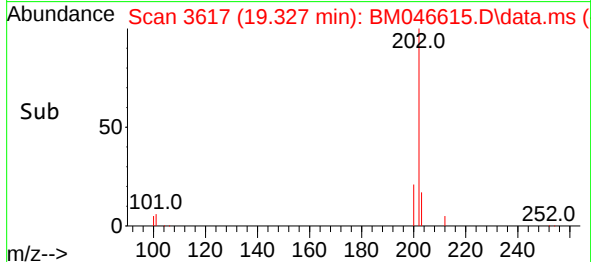
Instrument :
BNA_M
ClientSampleId :
A4BR3DL



Tgt Ion:202 Resp: 3040
Ion Ratio Lower Upper
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101 6.2 5.1 7.7
100 5.0 3.8 5.6

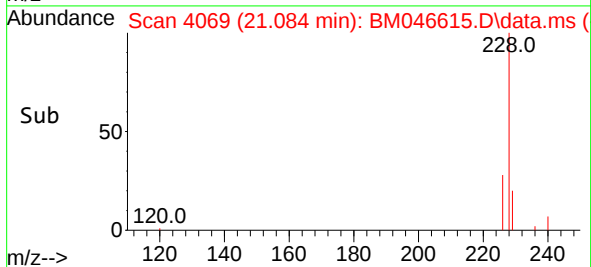
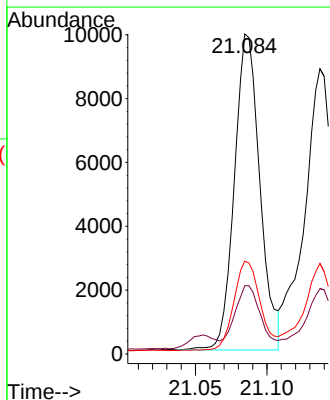
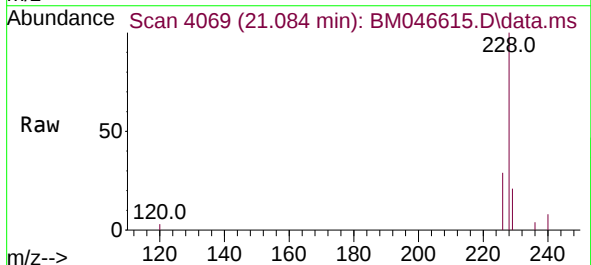
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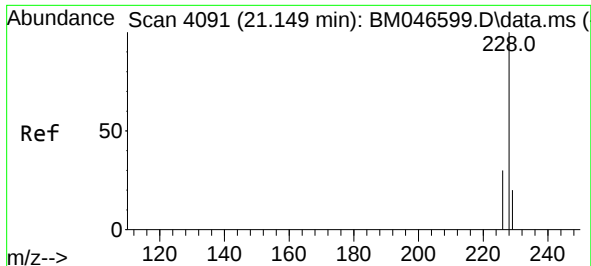
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/18/2024



#21
Benzo(a)anthracene
Concen: 0.300 ng/ul
RT: 21.084 min Scan# 4069
Delta R.T. -0.003 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

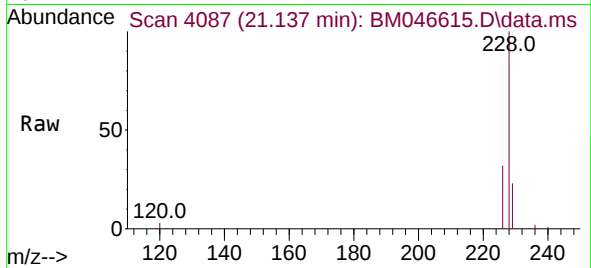
Tgt Ion:228 Resp: 12312
Ion Ratio Lower Upper
228 100
229 21.3 16.5 24.7
226 29.0 22.5 33.7





#22
Chrysene
Concen: 0.310 ng/ul
RT: 21.137 min Scan# 4091
Delta R.T. -0.003 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

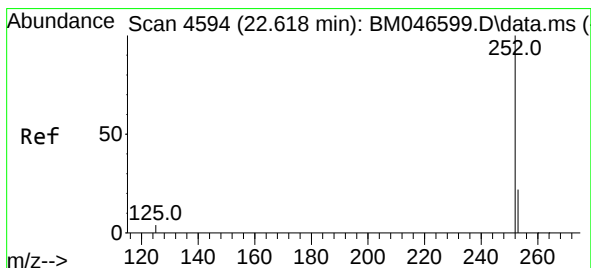
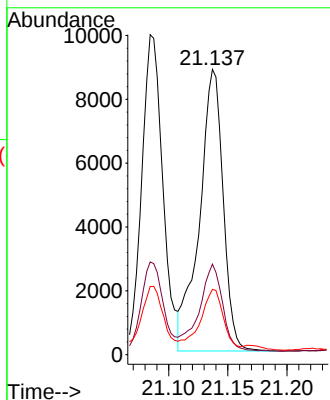
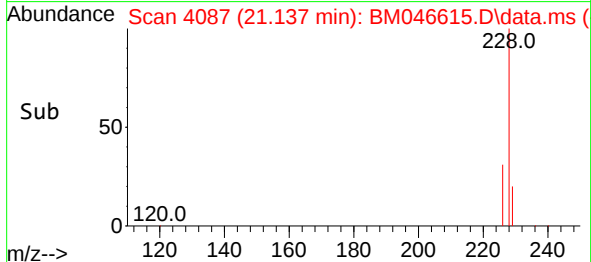
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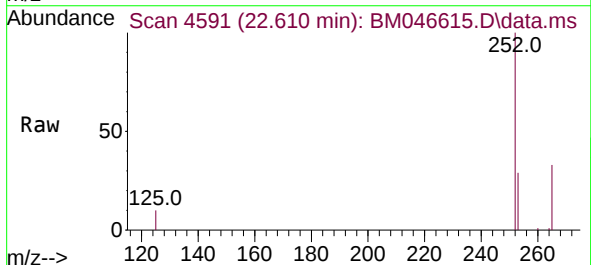
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Ion Ratio Lower Upper
228 100
226 31.8 24.3 36.5
229 22.9 16.4 24.6

Manual Integrations
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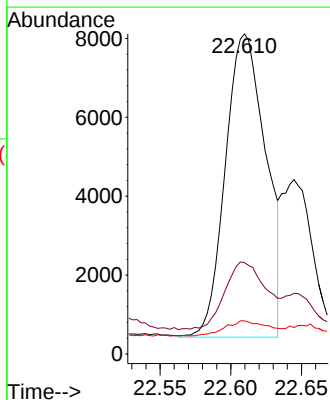
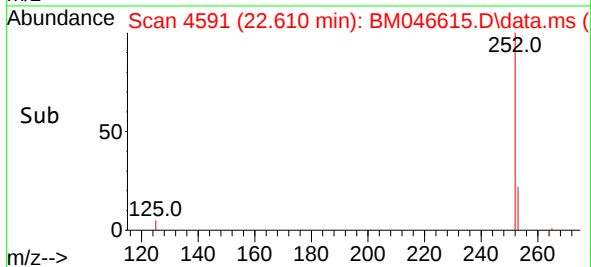
Reviewed By :Yogesh Patel 07/16/2024
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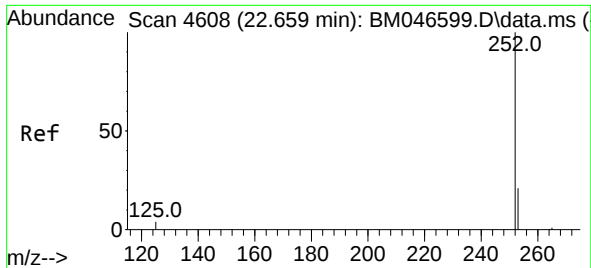


#24
Benzo(b)fluoranthene
Concen: 0.352 ng/ul m
RT: 22.610 min Scan# 4591
Delta R.T. -0.000 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50



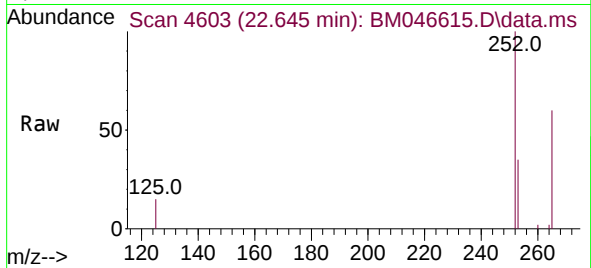
Tgt Ion:252 Resp: 15252
Ion Ratio Lower Upper
252 100
253 28.5 0.0 56.2
125 10.4 0.0 17.8





#25
Benzo(k)fluoranthene
Concen: 0.138 ng/ul m
RT: 22.645 min Scan# 4603
Delta R.T. -0.006 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

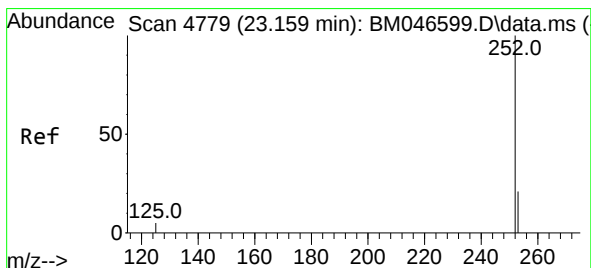
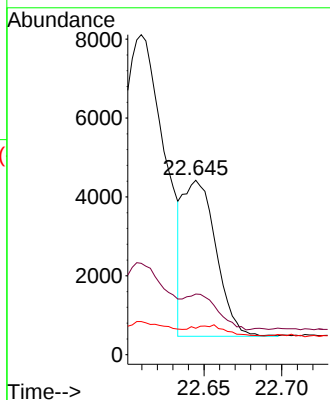
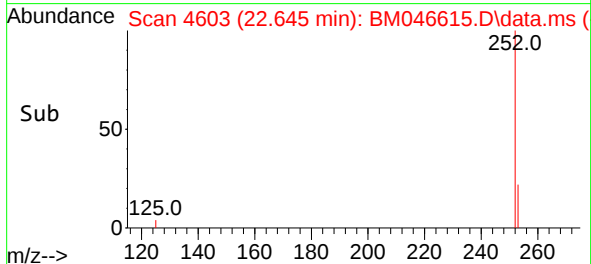
Instrument :
BNA_M
ClientSampleId :
A4BR3DL



Tgt Ion:252 Resp: 588
Ion Ratio Lower Upper
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253 34.8 22.4 33.6
125 15.2 7.0 10.4

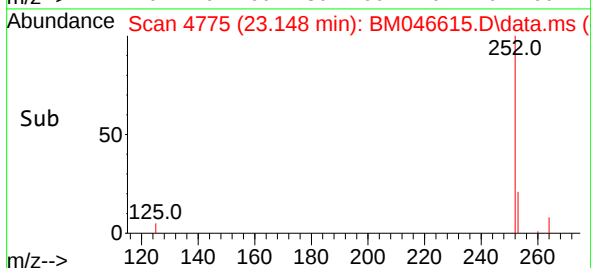
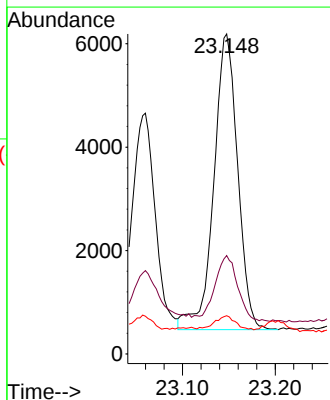
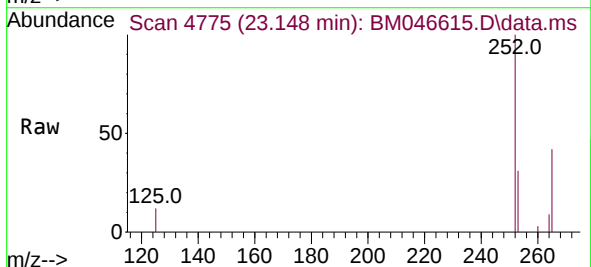
Manual Integrations
APPROVED

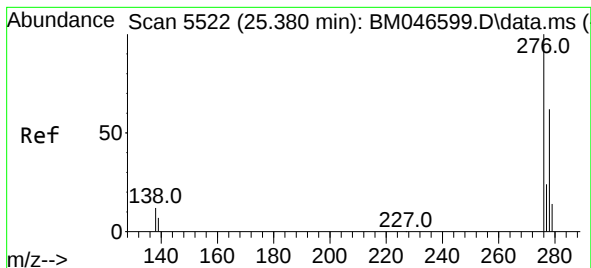
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/18/2024



#26
Benzo(a)pyrene
Concen: 0.286 ng/ul
RT: 23.148 min Scan# 4775
Delta R.T. -0.003 min
Lab File: BM046615.D
Acq: 16 Jul 2024 02:50

Tgt Ion:252 Resp: 10205
Ion Ratio Lower Upper
252 100
253 30.7 24.0 36.0
125 11.9 8.2 12.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.131 ng/ul

RT: 25.356 min Scan# 5515

Delta R.T. -0.004 min

Lab File: BM046615.D

Acq: 16 Jul 2024 02:50

Instrument :

BNA_M

ClientSampleId :

A4BR3DL

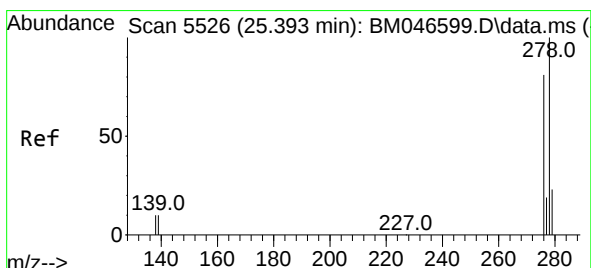
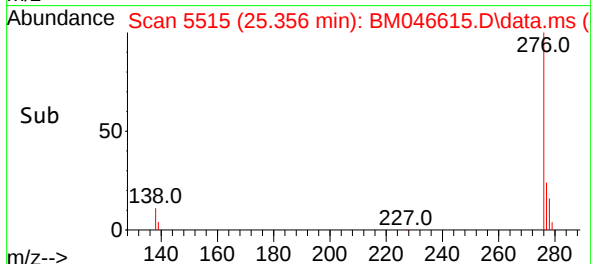
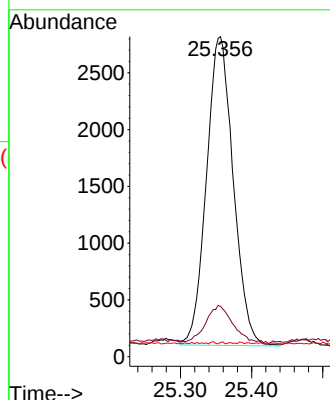
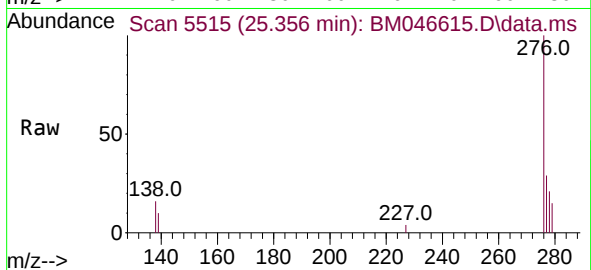
Tgt Ion:	276	Resp:	710
Ion Ratio	Lower	Upper	
276	100		
138	12.9	0.0	0.0
227	0.1	0.2	0.2

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#28

Dibenzo(a,h)anthracene

Concen: 0.039 ng/ul

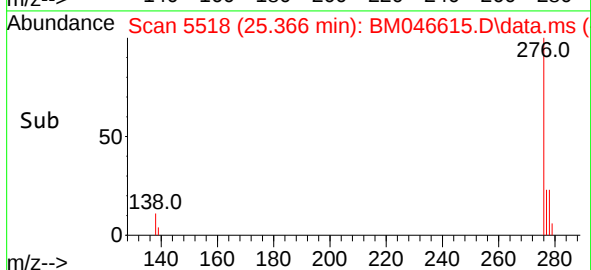
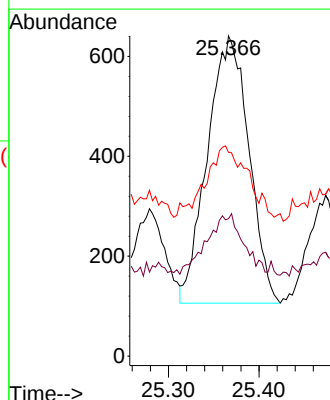
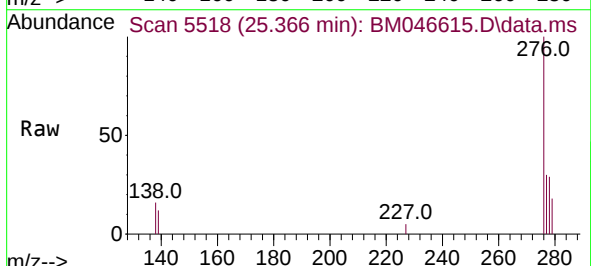
RT: 25.366 min Scan# 5518

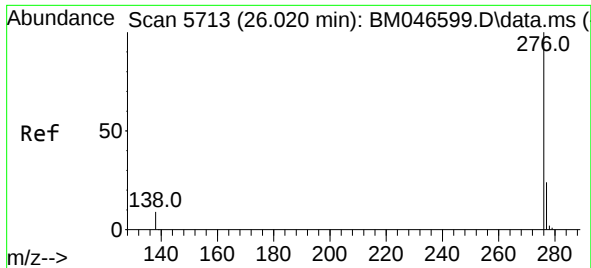
Delta R.T. -0.017 min

Lab File: BM046615.D

Acq: 16 Jul 2024 02:50

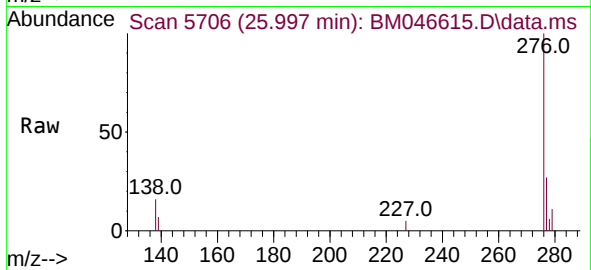
Tgt Ion:	278	Resp:	1696
Ion Ratio	Lower	Upper	
278	100		
139	42.9	9.1	13.7#
279	63.7	23.2	34.8#





#29
 Benzo(g,h,i)perylene
 Concen: 0.160 ng/ul
 RT: 25.997 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: BM046615.D
 Acq: 16 Jul 2024 02:50

Instrument :
 BNA_M
 ClientSampleId :
 A4BR3DL



Tgt Ion:	276	Resp:	6910
Ion Ratio	Lower	Upper	
276	100		
138	15.6	10.2	15.4
277	27.2	20.9	31.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/18/2024

