

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071224\
 Data File : BM046564.D
 Acq On : 13 Jul 2024 02:54
 Operator : MA/JU
 Sample : P3087-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BR3

Manual Integrations
 APPROVED

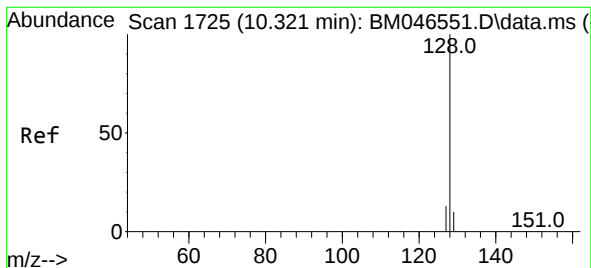
Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 13 03:42:24 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 : Fri Jul 12 05:09:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	3330	0.400	ng/ul	0.00
4) Naphthalene-d8	10.271	136	8938	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.150	164	5648	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.905	188	12398m	0.400	ng/ul	0.00
17) Chrysene-d12	21.108	240	9072	0.400	ng/ul	# 0.00
23) Perylene-d12	23.247	264	9368	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.117	96	11061	4.043	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.871	152	3981	0.276	ng/ul	0.00
18) Fluoranthene-d10	18.942	212	8525	0.309	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.315	128	11144	0.490	ng/ul	97
7) 2-Methylnaphthalene	11.943	142	3843	0.241	ng/ul	99
8) 1-Methylnaphthalene	12.168	142	2625	0.161	ng/ul	100
10) Acenaphthylene	13.868	152	1772	0.069	ng/ul#	85
11) Acenaphthene	14.215	153	11834	0.687	ng/ul	96
12) Fluorene	15.210	166	13797	0.647	ng/ul	96
15) Phenanthrene	16.947	178	217873	6.158	ng/ul	98
16) Anthracene	17.036	178	30714	0.890	ng/ul	98
19) Fluoranthene	18.969	202	244937	6.573	ng/ul#	98
20) Pyrene	19.337	202	190175	4.714	ng/ul	99
21) Benzo(a)anthracene	21.090	228	77257	1.925	ng/ul	100
22) Chrysene	21.143	228	78524m	2.022	ng/ul	
24) Benzo(b)fluoranthene	22.612	252	89447m	2.390	ng/ul	
25) Benzo(k)fluoranthene	22.653	252	31198m	0.849	ng/ul	
26) Benzo(a)pyrene	23.156	252	57624m	1.871	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.366	276	39054	0.833	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.373	278	9072	0.245	ng/ul#	85
29) Benzo(g,h,i)perylene	26.013	276	38306	1.024	ng/ul	98

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



#5

Naphthalene

Concen: 0.490 ng/ul

RT: 10.315 min Scan# 1114

Delta R.T. -0.010 min

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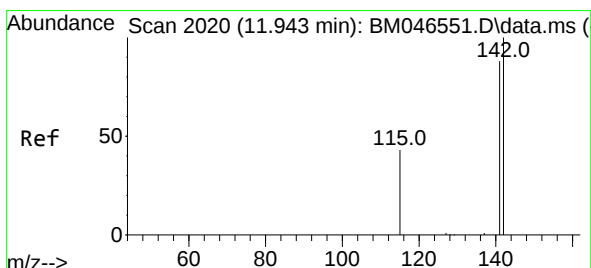
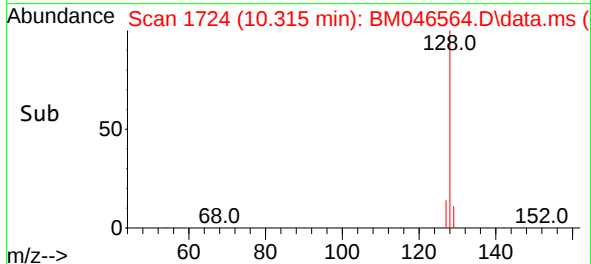
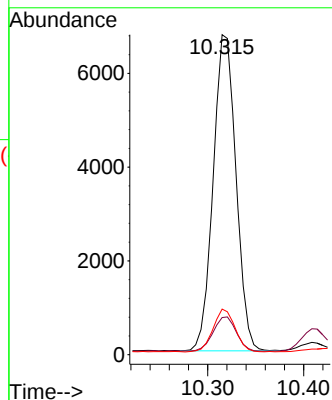
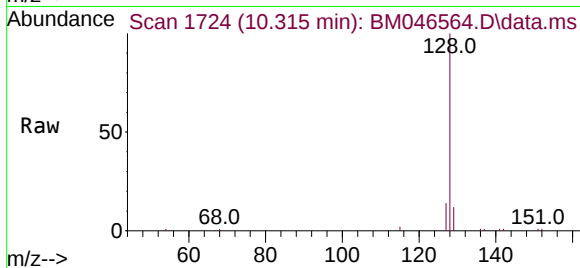
Tgt Ion:128	Resp:	1114
Ion Ratio	Lower	Upper
128	100	
129	11.6	10.3 15.5
127	14.3	12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/16/2024



#7

2-Methylnaphthalene

Concen: 0.241 ng/ul

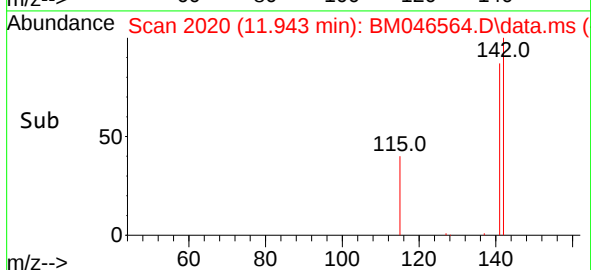
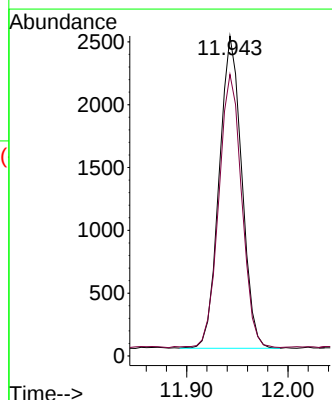
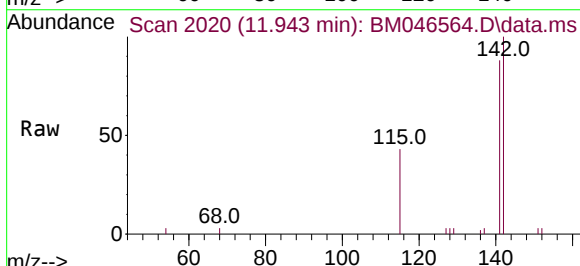
RT: 11.943 min Scan# 2020

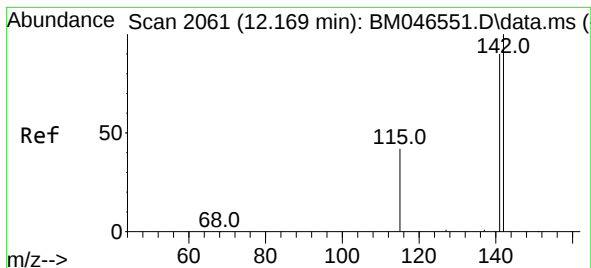
Delta R.T. -0.004 min

Lab File: BM046564.D

Acq: 13 Jul 2024 02:54

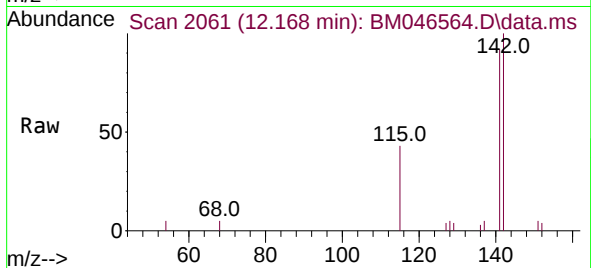
Tgt Ion:142	Resp:	3843
Ion Ratio	Lower	Upper
142	100	
141	89.1	70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.161 ng/ul
RT: 12.168 min Scan# 2061
Delta R.T. -0.004 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

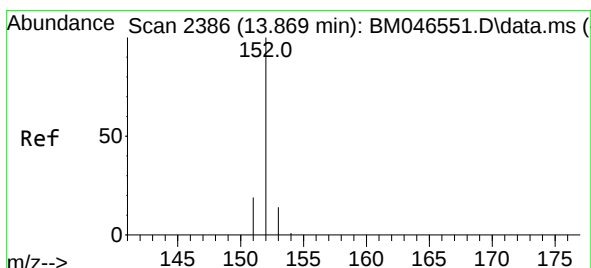
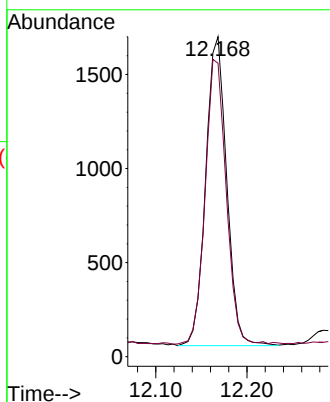
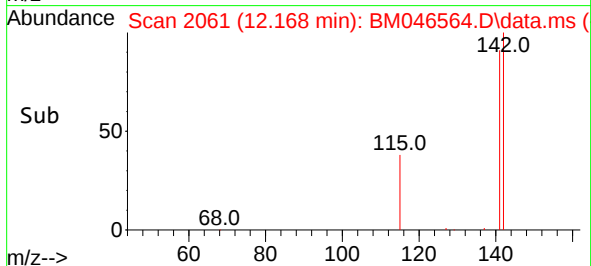
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:142 Resp: 2629
Ion Ratio Lower Upper
142 100
141 92.4 73.9 110.9

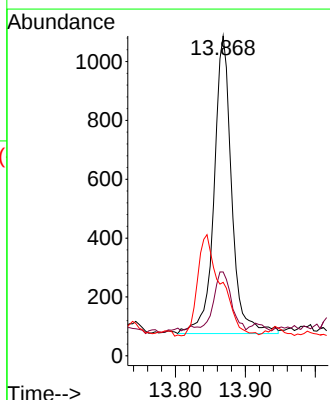
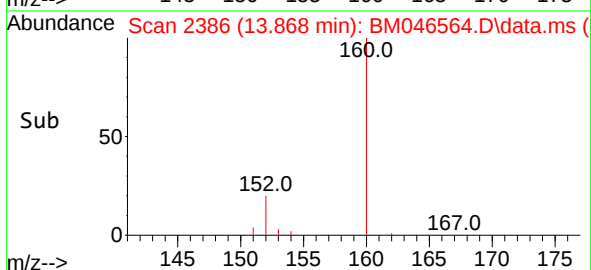
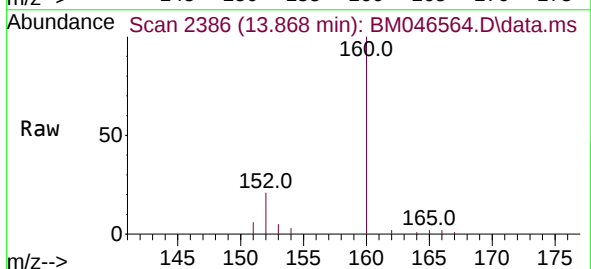
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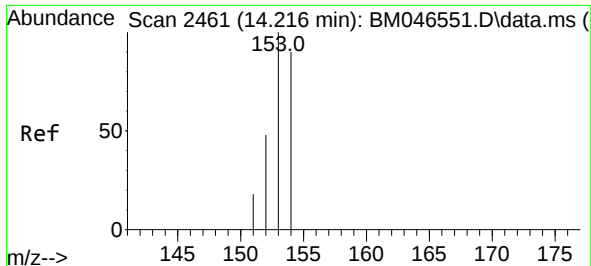
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 13.868 min Scan# 2386
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

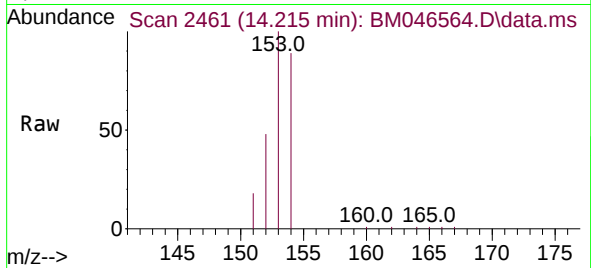
Tgt Ion:152 Resp: 1772
Ion Ratio Lower Upper
152 100
151 26.2 16.4 24.6#
153 23.0 12.4 18.6#





#11
Acenaphthene
Concen: 0.687 ng/ul
RT: 14.215 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

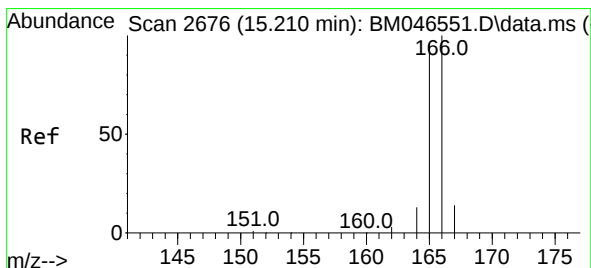
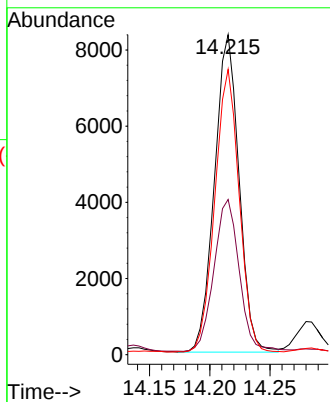
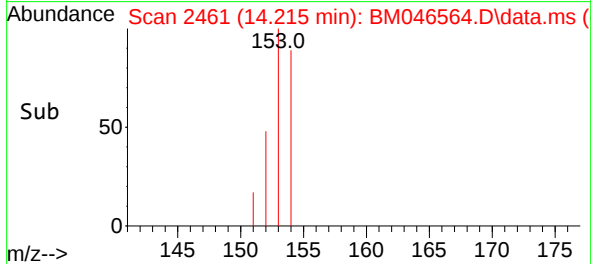
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:153 Resp: 11834
Ion Ratio Lower Upper
153 100
152 48.5 43.0 64.6
154 89.1 69.9 104.9

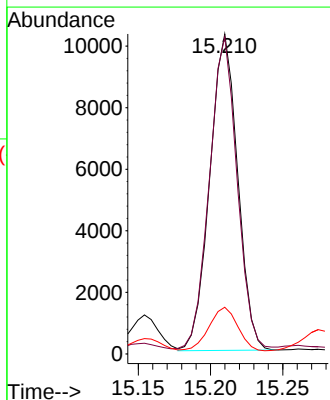
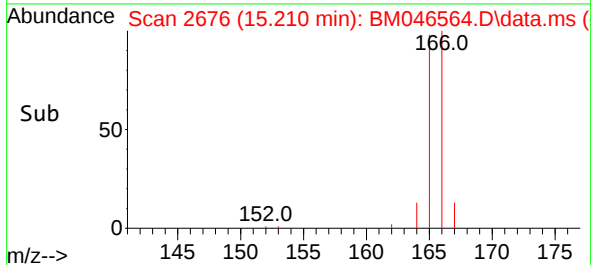
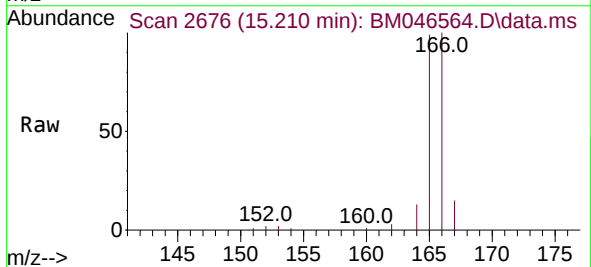
Manual Integrations
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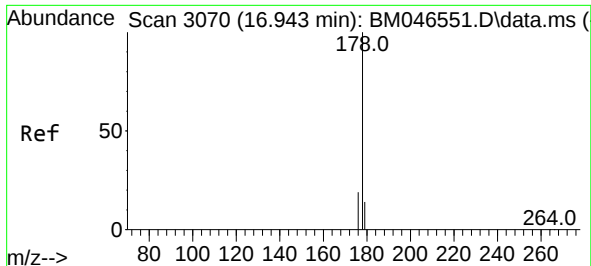
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#12
Fluorene
Concen: 0.647 ng/ul
RT: 15.210 min Scan# 2676
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

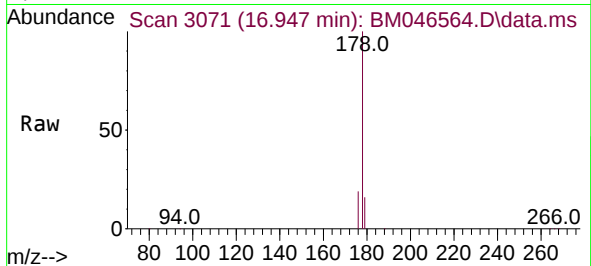
Tgt Ion:166 Resp: 13797
Ion Ratio Lower Upper
166 100
165 99.1 76.1 114.1
167 14.6 12.5 18.7





#15
Phenanthrene
Concen: 6.158 ng/u1
RT: 16.947 min Scan# 3071
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

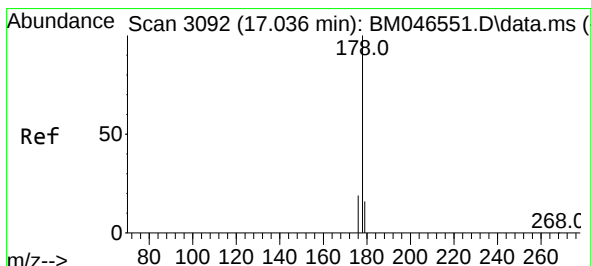
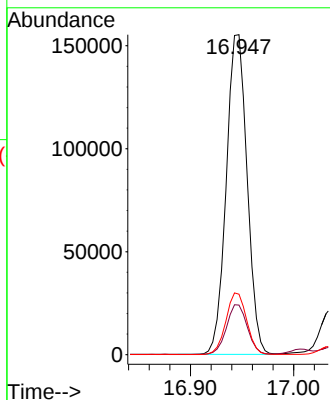
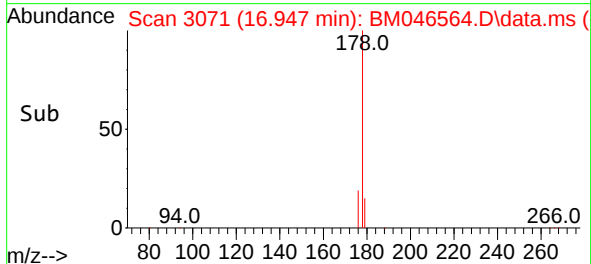
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:178 Resp: 21787
Ion Ratio Lower Upper
178 100
179 15.5 13.1 19.7
176 18.9 16.0 24.0

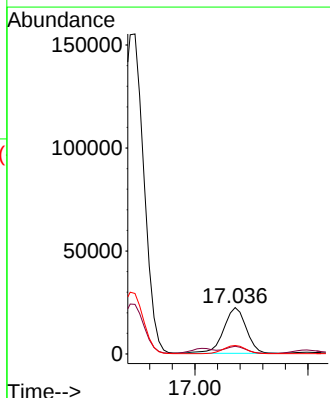
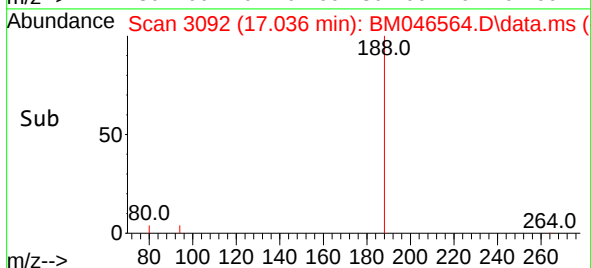
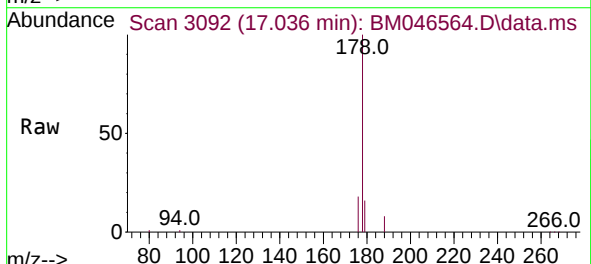
Manual Integrations
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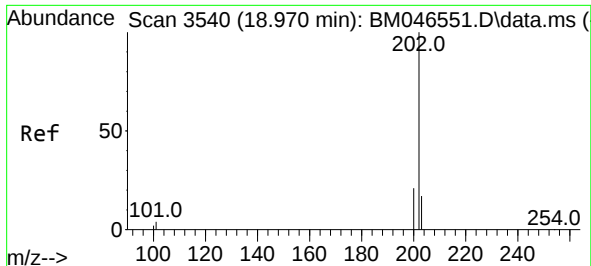
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#16
Anthracene
Concen: 0.890 ng/u1
RT: 17.036 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

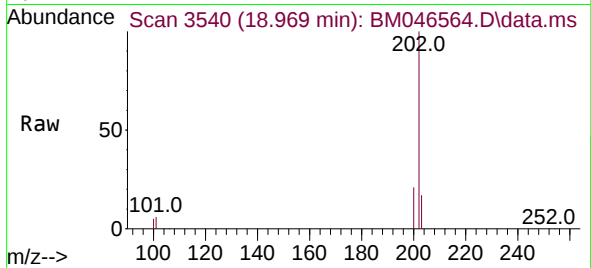
Tgt Ion:178 Resp: 30714
Ion Ratio Lower Upper
178 100
179 16.4 13.5 20.3
176 18.4 15.7 23.5





#19
Fluoranthene
Concen: 6.573 ng/u1
RT: 18.969 min Scan# 3540
Delta R.T. -0.008 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

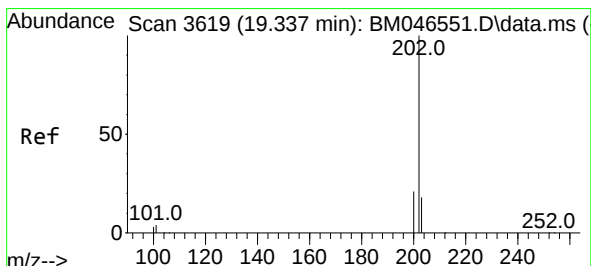
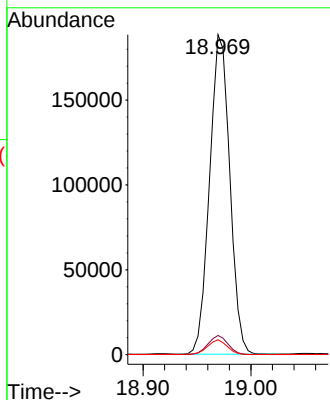
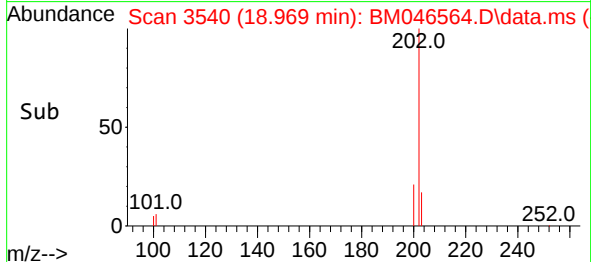
Instrument :
BNA_M
ClientSampleId :
A4BR3



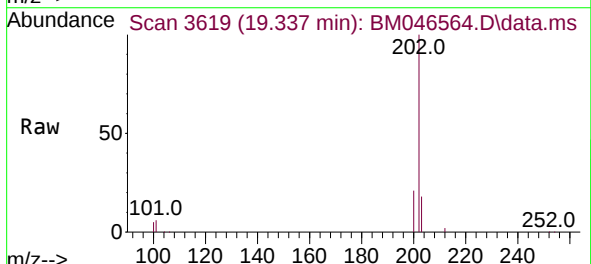
Tgt Ion:202 Resp: 244937
Ion Ratio Lower Upper
202 100
101 6.0 4.6 6.8
100 4.7 3.0 4.6

Manual Integrations
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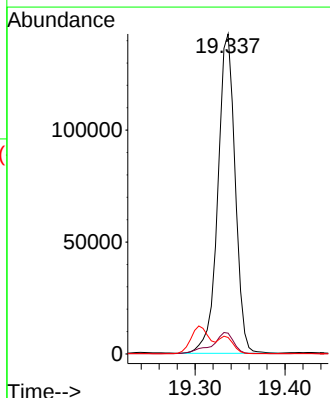
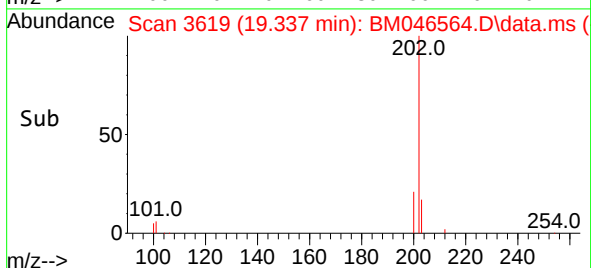
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

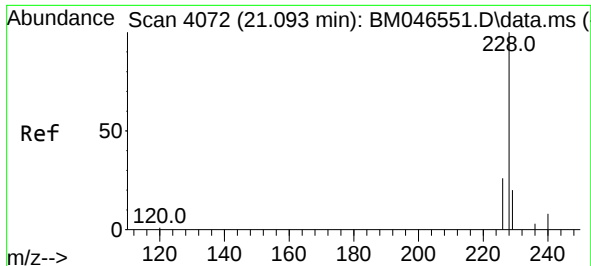


#20
Pyrene
Concen: 4.714 ng/u1
RT: 19.337 min Scan# 3619
Delta R.T. -0.003 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54



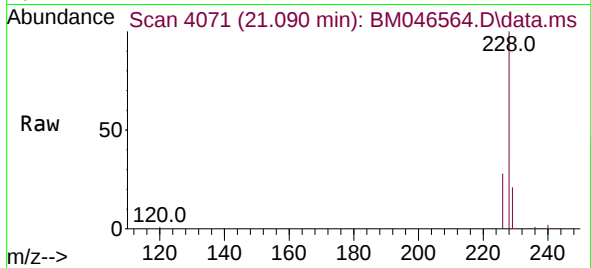
Tgt Ion:202 Resp: 190175
Ion Ratio Lower Upper
202 100
101 6.5 5.1 7.7
100 5.2 3.8 5.6





#21
Benzo(a)anthracene
Concen: 1.925 ng/ul
RT: 21.090 min Scan# 4071
Delta R.T. -0.006 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

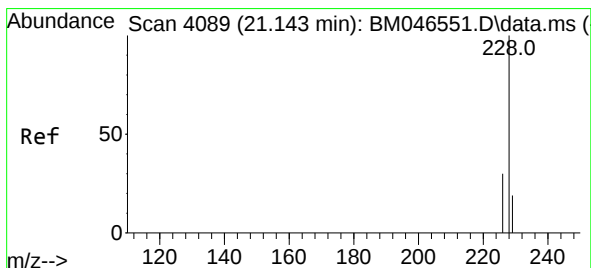
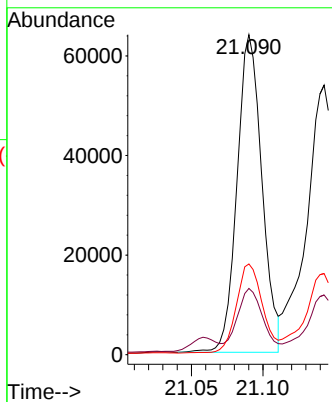
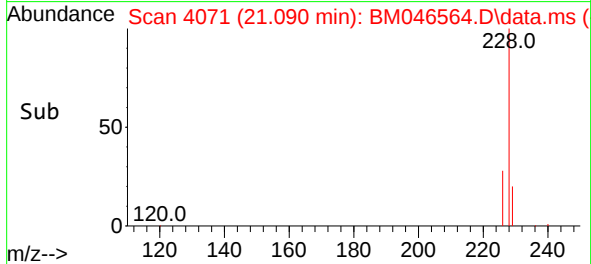
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:228 Resp: 7725
Ion Ratio Lower Upper
228 100
229 20.7 16.5 24.7
226 28.4 22.5 33.7

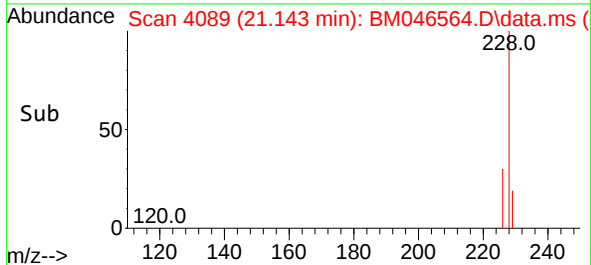
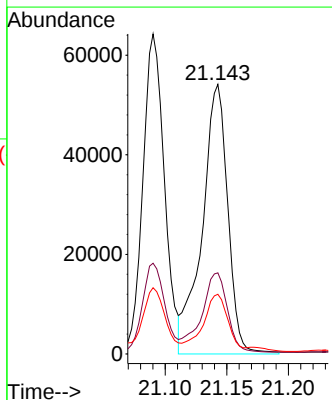
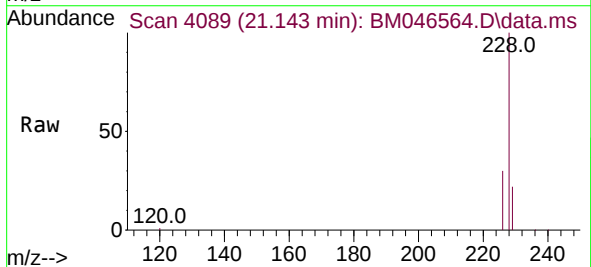
Manual Integrations
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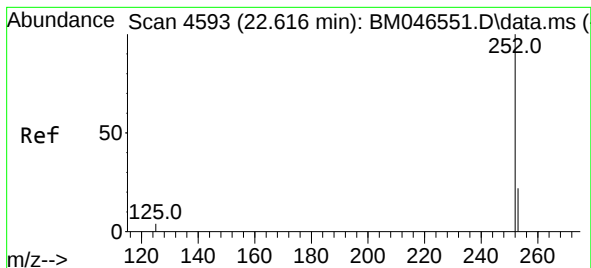
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#22
Chrysene
Concen: 2.022 ng/ul m
RT: 21.143 min Scan# 4089
Delta R.T. -0.006 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

Tgt Ion:228 Resp: 78524
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.1 16.4 24.6





#24

Benzo(b)fluoranthene

Concen: 2.390 ng/ul m

RT: 22.612 min Scan# 4592

Delta R.T. -0.009 min

Lab File: BM046564.D

Acq: 13 Jul 2024 02:54

Instrument :

BNA_M

ClientSampleId :

A4BR3

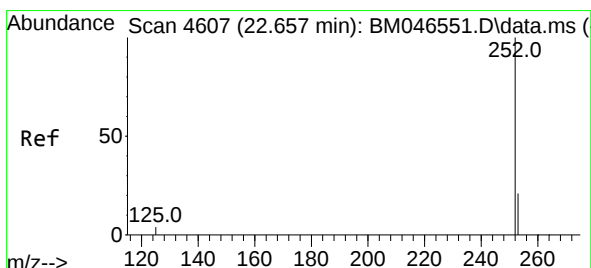
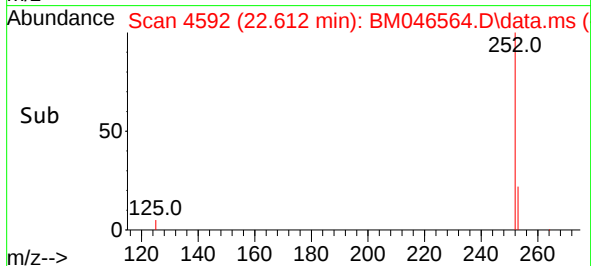
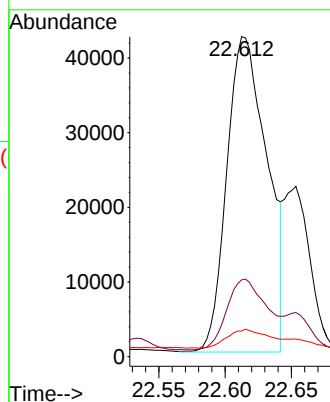
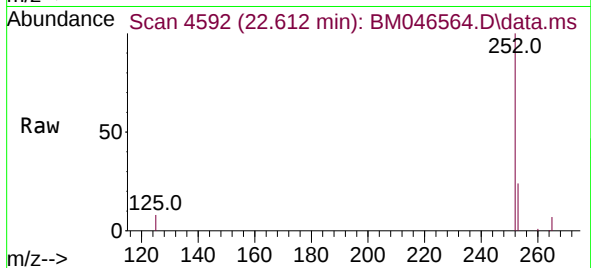
Tgt Ion:252	Resp:	8944
Ion Ratio	Lower	Upper
252	100	
253	24.0	0.0 56.2
125	8.0	0.0 17.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/16/2024



#25

Benzo(k)fluoranthene

Concen: 0.849 ng/ul m

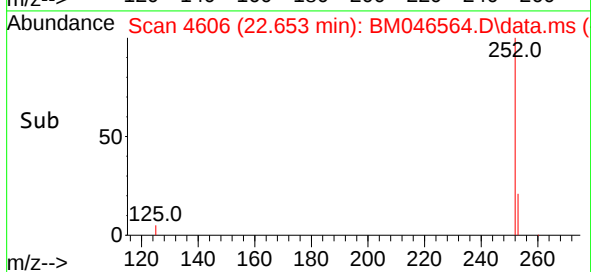
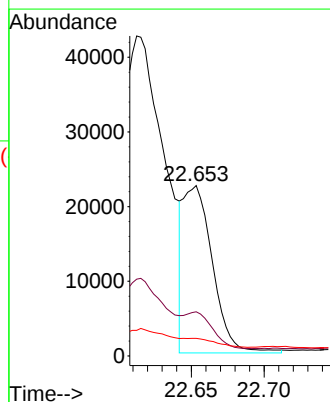
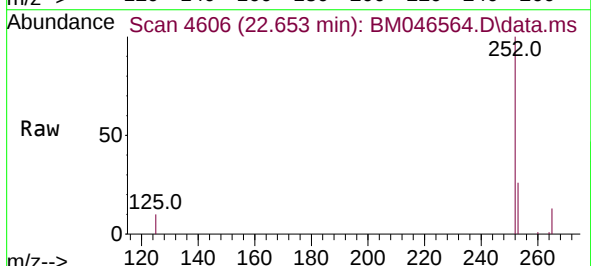
RT: 22.653 min Scan# 4606

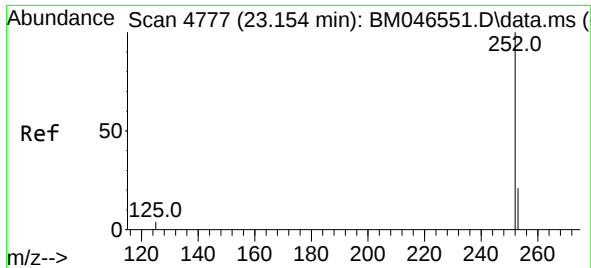
Delta R.T. -0.009 min

Lab File: BM046564.D

Acq: 13 Jul 2024 02:54

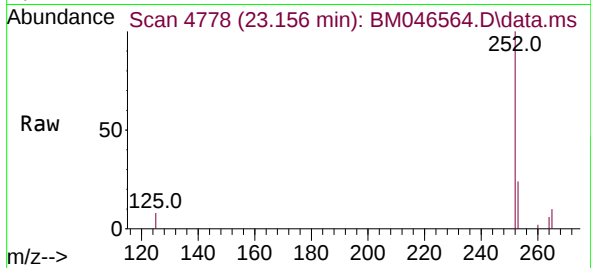
Tgt Ion:252	Resp:	31198
Ion Ratio	Lower	Upper
252	100	
253	26.0	22.4 33.6
125	10.3	7.0 10.4





#26
Benzo(a)pyrene
Concen: 1.871 ng/ul m
RT: 23.156 min Scan# 4777
Delta R.T. -0.006 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

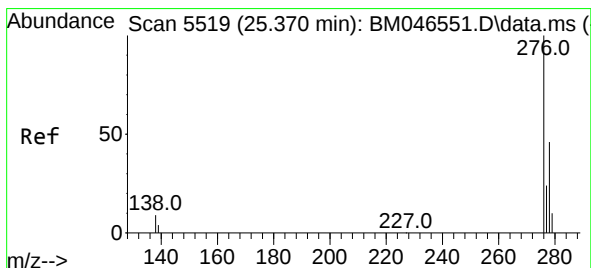
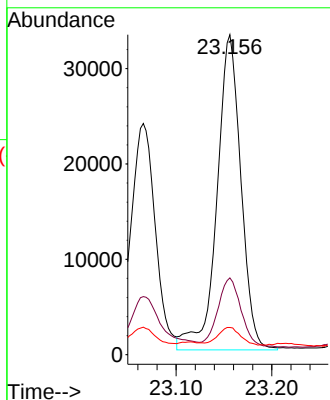
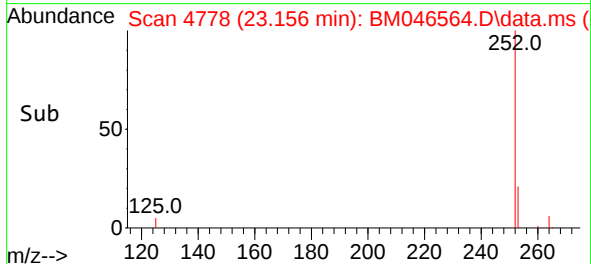
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:252 Resp: 57624
Ion Ratio Lower Upper
252 100
253 24.0 24.0 36.0#
125 8.5 8.2 12.2

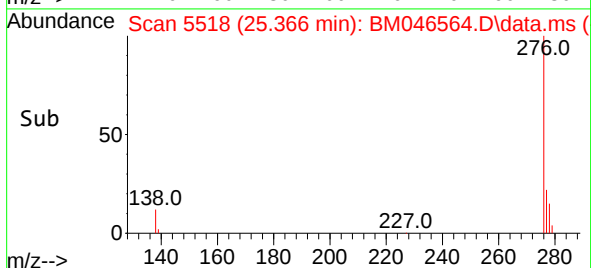
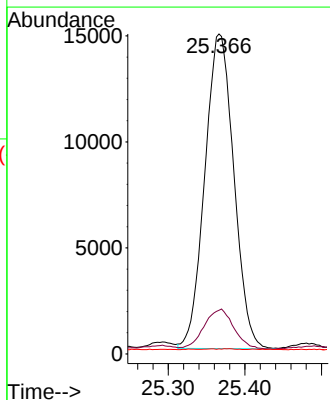
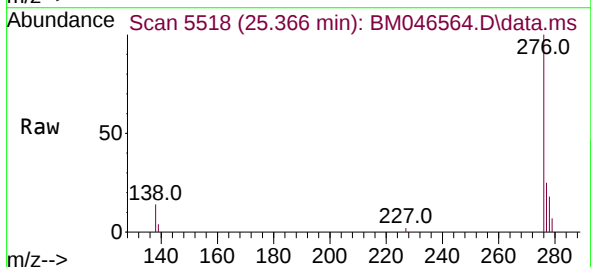
Manual Integrations
APPROVED

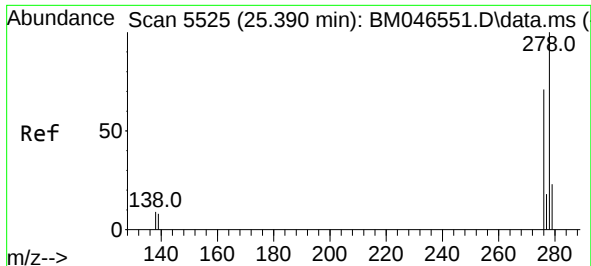
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.833 ng/ul
RT: 25.366 min Scan# 5518
Delta R.T. -0.017 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

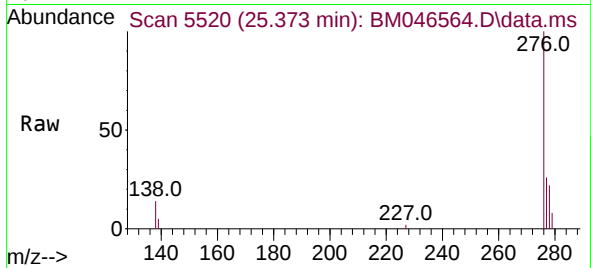
Tgt Ion:276 Resp: 39054
Ion Ratio Lower Upper
276 100
138 13.0 0.0 0.0#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.245 ng/ul
RT: 25.373 min Scan# 51
Delta R.T. -0.027 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

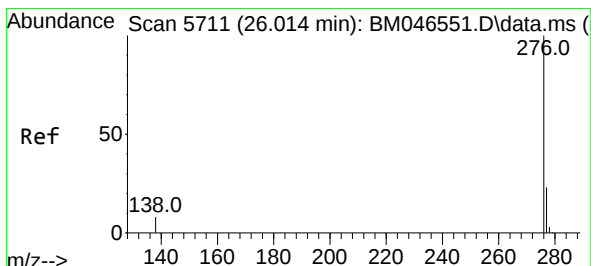
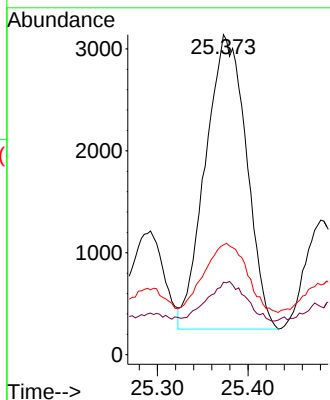
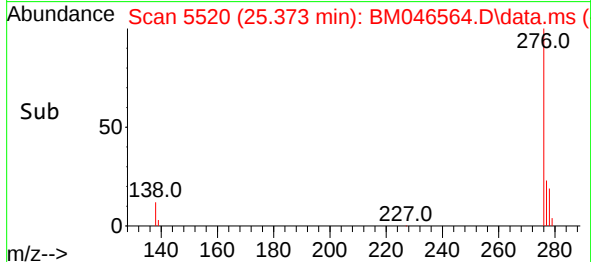
Instrument :
BNA_M
ClientSampleId :
A4BR3



Tgt Ion:278 Resp: 9072
Ion Ratio Lower Upper
278 100
139 22.6 9.1 13.7
279 34.3 23.2 34.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#29
Benzo(g,h,i)perylene
Concen: 1.024 ng/ul
RT: 26.013 min Scan# 5711
Delta R.T. -0.007 min
Lab File: BM046564.D
Acq: 13 Jul 2024 02:54

Tgt Ion:276 Resp: 38306
Ion Ratio Lower Upper
276 100
138 14.1 10.2 15.4
277 25.1 20.9 31.3

