

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046668.D
 Acq On : 17 Jul 2024 13:53
 Operator : MA/JU
 Sample : P3177-02DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BS0DL

Manual Integrations
 APPROVED

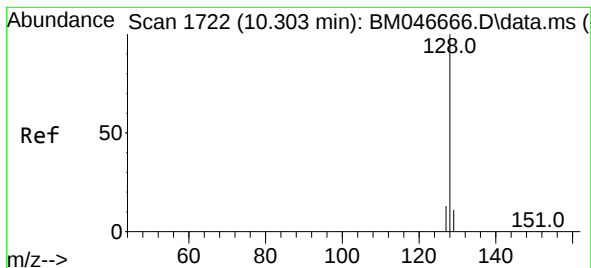
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 17 15:02:07 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)

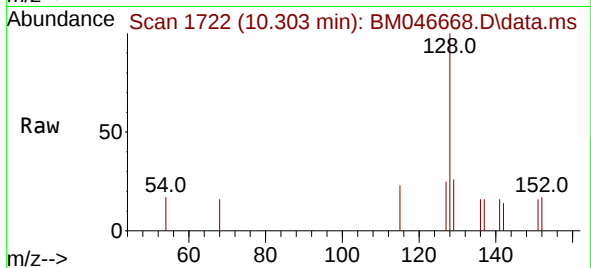
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.497	152	2798	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.253	136	7558	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.140	164	5124	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.891	188	10696	0.400	ng/ul	-0.01
17) Chrysene-d12	21.102	240	8930	0.400	ng/ul	0.00
23) Perylene-d12	23.241	264	10426	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	1674	0.728	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.853	152	772	0.063	ng/ul	-0.01
18) Fluoranthene-d10	18.931	212	1771	0.065	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.303	128	521	0.027	ng/ul#	73
10) Acenaphthylene	13.853	152	1041	0.045	ng/ul#	84
11) Acenaphthene	14.205	153	764	0.049	ng/ul	100
12) Fluorene	15.199	166	949	0.049	ng/ul#	97
15) Phenanthrene	16.933	178	19088	0.625	ng/ul	100
16) Anthracene	17.026	178	3432	0.115	ng/ul	97
19) Fluoranthene	18.964	202	44006	1.200	ng/ul	98
20) Pyrene	19.326	202	24182	0.609	ng/ul	100
21) Benzo(a)anthracene	21.088	228	19236	0.487	ng/ul	98
22) Chrysene	21.137	228	21867	0.572	ng/ul	99
24) Benzo(b)fluoranthene	22.610	252	33043m	0.793	ng/ul	
25) Benzo(k)fluoranthene	22.648	252	12058m	0.295	ng/ul	
26) Benzo(a)pyrene	23.148	252	8107	0.237	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.357	276	9769	0.187	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.367	278	4048	0.098	ng/ul#	65
29) Benzo(g,h,i)perylene	26.000	276	1506	0.036	ng/ul#	47

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



#5
Naphthalene
Concen: 0.027 ng/ul
RT: 10.303 min Scan# 1722
Delta R.T. -0.013 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

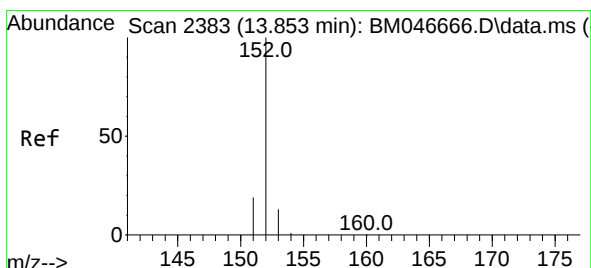
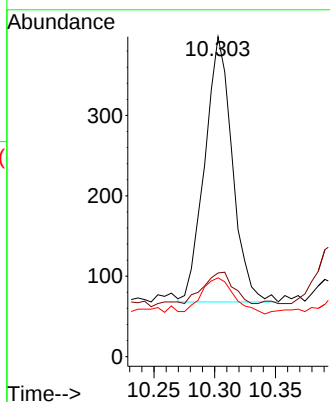
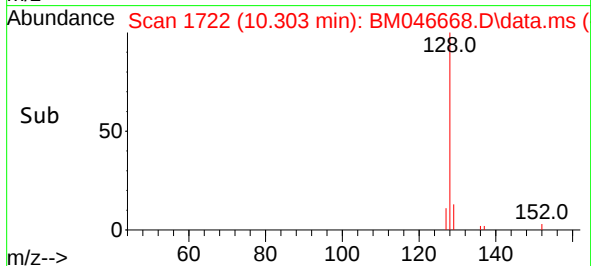
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:128 Resp: 521
Ion Ratio Lower Upper
128 100
129 26.1 10.3 15.5#
127 24.6 12.2 18.4#

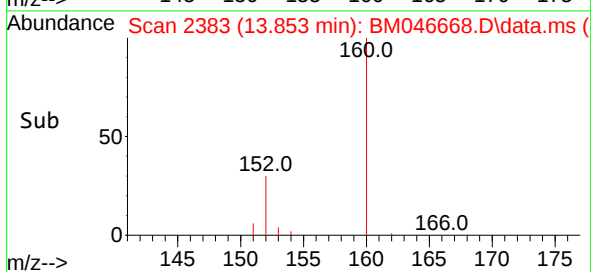
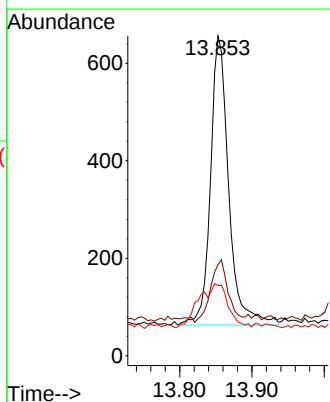
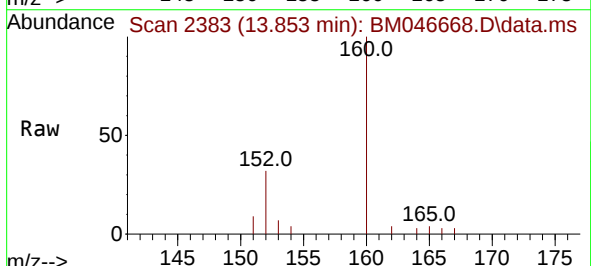
Manual Integrations
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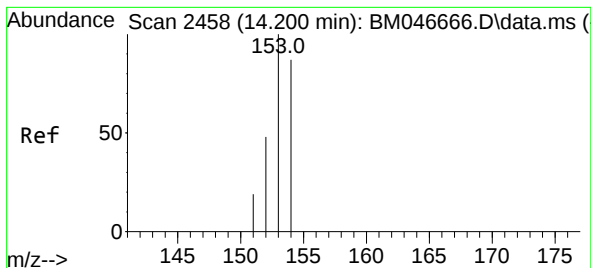
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#10
Acenaphthylene
Concen: 0.045 ng/ul
RT: 13.853 min Scan# 2383
Delta R.T. -0.011 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

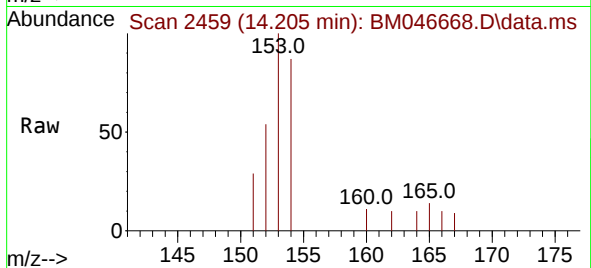
Tgt Ion:152 Resp: 1041
Ion Ratio Lower Upper
152 100
151 28.5 16.4 24.6#
153 22.0 12.4 18.6#





#11
Acenaphthene
Concen: 0.049 ng/ul
RT: 14.205 min Scan# 2459
Delta R.T. -0.006 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

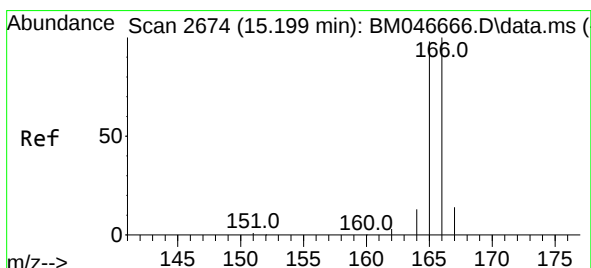
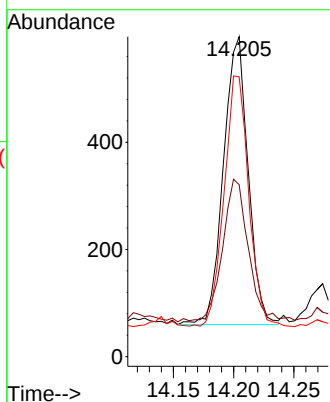
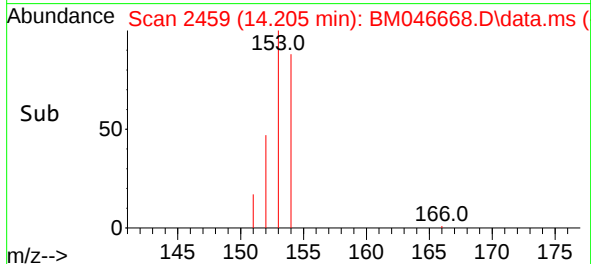
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:153 Resp: 764
Ion Ratio Lower Upper
153 100
152 53.8 43.0 64.6
154 87.4 69.9 104.9

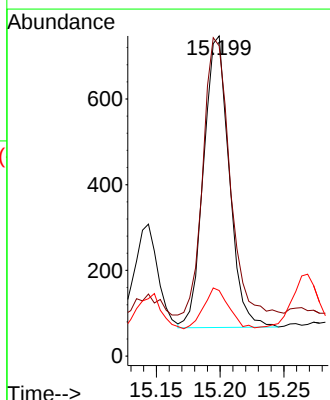
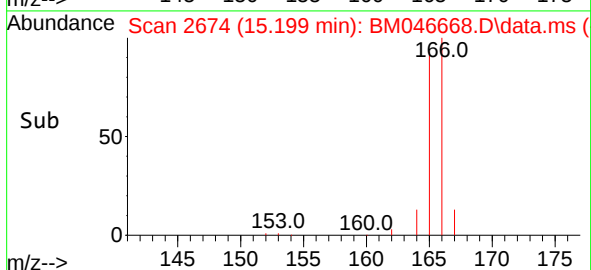
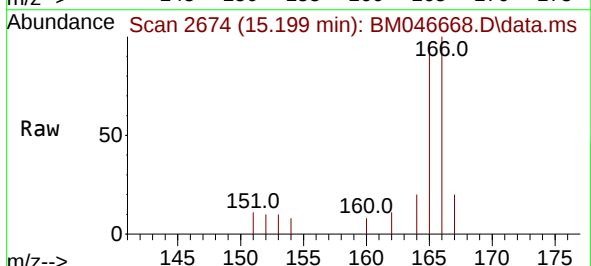
Manual Integrations
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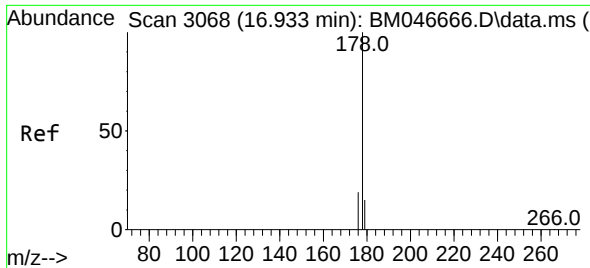
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#12
Fluorene
Concen: 0.049 ng/ul
RT: 15.199 min Scan# 2674
Delta R.T. -0.006 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

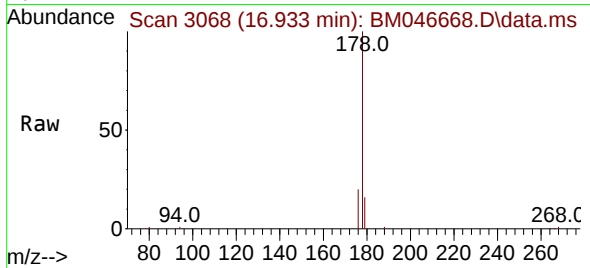
Tgt Ion:166 Resp: 949
Ion Ratio Lower Upper
166 100
165 96.9 76.1 114.1
167 20.5 12.5 18.7#





#15
 Phenanthrene
 Concen: 0.625 ng/ul
 RT: 16.933 min Scan# 3068
 Delta R.T. -0.010 min
 Lab File: BM046668.D
 Acq: 17 Jul 2024 13:53

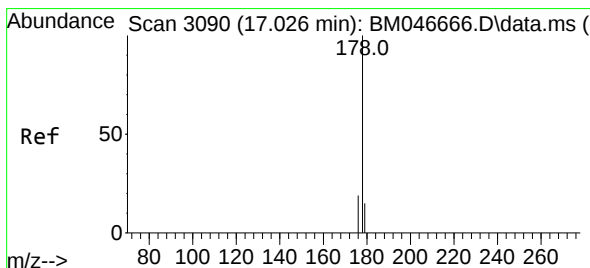
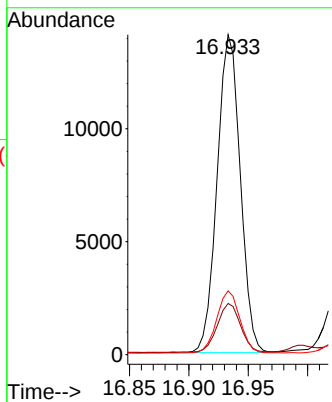
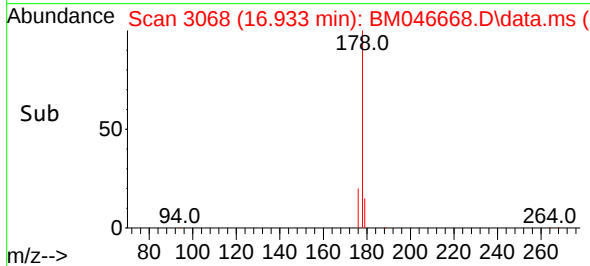
Instrument :
 BNA_M
 ClientSampleId :
 A4BS0DL



Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.1	19.7
176	19.9	16.0	24.0

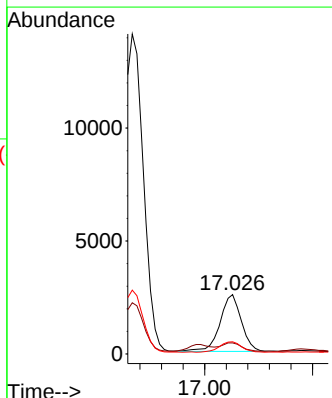
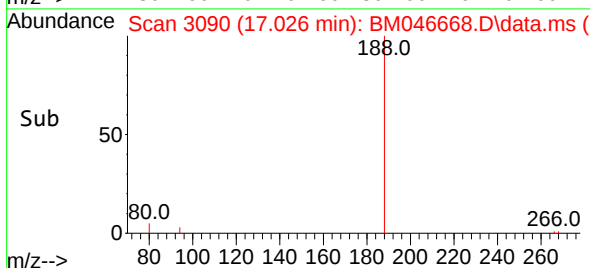
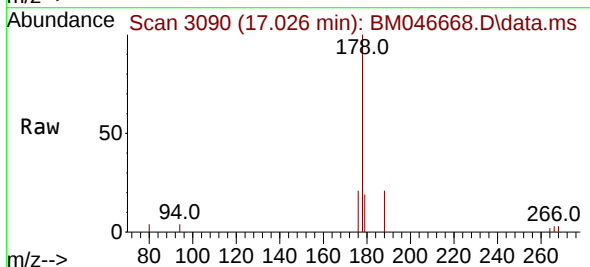
Manual Integrations
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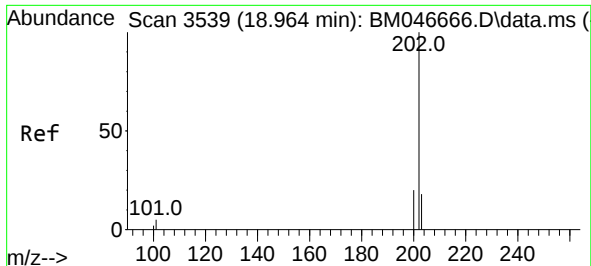
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024



#16
 Anthracene
 Concen: 0.115 ng/ul
 RT: 17.026 min Scan# 3090
 Delta R.T. -0.006 min
 Lab File: BM046668.D
 Acq: 17 Jul 2024 13:53

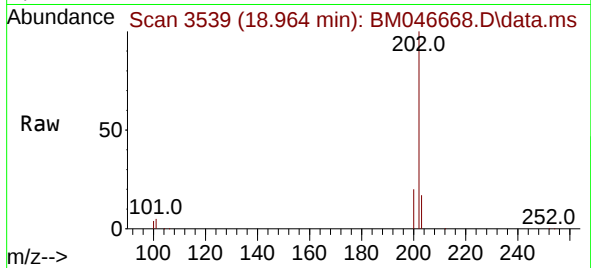
Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.6	13.5	20.3
176	20.5	15.7	23.5





#19
Fluoranthene
Concen: 1.200 ng/ul
RT: 18.964 min Scan# 3539
Delta R.T. -0.006 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

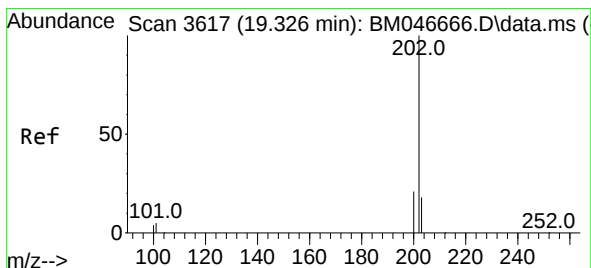
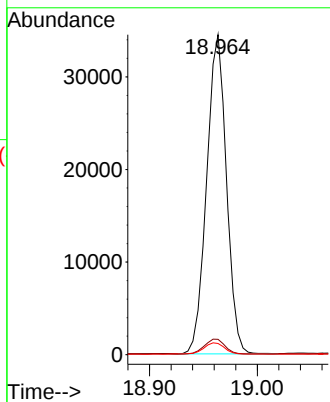
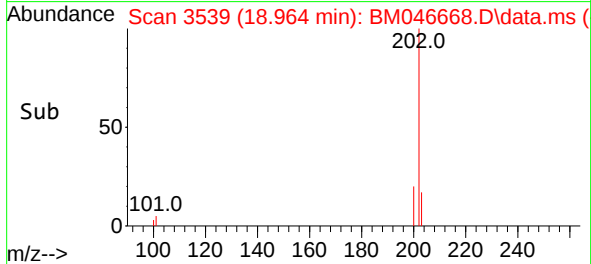
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



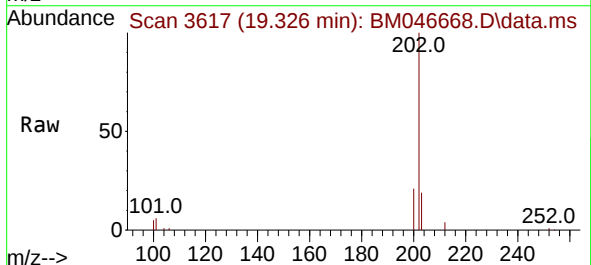
Tgt Ion:202 Resp: 44000
Ion Ratio Lower Upper
202 100
101 4.8 4.6 6.8
100 3.5 3.0 4.6

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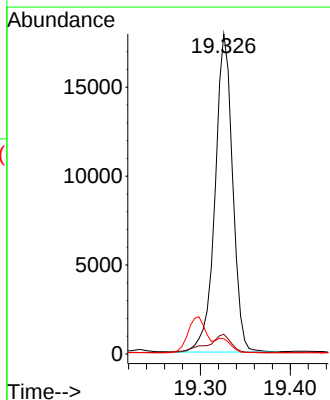
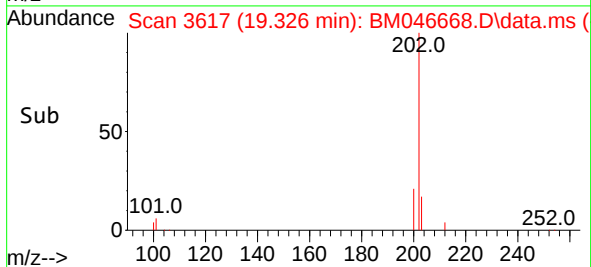
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

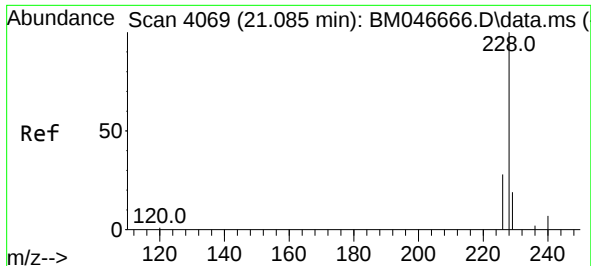


#20
Pyrene
Concen: 0.609 ng/ul
RT: 19.326 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53



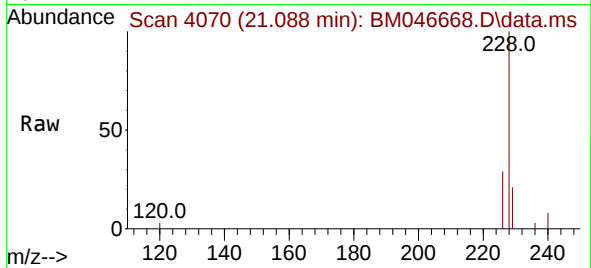
Tgt Ion:202 Resp: 24182
Ion Ratio Lower Upper
202 100
101 6.2 5.1 7.7
100 4.7 3.8 5.6





#21
Benzo(a)anthracene
Concen: 0.487 ng/ul
RT: 21.088 min Scan# 4069
Delta R.T. -0.000 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

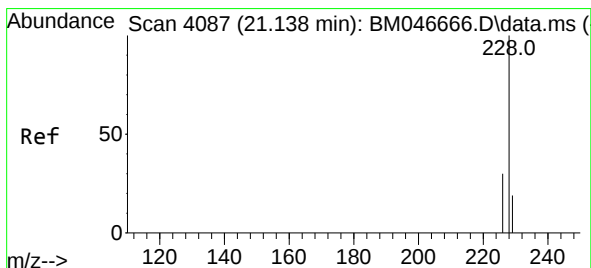
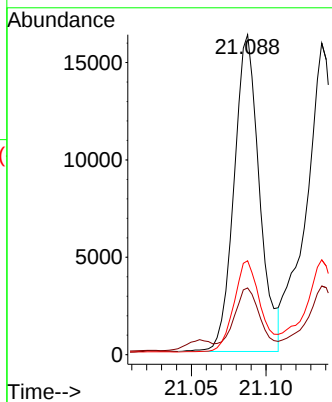
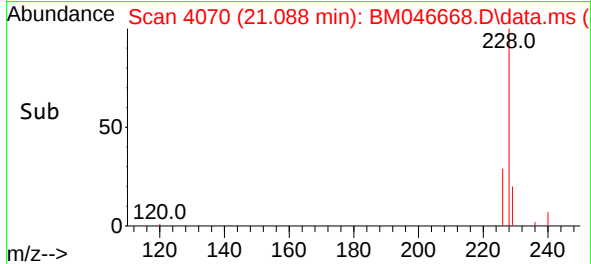
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:228 Resp: 19230
Ion Ratio Lower Upper
228 100
229 20.9 16.5 24.7
226 29.3 22.5 33.7

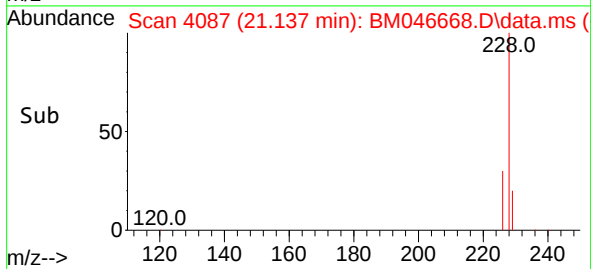
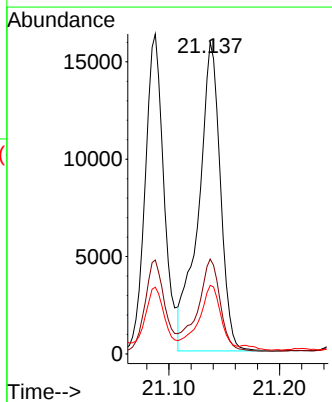
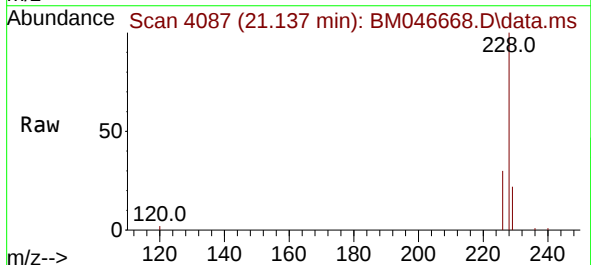
Manual Integrations
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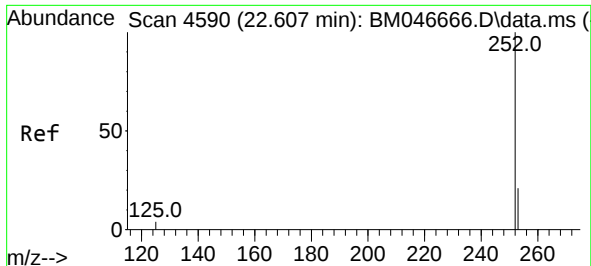
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#22
Chrysene
Concen: 0.572 ng/ul
RT: 21.137 min Scan# 4087
Delta R.T. -0.003 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

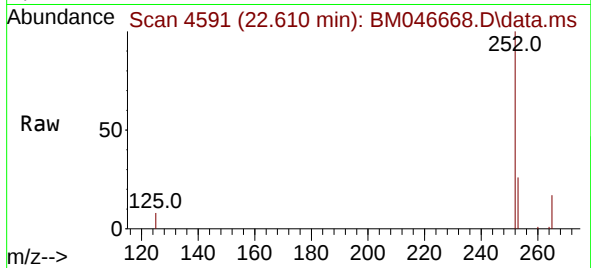
Tgt Ion:228 Resp: 21867
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.0 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 0.793 ng/ul m
RT: 22.610 min Scan# 4591
Delta R.T. -0.000 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

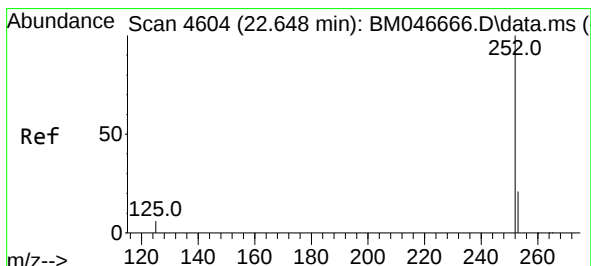
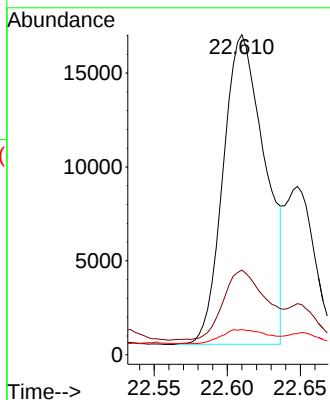
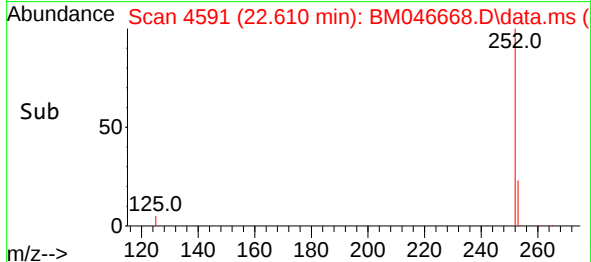
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:252 Resp: 3304
Ion Ratio Lower Upper
252 100
253 26.4 0.0 56.2
125 7.8 0.0 17.8

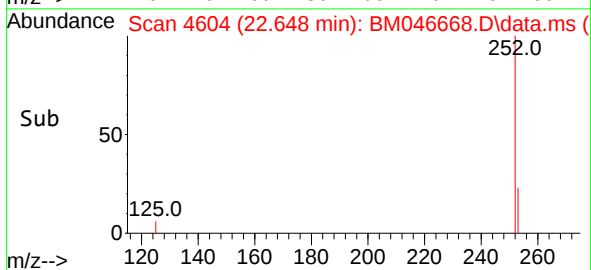
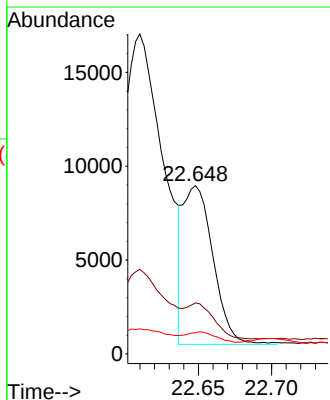
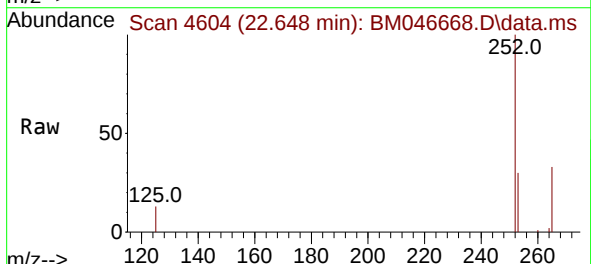
Manual Integrations
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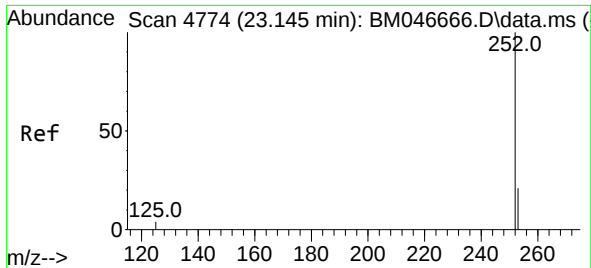
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#25
Benzo(k)fluoranthene
Concen: 0.295 ng/ul m
RT: 22.648 min Scan# 4604
Delta R.T. -0.003 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

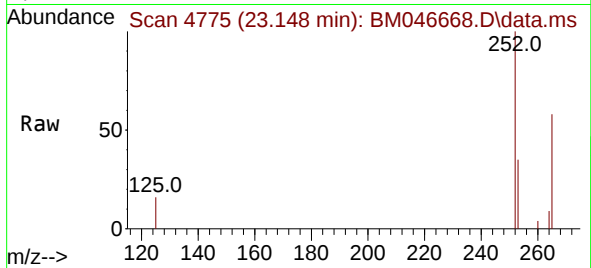
Tgt Ion:252 Resp: 12058
Ion Ratio Lower Upper
252 100
253 30.3 22.4 33.6
125 12.5 7.0 10.4#





#26
Benzo(a)pyrene
Concen: 0.237 ng/ul
RT: 23.148 min Scan# 4775
Delta R.T. -0.003 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

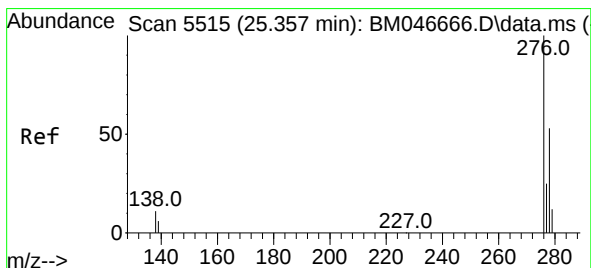
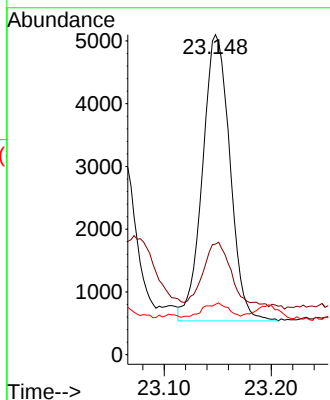
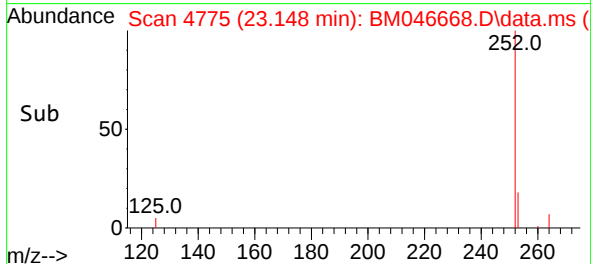
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:252 Resp: 810
Ion Ratio Lower Upper
252 100
253 34.5 24.0 36.0
125 15.7 8.2 12.2

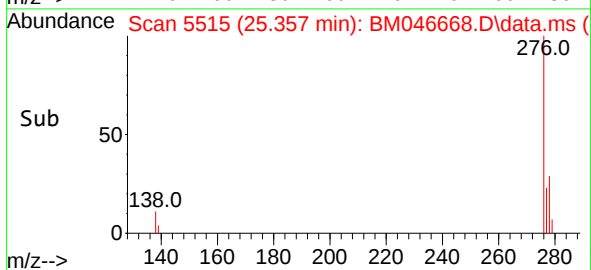
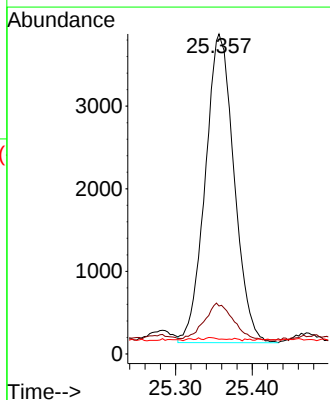
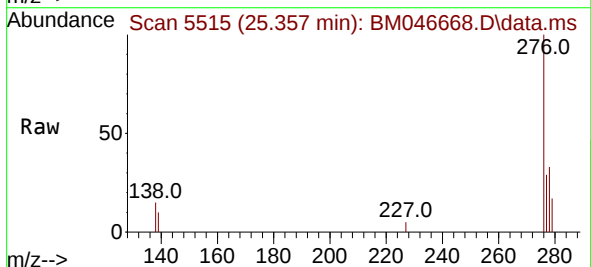
Manual Integrations
APPROVED

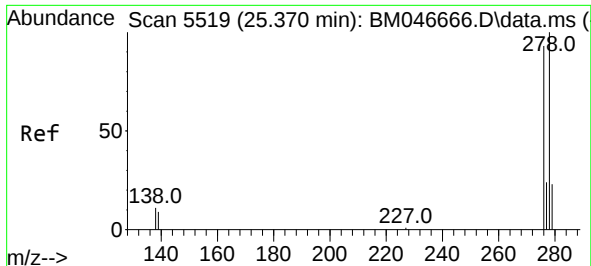
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.187 ng/ul
RT: 25.357 min Scan# 5515
Delta R.T. -0.003 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

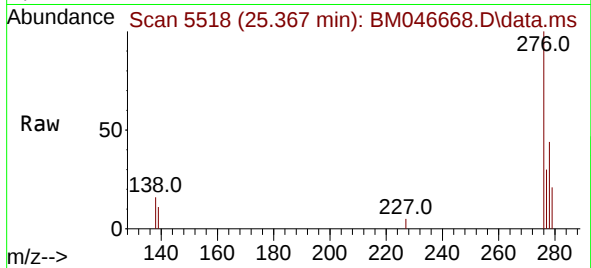
Tgt Ion:276 Resp: 9769
Ion Ratio Lower Upper
276 100
138 11.8 0.0 0.0#
227 0.4 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.098 ng/ul
RT: 25.367 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

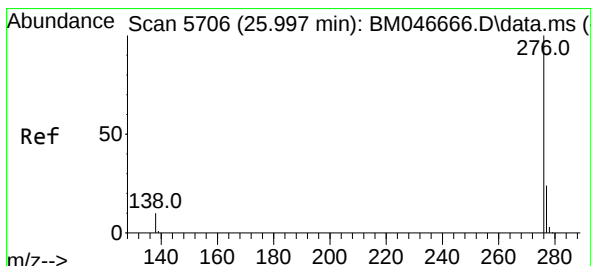
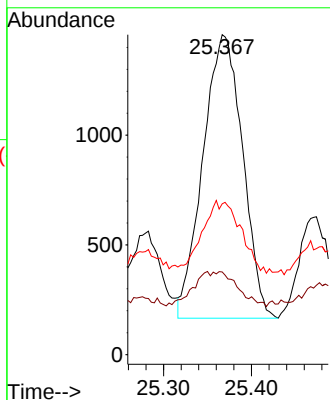
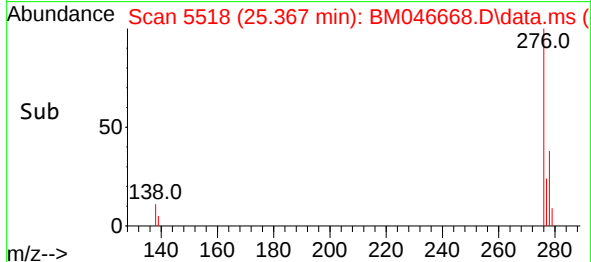
Instrument :
BNA_M
ClientSampleId :
A4BS0DL



Tgt Ion:278 Resp: 404
Ion Ratio Lower Upper
278 100
139 25.9 9.1 13.7
279 47.1 23.2 34.8

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.036 ng/ul
RT: 26.000 min Scan# 5707
Delta R.T. -0.003 min
Lab File: BM046668.D
Acq: 17 Jul 2024 13:53

Tgt Ion:276 Resp: 1506
Ion Ratio Lower Upper
276 100
138 38.9 10.2 15.4#
277 49.7 20.9 31.3#

