

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046079.D
 Acq On : 19 Jun 2024 10:55
 Operator : MA/JU
 Sample : P2696-24DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BM5DL

Manual Integrations
 APPROVED

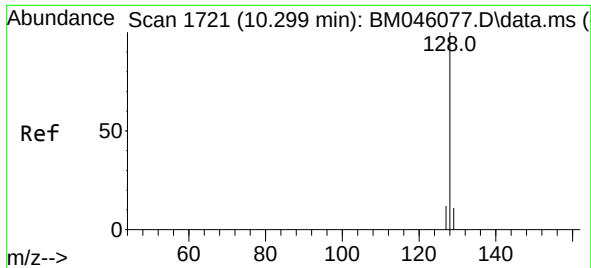
Reviewed By :Jagrut Upadhyay 06/19/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 12:21:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

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

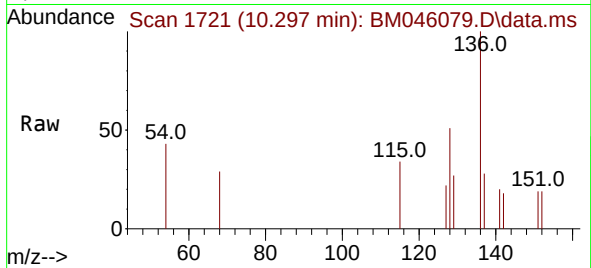
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.442	152	1975	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.248	136	5350	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.098	164	3076	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.836	188	5941	0.400	ng/ul	-0.03
17) Chrysene-d12	21.032	240	4870	0.400	ng/ul	-0.01
23) Perylene-d12	23.128	264	5448m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	2191	0.809	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.898	152	418	0.058	ng/ul	0.03
18) Fluoranthene-d10	18.866	212	921	0.063	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.297	128	310	0.021	ng/ul#	23
10) Acenaphthylene	13.816	152	754	0.052	ng/ul#	72
11) Acenaphthene	14.158	153	311	0.030	ng/ul	95
12) Fluorene	15.153	166	347	0.031	ng/ul#	89
15) Phenanthrene	16.878	178	9003	0.539	ng/ul	98
16) Anthracene	16.971	178	1626	0.131	ng/ul#	85
19) Fluoranthene	18.894	202	22919	1.087	ng/ul	99
20) Pyrene	19.256	202	16548	0.726	ng/ul	100
21) Benzo(a)anthracene	21.018	228	9855	0.524	ng/ul	97
22) Chrysene	21.067	228	10405	0.433	ng/ul	98
24) Benzo(b)fluoranthene	22.511	252	15821m	0.806	ng/ul	
25) Benzo(k)fluoranthene	22.546	252	7504m	0.322	ng/ul	
26) Benzo(a)pyrene	23.037	252	5308	0.292	ng/ul	91
27) Indeno(1,2,3-cd)pyrene	25.189	276	6290	0.211	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.192	278	1980	0.089	ng/ul#	59
29) Benzo(g,h,i)perylene	25.813	276	1088	0.043	ng/ul#	46

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



#5
Naphthalene
Concen: 0.021 ng/u1
RT: 10.297 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

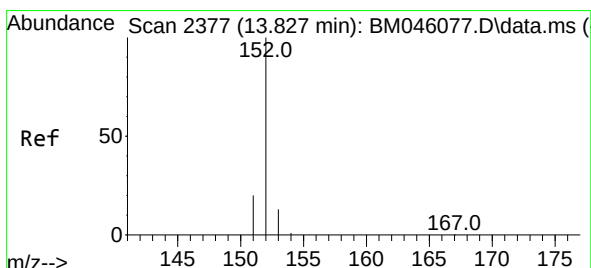
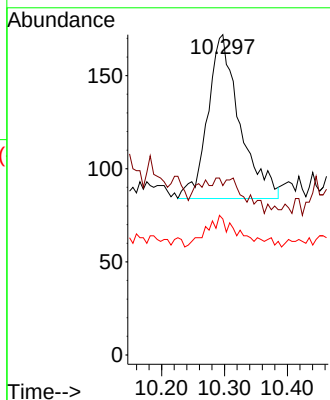
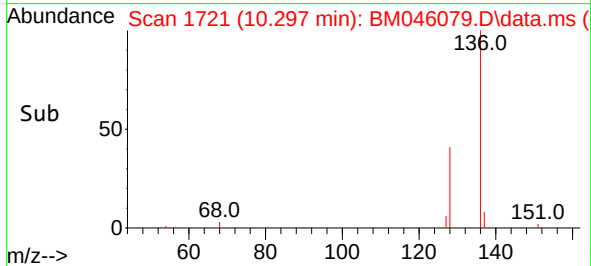
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



Tgt Ion:128 Resp: 310
Ion Ratio Lower Upper
128 100
129 52.9 11.8 17.6
127 42.4 12.8 19.2

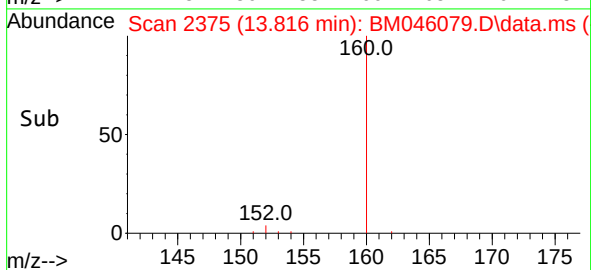
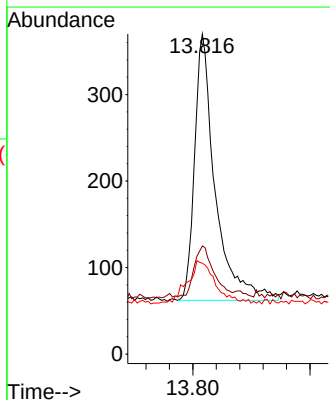
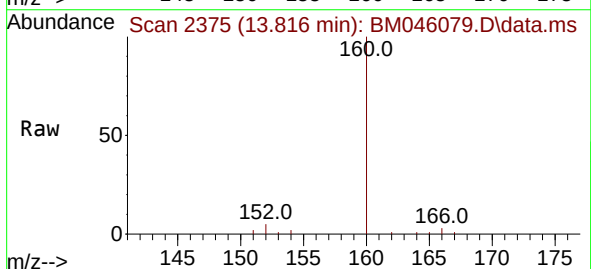
Manual Integrations
APPROVED

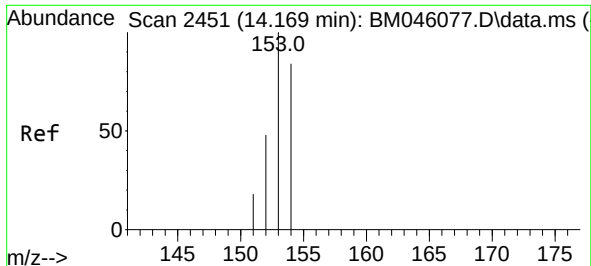
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#10
Acenaphthylene
Concen: 0.052 ng/u1
RT: 13.816 min Scan# 2375
Delta R.T. -0.019 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

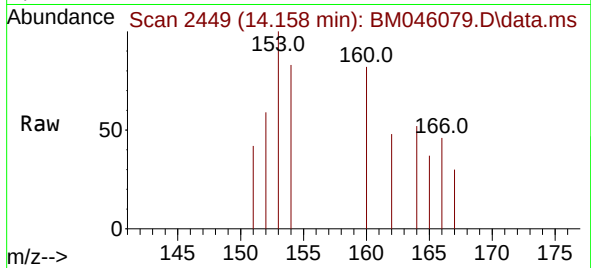
Tgt Ion:152 Resp: 754
Ion Ratio Lower Upper
152 100
151 33.8 17.4 26.2#
153 28.4 11.8 17.8#





#11
Acenaphthene
Concen: 0.030 ng/u1
RT: 14.158 min Scan# 2449
Delta R.T. -0.014 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

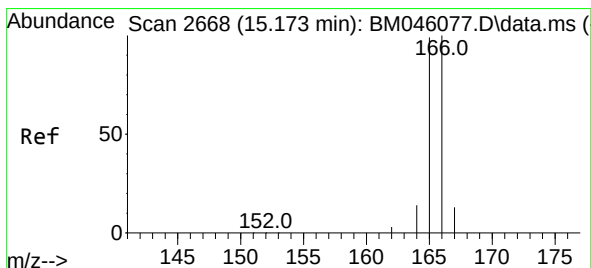
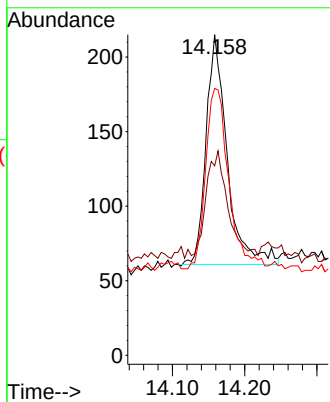
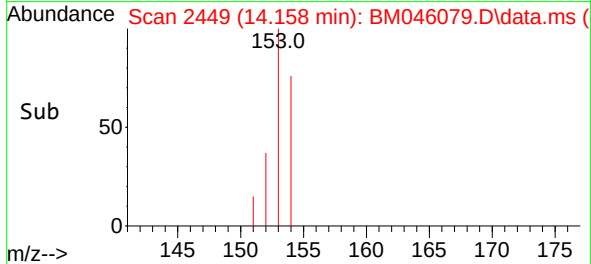
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



Tgt Ion:153 Resp: 311
Ion Ratio Lower Upper
153 100
152 59.1 41.3 61.9
154 83.3 68.2 102.4

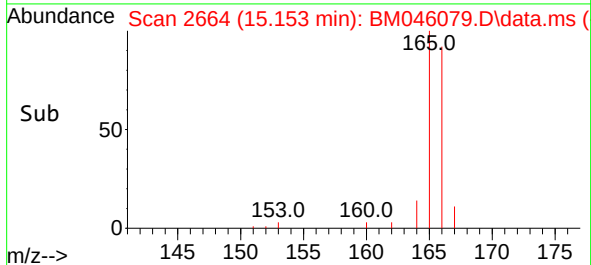
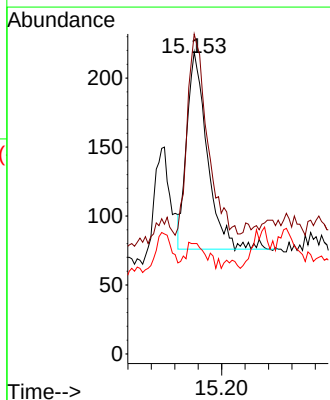
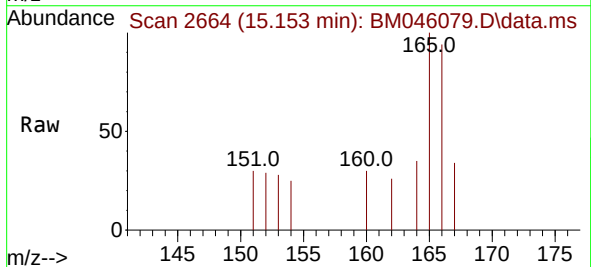
Manual Integrations
APPROVED

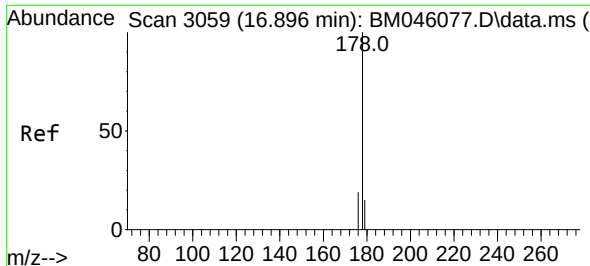
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#12
Fluorene
Concen: 0.031 ng/u1
RT: 15.153 min Scan# 2664
Delta R.T. -0.028 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

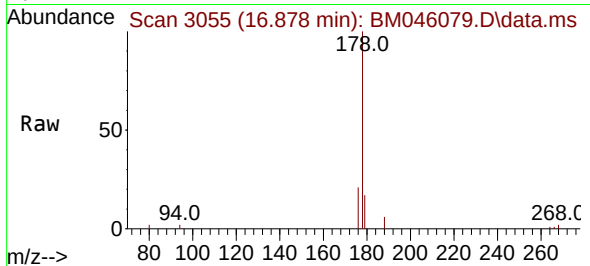
Tgt Ion:166 Resp: 347
Ion Ratio Lower Upper
166 100
165 105.9 80.4 120.6
167 36.5 12.4 18.6#





#15
Phenanthrene
Concen: 0.539 ng/ul
RT: 16.878 min Scan# 3055
Delta R.T. -0.025 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

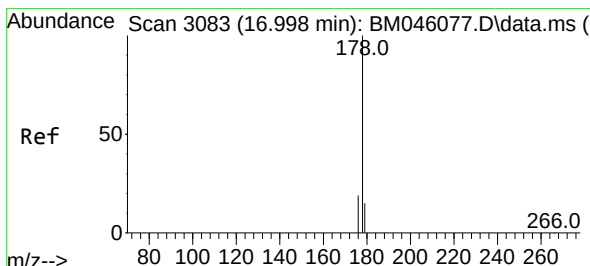
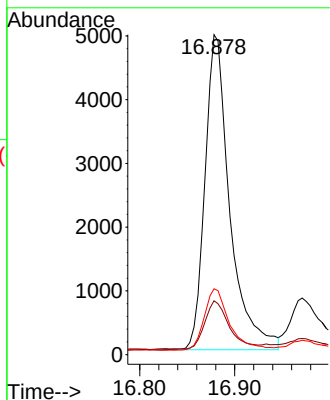
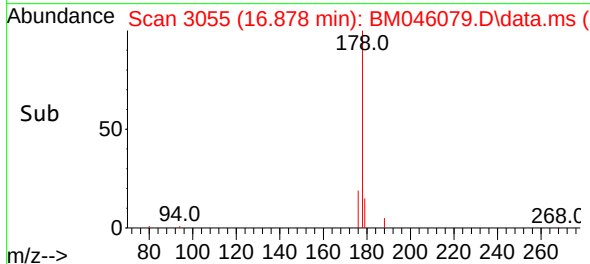
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



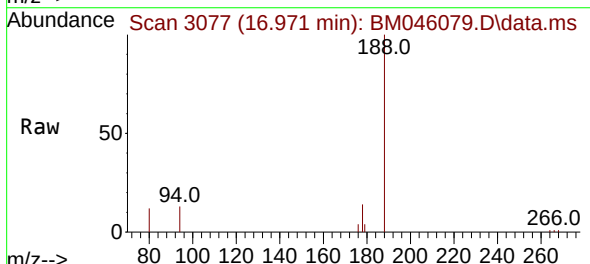
Tgt Ion:178 Resp: 900
Ion Ratio Lower Upper
178 100
179 16.9 14.2 21.2
176 20.6 17.1 25.7

Manual Integrations
APPROVED

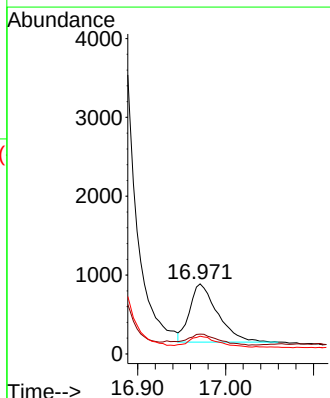
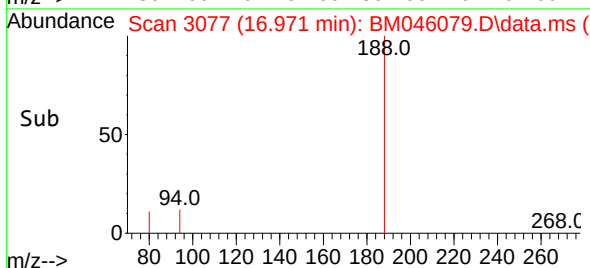
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024

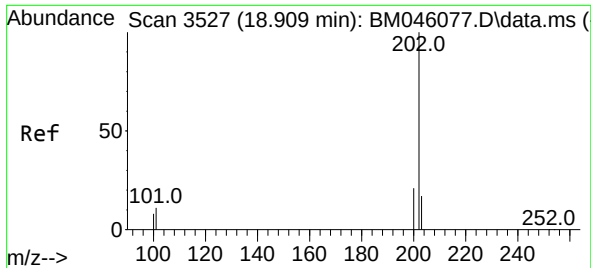


#16
Anthracene
Concen: 0.131 ng/ul
RT: 16.971 min Scan# 3077
Delta R.T. -0.034 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55



Tgt Ion:178 Resp: 1626
Ion Ratio Lower Upper
178 100
179 28.4 14.9 22.3#
176 25.5 17.0 25.4#





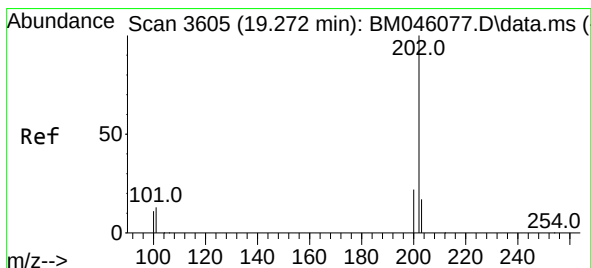
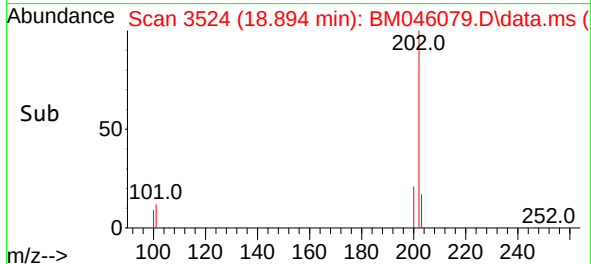
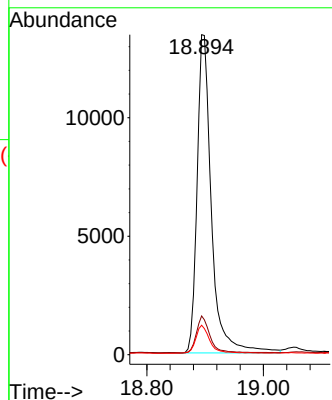
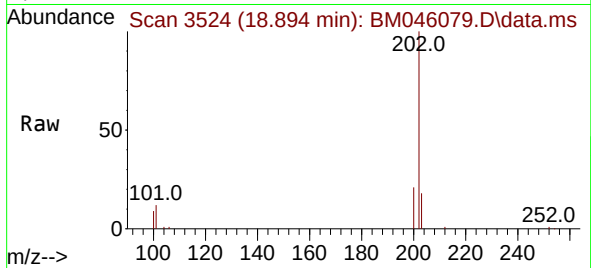
#19
Fluoranthene
Concen: 1.087 ng/ul
RT: 18.894 min Scan# 3527
Delta R.T. -0.023 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

Instrument :
BNA_M
ClientSampleId :
A4BM5DL

Tgt Ion:202 Resp: 22919
Ion Ratio Lower Upper
202 100
101 12.1 9.6 14.4
100 9.2 7.6 11.4

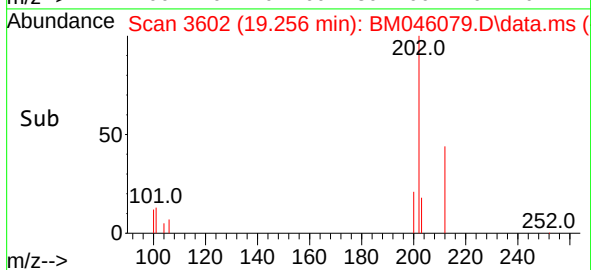
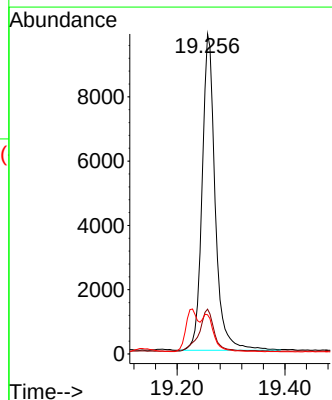
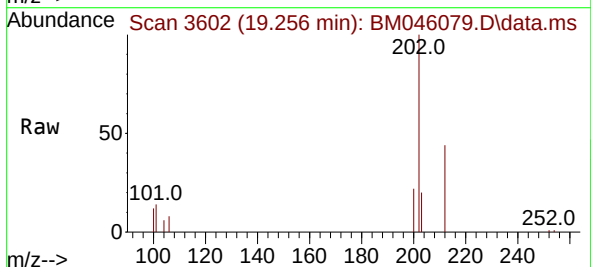
Manual Integrations
APPROVED

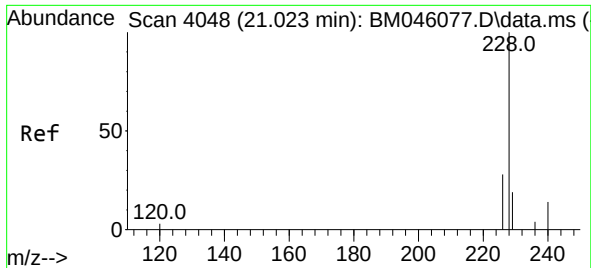
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#20
Pyrene
Concen: 0.726 ng/ul
RT: 19.256 min Scan# 3602
Delta R.T. -0.019 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

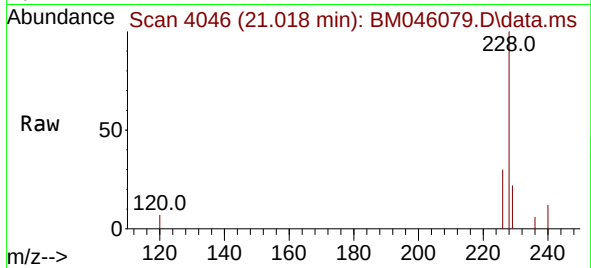
Tgt Ion:202 Resp: 16548
Ion Ratio Lower Upper
202 100
101 14.0 11.3 16.9
100 12.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.524 ng/u1
RT: 21.018 min Scan# 4048
Delta R.T. -0.012 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

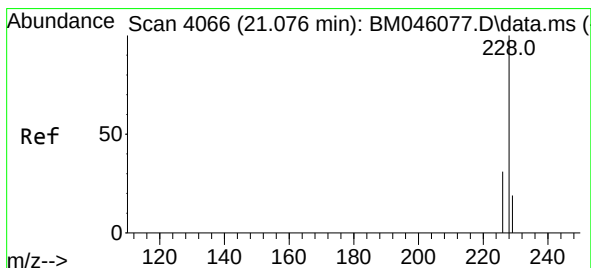
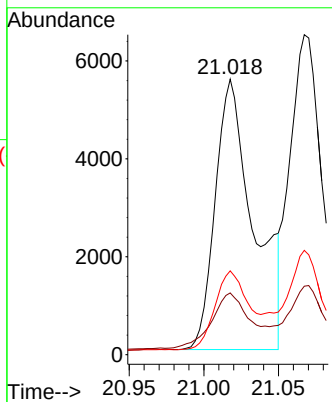
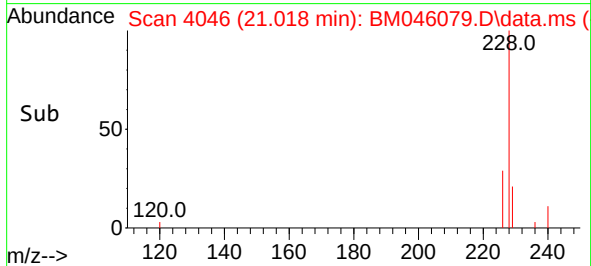
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



Tgt Ion:228 Resp: 985
Ion Ratio Lower Upper
228 100
229 22.4 16.4 24.6
226 30.4 23.4 35.2

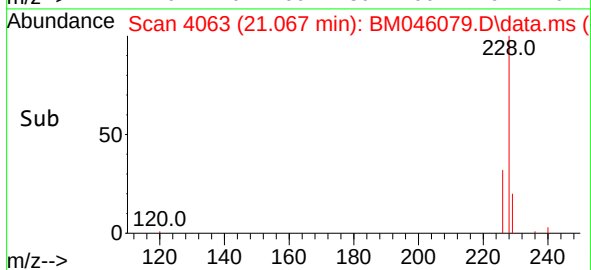
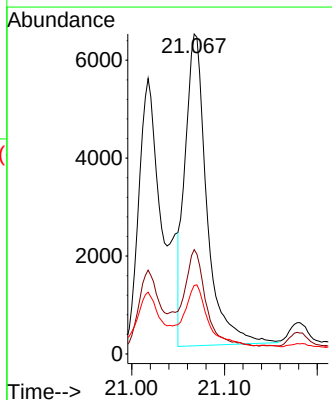
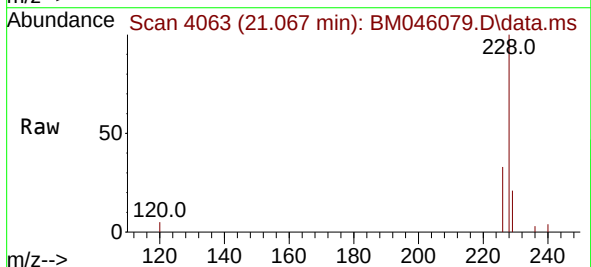
Manual Integrations
APPROVED

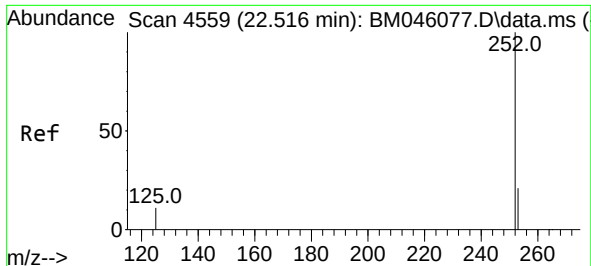
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#22
Chrysene
Concen: 0.433 ng/u1
RT: 21.067 min Scan# 4063
Delta R.T. -0.009 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

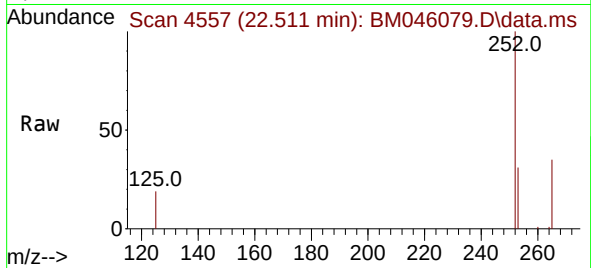
Tgt Ion:228 Resp: 10405
Ion Ratio Lower Upper
228 100
226 32.6 25.2 37.8
229 21.4 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 0.806 ng/ul m
RT: 22.511 min Scan# 4557
Delta R.T. -0.009 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

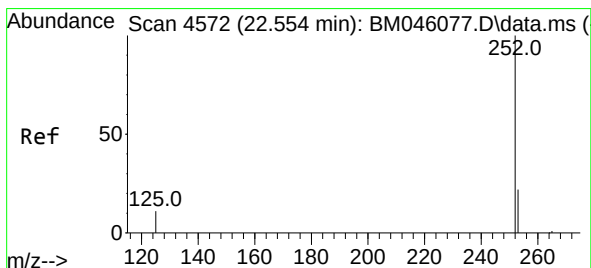
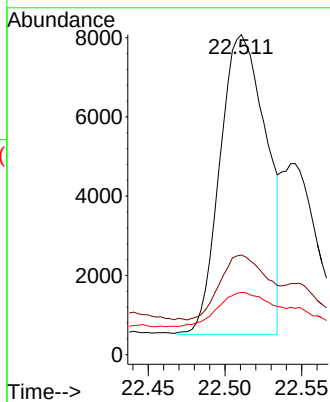
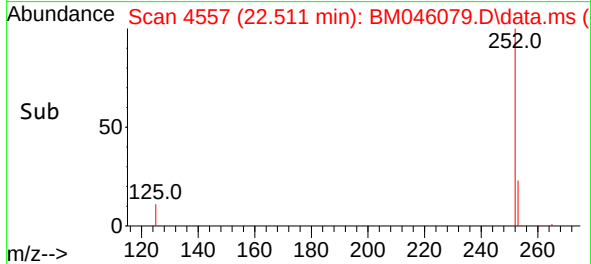
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



Tgt Ion:252 Resp: 1582
Ion Ratio Lower Upper
252 100
253 31.2 0.0 65.8
125 19.4 0.0 40.2

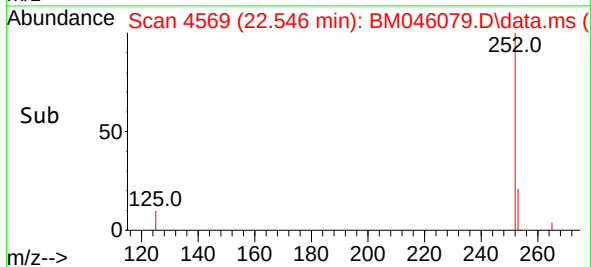
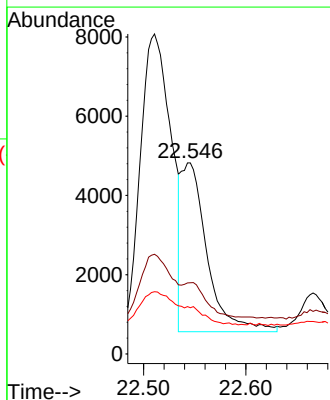
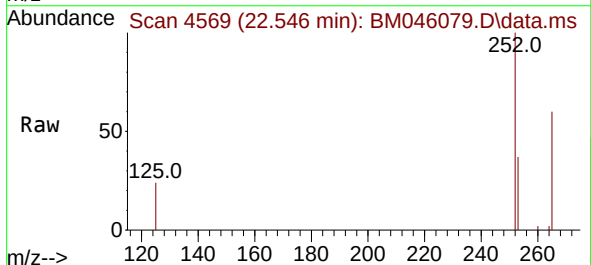
Manual Integrations
APPROVED

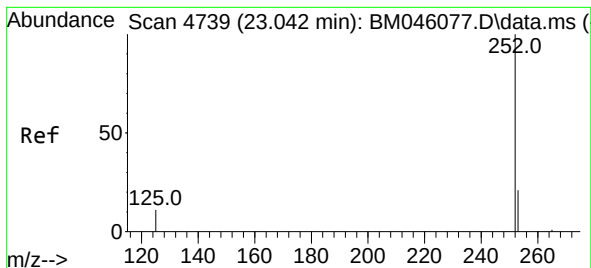
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#25
Benzo(k)fluoranthene
Concen: 0.322 ng/ul m
RT: 22.546 min Scan# 4569
Delta R.T. -0.018 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

Tgt Ion:252 Resp: 7504
Ion Ratio Lower Upper
252 100
253 37.3 27.2 40.8
125 24.2 16.6 25.0





#26

Benzo(a)pyrene

Concen: 0.292 ng/ul

RT: 23.037 min Scan# 4737

Delta R.T. -0.018 min

Lab File: BM046079.D

Acq: 19 Jun 2024 10:55

Instrument :

BNA_M

ClientSampleId :

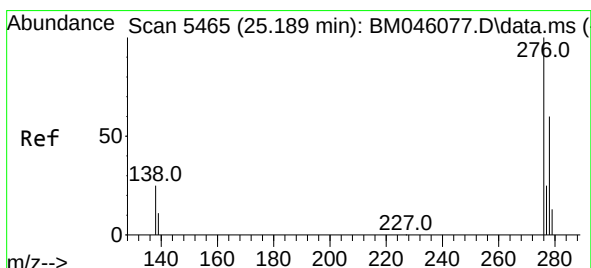
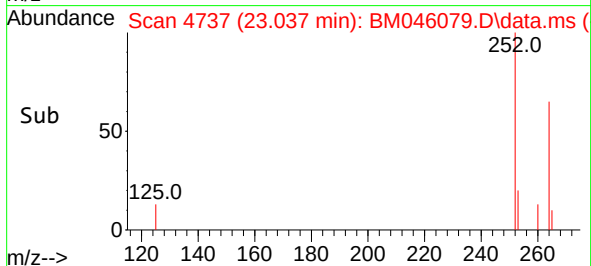
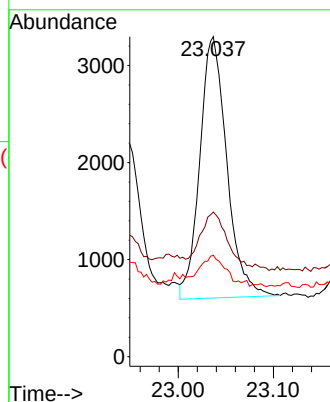
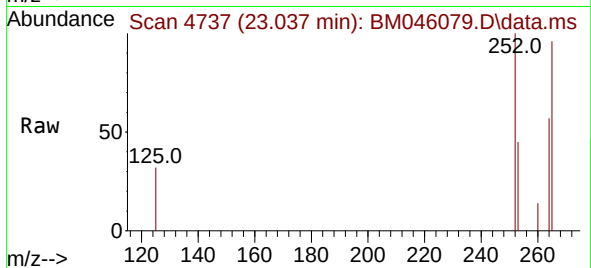
A4BM5DL

Tgt Ion:	252	Resp:	5308
Ion Ratio	Lower	Upper	
252	100		
253	45.2	32.1	48.1
125	31.7	21.2	31.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.211 ng/ul

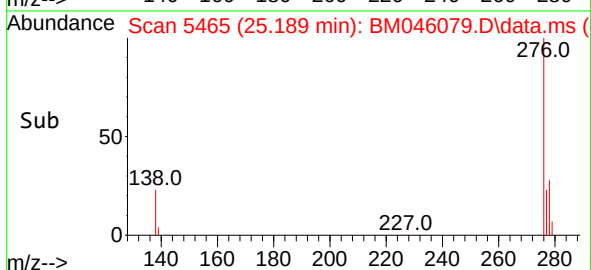
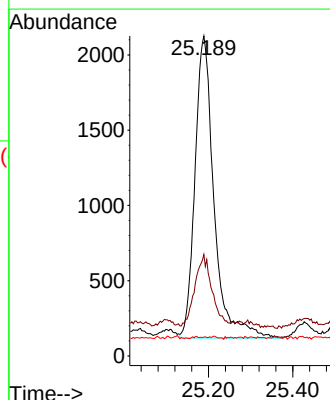
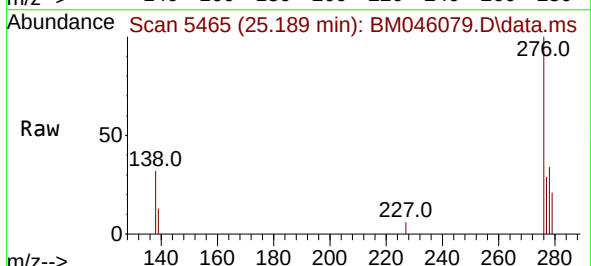
RT: 25.189 min Scan# 5465

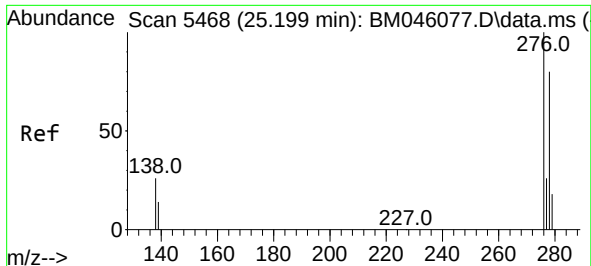
Delta R.T. -0.013 min

Lab File: BM046079.D

Acq: 19 Jun 2024 10:55

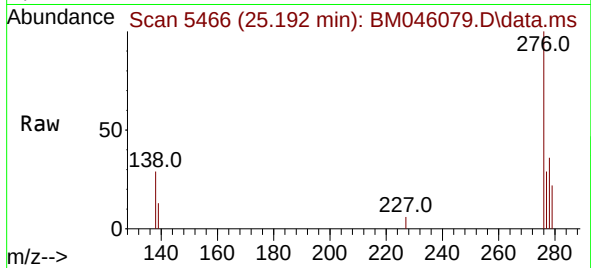
Tgt Ion:	276	Resp:	6290
Ion Ratio	Lower	Upper	
276	100		
138	21.9	21.0	31.4
227	0.0	0.0	0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.089 ng/ul
RT: 25.192 min Scan# 5466
Delta R.T. -0.023 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55

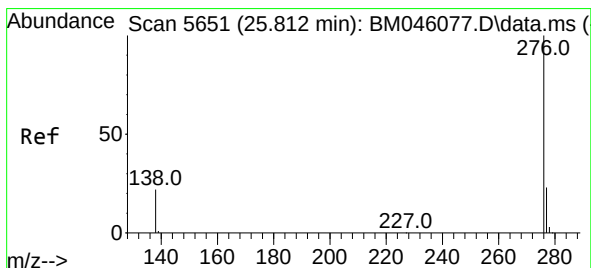
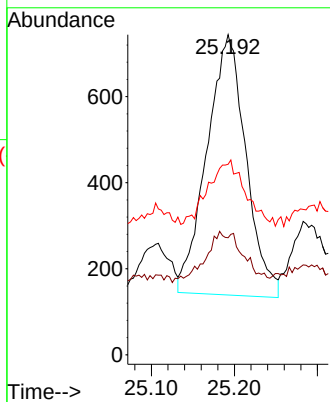
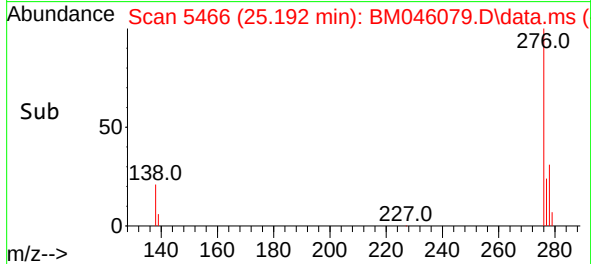
Instrument :
BNA_M
ClientSampleId :
A4BM5DL



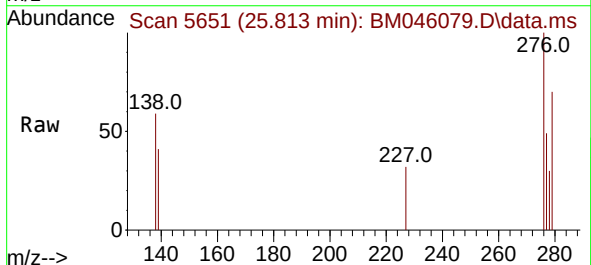
Tgt Ion:278 Resp: 1980
Ion Ratio Lower Upper
278 100
139 36.6 17.6 26.4#
279 59.5 26.3 39.5#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#29
Benzo(g,h,i)perylene
Concen: 0.043 ng/ul
RT: 25.813 min Scan# 5651
Delta R.T. -0.017 min
Lab File: BM046079.D
Acq: 19 Jun 2024 10:55



Tgt Ion:276 Resp: 1088
Ion Ratio Lower Upper
276 100
138 58.6 21.7 32.5#
277 49.1 20.4 30.6#

