

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046024.D
 Acq On : 13 Jun 2024 15:18
 Operator : MA/JU
 Sample : P2648-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHBW2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 16:39:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	123279	20.000	ng/u1	0.00
20) Naphthalene-d8	10.204	136	500153	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	305502	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.827	188	605286	20.000	ng/u1	0.00
79) Chrysene-d12	21.045	240	581255	20.000	ng/u1	0.00
88) Perylene-d12	23.750	264	669591	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	12551	3.947	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.693	99	260325	24.857	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.804	67	186578	24.810	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	211316	27.012	ng/u1	0.00
15) 4-Methylphenol-d8	8.210	113	192154	24.286	ng/u1	0.00
21) Nitrobenzene-d5	8.604	128	104032	26.603	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	114300	28.880	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	193624	26.089	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	93855m	9.137	ng/u1	0.01
46) Dimethylphthalate-d6	13.527	166	575064	27.190	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	664554	27.059	ng/u1	0.00
54) 4-Nitrophenol-d4	14.392	143	68395	14.984	ng/u1	0.01
60) Fluorene-d10	15.080	176	498991	27.656	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.233	200	52110	16.859	ng/u1	0.01
73) Anthracene-d10	16.927	188	734552	27.916	ng/u1	0.00
81) Pyrene-d10	19.227	212	755657	20.905	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.568	264	584017	18.662	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.287	105	18637	1.413	ng/u1	88
30) Naphthalene	10.251	128	44989	1.687	ng/u1#	96
36) 2-Methylnaphthalene	11.880	142	18612	1.054	ng/u1	100
50) Acenaphthylene	13.804	152	78637	2.766	ng/u1	99
52) Acenaphthene	14.145	153	29523	1.556	ng/u1	95
61) Fluorene	15.133	166	30010	1.456	ng/u1#	98
72) Phenanthrene	16.868	178	662414	20.770	ng/u1	99
74) Anthracene	16.962	178	136547	4.286	ng/u1	97
77) Carbazole	17.251	167	66707	2.454	ng/u1	97
78) Di-n-butylphthalate	17.815	149	57806	1.617	ng/u1#	93
80) Fluoranthene	18.892	202	1510908	34.479	ng/u1	99
82) Pyrene	19.256	202	1139220	25.303	ng/u1	99
83) Butylbenzylphthalate	20.186	149	55678	3.034	ng/u1	94
85) Benzo(a)anthracene	21.027	228	703034	17.517	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	20.974	149	350032	12.839	ng/u1	99
87) Chrysene	21.086	228	761428	20.508	ng/u1	98
90) Benzo(b)fluoranthene	22.909	252	1069685	25.995	ng/u1	99
91) Benzo(k)fluoranthene	22.956	252	344275m	8.566	ng/u1	
93) Benzo(a)pyrene	23.621	252	411717	11.386	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.738	276	391216	9.907	ng/u1	99
95) Dibenzo(a,h)anthracene	26.774	278	130316	4.173	ng/u1	93
96) Benzo(g,h,i)perylene	27.662	276	55327	1.591	ng/u1#	85

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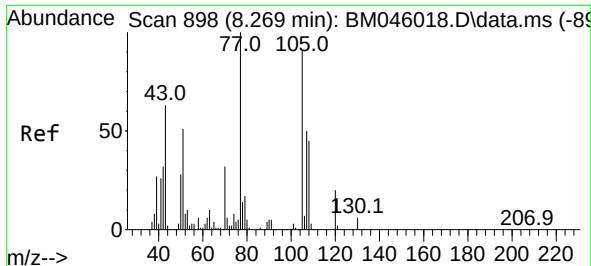
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 16:39:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 16:01:34 2024
Response via : Initial Calibration

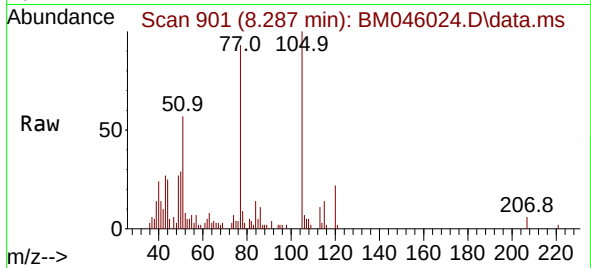
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#16
Acetophenone
Concen: 1.413 ng/ul
RT: 8.287 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

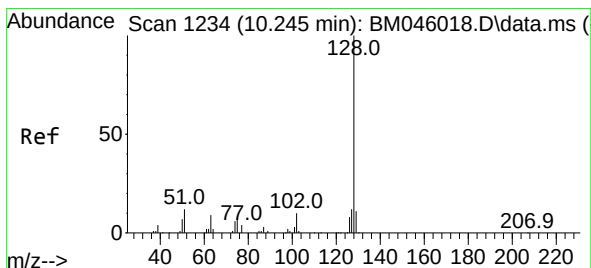
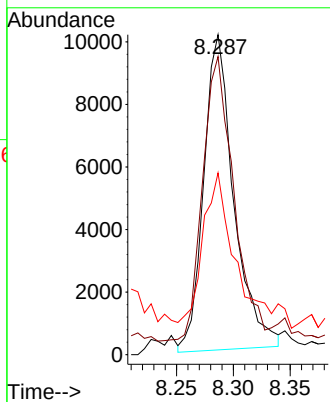
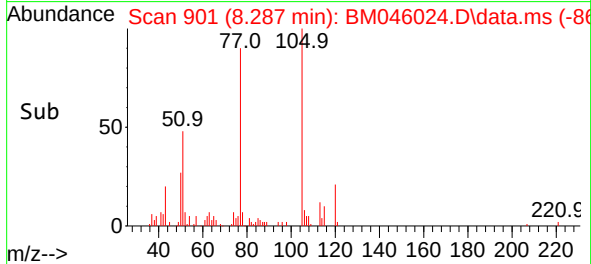
Instrument :
BNA_M
ClientSampleId :
BHBW2



Tgt Ion:105 Resp: 1863
Ion Ratio Lower Upper
105 100
77 93.1 84.7 127.1
51 56.8 39.4 59.0

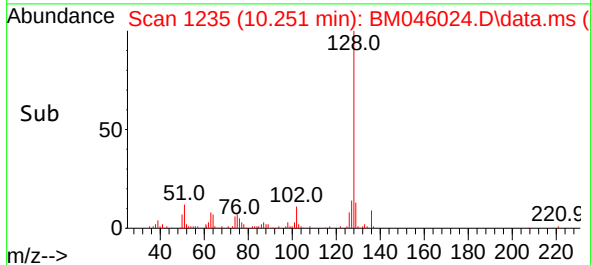
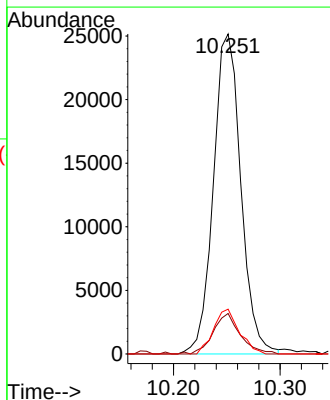
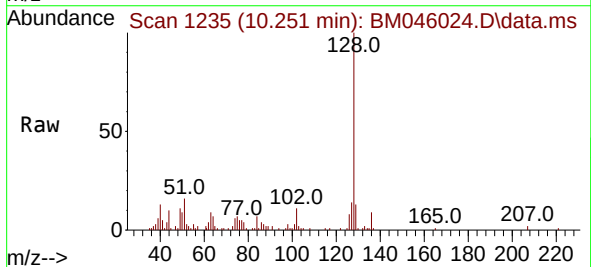
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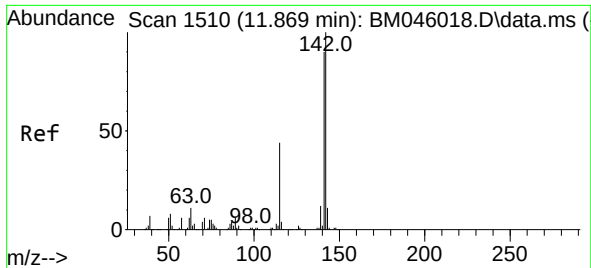
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#30
Naphthalene
Concen: 1.687 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

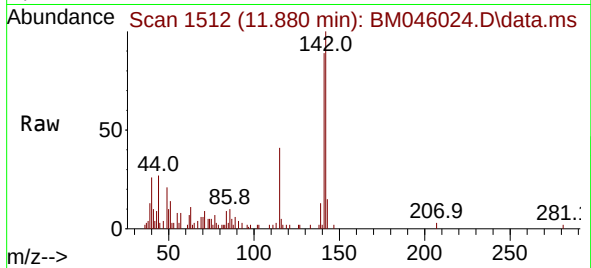
Tgt Ion:128 Resp: 44989
Ion Ratio Lower Upper
128 100
129 12.7 8.3 12.5#
127 14.0 10.3 15.5





#36
2-Methylnaphthalene
Concen: 1.054 ng/ul
RT: 11.880 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

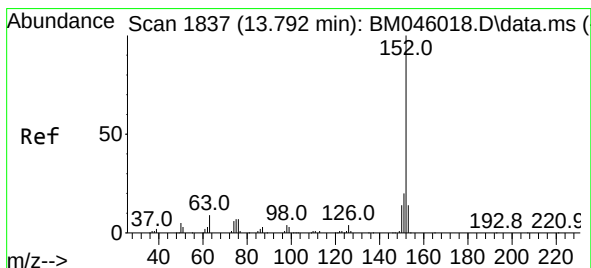
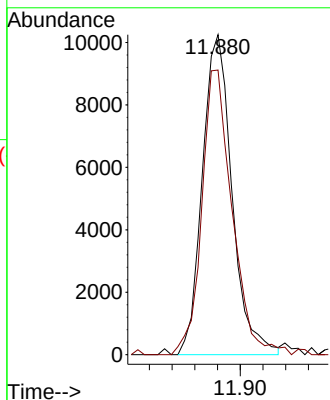
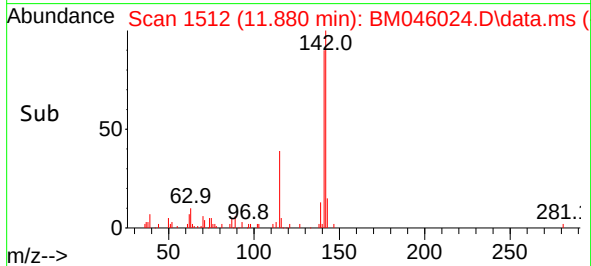
Instrument :
BNA_M
ClientSampleId :
BHBW2



Tgt Ion:142 Resp: 1861
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7

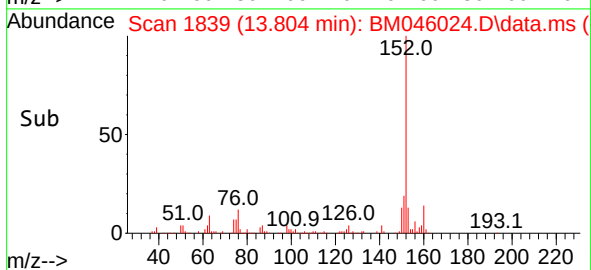
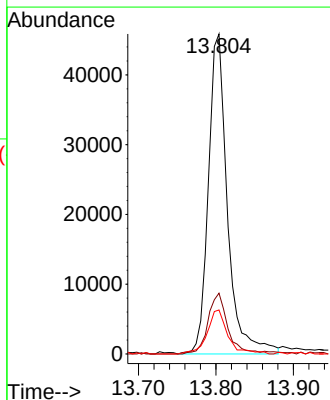
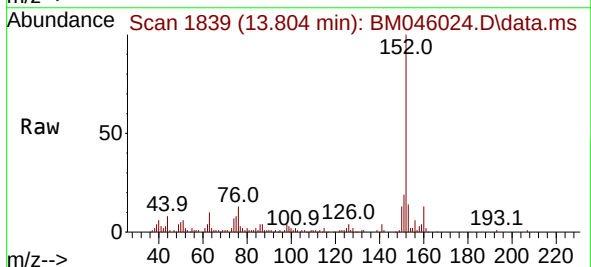
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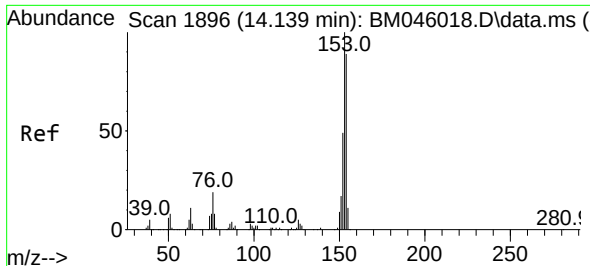
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#50
Acenaphthylene
Concen: 2.766 ng/ul
RT: 13.804 min Scan# 1839
Delta R.T. 0.006 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

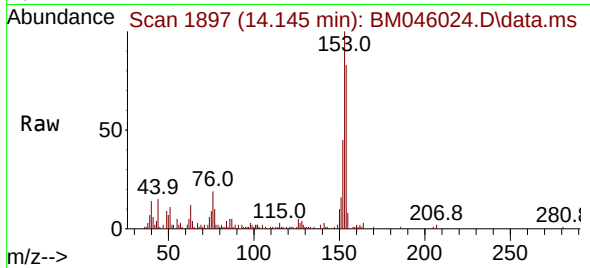
Tgt Ion:152 Resp: 78637
Ion Ratio Lower Upper
152 100
151 19.0 15.6 23.4
153 13.7 10.4 15.6





#52
Acenaphthene
Concen: 1.556 ng/ul
RT: 14.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

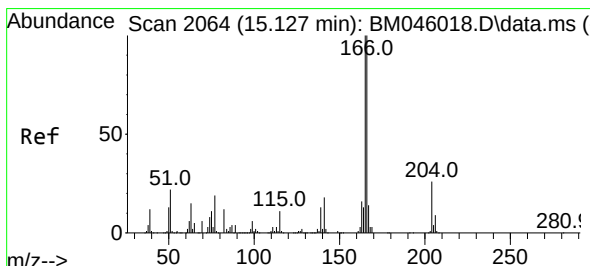
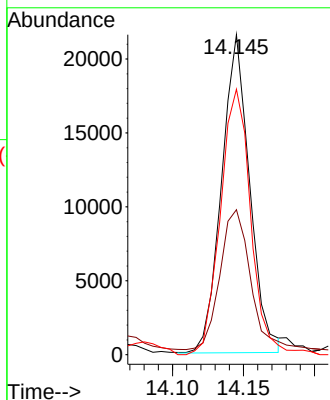
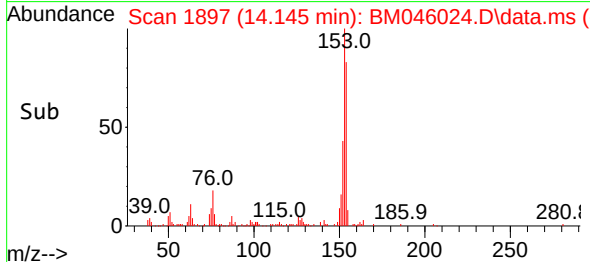
Instrument :
BNA_M
ClientSampleId :
BHBW2



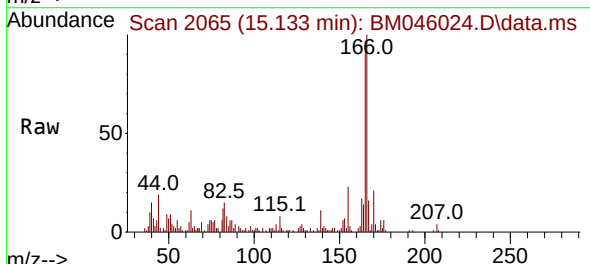
Tgt Ion:153 Resp: 2952
Ion Ratio Lower Upper
153 100
152 45.3 38.6 58.0
154 83.0 70.7 106.1

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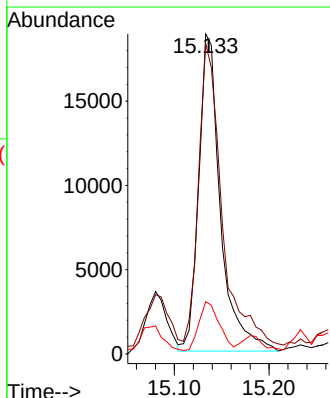
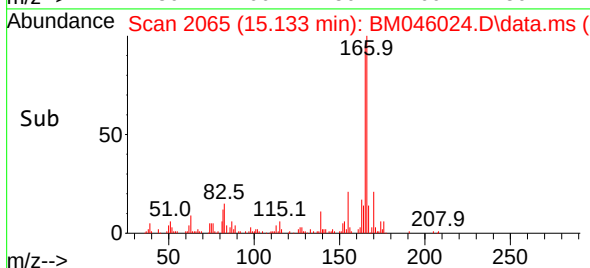
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

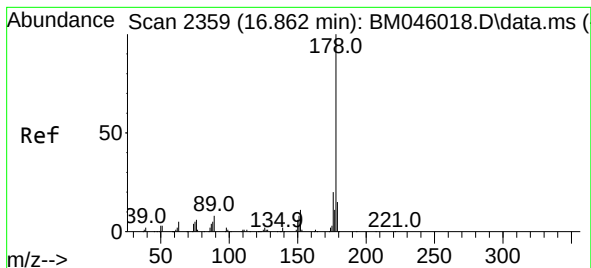


#61
Fluorene
Concen: 1.456 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18



Tgt Ion:166 Resp: 30010
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 16.4 10.6 16.0#





#72

Phenanthrene

Concen: 20.770 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Instrument :

BNA_M

ClientSampleId :

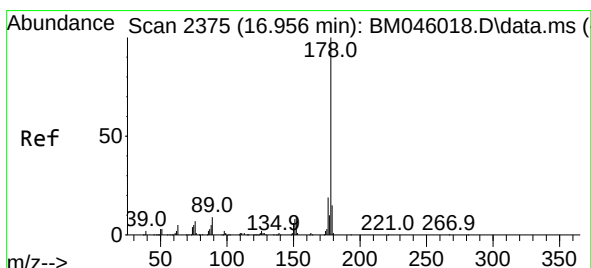
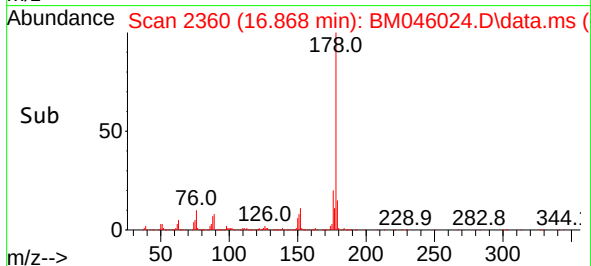
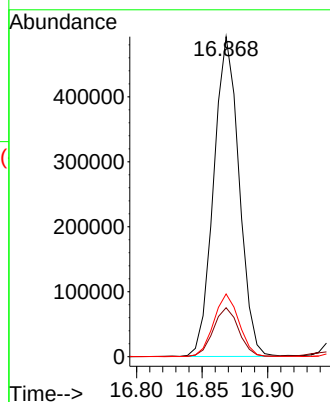
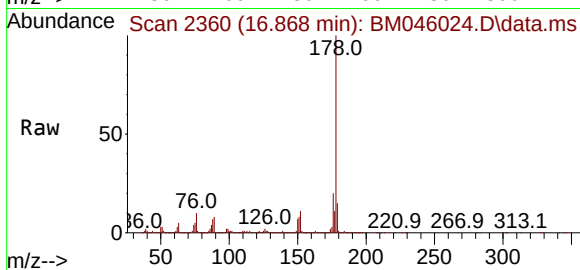
BHBW2

Tgt Ion:	178	Resp:	662414
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.4	18.6
176	19.6	15.3	22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#74

Anthracene

Concen: 4.286 ng/ul

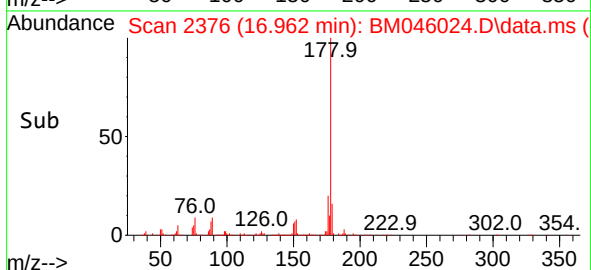
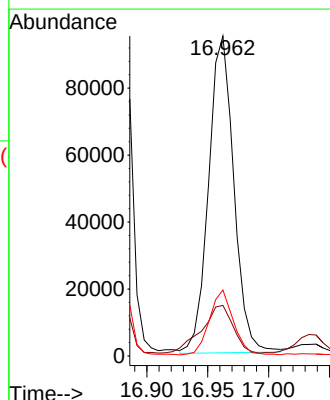
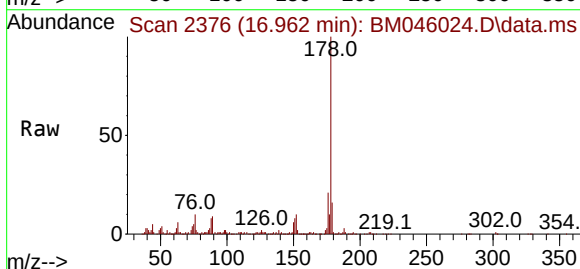
RT: 16.962 min Scan# 2376

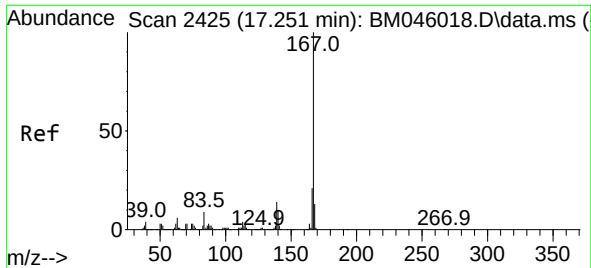
Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

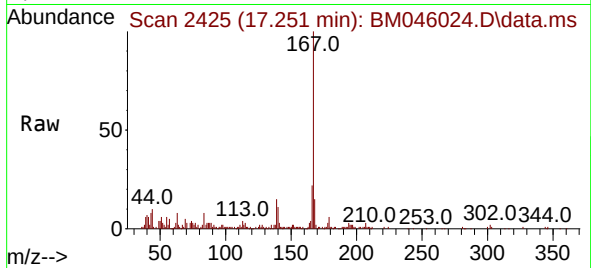
Tgt Ion:	178	Resp:	136547
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.0	18.0
176	20.6	15.0	22.6





#77
 Carbazole
 Concen: 2.454 ng/ul
 RT: 17.251 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM046024.D
 Acq: 13 Jun 2024 15:18

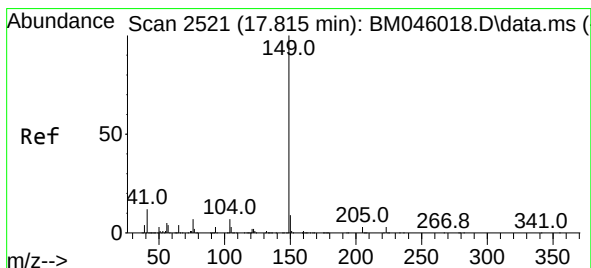
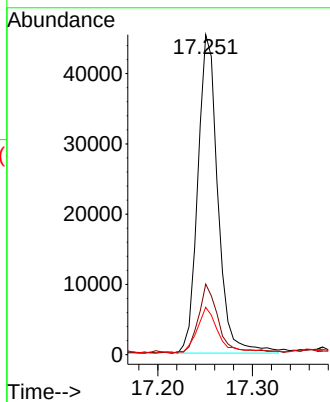
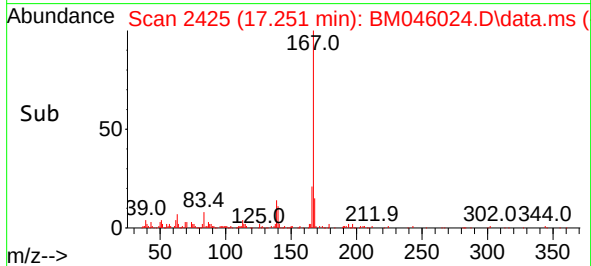
Instrument :
 BNA_M
 ClientSampleId :
 BHBW2



Tgt Ion:167 Resp: 6670
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.6 24.8
 139 14.8 10.6 16.0

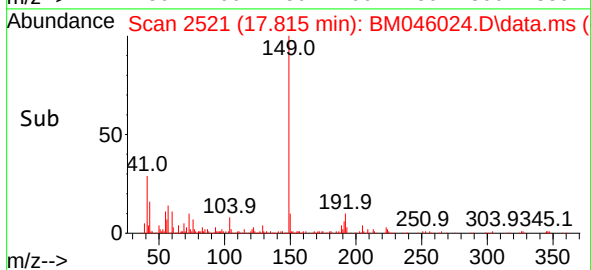
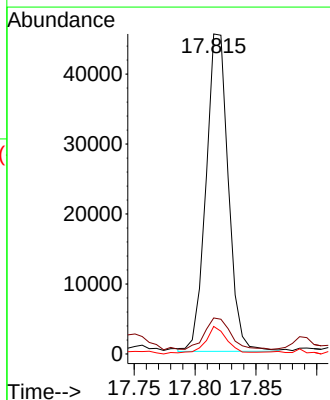
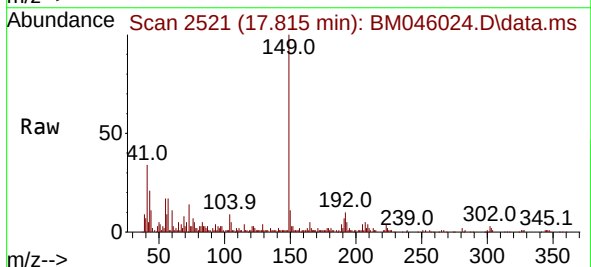
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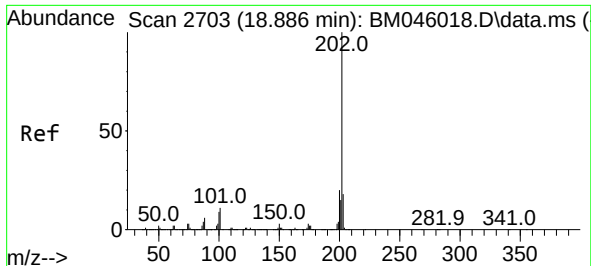
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



#78
 Di-n-butylphthalate
 Concen: 1.617 ng/ul
 RT: 17.815 min Scan# 2521
 Delta R.T. -0.006 min
 Lab File: BM046024.D
 Acq: 13 Jun 2024 15:18

Tgt Ion:149 Resp: 57806
 Ion Ratio Lower Upper
 149 100
 150 11.3 7.1 10.7#
 104 8.6 4.9 7.3#





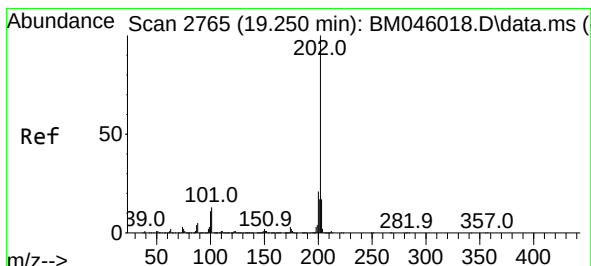
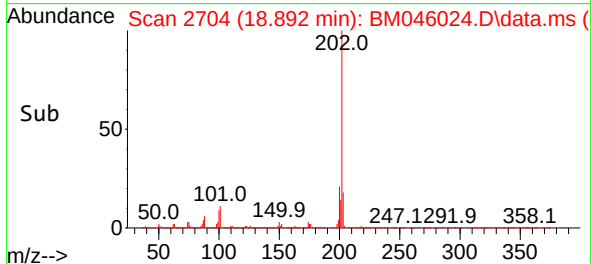
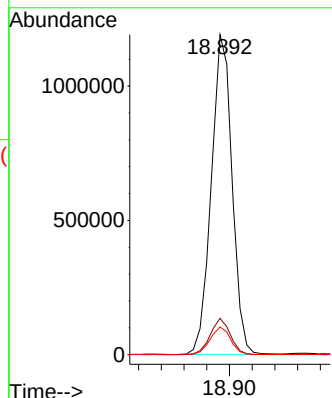
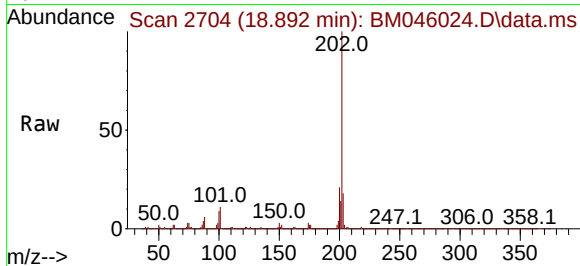
#80
Fluoranthene
Concen: 34.479 ng/u1
RT: 18.892 min Scan# 2703
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

Instrument :
BNA_M
ClientSampleId :
BHBW2

Tgt Ion:202 Resp: 1510908
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
100 8.7 6.6 10.0

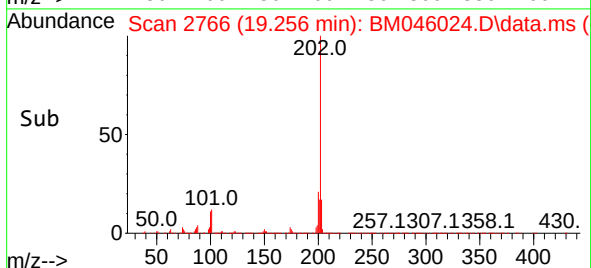
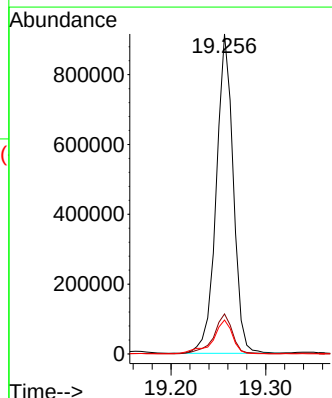
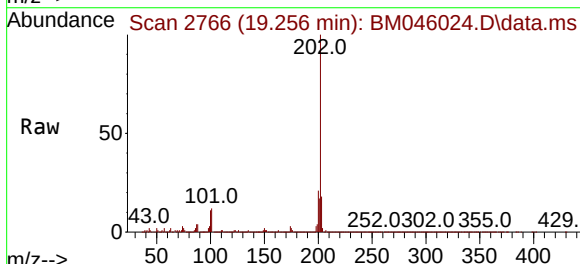
Manual Integrations
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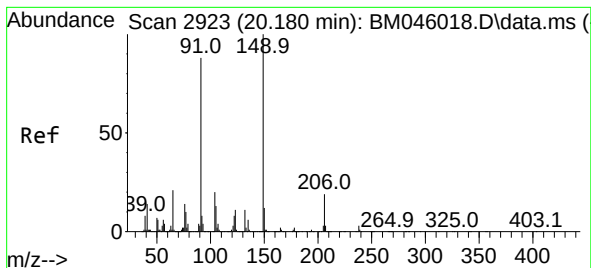
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#82
Pyrene
Concen: 25.303 ng/u1
RT: 19.256 min Scan# 2766
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

Tgt Ion:202 Resp: 1139220
Ion Ratio Lower Upper
202 100
101 12.5 10.5 15.7
100 10.6 8.6 12.8





#83

Butylbenzylphthalate

Concen: 3.034 ng/ul

RT: 20.186 min Scan# 2923

Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Instrument :

BNA_M

ClientSampleId :

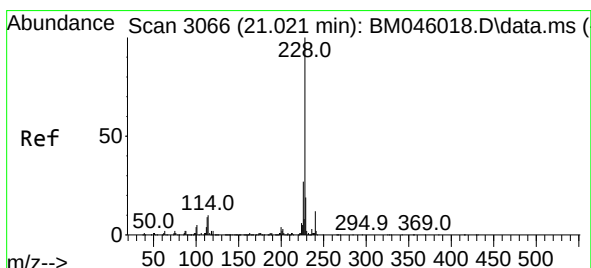
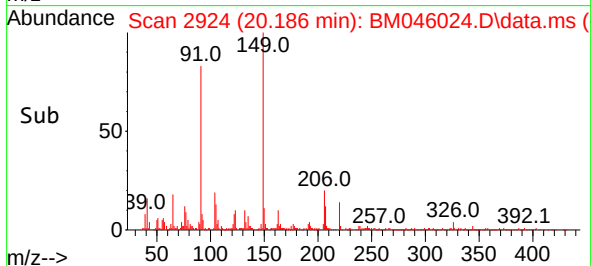
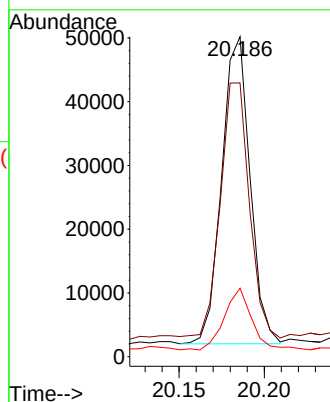
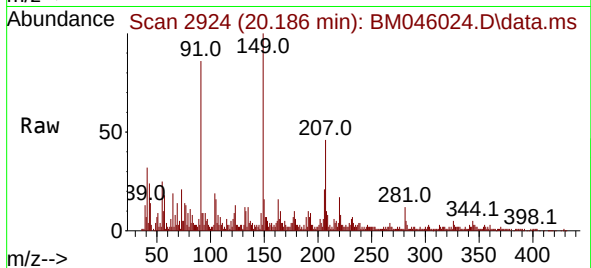
BHBW2

Tgt Ion:	149	Resp:	55678
Ion Ratio	Lower	Upper	
149	100		
91	85.5	63.7	95.5
206	21.4	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#85

Benzo(a)anthracene

Concen: 17.517 ng/ul

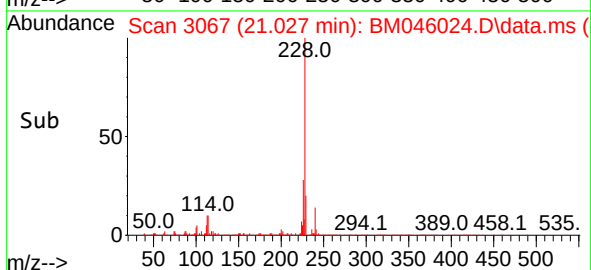
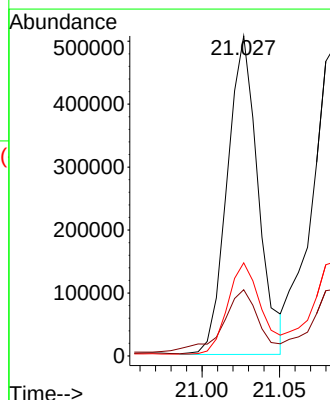
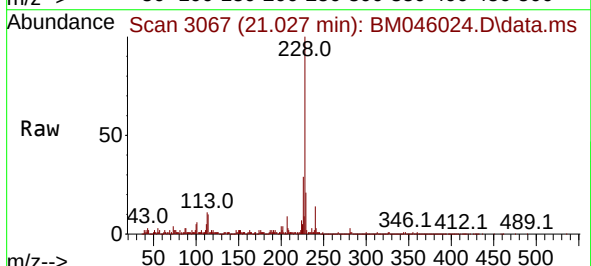
RT: 21.027 min Scan# 3067

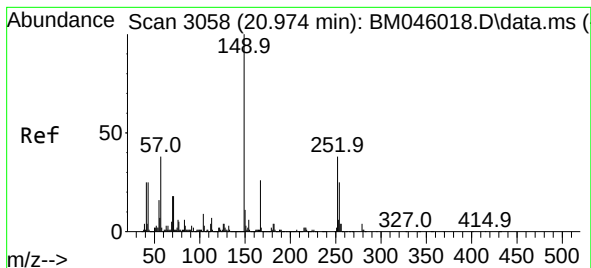
Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

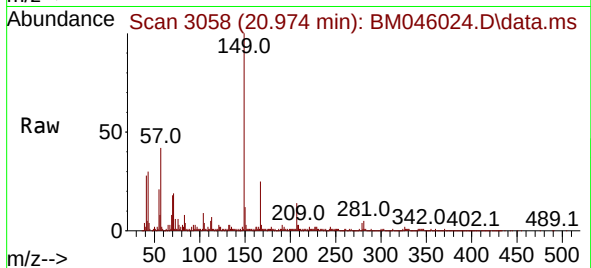
Tgt Ion:	228	Resp:	703034
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.8	23.8
226	29.1	21.4	32.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 12.839 ng/ul
RT: 20.974 min Scan# 3058
Delta R.T. -0.006 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

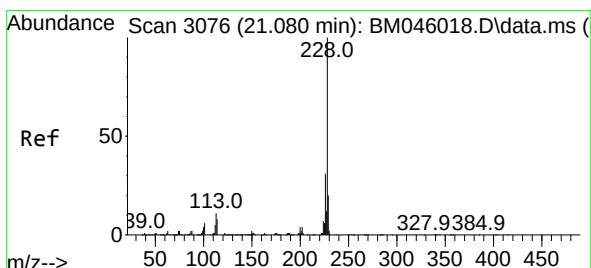
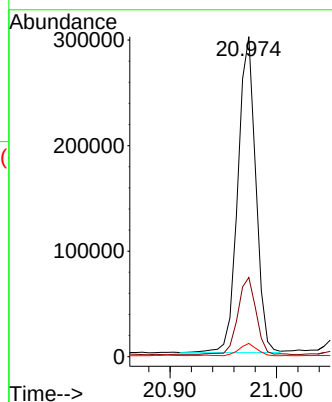
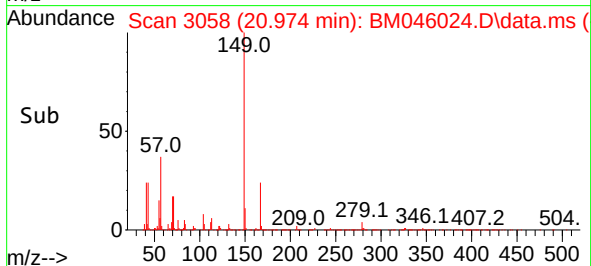
Instrument :
BNA_M
ClientSampleId :
BHBW2



Tgt Ion:149 Resp: 350032
Ion Ratio Lower Upper
149 100
167 24.7 20.4 30.6
279 4.1 3.1 4.7

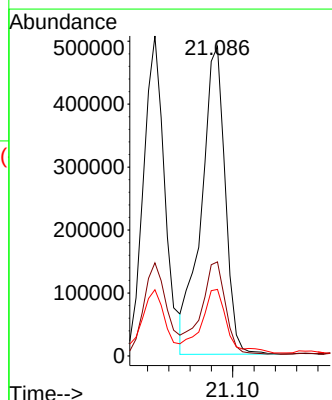
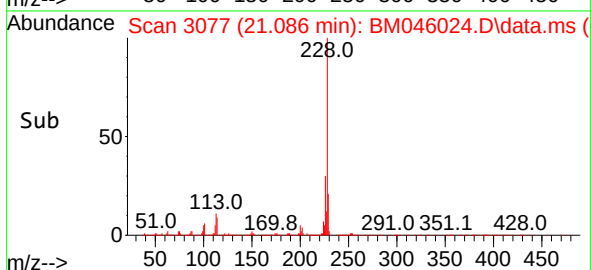
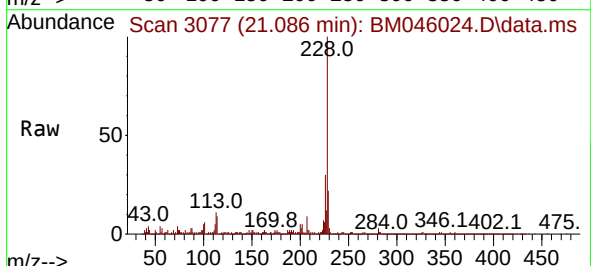
Manual Integrations
APPROVED

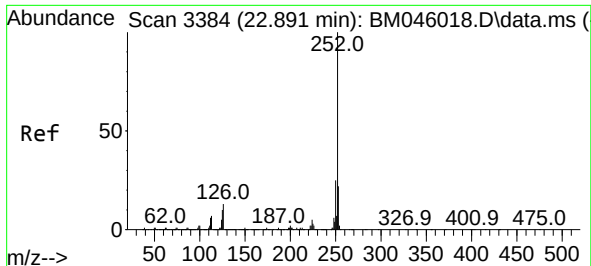
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#87
Chrysene
Concen: 20.508 ng/ul
RT: 21.086 min Scan# 3077
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

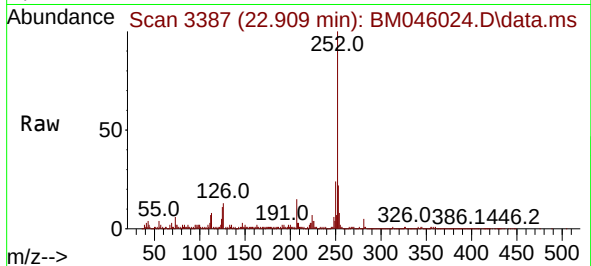
Tgt Ion:228 Resp: 761428
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.5 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 25.995 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18

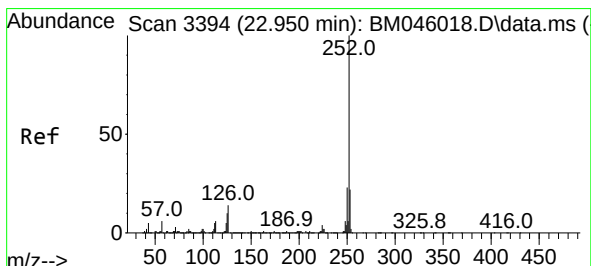
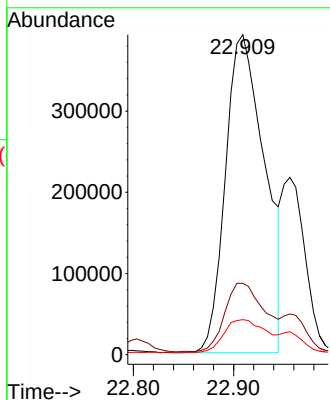
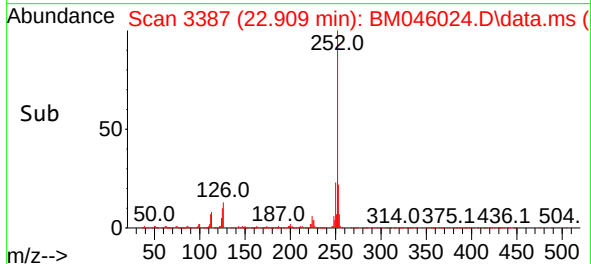
Instrument :
BNA_M
ClientSampleId :
BHBW2



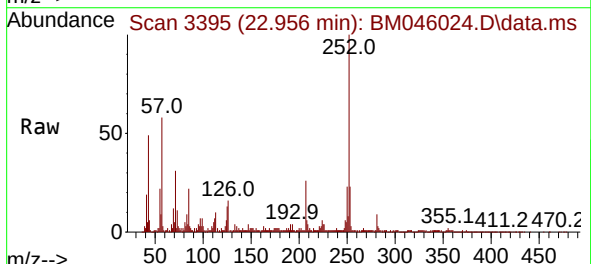
Tgt Ion:252 Resp: 106968
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 11.0 8.4 12.6

Manual Integrations
APPROVED

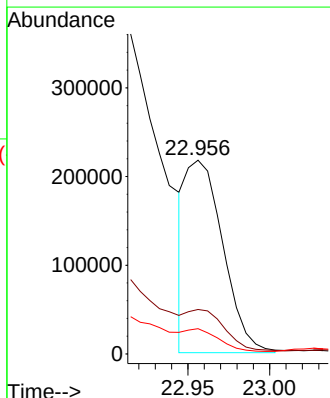
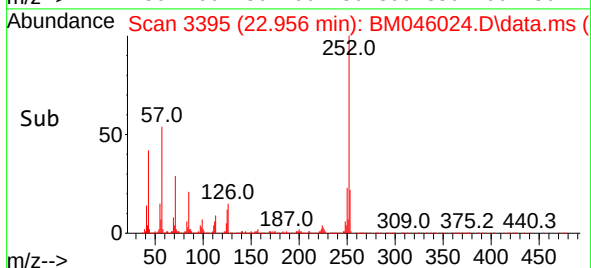
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

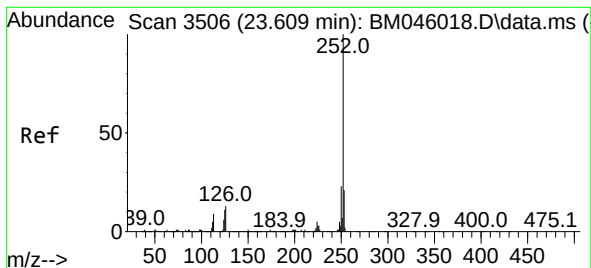


#91
Benzo(k)fluoranthene
Concen: 8.566 ng/ul m
RT: 22.956 min Scan# 3395
Delta R.T. -0.000 min
Lab File: BM046024.D
Acq: 13 Jun 2024 15:18



Tgt Ion:252 Resp: 344275
Ion Ratio Lower Upper
252 100
253 23.0 16.8 25.2
125 13.0 8.2 12.4





#93

Benzo(a)pyrene

Concen: 11.386 ng/ul

RT: 23.621 min Scan# 3508

Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Instrument :

BNA_M

ClientSampleId :

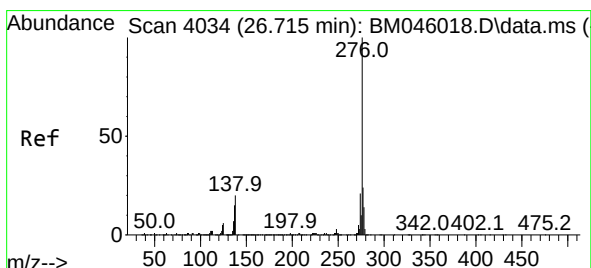
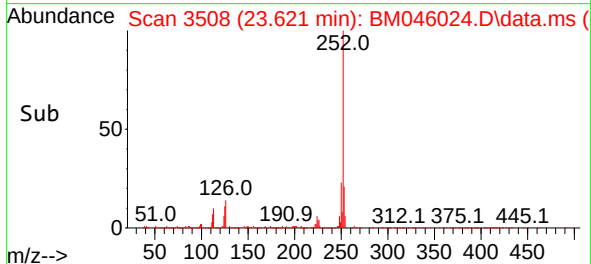
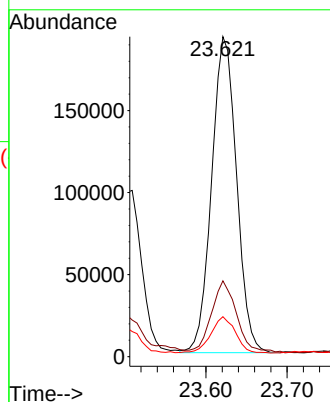
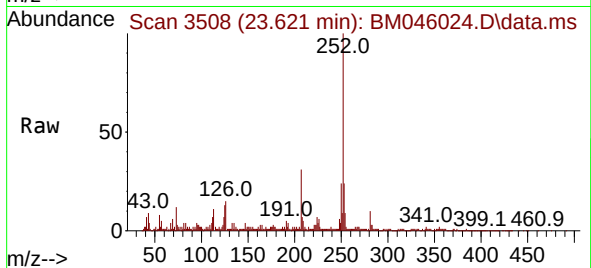
BHBW2

Tgt Ion:252	Resp:	41171
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.5 26.3
125	12.5	9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.907 ng/ul

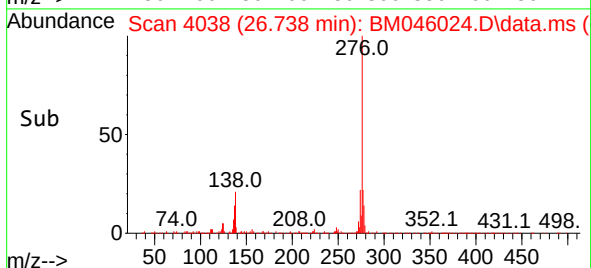
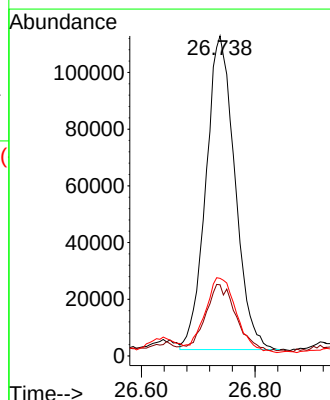
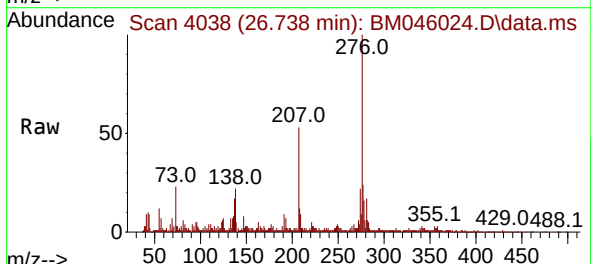
RT: 26.738 min Scan# 4038

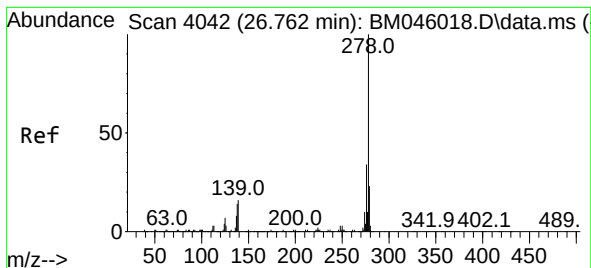
Delta R.T. 0.012 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Tgt Ion:276	Resp:	391216
Ion Ratio	Lower	Upper
276	100	
138	22.2	17.9 26.9
277	24.3	19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 4.173 ng/ul

RT: 26.774 min Scan# 4044

Delta R.T. -0.000 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Instrument :

BNM

ClientSampleId :

BHBW2

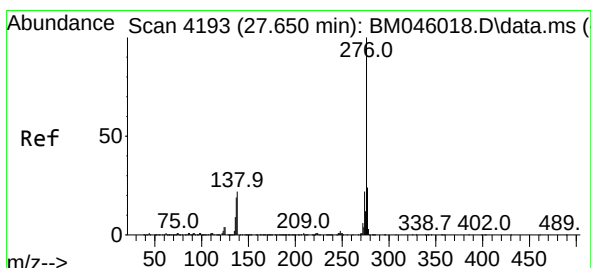
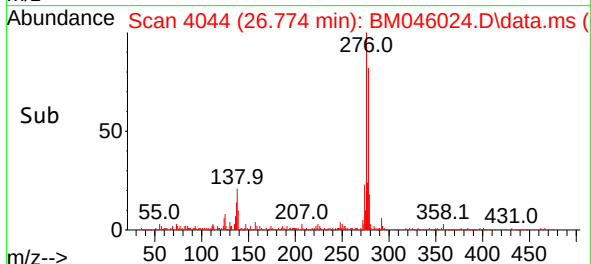
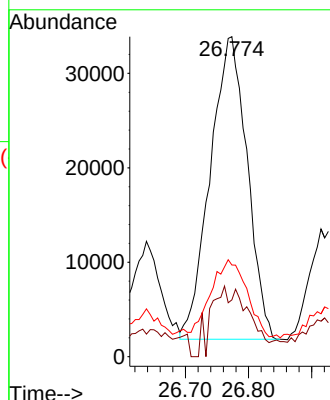
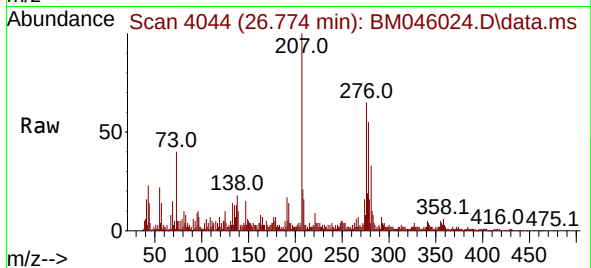
Tgt Ion:278 Resp: 130310

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.2	19.8
279	28.7	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#96

Benzo(g,h,i)perylene

Concen: 1.591 ng/ul

RT: 27.662 min Scan# 4195

Delta R.T. 0.006 min

Lab File: BM046024.D

Acq: 13 Jun 2024 15:18

Tgt Ion:276 Resp: 55327

Ion	Ratio	Lower	Upper
276	100		
138	31.9	18.6	27.8#
277	29.6	18.7	28.1#

