

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046252.D  
 Acq On : 24 Jun 2024 14:27  
 Operator : MA/JU  
 Sample : P2776-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 14:56:47 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 : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.447	152	1758	0.400	ng/ul	-0.02	
4) Naphthalene-d8	10.216	136	5222	0.400	ng/ul	#-0.04	
9) Acenaphthene-d10	14.067	164	3069	0.400	ng/ul	-0.05	
13) Phenanthrene-d10	16.812	188	6157	0.400	ng/ul	-0.05	
17) Chrysene-d12	21.003	240	5479	0.400	ng/ul	-0.04	
23) Perylene-d12	23.095	264	7034m	0.400	ng/ul	-0.05	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.029	96	997	0.413	ng/ul	-0.02	
6) 2-Methylnaphthalene-d10	11.816	152	1987	0.283	ng/ul	-0.05	
18) Fluoranthene-d10	18.835	212	4607	0.281	ng/ul	-0.05	
Target Compounds							
							Qvalue
2) 1,4-Dioxane	3.059	88	2623	0.970	ng/ul		84
5) Naphthalene	10.271	128	5872	0.403	ng/ul		97
7) 2-Methylnaphthalene	11.888	142	2983	0.364	ng/ul		99
8) 1-Methylnaphthalene	12.102	142	2929	0.326	ng/ul		99
10) Acenaphthylene	13.794	152	8369	0.575	ng/ul		99
11) Acenaphthene	14.132	153	4731	0.450	ng/ul		100
12) Fluorene	15.136	166	5147	0.456	ng/ul		98
14) Pentachlorophenol	16.495	266	894	0.484	ng/ul		97
15) Phenanthrene	16.854	178	48055	2.778	ng/ul		96
16) Anthracene	16.947	178	12638	0.981	ng/ul		98
19) Fluoranthene	18.867	202	118124	4.979	ng/ul		95
20) Pyrene	19.230	202	92511	3.606	ng/ul		95
21) Benzo(a)anthracene	20.985	228	56903	2.689	ng/ul		100
22) Chrysene	21.038	228	60021	2.222	ng/ul		99
24) Benzo(b)fluoranthene	22.475	252	88167m	3.479	ng/ul		
25) Benzo(k)fluoranthene	22.513	252	41799m	1.387	ng/ul		
26) Benzo(a)pyrene	23.004	252	36823	1.568	ng/ul#		79
27) Indeno(1,2,3-cd)pyrene	25.131	276	40727	1.060	ng/ul#		95
28) Dibenzo(a,h)anthracene	25.135	278	16956	0.593	ng/ul		97
29) Benzo(g,h,i)perylene	25.755	276	6281	0.191	ng/ul#		87

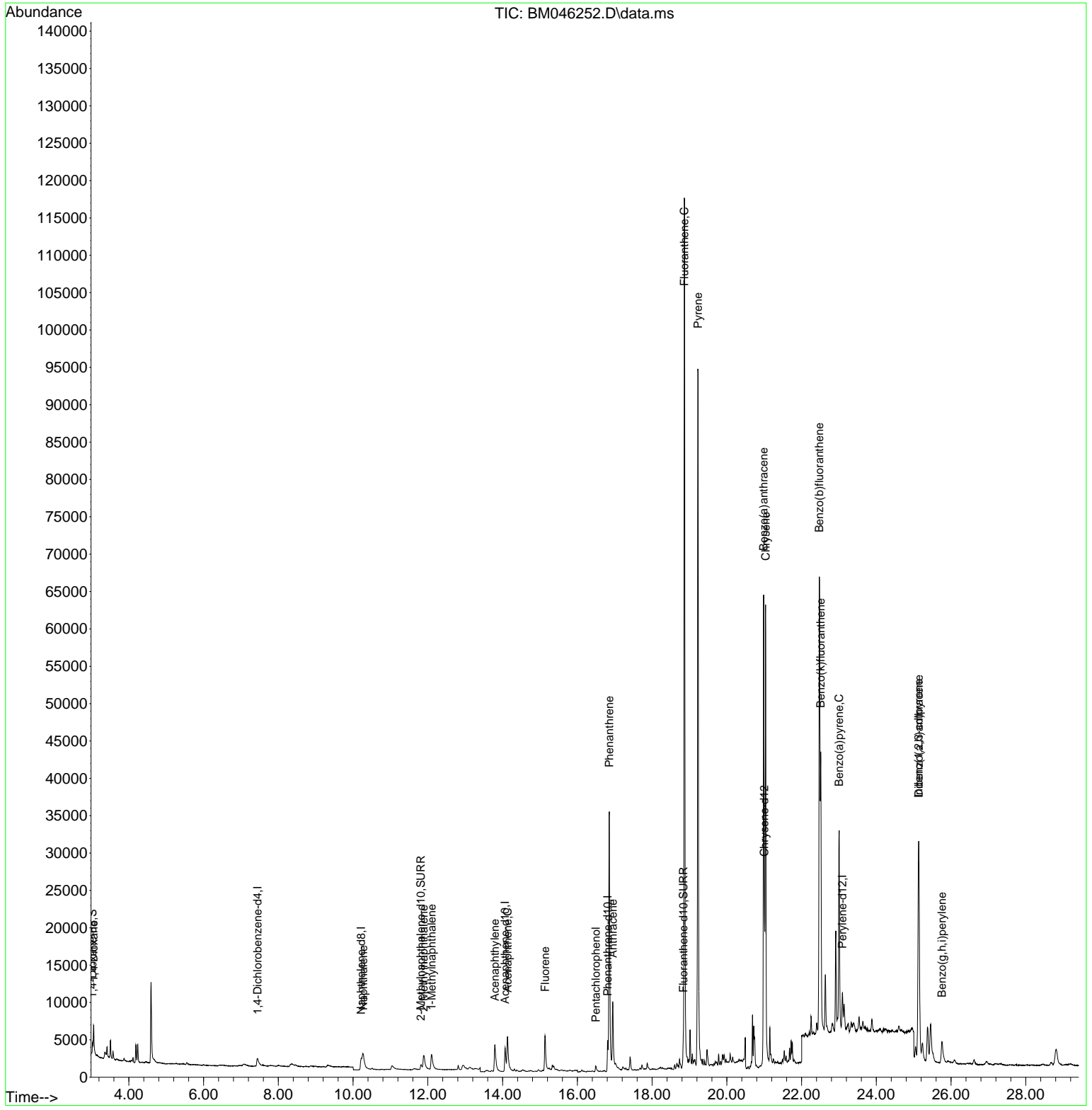
(#) = qualifier out of range (m) = manual integration (+) = signals summed

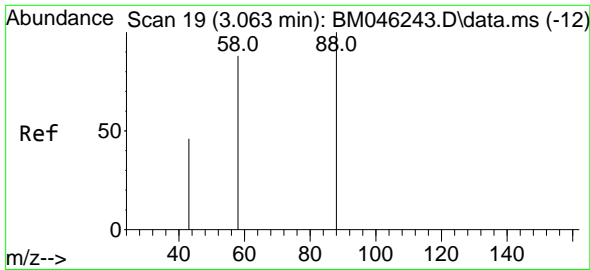
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046252.D  
 Acq On : 24 Jun 2024 14:27  
 Operator : MA/JU  
 Sample : P2776-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 A4CY6MSD

Quant Time: Jun 24 14:56:47 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 : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

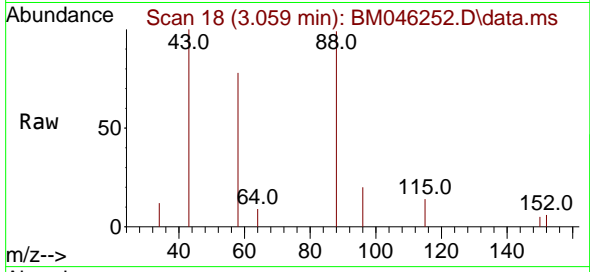
**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024





#2  
 1,4-Dioxane  
 Concen: 0.970 ng/u1  
 RT: 3.059 min Scan# 18  
 Delta R.T. -0.017 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

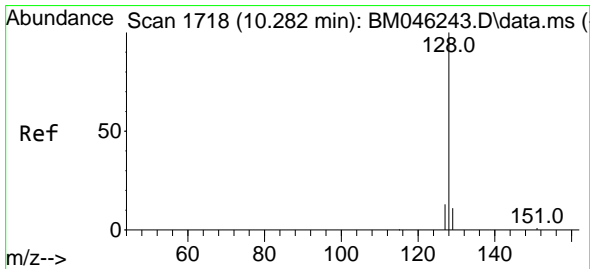
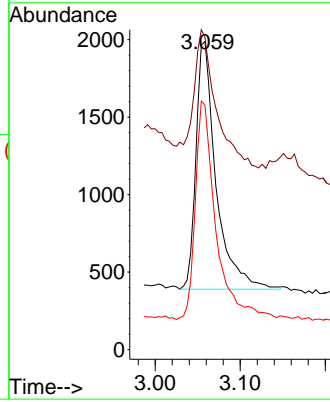
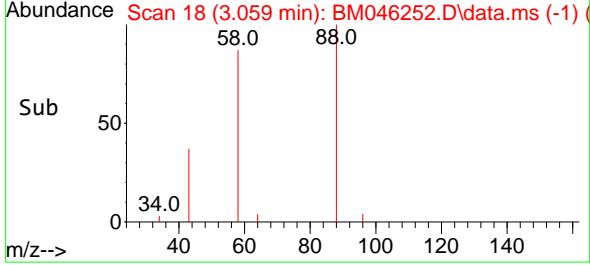
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6MSD



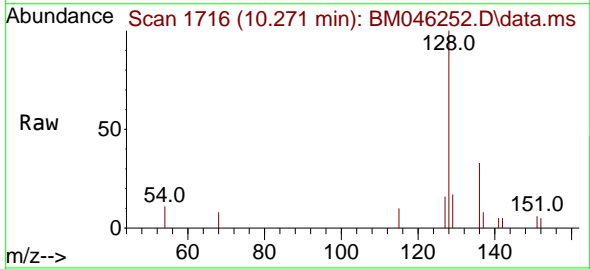
Tgt Ion: 88 Resp: 262  
 Ion Ratio Lower Upper  
 88 100  
 43 101.3 69.8 104.8  
 58 79.3 53.2 79.8

Manual Integrations  
 APPROVED

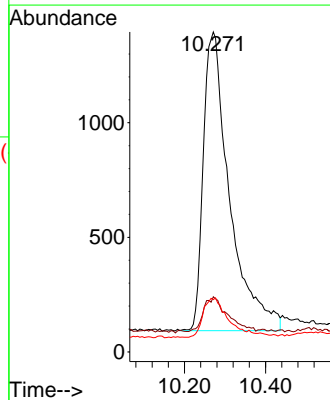
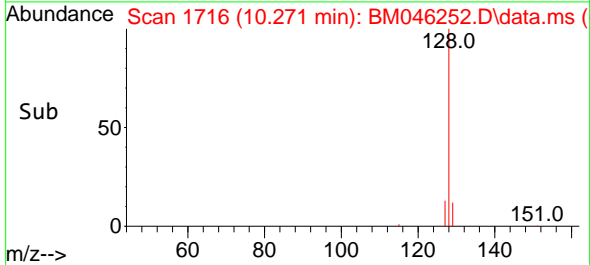
Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

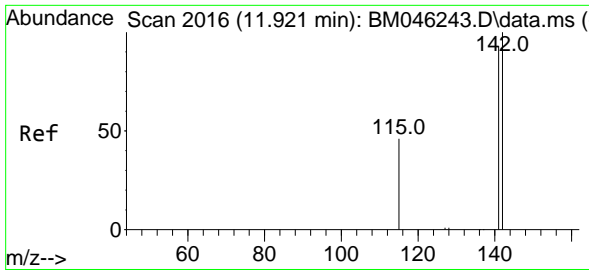


#5  
 Naphthalene  
 Concen: 0.403 ng/u1  
 RT: 10.271 min Scan# 1716  
 Delta R.T. -0.032 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



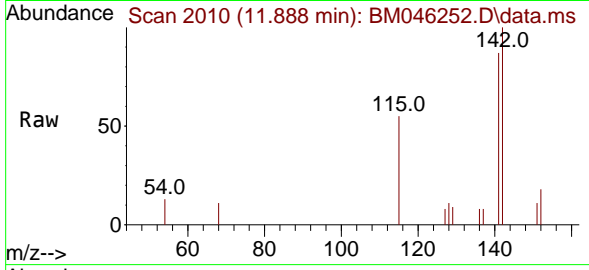
Tgt Ion:128 Resp: 5872  
 Ion Ratio Lower Upper  
 128 100  
 129 17.3 11.8 17.6  
 127 16.3 12.8 19.2





#7  
 2-Methylnaphthalene  
 Concen: 0.364 ng/ul  
 RT: 11.888 min Scan# 2010  
 Delta R.T. -0.059 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

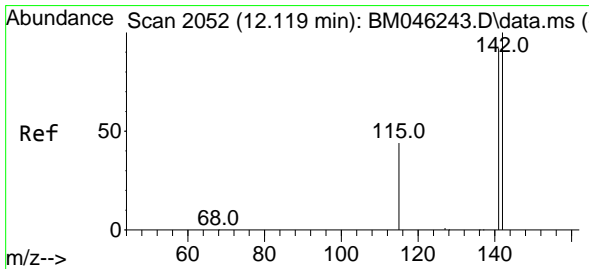
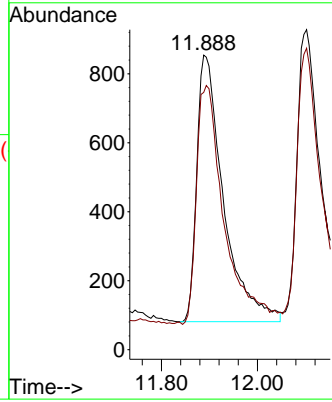
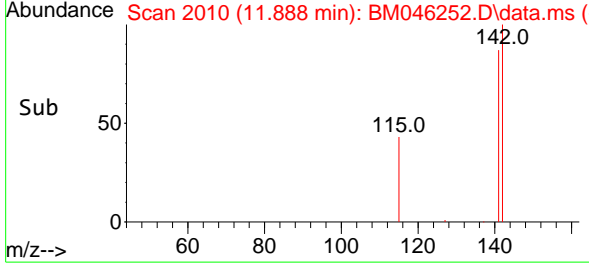
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6MSD



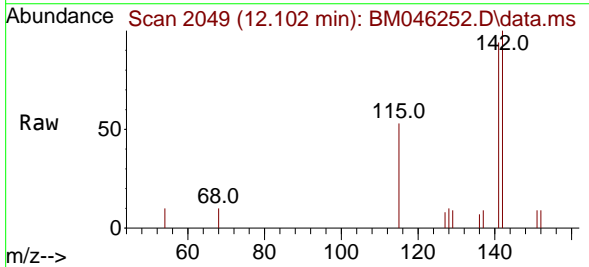
Tgt Ion:142 Resp: 298  
 Ion Ratio Lower Upper  
 142 100  
 141 94.4 74.6 111.8

Manual Integrations  
 APPROVED

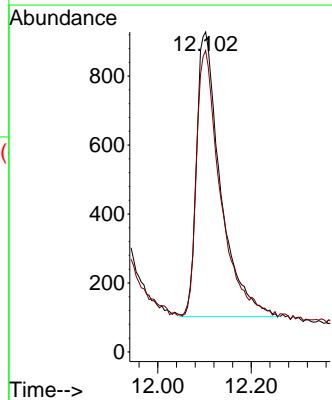
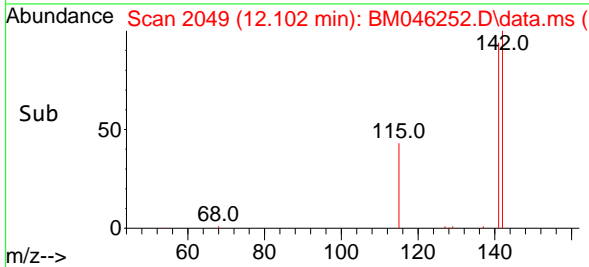
Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

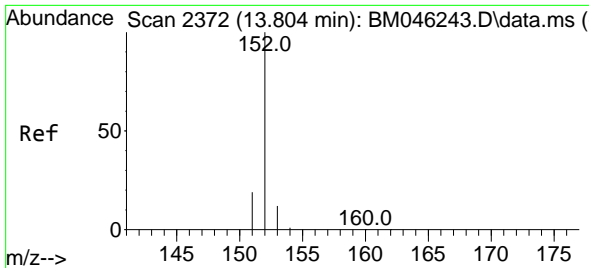


#8  
 1-Methylnaphthalene  
 Concen: 0.326 ng/ul  
 RT: 12.102 min Scan# 2049  
 Delta R.T. -0.048 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



Tgt Ion:142 Resp: 2929  
 Ion Ratio Lower Upper  
 142 100  
 141 94.7 75.2 112.8





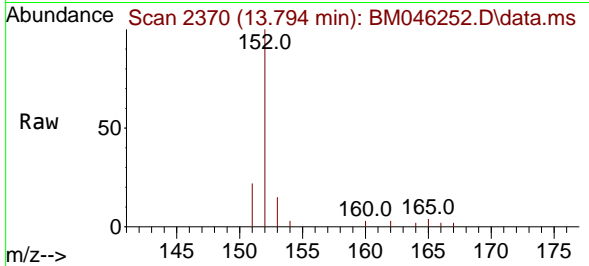
#10  
 Acenaphthylene  
 Concen: 0.575 ng/u1  
 RT: 13.794 min Scan# 21  
 Delta R.T. -0.040 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Instrument :

BNA\_M

ClientSampleId :

A4CY6MSD



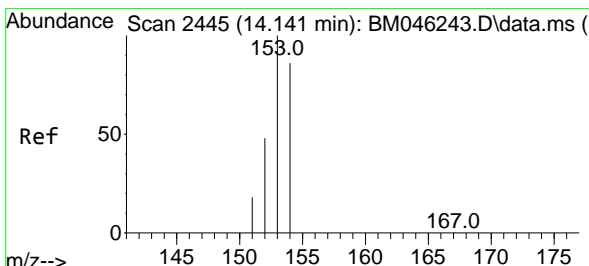
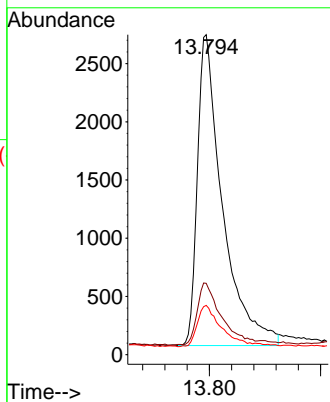
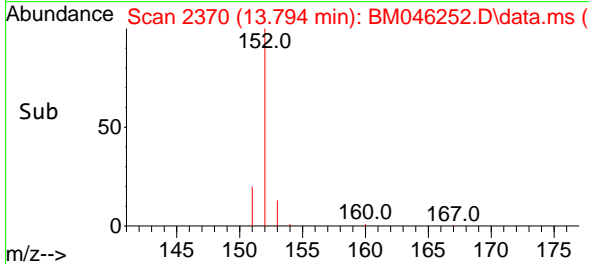
Tgt Ion:152 Resp: 8369  
 Ion Ratio Lower Upper  
 152 100  
 151 22.3 17.4 26.2  
 153 15.4 11.8 17.8

Manual Integrations

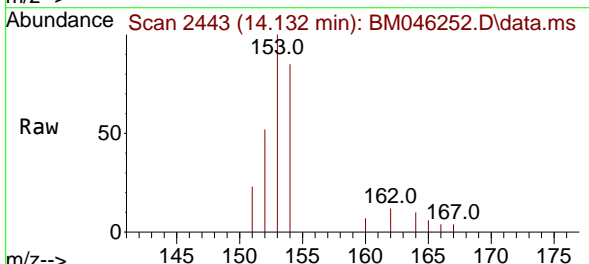
APPROVED

Reviewed By :Yogesh Patel 06/25/2024

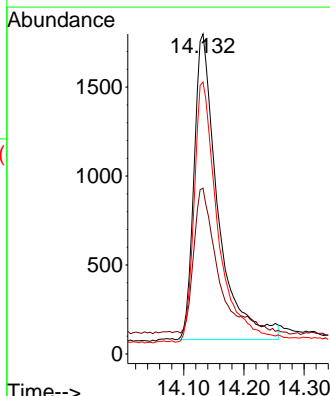
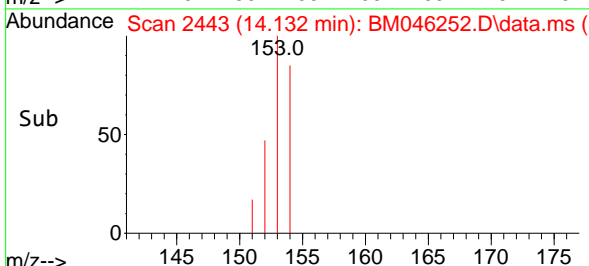
Supervised By :mohammad ahmed 06/27/2024

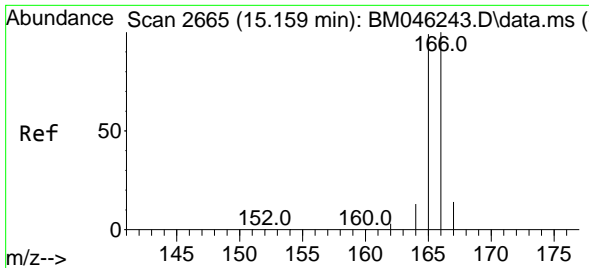


#11  
 Acenaphthene  
 Concen: 0.450 ng/u1  
 RT: 14.132 min Scan# 2443  
 Delta R.T. -0.040 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



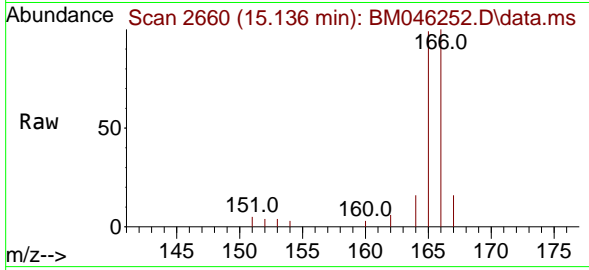
Tgt Ion:153 Resp: 4731  
 Ion Ratio Lower Upper  
 153 100  
 152 51.8 41.3 61.9  
 154 84.9 68.2 102.4





#12  
 Fluorene  
 Concen: 0.456 ng/uI  
 RT: 15.136 min Scan# 2064  
 Delta R.T. -0.045 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

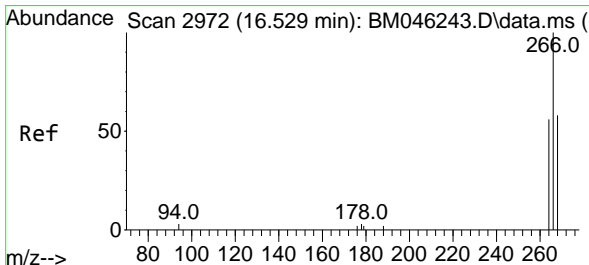
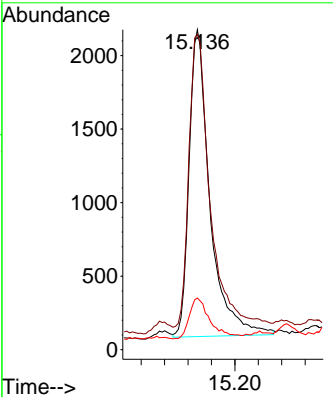
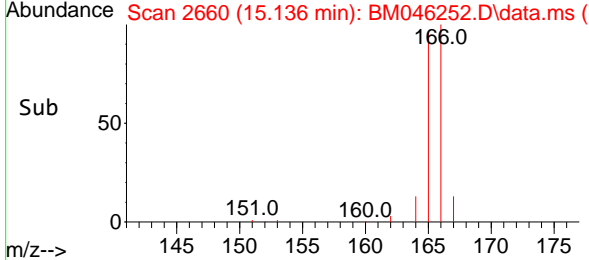
Instrument : BNA\_M  
 ClientSampleId : A4CY6MSD



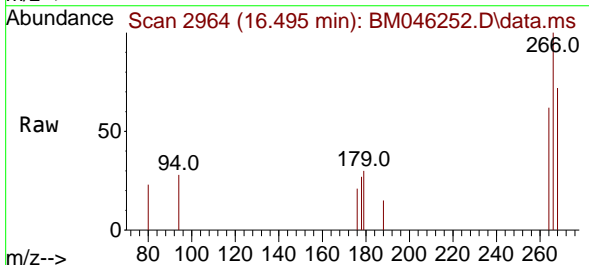
Tgt Ion:166 Resp: 514

Ion	Ratio	Lower	Upper
166	100		
165	98.6	80.4	120.6
167	16.2	12.4	18.6

Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

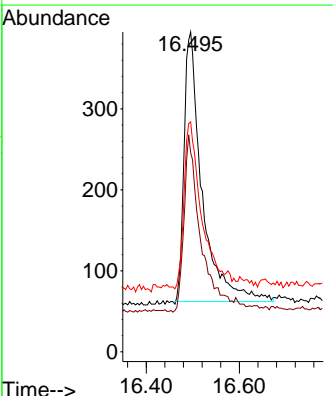
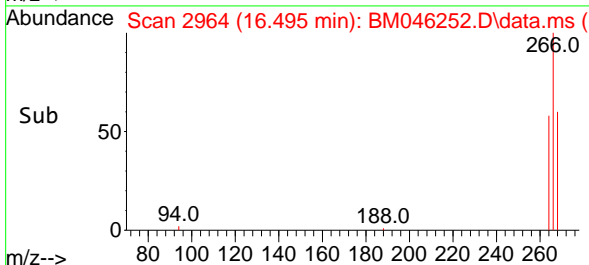


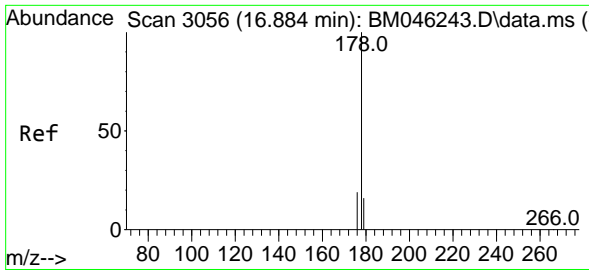
#14  
 Pentachlorophenol  
 Concen: 0.484 ng/uI  
 RT: 16.495 min Scan# 2964  
 Delta R.T. -0.071 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



Tgt Ion:266 Resp: 894

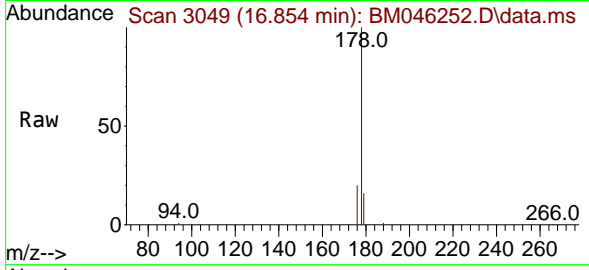
Ion	Ratio	Lower	Upper
266	100		
264	64.8	50.9	76.3
268	61.9	52.3	78.5





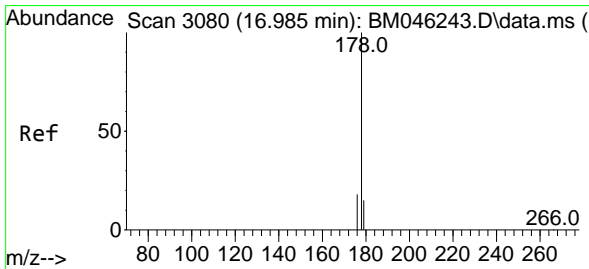
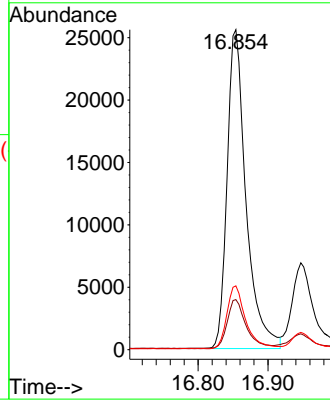
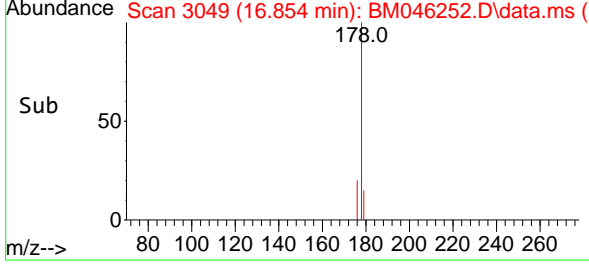
#15  
 Phenanthrene  
 Concen: 2.778 ng/u1  
 RT: 16.854 min Scan# 3071  
 Delta R.T. -0.049 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Instrument : BNA\_M  
 ClientSampleId : A4CY6MSD

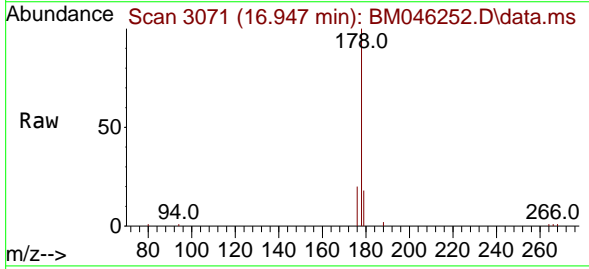


Tgt Ion:178 Resp: 4805  
 Ion Ratio Lower Upper  
 178 100  
 179 15.6 14.2 21.2  
 176 19.9 17.1 25.7

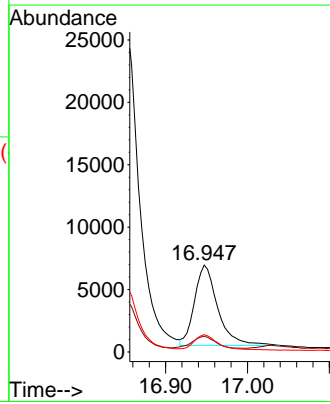
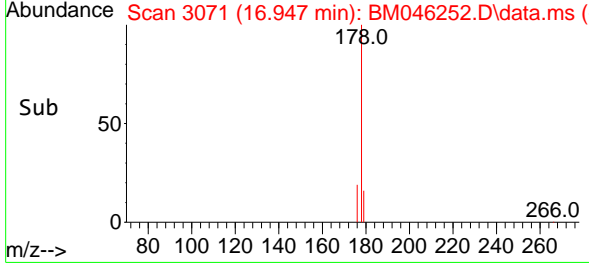
Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

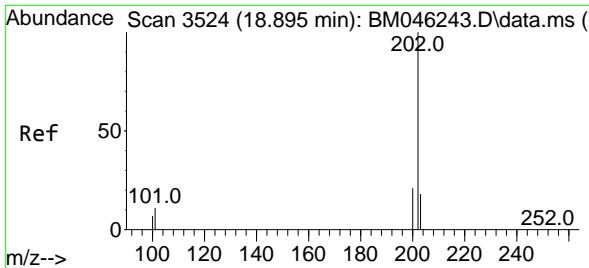


#16  
 Anthracene  
 Concen: 0.981 ng/u1  
 RT: 16.947 min Scan# 3071  
 Delta R.T. -0.058 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



Tgt Ion:178 Resp: 12638  
 Ion Ratio Lower Upper  
 178 100  
 179 18.2 14.9 22.3  
 176 19.9 17.0 25.4





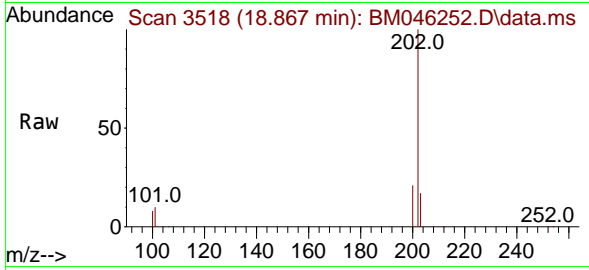
#19  
 Fluoranthene  
 Concen: 4.979 ng/uI  
 RT: 18.867 min Scan# 31  
 Delta R.T. -0.050 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Instrument :

BNA\_M

ClientSampleId :

A4CY6MSD



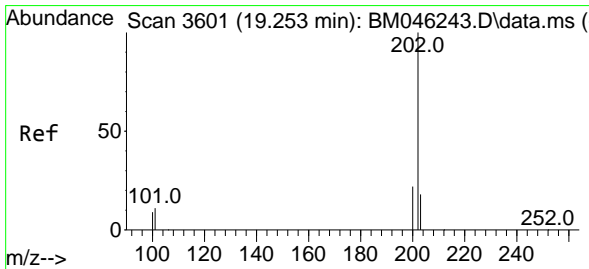
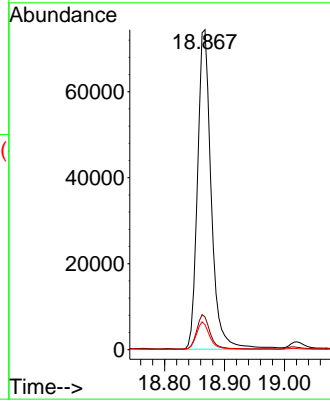
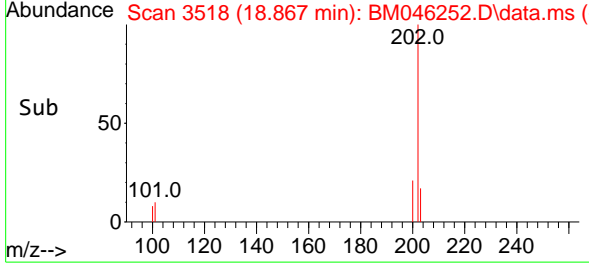
Tgt Ion:202 Resp: 118124  
 Ion Ratio Lower Upper  
 202 100  
 101 10.2 9.6 14.4  
 100 7.8 7.6 11.4

Manual Integrations

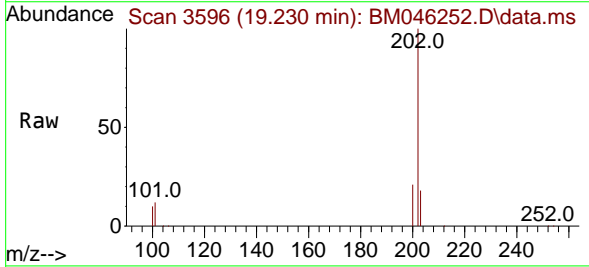
APPROVED

Reviewed By :Yogesh Patel 06/25/2024

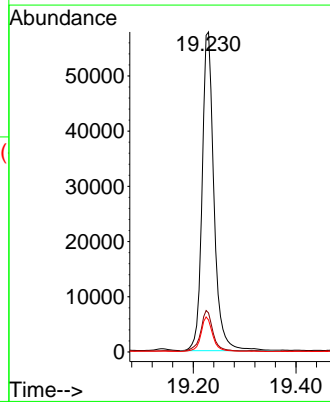
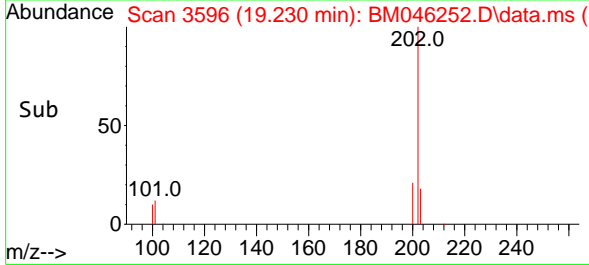
Supervised By :mohammad ahmed 06/27/2024



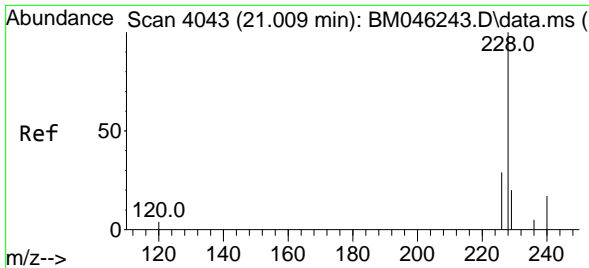
#20  
 Pyrene  
 Concen: 3.606 ng/uI  
 RT: 19.230 min Scan# 3596  
 Delta R.T. -0.045 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



Tgt Ion:202 Resp: 92511  
 Ion Ratio Lower Upper  
 202 100  
 101 12.2 11.3 16.9  
 100 10.0 9.8 14.6







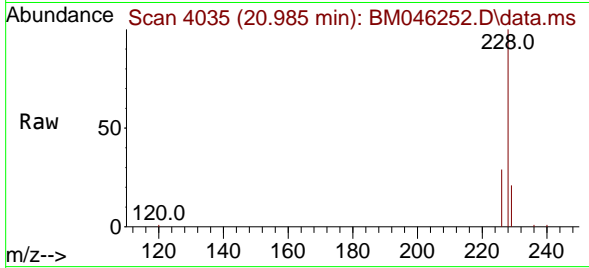
#21  
 Benzo(a)anthracene  
 Concen: 2.689 ng/u1  
 RT: 20.985 min Scan# 4035  
 Delta R.T. -0.044 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Instrument :

BNA\_M

ClientSampleId :

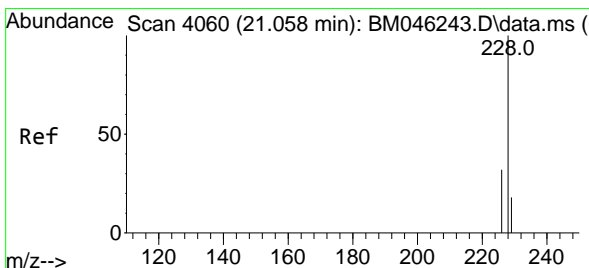
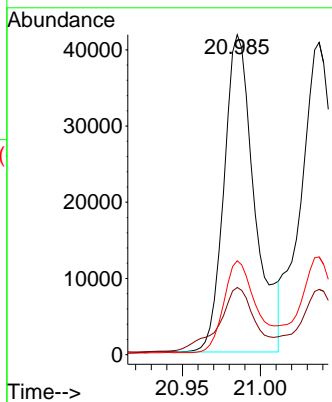
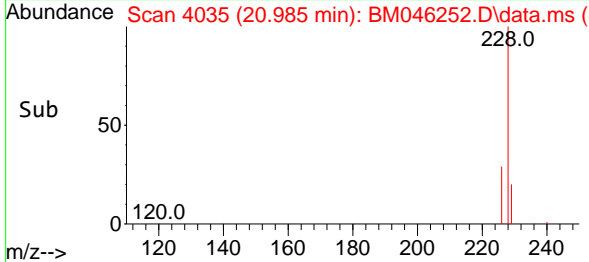
A4CY6MSD



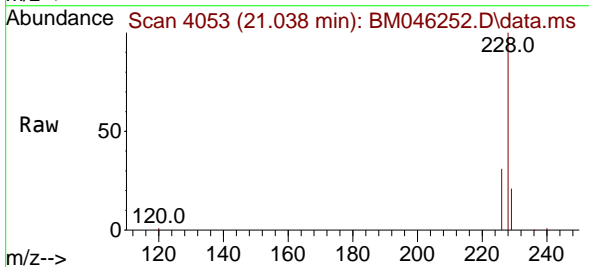
Tgt Ion:228 Resp: 5690  
 Ion Ratio Lower Upper  
 228 100  
 229 21.0 16.4 24.6  
 226 29.3 23.4 35.2

Manual Integrations  
 APPROVED

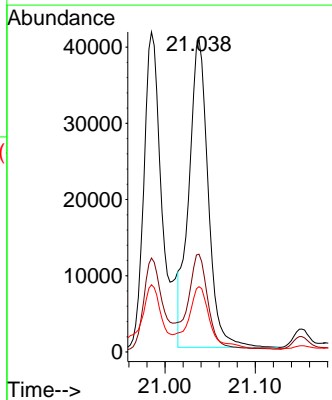
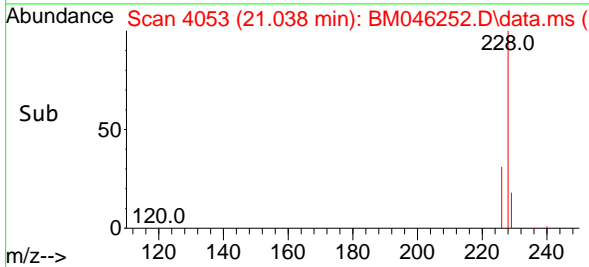
Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

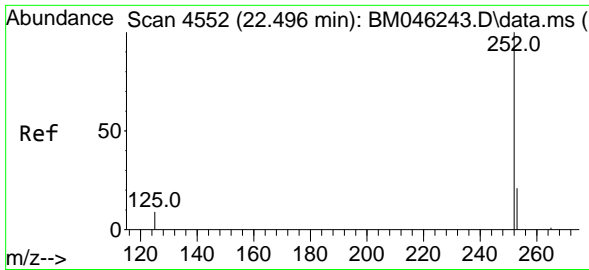


#22  
 Chrysene  
 Concen: 2.222 ng/u1  
 RT: 21.038 min Scan# 4053  
 Delta R.T. -0.038 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



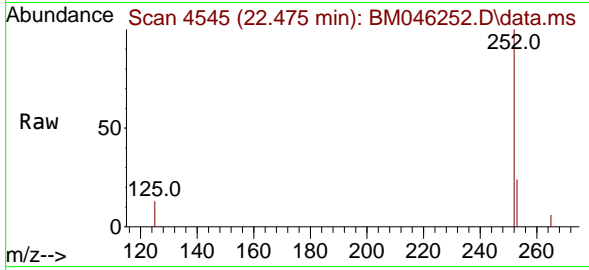
Tgt Ion:228 Resp: 60021  
 Ion Ratio Lower Upper  
 228 100  
 226 31.3 25.2 37.8  
 229 20.9 16.3 24.5





#24  
 Benzo(b)fluoranthene  
 Concen: 3.479 ng/ul m  
 RT: 22.475 min Scan# 4545  
 Delta R.T. -0.044 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

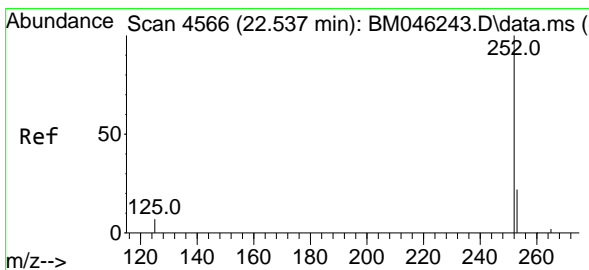
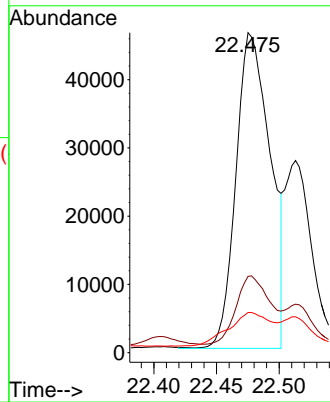
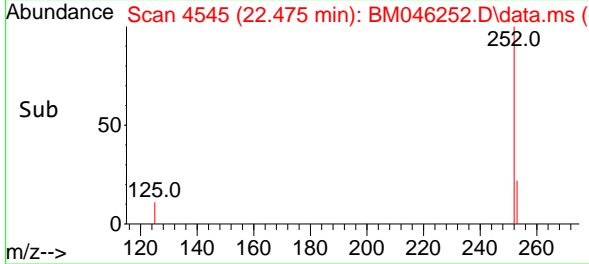
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6MSD



Tgt Ion:252 Resp: 8816  
 Ion Ratio Lower Upper  
 252 100  
 253 23.8 0.0 65.8  
 125 12.5 0.0 40.2

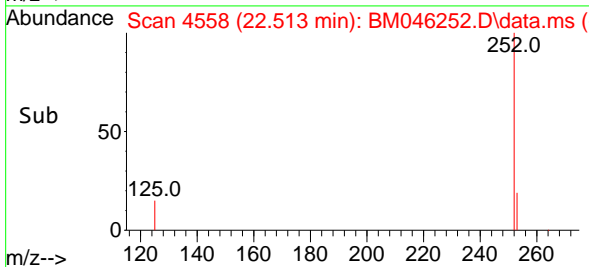
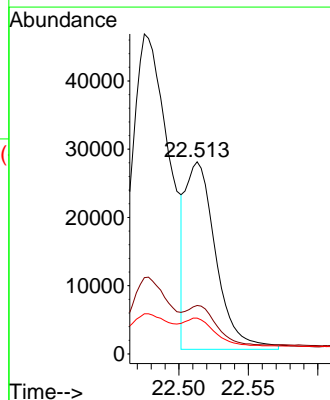
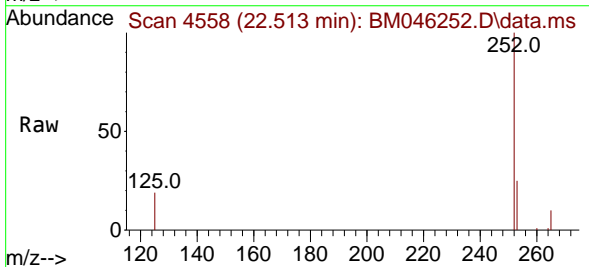
Manual Integrations  
**APPROVED**

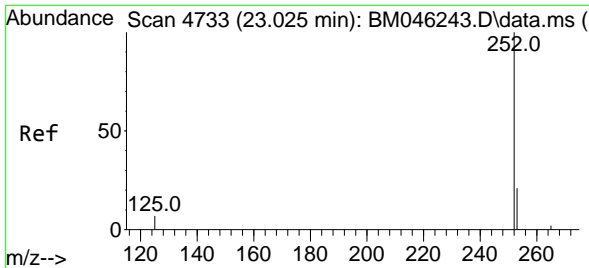
Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024



#25  
 Benzo(k)fluoranthene  
 Concen: 1.387 ng/ul m  
 RT: 22.513 min Scan# 4558  
 Delta R.T. -0.050 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Tgt Ion:252 Resp: 41799  
 Ion Ratio Lower Upper  
 252 100  
 253 25.2 27.2 40.8#  
 125 18.6 16.6 25.0





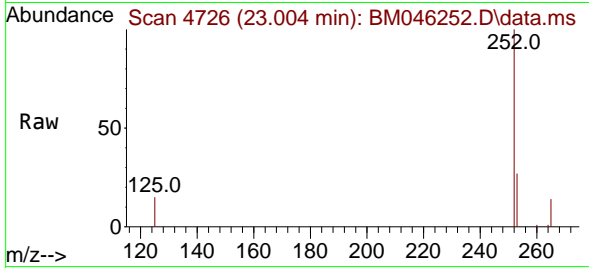
#26  
 Benzo(a)pyrene  
 Concen: 1.568 ng/u1  
 RT: 23.004 min Scan# 4733  
 Delta R.T. -0.050 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Instrument :

BNA\_M

ClientSampleId :

A4CY6MSD



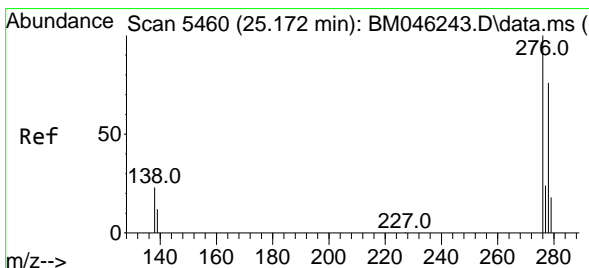
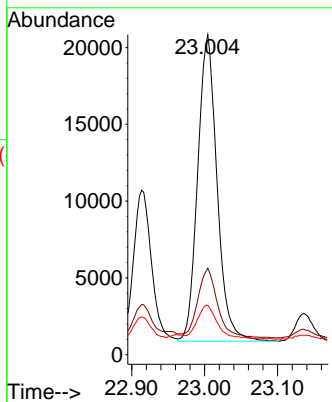
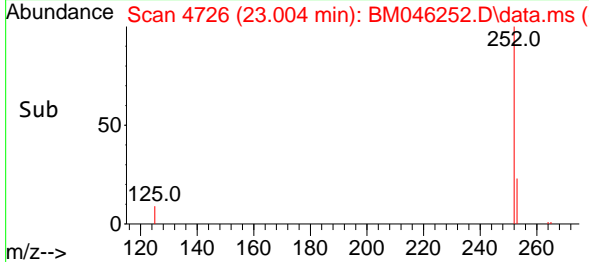
Tgt Ion:252 Resp: 3682  
 Ion Ratio Lower Upper  
 252 100  
 253 27.0 32.1 48.1  
 125 15.5 21.2 31.8

Manual Integrations

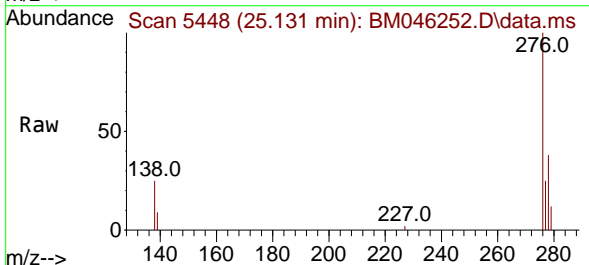
APPROVED

Reviewed By :Yogesh Patel 06/25/2024

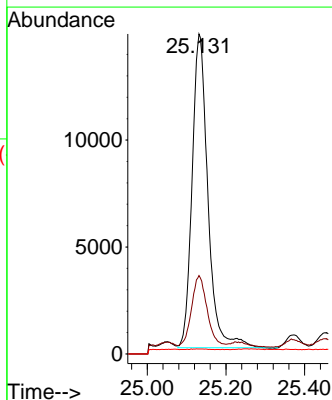
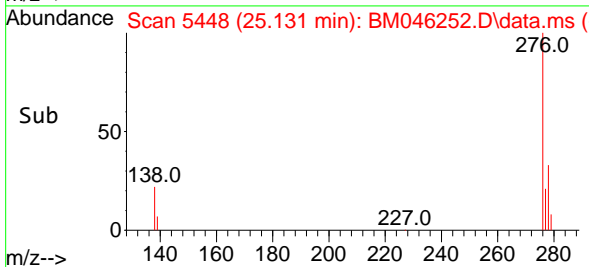
Supervised By :mohammad ahmed 06/27/2024

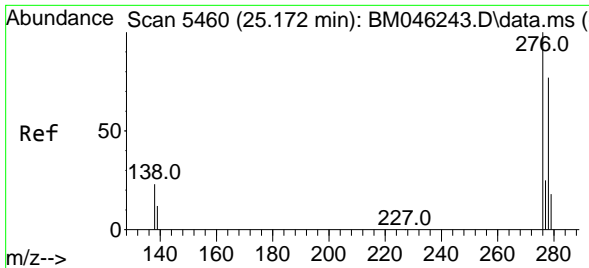


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.060 ng/u1  
 RT: 25.131 min Scan# 5448  
 Delta R.T. -0.071 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27



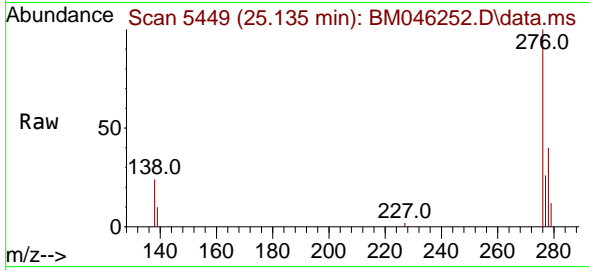
Tgt Ion:276 Resp: 40727  
 Ion Ratio Lower Upper  
 276 100  
 138 23.6 21.0 31.4  
 227 0.0 0.0 0.0





#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.593 ng/ul  
 RT: 25.135 min Scan# 5449  
 Delta R.T. -0.081 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

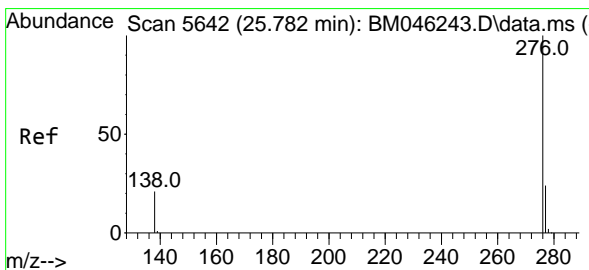
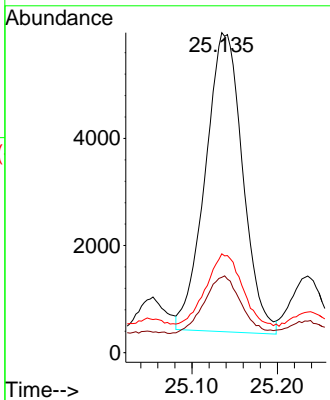
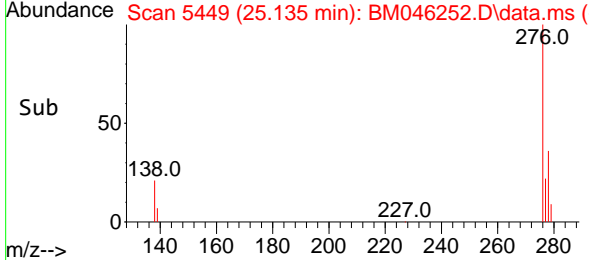
Instrument : BNA\_M  
 ClientSampleId : A4CY6MSD



Tgt Ion:278 Resp: 1695  
 Ion Ratio Lower Upper  
 278 100  
 139 23.6 17.6 26.4  
 279 30.9 26.3 39.5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.191 ng/ul  
 RT: 25.755 min Scan# 5634  
 Delta R.T. -0.074 min  
 Lab File: BM046252.D  
 Acq: 24 Jun 2024 14:27

Tgt Ion:276 Resp: 6281  
 Ion Ratio Lower Upper  
 276 100  
 138 34.1 21.7 32.5#  
 277 31.7 20.4 30.6#

