

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045698.D
 Acq On : 03 May 2024 16:28
 Operator : MA/JU
 Sample : P2238-11MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CX6MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 03 16:59:51 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

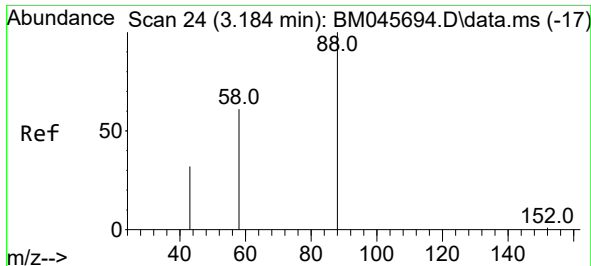
QLast Update : Fri May 03 03:27:04 2024

Response via : Initial Calibration

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

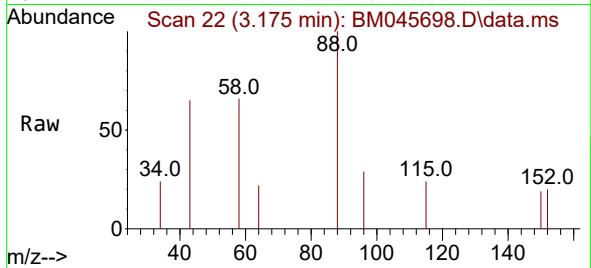
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.543	152	276	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.298	136	984	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.173	164	706	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.943	188	1569	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.157	240	1904	0.400	ng/ul	-0.03
23) Perylene-d12	23.332	264	2606m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.150	96	116	0.371	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.898	152	359	0.231	ng/ul	-0.05
18) Fluoranthene-d10	18.979	212	1059	0.222	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	296	0.914	ng/ul#	86
5) Naphthalene	10.347	128	1424	0.568	ng/ul#	75
7) 2-Methylnaphthalene	11.969	142	784	0.517	ng/ul	98
8) 1-Methylnaphthalene	12.189	142	653	0.389	ng/ul	96
10) Acenaphthylene	13.900	152	945	0.319	ng/ul	95
11) Acenaphthene	14.238	153	1861	0.846	ng/ul	96
12) Fluorene	15.251	166	1380	0.542	ng/ul#	91
15) Phenanthrene	16.985	178	15256	3.915	ng/ul#	85
16) Anthracene	17.086	178	3471	0.918	ng/ul#	87
19) Fluoranthene	19.011	202	27061	4.472	ng/ul#	83
20) Pyrene	19.378	202	24742	3.845	ng/ul#	84
21) Benzo(a)anthracene	21.140	228	20909	3.762	ng/ul#	92
22) Chrysene	21.192	228	24859	3.160	ng/ul	93
24) Benzo(b)fluoranthene	22.683	252	62748m	8.645	ng/ul	
25) Benzo(k)fluoranthene	22.726	252	25504m	2.838	ng/ul	
26) Benzo(a)pyrene	23.235	252	50121	6.230	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.490	276	50827	4.587	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.504	278	12983m	1.465	ng/ul	
29) Benzo(g,h,i)perylene	26.154	276	56895	5.791	ng/ul#	83

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



#2
1,4-Dioxane
Concen: 0.914 ng/ul
RT: 3.175 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

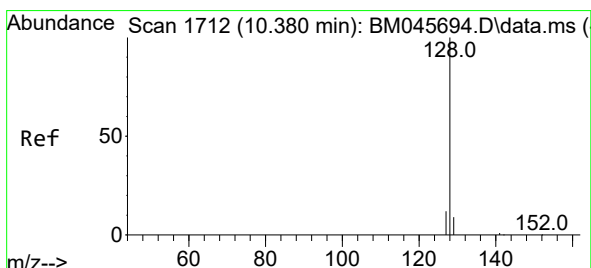
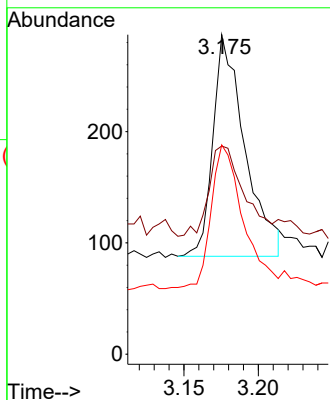
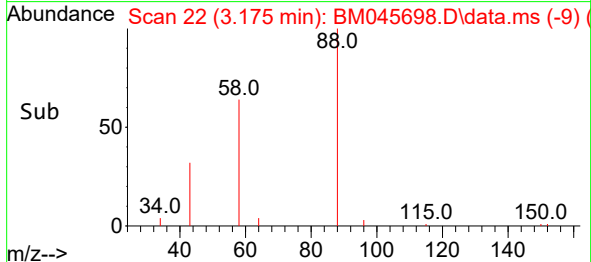
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



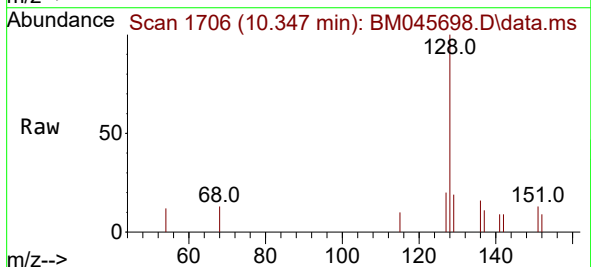
Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 65.2 67.4 101.2#
58 65.5 56.1 84.1

Manual Integrations
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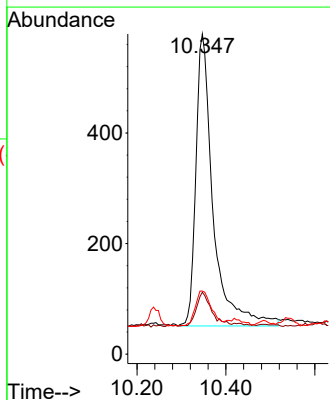
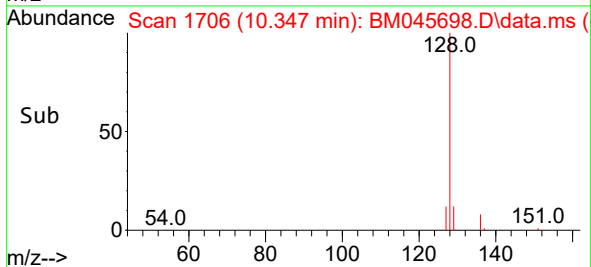
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

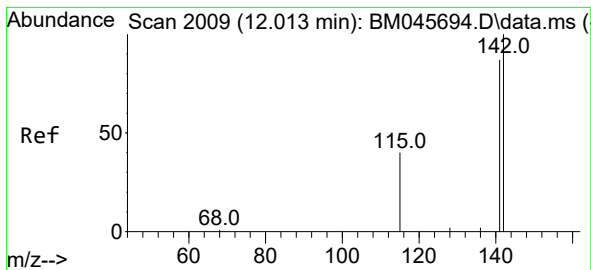


#5
Naphthalene
Concen: 0.568 ng/ul
RT: 10.347 min Scan# 1706
Delta R.T. -0.044 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28



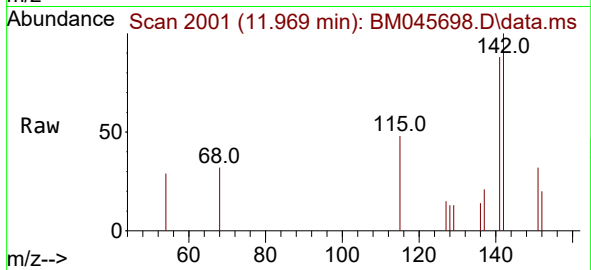
Tgt Ion:128 Resp: 1424
Ion Ratio Lower Upper
128 100
129 19.3 26.2 39.4#
127 19.7 27.4 41.2#





#7
2-Methylnaphthalene
Concen: 0.517 ng/ul
RT: 11.969 min Scan# 2001
Delta R.T. -0.060 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

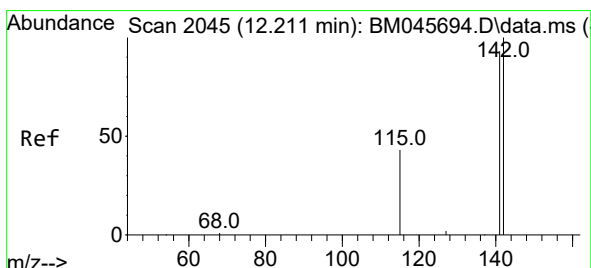
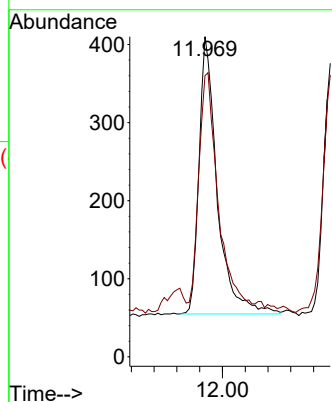
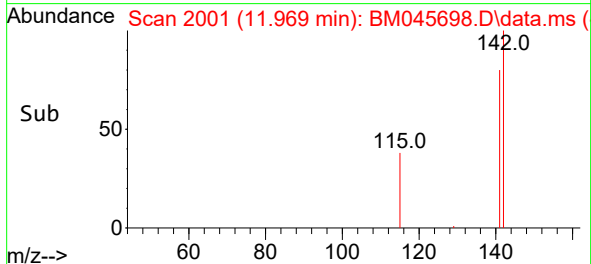
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



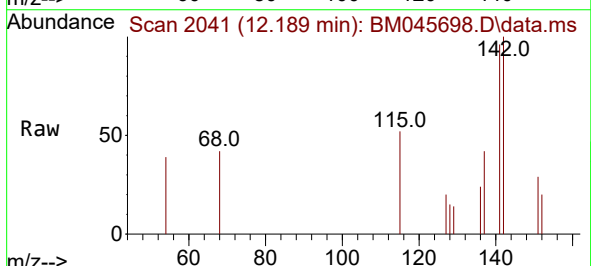
Tgt Ion:142 Resp: 784
Ion Ratio Lower Upper
142 100
141 98.3 76.9 115.3

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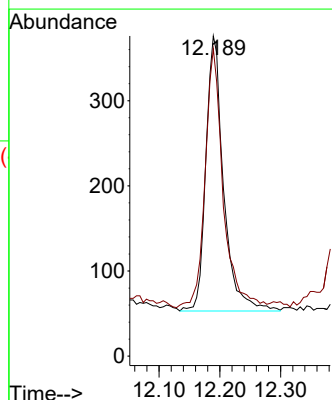
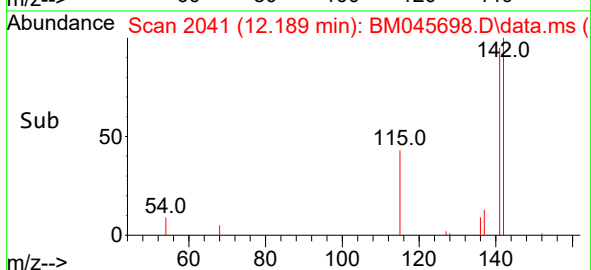
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

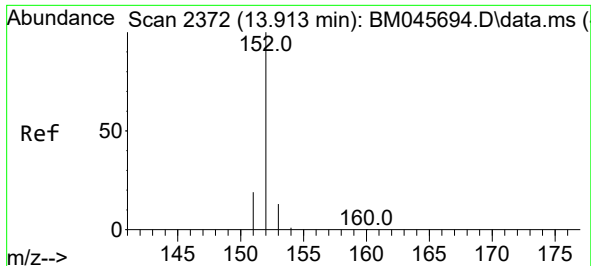


#8
1-Methylnaphthalene
Concen: 0.389 ng/ul
RT: 12.189 min Scan# 2041
Delta R.T. -0.038 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28



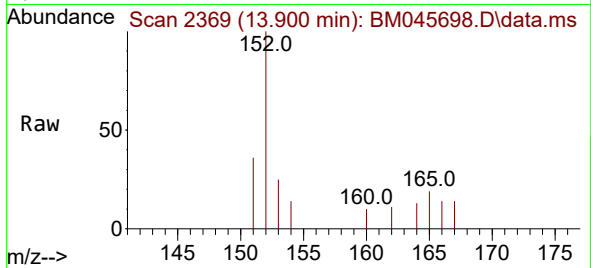
Tgt Ion:142 Resp: 653
Ion Ratio Lower Upper
142 100
141 95.7 79.4 119.2





#10
Acenaphthylene
Concen: 0.319 ng/ul
RT: 13.900 min Scan# 21
Delta R.T. -0.028 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

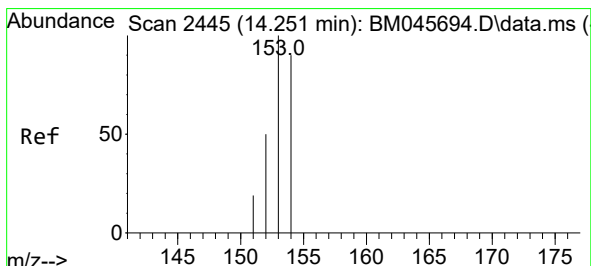
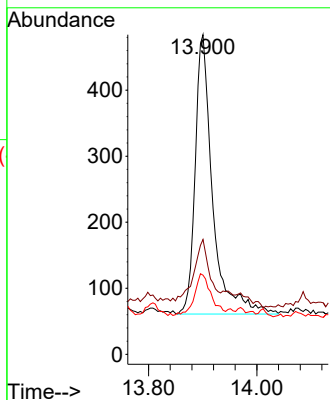
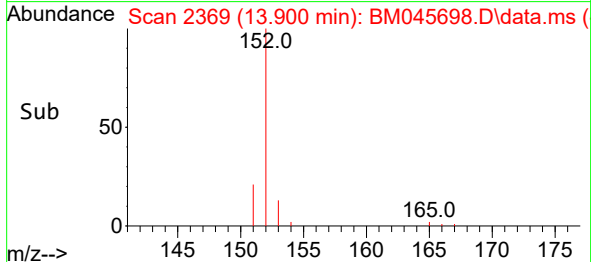
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



Tgt Ion:152 Resp: 945
Ion Ratio Lower Upper
152 100
151 36.0 25.0 37.4
153 24.8 19.6 29.4

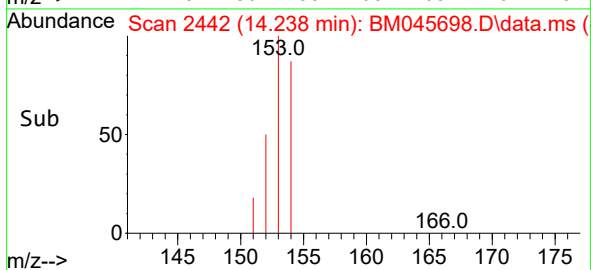
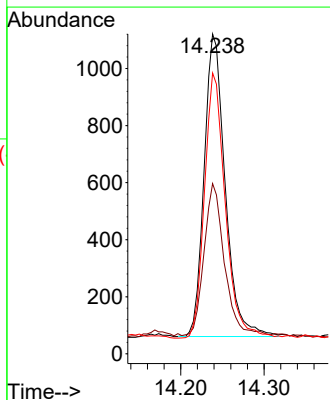
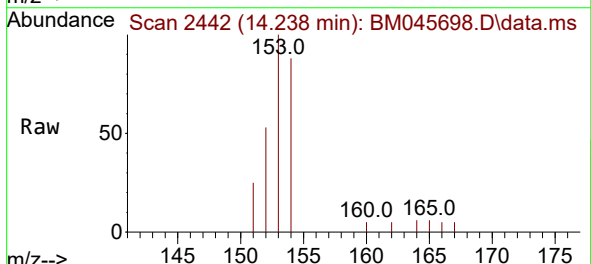
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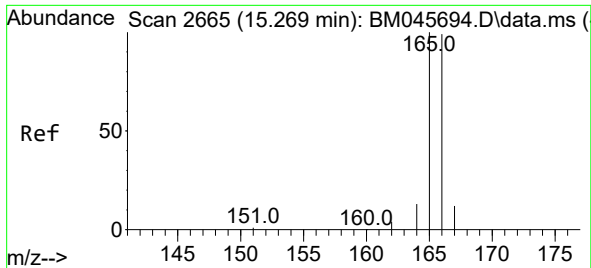
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#11
Acenaphthene
Concen: 0.846 ng/ul
RT: 14.238 min Scan# 2442
Delta R.T. -0.023 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

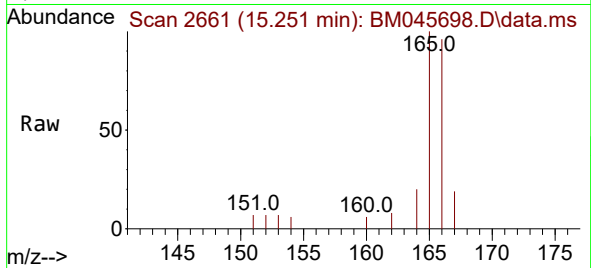
Tgt Ion:153 Resp: 1861
Ion Ratio Lower Upper
153 100
152 53.3 45.1 67.7
154 87.8 67.6 101.4





#12
Fluorene
Concen: 0.542 ng/ul
RT: 15.251 min Scan# 2061
Delta R.T. -0.032 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

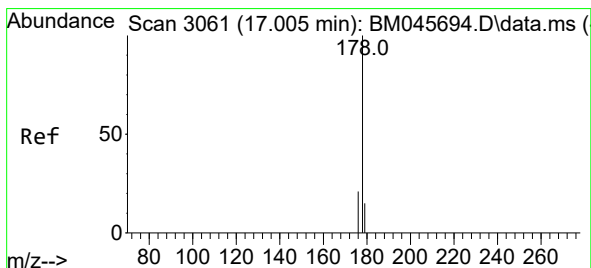
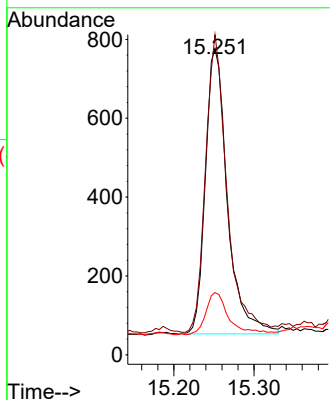
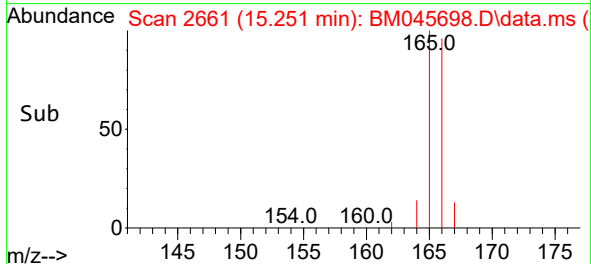
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



Tgt Ion:166 Resp: 1380
Ion Ratio Lower Upper
166 100
165 104.5 77.5 116.3
167 20.3 21.8 32.6

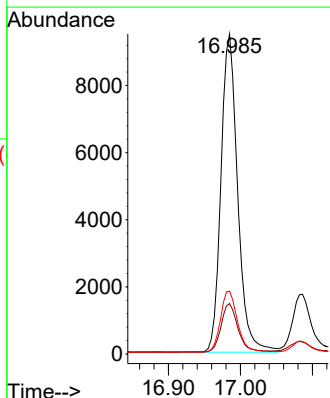
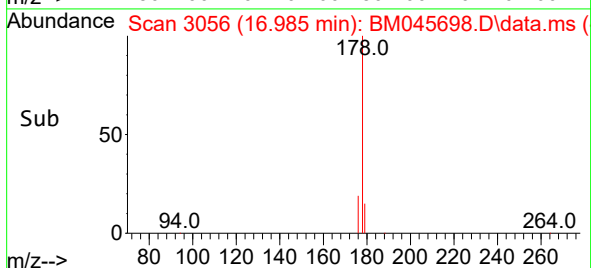
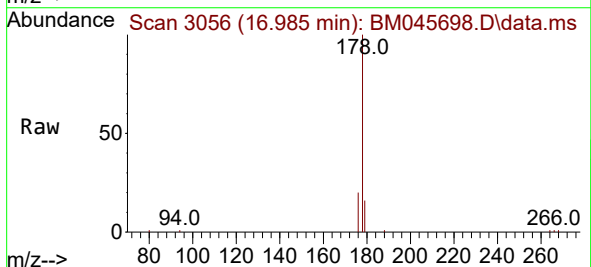
Manual Integrations
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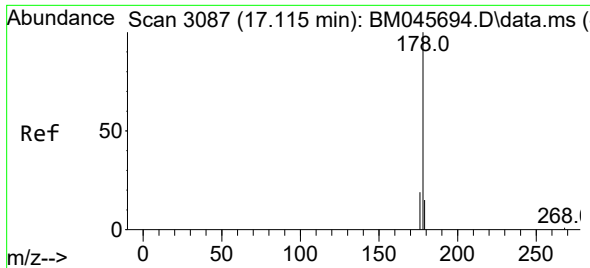
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#15
Phenanthrene
Concen: 3.915 ng/ul
RT: 16.985 min Scan# 3056
Delta R.T. -0.038 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

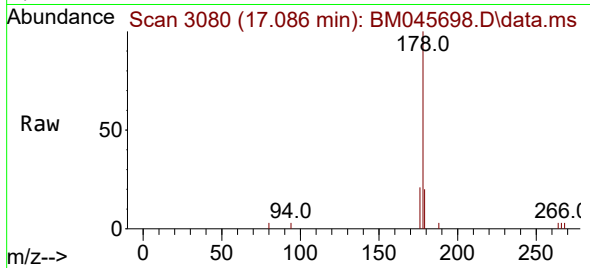
Tgt Ion:178 Resp: 15256
Ion Ratio Lower Upper
178 100
179 15.7 18.3 27.5#
176 19.7 21.8 32.6#





#16
 Anthracene
 Concen: 0.918 ng/ul
 RT: 17.086 min Scan# 3080
 Delta R.T. -0.042 min
 Lab File: BM045698.D
 Acq: 03 May 2024 16:28

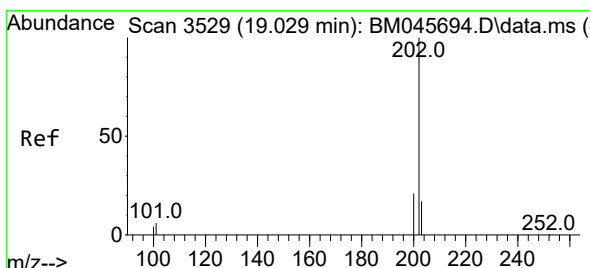
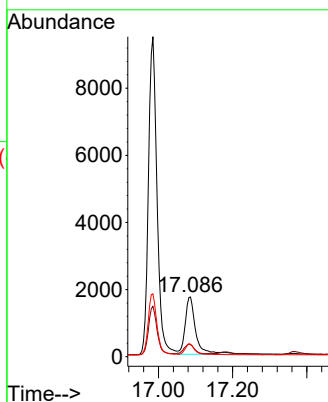
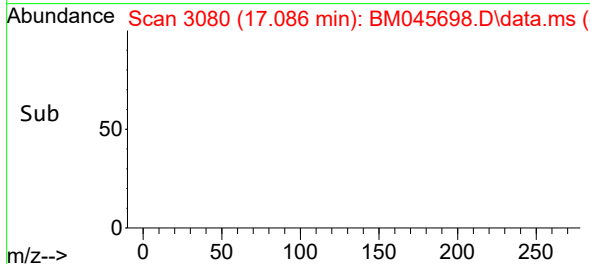
Instrument :
 BNA_M
 ClientSampleId :
 E1CX6MSD



Tgt Ion:178 Resp: 347
 Ion Ratio Lower Upper
 178 100
 179 20.0 20.9 31.3
 176 21.0 22.9 34.3

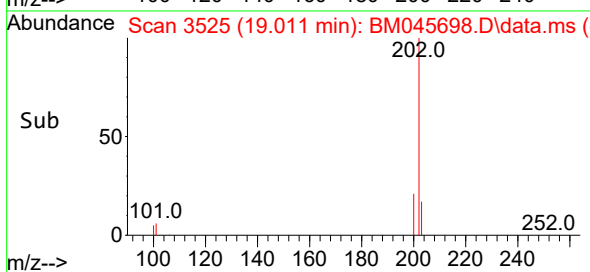
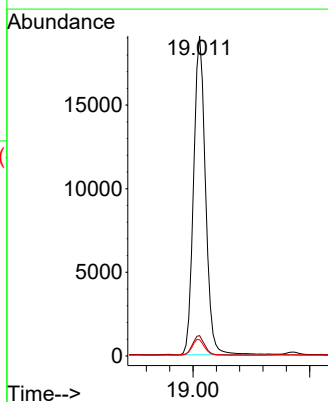
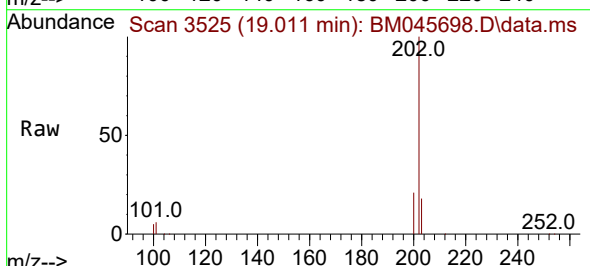
Manual Integrations
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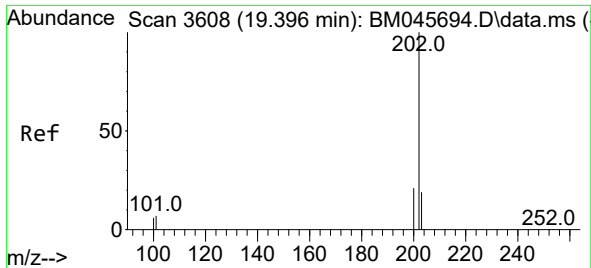
Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



#19
 Fluoranthene
 Concen: 4.472 ng/ul
 RT: 19.011 min Scan# 3525
 Delta R.T. -0.032 min
 Lab File: BM045698.D
 Acq: 03 May 2024 16:28

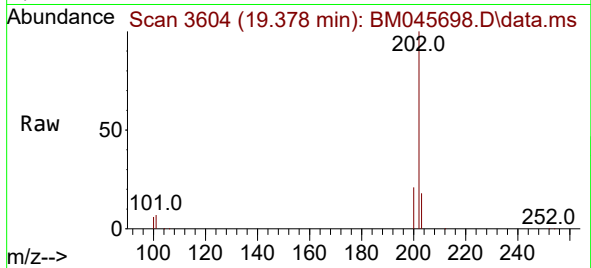
Tgt Ion:202 Resp: 27061
 Ion Ratio Lower Upper
 202 100
 101 6.4 10.1 15.1#
 100 5.0 9.4 14.0#





#20
Pyrene
Concen: 3.845 ng/ul
RT: 19.378 min Scan# 30
Delta R.T. -0.032 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

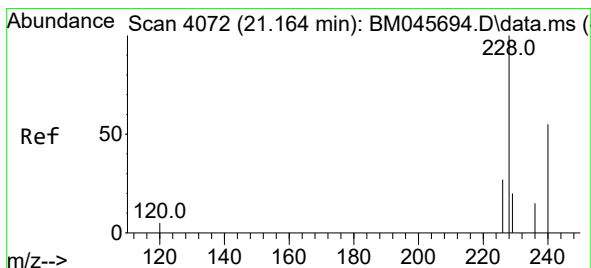
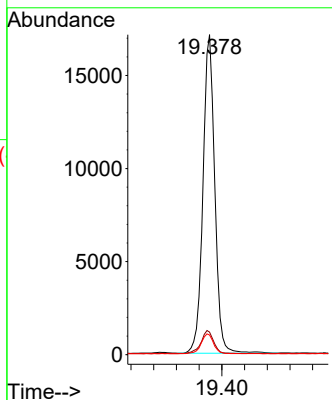
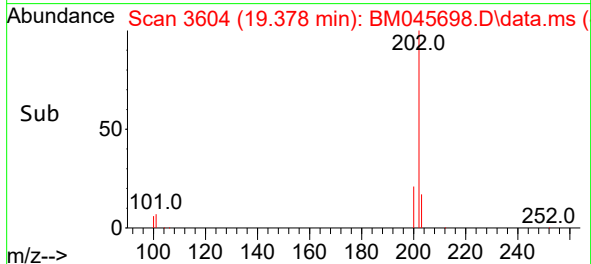
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



Tgt Ion:202 Resp: 2474
Ion Ratio Lower Upper
202 100
101 7.0 10.7 16.1
100 6.1 9.8 14.8

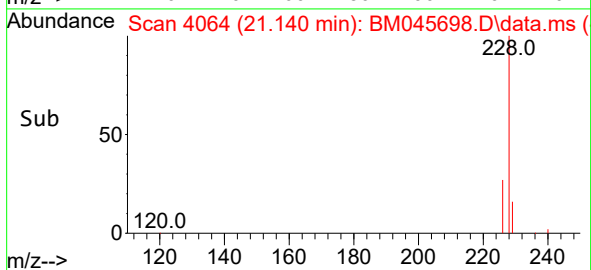
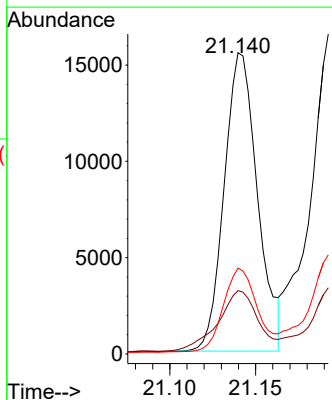
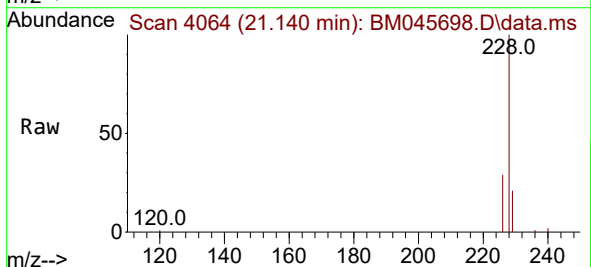
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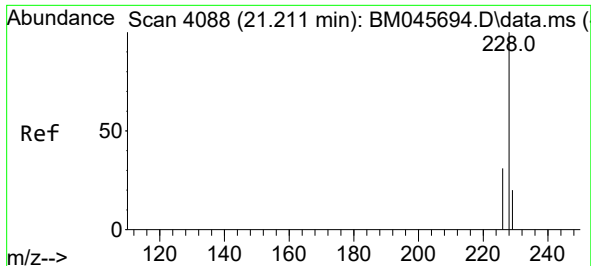
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#21
Benzo(a)anthracene
Concen: 3.762 ng/ul
RT: 21.140 min Scan# 4064
Delta R.T. -0.038 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

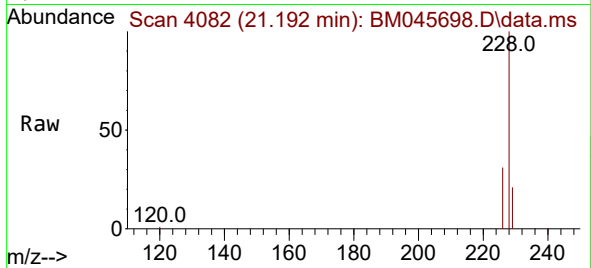
Tgt Ion:228 Resp: 20909
Ion Ratio Lower Upper
228 100
229 21.0 21.3 31.9#
226 28.5 25.5 38.3





#22
Chrysene
Concen: 3.160 ng/ul
RT: 21.192 min Scan# 4082
Delta R.T. -0.032 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

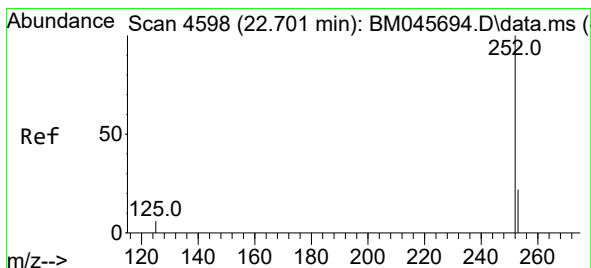
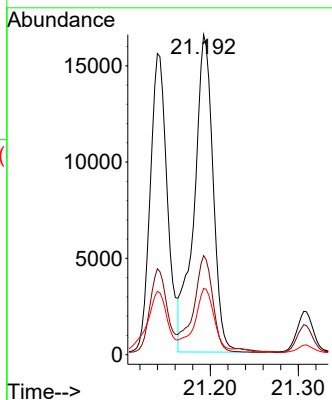
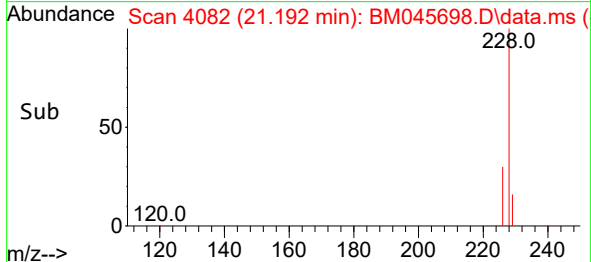
Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



Tgt Ion:228 Resp: 24859
Ion Ratio Lower Upper
228 100
226 30.9 27.7 41.5
229 20.7 19.7 29.5

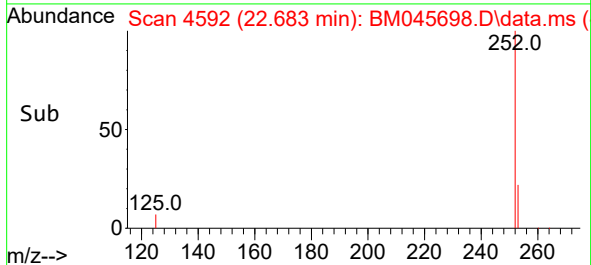
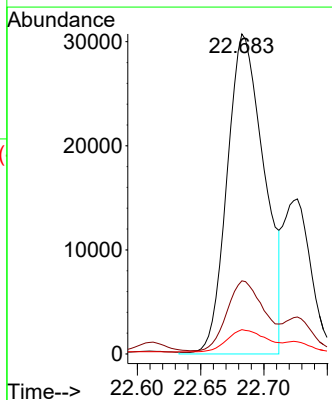
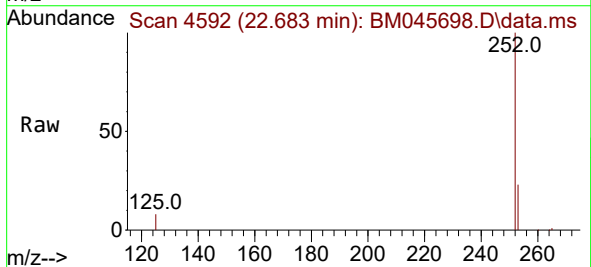
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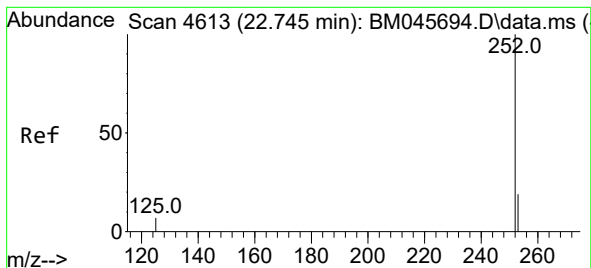
Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#24
Benzo(b)fluoranthene
Concen: 8.645 ng/ul m
RT: 22.683 min Scan# 4592
Delta R.T. -0.038 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

Tgt Ion:252 Resp: 62748
Ion Ratio Lower Upper
252 100
253 22.8 0.0 67.2
125 7.6 0.0 28.0





#25

Benzo(k)fluoranthene

Concen: 2.838 ng/ul m

RT: 22.726 min Scan# 4

Delta R.T. -0.038 min

Lab File: BM045698.D

Acq: 03 May 2024 16:28

Instrument :

BNA_M

ClientSampleId :

E1CX6MSD

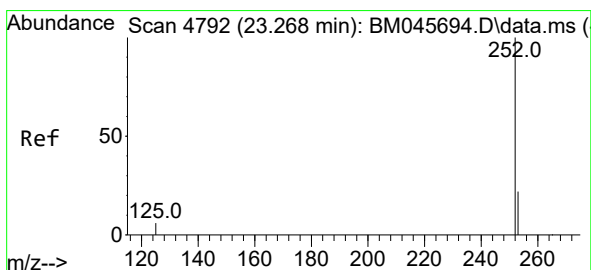
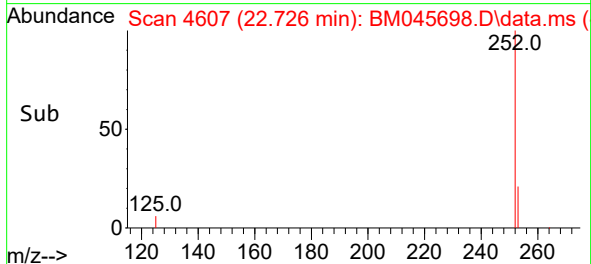
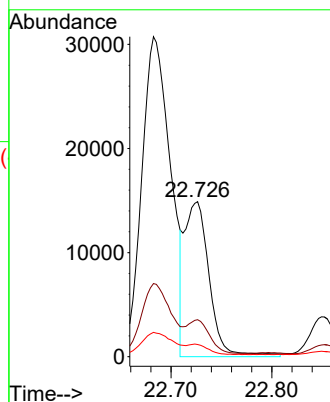
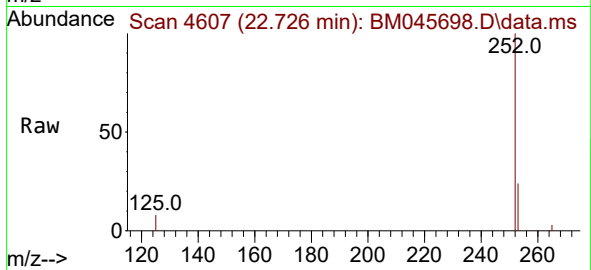
Tgt Ion:252 Resp: 25504

Ion	Ratio	Lower	Upper
252	100		
253	23.8	27.8	41.6
125	7.9	11.9	17.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#26

Benzo(a)pyrene

Concen: 6.230 ng/ul

RT: 23.235 min Scan# 4781

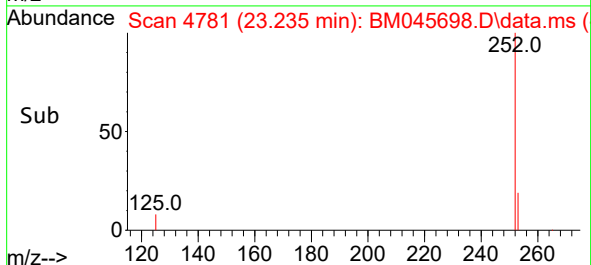
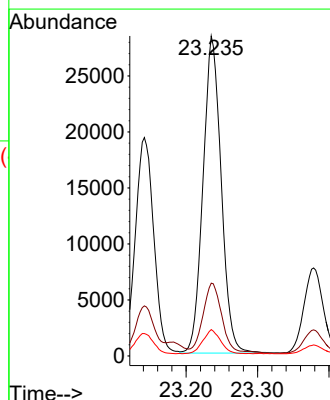
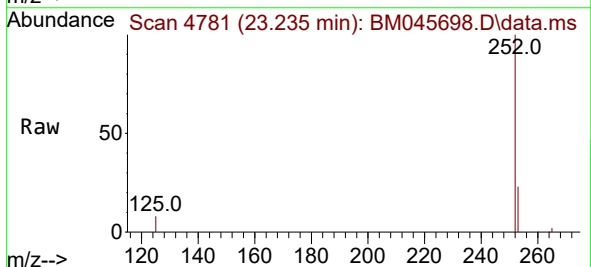
Delta R.T. -0.052 min

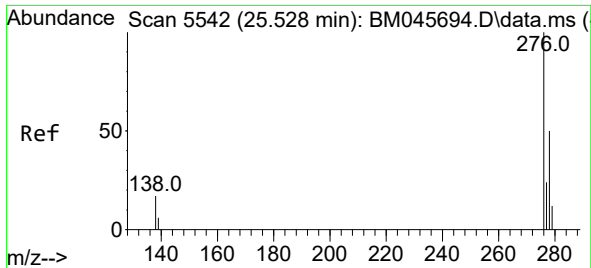
Lab File: BM045698.D

Acq: 03 May 2024 16:28

Tgt Ion:252 Resp: 50121

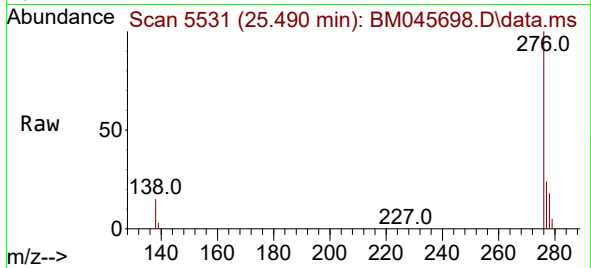
Ion	Ratio	Lower	Upper
252	100		
253	22.8	31.7	47.5
125	8.3	15.8	23.6





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.587 ng/ul
 RT: 25.490 min Scan# 5531
 Delta R.T. -0.077 min
 Lab File: BM045698.D
 Acq: 03 May 2024 16:28

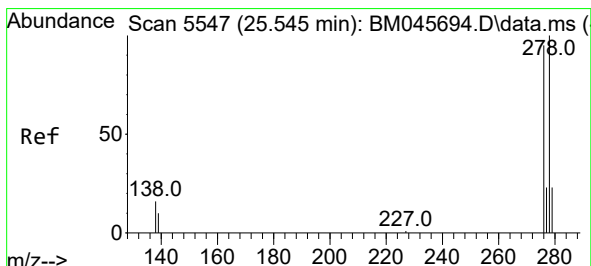
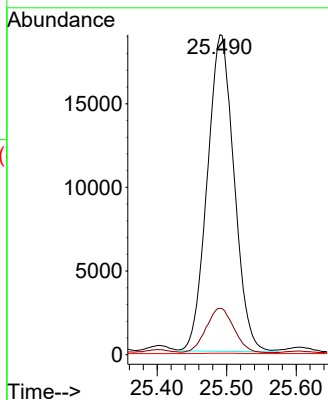
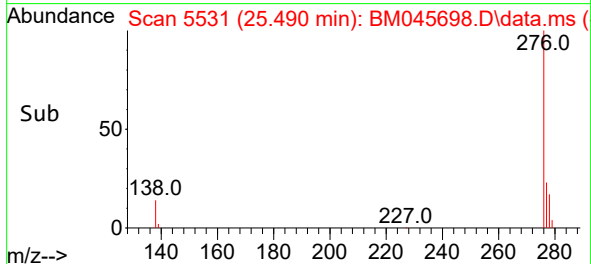
Instrument :
 BNA_M
 ClientSampleId :
 E1CX6MSD



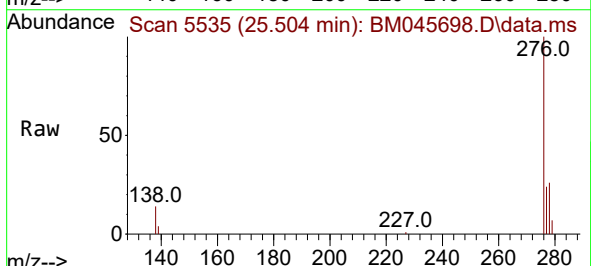
Tgt Ion: 276 Resp: 5082
 Ion Ratio Lower Upper
 276 100
 138 14.6 13.1 19.7
 227 0.1 0.2 0.2

Manual Integrations
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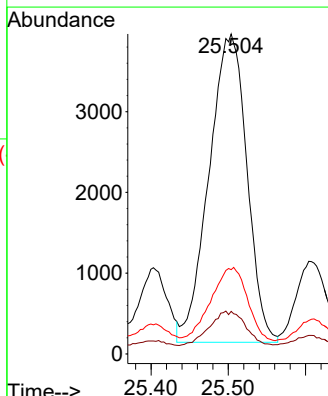
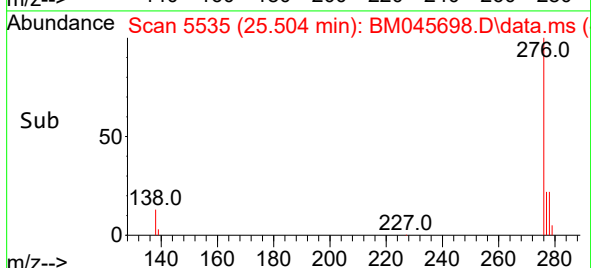
Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

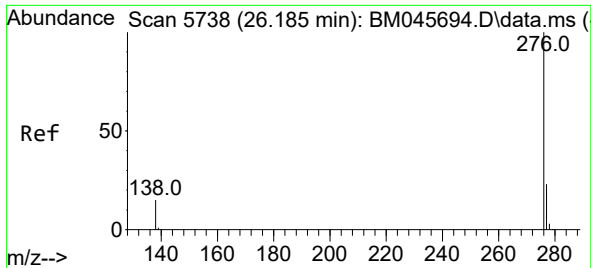


#28
 Dibenzo(a,h)anthracene
 Concen: 1.465 ng/ul m
 RT: 25.504 min Scan# 5535
 Delta R.T. -0.084 min
 Lab File: BM045698.D
 Acq: 03 May 2024 16:28



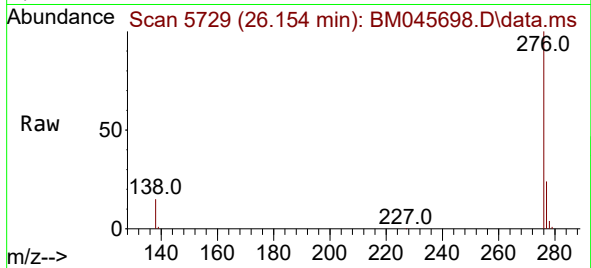
Tgt Ion: 278 Resp: 12983
 Ion Ratio Lower Upper
 278 100
 139 13.3 16.9 25.3#
 279 26.4 31.8 47.8#





#29
Benzo(g,h,i)perylene
Concen: 5.791 ng/ul
RT: 26.154 min Scan# 51
Delta R.T. -0.070 min
Lab File: BM045698.D
Acq: 03 May 2024 16:28

Instrument :
BNA_M
ClientSampleId :
E1CX6MSD



Tgt Ion:276 Resp: 5689
Ion Ratio Lower Upper
276 100
138 15.4 18.8 28.2
277 23.7 27.1 40.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

