

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122624\
 Data File : BM049229.D
 Acq On : 26 Dec 2024 16:58
 Operator : RC/JU
 Sample : P5333-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2920DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 26 21:58:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	5477	0.400	ng/ul	0.00
4) Naphthalene-d8	10.304	136	16913	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	10529	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.930	188	23810	0.400	ng/ul	0.00
17) Chrysene-d12	21.134	240	21008	0.400	ng/ul	0.00
23) Perylene-d12	23.288	264	22738	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	6009	0.951	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	1285	0.057	ng/ul	0.00
18) Fluoranthene-d10	18.965	212	2621	0.044	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.354	128	5759	0.136	ng/ul	97
7) 2-Methylnaphthalene	11.981	142	6445	0.240	ng/ul	98
8) 1-Methylnaphthalene	12.207	142	2042	0.074	ng/ul	100
11) Acenaphthene	14.243	153	1346	0.042	ng/ul	97
12) Fluorene	15.238	166	1032	0.029	ng/ul#	90
15) Phenanthrene	16.972	178	36043	0.580	ng/ul	99
16) Anthracene	17.061	178	6241	0.109	ng/ul#	94
19) Fluoranthene	18.997	202	107802	1.419	ng/ul	98
20) Pyrene	19.360	202	112147	1.384	ng/ul	98
21) Benzo(a)anthracene	21.119	228	86434	1.183	ng/ul	98
22) Chrysene	21.169	228	100632	1.283	ng/ul	97
24) Benzo(b)fluoranthene	22.648	252	174609m	2.404	ng/ul	
25) Benzo(k)fluoranthene	22.686	252	57464m	0.721	ng/ul	
26) Benzo(a)pyrene	23.191	252	124938m	1.793	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.417	276	97092	0.985	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.423	278	22800	0.298	ng/ul	97
29) Benzo(g,h,i)perylene	26.067	276	105301	1.328	ng/ul	97

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

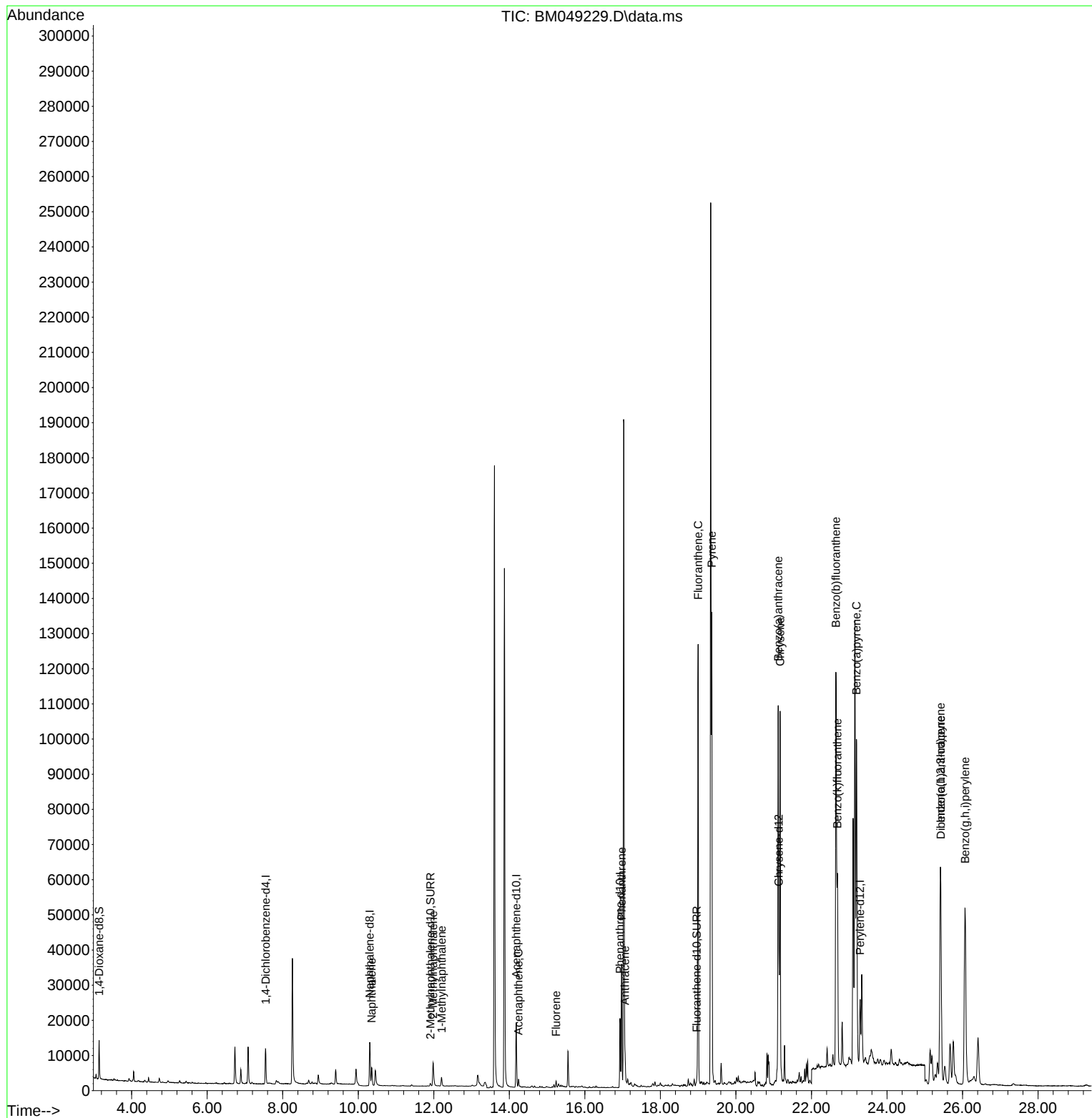
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Data File : BM049229.D
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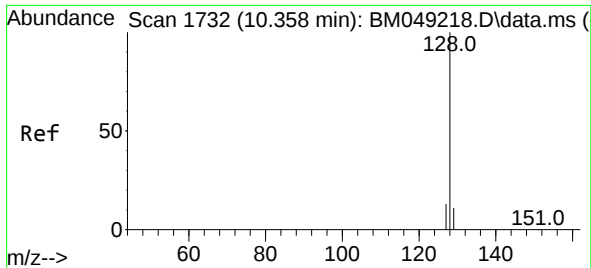
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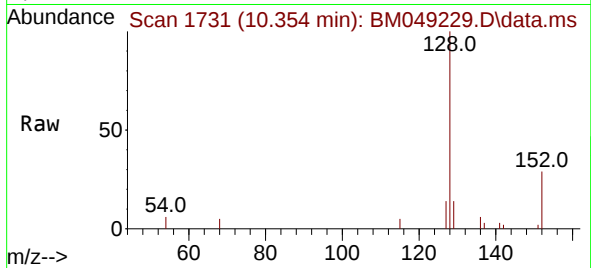
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024





#5
Naphthalene
Concen: 0.136 ng/u1
RT: 10.354 min Scan# 1732
Delta R.T. -0.004 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

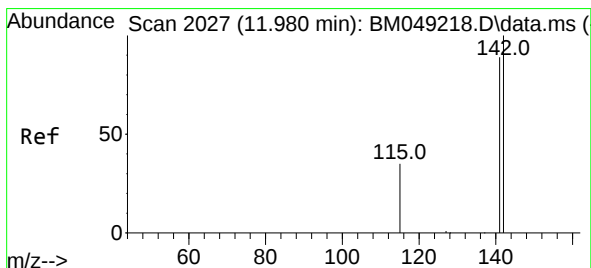
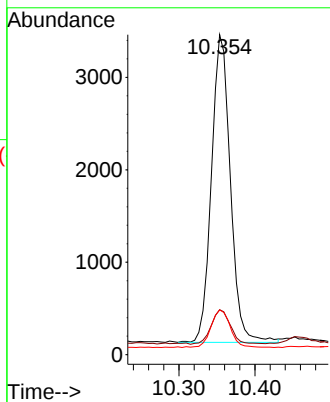
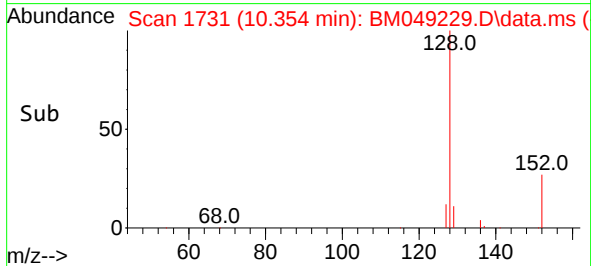
Instrument :
BNA_M
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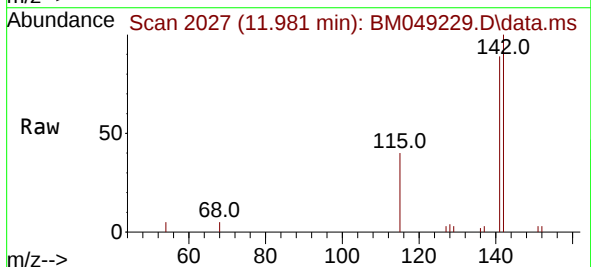
Tgt Ion:128 Resp: 5759
Ion Ratio Lower Upper
128 100
129 14.1 9.7 14.5
127 14.0 10.6 16.0

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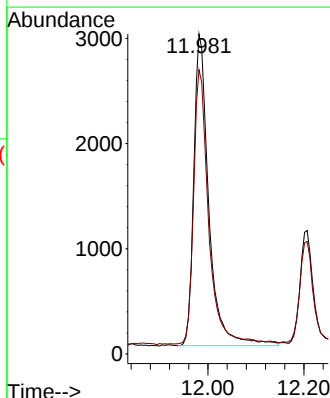
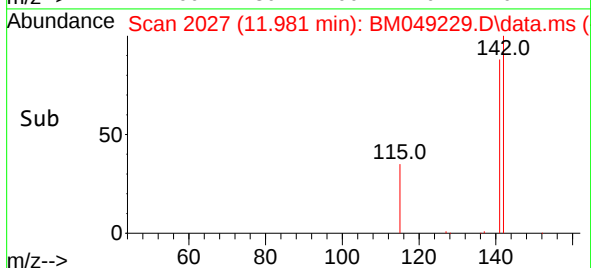
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Supervised By :mohammad ahmed 12/30/2024

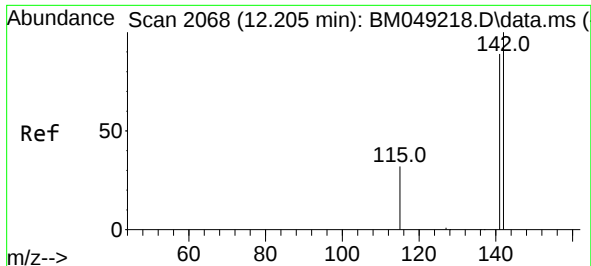


#7
2-Methylnaphthalene
Concen: 0.240 ng/u1
RT: 11.981 min Scan# 2027
Delta R.T. 0.001 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58



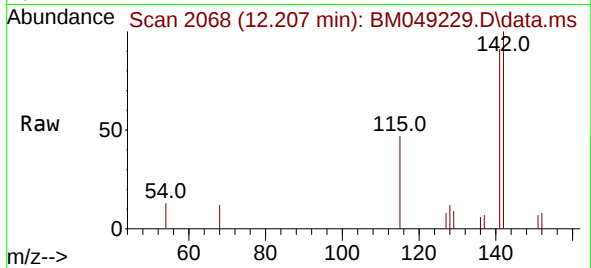
Tgt Ion:142 Resp: 6445
Ion Ratio Lower Upper
142 100
141 87.6 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.074 ng/ul
RT: 12.207 min Scan# 2068
Delta R.T. 0.001 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

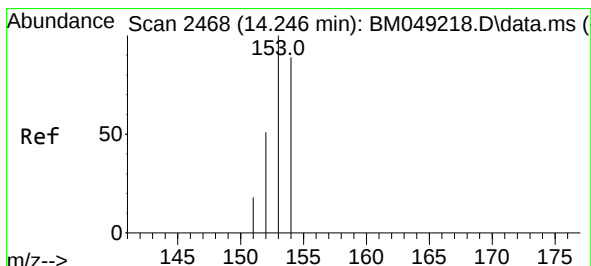
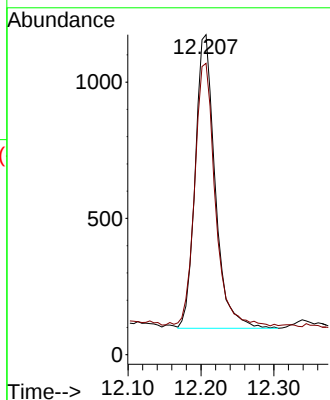
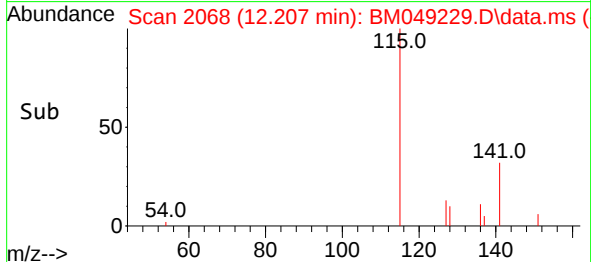
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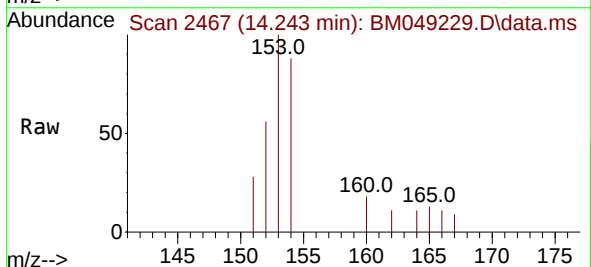
Tgt Ion:142 Resp: 204
Ion Ratio Lower Upper
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141 90.9 72.7 109.1

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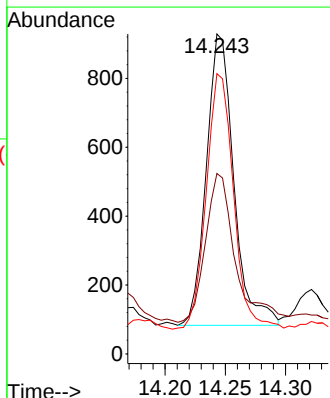
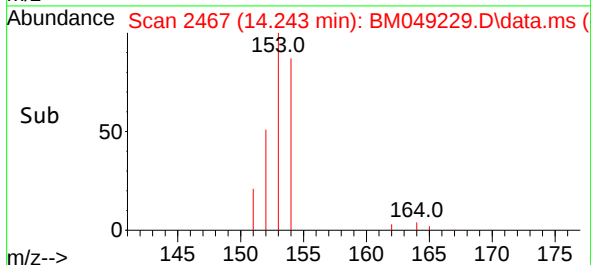
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Supervised By :mohammad ahmed 12/30/2024

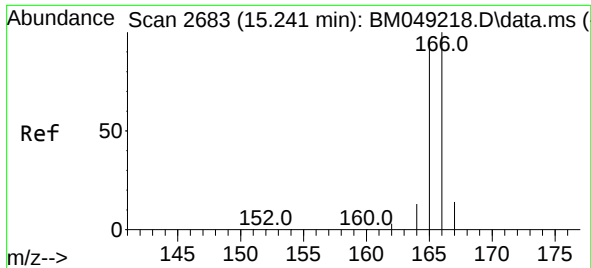


#11
Acenaphthene
Concen: 0.042 ng/ul
RT: 14.243 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58



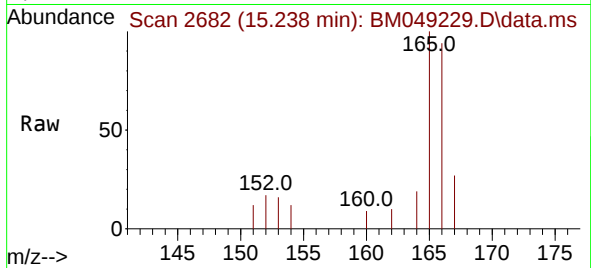
Tgt Ion:153 Resp: 1346
Ion Ratio Lower Upper
153 100
152 56.4 40.7 61.1
154 87.6 70.8 106.2





#12
Fluorene
Concen: 0.029 ng/u1
RT: 15.238 min Scan# 20
Delta R.T. -0.003 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

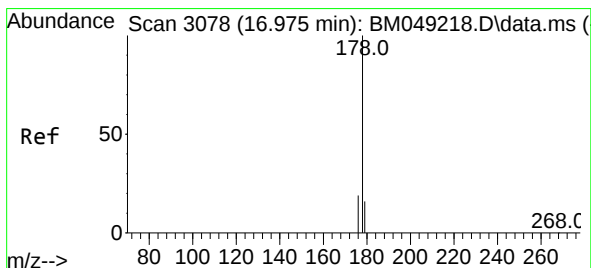
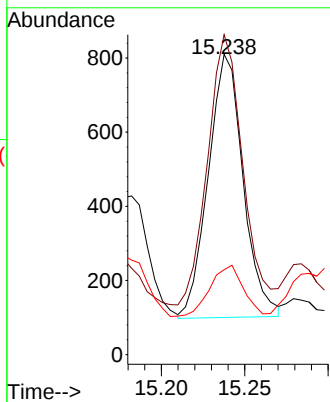
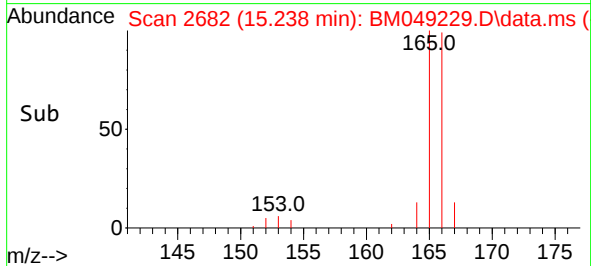
Instrument :
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Tgt Ion:166 Resp: 103
Ion Ratio Lower Upper
166 100
165 106.5 79.7 119.5
167 28.3 11.4 17.0

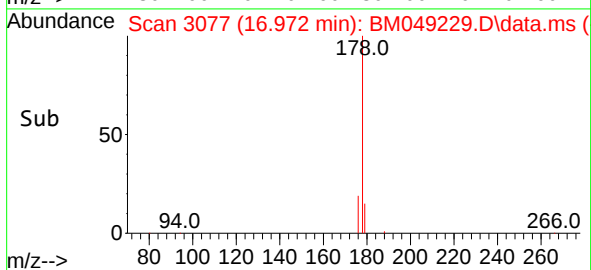
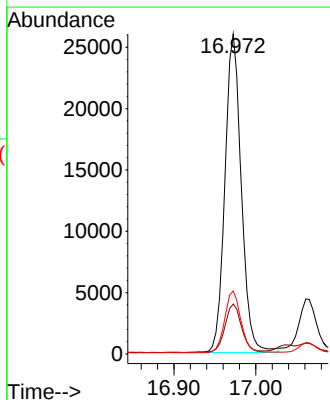
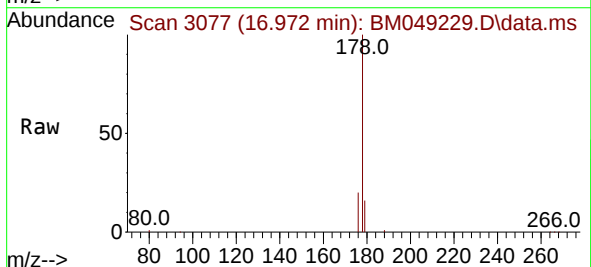
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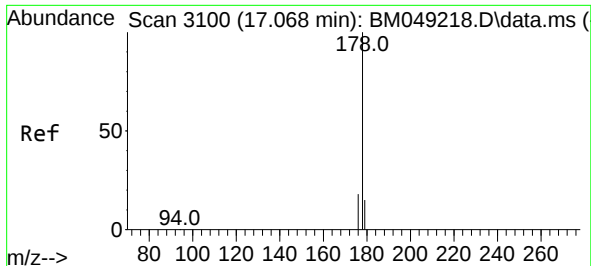
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#15
Phenanthrene
Concen: 0.580 ng/u1
RT: 16.972 min Scan# 3077
Delta R.T. -0.003 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

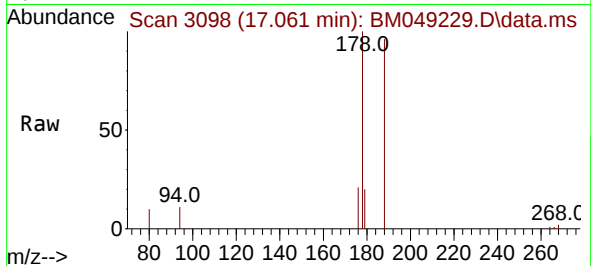
Tgt Ion:178 Resp: 36043
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.4
176 19.6 16.2 24.2





#16
 Anthracene
 Concen: 0.109 ng/u1
 RT: 17.061 min Scan# 3098
 Delta R.T. -0.007 min
 Lab File: BM049229.D
 Acq: 26 Dec 2024 16:58

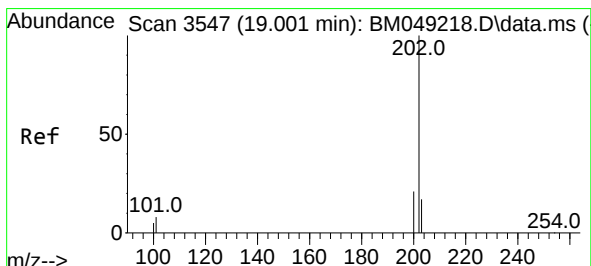
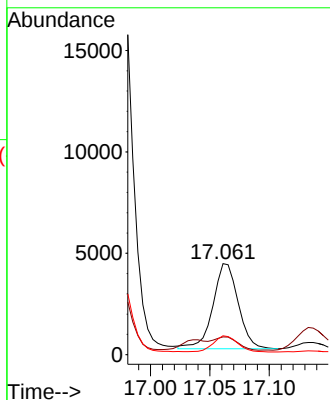
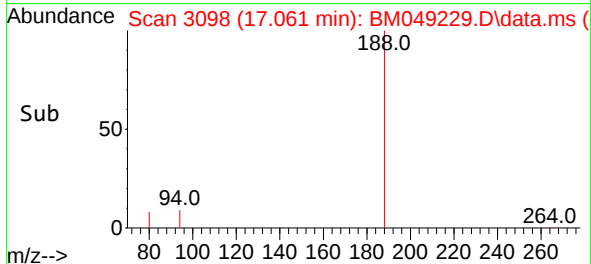
Instrument :
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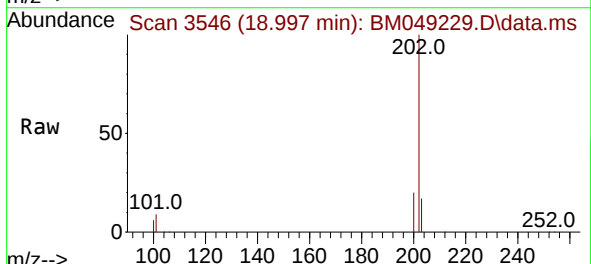
Tgt Ion:178 Resp: 624
 Ion Ratio Lower Upper
 178 100
 179 19.6 12.9 19.3
 176 20.7 15.3 22.9

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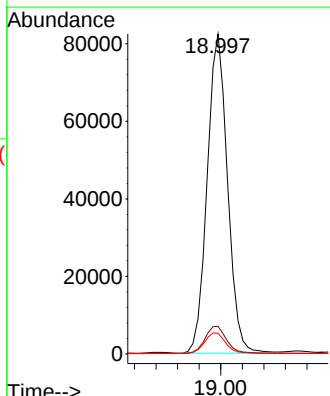
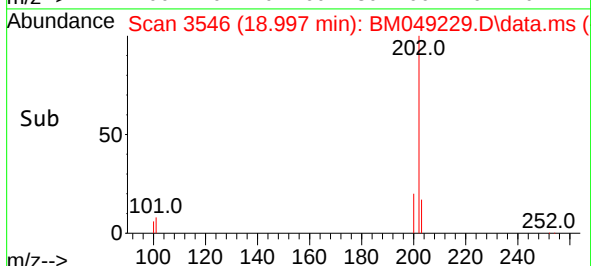
Reviewed By :Jagrut Upadhyay 12/27/2024
 Supervised By :mohammad ahmed 12/30/2024

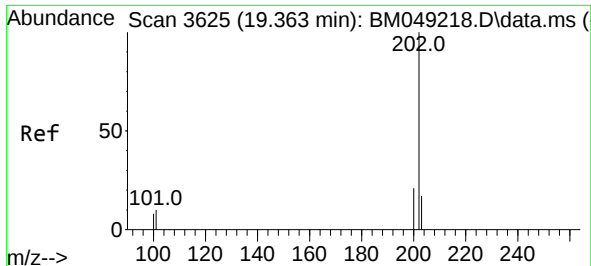


#19
 Fluoranthene
 Concen: 1.419 ng/u1
 RT: 18.997 min Scan# 3546
 Delta R.T. -0.003 min
 Lab File: BM049229.D
 Acq: 26 Dec 2024 16:58



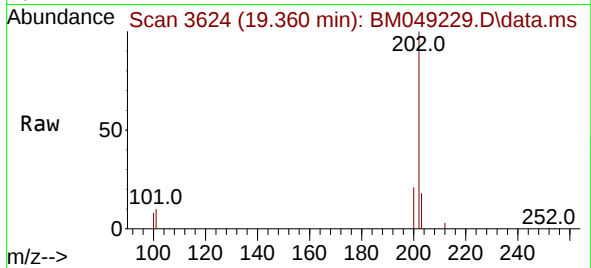
Tgt Ion:202 Resp: 107802
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.6 11.4
 100 6.5 5.5 8.3





#20
Pyrene
Concen: 1.384 ng/ul
RT: 19.360 min Scan# 3624
Delta R.T. -0.003 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

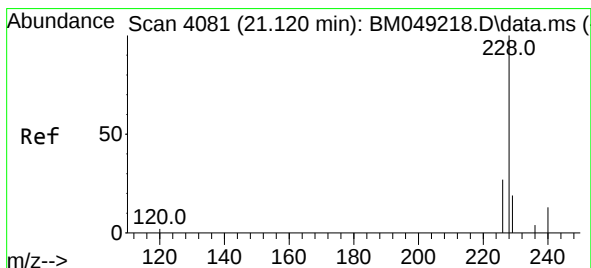
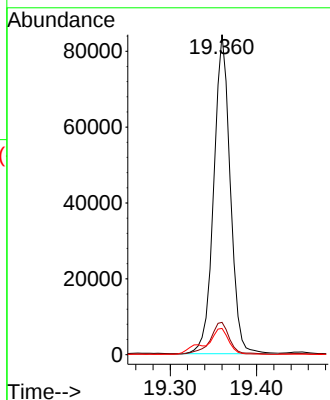
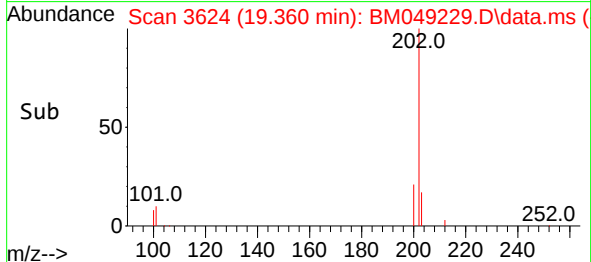
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Tgt Ion:202 Resp: 11214
Ion Ratio Lower Upper
202 100
101 10.1 8.9 13.3
100 8.2 6.9 10.3

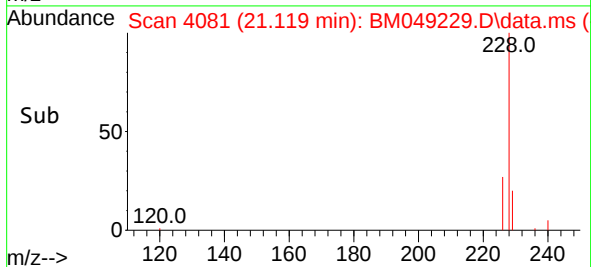
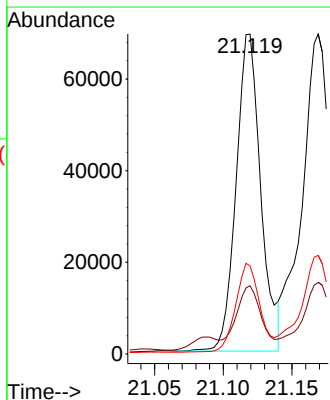
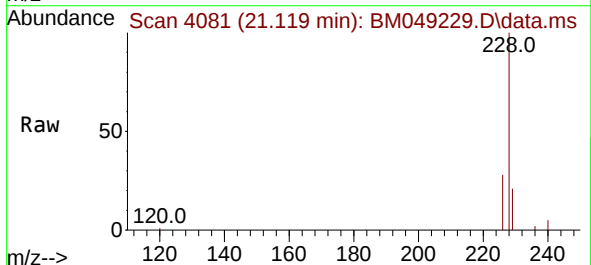
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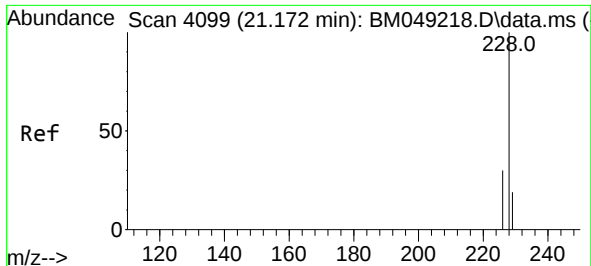
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Benzo(a)anthracene
Concen: 1.183 ng/ul
RT: 21.119 min Scan# 4081
Delta R.T. -0.000 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

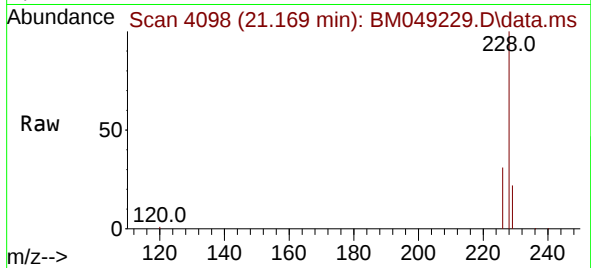
Tgt Ion:228 Resp: 86434
Ion Ratio Lower Upper
228 100
229 21.3 15.9 23.9
226 27.6 22.6 34.0





#22
Chrysene
Concen: 1.283 ng/ul
RT: 21.169 min Scan# 4098
Delta R.T. -0.003 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

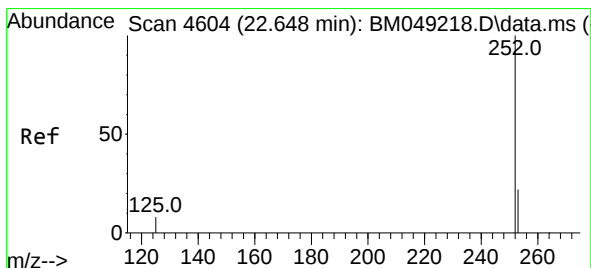
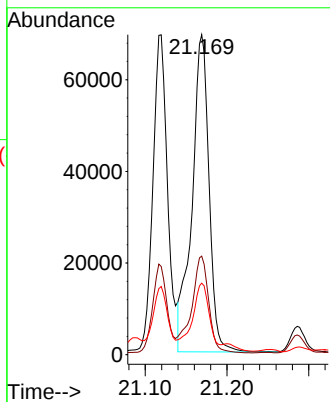
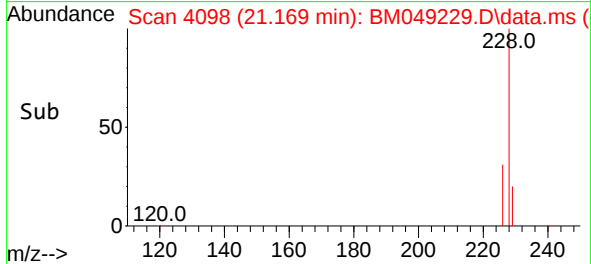
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Tgt Ion:228 Resp: 100632
Ion Ratio Lower Upper
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226 30.8 24.1 36.1
229 22.4 15.8 23.8

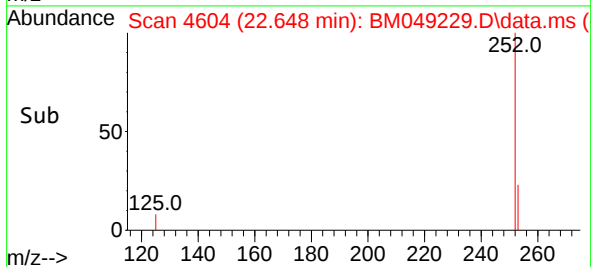
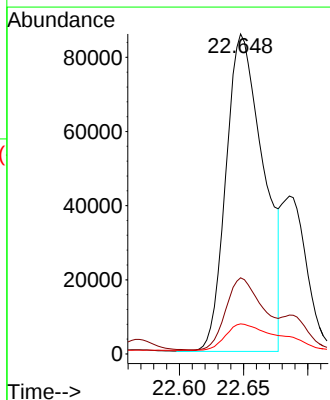
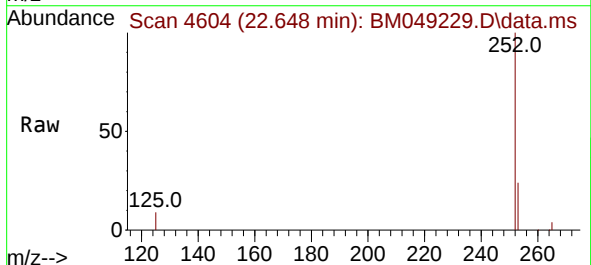
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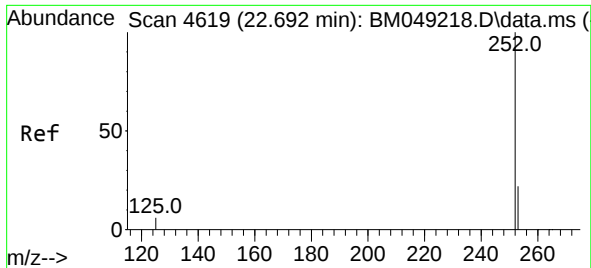
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#24
Benzo(b)fluoranthene
Concen: 2.404 ng/ul m
RT: 22.648 min Scan# 4604
Delta R.T. -0.000 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

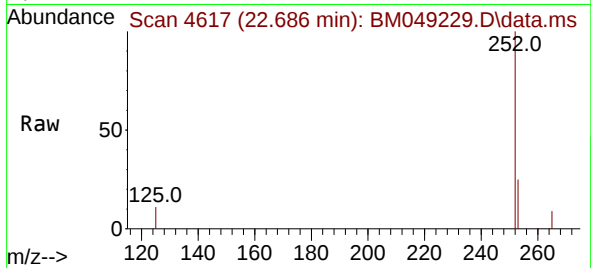
Tgt Ion:252 Resp: 174609
Ion Ratio Lower Upper
252 100
253 23.8 0.0 52.6
125 9.4 0.0 30.8





#25
Benzo(k)fluoranthene
Concen: 0.721 ng/ul m
RT: 22.686 min Scan# 4619
Delta R.T. -0.006 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

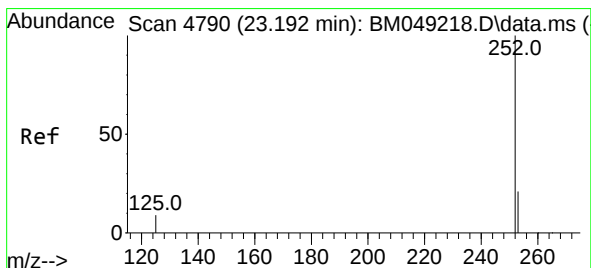
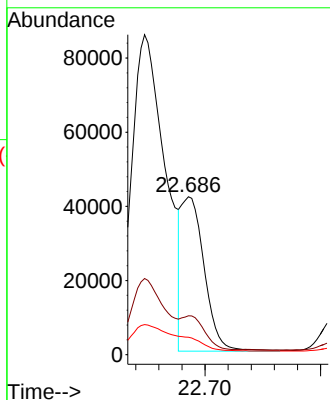
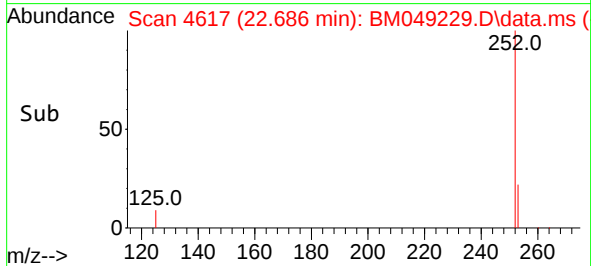
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Tgt Ion:252 Resp: 57464
Ion Ratio Lower Upper
252 100
253 24.6 21.3 31.9
125 11.0 12.6 18.8

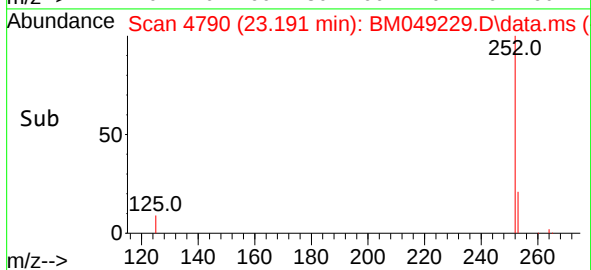
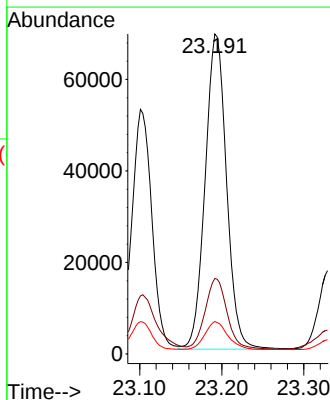
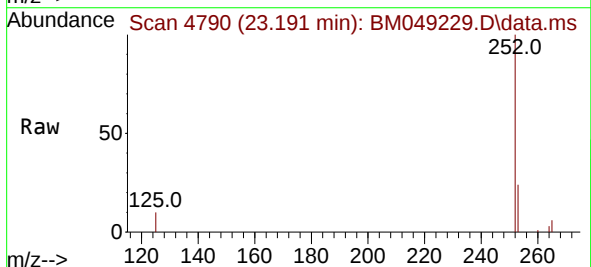
Manual Integrations
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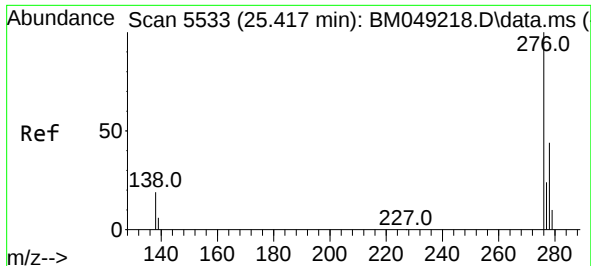
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#26
Benzo(a)pyrene
Concen: 1.793 ng/ul m
RT: 23.191 min Scan# 4790
Delta R.T. -0.000 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

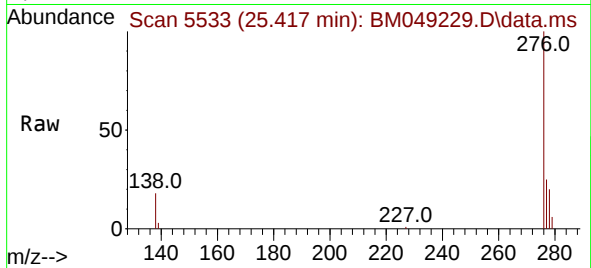
Tgt Ion:252 Resp: 124938
Ion Ratio Lower Upper
252 100
253 23.6 22.4 33.6
125 10.2 14.8 22.2#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.985 ng/ul
RT: 25.417 min Scan# 5533
Delta R.T. -0.000 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

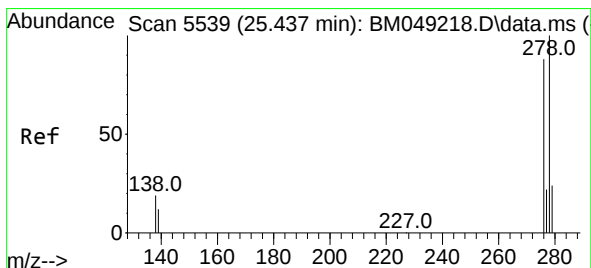
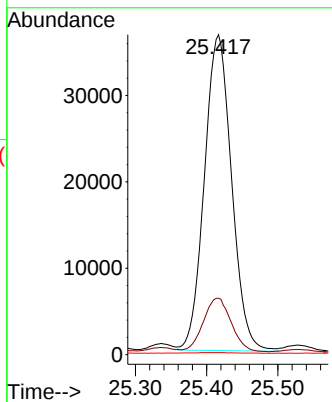
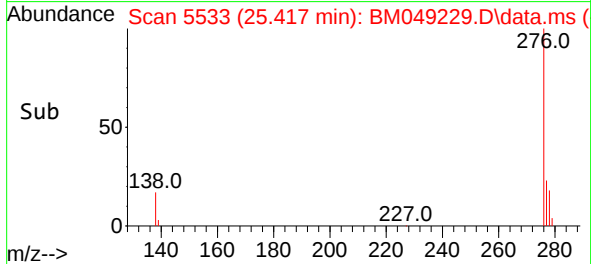
Instrument :
BNA_M
ClientSampleId :
E2920DL



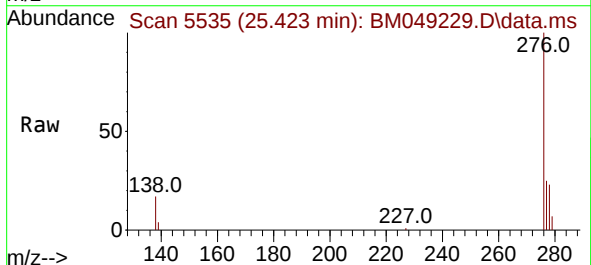
Tgt Ion:276 Resp: 97092
Ion Ratio Lower Upper
276 100
138 17.5 17.4 26.2
227 0.4 0.2 0.2

Manual Integrations
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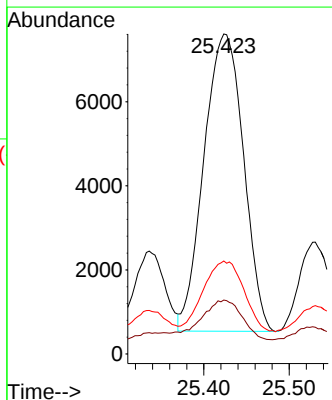
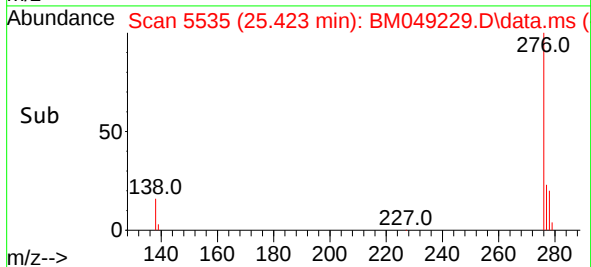
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

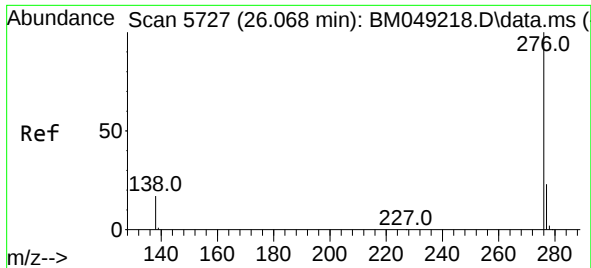


#28
Dibenzo(a,h)anthracene
Concen: 0.298 ng/ul
RT: 25.423 min Scan# 5535
Delta R.T. -0.014 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58



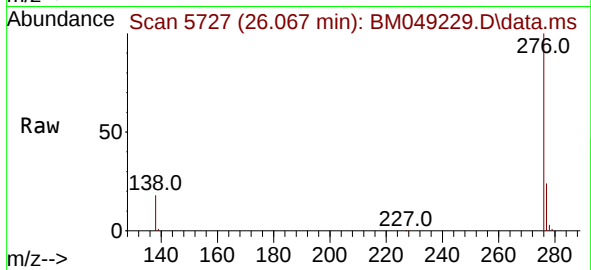
Tgt Ion:278 Resp: 22800
Ion Ratio Lower Upper
278 100
139 16.9 13.5 20.3
279 29.1 21.5 32.3





#29
Benzo(g,h,i)perylene
Concen: 1.328 ng/ul
RT: 26.067 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049229.D
Acq: 26 Dec 2024 16:58

Instrument :
BNA_M
ClientSampleId :
E2920DL



Tgt Ion:276 Resp: 10530
Ion Ratio Lower Upper
276 100
138 18.3 16.7 25.1
277 24.1 19.9 29.9

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Supervised By :mohammad ahmed 12/30/2024

