

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040279.D
 Acq On : 16 Jun 2023 14:05
 Operator : MA/JU
 Sample : 03080-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 16 23:38:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	8008	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	28156	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.605	164	13606	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	23006	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	16964	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	18208	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	32560	3.293	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	7205	0.202	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	10265	0.243	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.827	128	35298	0.529	ng/ul	99
7) 2-Methylnaphthalene	12.439	142	17194	0.415	ng/ul	99
8) 1-Methylnaphthalene	12.659	142	18827	0.434	ng/ul	98
10) Acenaphthylene	14.327	152	132920	2.793	ng/ul	99
11) Acenaphthene	14.670	153	41235	1.011	ng/ul	100
12) Fluorene	15.655	166	41952	0.923	ng/ul	99
15) Phenanthrene	17.391	178	842048	13.920	ng/ul	99
16) Anthracene	17.484	178	199129	3.886	ng/ul	99
19) Fluoranthene	19.403	202	1677935	29.037	ng/ul	100
20) Pyrene	19.765	202	1444019	24.051	ng/ul	99
21) Benzo(a)anthracene	21.509	228	725844	14.496	ng/ul	98
22) Chrysene	21.564	228	725414	13.714	ng/ul	97
24) Benzo(b)fluoranthene	23.213	252	1164397	17.347	ng/ul	91
25) Benzo(k)fluoranthene	23.257	252	459291m	7.266	ng/ul	
26) Benzo(a)pyrene	23.841	252	777041	14.108	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.464	276	642402	9.214	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.477	278	157975	2.823	ng/ul	98
29) Benzo(g,h,i)perylene	27.242	276	605069	10.391	ng/ul	99

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

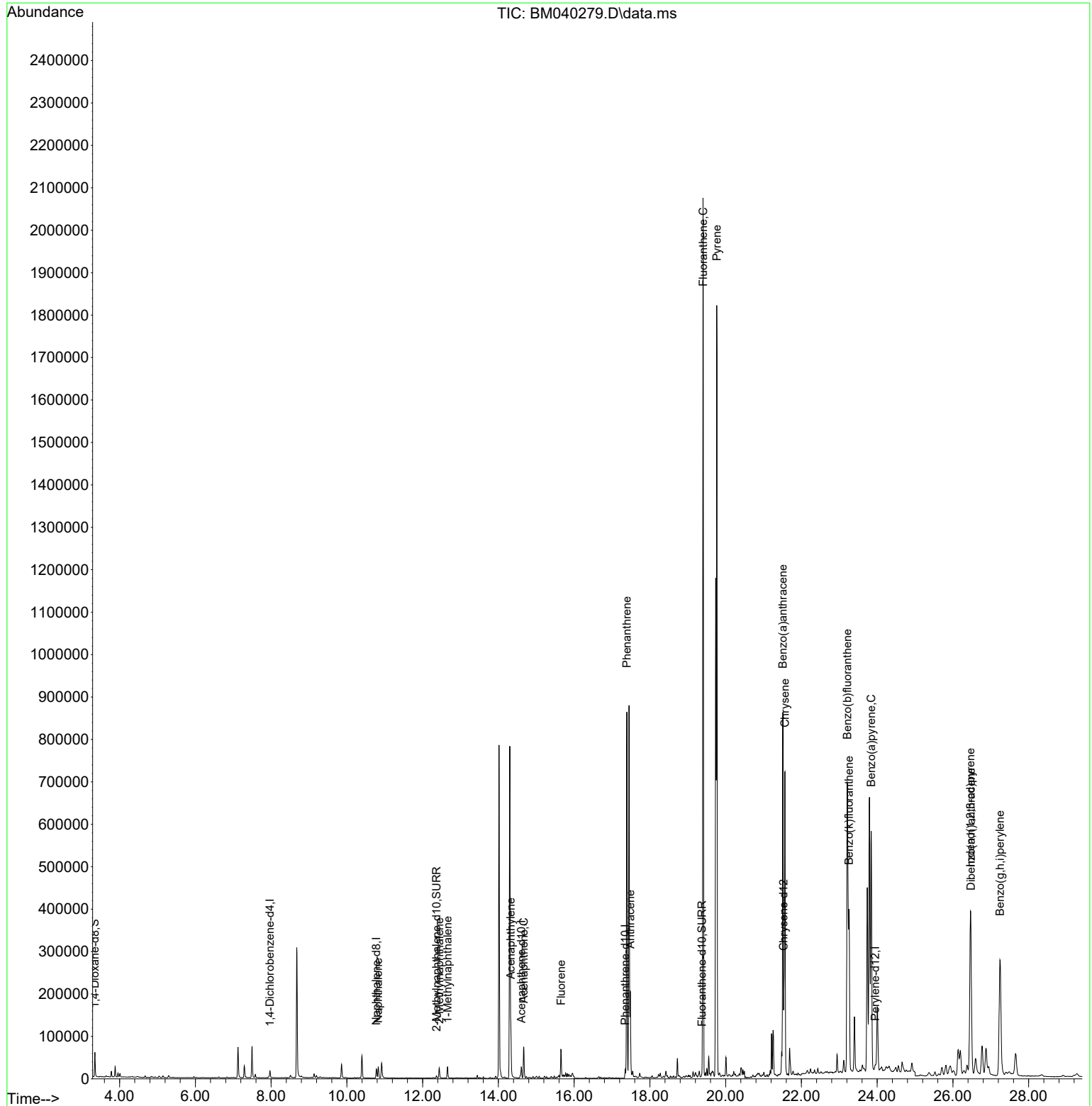
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
Data File : BM040279.D
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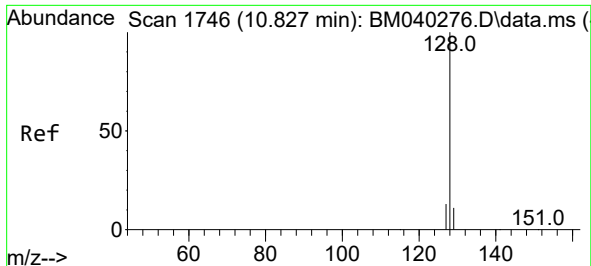
Instrument :
BNA_M
ClientSampleId :
DCFH2

Quant Time: Jun 16 23:38:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
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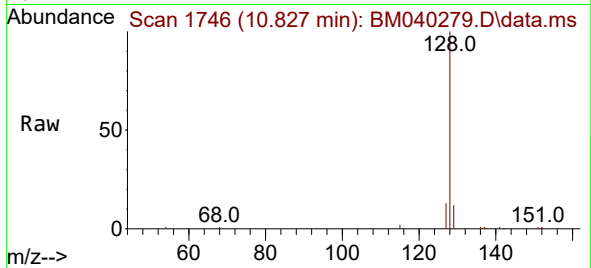
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#5
Naphthalene
Concen: 0.529 ng/ul
RT: 10.827 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

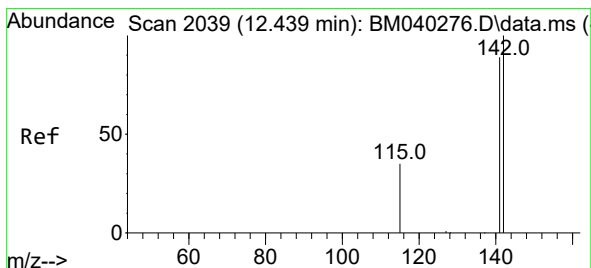
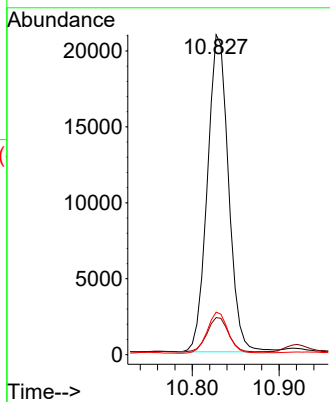
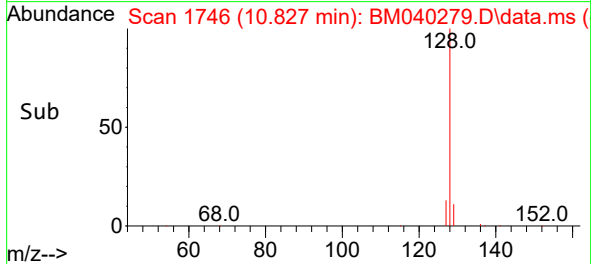
Instrument :
BNA_M
ClientSampleId :
DCFH2



Tgt Ion:128 Resp: 35298
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.3 10.4 15.6

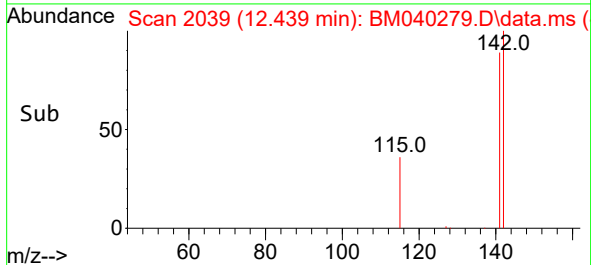
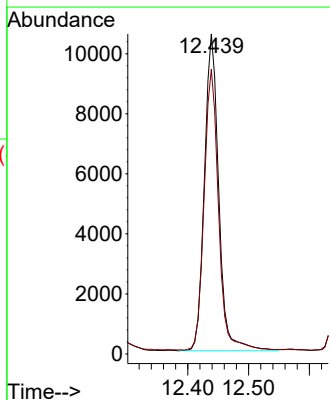
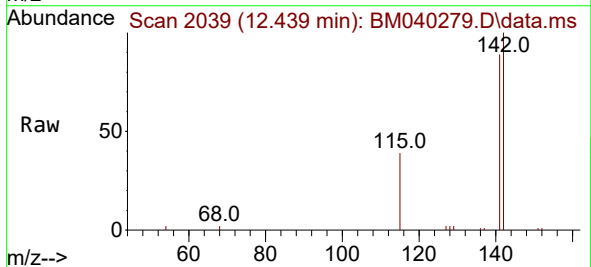
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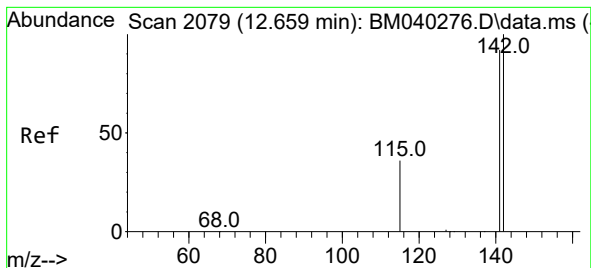
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#7
2-Methylnaphthalene
Concen: 0.415 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Tgt Ion:142 Resp: 17194
Ion Ratio Lower Upper
142 100
141 89.7 70.6 106.0





#8

1-Methylnaphthalene

Concen: 0.434 ng/ul

RT: 12.659 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

Tgt Ion:142 Resp: 1882

Ion Ratio Lower Upper

142 100

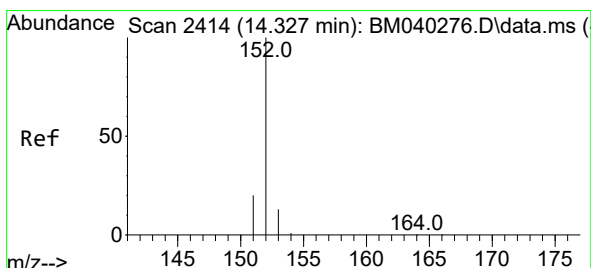
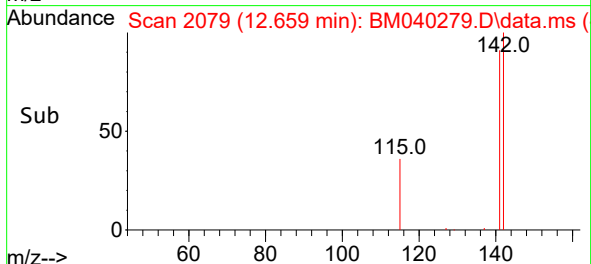
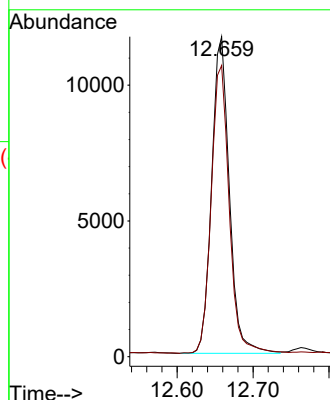
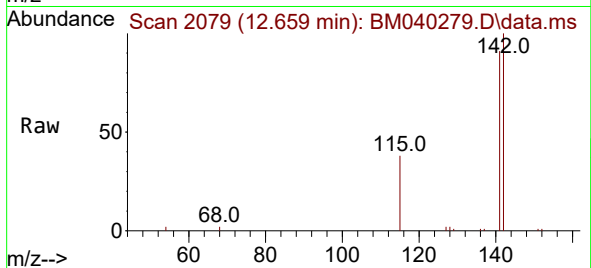
141 92.6 73.0 109.4

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#10

Acenaphthylene

Concen: 2.793 ng/ul

RT: 14.327 min Scan# 2414

Delta R.T. -0.005 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

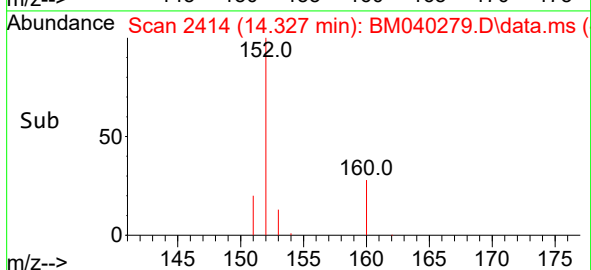
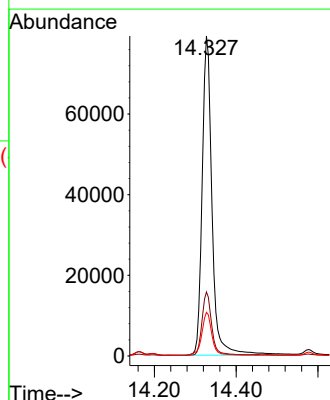
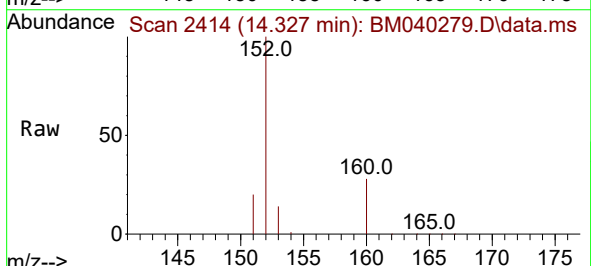
Tgt Ion:152 Resp: 132920

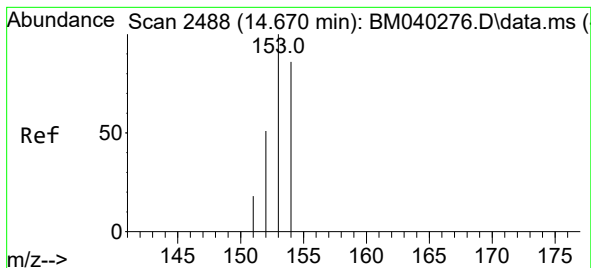
Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

153 13.7 10.7 16.1





#11

Acenaphthene

Concen: 1.011 ng/ul

RT: 14.670 min Scan# 2488

Delta R.T. -0.005 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

Tgt Ion:153 Resp: 41235

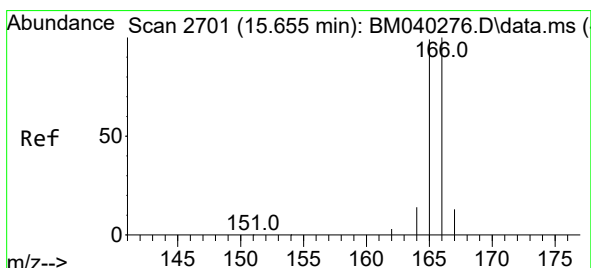
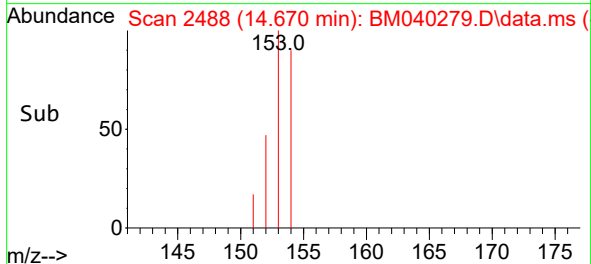
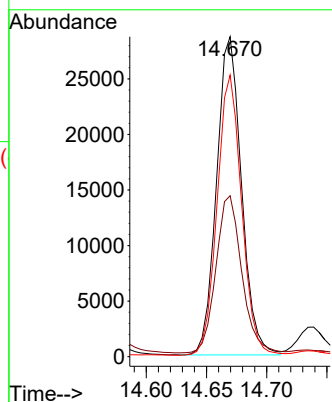
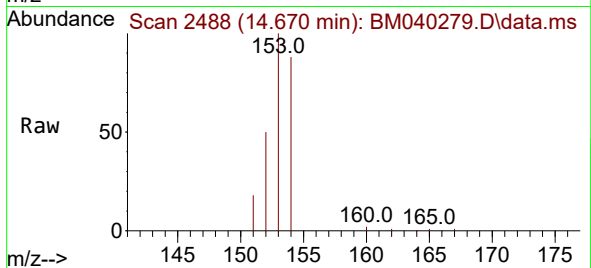
Ion	Ratio	Lower	Upper
153	100		
152	50.3	40.3	60.5
154	88.0	70.5	105.7

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#12

Fluorene

Concen: 0.923 ng/ul

RT: 15.655 min Scan# 2701

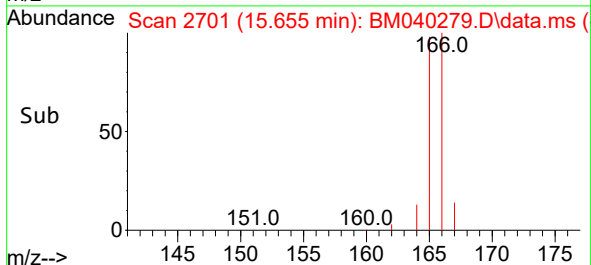
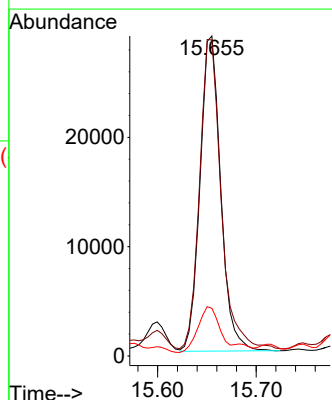
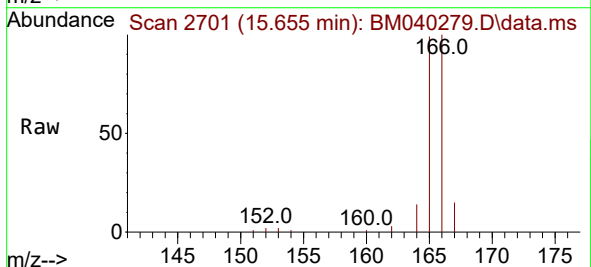
Delta R.T. -0.005 min

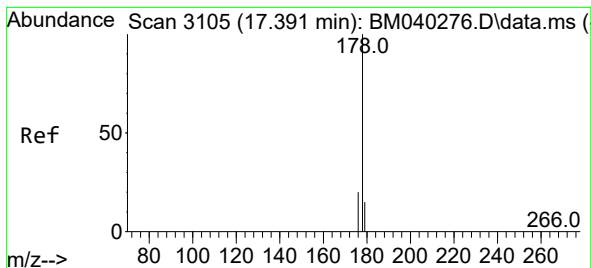
Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Tgt Ion:166 Resp: 41952

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.4
167	14.9	11.0	16.4





#15

Phenanthrene

Concen: 13.920 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

Tgt Ion:178 Resp: 84204

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

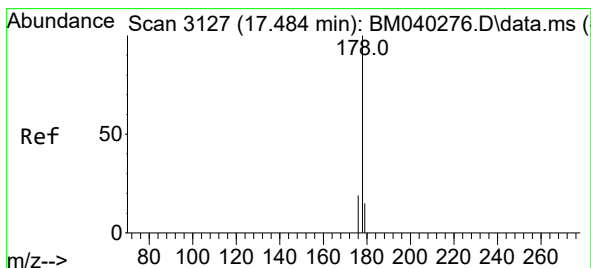
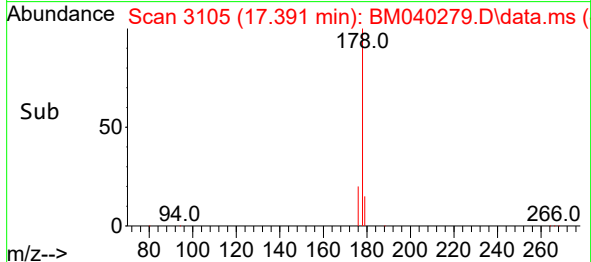
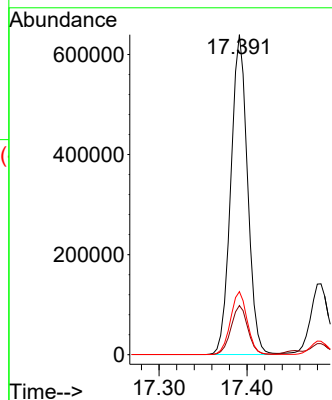
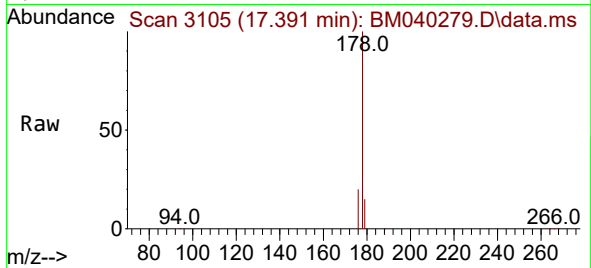
176 19.7 16.1 24.1

Manual Integrations

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#16

Anthracene

Concen: 3.886 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

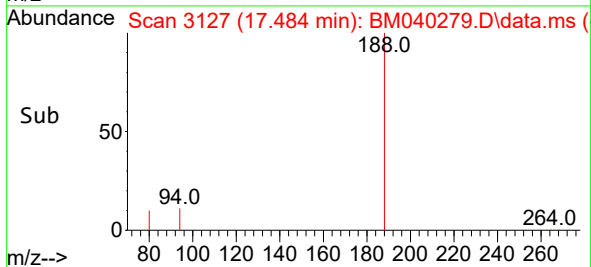
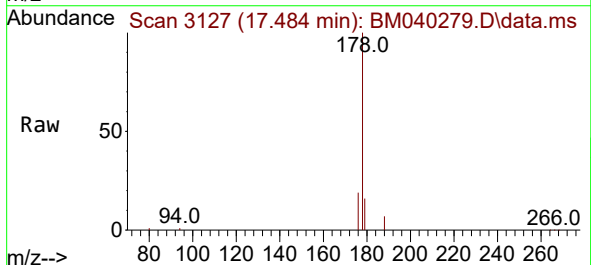
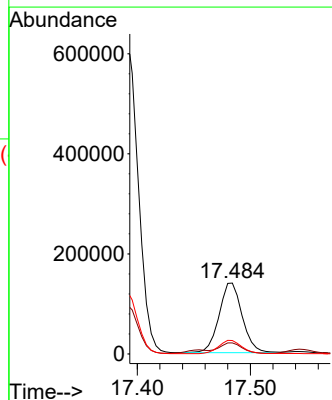
Tgt Ion:178 Resp: 199129

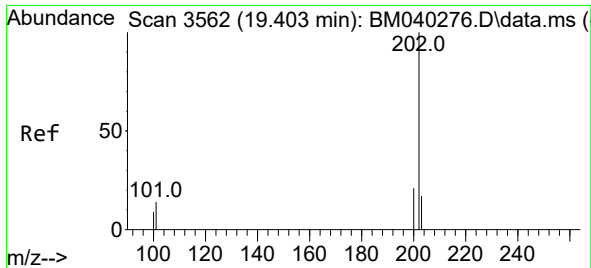
Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.4

176 19.0 15.5 23.3





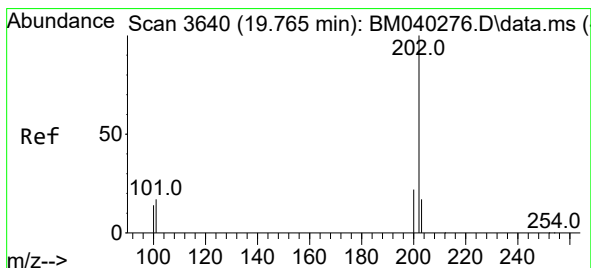
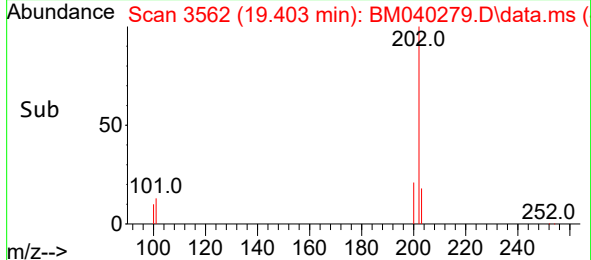
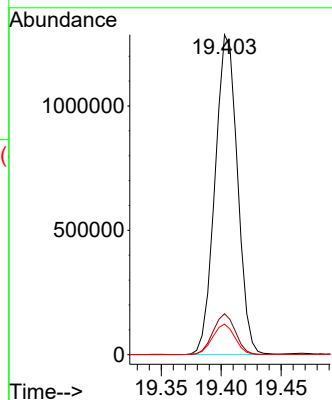
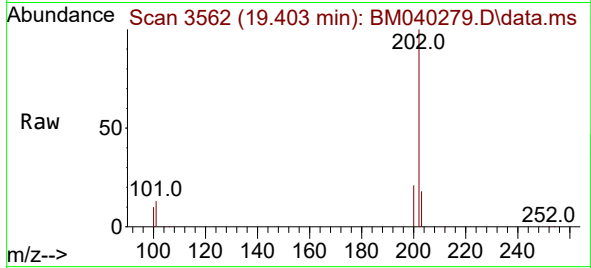
#19
Fluoranthene
Concen: 29.037 ng/ul
RT: 19.403 min Scan# 3562
Delta R.T. -0.005 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Instrument :
BNA_M
ClientSampleId :
DCFH2

Tgt Ion:202 Resp: 1677935
Ion Ratio Lower Upper
202 100
101 12.8 10.2 15.4
100 9.6 7.6 11.4

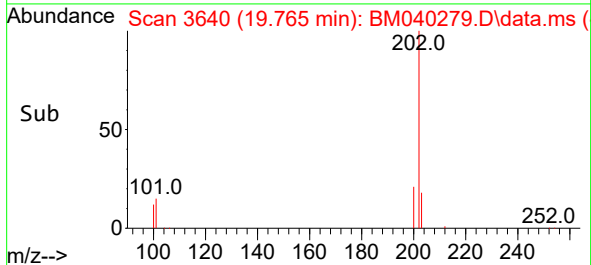
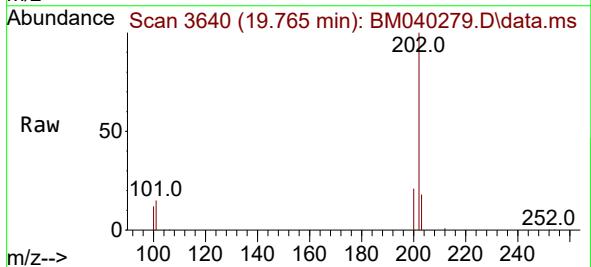
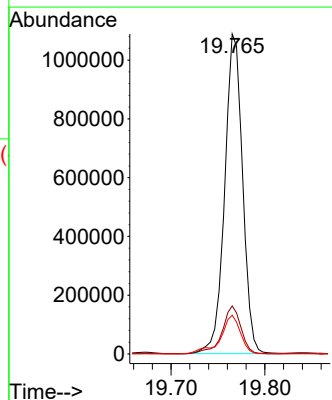
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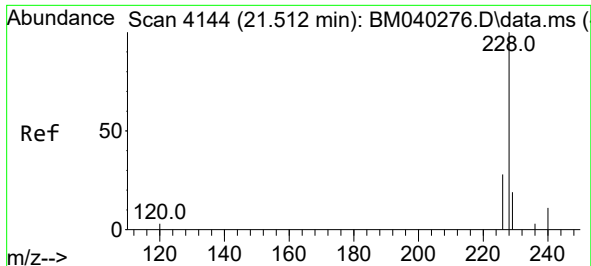
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#20
Pyrene
Concen: 24.051 ng/ul
RT: 19.765 min Scan# 3640
Delta R.T. -0.005 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

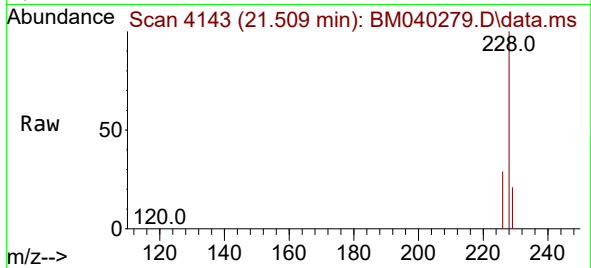
Tgt Ion:202 Resp: 1444019
Ion Ratio Lower Upper
202 100
101 15.0 11.8 17.8
100 12.1 9.3 13.9





#21
Benzo(a)anthracene
Concen: 14.496 ng/ul
RT: 21.509 min Scan# 4143
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

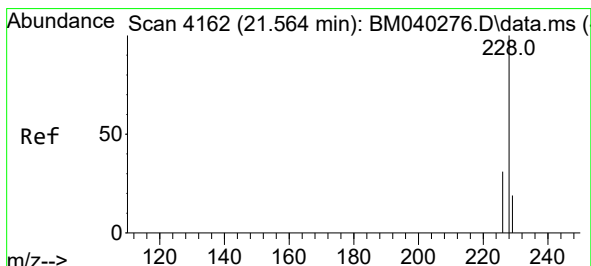
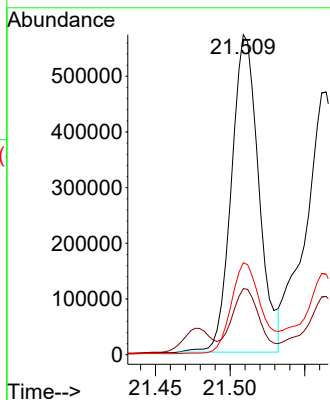
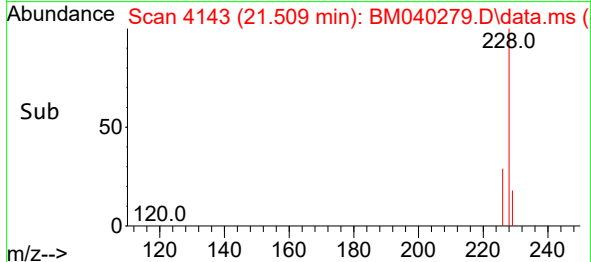
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BNA_M
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DCFH2



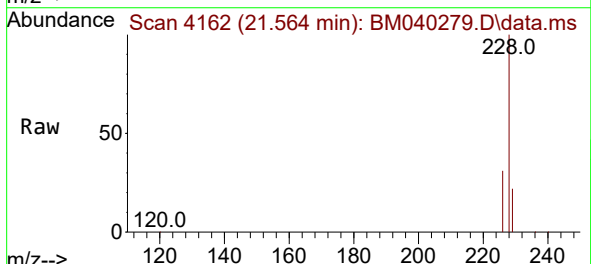
Tgt Ion:228 Resp: 725844
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.8
226 28.7 22.0 33.0

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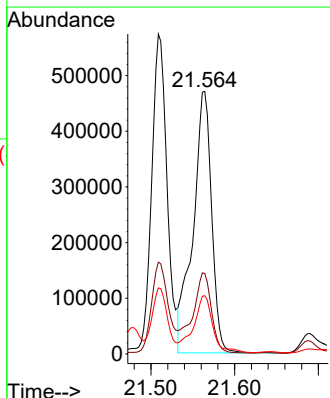
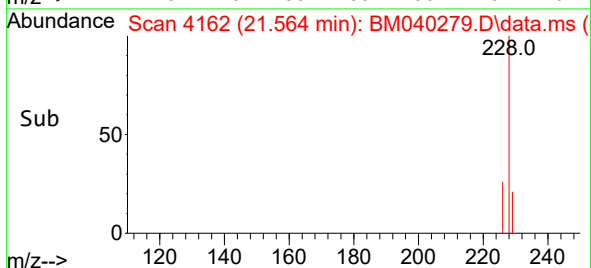
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

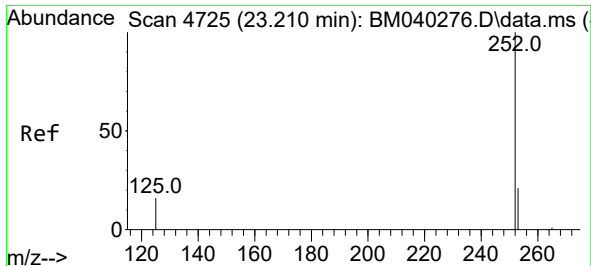


#22
Chrysene
Concen: 13.714 ng/ul
RT: 21.564 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05



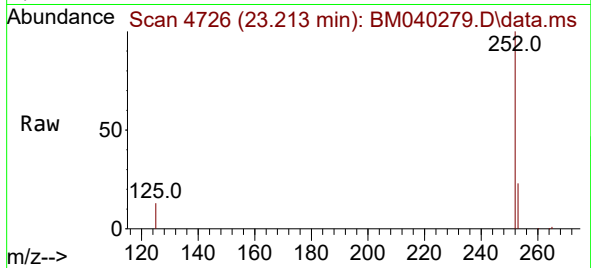
Tgt Ion:228 Resp: 725414
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.2 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 17.347 ng/ul
RT: 23.213 min Scan# 4725
Delta R.T. -0.003 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

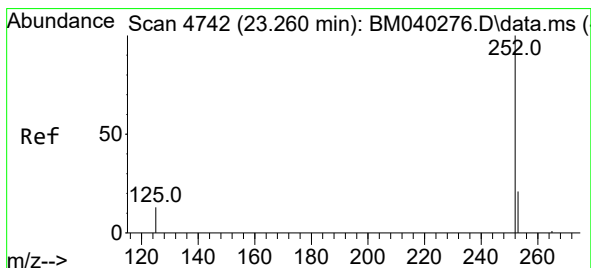
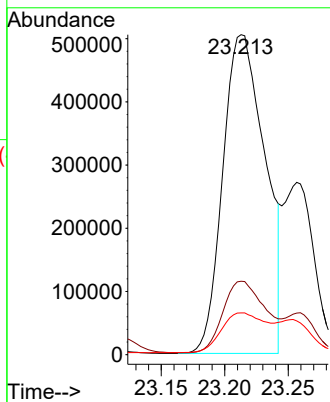
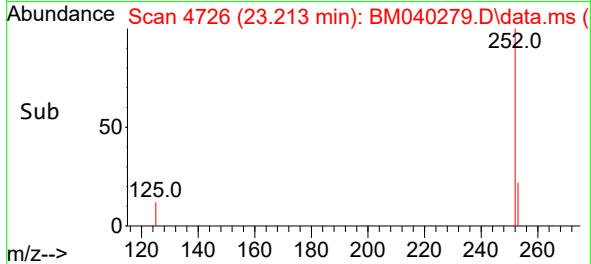
Instrument :
BNA_M
ClientSampleId :
DCFH2



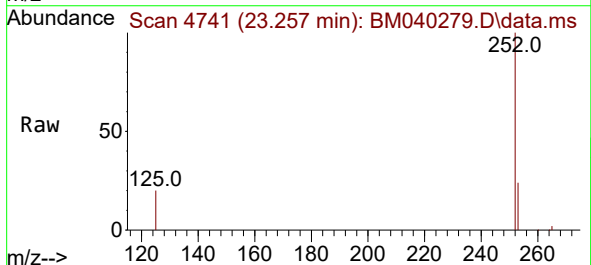
Tgt Ion:252 Resp: 116439
Ion Ratio Lower Upper
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253 22.9 0.0 52.4
125 13.1 0.0 38.4

Manual Integrations
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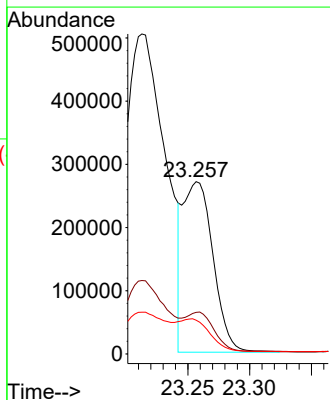
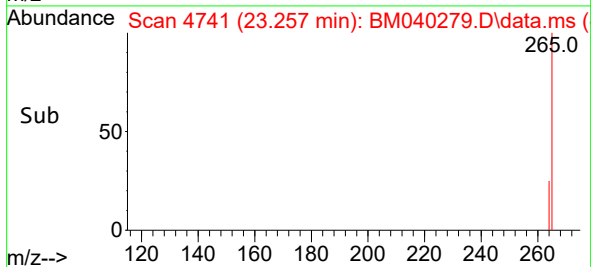
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

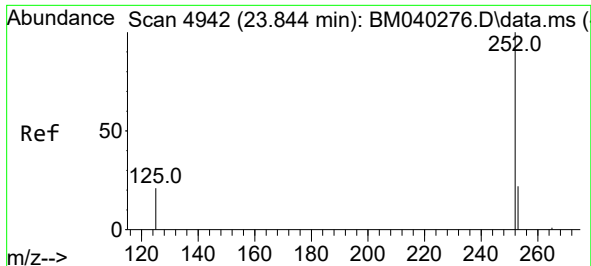


#25
Benzo(k)fluoranthene
Concen: 7.266 ng/ul m
RT: 23.257 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05



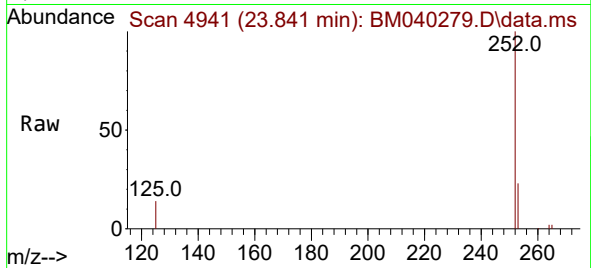
Tgt Ion:252 Resp: 459291
Ion Ratio Lower Upper
252 100
253 24.2 21.5 32.3
125 19.6 14.7 22.1





#26
Benzo(a)pyrene
Concen: 14.108 ng/ul
RT: 23.841 min Scan# 4942
Delta R.T. -0.009 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

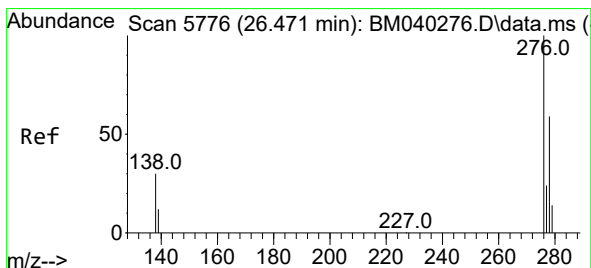
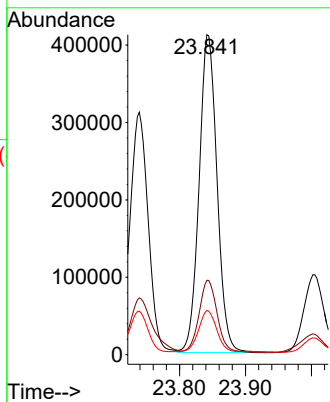
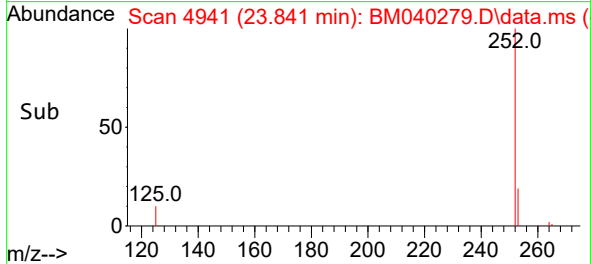
Instrument :
BNA_M
ClientSampleId :
DCFH2



Tgt Ion:252 Resp: 777042
Ion Ratio Lower Upper
252 100
253 23.3 23.4 35.0
125 13.8 19.7 29.5

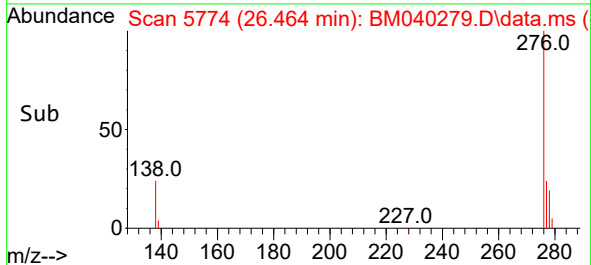
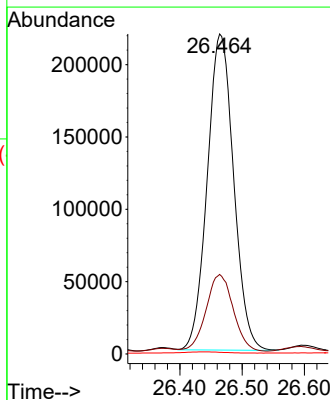
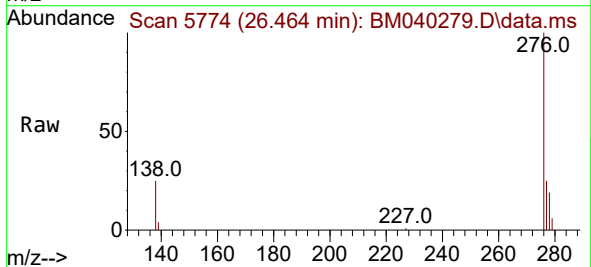
Manual Integrations
APPROVED

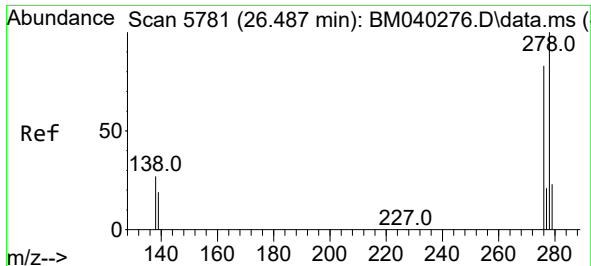
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 9.214 ng/ul
RT: 26.464 min Scan# 5774
Delta R.T. -0.014 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

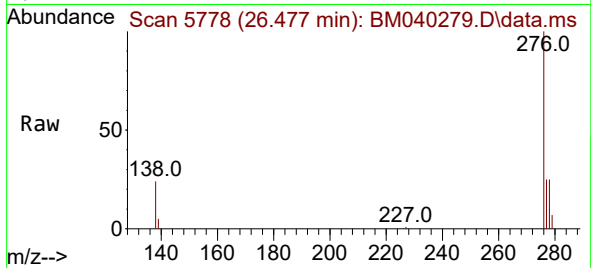
Tgt Ion:276 Resp: 642402
Ion Ratio Lower Upper
276 100
138 24.9 23.3 34.9
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 2.823 ng/ul
RT: 26.477 min Scan# 5781
Delta R.T. -0.020 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

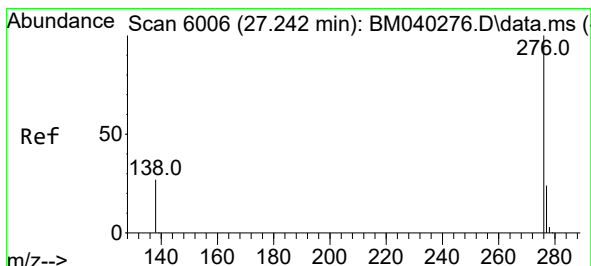
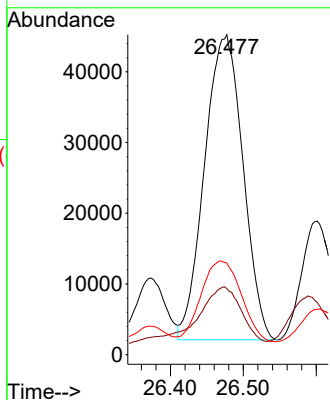
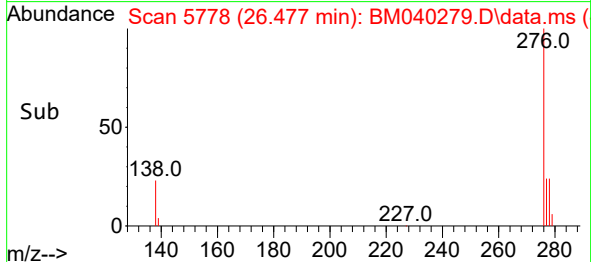
Instrument :
BNA_M
ClientSampleId :
DCFH2



Tgt Ion:278 Resp: 15797
Ion Ratio Lower Upper
278 100
139 20.7 16.4 24.6
279 28.7 21.8 32.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#29
Benzo(g,h,i)perylene
Concen: 10.391 ng/ul
RT: 27.242 min Scan# 6006
Delta R.T. -0.014 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Tgt Ion:276 Resp: 605069
Ion Ratio Lower Upper
276 100
138 25.7 21.0 31.4
277 24.2 19.6 29.4

