

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040260.D
 Acq On : 15 Jun 2023 15:34
 Operator : MA/JU
 Sample : 03088-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 15 23:52:09 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	7.974	152	8846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.783	136	29990	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	14051	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	24748	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	18615	0.400	ng/ul	# 0.00
23) Perylene-d12	23.955	264	20033	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	20528	1.879	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	4245	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	6835	0.147	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.833	128	33250	0.468	ng/ul	100
7) 2-Methylnaphthalene	12.444	142	2472	0.056	ng/ul	98
8) 1-Methylnaphthalene	12.659	142	1886	0.041	ng/ul	100
10) Acenaphthylene	14.332	152	7006	0.143	ng/ul	93
11) Acenaphthene	14.669	153	2967	0.070	ng/ul	97
12) Fluorene	15.655	166	2460	0.052	ng/ul#	92
15) Phenanthrene	17.391	178	61640	0.947	ng/ul	100
16) Anthracene	17.484	178	11279	0.205	ng/ul	96
19) Fluoranthene	19.407	202	225968	3.564	ng/ul#	27
20) Pyrene	19.770	202	144668	2.196	ng/ul	99
21) Benzo(a)anthracene	21.512	228	79364	1.444	ng/ul	98
22) Chrysene	21.567	228	114536	1.973	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	205282	2.780	ng/ul#	69
25) Benzo(k)fluoranthene	23.260	252	72038m	1.036	ng/ul	
26) Benzo(a)pyrene	23.847	252	59016	0.974	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.467	276	78685	1.026	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.481	278	23619	0.384	ng/ul#	80
29) Benzo(g,h,i)perylene	27.245	276	5862	0.091	ng/ul#	13

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

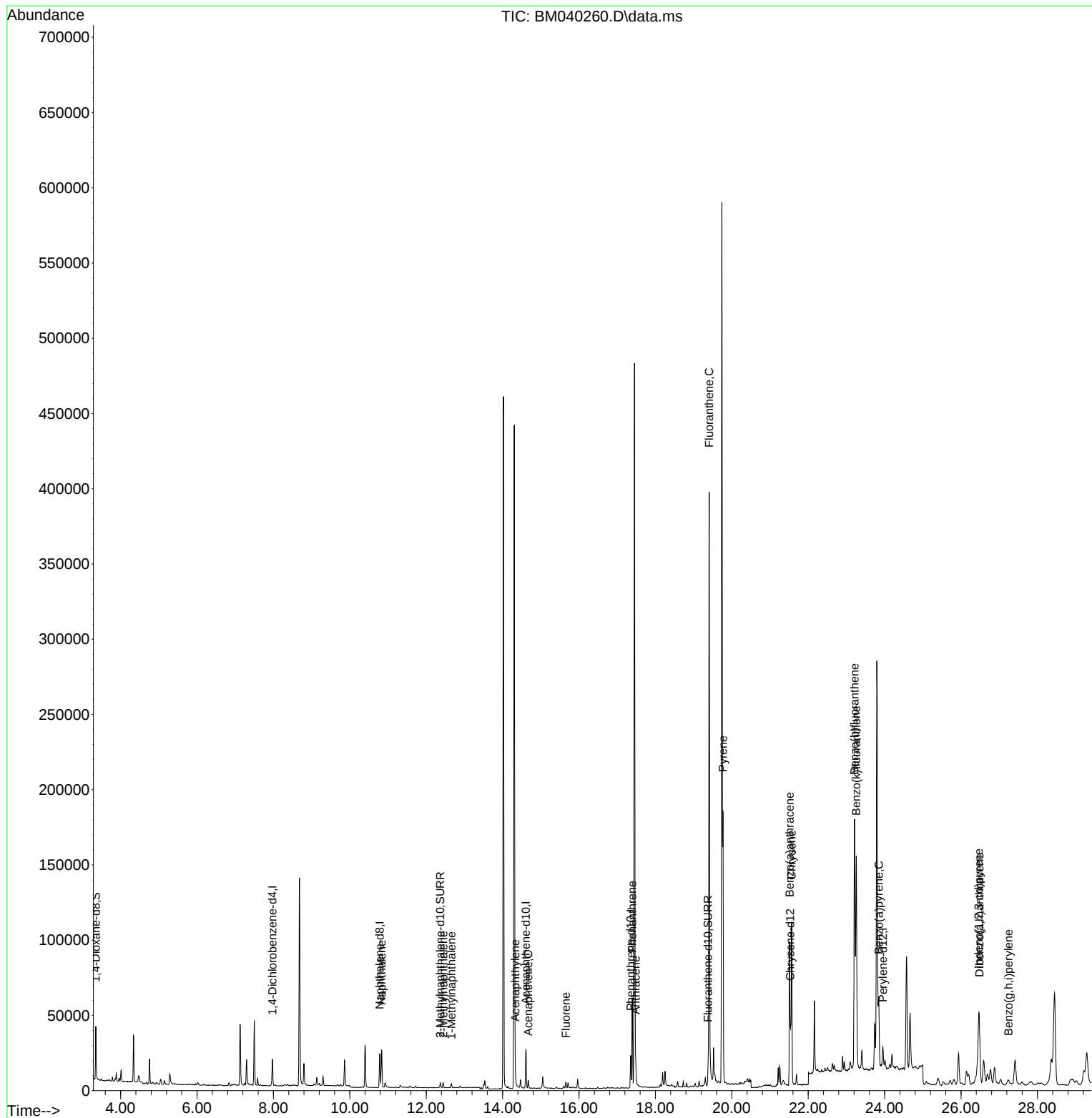
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
Data File : BM040260.D
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ALS Vial : 10 Sample Multiplier: 1

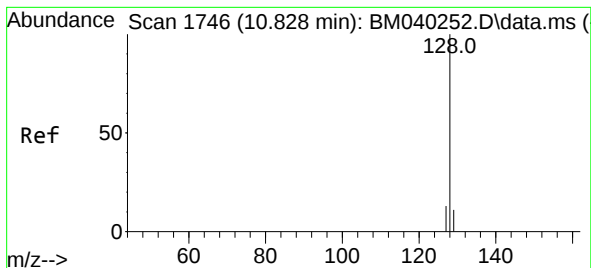
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#5

Naphthalene

Concen: 0.468 ng/ul

RT: 10.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

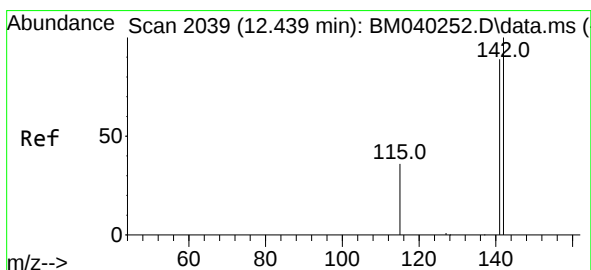
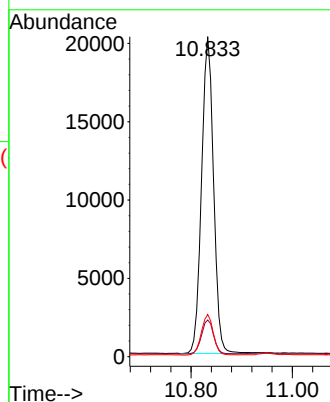
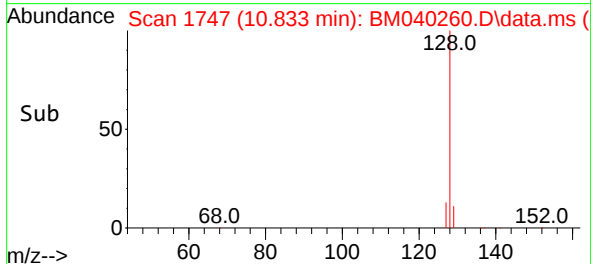
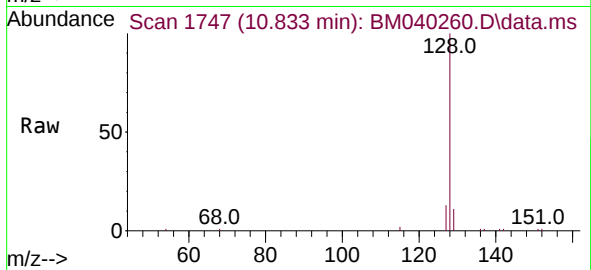
Tgt Ion:128	Resp:	33250
Ion Ratio	Lower	Upper
128	100	
129	11.4	9.1 13.7
127	13.2	10.4 15.6

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#7

2-Methylnaphthalene

Concen: 0.056 ng/ul

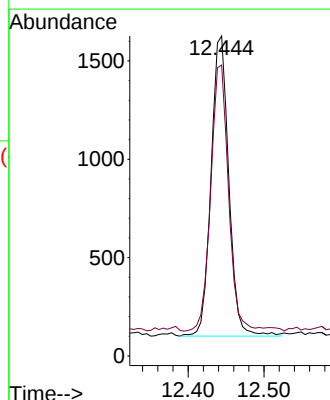
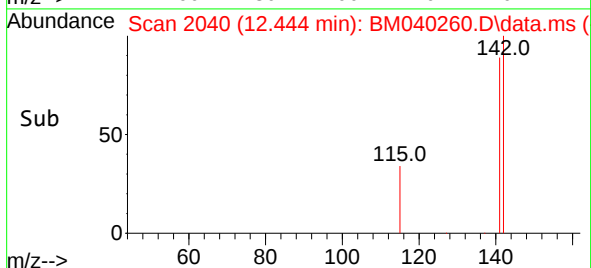
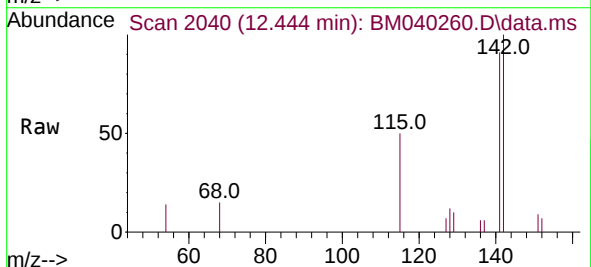
RT: 12.444 min Scan# 2040

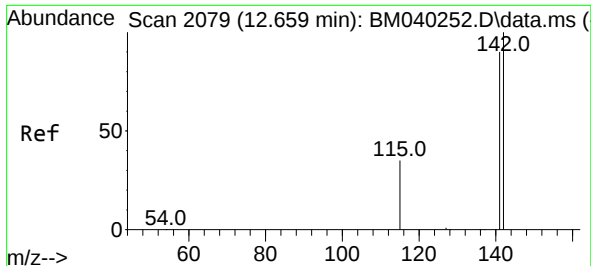
Delta R.T. -0.000 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

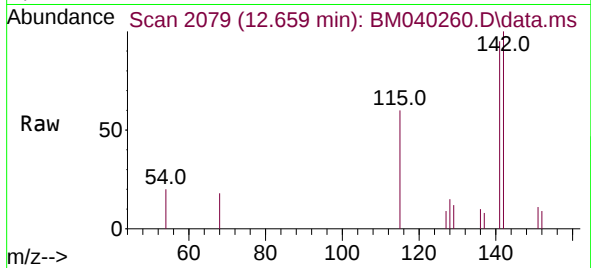
Tgt Ion:142	Resp:	2472
Ion Ratio	Lower	Upper
142	100	
141	89.8	70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.041 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

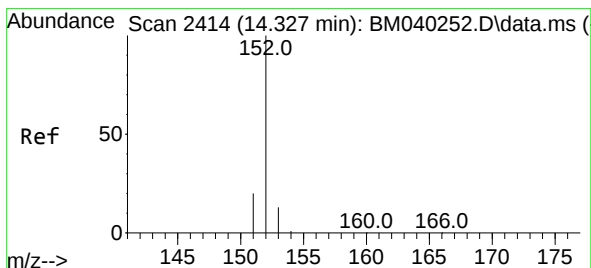
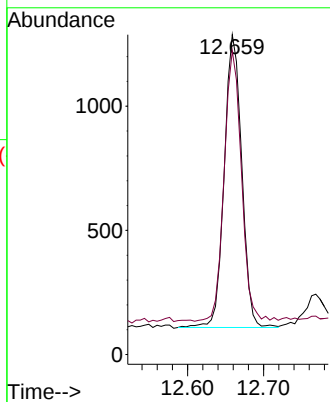
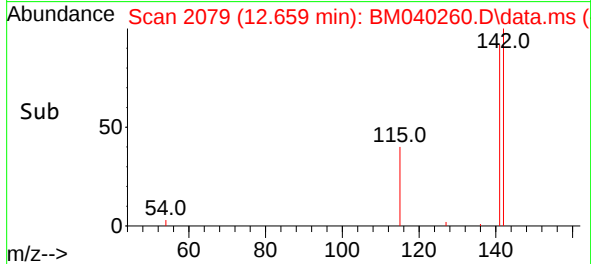
Instrument :
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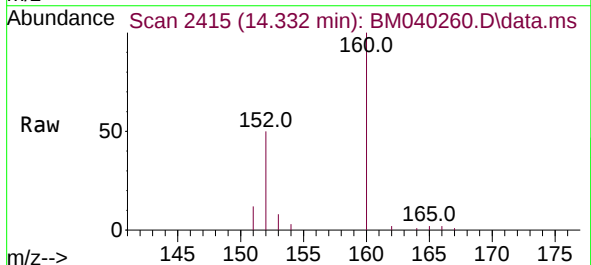
Tgt Ion:142 Resp: 1880
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.4

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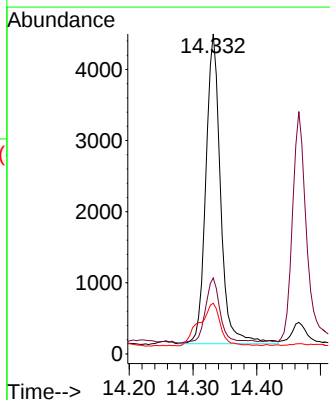
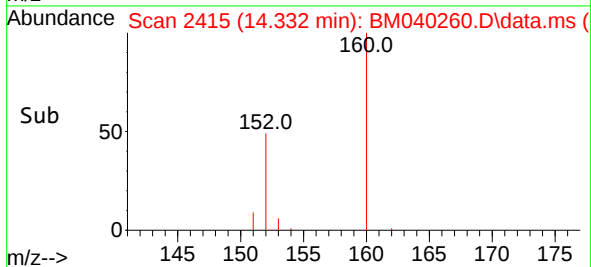
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

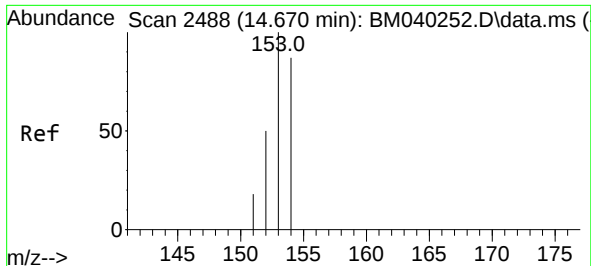


#10
Acenaphthylene
Concen: 0.143 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34



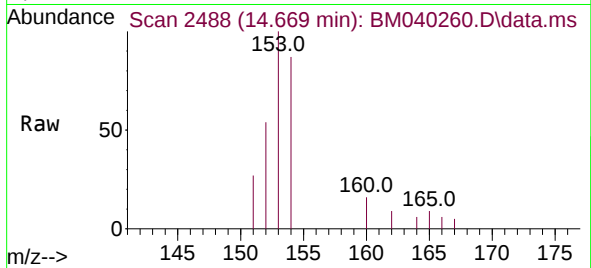
Tgt Ion:152 Resp: 7006
Ion Ratio Lower Upper
152 100
151 23.7 16.3 24.5
153 15.8 10.7 16.1





#11
Acenaphthene
Concen: 0.070 ng/u1
RT: 14.669 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

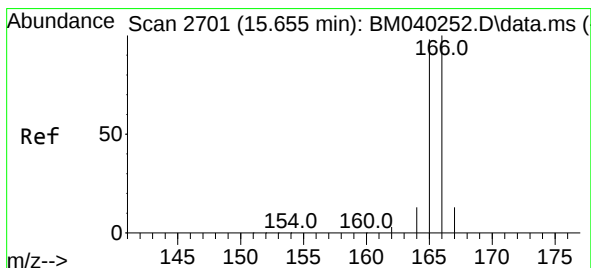
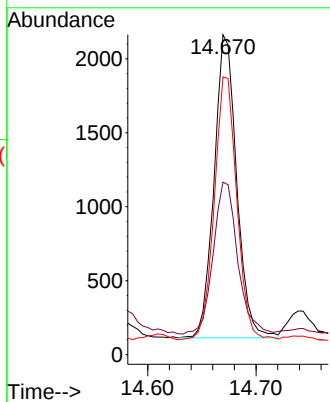
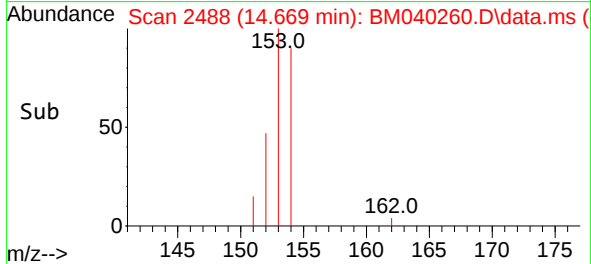
Instrument :
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Tgt Ion:153 Resp: 296
Ion Ratio Lower Upper
153 100
152 53.9 40.3 60.5
154 86.8 70.5 105.7

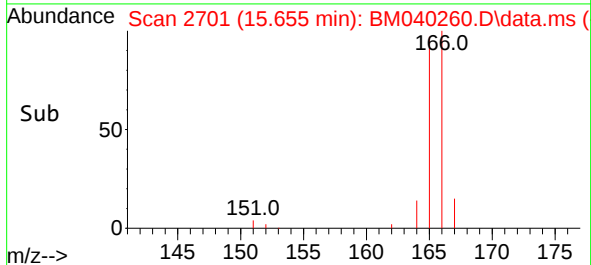
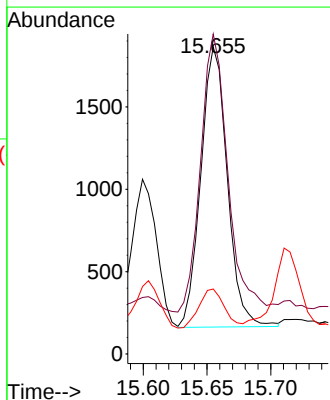
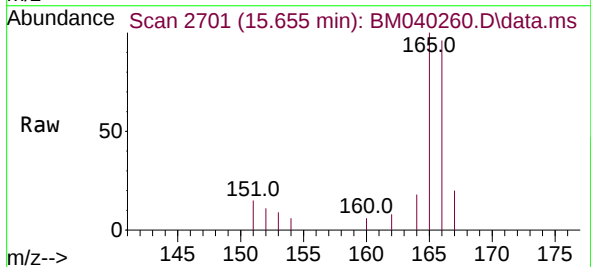
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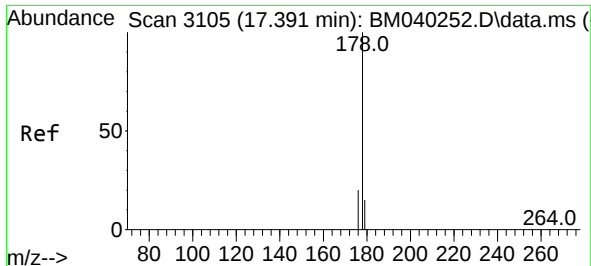
Reviewed By :Yogesh Patel 06/16/2023
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#12
Fluorene
Concen: 0.052 ng/u1
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

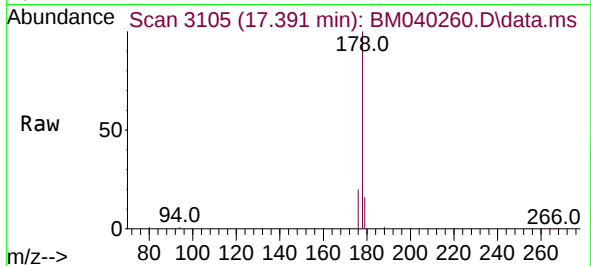
Tgt Ion:166 Resp: 2460
Ion Ratio Lower Upper
166 100
165 104.2 78.2 117.4
167 21.2 11.0 16.4#





#15
Phenanthrene
Concen: 0.947 ng/ul
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

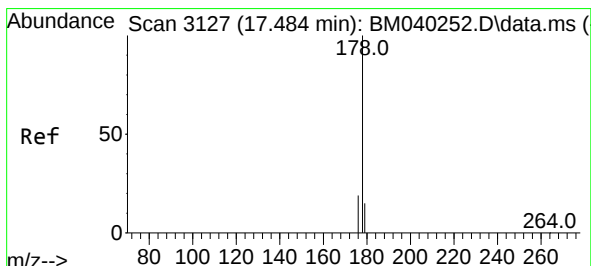
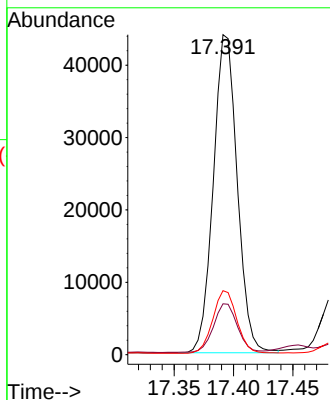
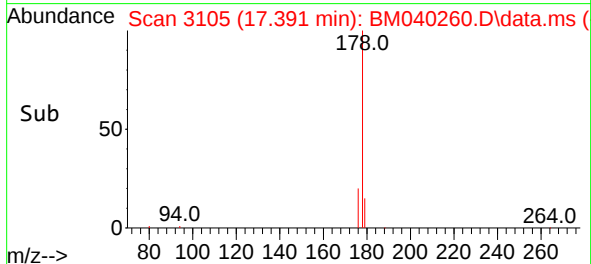
Instrument :
BNA_M
ClientSampleId :
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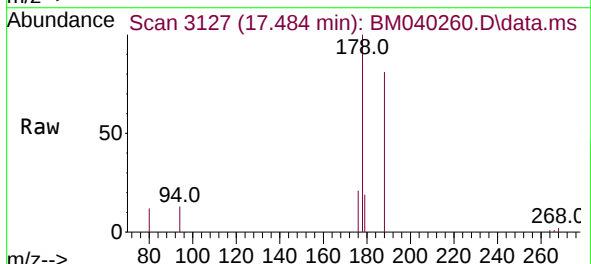
Tgt Ion:178 Resp: 61640
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 20.0 16.1 24.1

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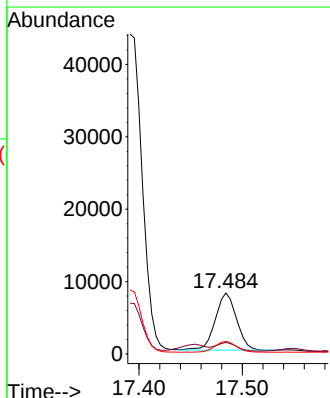
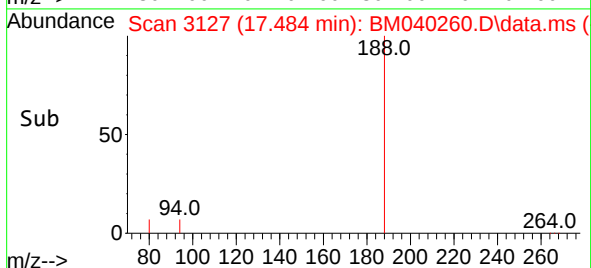
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Supervised By :mohammad ahmed 06/16/2023

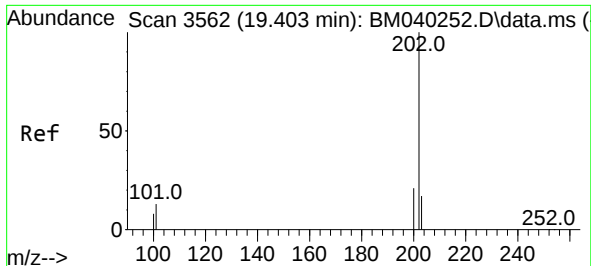


#16
Anthracene
Concen: 0.205 ng/ul
RT: 17.484 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34



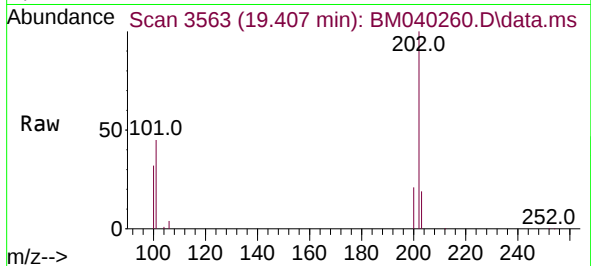
Tgt Ion:178 Resp: 11279
Ion Ratio Lower Upper
178 100
179 18.8 13.0 19.4
176 20.8 15.5 23.3





#19
Fluoranthene
Concen: 3.564 ng/u1
RT: 19.407 min Scan# 3562
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

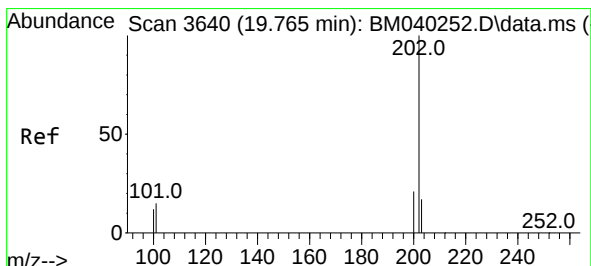
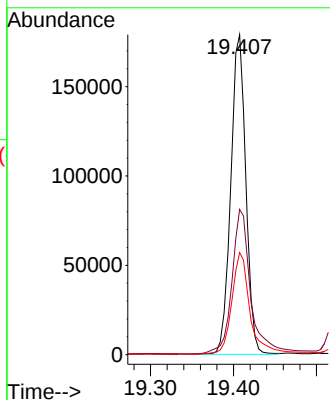
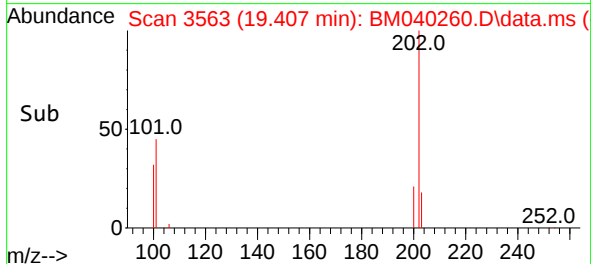
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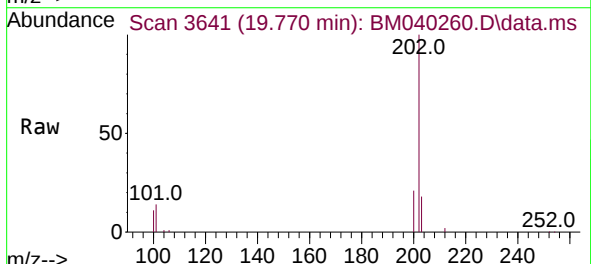
Tgt Ion:202 Resp: 225968
Ion Ratio Lower Upper
202 100
101 45.4 10.2 15.4
100 31.9 7.6 11.4

Manual Integrations
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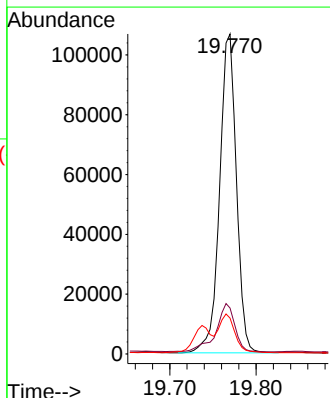
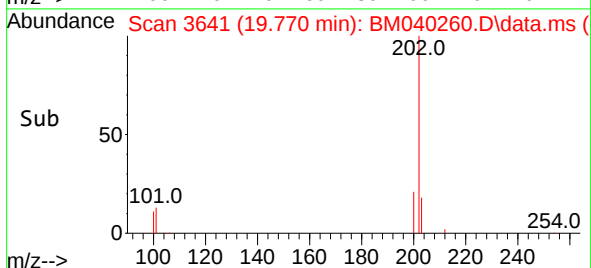
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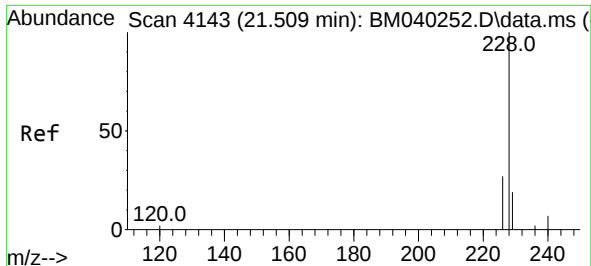


#20
Pyrene
Concen: 2.196 ng/u1
RT: 19.770 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34



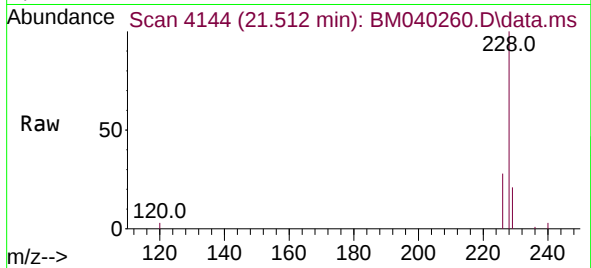
Tgt Ion:202 Resp: 144668
Ion Ratio Lower Upper
202 100
101 14.4 11.8 17.8
100 11.2 9.3 13.9





#21
Benzo(a)anthracene
Concen: 1.444 ng/ul
RT: 21.512 min Scan# 4143
Delta R.T. -0.003 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

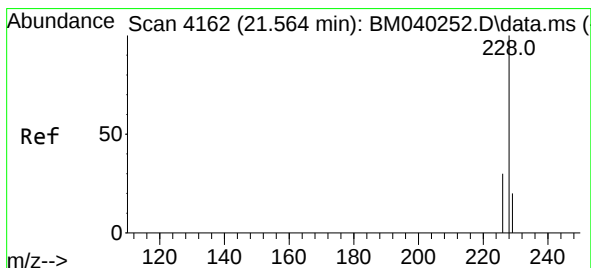
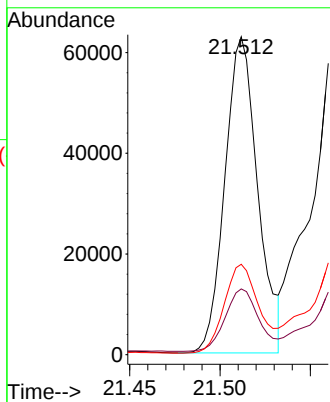
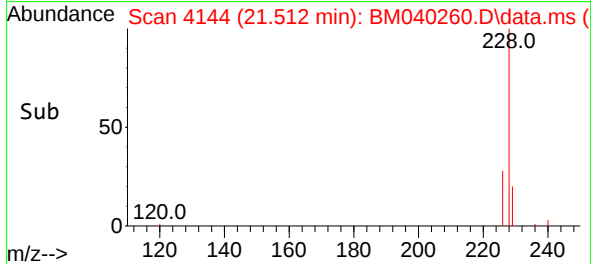
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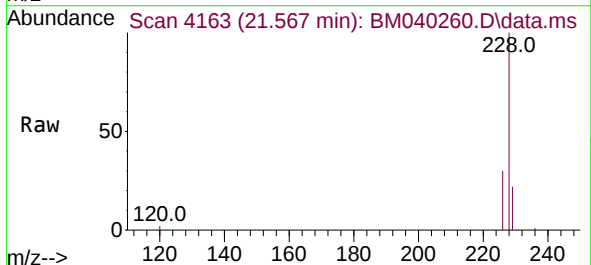
Tgt Ion:228 Resp: 79364
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.8
226 28.4 22.0 33.0

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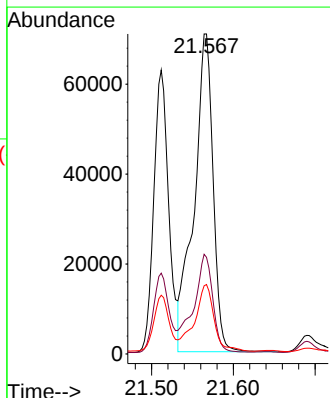
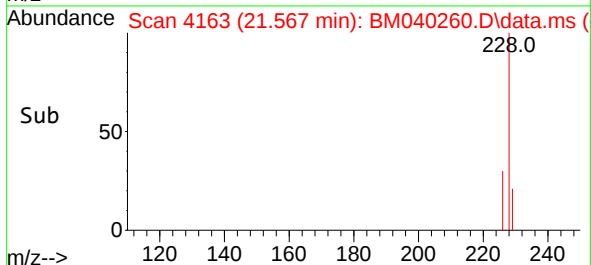
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

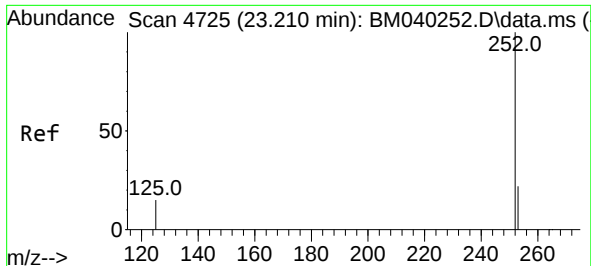


#22
Chrysene
Concen: 1.973 ng/ul
RT: 21.567 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34



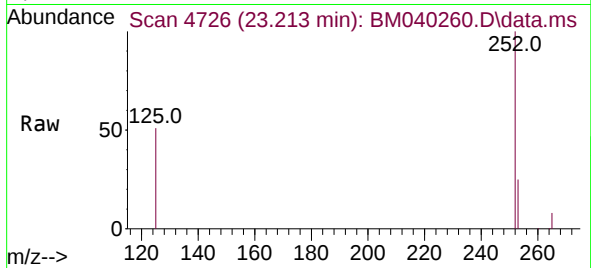
Tgt Ion:228 Resp: 114536
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 2.780 ng/ul
RT: 23.213 min Scan# 4725
Delta R.T. -0.003 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

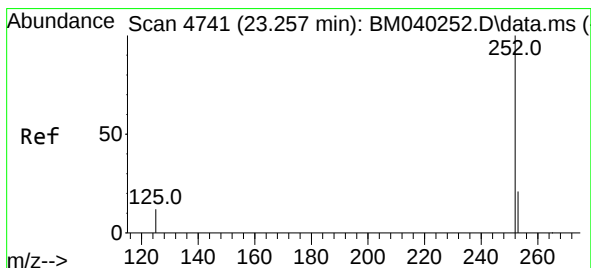
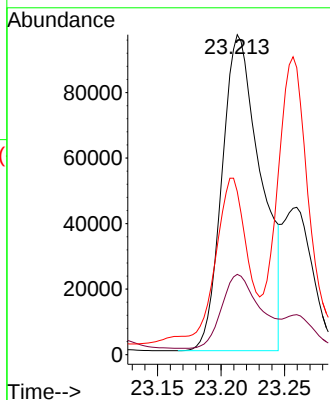
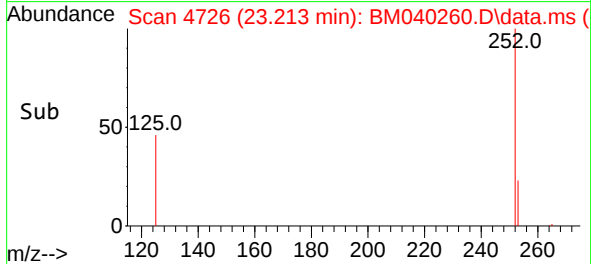
Instrument :
BNA_M
ClientSampleId :
DCFR4



Tgt Ion:252 Resp: 20528
Ion Ratio Lower Upper
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253 25.1 0.0 52.4
125 51.0 0.0 38.4

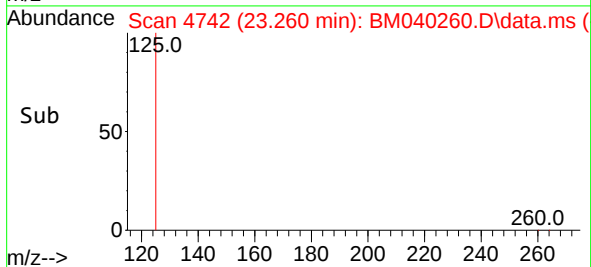
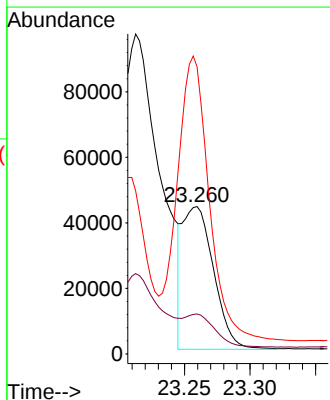
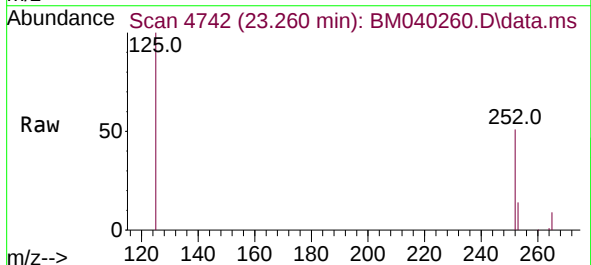
Manual Integrations
APPROVED

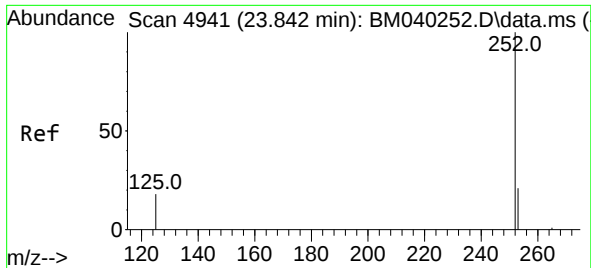
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#25
Benzo(k)fluoranthene
Concen: 1.036 ng/ul m
RT: 23.260 min Scan# 4742
Delta R.T. -0.006 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

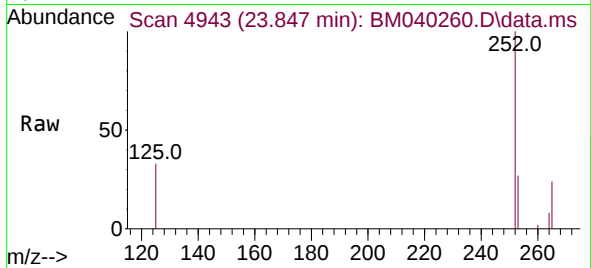
Tgt Ion:252 Resp: 72038
Ion Ratio Lower Upper
252 100
253 27.1 21.5 32.3
125 194.9 14.7 22.1#





#26
Benzo(a)pyrene
Concen: 0.974 ng/ul
RT: 23.847 min Scan# 4941
Delta R.T. -0.003 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34

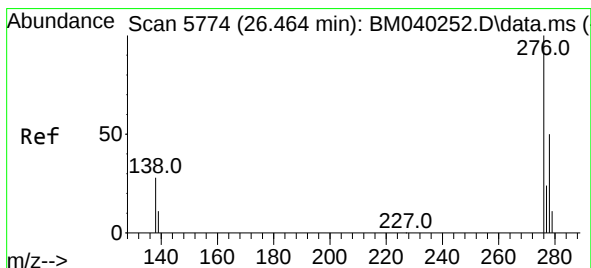
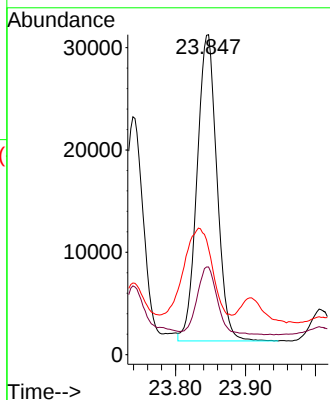
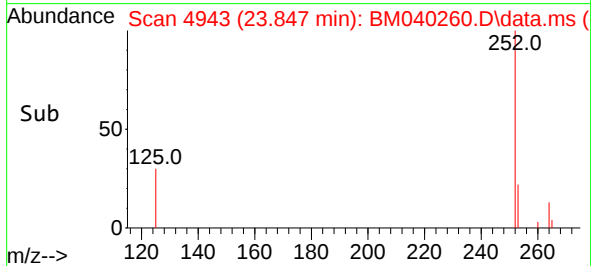
Instrument :
BNA_M
ClientSampleId :
DCFR4



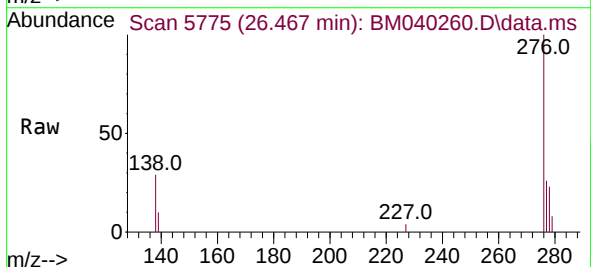
Tgt Ion:252 Resp: 59010
Ion Ratio Lower Upper
252 100
253 27.4 23.4 35.0
125 33.1 19.7 29.5

Manual Integrations
APPROVED

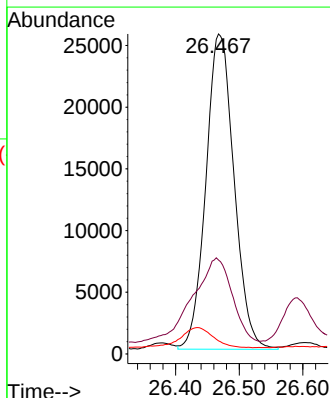
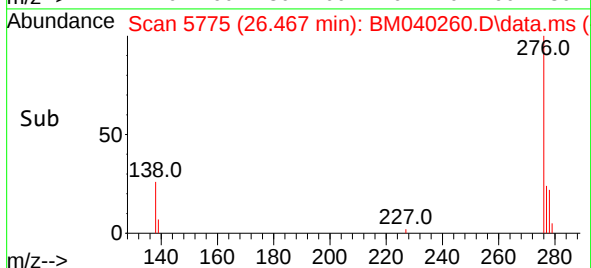
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

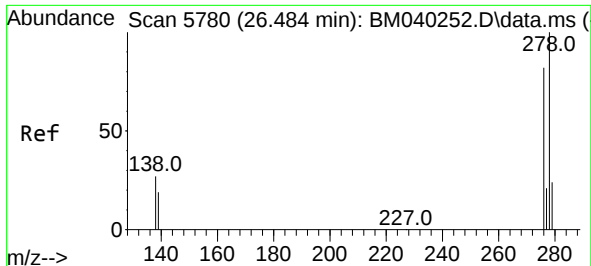


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.026 ng/ul
RT: 26.467 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040260.D
Acq: 15 Jun 2023 15:34



Tgt Ion:276 Resp: 78685
Ion Ratio Lower Upper
276 100
138 37.7 23.3 34.9#
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.384 ng/ul

RT: 26.481 min Scan# 5779

Delta R.T. -0.017 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCFR4

Tgt Ion:278 Resp: 23619

Ion Ratio Lower Upper

278 100

139 34.3 16.4 24.6

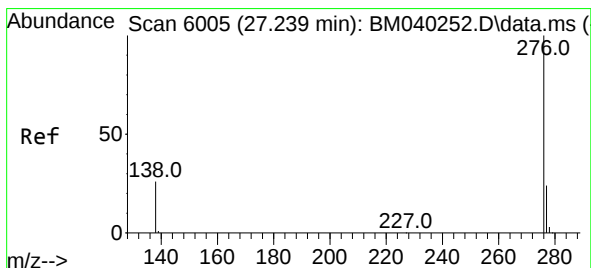
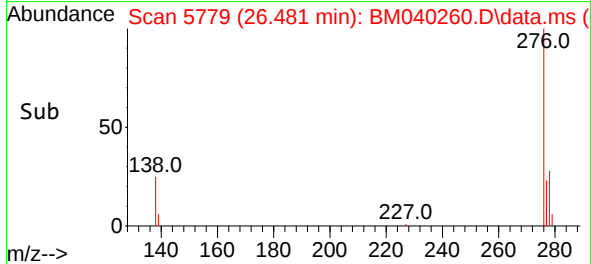
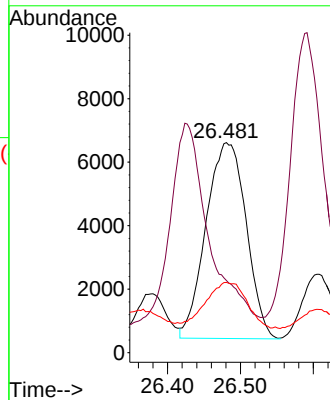
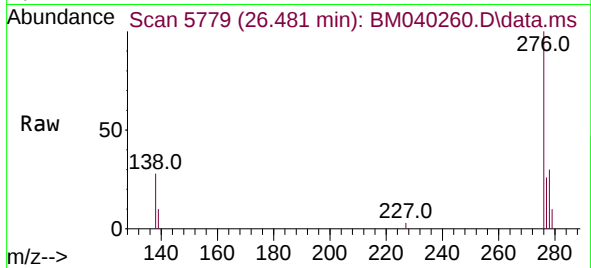
279 33.4 21.8 32.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023



#29

Benzo(g,h,i)perylene

Concen: 0.091 ng/ul

RT: 27.245 min Scan# 6007

Delta R.T. -0.010 min

Lab File: BM040260.D

Acq: 15 Jun 2023 15:34

Tgt Ion:276 Resp: 5862

Ion Ratio Lower Upper

276 100

138 98.4 21.0 31.4#

277 38.4 19.6 29.4#

