

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040289.D
 Acq On : 16 Jun 2023 20:15
 Operator : MA/JU
 Sample : 03080-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH0DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 23:40:27 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	9375	0.400	ng/ul	0.00
4) Naphthalene-d8	10.782	136	33759	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.608	164	15362	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.352	188	26412	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	18876	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	20331	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	7344	0.634	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.366	152	1557	0.036	ng/ul	0.00
18) Fluoranthene-d10	19.373	212	2047	0.043	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.832	128	7695	0.096	ng/ul#	95
7) 2-Methylnaphthalene	12.437	142	3709	0.075	ng/ul	98
8) 1-Methylnaphthalene	12.657	142	4363	0.084	ng/ul	99
10) Acenaphthylene	14.330	152	32588	0.606	ng/ul	99
11) Acenaphthene	14.668	153	9185	0.199	ng/ul	99
12) Fluorene	15.654	166	13250	0.258	ng/ul	98
15) Phenanthrene	17.390	178	376003	5.414	ng/ul	99
16) Anthracene	17.483	178	85392	1.451	ng/ul	99
19) Fluoranthene	19.406	202	892085	13.874	ng/ul	98
20) Pyrene	19.769	202	747861	11.195	ng/ul	98
21) Benzo(a)anthracene	21.509	228	373618	6.706	ng/ul	99
22) Chrysene	21.565	228	355265	6.036	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	476107	6.352	ng/ul	91
25) Benzo(k)fluoranthene	23.254	252	185309m	2.626	ng/ul	
26) Benzo(a)pyrene	23.842	252	316836	5.152	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.464	276	237721	3.054	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.478	278	60470	0.968	ng/ul	97
29) Benzo(g,h,i)perylene	27.246	276	218024	3.353	ng/ul	100

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

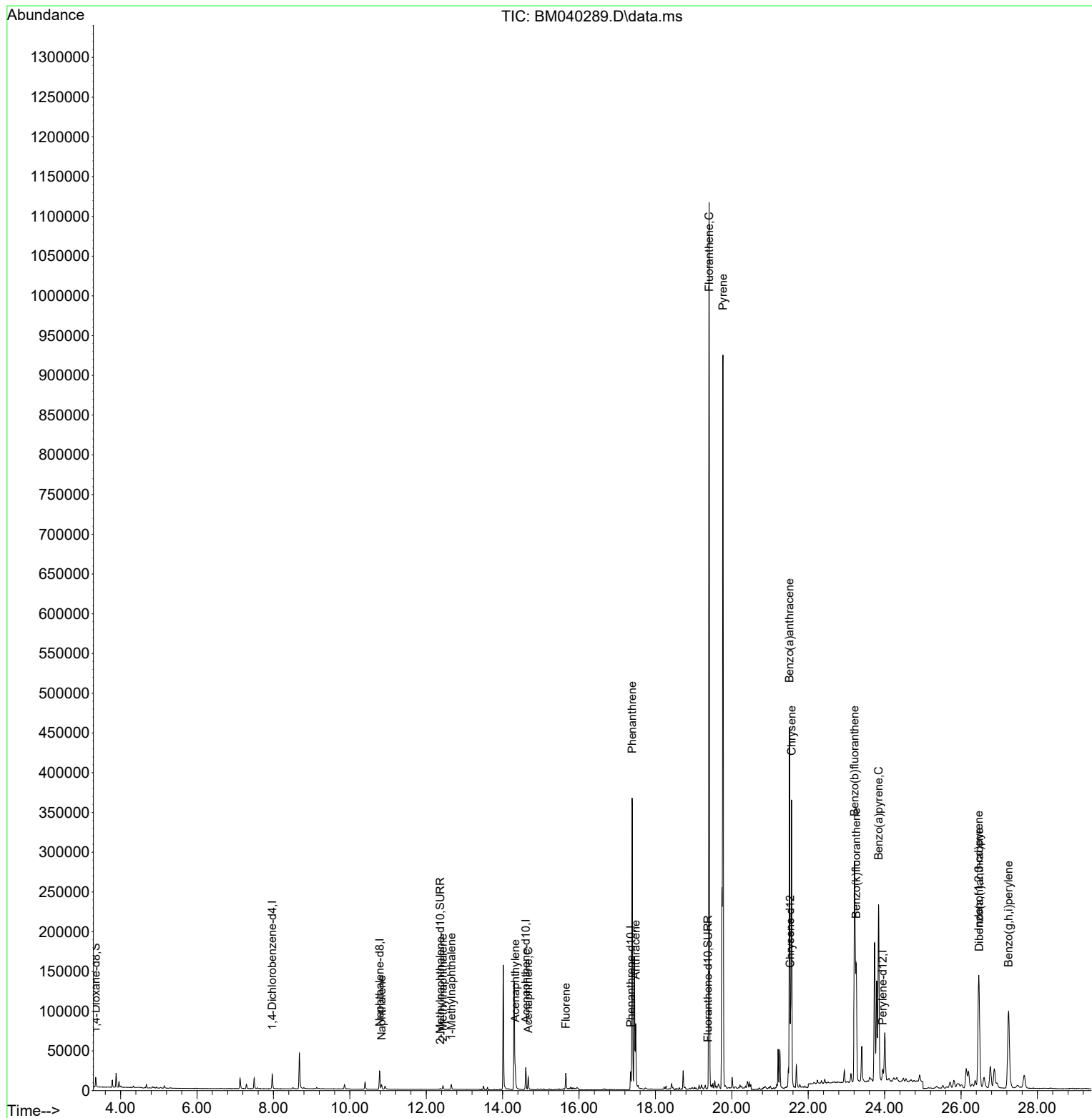
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
Data File : BM040289.D
Acq On : 16 Jun 2023 20:15
Operator : MA/JU
Sample : 03080-01DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

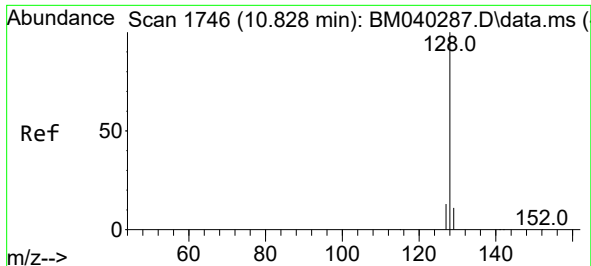
Instrument :
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ClientSampleId :
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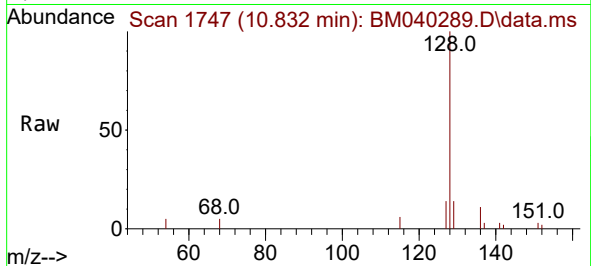
Quant Time: Jun 16 23:40:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 00:31:16 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.096 ng/ul
RT: 10.832 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

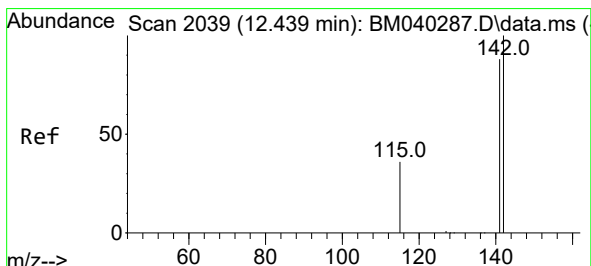
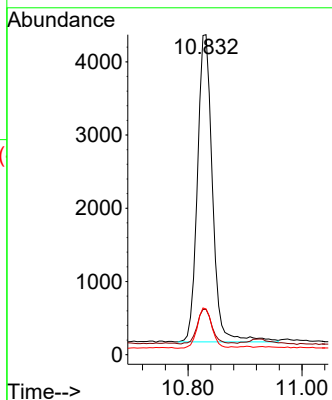
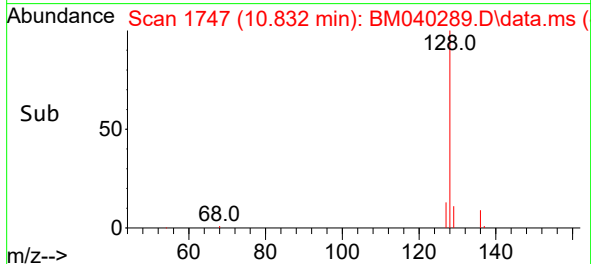
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



Tgt Ion:128 Resp: 769
Ion Ratio Lower Upper
128 100
129 14.2 9.1 13.7
127 14.3 10.4 15.6

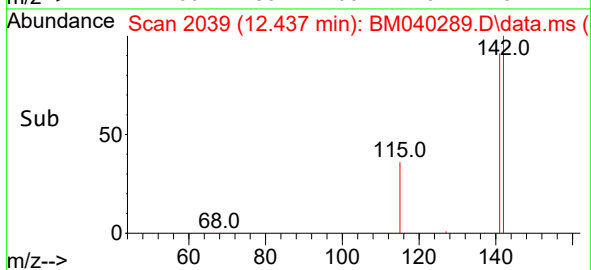
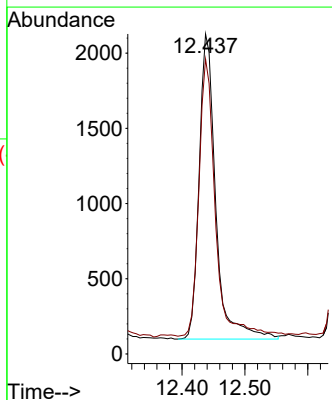
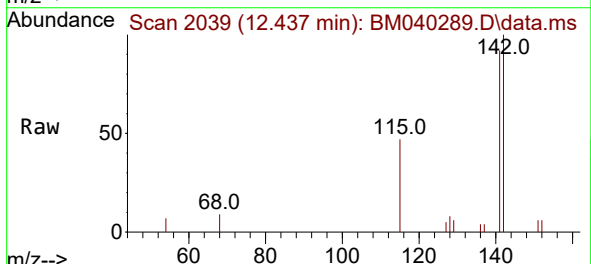
Manual Integrations
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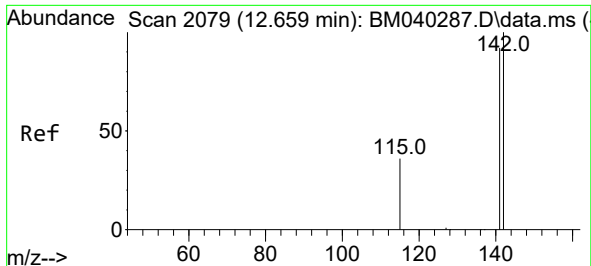
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#7
2-Methylnaphthalene
Concen: 0.075 ng/ul
RT: 12.437 min Scan# 2039
Delta R.T. -0.007 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

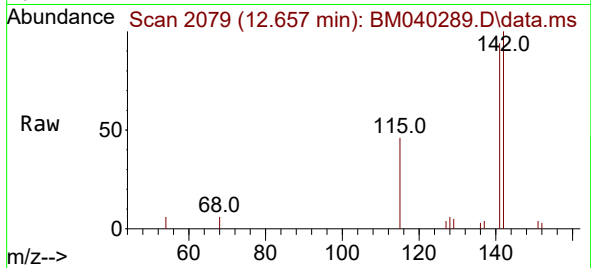
Tgt Ion:142 Resp: 3709
Ion Ratio Lower Upper
142 100
141 90.3 70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.657 min Scan# 2079
Delta R.T. -0.007 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

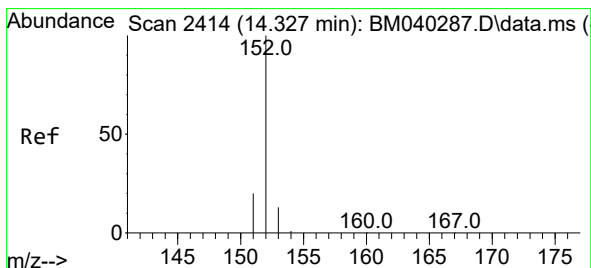
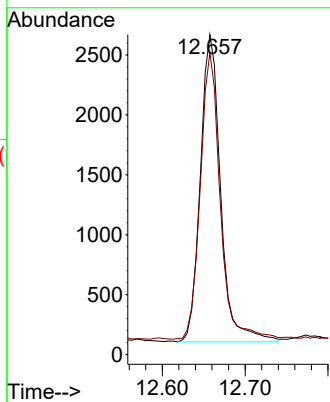
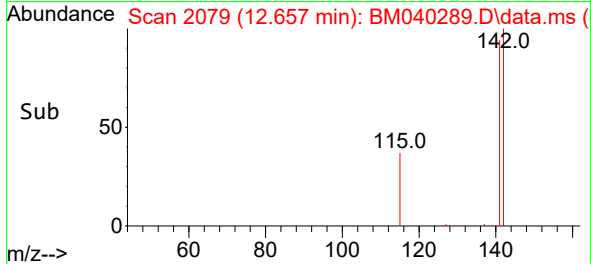
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



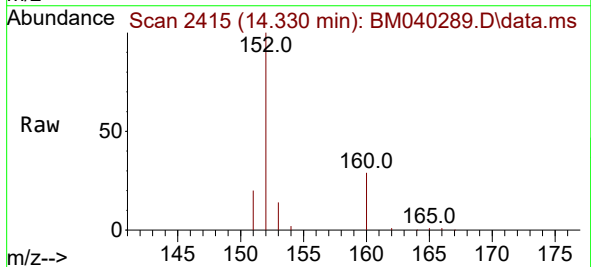
Tgt Ion:142 Resp: 436
Ion Ratio Lower Upper
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141 90.7 73.0 109.4

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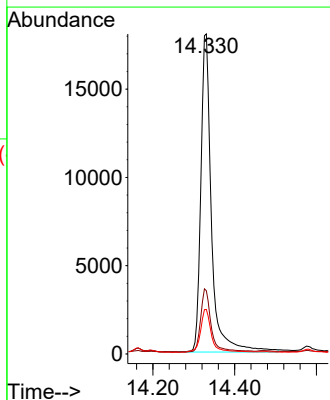
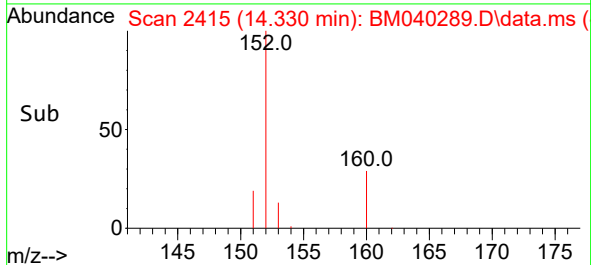
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

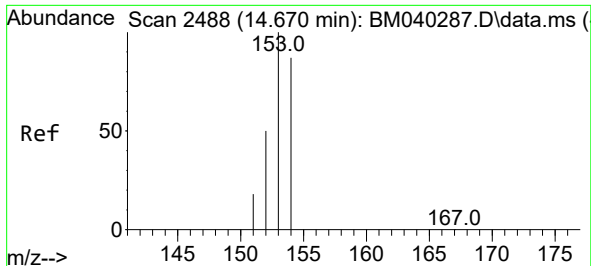


#10
Acenaphthylene
Concen: 0.606 ng/ul
RT: 14.330 min Scan# 2415
Delta R.T. -0.001 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15



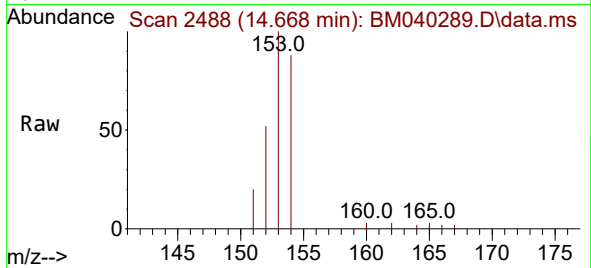
Tgt Ion:152 Resp: 32588
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 13.9 10.7 16.1





#11
Acenaphthene
Concen: 0.199 ng/ul
RT: 14.668 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

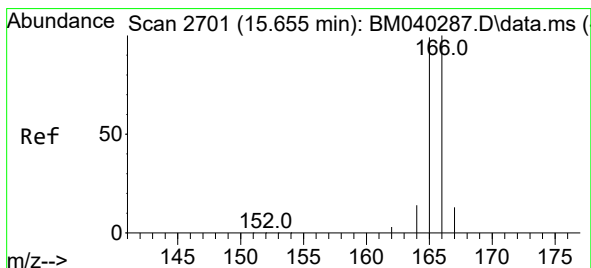
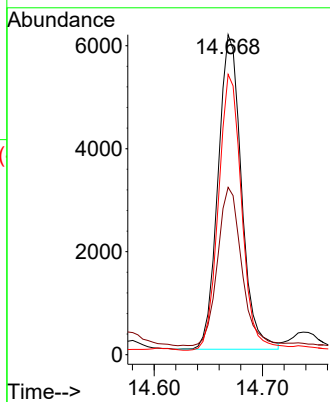
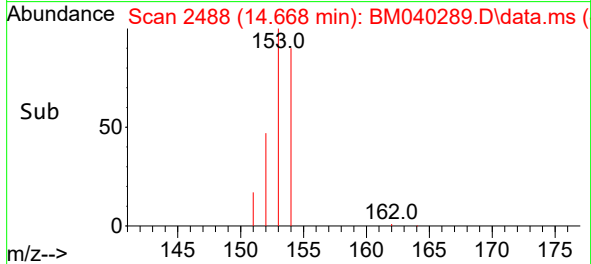
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



Tgt Ion:153 Resp: 918
Ion Ratio Lower Upper
153 100
152 52.3 40.3 60.5
154 87.6 70.5 105.7

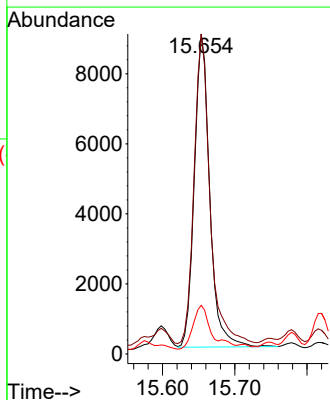
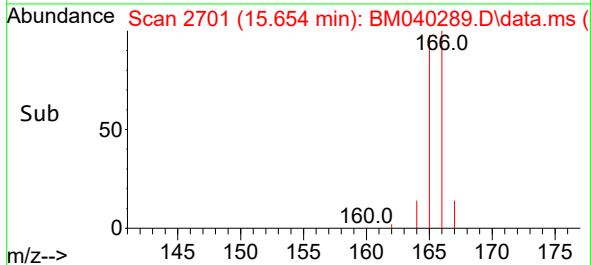
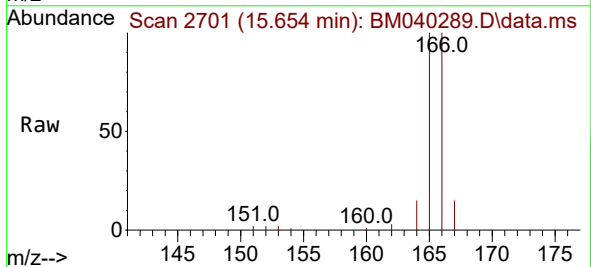
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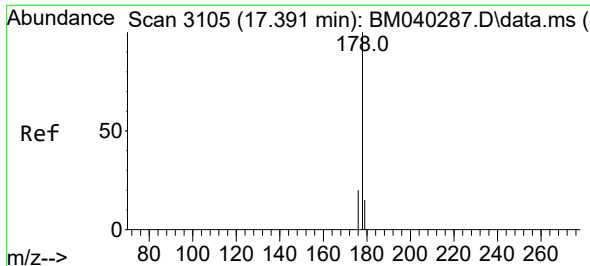
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#12
Fluorene
Concen: 0.258 ng/ul
RT: 15.654 min Scan# 2701
Delta R.T. -0.006 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

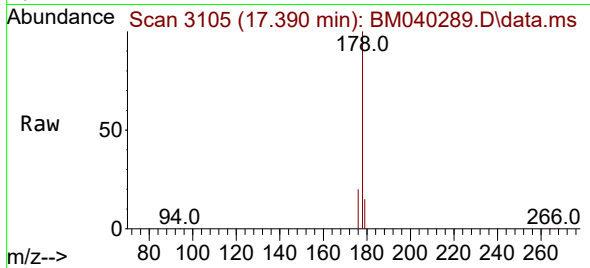
Tgt Ion:166 Resp: 13250
Ion Ratio Lower Upper
166 100
165 100.0 78.2 117.4
167 15.2 11.0 16.4





#15
Phenanthrene
Concen: 5.414 ng/ul
RT: 17.390 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

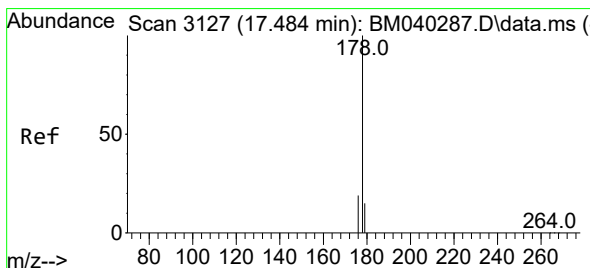
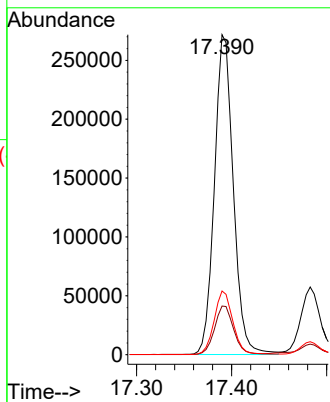
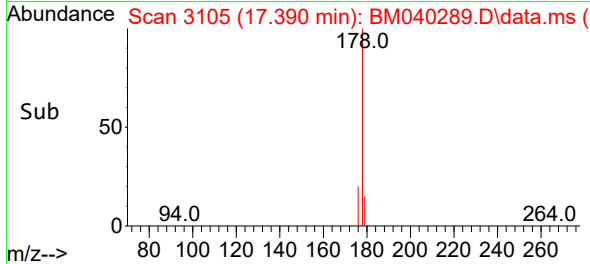
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



Tgt Ion:178 Resp: 37600
Ion Ratio Lower Upper
178 100
179 15.2 12.6 19.0
176 19.9 16.1 24.1

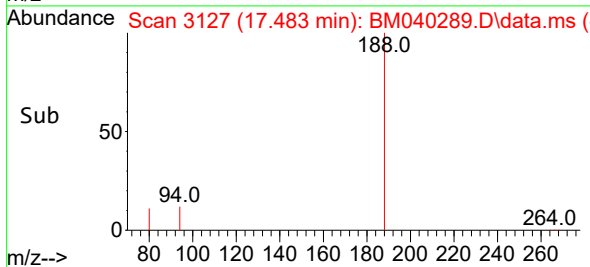
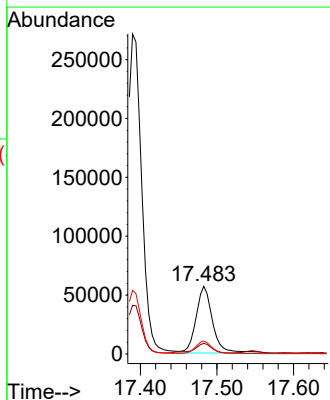
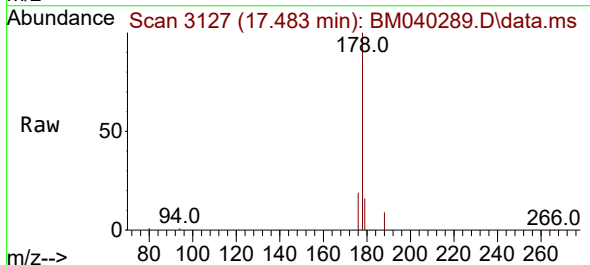
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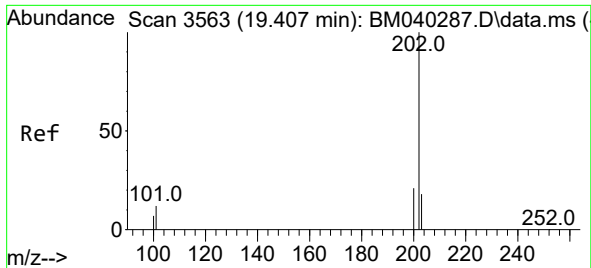
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#16
Anthracene
Concen: 1.451 ng/ul
RT: 17.483 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

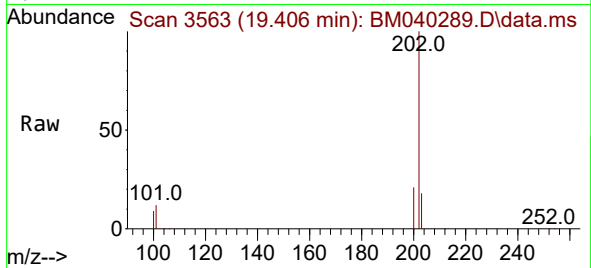
Tgt Ion:178 Resp: 85392
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.4
176 19.2 15.5 23.3





#19
Fluoranthene
Concen: 13.874 ng/ul
RT: 19.406 min Scan# 3563
Delta R.T. -0.001 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

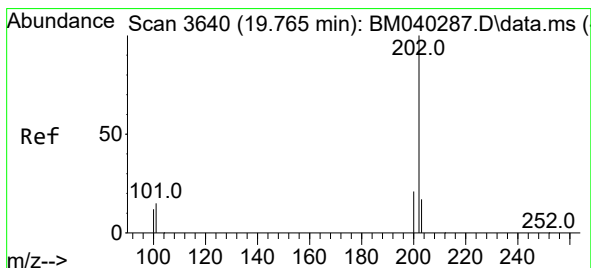
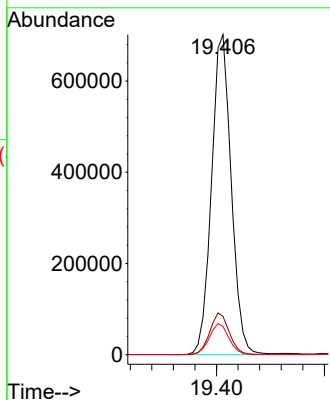
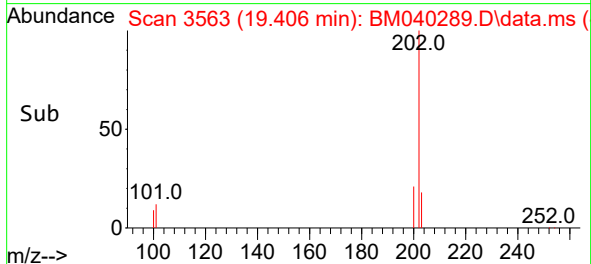
Instrument :
BNA_M
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DCFH0DL



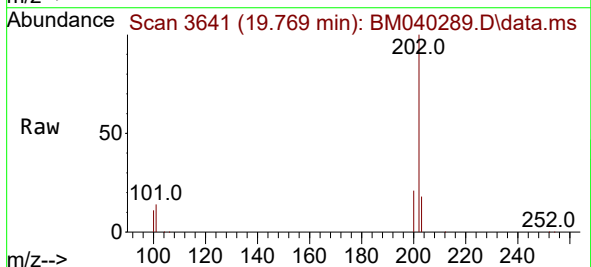
Tgt Ion:202 Resp: 892085
Ion Ratio Lower Upper
202 100
101 12.0 10.2 15.4
100 8.8 7.6 11.4

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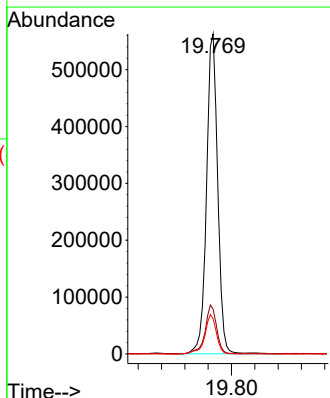
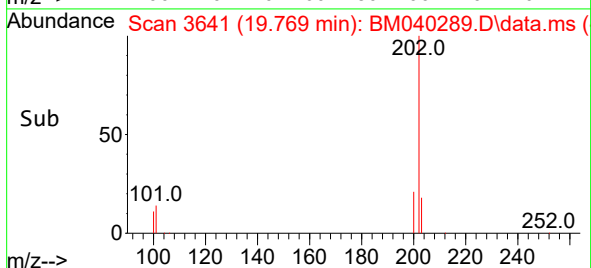
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

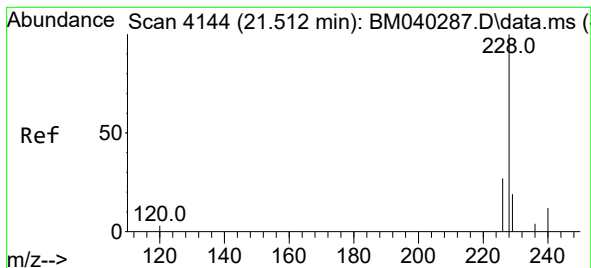


#20
Pyrene
Concen: 11.195 ng/ul
RT: 19.769 min Scan# 3641
Delta R.T. -0.001 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15



Tgt Ion:202 Resp: 747861
Ion Ratio Lower Upper
202 100
101 14.0 11.8 17.8
100 11.1 9.3 13.9





#21

Benzo(a)anthracene

Concen: 6.706 ng/ul

RT: 21.509 min Scan# 4143

Delta R.T. -0.006 min

Lab File: BM040289.D

Acq: 16 Jun 2023 20:15

Instrument :

BNA_M

ClientSampleId :

DCFH0DL

Tgt Ion:228 Resp: 373618

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.8

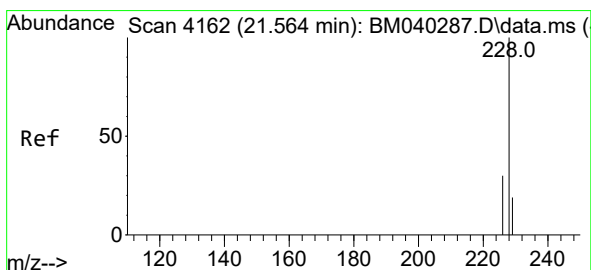
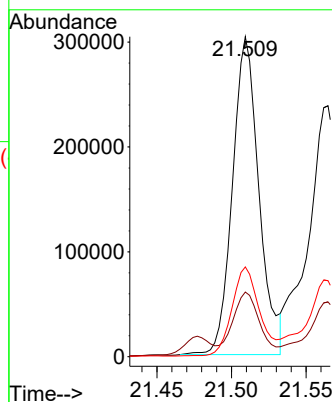
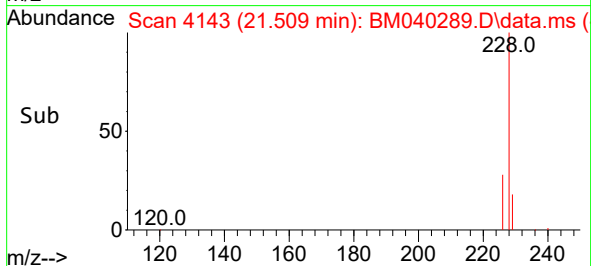
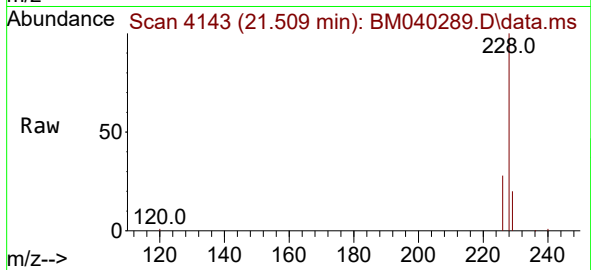
226 28.1 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#22

Chrysene

Concen: 6.036 ng/ul

RT: 21.565 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040289.D

Acq: 16 Jun 2023 20:15

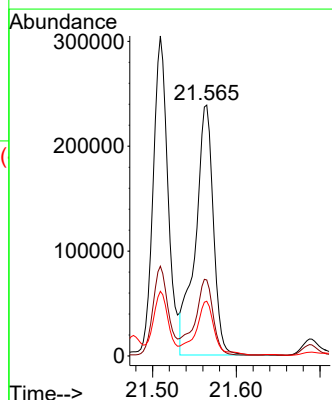
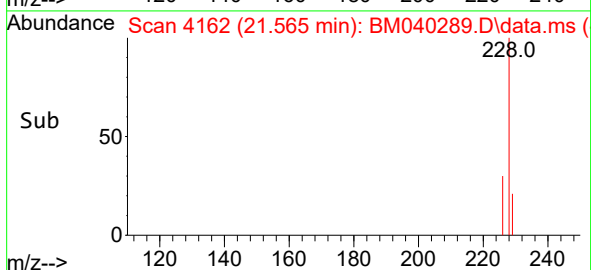
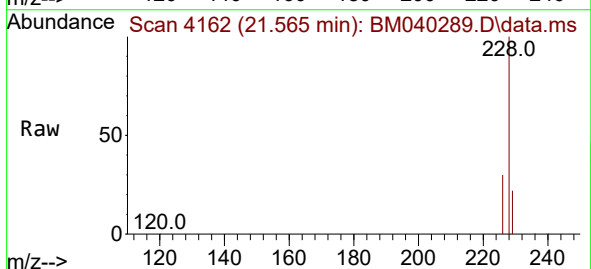
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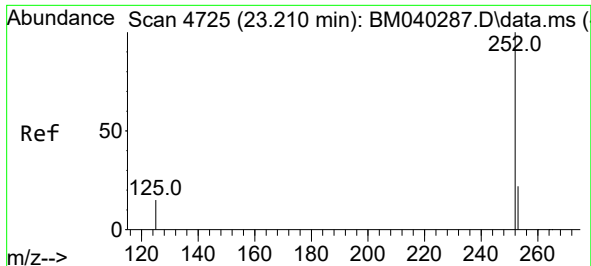
Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

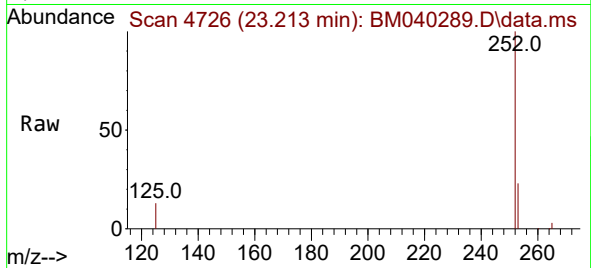
229 21.8 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 6.352 ng/ul
RT: 23.213 min Scan# 4726
Delta R.T. -0.003 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

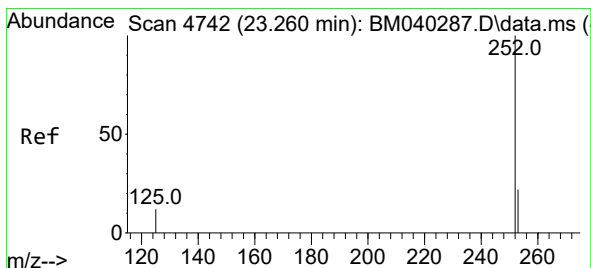
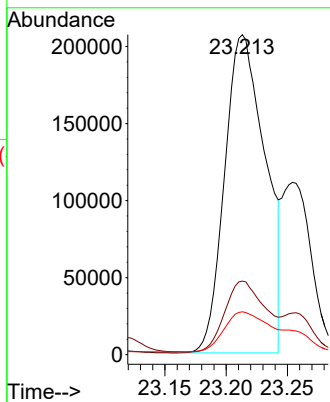
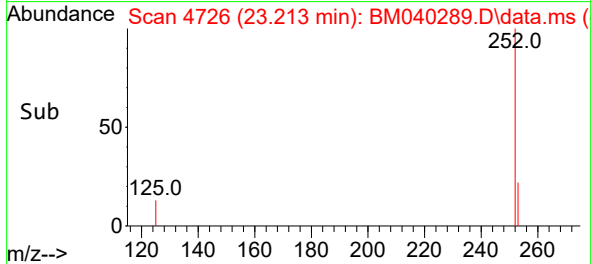
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



Tgt Ion:252 Resp: 47610
Ion Ratio Lower Upper
252 100
253 23.0 0.0 52.4
125 13.4 0.0 38.4

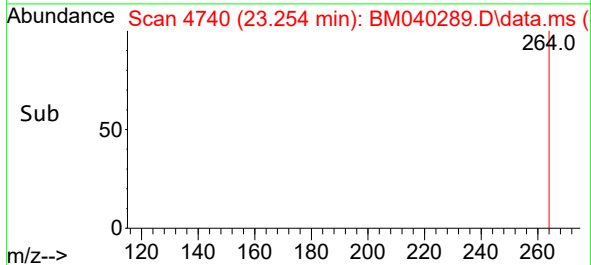
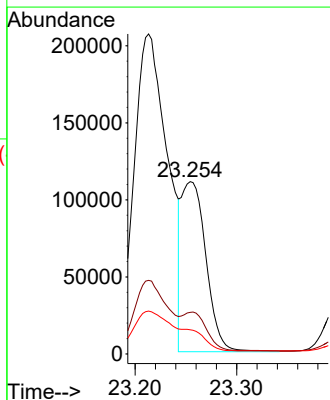
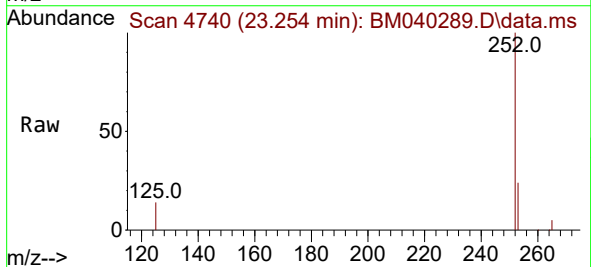
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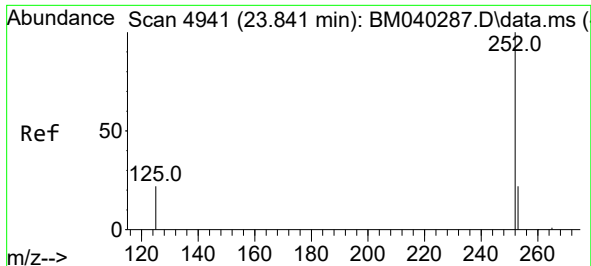
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#25
Benzo(k)fluoranthene
Concen: 2.626 ng/ul m
RT: 23.254 min Scan# 4740
Delta R.T. -0.011 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

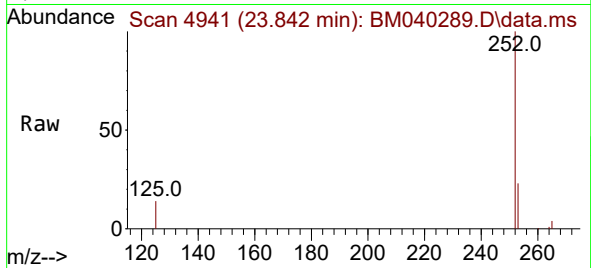
Tgt Ion:252 Resp: 185309
Ion Ratio Lower Upper
252 100
253 24.2 21.5 32.3
125 14.0 14.7 22.1#





#26
Benzo(a)pyrene
Concen: 5.152 ng/ul
RT: 23.842 min Scan# 4941
Delta R.T. -0.008 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

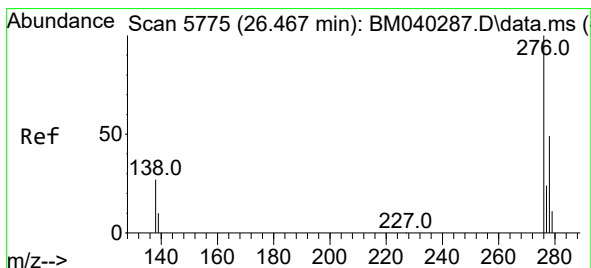
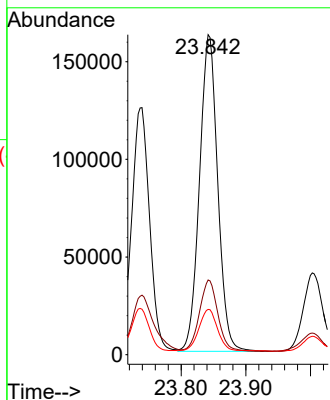
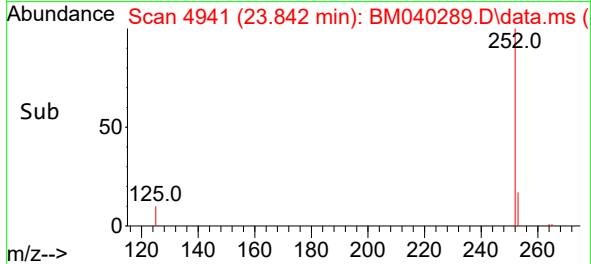
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



Tgt Ion:252 Resp: 316830
Ion Ratio Lower Upper
252 100
253 23.3 23.4 35.0
125 14.1 19.7 29.5

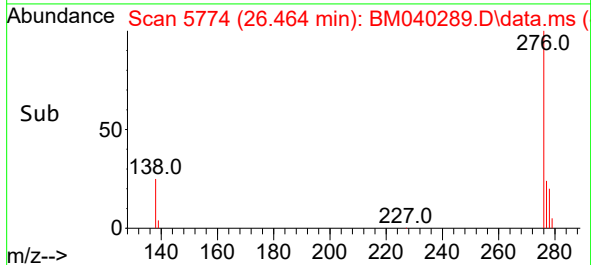
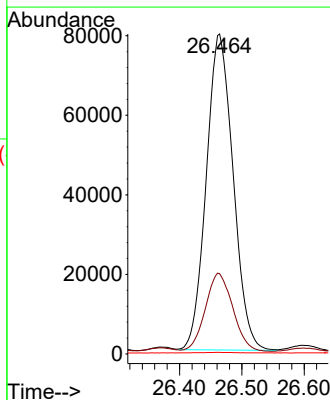
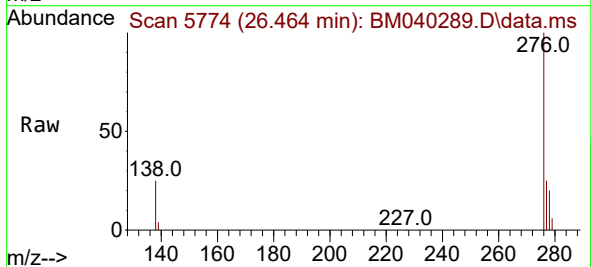
Manual Integrations
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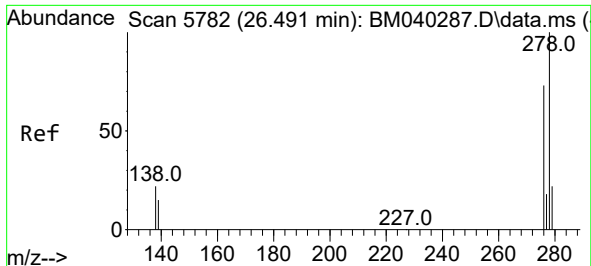
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.054 ng/ul
RT: 26.464 min Scan# 5774
Delta R.T. -0.013 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

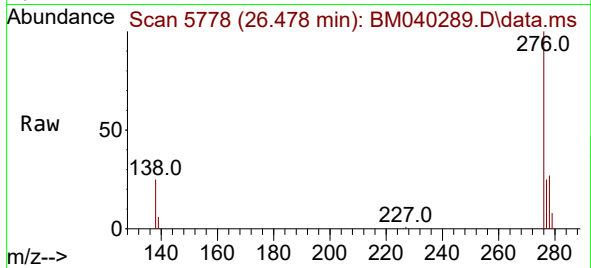
Tgt Ion:276 Resp: 237721
Ion Ratio Lower Upper
276 100
138 25.3 23.3 34.9
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.968 ng/ul
RT: 26.478 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15

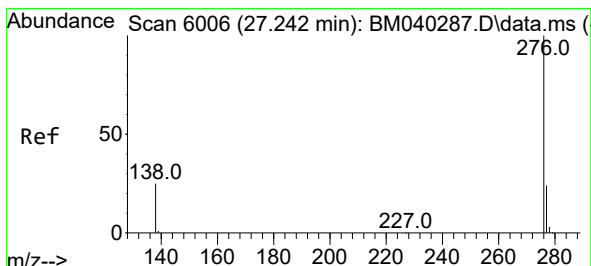
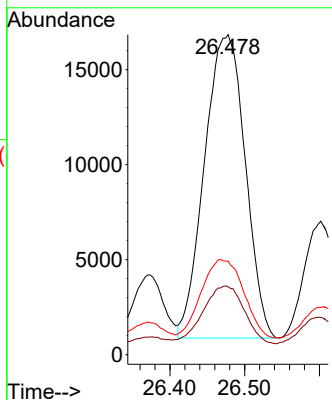
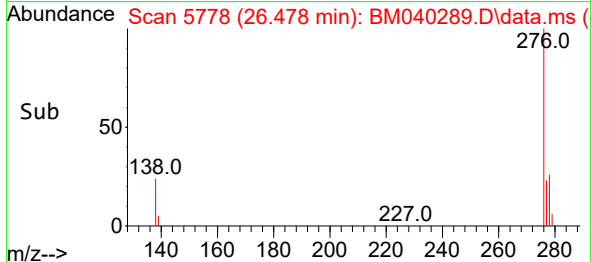
Instrument :
BNA_M
ClientSampleId :
DCFH0DL



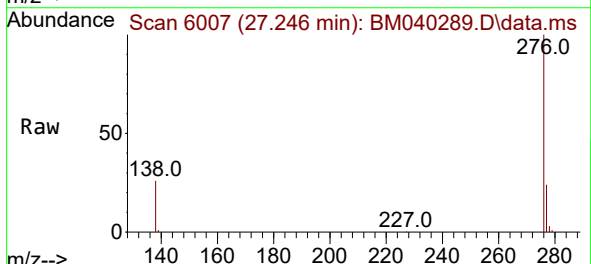
Tgt Ion:278 Resp: 60470
Ion Ratio Lower Upper
278 100
139 21.2 16.4 24.6
279 29.2 21.8 32.8

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 3.353 ng/ul
RT: 27.246 min Scan# 6007
Delta R.T. -0.010 min
Lab File: BM040289.D
Acq: 16 Jun 2023 20:15



Tgt Ion:276 Resp: 218024
Ion Ratio Lower Upper
276 100
138 26.0 21.0 31.4
277 24.2 19.6 29.4

