

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041115.D
 Acq On : 25 Jul 2023 20:49
 Operator : MA/JU
 Sample : 03534-17DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4733DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:41:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3907	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	13351	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7248	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	15932	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	12677	0.400	ng/ul	0.00
23) Perylene-d12	23.822	264	16500	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2124	0.352	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	567	0.030	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	1123	0.033	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.686	128	6248	0.144	ng/ul	98
7) 2-Methylnaphthalene	12.313	142	2826	0.133	ng/ul	98
8) 1-Methylnaphthalene	12.528	142	3864	0.177	ng/ul	100
10) Acenaphthylene	14.208	152	54138	1.768	ng/ul	98
11) Acenaphthene	14.550	153	14963	0.579	ng/ul	99
12) Fluorene	15.540	166	52672	1.868	ng/ul	100
15) Phenanthrene	17.286	178	785902	16.003	ng/ul	98
16) Anthracene	17.379	178	167197	4.205	ng/ul	97
19) Fluoranthene	19.310	202	862452	18.982	ng/ul	96
20) Pyrene	19.673	202	876425	17.495	ng/ul	97
21) Benzo(a)anthracene	21.425	228	395799	9.339	ng/ul	100
22) Chrysene	21.477	228	347132	7.092	ng/ul	98
24) Benzo(b)fluoranthene	23.099	252	387788	5.898	ng/ul	88
25) Benzo(k)fluoranthene	23.140	252	128326m	2.045	ng/ul	
26) Benzo(a)pyrene	23.713	252	299997	5.633	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.273	276	179410	2.275	ng/ul	93
28) Dibenzo(a,h)anthracene	26.283	278	47447	0.767	ng/ul	94
29) Benzo(g,h,i)perylene	27.028	276	144031	2.044	ng/ul	96

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

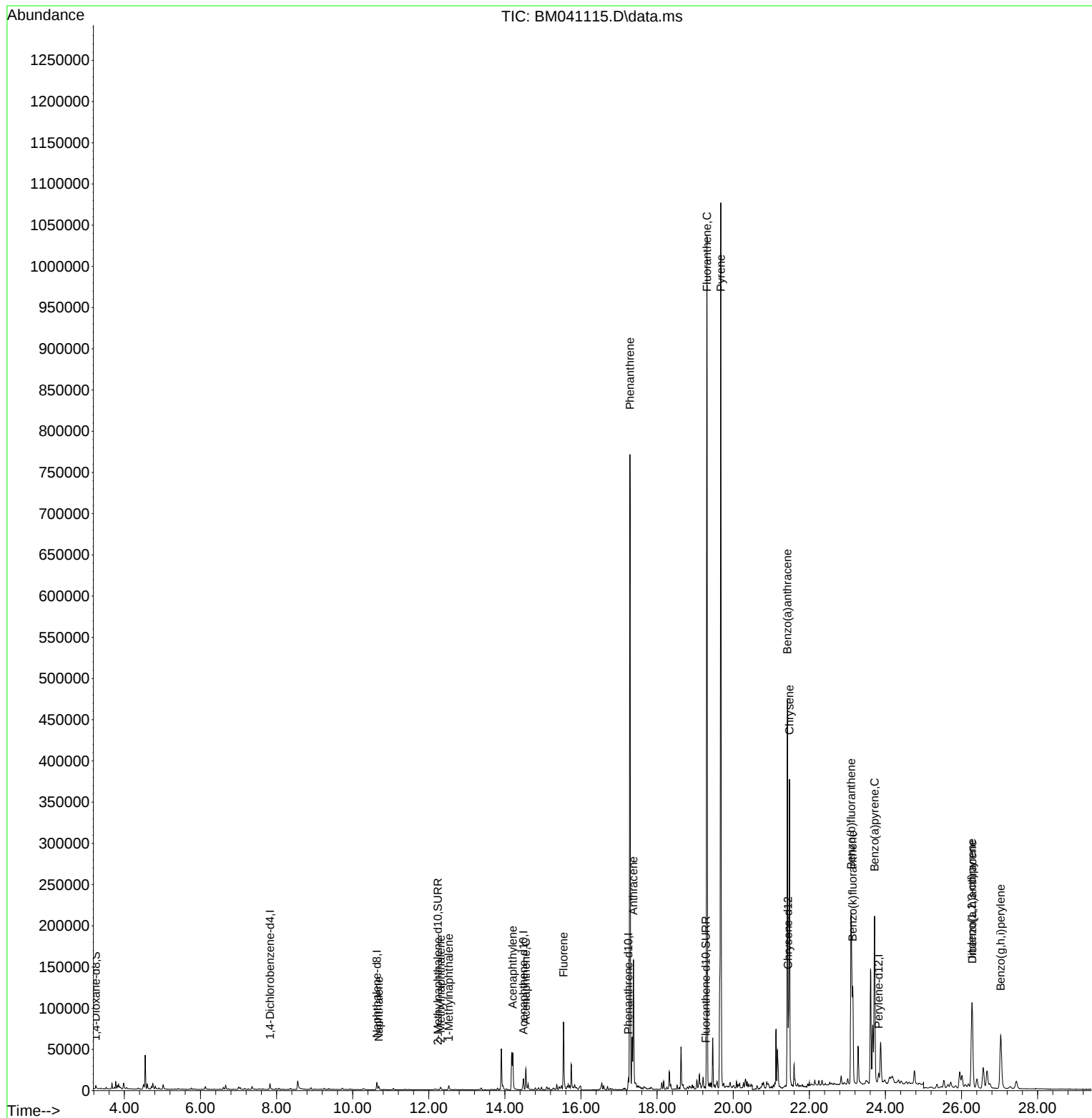
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041115.D
Acq On : 25 Jul 2023 20:49
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ALS Vial : 59 Sample Multiplier: 1

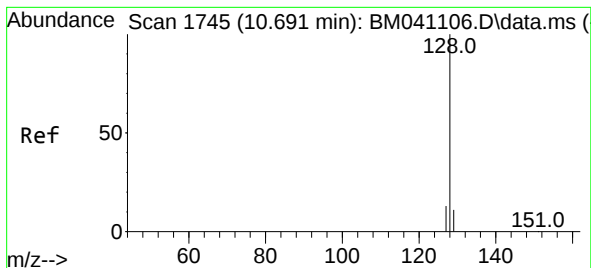
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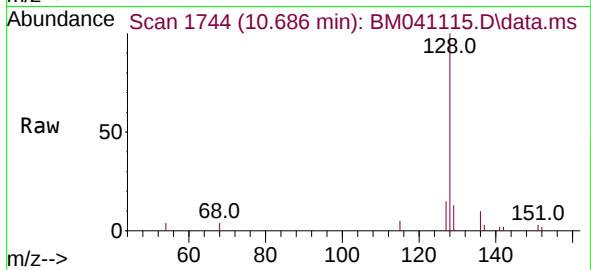
Quant Time: Jul 26 04:41:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 04:20:13 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.144 ng/ul
RT: 10.686 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

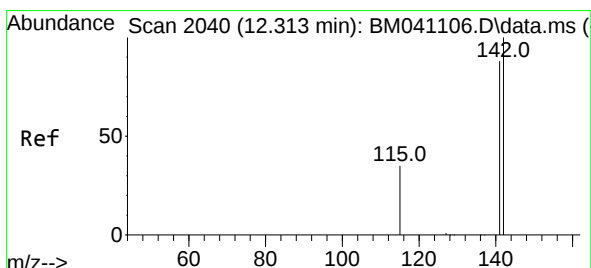
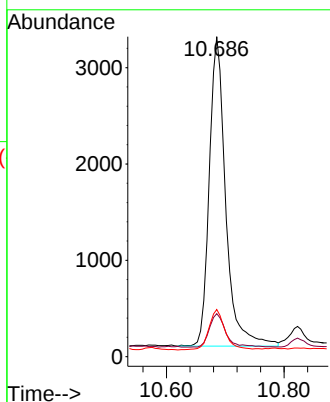
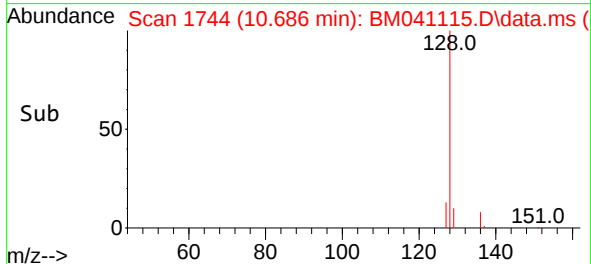
Instrument :
BNA_M
ClientSampleId :
A4733DL



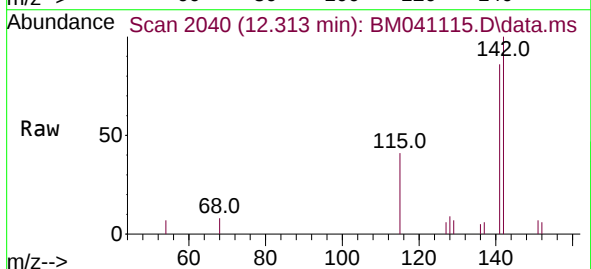
Tgt Ion:128 Resp: 6248
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.8
127 14.8 11.1 16.7

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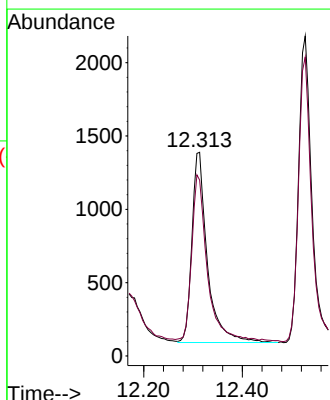
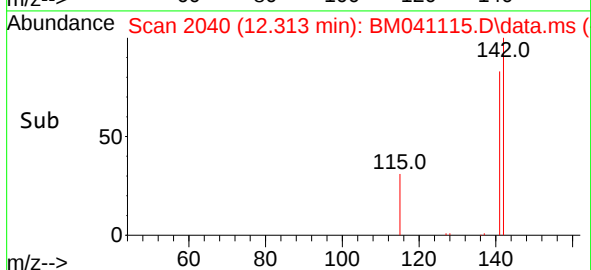
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

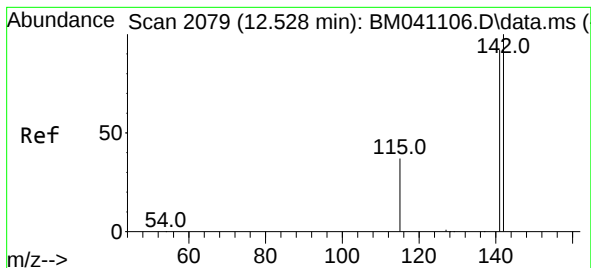


#7
2-Methylnaphthalene
Concen: 0.133 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49



Tgt Ion:142 Resp: 2826
Ion Ratio Lower Upper
142 100
141 89.5 73.3 109.9





#8

1-Methylnaphthalene

Concen: 0.177 ng/ul

RT: 12.528 min Scan# 2079

Delta R.T. -0.000 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_M

ClientSampleId :

A4733DL

Tgt Ion:142 Resp: 3864

Ion Ratio Lower Upper

142 100

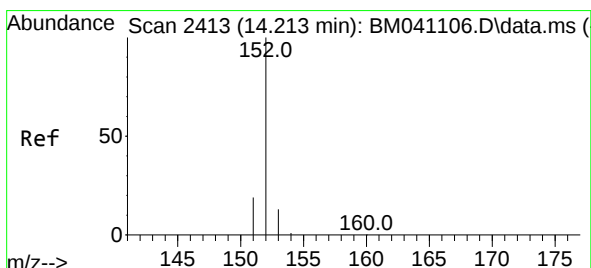
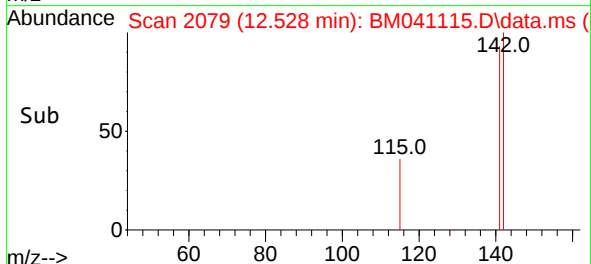
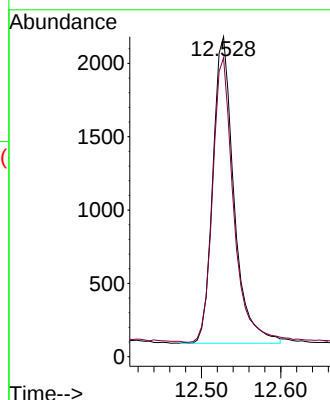
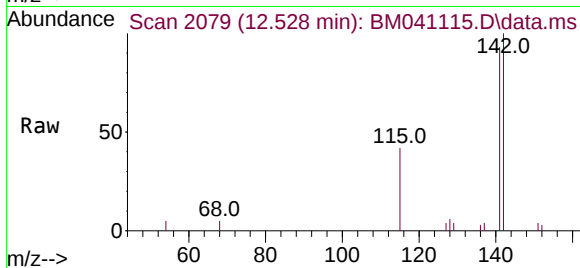
141 92.4 73.6 110.4

Manual Integrations

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#10

Acenaphthylene

Concen: 1.768 ng/ul

RT: 14.208 min Scan# 2412

Delta R.T. -0.005 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

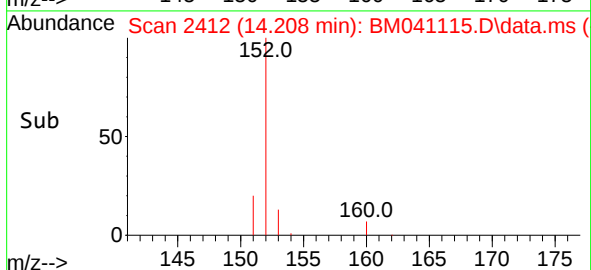
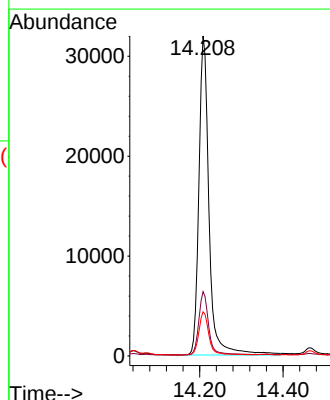
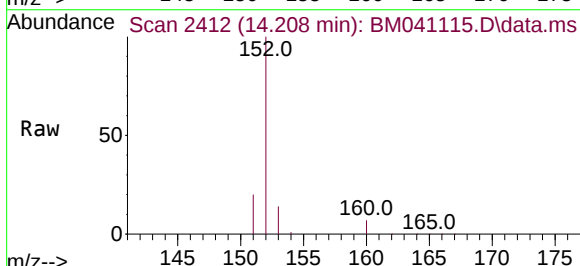
Tgt Ion:152 Resp: 54138

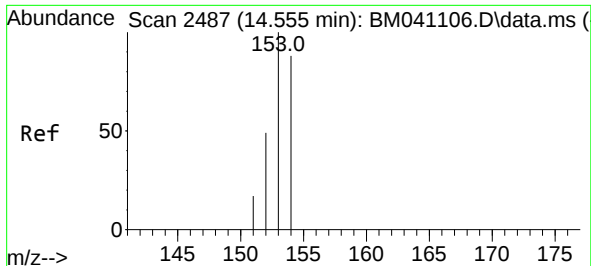
Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

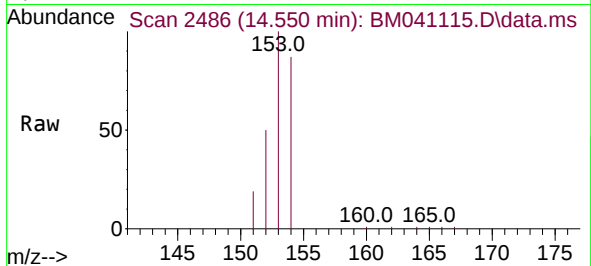
153 13.8 11.4 17.2





#11
Acenaphthene
Concen: 0.579 ng/ul
RT: 14.550 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

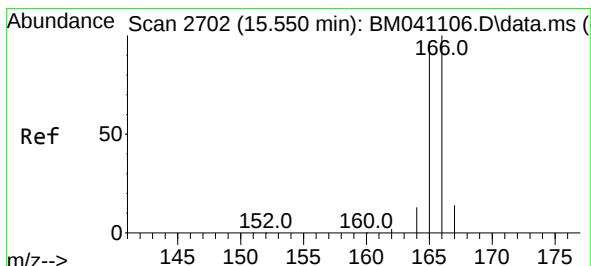
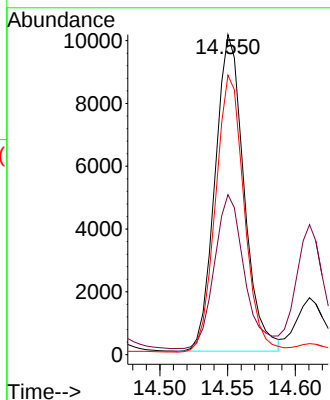
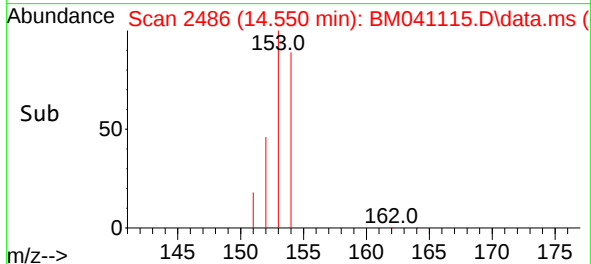
Instrument :
BNA_M
ClientSampleId :
A4733DL



Tgt Ion:153 Resp: 1496
Ion Ratio Lower Upper
153 100
152 50.0 40.2 60.4
154 87.4 70.3 105.5

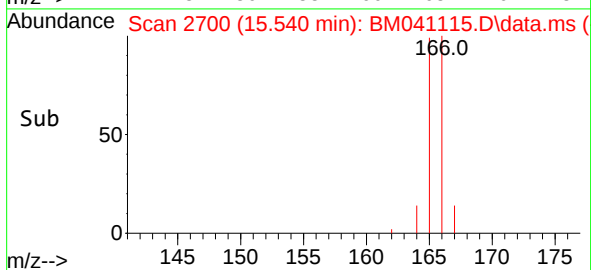
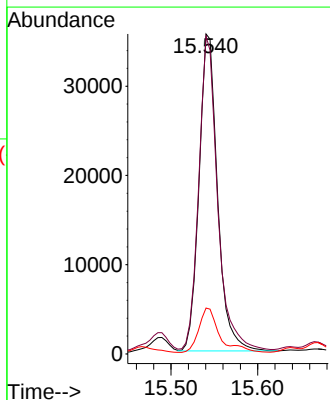
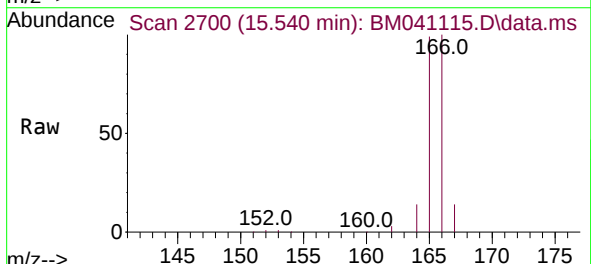
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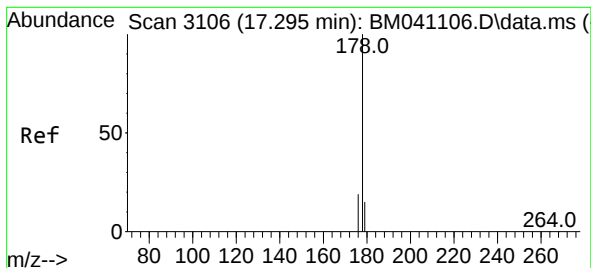
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#12
Fluorene
Concen: 1.868 ng/ul
RT: 15.540 min Scan# 2700
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

Tgt Ion:166 Resp: 52672
Ion Ratio Lower Upper
166 100
165 99.2 79.4 119.0
167 14.3 11.4 17.2





#15

Phenanthrene

Concen: 16.003 ng/uI

RT: 17.286 min Scan# 3104

Delta R.T. -0.009 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_M

ClientSampleId :

A4733DL

Tgt Ion:178 Resp: 785902

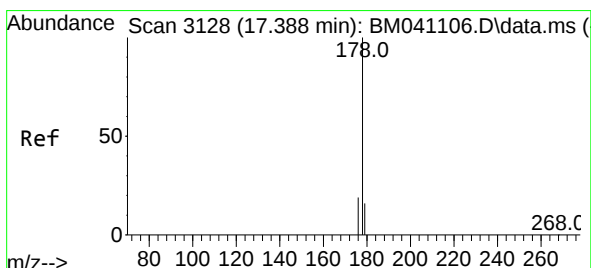
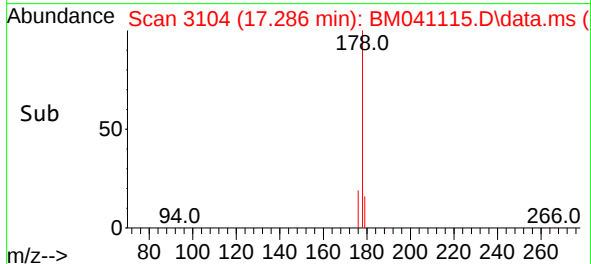
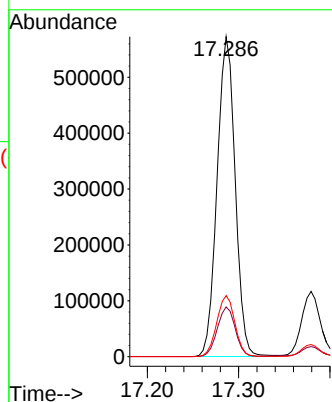
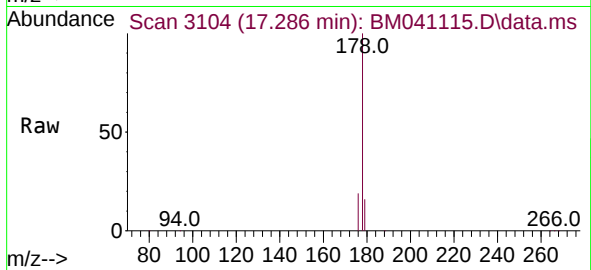
Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	19.1	16.0	24.0

Manual Integrations

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Supervised By :mohammad ahmed 07/27/2023



#16

Anthracene

Concen: 4.205 ng/uI

RT: 17.379 min Scan# 3126

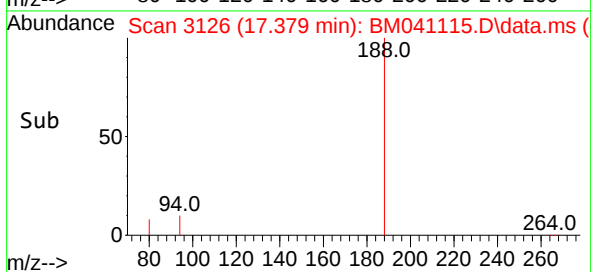
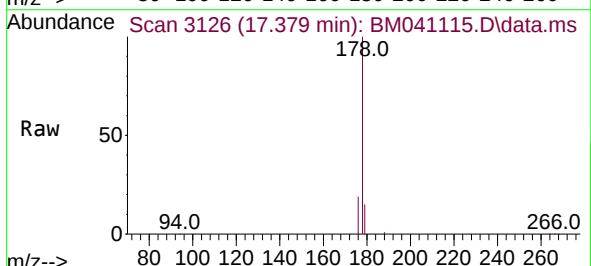
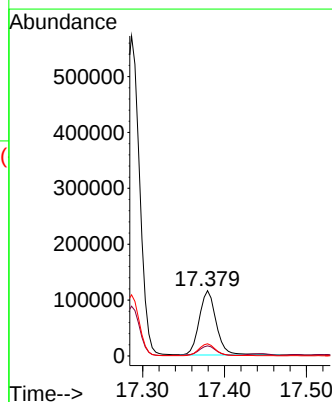
Delta R.T. -0.013 min

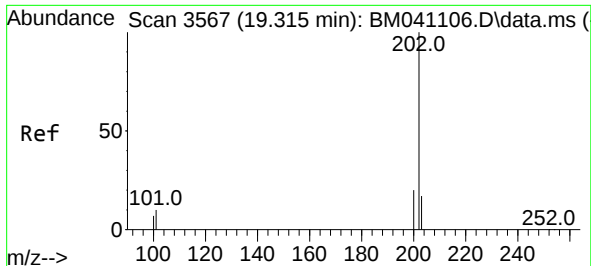
Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Tgt Ion:178 Resp: 167197

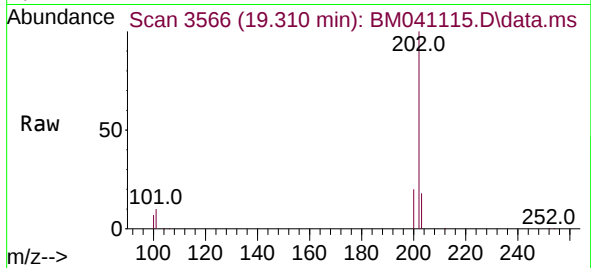
Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.6	20.4
176	18.6	16.0	24.0





#19
Fluoranthene
Concen: 18.982 ng/u1
RT: 19.310 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

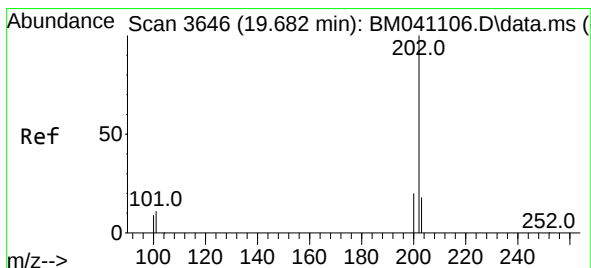
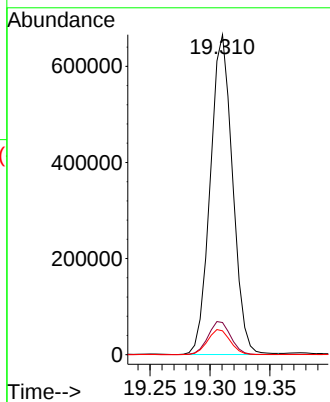
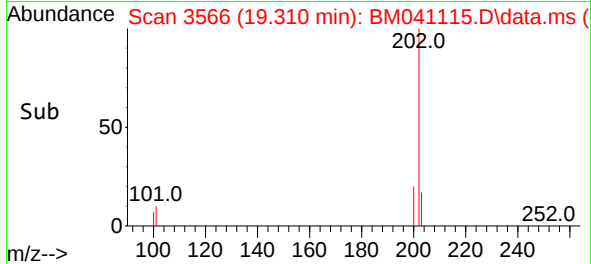
Instrument :
BNA_M
ClientSampleId :
A4733DL



Tgt Ion:202 Resp: 86245
Ion Ratio Lower Upper
202 100
101 10.0 9.4 14.0
100 7.4 7.1 10.7

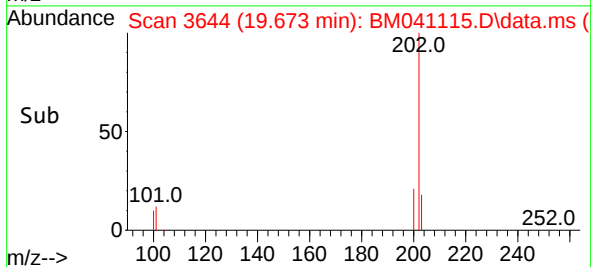
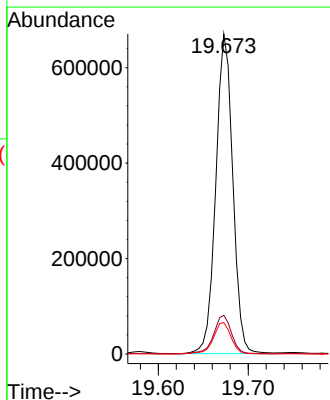
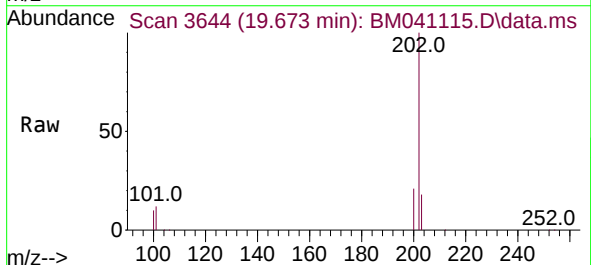
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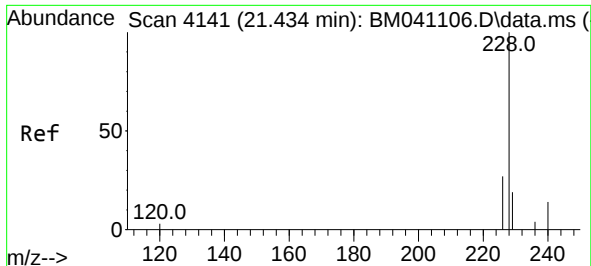
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 17.495 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

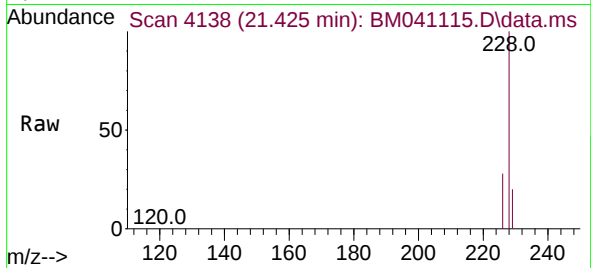
Tgt Ion:202 Resp: 876425
Ion Ratio Lower Upper
202 100
101 12.1 10.7 16.1
100 9.8 8.5 12.7





#21
Benzo(a)anthracene
Concen: 9.339 ng/ul
RT: 21.425 min Scan# 4141
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

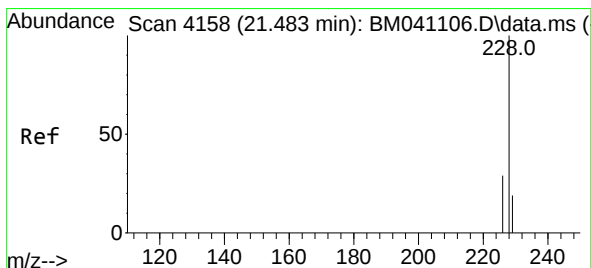
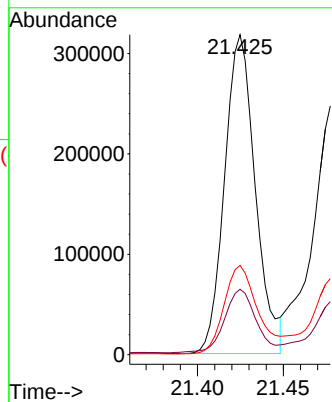
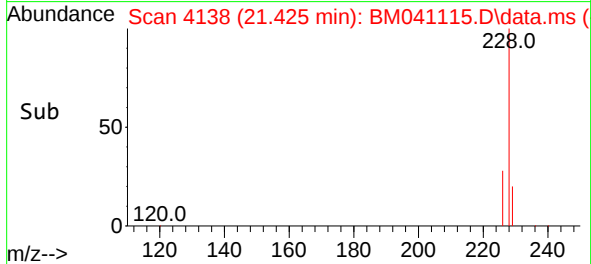
Instrument :
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Tgt Ion:228 Resp: 395799
Ion Ratio Lower Upper
228 100
229 20.5 16.5 24.7
226 27.9 22.2 33.2

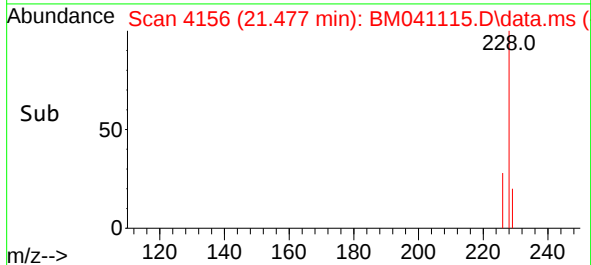
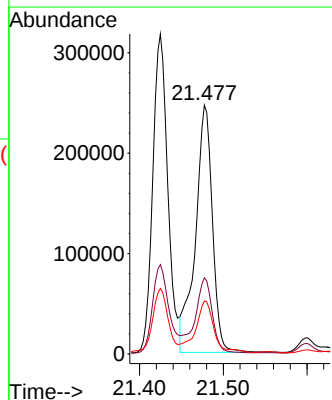
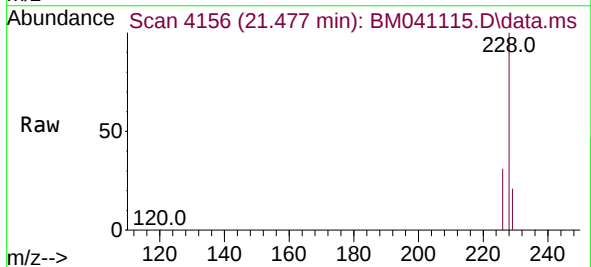
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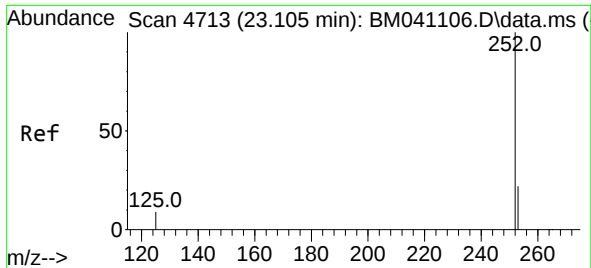
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#22
Chrysene
Concen: 7.092 ng/ul
RT: 21.477 min Scan# 4156
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

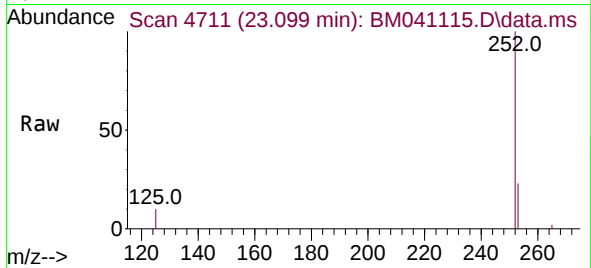
Tgt Ion:228 Resp: 347132
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 21.3 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 5.898 ng/ul
RT: 23.099 min Scan# 4711
Delta R.T. -0.006 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

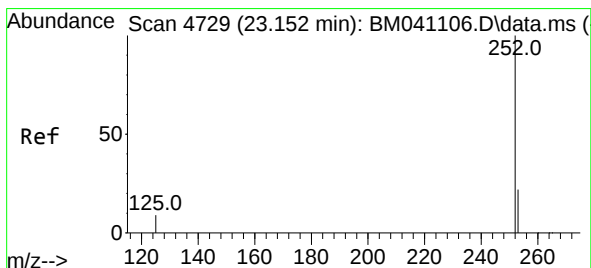
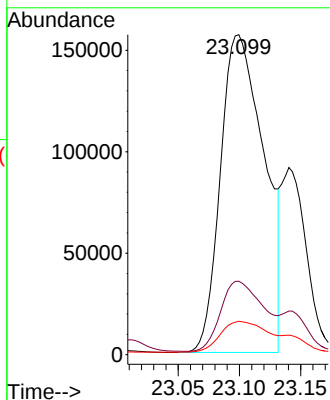
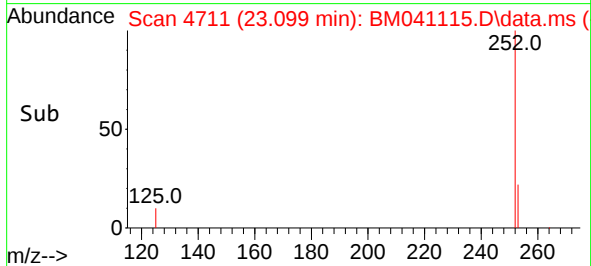
Instrument :
BNA_M
ClientSampleId :
A4733DL



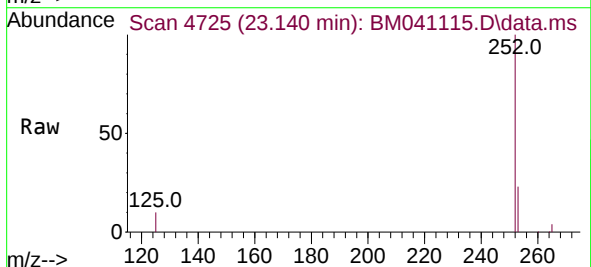
Tgt Ion:252 Resp: 38778
Ion Ratio Lower Upper
252 100
253 23.0 0.0 57.6
125 10.4 0.0 33.6

Manual Integrations
APPROVED

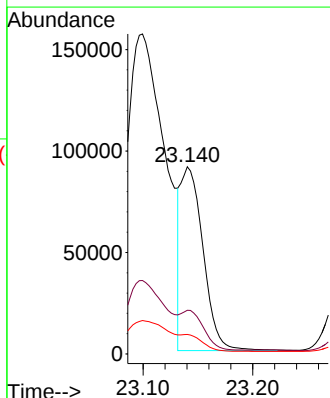
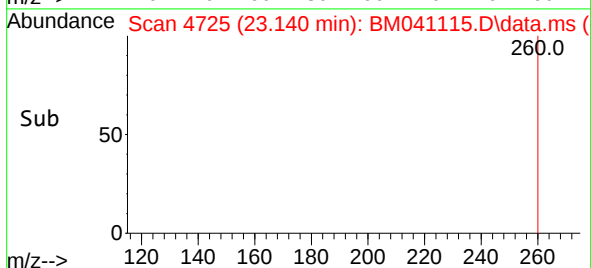
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

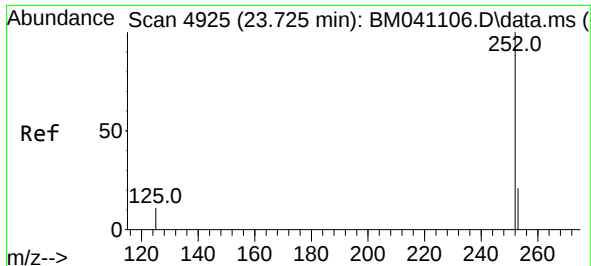


#25
Benzo(k)fluoranthene
Concen: 2.045 ng/ul m
RT: 23.140 min Scan# 4725
Delta R.T. -0.015 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49



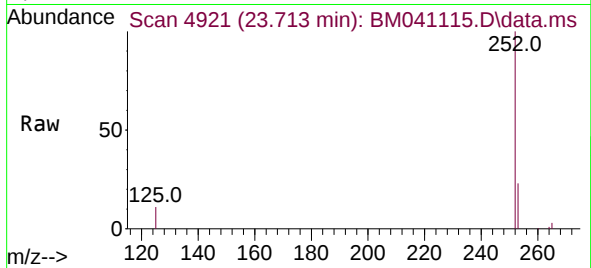
Tgt Ion:252 Resp: 128326
Ion Ratio Lower Upper
252 100
253 23.3 22.8 34.2
125 10.4 13.5 20.3





#26
Benzo(a)pyrene
Concen: 5.633 ng/ul
RT: 23.713 min Scan# 4925
Delta R.T. -0.015 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

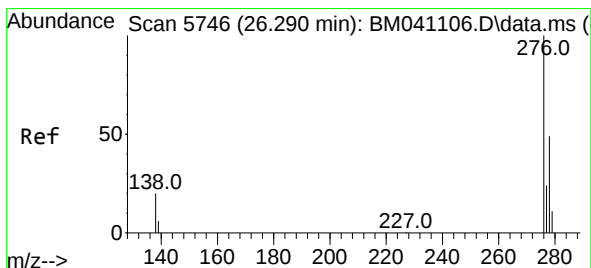
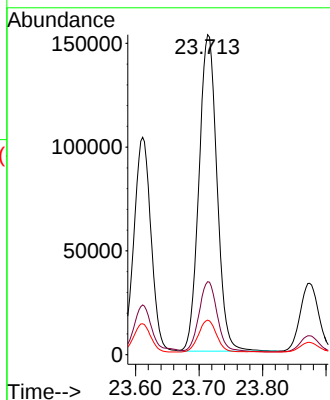
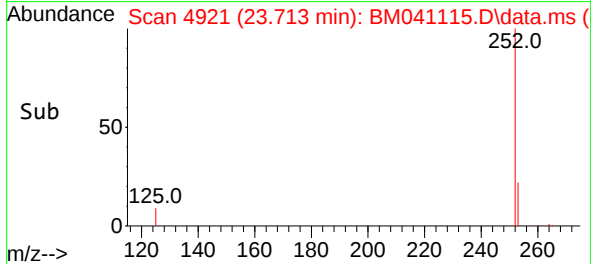
Instrument :
BNA_M
ClientSampleId :
A4733DL



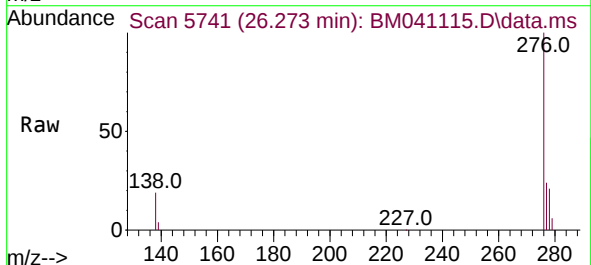
Tgt Ion:252 Resp: 299997
Ion Ratio Lower Upper
252 100
253 22.8 26.7 40.1
125 10.8 18.1 27.1

Manual Integrations
APPROVED

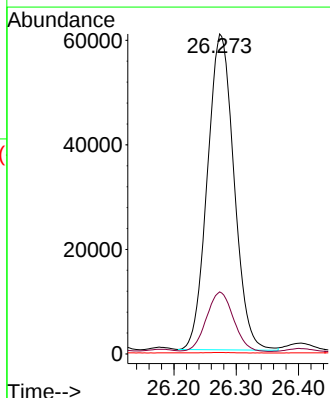
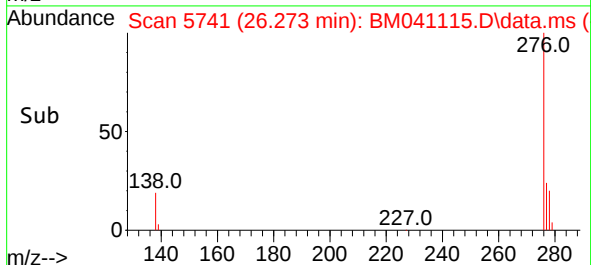
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

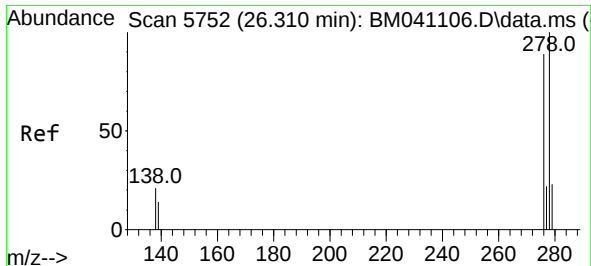


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.275 ng/ul
RT: 26.273 min Scan# 5741
Delta R.T. -0.024 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49



Tgt Ion:276 Resp: 179410
Ion Ratio Lower Upper
276 100
138 19.2 18.1 27.1
227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.767 ng/ul

RT: 26.283 min Scan# 51

Delta R.T. -0.034 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNM_M

ClientSampleId :

A4733DL

Tgt Ion:278 Resp: 4744

Ion Ratio Lower Upper

278 100

139 16.5 14.1 21.1

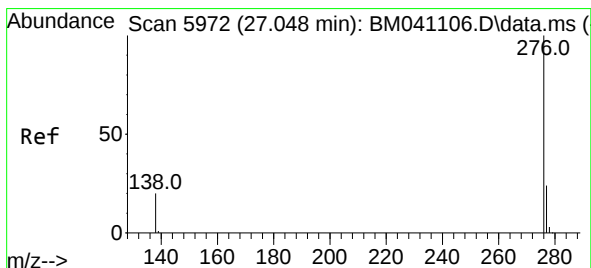
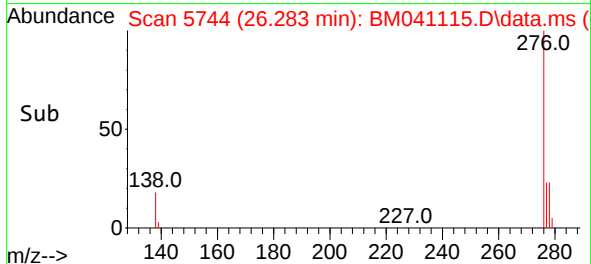
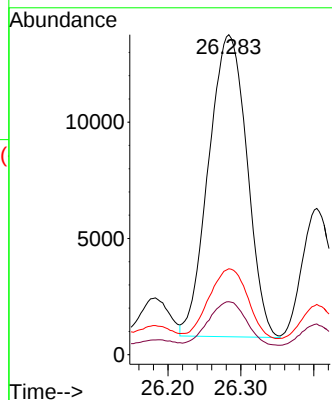
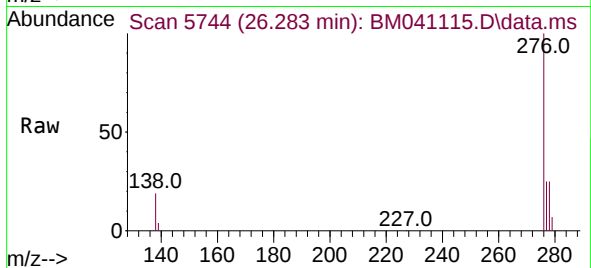
279 26.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/27/2023



#29

Benzo(g,h,i)perylene

Concen: 2.044 ng/ul

RT: 27.028 min Scan# 5966

Delta R.T. -0.024 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Tgt Ion:276 Resp: 144031

Ion Ratio Lower Upper

276 100

138 19.8 18.2 27.2

277 24.2 20.6 30.8

