

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041111.D
 Acq On : 25 Jul 2023 18:20
 Operator : MA/JU
 Sample : 03534-09DL 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4721DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 04:41:00 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	4314	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	15227	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	8136	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	16870	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	13656	0.400	ng/ul	0.00
23) Perylene-d12	23.825	264	14363	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	4626	0.695	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	1134	0.052	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	2304	0.062	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.686	128	2193	0.044	ng/ul#	89
7) 2-Methylnaphthalene	12.313	142	769	0.032	ng/ul	97
8) 1-Methylnaphthalene	12.533	142	606	0.024	ng/ul	96
10) Acenaphthylene	14.208	152	2260	0.066	ng/ul#	88
11) Acenaphthene	14.551	153	1624	0.056	ng/ul	96
12) Fluorene	15.545	166	2112	0.067	ng/ul#	97
15) Phenanthrene	17.287	178	32853	0.632	ng/ul	98
16) Anthracene	17.379	178	6067	0.144	ng/ul#	93
19) Fluoranthene	19.311	202	57941	1.184	ng/ul	98
20) Pyrene	19.673	202	51144	0.948	ng/ul	99
21) Benzo(a)anthracene	21.428	228	23447	0.514	ng/ul	96
22) Chrysene	21.480	228	25755	0.488	ng/ul	96
24) Benzo(b)fluoranthene	23.103	252	35588	0.622	ng/ul	98
25) Benzo(k)fluoranthene	23.146	252	12661m	0.232	ng/ul	
26) Benzo(a)pyrene	23.719	252	21949	0.473	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.284	276	19054	0.278	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.294	278	4391	0.082	ng/ul#	63
29) Benzo(g,h,i)perylene	27.042	276	18431	0.300	ng/ul	99

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

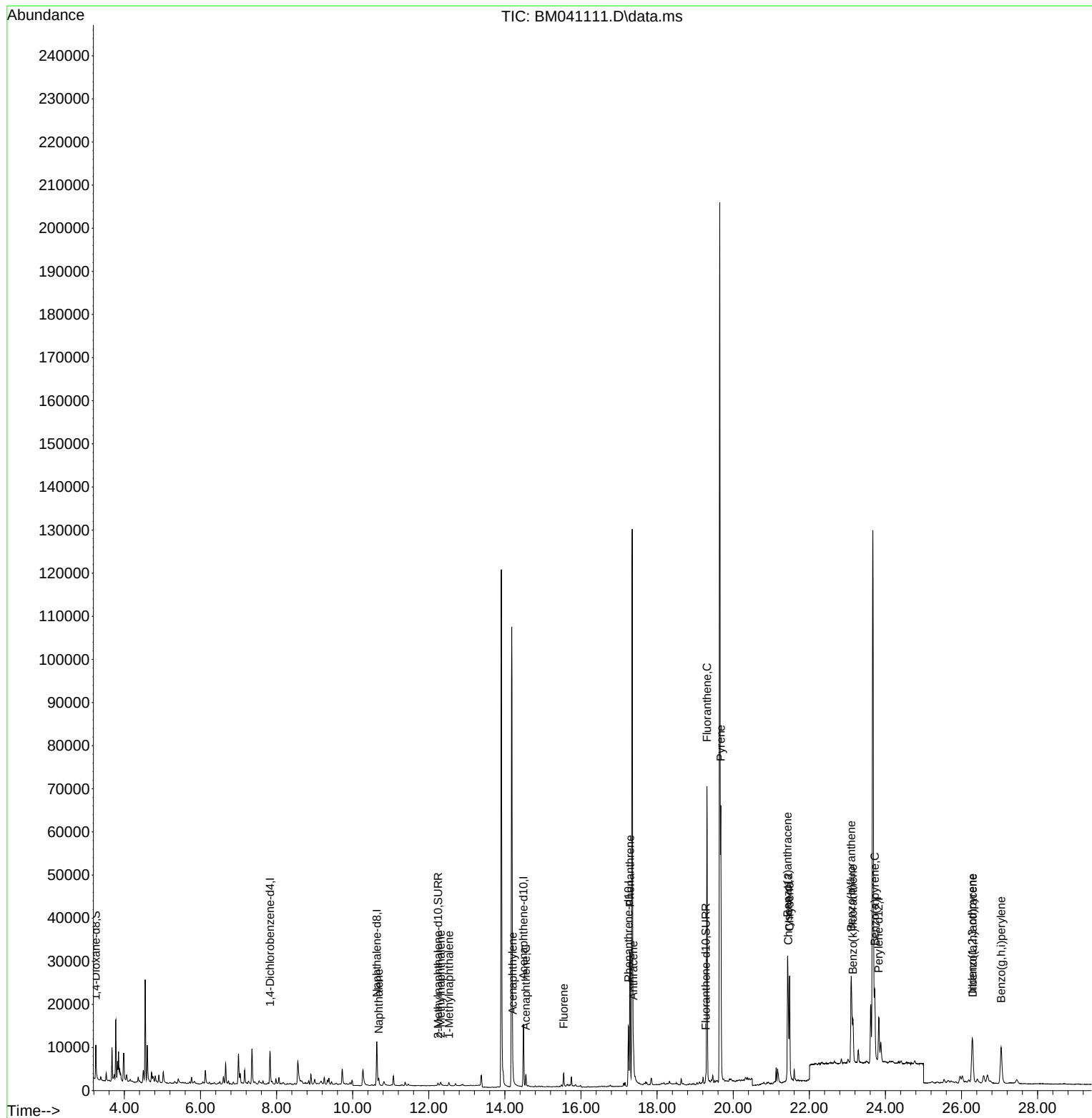
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041111.D
Acq On : 25 Jul 2023 18:20
Operator : MA/JU
Sample : 03534-09DL 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

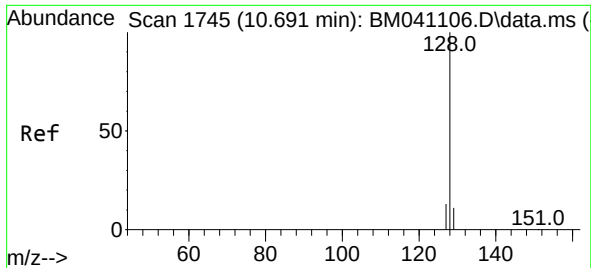
Instrument :
BNA_M
ClientSampleId :
A4721DL

Manual Integrations
APPROVED

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

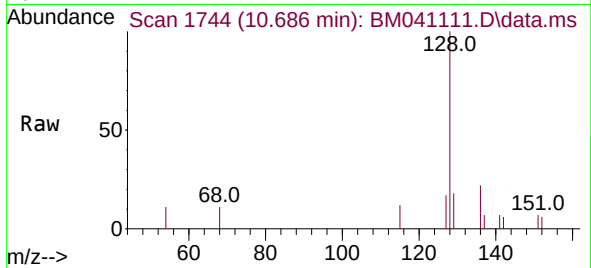
Quant Time: Jul 26 04:41:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 04:20:13 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.044 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

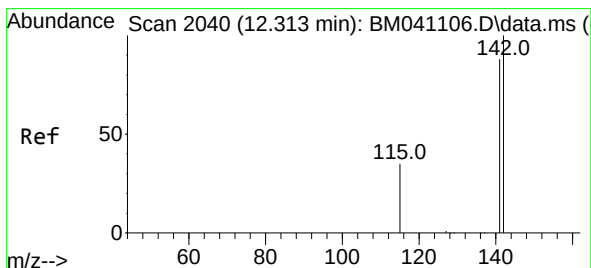
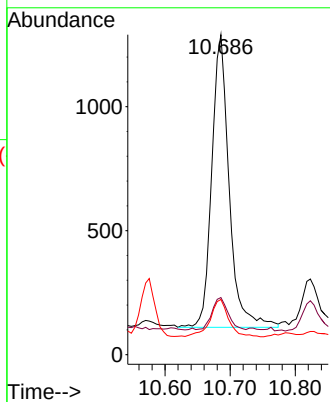
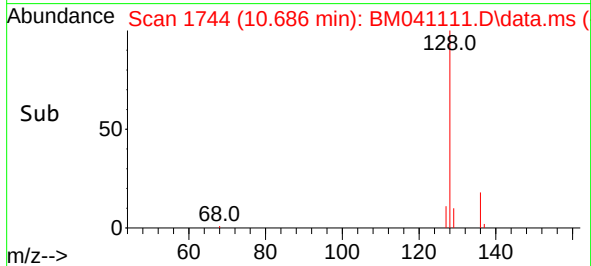
Instrument :
BNA_M
ClientSampleId :
A4721DL



Tgt Ion:128 Resp: 219
Ion Ratio Lower Upper
128 100
129 17.8 9.8 14.8
127 17.2 11.1 16.7

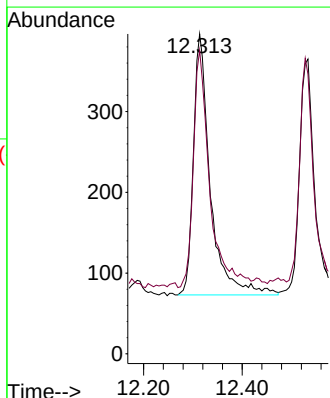
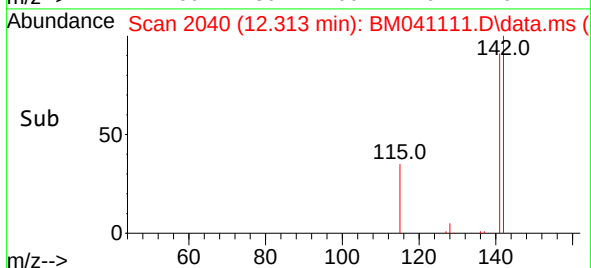
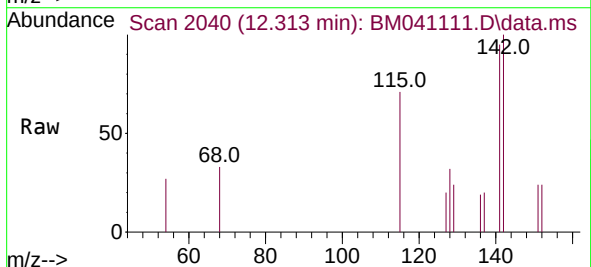
Manual Integrations
APPROVED

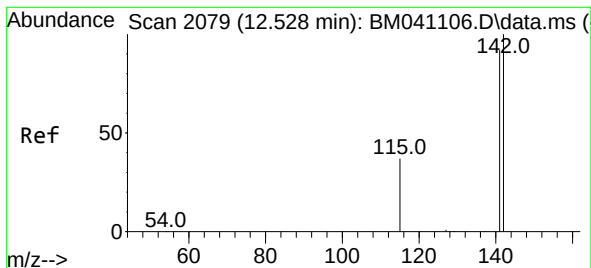
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#7
2-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
141 88.6 73.3 109.9





#8

1-Methylnaphthalene

Concen: 0.024 ng/ul

RT: 12.533 min Scan# 2080

Delta R.T. 0.005 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

Instrument :

BNA_M

ClientSampleId :

A4721DL

Tgt Ion:142 Resp: 600

Ion Ratio Lower Upper

142 100

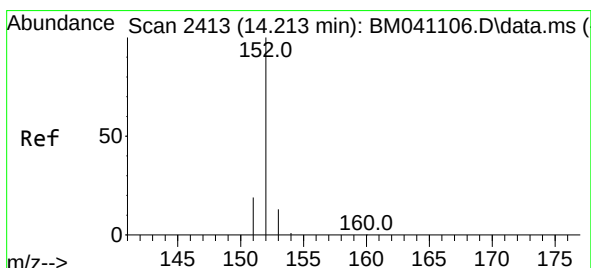
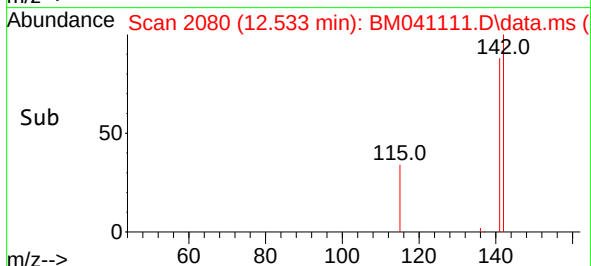
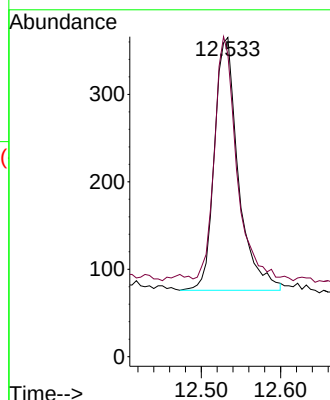
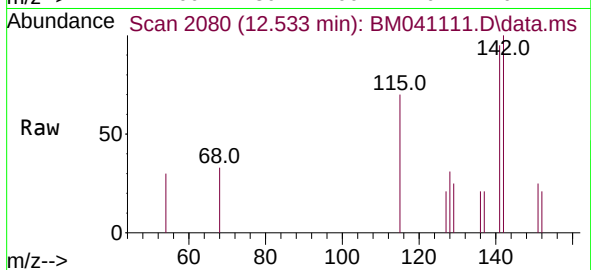
141 88.4 73.6 110.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/27/2023



#10

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.208 min Scan# 2412

Delta R.T. -0.005 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

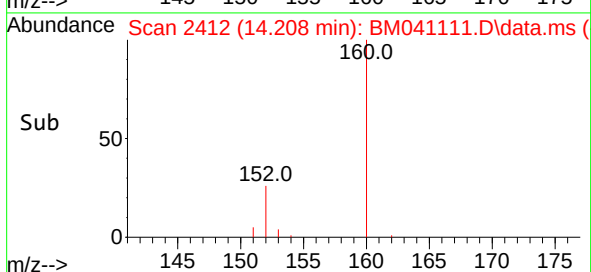
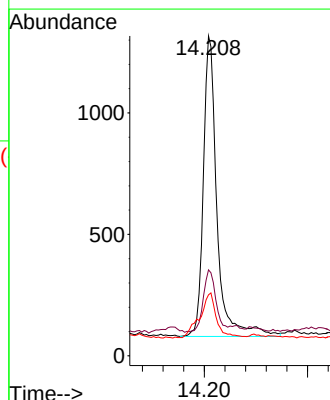
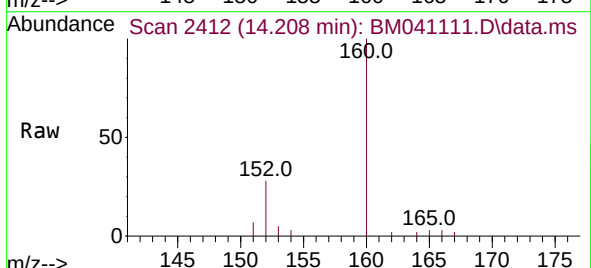
Tgt Ion:152 Resp: 2260

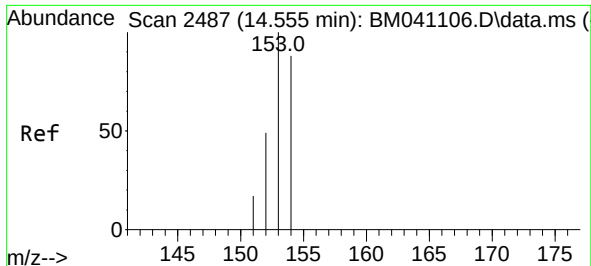
Ion Ratio Lower Upper

152 100

151 26.9 16.8 25.2#

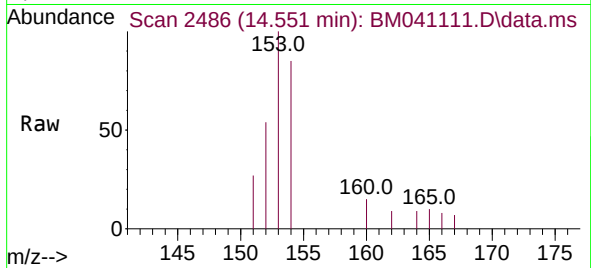
153 19.1 11.4 17.2#





#11
Acenaphthene
Concen: 0.056 ng/u1
RT: 14.551 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

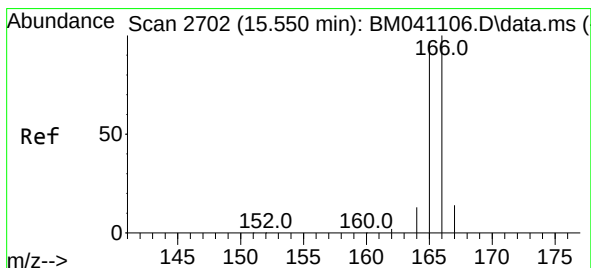
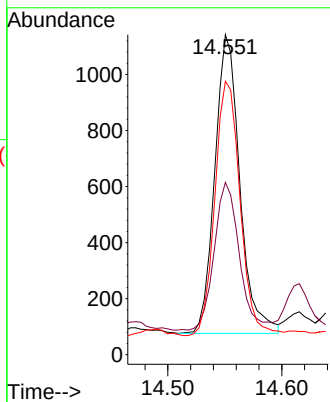
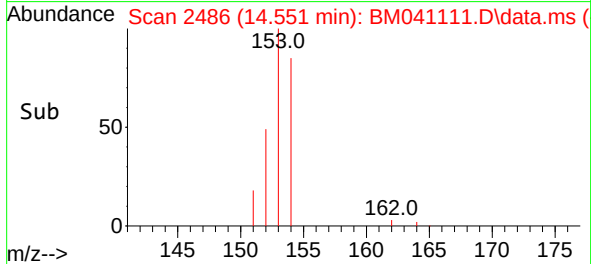
Instrument :
BNA_M
ClientSampleId :
A4721DL



Tgt Ion:153 Resp: 1624
Ion Ratio Lower Upper
153 100
152 53.9 40.2 60.4
154 85.5 70.3 105.5

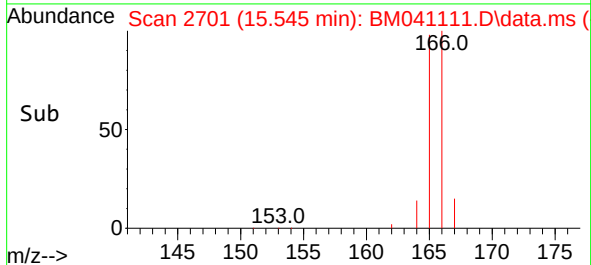
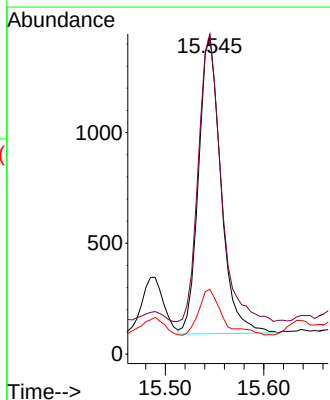
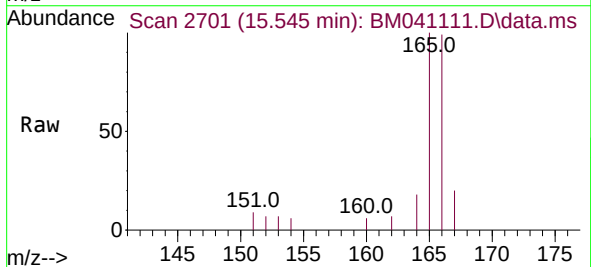
Manual Integrations
APPROVED

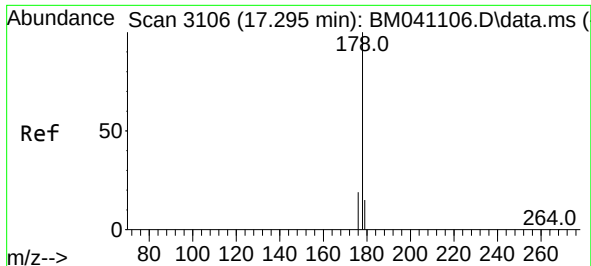
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#12
Fluorene
Concen: 0.067 ng/u1
RT: 15.545 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

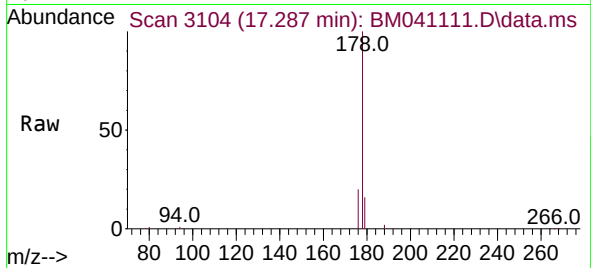
Tgt Ion:166 Resp: 2112
Ion Ratio Lower Upper
166 100
165 100.8 79.4 119.0
167 20.4 11.4 17.2#





#15
Phenanthrene
Concen: 0.632 ng/u1
RT: 17.287 min Scan# 3106
Delta R.T. -0.008 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

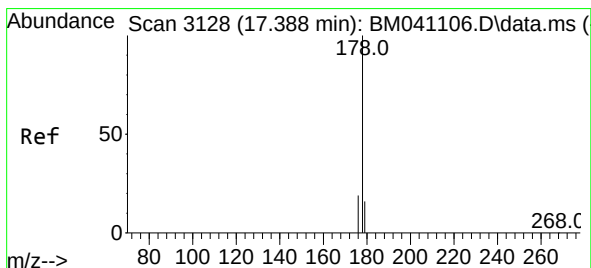
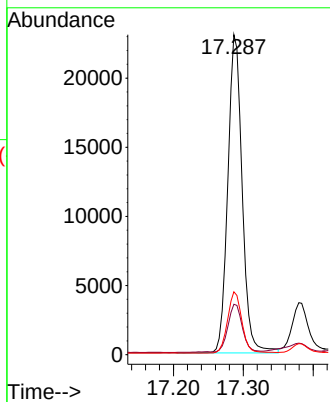
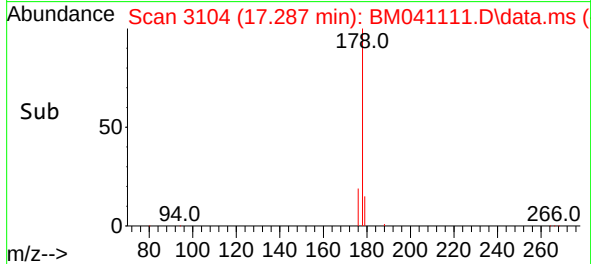
Instrument :
BNA_M
ClientSampleId :
A4721DL



Tgt Ion:178 Resp: 3285
Ion Ratio Lower Upper
178 100
179 15.7 13.4 20.2
176 19.7 16.0 24.0

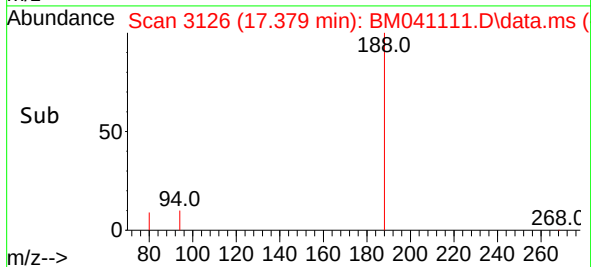
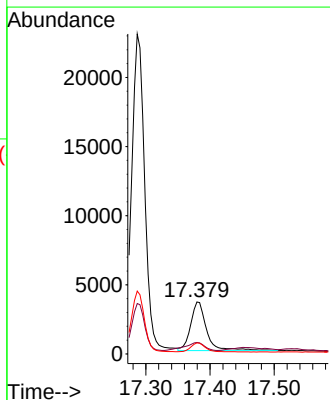
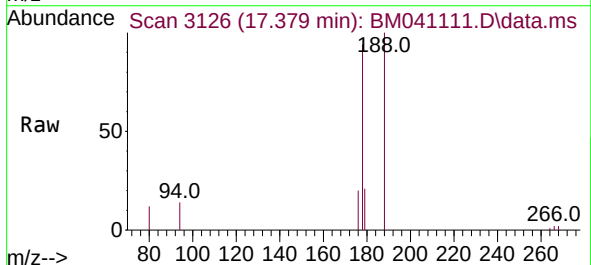
Manual Integrations
APPROVED

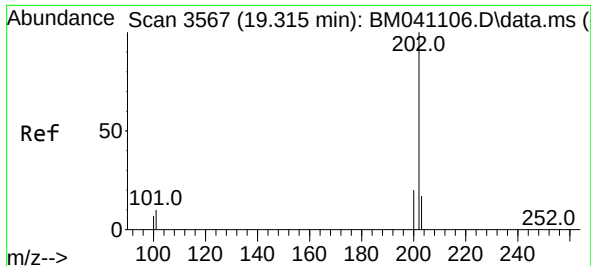
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#16
Anthracene
Concen: 0.144 ng/u1
RT: 17.379 min Scan# 3126
Delta R.T. -0.013 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:178 Resp: 6067
Ion Ratio Lower Upper
178 100
179 22.3 13.6 20.4#
176 21.3 16.0 24.0





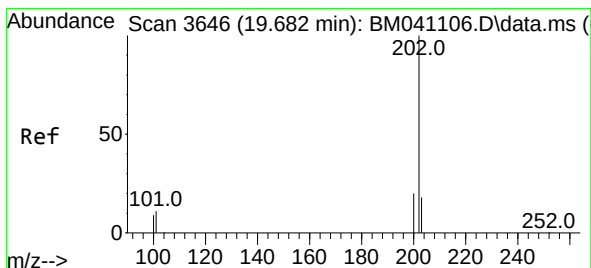
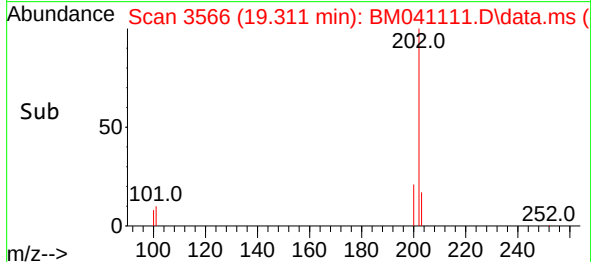
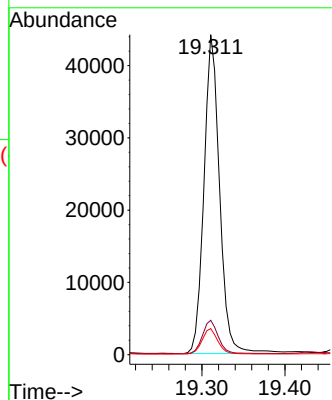
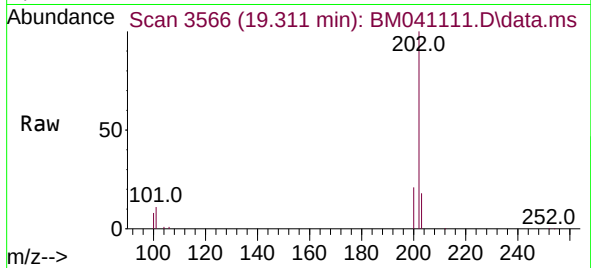
#19
Fluoranthene
Concen: 1.184 ng/ul
RT: 19.311 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Instrument :
BNA_M
ClientSampleId :
A4721DL

Tgt Ion:202 Resp: 5794
Ion Ratio Lower Upper
202 100
101 10.8 9.4 14.0
100 8.2 7.1 10.7

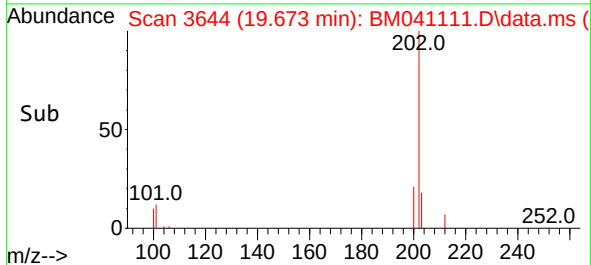
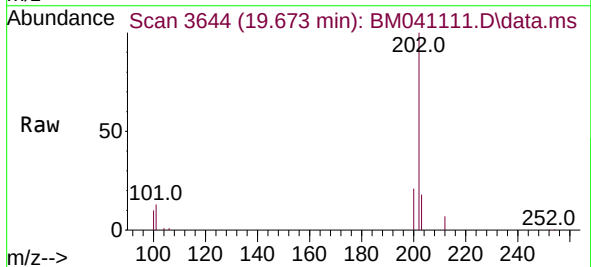
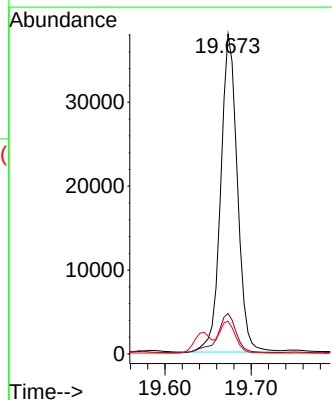
Manual Integrations
APPROVED

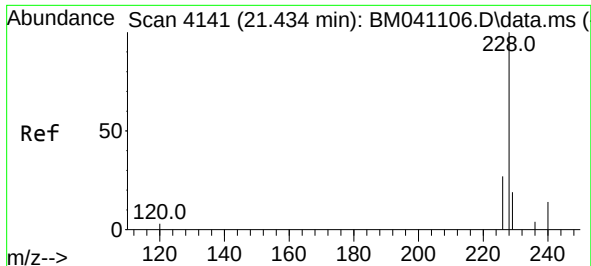
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 0.948 ng/ul
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

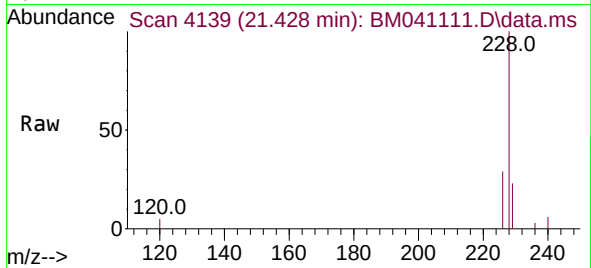
Tgt Ion:202 Resp: 51144
Ion Ratio Lower Upper
202 100
101 12.7 10.7 16.1
100 10.2 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.514 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

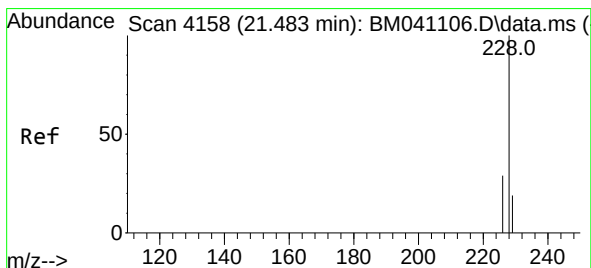
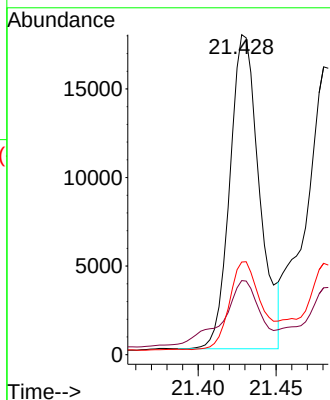
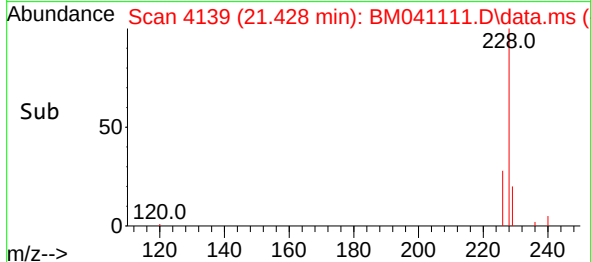
Instrument :
BNA_M
ClientSampleId :
A4721DL



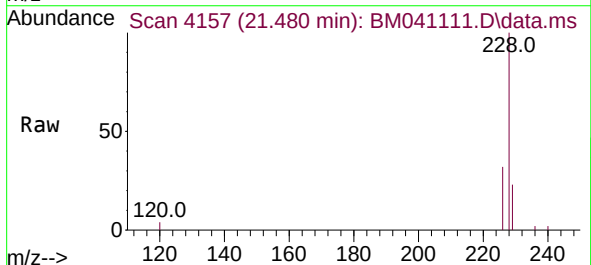
Tgt Ion:228 Resp: 2344
Ion Ratio Lower Upper
228 100
229 23.1 16.5 24.7
226 29.0 22.2 33.2

Manual Integrations
APPROVED

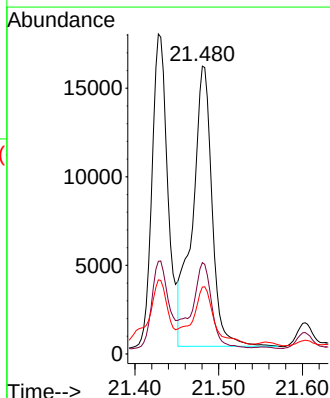
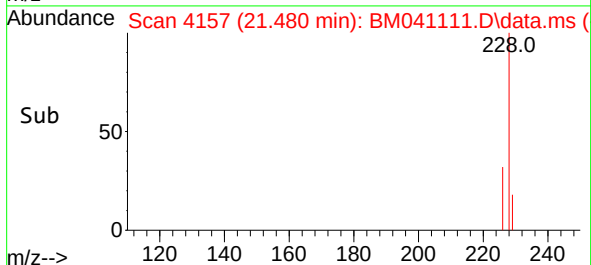
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

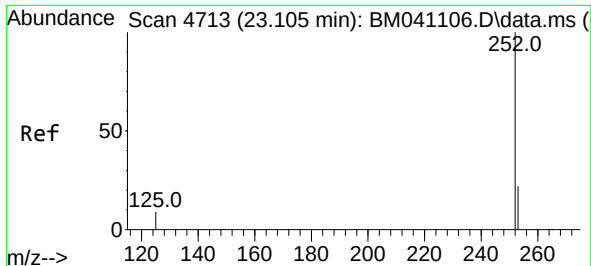


#22
Chrysene
Concen: 0.488 ng/ul
RT: 21.480 min Scan# 4157
Delta R.T. -0.006 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20



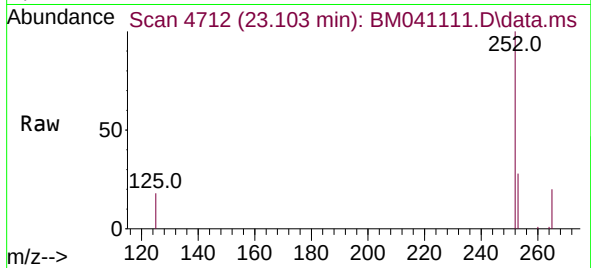
Tgt Ion:228 Resp: 25755
Ion Ratio Lower Upper
228 100
226 31.7 24.2 36.4
229 23.2 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.622 ng/ul
RT: 23.103 min Scan# 4713
Delta R.T. -0.003 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

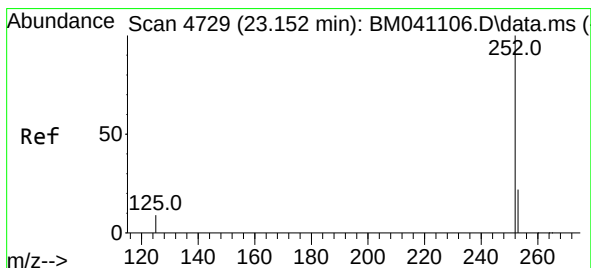
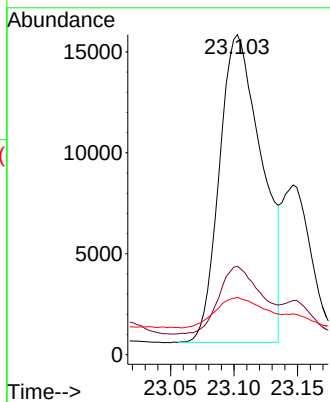
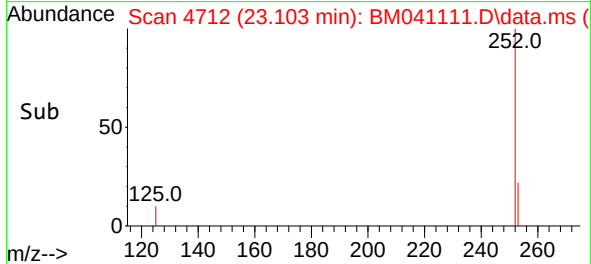
Instrument :
BNA_M
ClientSampleId :
A4721DL



Tgt Ion:252 Resp: 3558
Ion Ratio Lower Upper
252 100
253 27.7 0.0 57.6
125 17.9 0.0 33.6

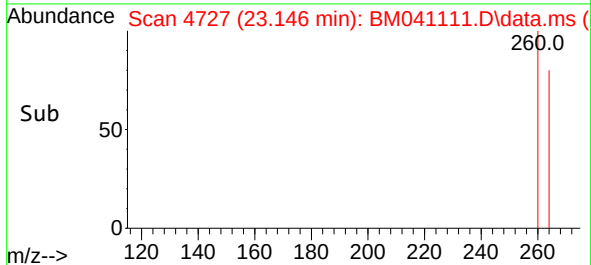
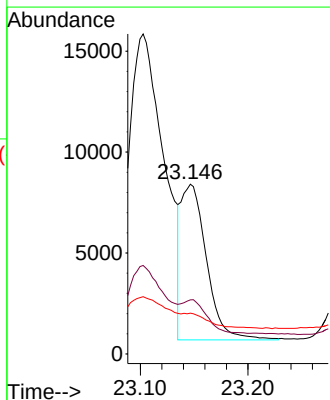
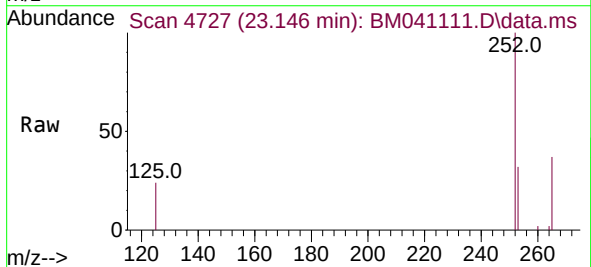
Manual Integrations
APPROVED

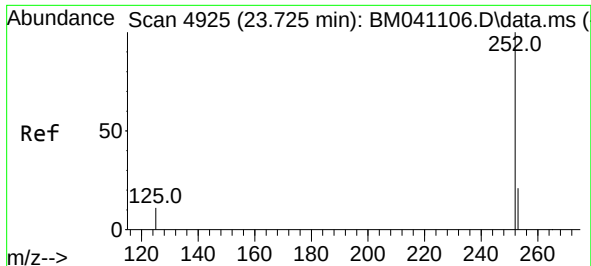
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#25
Benzo(k)fluoranthene
Concen: 0.232 ng/ul m
RT: 23.146 min Scan# 4727
Delta R.T. -0.009 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

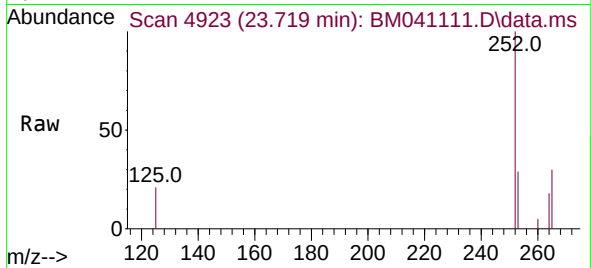
Tgt Ion:252 Resp: 12661
Ion Ratio Lower Upper
252 100
253 31.9 22.8 34.2
125 24.1 13.5 20.3#





#26
Benzo(a)pyrene
Concen: 0.473 ng/ul
RT: 23.719 min Scan# 4925
Delta R.T. -0.009 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

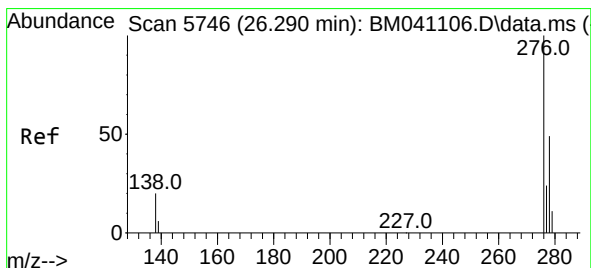
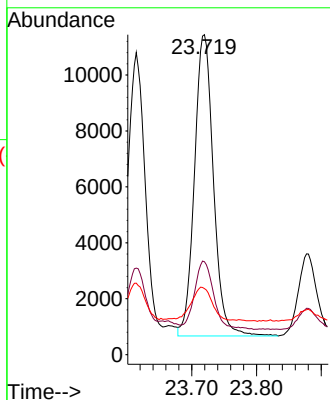
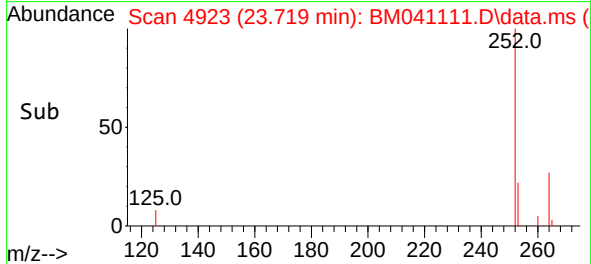
Instrument :
BNA_M
ClientSampleId :
A4721DL



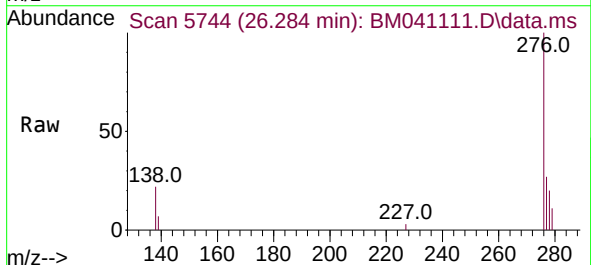
Tgt Ion:252 Resp: 21949
Ion Ratio Lower Upper
252 100
253 29.1 26.7 40.1
125 20.7 18.1 27.1

Manual Integrations
APPROVED

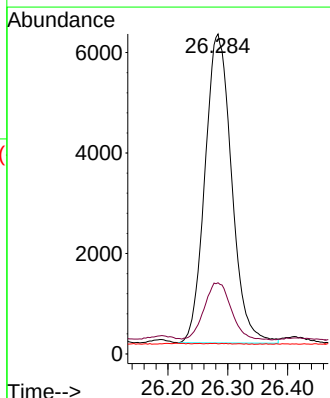
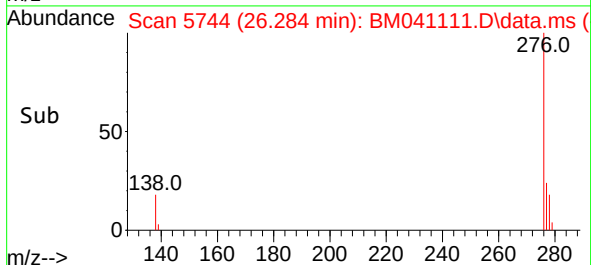
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

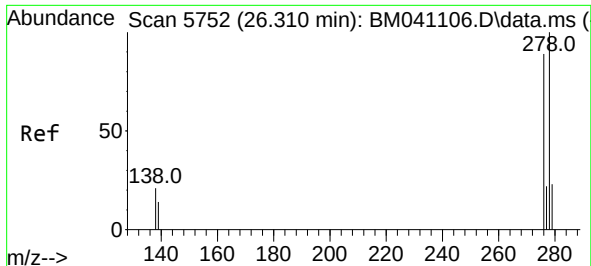


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.278 ng/ul
RT: 26.284 min Scan# 5744
Delta R.T. -0.013 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20



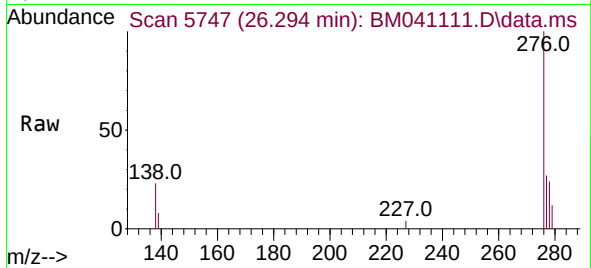
Tgt Ion:276 Resp: 19054
Ion Ratio Lower Upper
276 100
138 18.7 18.1 27.1
227 0.1 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

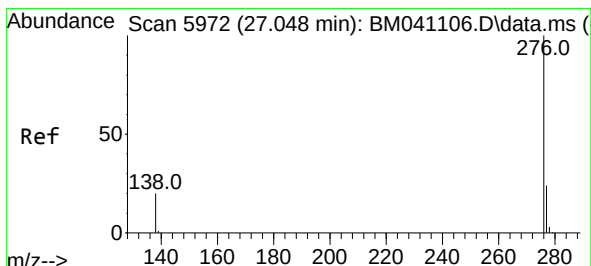
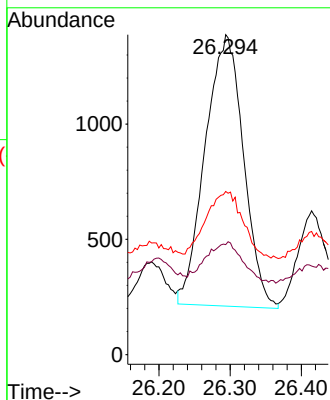
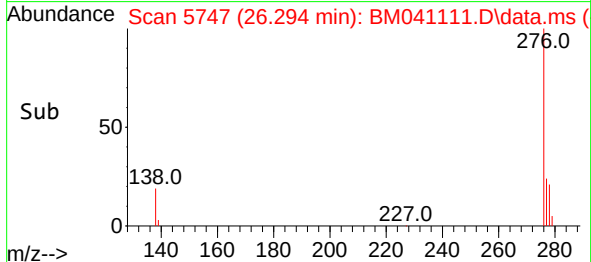
Instrument :
BNA_M
ClientSampleId :
A4721DL



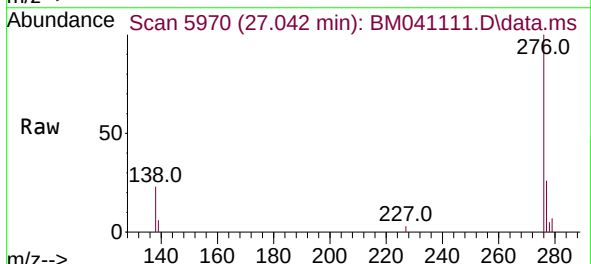
Tgt Ion:278 Resp: 439
Ion Ratio Lower Upper
278 100
139 34.4 14.1 21.1
279 51.0 25.0 37.4

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.300 ng/ul
RT: 27.042 min Scan# 5970
Delta R.T. -0.010 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20



Tgt Ion:276 Resp: 18431
Ion Ratio Lower Upper
276 100
138 22.6 18.2 27.2
277 26.4 20.6 30.8

