

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041057.D
 Acq On : 22 Jul 2023 16:57
 Operator : MA/JU
 Sample : 03540-02DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4730DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 22:37:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	3830	0.400	ng/ul	0.00
4) Naphthalene-d8	10.663	136	12622	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	6893	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.269	188	13801	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.463	240	12186	0.400	ng/ul	# 0.00
23) Perylene-d12	23.851	264	11541	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	1484	0.236	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	769	0.046	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	1542	0.030	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.718	128	1020	0.030	ng/ul#	72
11) Acenaphthene	14.573	153	1600	0.063	ng/ul	98
12) Fluorene	15.568	166	1301	0.049	ng/ul#	96
15) Phenanthrene	17.312	178	19490	0.472	ng/ul	99
16) Anthracene	17.400	178	2902	0.090	ng/ul#	87
19) Fluoranthene	19.329	202	29560	0.470	ng/ul	94
20) Pyrene	19.691	202	21039	0.327	ng/ul	95
21) Benzo(a)anthracene	21.448	228	12730	0.343	ng/ul	98
22) Chrysene	21.501	228	10764	0.254	ng/ul	98
24) Benzo(b)fluoranthene	23.129	252	14195	0.320	ng/ul	95
25) Benzo(k)fluoranthene	23.172	252	5995m	0.142	ng/ul	
26) Benzo(a)pyrene	23.746	252	5013	0.131	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.324	276	5046	0.099	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.340	278	1594	0.042	ng/ul#	45

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

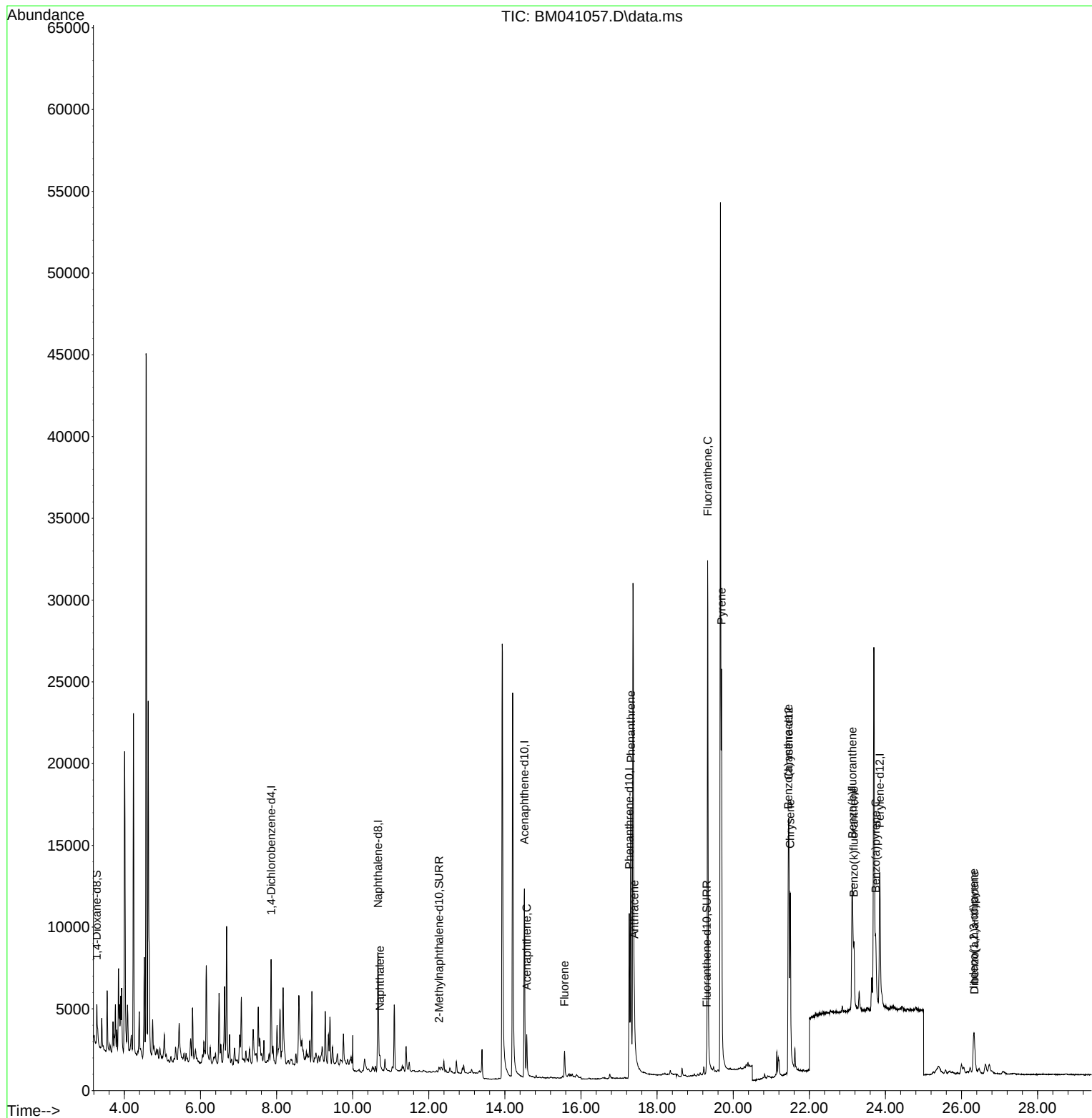
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041057.D
Acq On : 22 Jul 2023 16:57
Operator : MA/JU
Sample : 03540-02DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

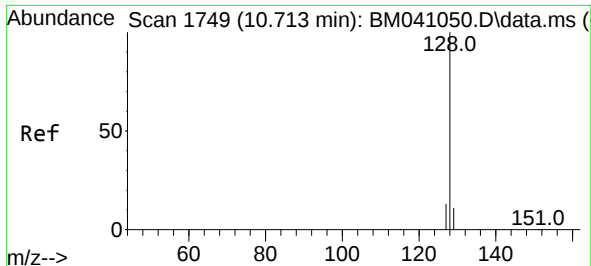
Instrument :
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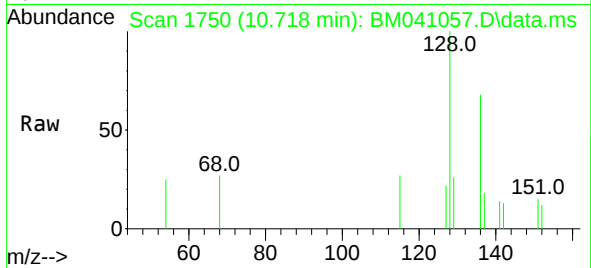
Quant Time: Jul 22 22:37:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.030 ng/ul
RT: 10.718 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57

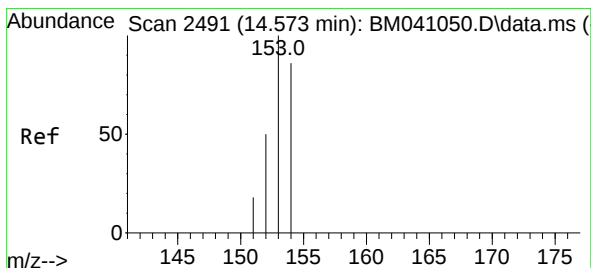
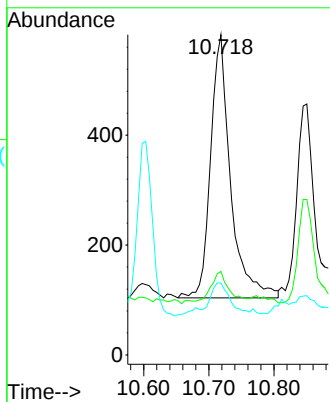
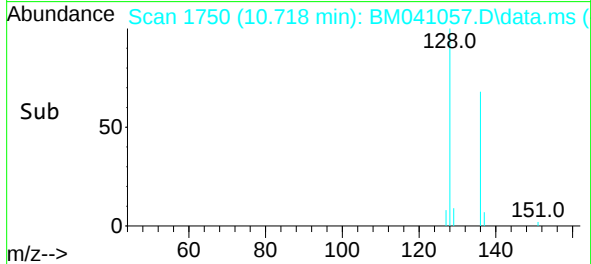
Instrument :
BNA_M
ClientSampleId :
A4730DL



Tgt Ion:128 Resp: 1020
Ion Ratio Lower Upper
128 100
129 26.1 9.8 14.8
127 22.5 11.0 16.4

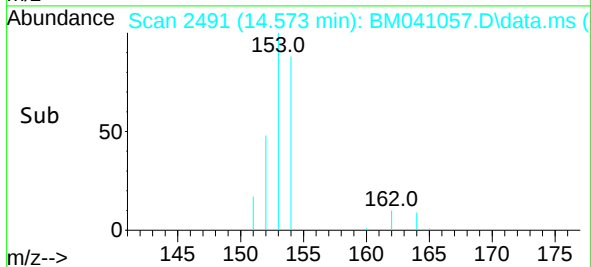
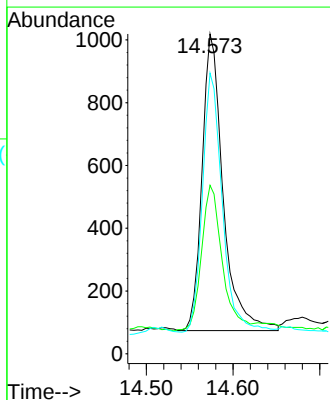
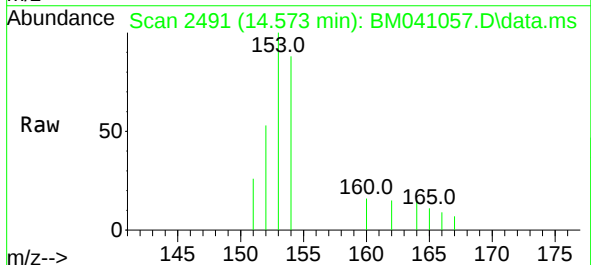
Manual Integrations
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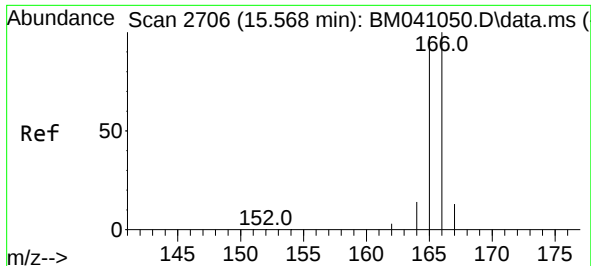
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#11
Acenaphthene
Concen: 0.063 ng/ul
RT: 14.573 min Scan# 2491
Delta R.T. -0.000 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57

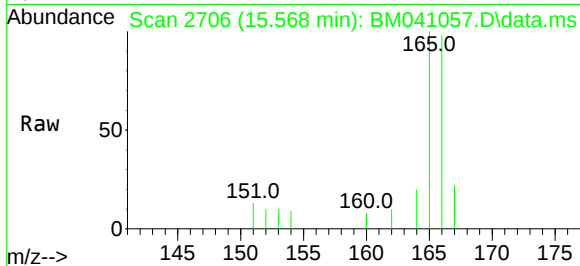
Tgt Ion:153 Resp: 1600
Ion Ratio Lower Upper
153 100
152 52.7 41.0 61.6
154 87.7 68.2 102.2





#12
Fluorene
Concen: 0.049 ng/ul
RT: 15.568 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57

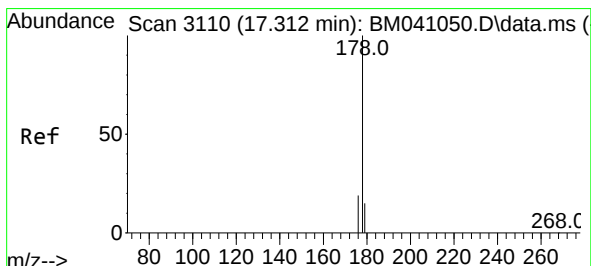
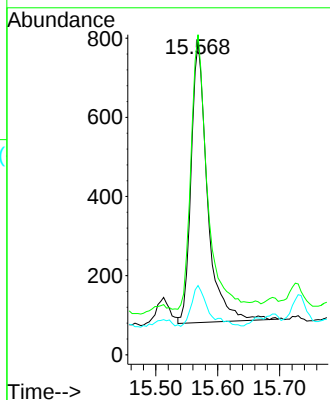
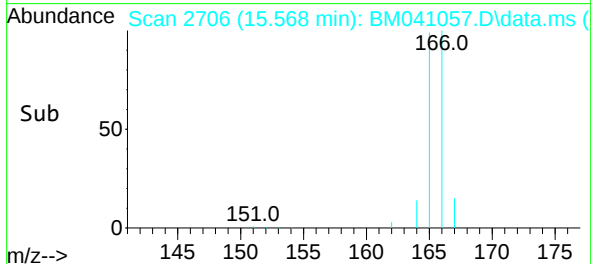
Instrument :
BNA_M
ClientSampleId :
A4730DL



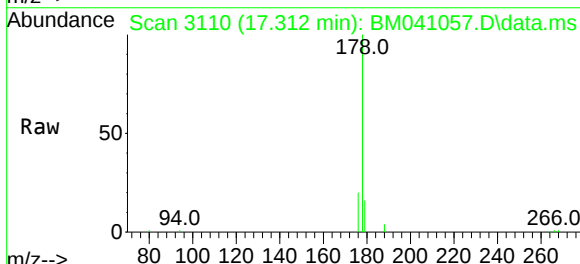
Tgt Ion:166 Resp: 130
Ion Ratio Lower Upper
166 100
165 102.4 80.3 120.5
167 22.2 11.7 17.5

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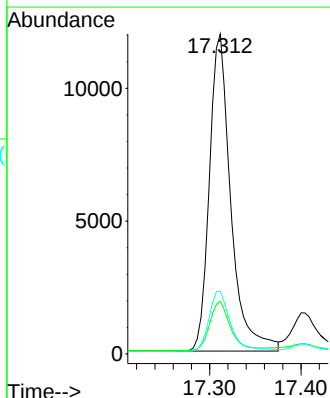
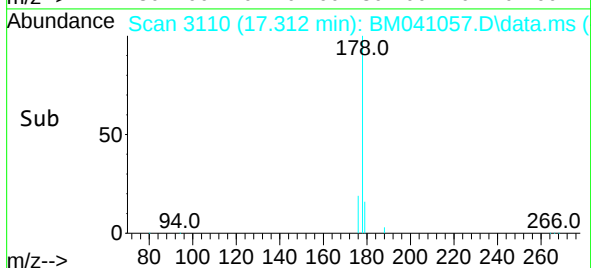
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

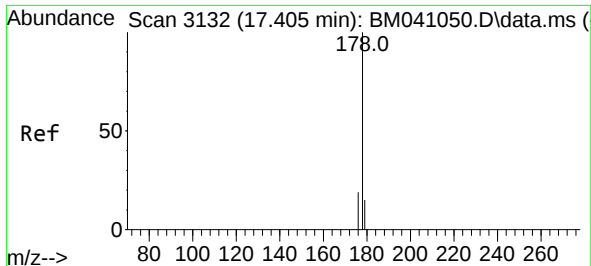


#15
Phenanthrene
Concen: 0.472 ng/ul
RT: 17.312 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57



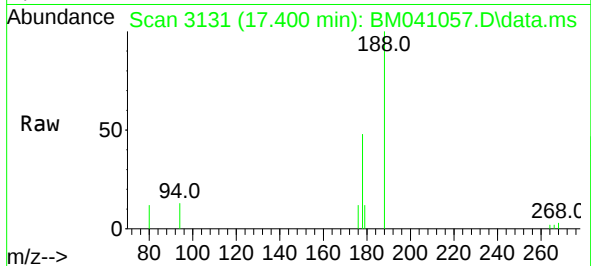
Tgt Ion:178 Resp: 19490
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.6
176 19.6 16.2 24.4





#16
 Anthracene
 Concen: 0.090 ng/u1
 RT: 17.400 min Scan# 3132
 Delta R.T. -0.008 min
 Lab File: BM041057.D
 Acq: 22 Jul 2023 16:57

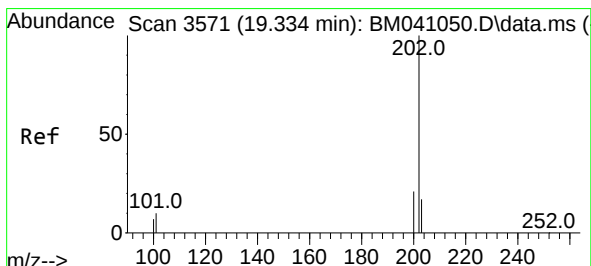
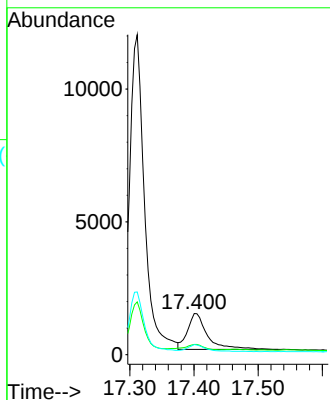
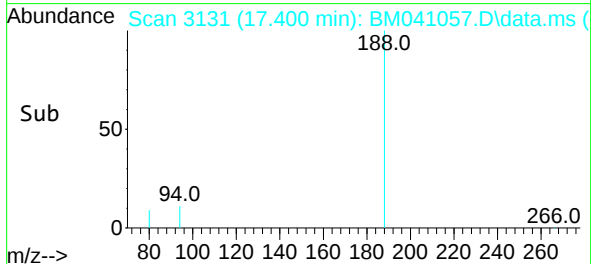
Instrument :
 BNA_M
 ClientSampleId :
 A4730DL



Tgt Ion:178 Resp: 2902
 Ion Ratio Lower Upper
 178 100
 179 24.9 13.7 20.5
 176 24.3 16.4 24.6

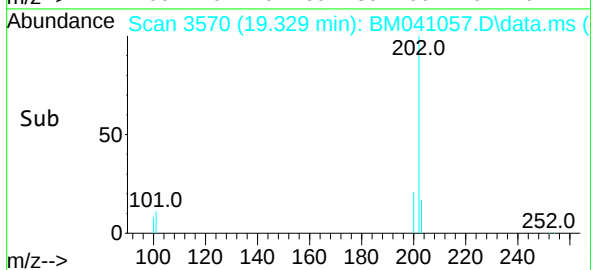
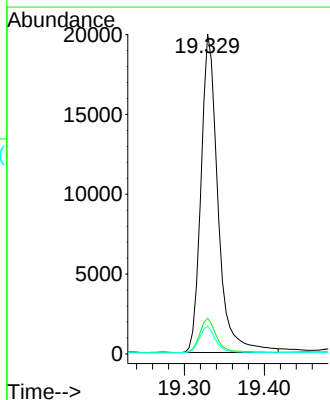
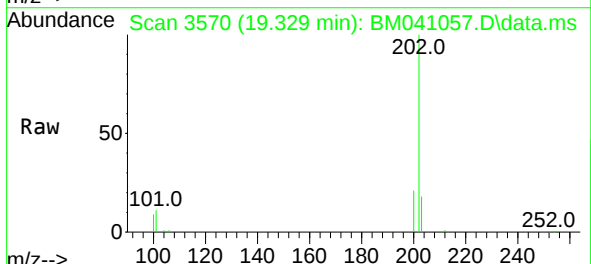
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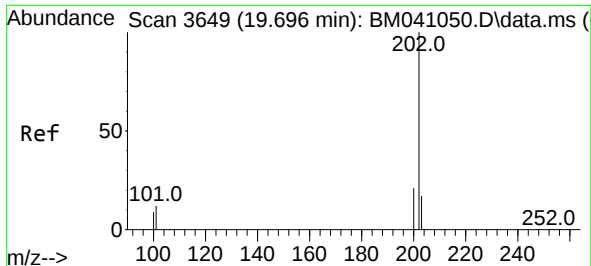
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#19
 Fluoranthene
 Concen: 0.470 ng/u1
 RT: 19.329 min Scan# 3570
 Delta R.T. -0.005 min
 Lab File: BM041057.D
 Acq: 22 Jul 2023 16:57

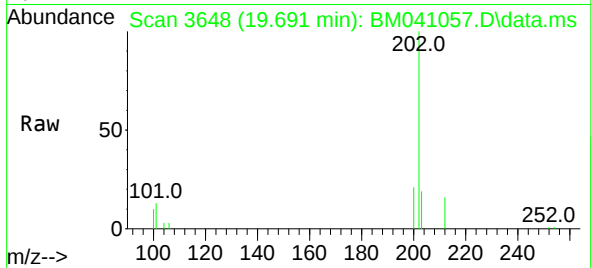
Tgt Ion:202 Resp: 29560
 Ion Ratio Lower Upper
 202 100
 101 11.2 11.0 16.4
 100 8.7 8.3 12.5





#20
Pyrene
Concen: 0.327 ng/ul
RT: 19.691 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57

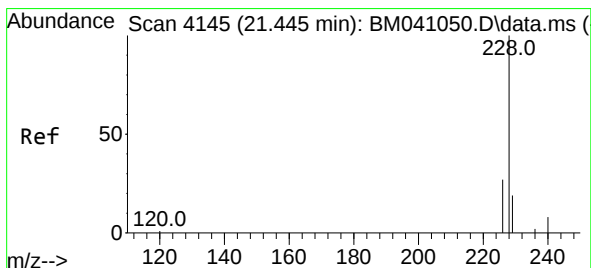
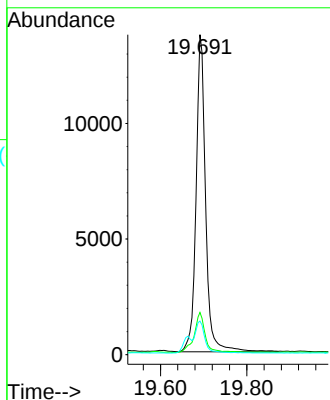
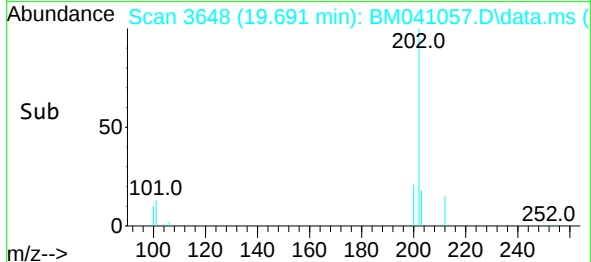
Instrument :
BNA_M
ClientSampleId :
A4730DL



Tgt Ion:202 Resp: 21039
Ion Ratio Lower Upper
202 100
101 13.2 12.5 18.7
100 10.5 10.0 15.0

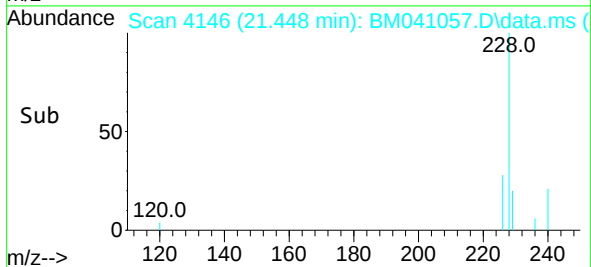
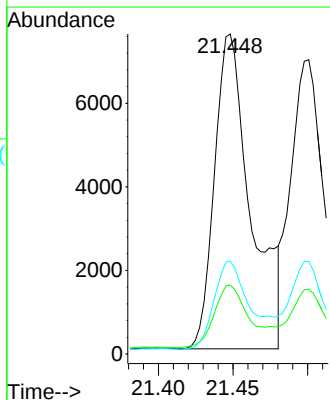
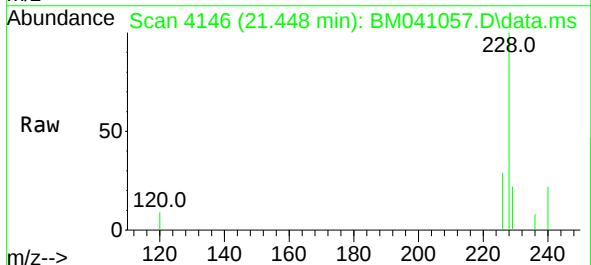
Manual Integrations
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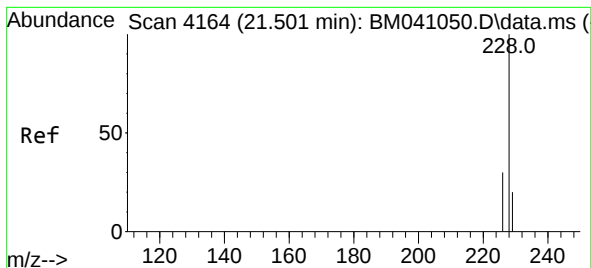
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Benzo(a)anthracene
Concen: 0.343 ng/ul
RT: 21.448 min Scan# 4146
Delta R.T. 0.000 min
Lab File: BM041057.D
Acq: 22 Jul 2023 16:57

Tgt Ion:228 Resp: 12730
Ion Ratio Lower Upper
228 100
229 21.5 16.2 24.4
226 29.0 22.3 33.5





#22

Chrysene

Concen: 0.254 ng/ul

RT: 21.501 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM041057.D

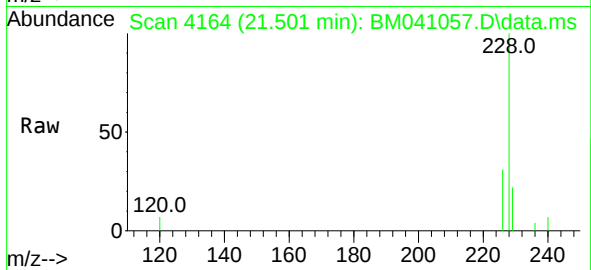
Acq: 22 Jul 2023 16:57

Instrument :

BNA_M

ClientSampleId :

A4730DL



Tgt Ion:228 Resp: 10764

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

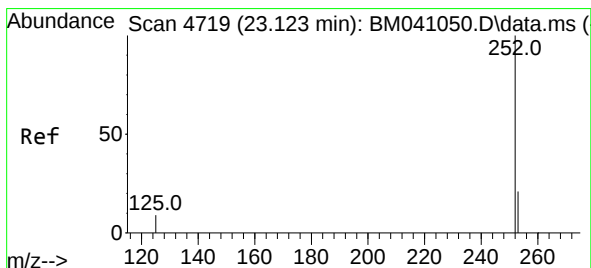
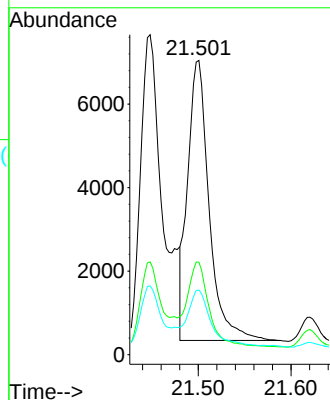
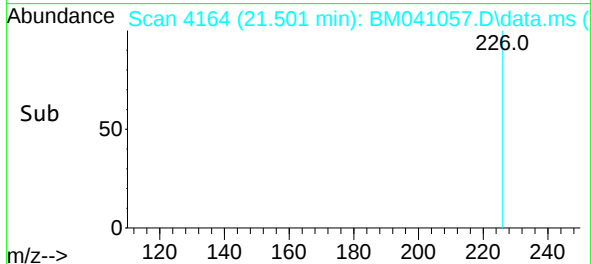
229 21.9 16.1 24.1

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#24

Benzo(b)fluoranthene

Concen: 0.320 ng/ul

RT: 23.129 min Scan# 4721

Delta R.T. 0.003 min

Lab File: BM041057.D

Acq: 22 Jul 2023 16:57

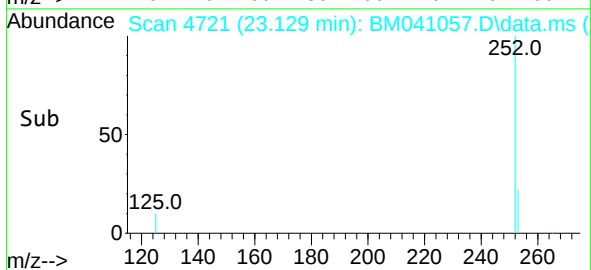
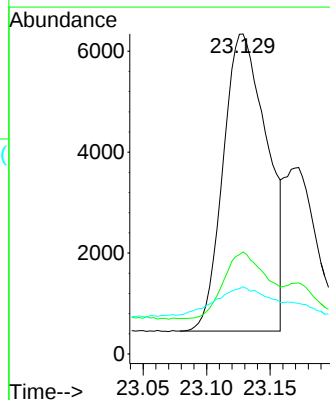
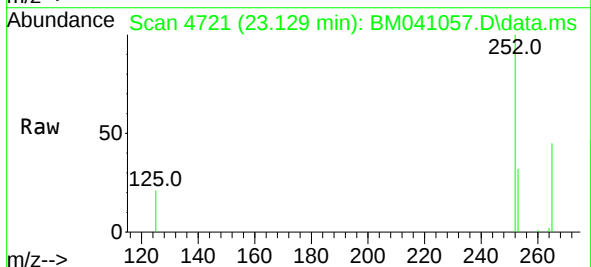
Tgt Ion:252 Resp: 14195

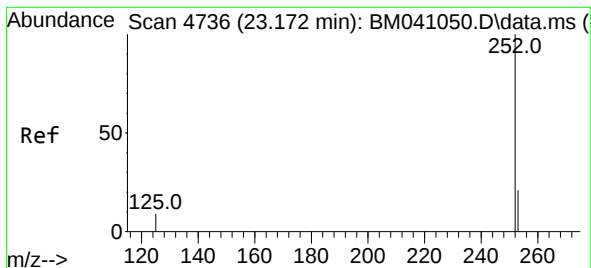
Ion Ratio Lower Upper

252 100

253 31.9 0.0 57.4

125 21.0 0.0 45.2





#25

Benzo(k)fluoranthene

Concen: 0.142 ng/ul m

RT: 23.172 min Scan# 4

Delta R.T. -0.000 min

Lab File: BM041057.D

Acq: 22 Jul 2023 16:57

Instrument :

BNM

ClientSampleId :

A4730DL

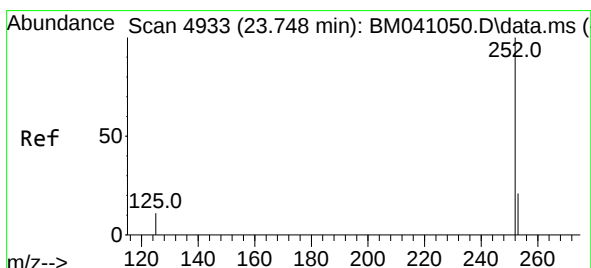
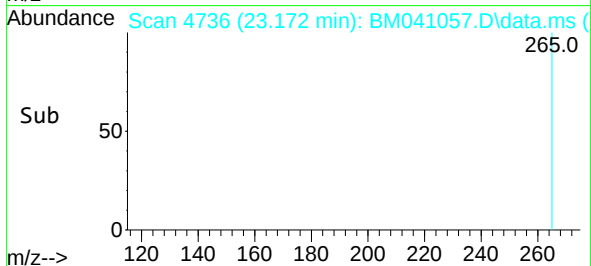
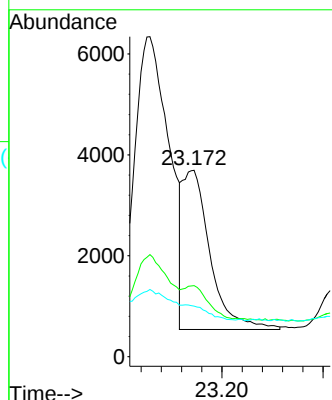
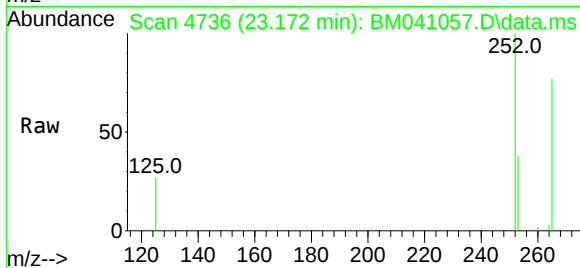
Tgt Ion:	252	Resp:	599
Ion Ratio	Lower	Upper	
252	100		
253	38.1	23.3	34.9
125	27.1	18.2	27.2

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#26

Benzo(a)pyrene

Concen: 0.131 ng/ul

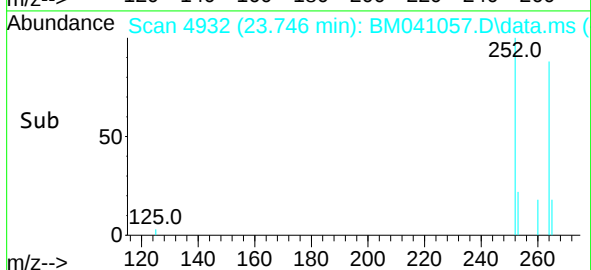
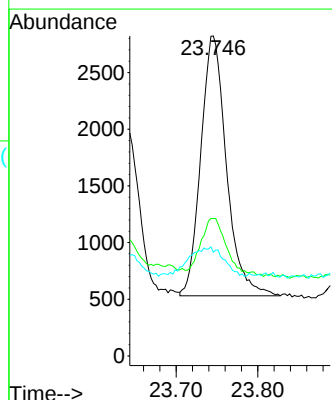
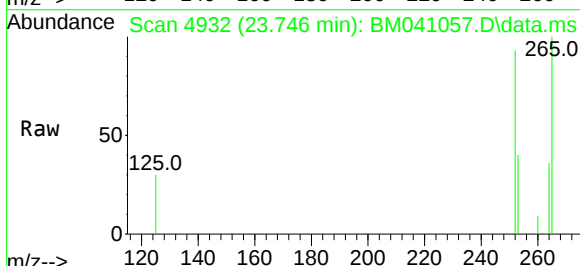
RT: 23.746 min Scan# 4932

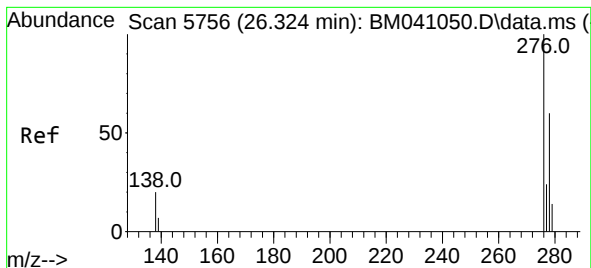
Delta R.T. -0.003 min

Lab File: BM041057.D

Acq: 22 Jul 2023 16:57

Tgt Ion:	252	Resp:	5013
Ion Ratio	Lower	Upper	
252	100		
253	43.0	28.2	42.2
125	32.4	25.2	37.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.099 ng/ul

RT: 26.324 min Scan# 5756

Delta R.T. -0.003 min

Lab File: BM041057.D

Acq: 22 Jul 2023 16:57

Instrument :

BNA_M

ClientSampleId :

A4730DL

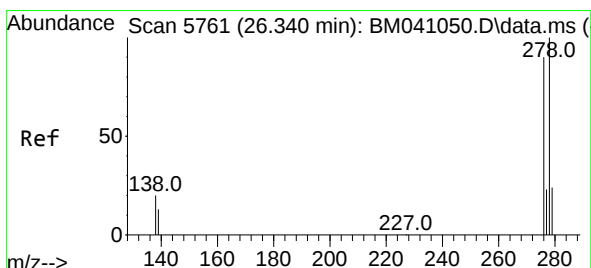
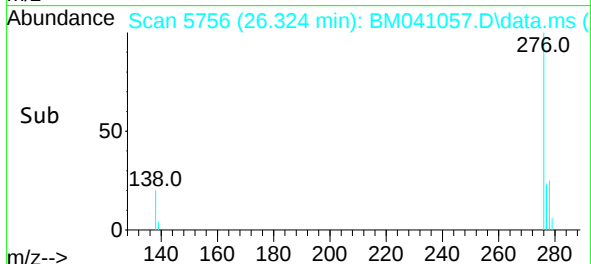
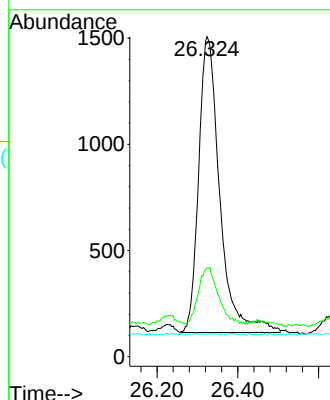
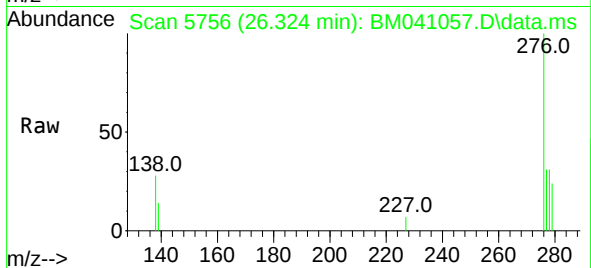
Tgt Ion:	276	Resp:	504
Ion Ratio	Lower	Upper	
276	100		
138	18.0	22.3	33.5
227	0.0	0.0	0.0

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.042 ng/ul

RT: 26.340 min Scan# 5761

Delta R.T. -0.007 min

Lab File: BM041057.D

Acq: 22 Jul 2023 16:57

Tgt Ion:	278	Resp:	1594
Ion Ratio	Lower	Upper	
278	100		
139	42.4	19.2	28.8
279	71.9	27.0	40.6

