

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
 Data File : BM039358.D
 Acq On : 07 Apr 2023 18:05
 Operator : CG/JU
 Sample : 02115-01DL 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB988DL

Manual Integrations
 APPROVED

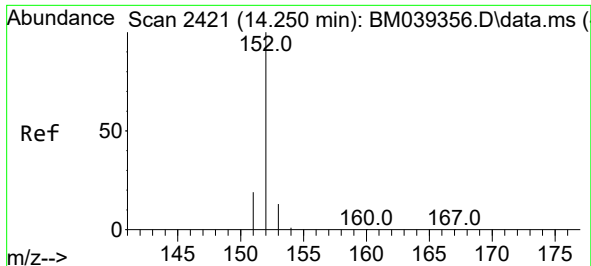
Reviewed By : Christian Giraldo 04/10/2023
 Supervised By : Jagrut Upadhyay 04/10/2023

Quant Time: Apr 07 23:14:10 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 23:05:01 2023
 Response via : Initial Calibration

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

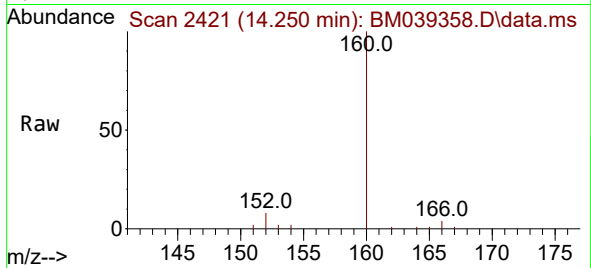
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	5691	0.400	ng/ul	0.00
4) Naphthalene-d8	10.686	136	21675	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.527	164	12597	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	23845	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	15384	0.400	ng/ul	# 0.00
23) Perylene-d12	23.854	264	13487	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	4838	0.459	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.291	152	1008	0.040	ng/ul	0.00
18) Fluoranthene-d10	19.306	212	2286	0.048	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	14.250	152	1404	0.029	ng/ul#	81
11) Acenaphthene	14.592	153	820	0.021	ng/ul	96
12) Fluorene	15.582	166	1046	0.027	ng/ul#	96
15) Phenanthrene	17.316	178	17136	0.259	ng/ul	99
16) Anthracene	17.409	178	3744	0.074	ng/ul#	89
19) Fluoranthene	19.338	202	35396	0.556	ng/ul	98
20) Pyrene	19.696	202	10908	0.149	ng/ul	95
21) Benzo(a)anthracene	21.448	228	13837	0.390	ng/ul	97
22) Chrysene	21.504	228	12134	0.279	ng/ul	96
24) Benzo(b)fluoranthene	23.126	252	15061	0.352	ng/ul	87
25) Benzo(k)fluoranthene	23.170	252	6420m	0.157	ng/ul	
26) Benzo(a)pyrene	23.746	252	1821	0.042	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.327	276	2154	0.040	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.344	278	1580	0.042	ng/ul#	7

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



#10
Acenaphthylene
Concen: 0.029 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05

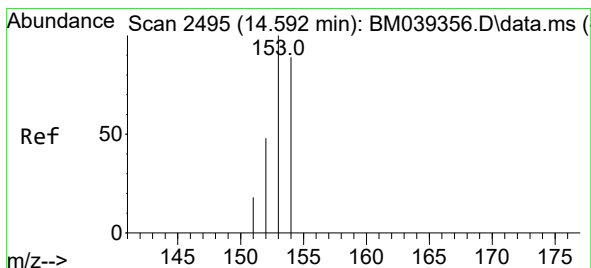
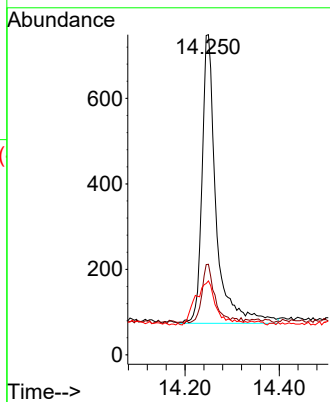
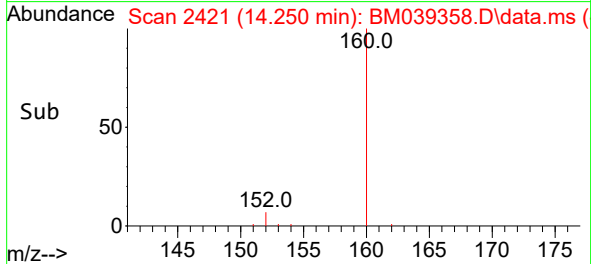
Instrument :
BNA_M
ClientSampleId :
CB988DL



Tgt Ion:152 Resp: 1404
Ion Ratio Lower Upper
152 100
151 28.3 16.2 24.4
153 23.1 11.6 17.4

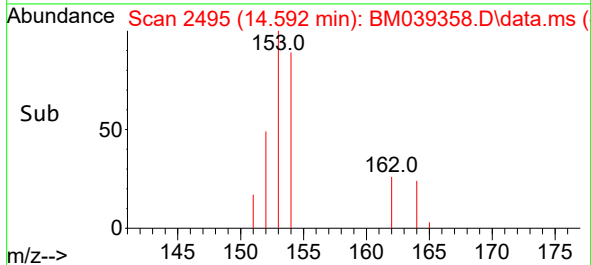
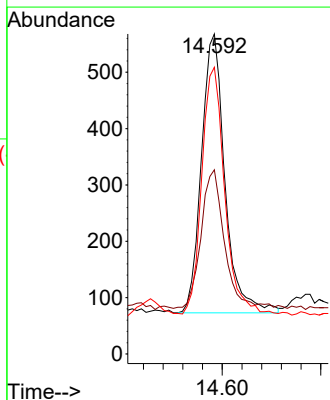
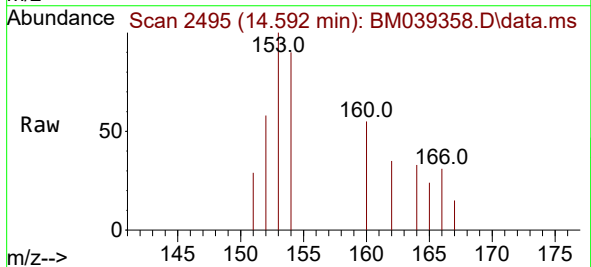
Manual Integrations
APPROVED

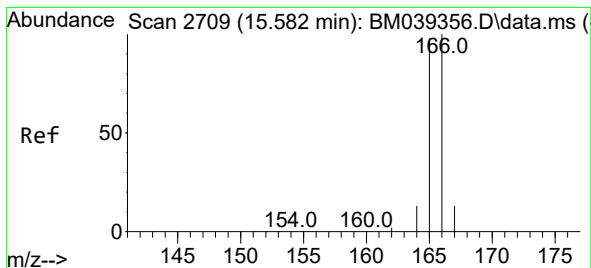
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#11
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.592 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05

Tgt Ion:153 Resp: 820
Ion Ratio Lower Upper
153 100
152 57.6 40.3 60.5
154 89.6 71.5 107.3





#12

Fluorene

Concen: 0.027 ng/ul

RT: 15.582 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039358.D

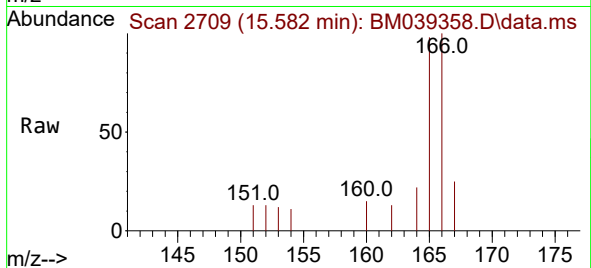
Acq: 07 Apr 2023 18:05

Instrument :

BNA_M

ClientSampleId :

CB988DL



Tgt Ion:166 Resp: 1040

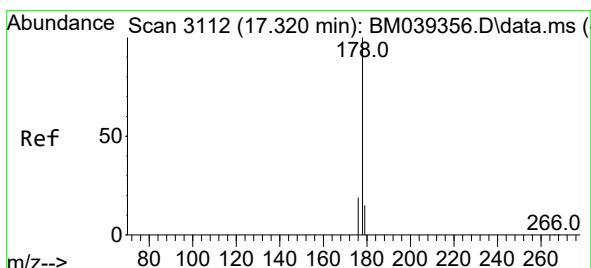
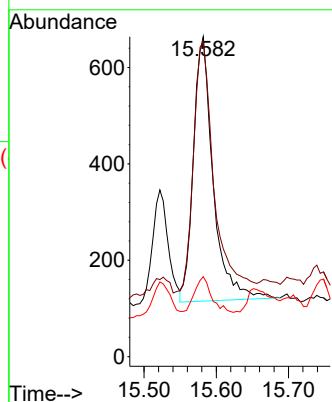
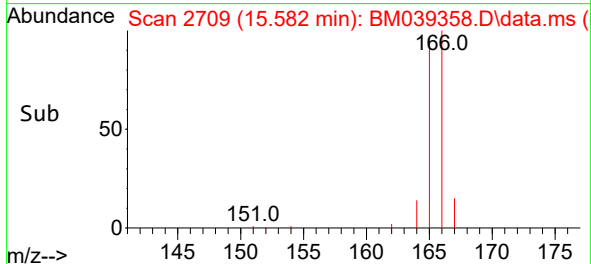
Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.8	116.8
167	25.0	11.8	17.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/10/2023

Supervised By :Jagrut Upadhyay 04/10/2023



#15

Phenanthrene

Concen: 0.259 ng/ul

RT: 17.316 min Scan# 3111

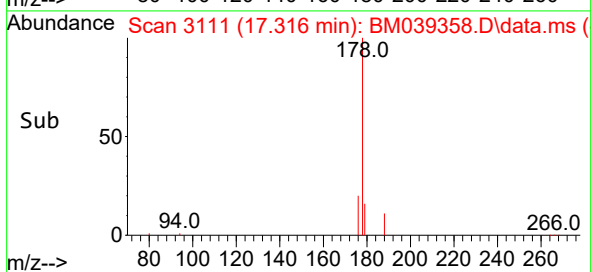
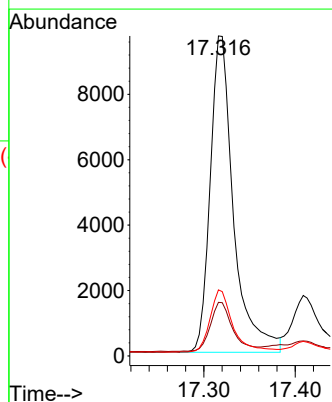
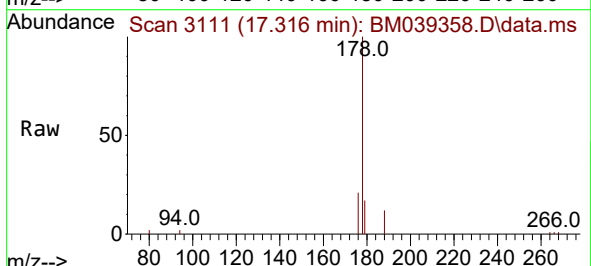
Delta R.T. -0.004 min

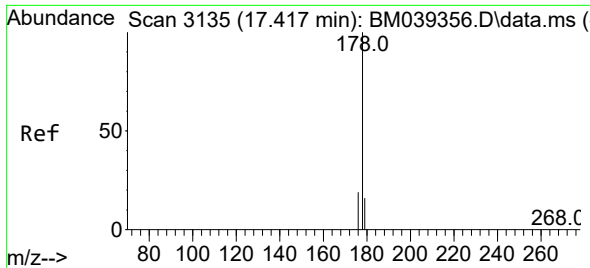
Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

Tgt Ion:178 Resp: 17136

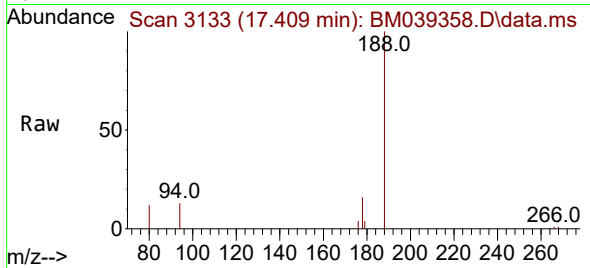
Ion	Ratio	Lower	Upper
178	100		
179	16.8	13.4	20.2
176	20.7	15.8	23.6





#16
 Anthracene
 Concen: 0.074 ng/ul
 RT: 17.409 min Scan# 3133
 Delta R.T. -0.009 min
 Lab File: BM039358.D
 Acq: 07 Apr 2023 18:05

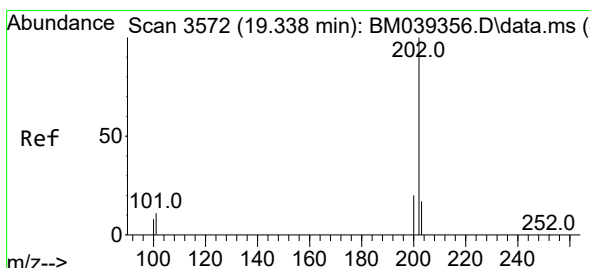
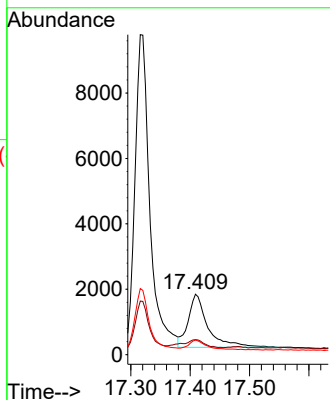
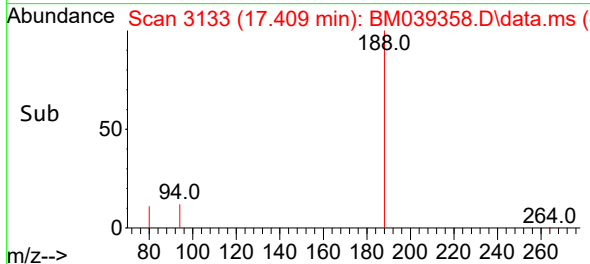
Instrument :
 BNA_M
 ClientSampleId :
 CB988DL



Tgt Ion:178 Resp: 3744
 Ion Ratio Lower Upper
 178 100
 179 25.0 14.6 21.8
 176 24.2 16.6 24.8

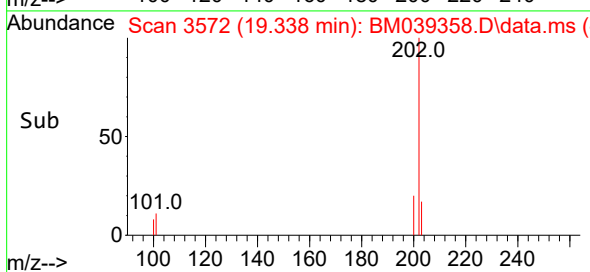
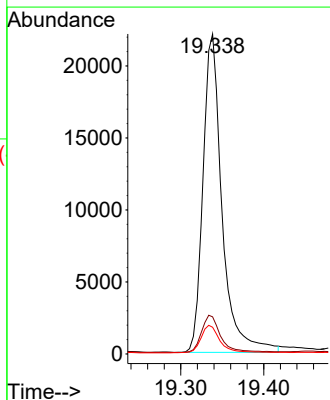
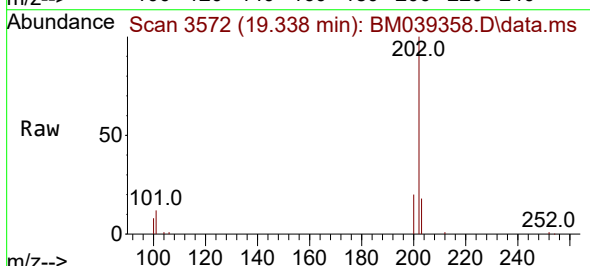
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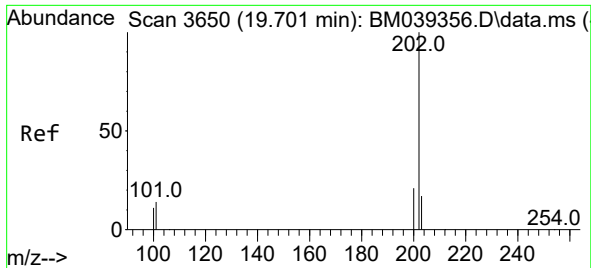
Reviewed By :Christian Giraldo 04/10/2023
 Supervised By :Jagrut Upadhyay 04/10/2023



#19
 Fluoranthene
 Concen: 0.556 ng/ul
 RT: 19.338 min Scan# 3572
 Delta R.T. -0.000 min
 Lab File: BM039358.D
 Acq: 07 Apr 2023 18:05

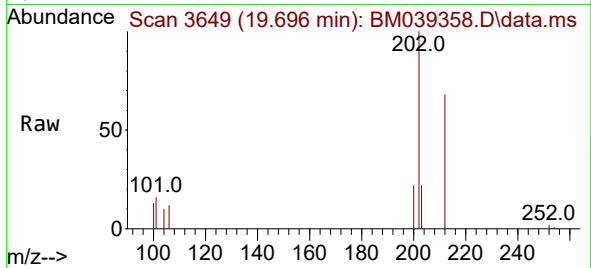
Tgt Ion:202 Resp: 35396
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.7 14.5
 100 8.4 7.4 11.0





#20
Pyrene
Concen: 0.149 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05

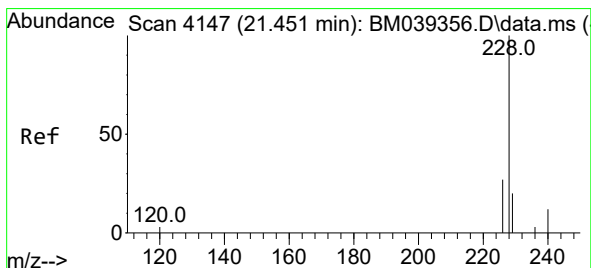
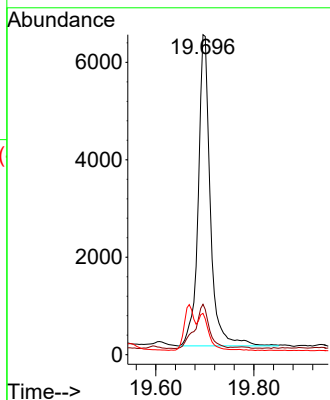
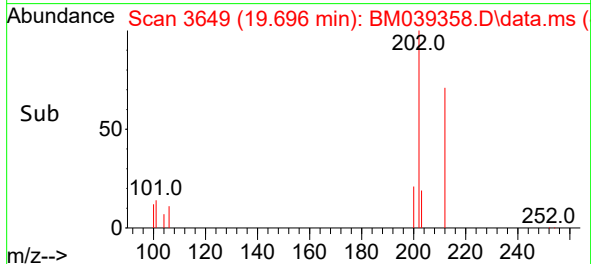
Instrument :
BNA_M
ClientSampleId :
CB988DL



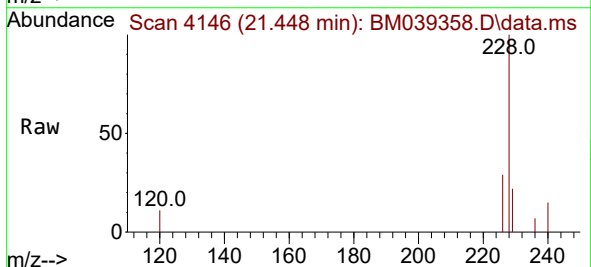
Tgt Ion:202 Resp: 10908
Ion Ratio Lower Upper
202 100
101 15.8 11.1 16.7
100 12.9 8.8 13.2

Manual Integrations
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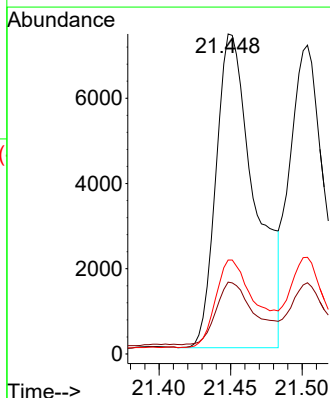
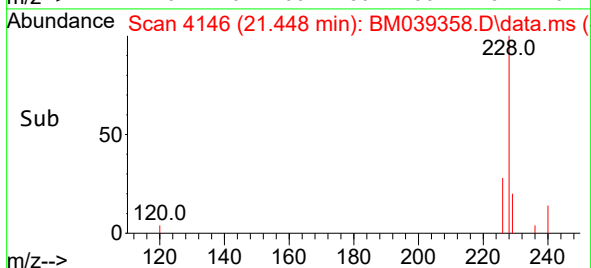
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

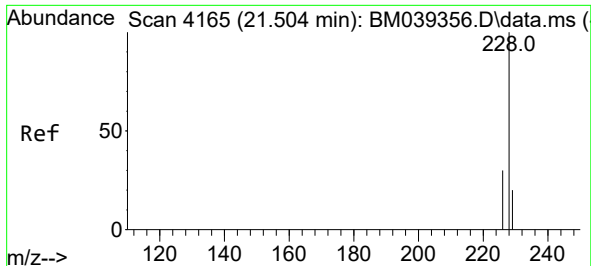


#21
Benzo(a)anthracene
Concen: 0.390 ng/ul
RT: 21.448 min Scan# 4146
Delta R.T. -0.003 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05



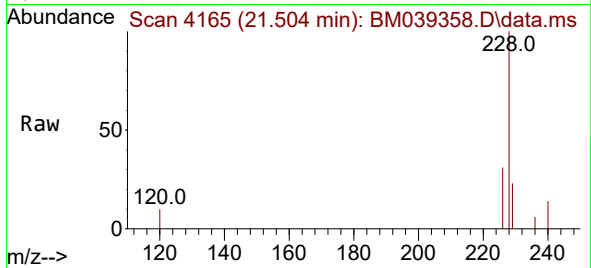
Tgt Ion:228 Resp: 13837
Ion Ratio Lower Upper
228 100
229 22.4 16.6 24.8
226 29.4 22.6 34.0





#22
Chrysene
Concen: 0.279 ng/ul
RT: 21.504 min Scan# 4165
Delta R.T. -0.000 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05

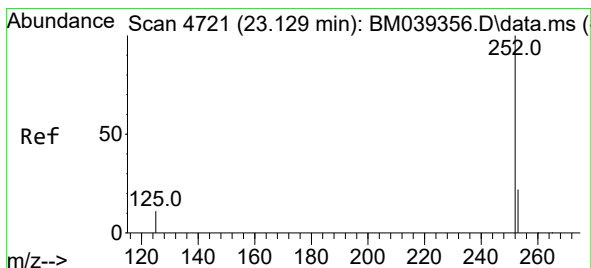
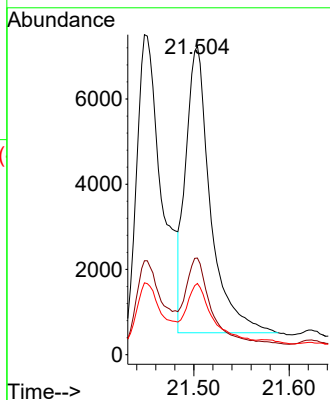
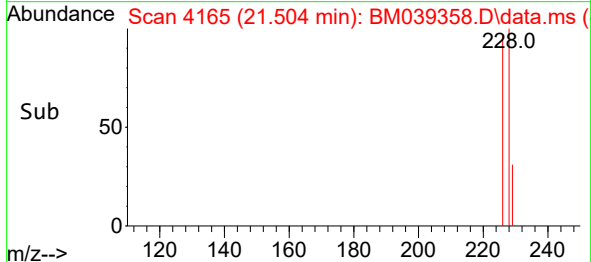
Instrument :
BNA_M
ClientSampleId :
CB988DL



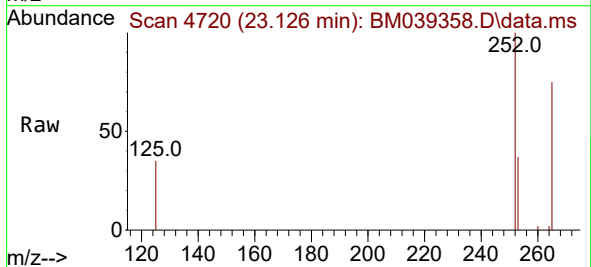
Tgt Ion:228 Resp: 12134
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 23.1 16.2 24.4

Manual Integrations
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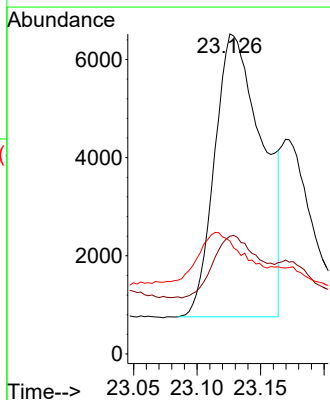
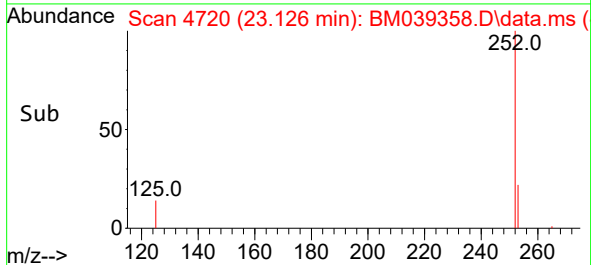
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

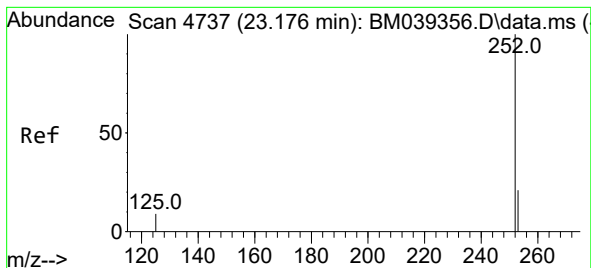


#24
Benzo(b)fluoranthene
Concen: 0.352 ng/ul
RT: 23.126 min Scan# 4720
Delta R.T. -0.003 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05



Tgt Ion:252 Resp: 15061
Ion Ratio Lower Upper
252 100
253 36.8 0.0 64.4
125 35.3 0.0 50.4





#25

Benzo(k)fluoranthene

Concen: 0.157 ng/ul m

RT: 23.170 min Scan# 4

Delta R.T. -0.006 min

Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

Instrument :

BNA_M

ClientSampleId :

CB988DL

Tgt Ion:252 Resp: 6420

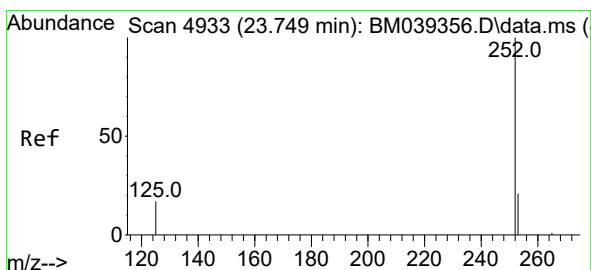
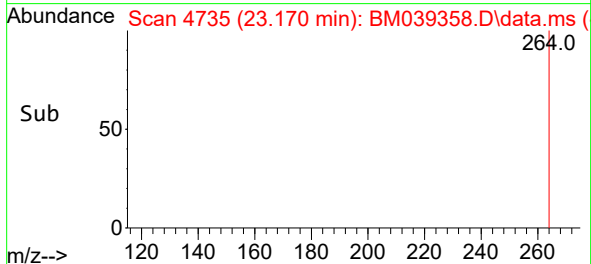
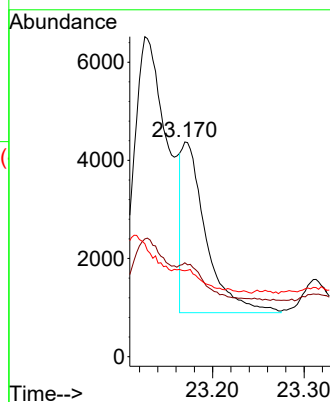
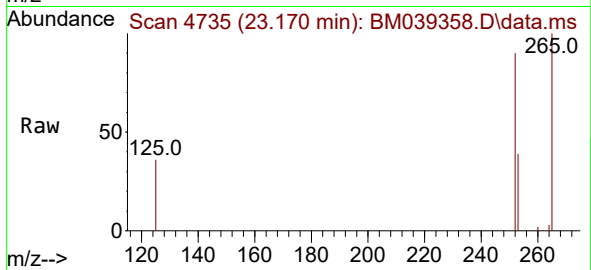
Ion	Ratio	Lower	Upper
252	100		
253	43.7	25.5	38.3
125	40.1	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/10/2023

Supervised By :Jagrut Upadhyay 04/10/2023



#26

Benzo(a)pyrene

Concen: 0.042 ng/ul

RT: 23.746 min Scan# 4932

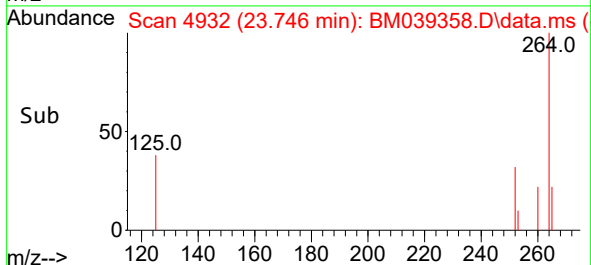
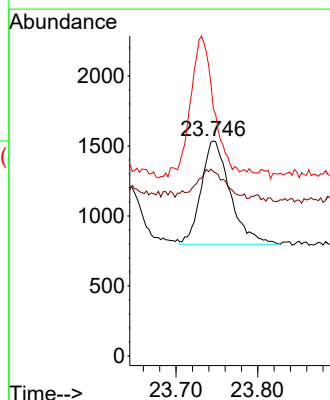
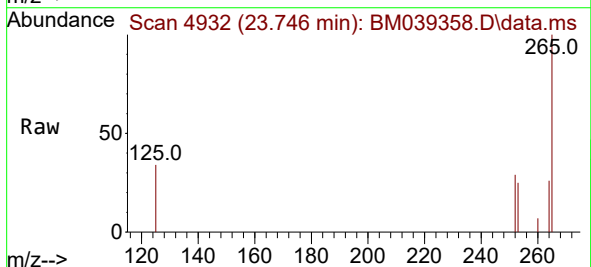
Delta R.T. -0.003 min

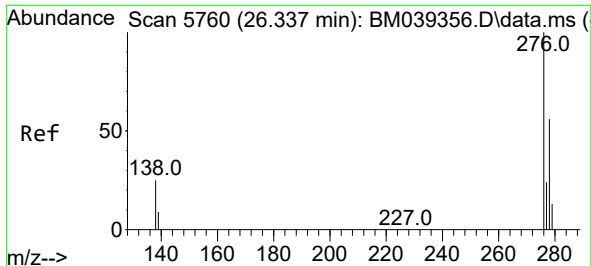
Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

Tgt Ion:252 Resp: 1821

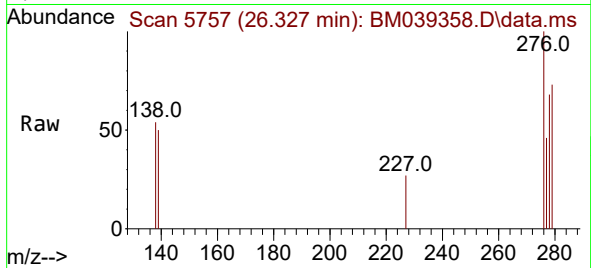
Ion	Ratio	Lower	Upper
252	100		
253	85.8	31.0	46.4
125	115.0	28.2	42.4





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.040 ng/ul
RT: 26.327 min Scan# 5757
Delta R.T. -0.010 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05

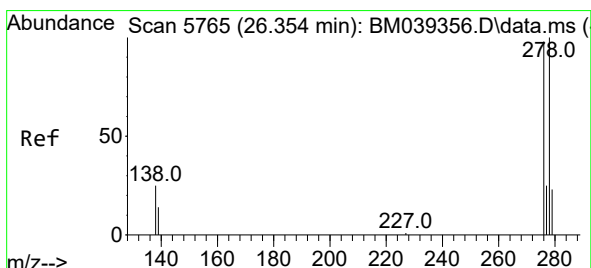
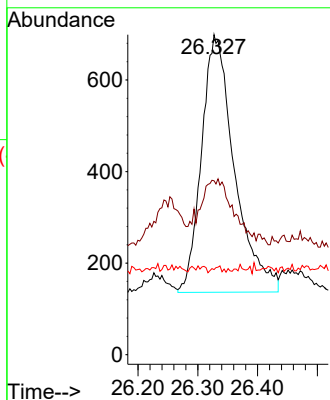
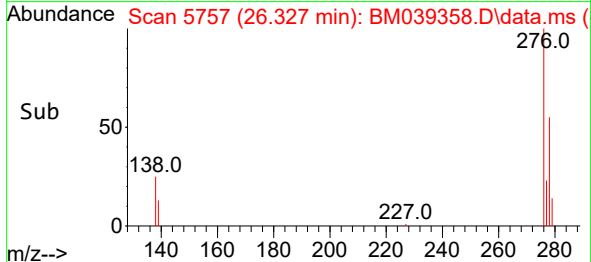
Instrument :
BNA_M
ClientSampleId :
CB988DL



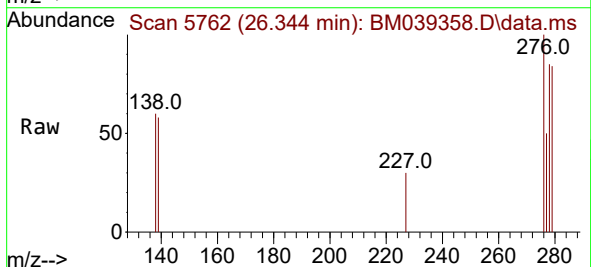
Tgt Ion:276 Resp: 2154
Ion Ratio Lower Upper
276 100
138 23.5 21.4 32.0
227 0.6 0.1 0.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#28
Dibenzo(a,h)anthracene
Concen: 0.042 ng/ul
RT: 26.344 min Scan# 5762
Delta R.T. -0.010 min
Lab File: BM039358.D
Acq: 07 Apr 2023 18:05



Tgt Ion:278 Resp: 1580
Ion Ratio Lower Upper
278 100
139 68.4 21.8 32.6#
279 99.0 30.0 45.0#

