

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039849.D
 Acq On : 05 May 2023 17:32
 Operator : CG/JU
 Sample : 02479-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW952

Manual Integrations
 APPROVED

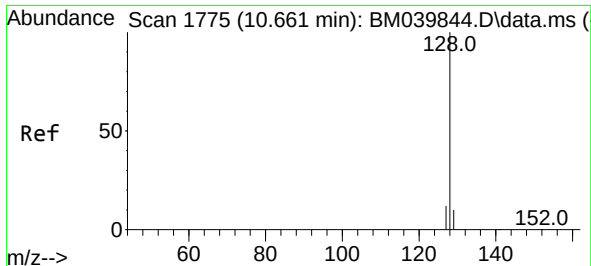
Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 02:48:03 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 06 02:22:07 2023
 Response via : Initial Calibration

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

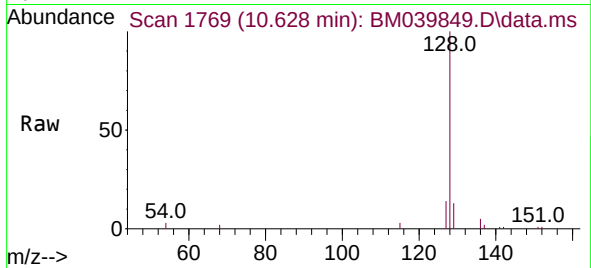
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	2153m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.579	136	8297	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.432	164	5017m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.187	188	11203	0.400	ng/ul	-0.03
17) Chrysene-d12	21.388	240	8437	0.400	ng/ul	#-0.02
23) Perylene-d12	23.732	264	8619	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.172	96	6650	2.096	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2138	0.201	ng/ul	-0.03
18) Fluoranthene-d10	19.225	212	5534	0.244	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.628	128	10669	0.512	ng/ul	99
7) 2-Methylnaphthalene	12.267	142	3268	0.272	ng/ul	97
8) 1-Methylnaphthalene	12.476	142	2352	0.182	ng/ul	100
10) Acenaphthylene	14.155	152	3881	0.200	ng/ul#	91
11) Acenaphthene	14.497	153	14296	0.937	ng/ul	98
12) Fluorene	15.492	166	13092	0.774	ng/ul	98
15) Phenanthrene	17.229	178	303296	10.276	ng/ul	98
16) Anthracene	17.322	178	62739	2.476	ng/ul	99
19) Fluoranthene	19.253	202	705643	23.443	ng/ul	99
20) Pyrene	19.620	202	597607	18.385	ng/ul	98
21) Benzo(a)anthracene	21.370	228	337258	13.903	ng/ul	99
22) Chrysene	21.423	228	313885	11.434	ng/ul	98
24) Benzo(b)fluoranthene	23.018	252	405726	13.404	ng/ul	92
25) Benzo(k)fluoranthene	23.059	252	137785m	4.471	ng/ul	
26) Benzo(a)pyrene	23.627	252	275358	10.132	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.154	276	162922	4.741	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.157	278	39368	1.476	ng/ul	97
29) Benzo(g,h,i)perylene	26.905	276	134692	4.498	ng/ul	98

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



#5
Naphthalene
Concen: 0.512 ng/ul
RT: 10.628 min Scan# 1769
Delta R.T. -0.033 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

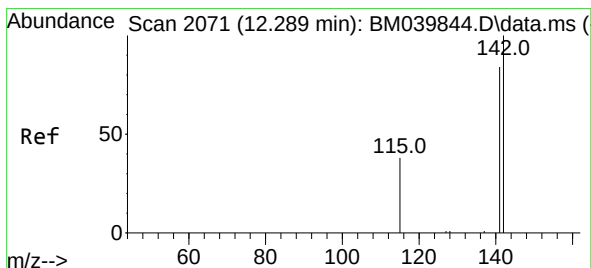
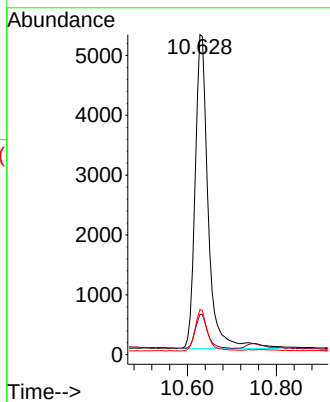
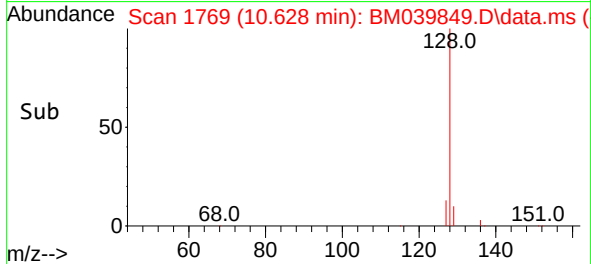
Instrument :
BNA_M
ClientSampleId :
EW952



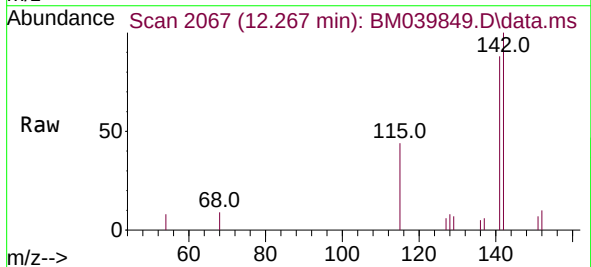
Tgt Ion:128 Resp: 10669
Ion Ratio Lower Upper
128 100
129 12.7 9.8 14.6
127 14.1 11.1 16.7

Manual Integrations
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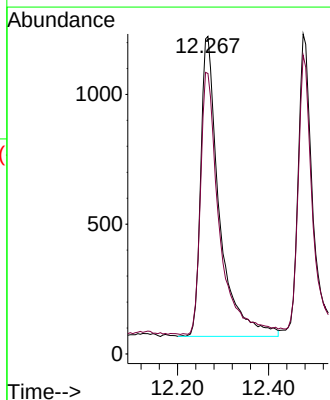
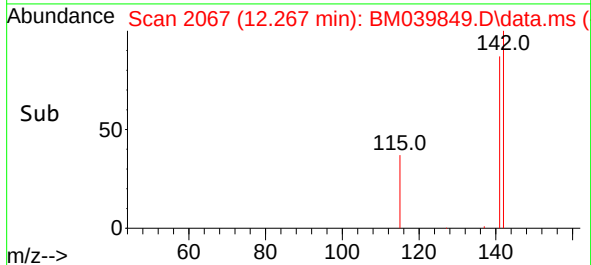
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

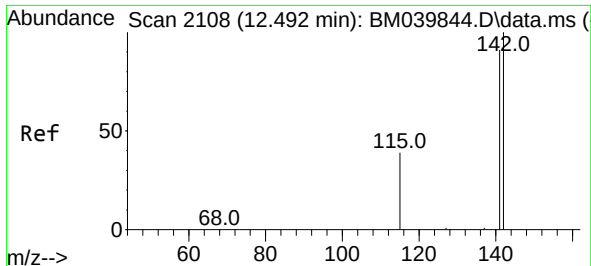


#7
2-Methylnaphthalene
Concen: 0.272 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.022 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32



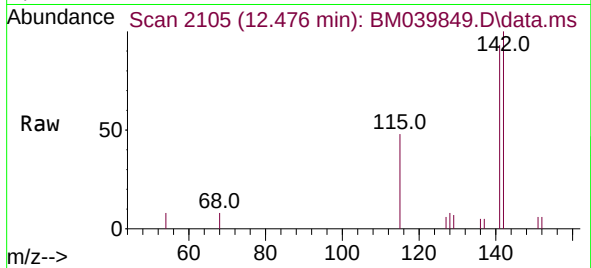
Tgt Ion:142 Resp: 3268
Ion Ratio Lower Upper
142 100
141 88.7 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.182 ng/ul
RT: 12.476 min Scan# 2108
Delta R.T. -0.016 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

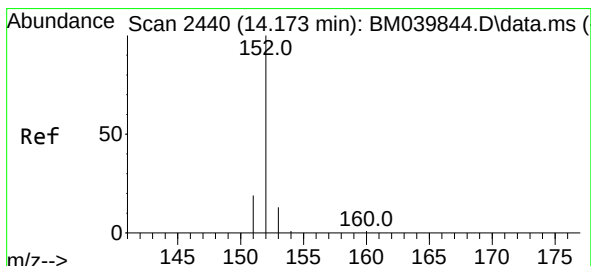
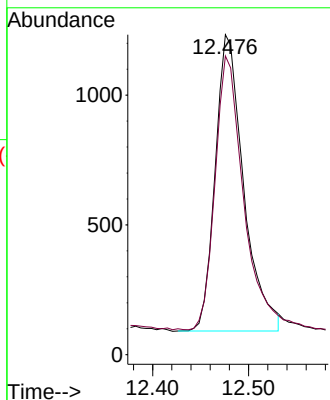
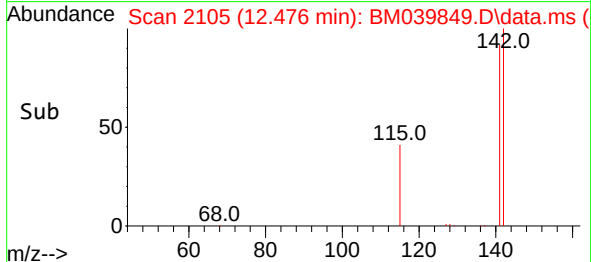
Instrument :
BNA_M
ClientSampleId :
EW952



Tgt Ion:142 Resp: 2352
Ion Ratio Lower Upper
142 100
141 91.7 73.4 110.2

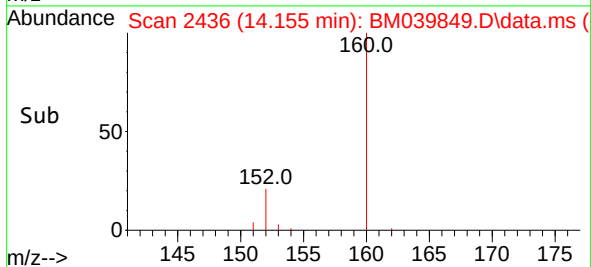
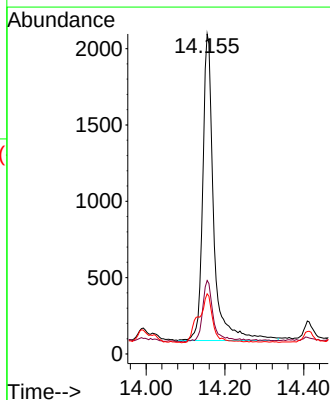
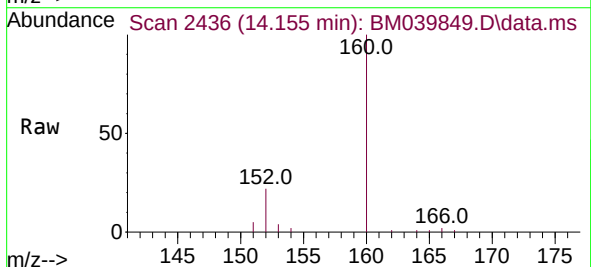
Manual Integrations
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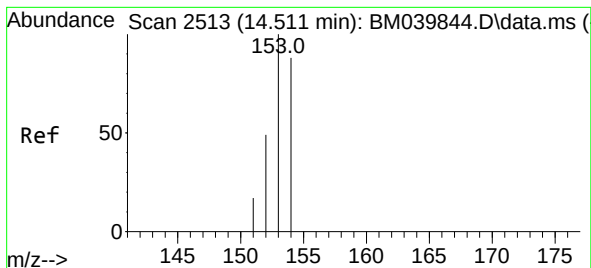
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#10
Acenaphthylene
Concen: 0.200 ng/ul
RT: 14.155 min Scan# 2436
Delta R.T. -0.018 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

Tgt Ion:152 Resp: 3881
Ion Ratio Lower Upper
152 100
151 22.9 16.0 24.0
153 18.8 11.2 16.8#





#11

Acenaphthene

Concen: 0.937 ng/ul

RT: 14.497 min Scan# 21

Delta R.T. -0.014 min

Lab File: BM039849.D

Acq: 05 May 2023 17:32

Instrument :

BNA_M

ClientSampleId :

EW952

Tgt Ion:153 Resp: 14290

Ion Ratio Lower Upper

153 100

152 48.6 40.6 61.0

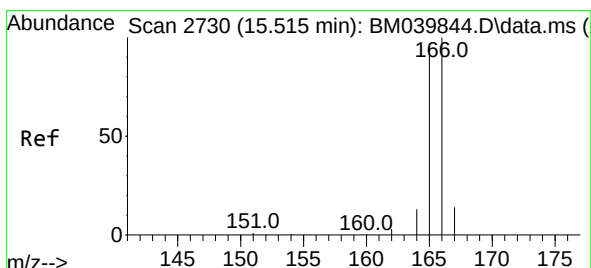
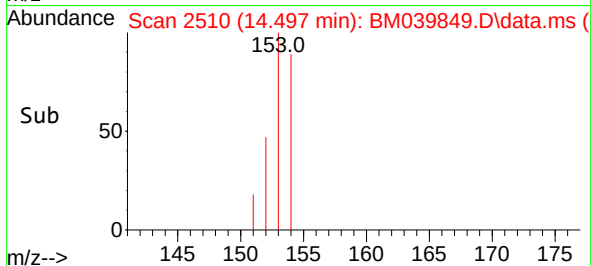
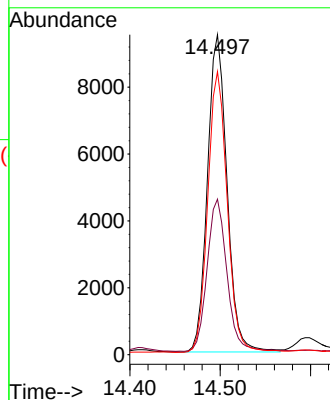
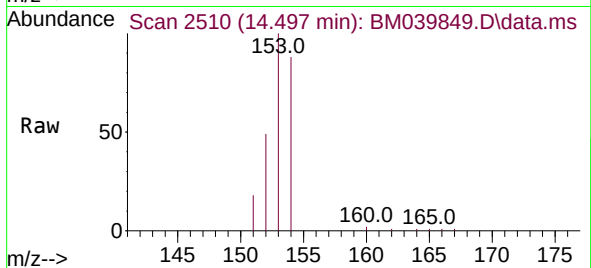
154 88.5 71.9 107.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#12

Fluorene

Concen: 0.774 ng/ul

RT: 15.492 min Scan# 2725

Delta R.T. -0.023 min

Lab File: BM039849.D

Acq: 05 May 2023 17:32

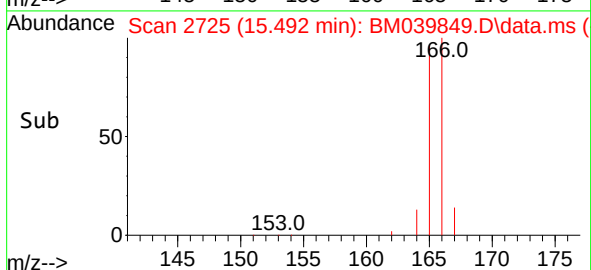
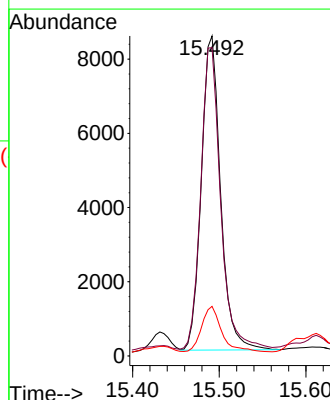
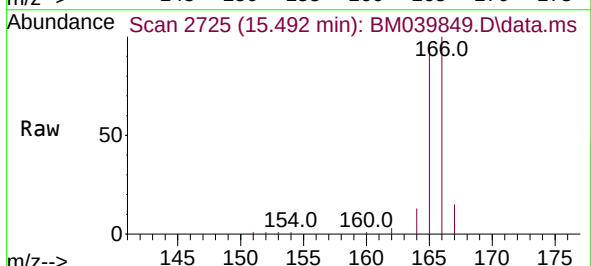
Tgt Ion:166 Resp: 13092

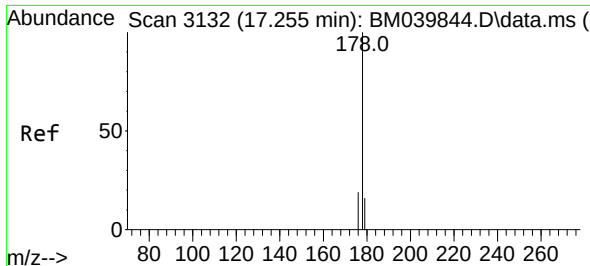
Ion Ratio Lower Upper

166 100

165 96.4 79.0 118.6

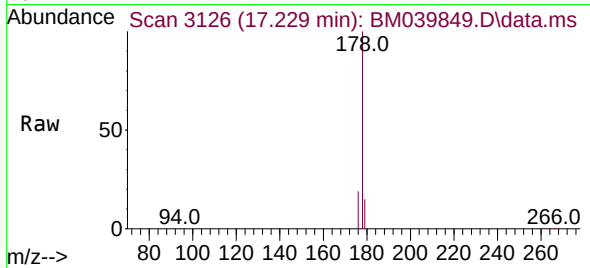
167 15.5 11.8 17.6





#15
Phenanthrene
Concen: 10.276 ng/ul
RT: 17.229 min Scan# 3126
Delta R.T. -0.025 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

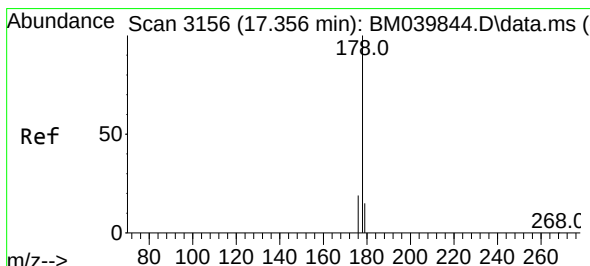
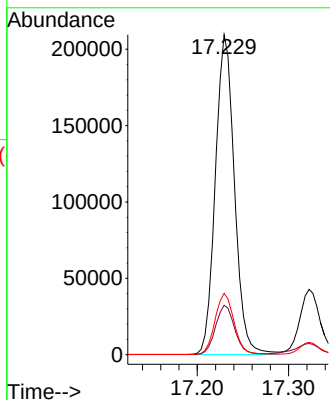
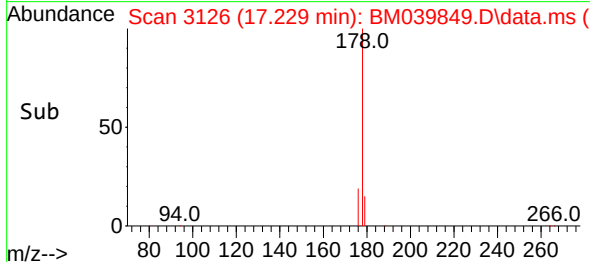
Instrument :
BNA_M
ClientSampleId :
EW952



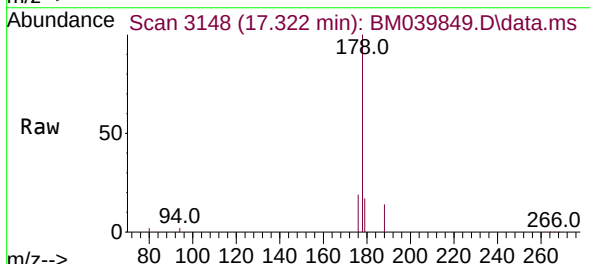
Tgt Ion:178 Resp: 303290
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.6
176 19.2 15.8 23.8

Manual Integrations
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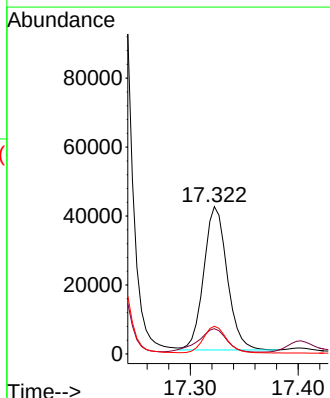
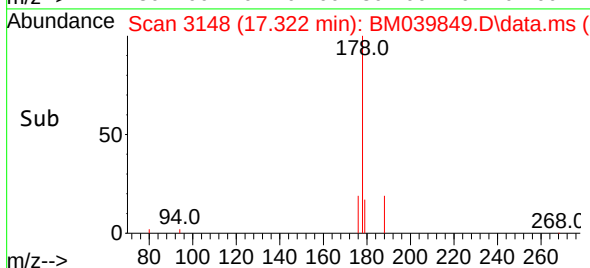
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

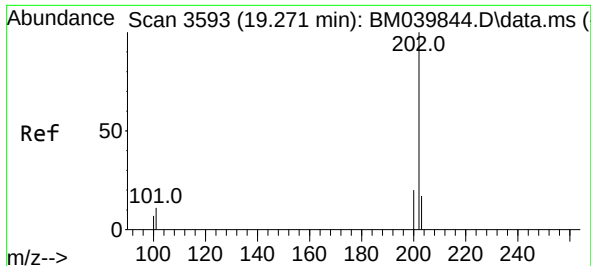


#16
Anthracene
Concen: 2.476 ng/ul
RT: 17.322 min Scan# 3148
Delta R.T. -0.034 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32



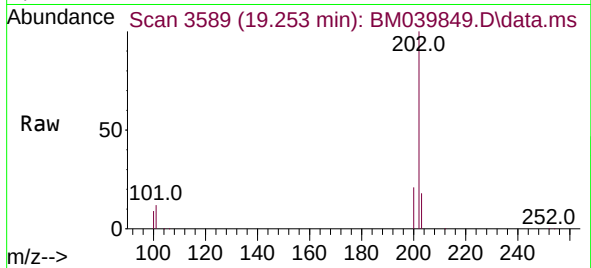
Tgt Ion:178 Resp: 62739
Ion Ratio Lower Upper
178 100
179 17.2 13.8 20.6
176 18.8 15.8 23.8





#19
Fluoranthene
Concen: 23.443 ng/u1
RT: 19.253 min Scan# 3589
Delta R.T. -0.018 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

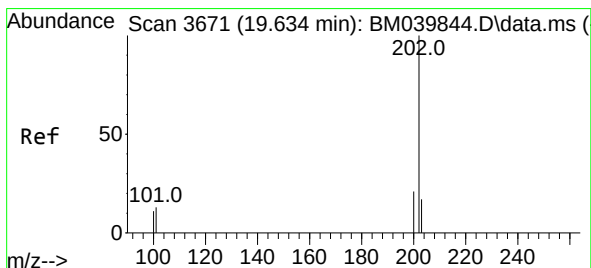
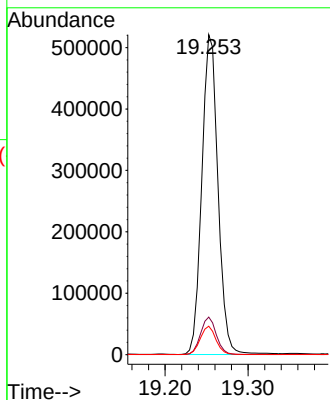
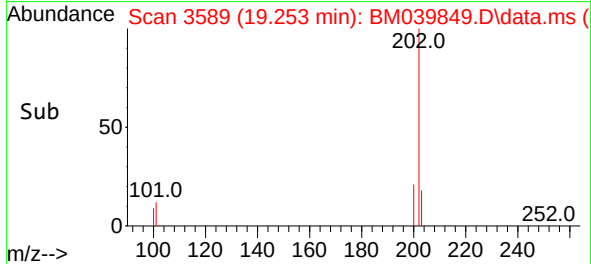
Instrument :
BNA_M
ClientSampleId :
EW952



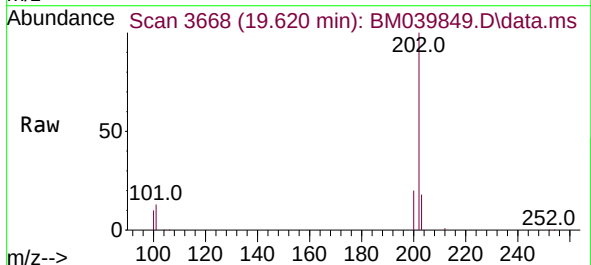
Tgt Ion:202 Resp: 70564
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.8
100 8.9 7.3 10.9

Manual Integrations
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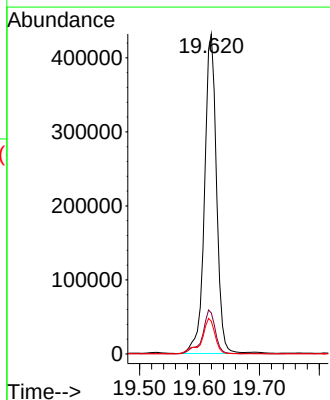
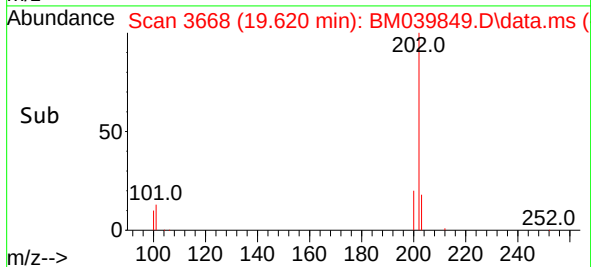
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

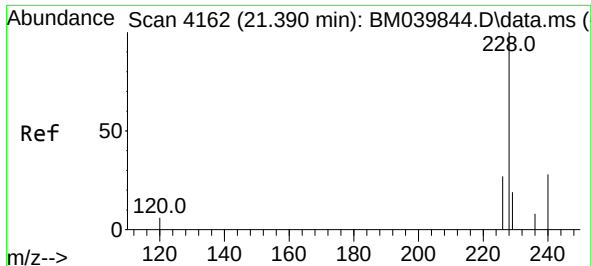


#20
Pyrene
Concen: 18.385 ng/u1
RT: 19.620 min Scan# 3668
Delta R.T. -0.014 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32



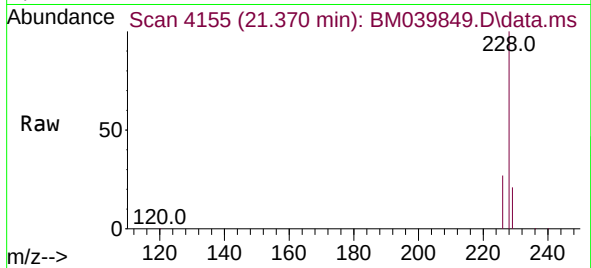
Tgt Ion:202 Resp: 597607
Ion Ratio Lower Upper
202 100
101 12.8 10.9 16.3
100 10.2 8.9 13.3





#21
Benzo(a)anthracene
Concen: 13.903 ng/ul
RT: 21.370 min Scan# 4162
Delta R.T. -0.020 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

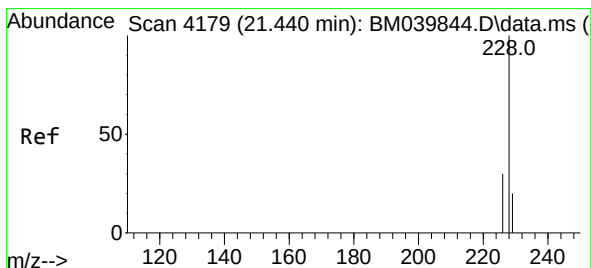
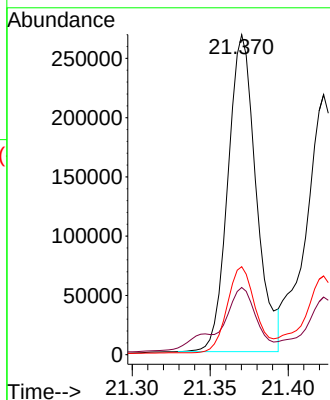
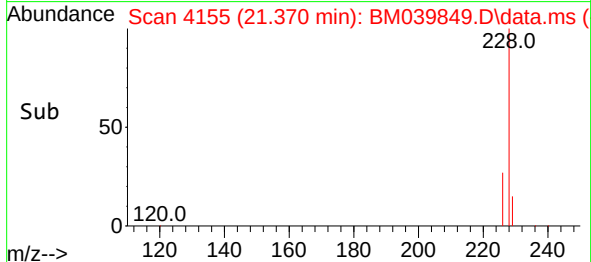
Instrument :
BNA_M
ClientSampleId :
EW952



Tgt Ion:228 Resp: 337258
Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.2
226 27.5 21.6 32.4

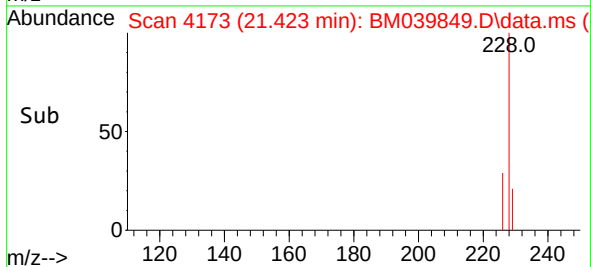
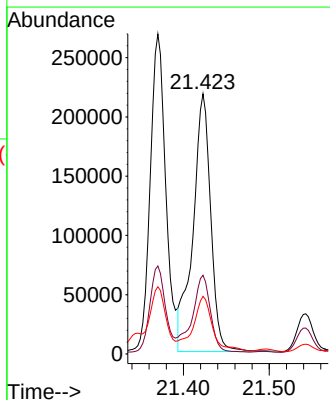
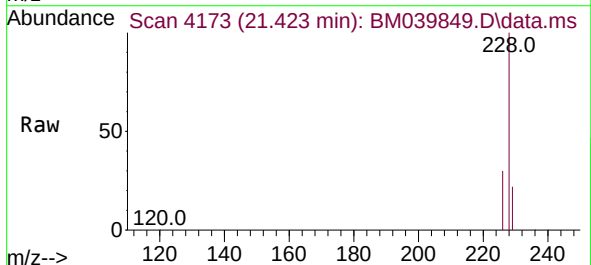
Manual Integrations
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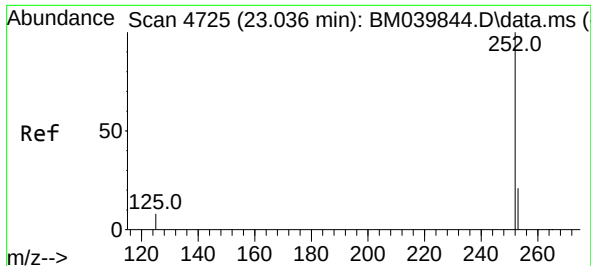
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#22
Chrysene
Concen: 11.434 ng/ul
RT: 21.423 min Scan# 4173
Delta R.T. -0.017 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

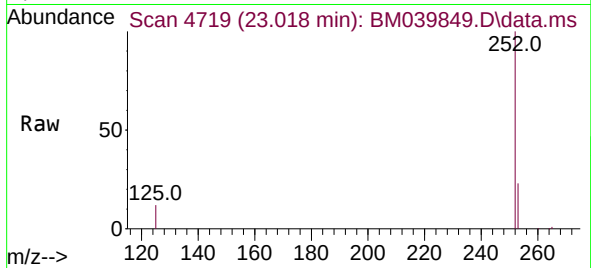
Tgt Ion:228 Resp: 313885
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.1 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 13.404 ng/ul
RT: 23.018 min Scan# 4719
Delta R.T. -0.017 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

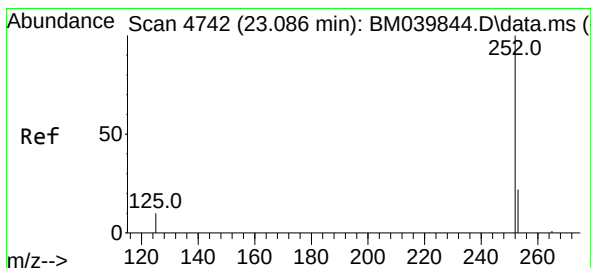
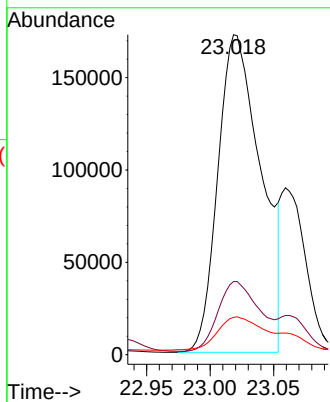
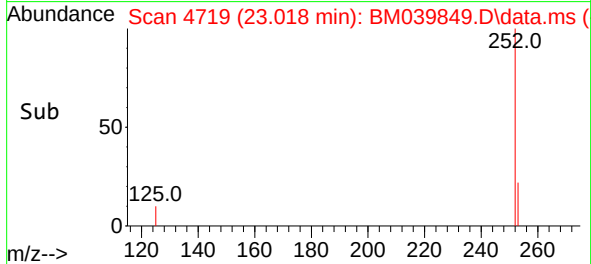
Instrument :
BNA_M
ClientSampleId :
EW952



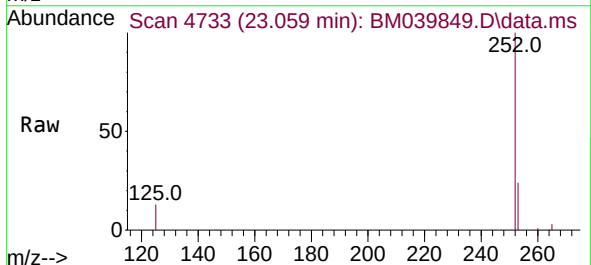
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Ion Ratio Lower Upper
252 100
253 22.9 0.0 52.8
125 11.7 0.0 31.6

Manual Integrations
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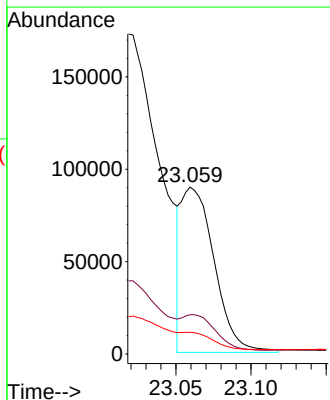
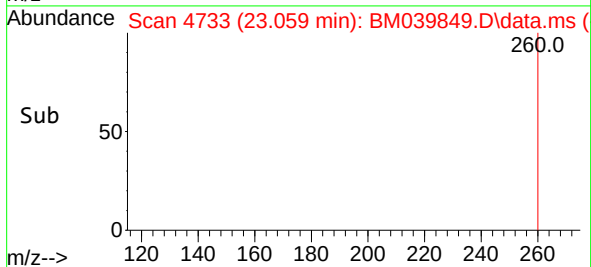
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

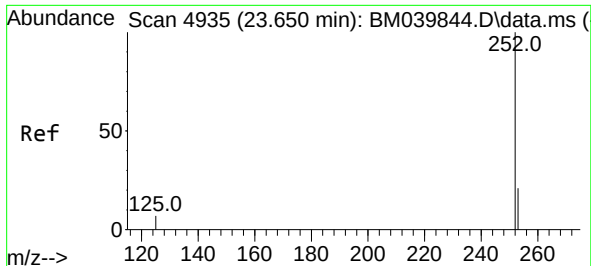


#25
Benzo(k)fluoranthene
Concen: 4.471 ng/ul m
RT: 23.059 min Scan# 4733
Delta R.T. -0.026 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32



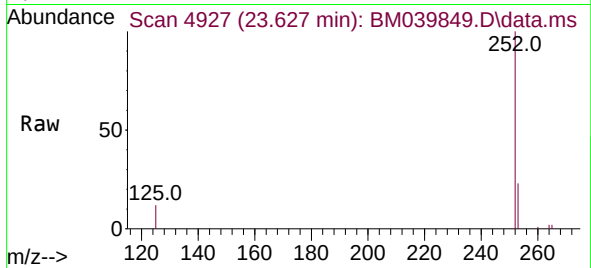
Tgt Ion:252 Resp: 137785
Ion Ratio Lower Upper
252 100
253 23.5 21.3 31.9
125 13.0 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 10.132 ng/ul
RT: 23.627 min Scan# 4935
Delta R.T. -0.023 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

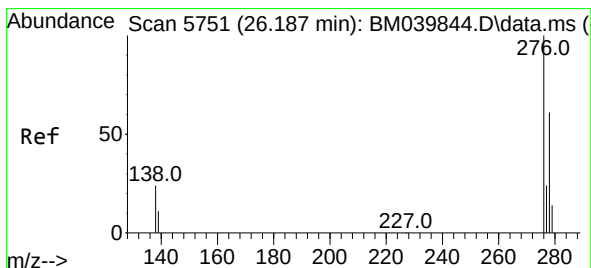
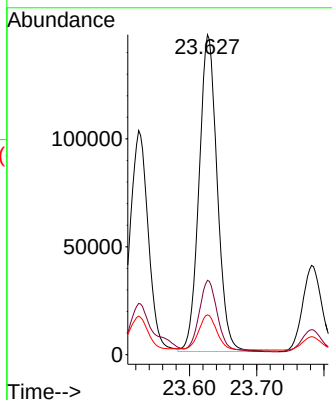
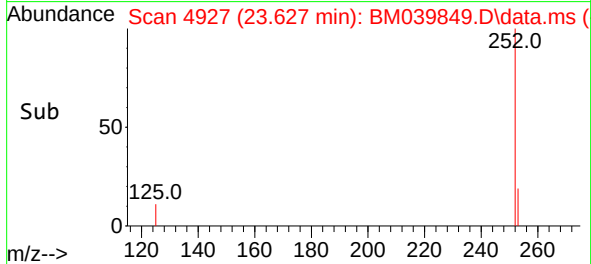
Instrument :
BNA_M
ClientSampleId :
EW952



Tgt Ion:252 Resp: 275358
Ion Ratio Lower Upper
252 100
253 23.2 24.7 37.1
125 12.4 16.5 24.7

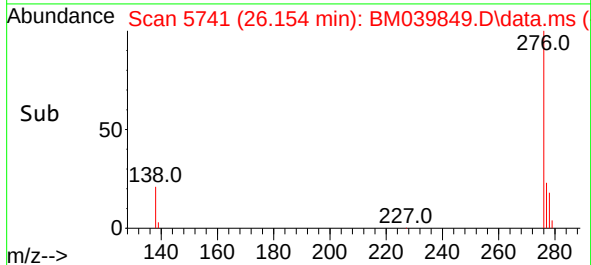
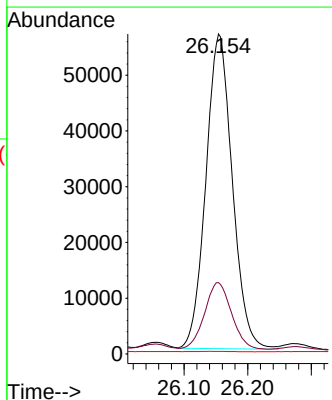
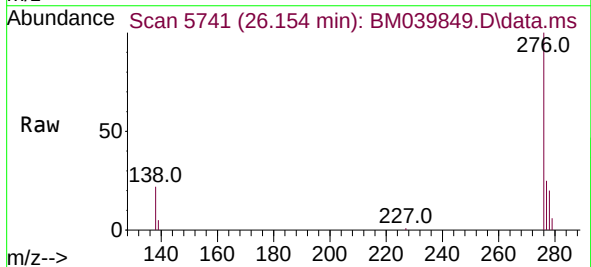
Manual Integrations
APPROVED

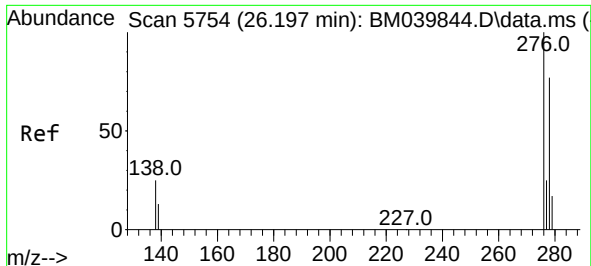
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.741 ng/ul
RT: 26.154 min Scan# 5741
Delta R.T. -0.033 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

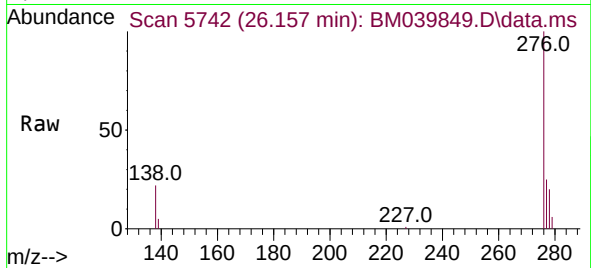
Tgt Ion:276 Resp: 162922
Ion Ratio Lower Upper
276 100
138 21.6 21.1 31.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.476 ng/ul
RT: 26.157 min Scan# 51
Delta R.T. -0.040 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

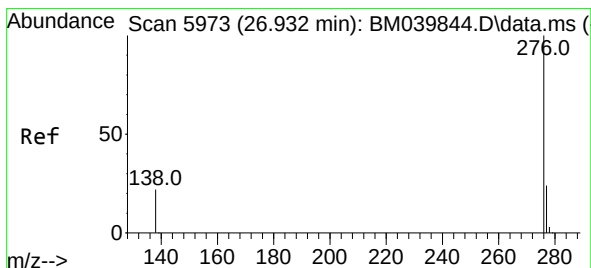
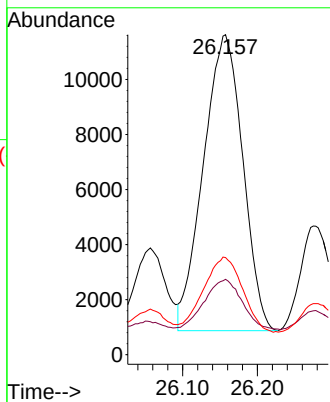
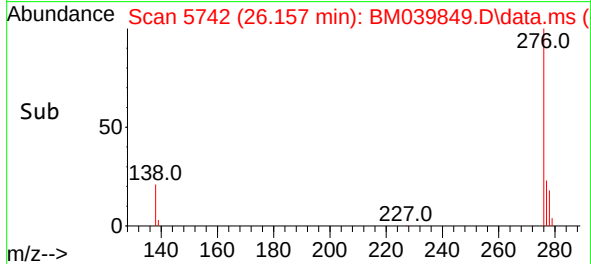
Instrument :
BNA_M
ClientSampleId :
EW952



Tgt Ion:278 Resp: 3936
Ion Ratio Lower Upper
278 100
139 23.5 17.0 25.6
279 30.4 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Benzo(g,h,i)perylene
Concen: 4.498 ng/ul
RT: 26.905 min Scan# 5965
Delta R.T. -0.027 min
Lab File: BM039849.D
Acq: 05 May 2023 17:32

Tgt Ion:276 Resp: 134692
Ion Ratio Lower Upper
276 100
138 23.4 20.1 30.1
277 24.9 20.1 30.1

