

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039782.D
 Acq On : 01 May 2023 18:00
 Operator : CG/JU
 Sample : 02418-29
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW903

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 01:26:37 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 Apr 29 04:28:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	3959	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.590	136	14966	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.446	164	8772	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	16574	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.402	240	6594	0.400	ng/ul	# 0.00
23) Perylene-d12	23.755	264	12945	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	15041	2.578	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.184	152	4511	0.235	ng/ul	-0.02
18) Fluoranthene-d10	19.239	212	6313	0.356	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	218523	5.815	ng/ul	97
7) 2-Methylnaphthalene	12.261	142	86188	3.974	ng/ul	96
8) 1-Methylnaphthalene	12.481	142	73661	3.166	ng/ul	100
10) Acenaphthylene	14.168	152	281606	8.294	ng/ul	99
11) Acenaphthene	14.506	153	189074	7.090	ng/ul	98
12) Fluorene	15.496	166	294364	9.949	ng/ul	98
14) Pentachlorophenol	16.875	266	416	0.115	ng/ul#	83
15) Phenanthrene	17.246	178	3510692	80.400	ng/ul	100
16) Anthracene	17.335	178	821717	21.916	ng/ul	97
19) Fluoranthene	19.276	202	6061118	257.649	ng/ul	96
20) Pyrene	19.638	202	4985181	196.233	ng/ul	95
21) Benzo(a)anthracene	21.388	228	2554097	134.719	ng/ul	97
22) Chrysene	21.440	228	2401098	111.912	ng/ul	97
24) Benzo(b)fluoranthene	23.051	252	3538717	77.839	ng/ul	93
25) Benzo(k)fluoranthene	23.089	252	1195044m	25.816	ng/ul	
26) Benzo(a)pyrene	23.659	252	2344262	57.433	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.201	276	1836642	35.586	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.201	278	470673	11.750	ng/ul	95
29) Benzo(g,h,i)perylene	26.955	276	1577425	35.075	ng/ul	97

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

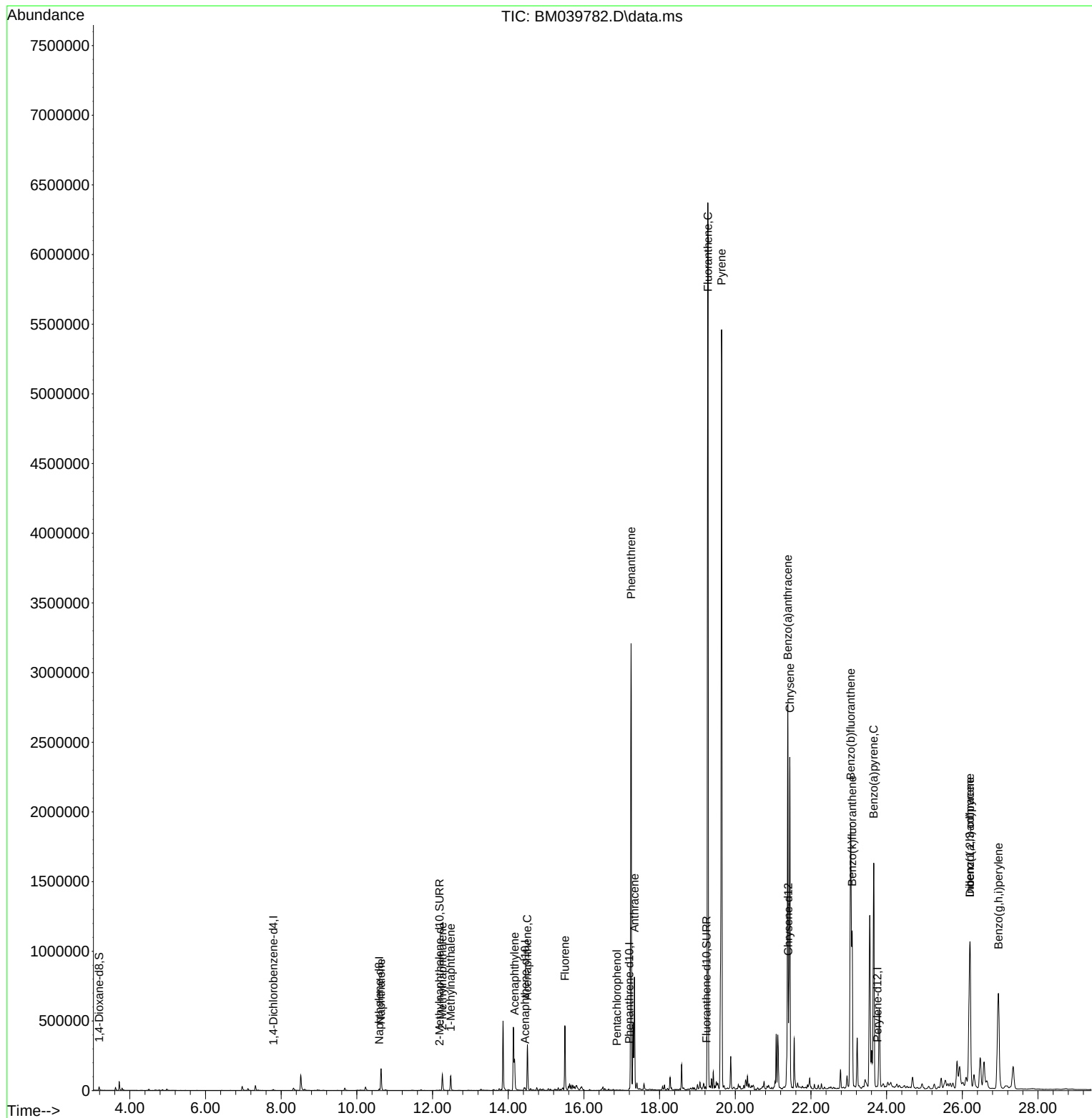
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039782.D
Acq On : 01 May 2023 18:00
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ALS Vial : 13 Sample Multiplier: 1

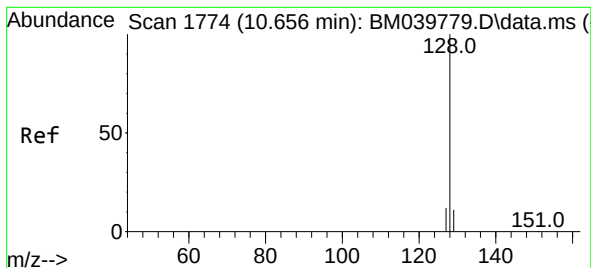
Instrument :
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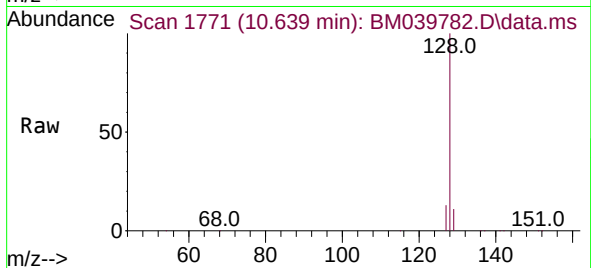
Quant Time: May 02 01:26:37 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 5.815 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.016 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

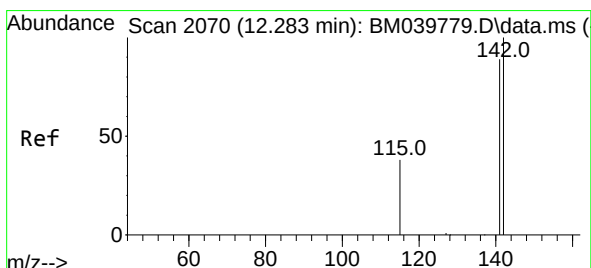
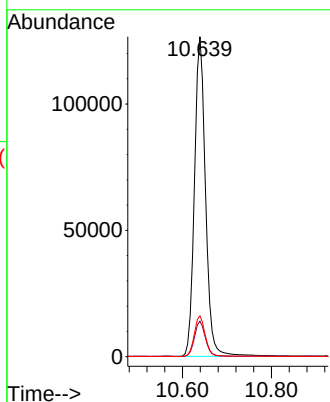
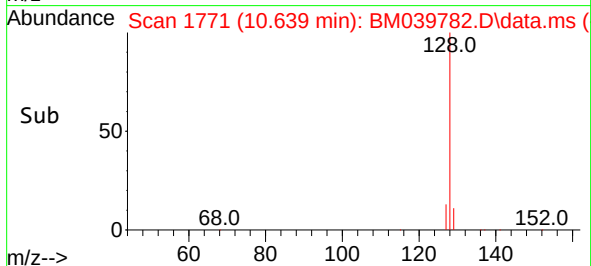
Instrument :
BNA_M
ClientSampleId :
EW903



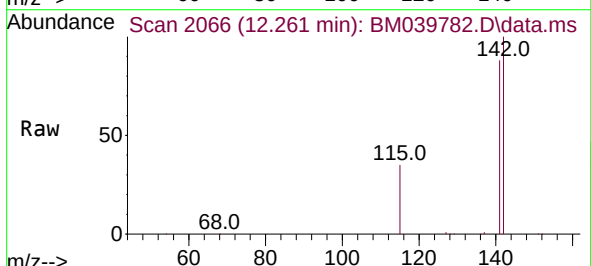
Tgt Ion:128 Resp: 21852
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 12.7 11.1 16.7

Manual Integrations
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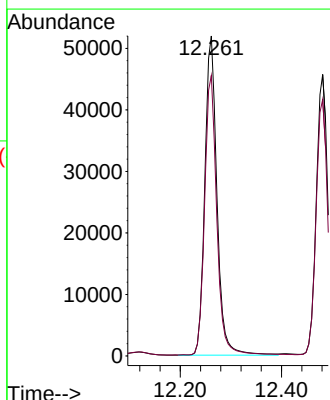
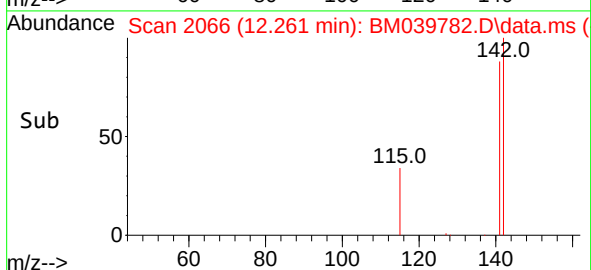
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

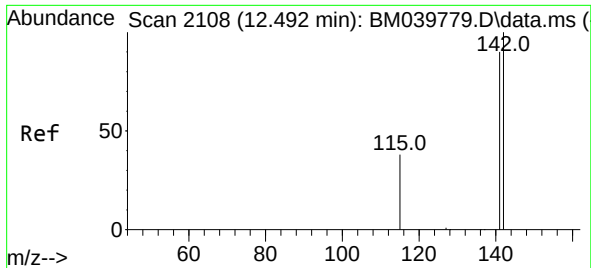


#7
2-Methylnaphthalene
Concen: 3.974 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.016 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00



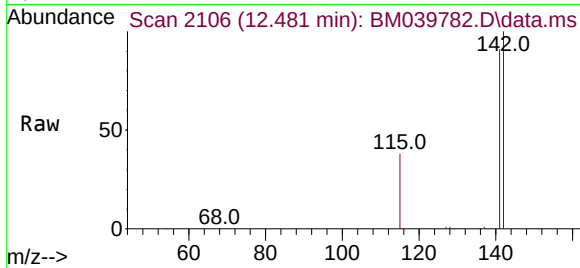
Tgt Ion:142 Resp: 86188
Ion Ratio Lower Upper
142 100
141 88.1 73.2 109.8





#8
1-Methylnaphthalene
Concen: 3.166 ng/ul
RT: 12.481 min Scan# 2106
Delta R.T. -0.011 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

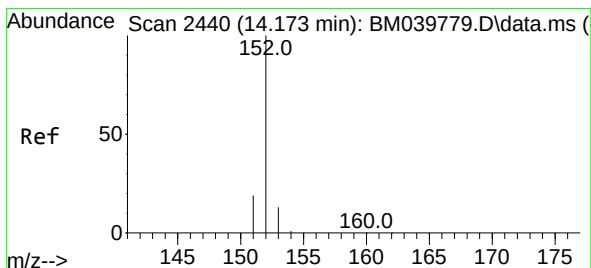
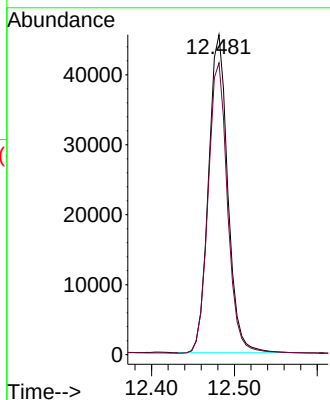
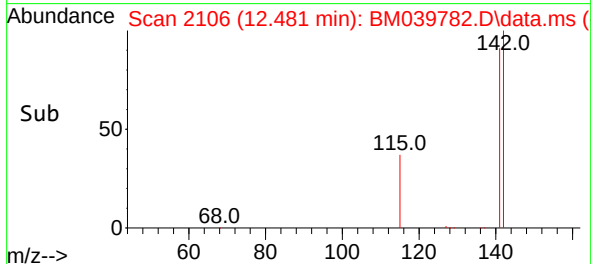
Instrument :
BNA_M
ClientSampleId :
EW903



Tgt Ion:142 Resp: 7366
Ion Ratio Lower Upper
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141 91.8 73.4 110.2

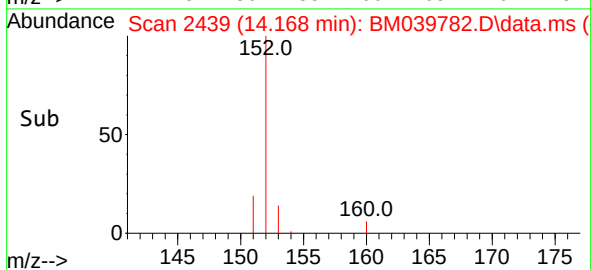
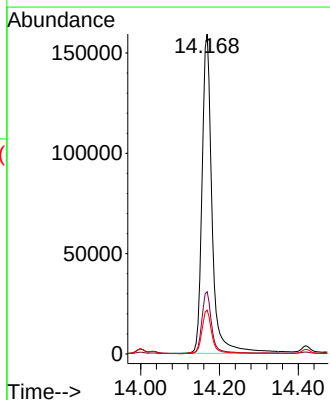
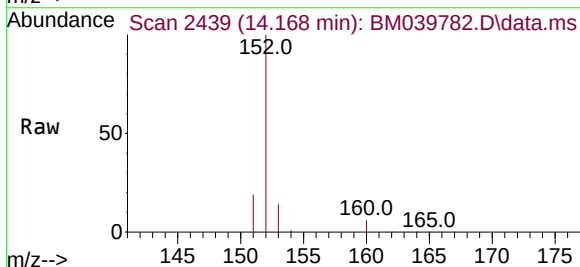
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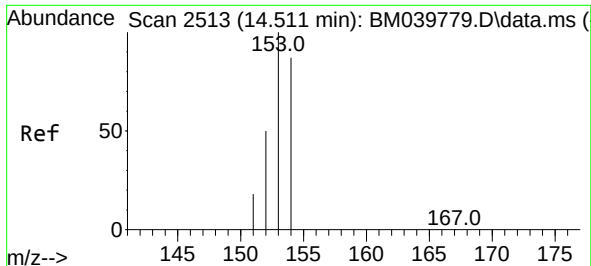
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 8.294 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. -0.004 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

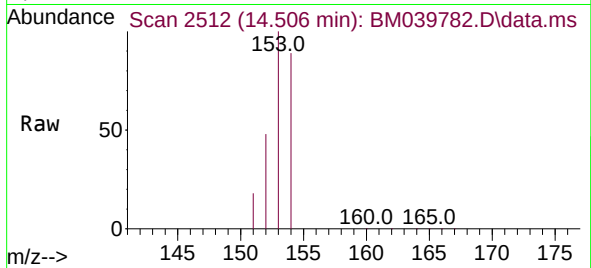
Tgt Ion:152 Resp: 281606
Ion Ratio Lower Upper
152 100
151 19.4 16.0 24.0
153 13.7 11.2 16.8





#11
Acenaphthene
Concen: 7.090 ng/u1
RT: 14.506 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

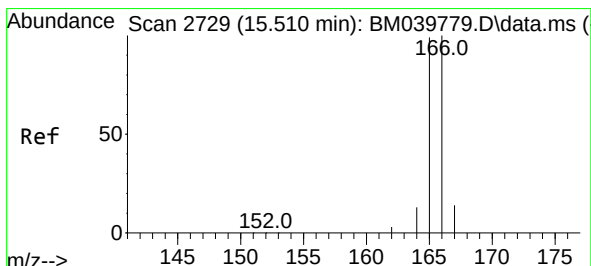
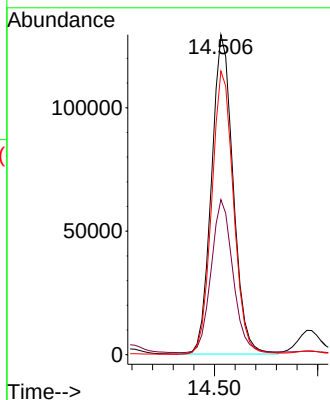
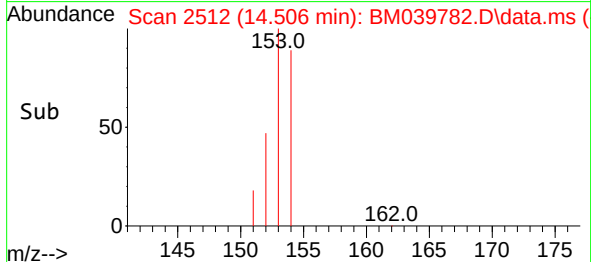
Instrument :
BNA_M
ClientSampleId :
EW903



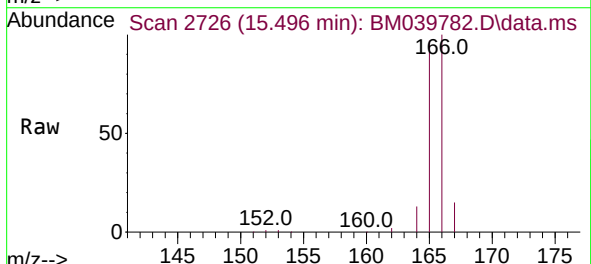
Tgt Ion:153 Resp: 189074
Ion Ratio Lower Upper
153 100
152 48.4 40.6 61.0
154 88.6 71.9 107.9

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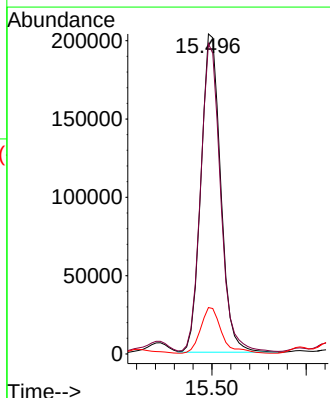
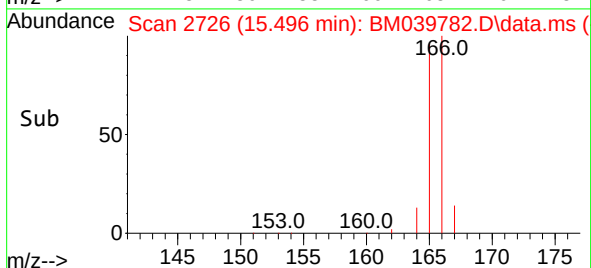
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

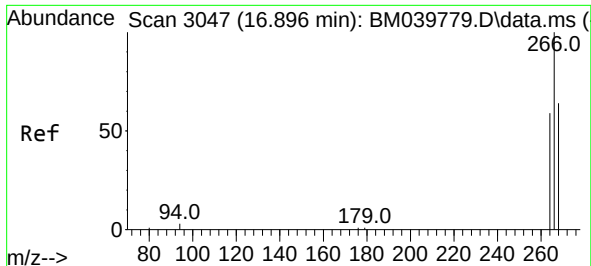


#12
Fluorene
Concen: 9.949 ng/u1
RT: 15.496 min Scan# 2726
Delta R.T. -0.014 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00



Tgt Ion:166 Resp: 294364
Ion Ratio Lower Upper
166 100
165 96.9 79.0 118.6
167 14.5 11.8 17.6





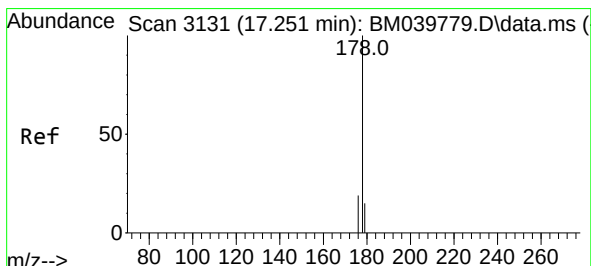
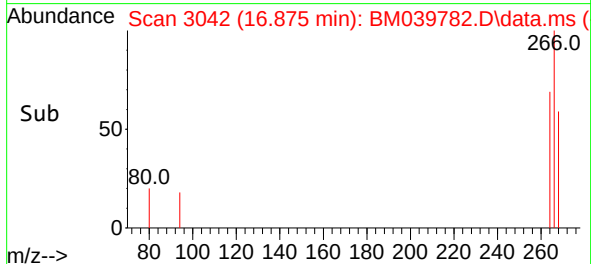
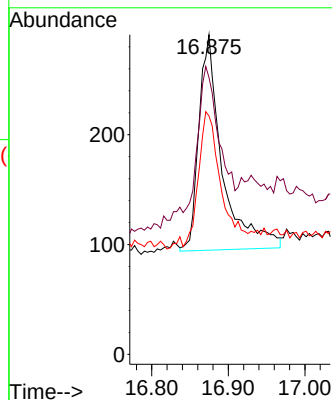
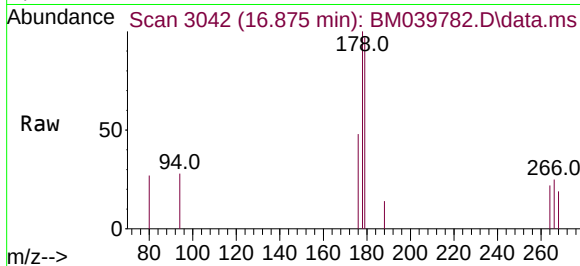
#14
 Pentachlorophenol
 Concen: 0.115 ng/ul
 RT: 16.875 min Scan# 3042
 Delta R.T. -0.013 min
 Lab File: BM039782.D
 Acq: 01 May 2023 18:00

Instrument :
 BNA_M
 ClientSampleId :
 EW903

Tgt Ion:266 Resp: 410
 Ion Ratio Lower Upper
 266 100
 264 85.3 48.8 73.2
 268 65.4 50.4 75.6

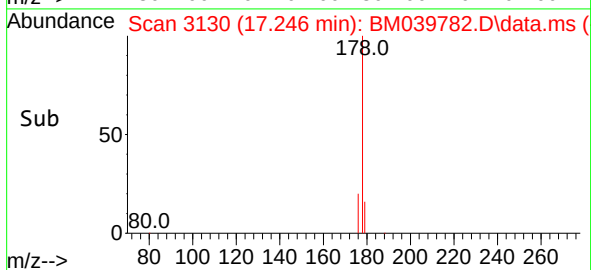
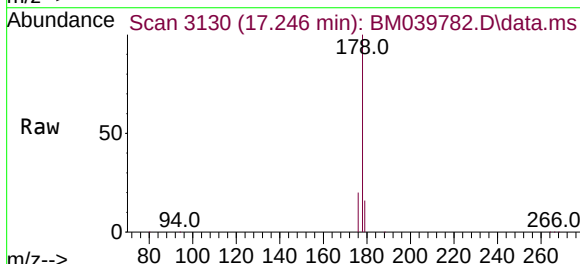
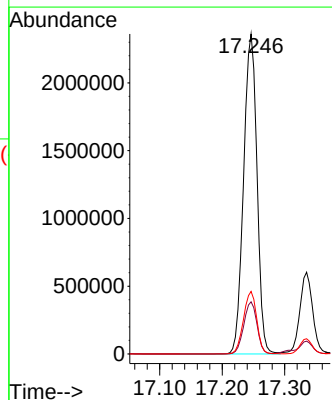
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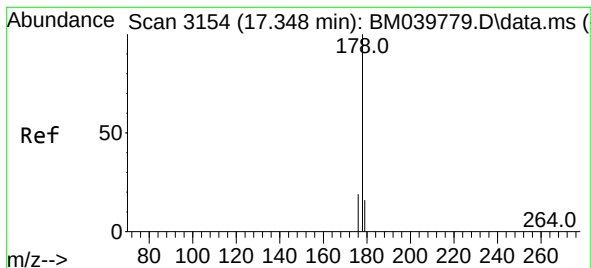
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#15
 Phenanthrene
 Concen: 80.400 ng/ul
 RT: 17.246 min Scan# 3130
 Delta R.T. 0.000 min
 Lab File: BM039782.D
 Acq: 01 May 2023 18:00

Tgt Ion:178 Resp: 3510692
 Ion Ratio Lower Upper
 178 100
 179 16.3 13.0 19.6
 176 19.5 15.8 23.8





#16

Anthracene

Concen: 21.916 ng/ul

RT: 17.335 min Scan# 3154

Delta R.T. -0.008 min

Lab File: BM039782.D

Acq: 01 May 2023 18:00

Instrument :

BNA_M

ClientSampleId :

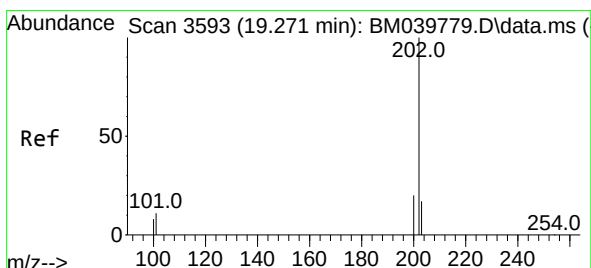
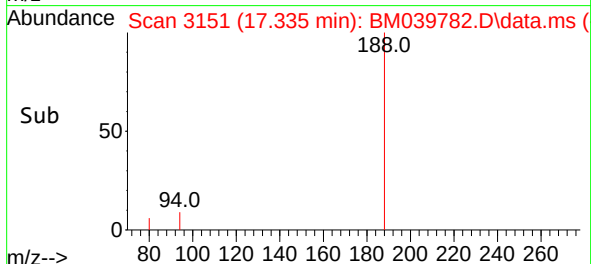
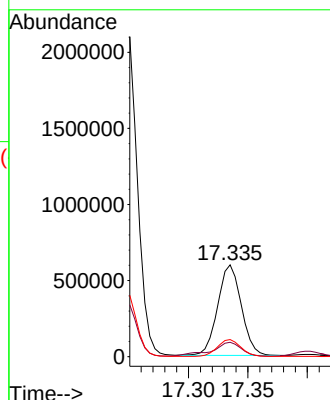
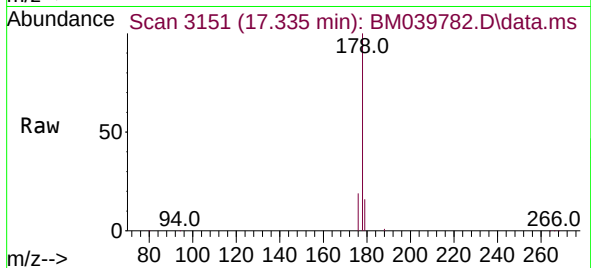
EW903

Tgt Ion:178	Resp: 82171
Ion Ratio	Lower Upper
178 100	
179 15.7	13.8 20.6
176 18.6	15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#19

Fluoranthene

Concen: 257.649 ng/ul

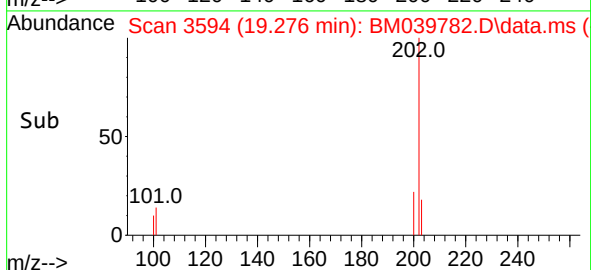
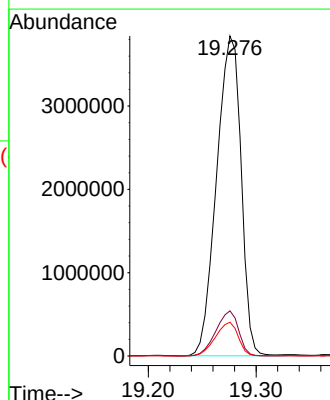
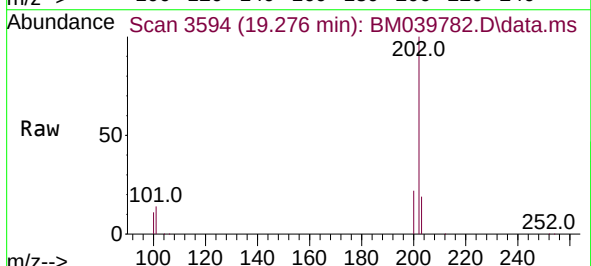
RT: 19.276 min Scan# 3594

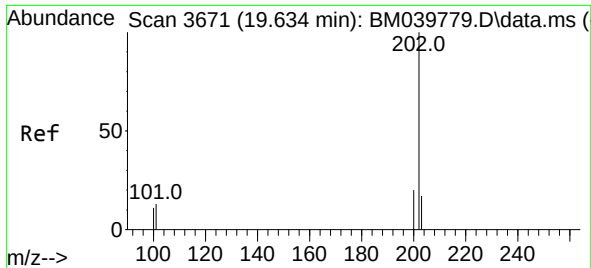
Delta R.T. 0.009 min

Lab File: BM039782.D

Acq: 01 May 2023 18:00

Tgt Ion:202	Resp: 6061118
Ion Ratio	Lower Upper
202 100	
101 14.1	9.8 14.8
100 10.5	7.3 10.9





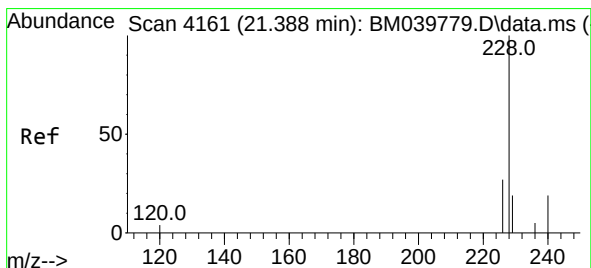
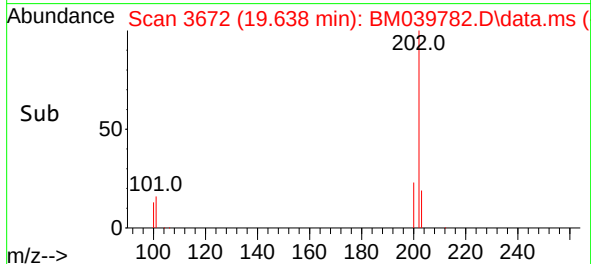
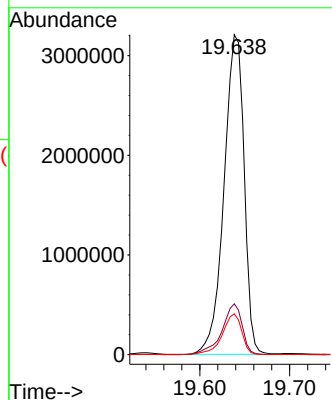
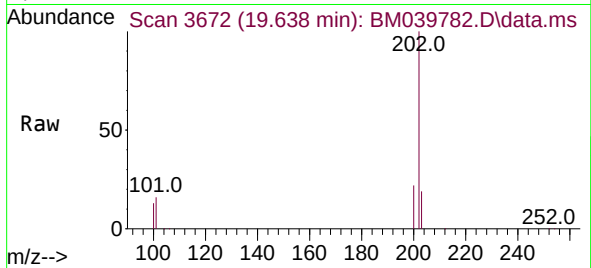
#20
Pyrene
Concen: 196.233 ng/ul
RT: 19.638 min Scan# 30
Delta R.T. 0.005 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

Instrument :
BNA_M
ClientSampleId :
EW903

Tgt Ion:202 Resp: 498518
Ion Ratio Lower Upper
202 100
101 15.9 10.9 16.3
100 12.8 8.9 13.3

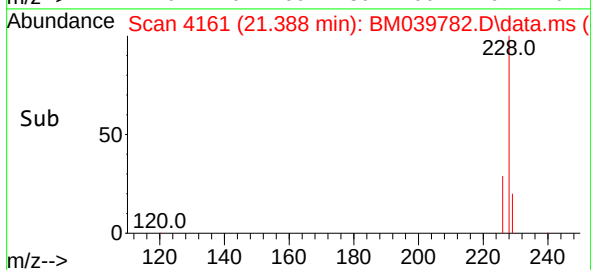
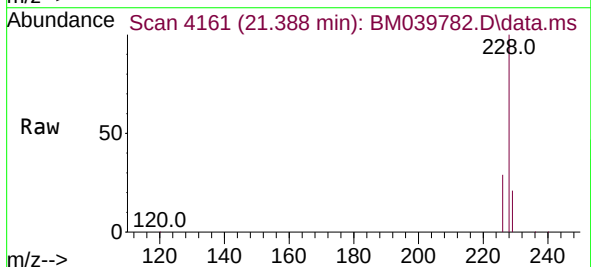
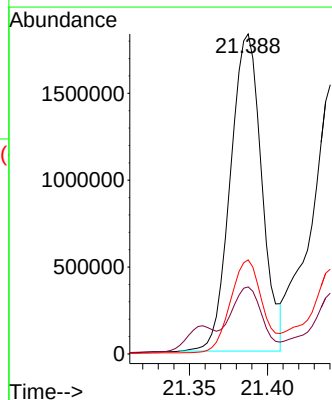
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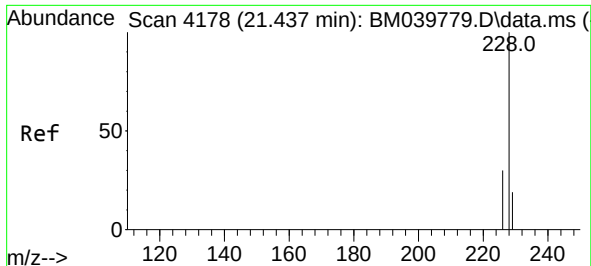
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#21
Benzo(a)anthracene
Concen: 134.719 ng/ul
RT: 21.388 min Scan# 4161
Delta R.T. 0.004 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

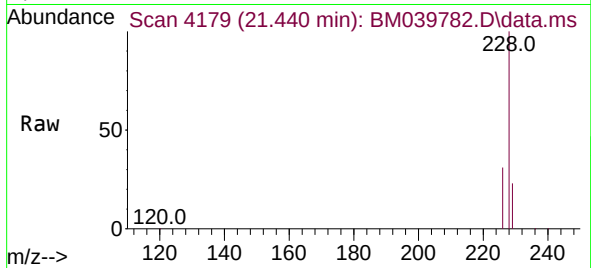
Tgt Ion:228 Resp: 2554097
Ion Ratio Lower Upper
228 100
229 20.9 16.2 24.2
226 29.4 21.6 32.4





#22
Chrysene
Concen: 111.912 ng/u1
RT: 21.440 min Scan# 4178
Delta R.T. 0.004 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

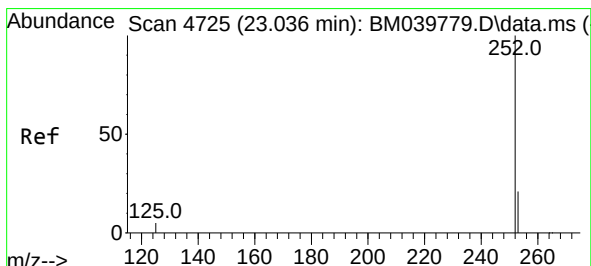
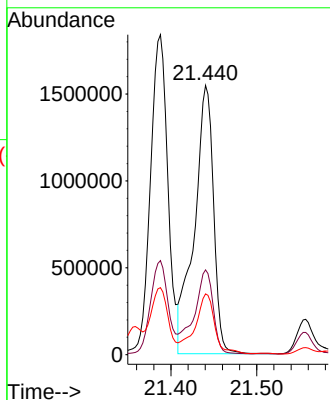
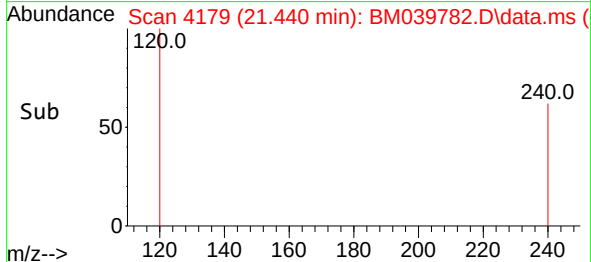
Instrument :
BNA_M
ClientSampleId :
EW903



Tgt Ion:228 Resp: 2401098
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 22.6 15.9 23.9

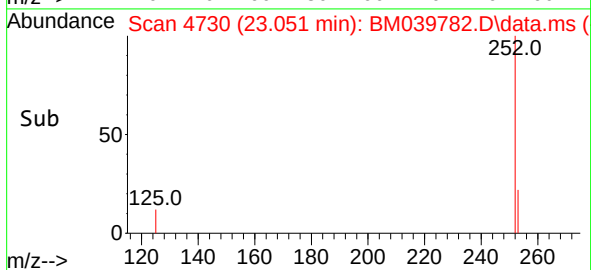
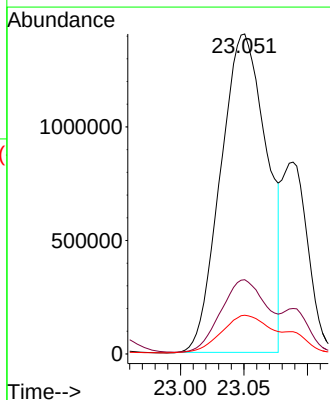
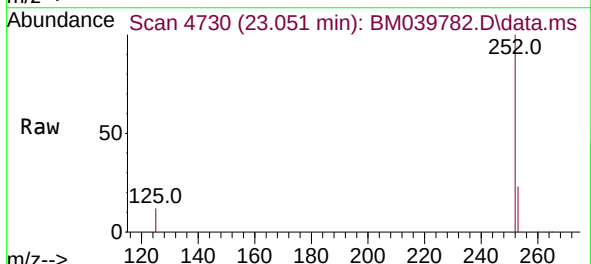
Manual Integrations
APPROVED

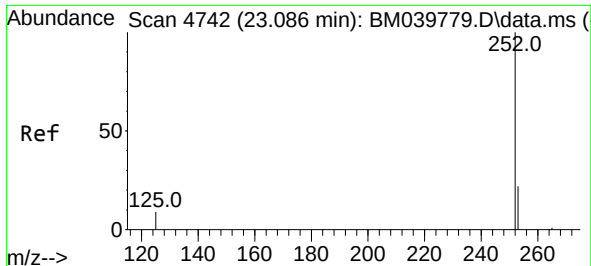
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#24
Benzo(b)fluoranthene
Concen: 77.839 ng/u1
RT: 23.051 min Scan# 4730
Delta R.T. 0.019 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

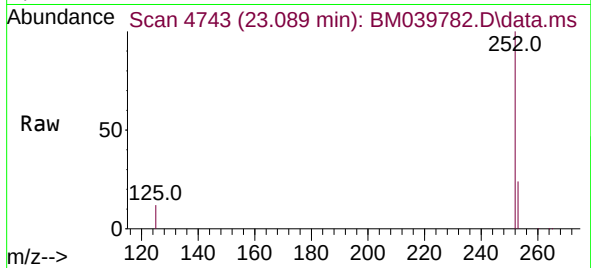
Tgt Ion:252 Resp: 3538717
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 12.1 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 25.816 ng/ul m
RT: 23.089 min Scan# 4742
Delta R.T. 0.010 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

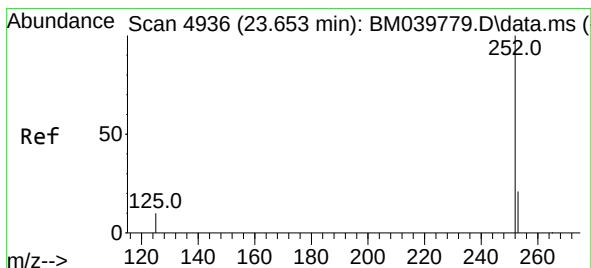
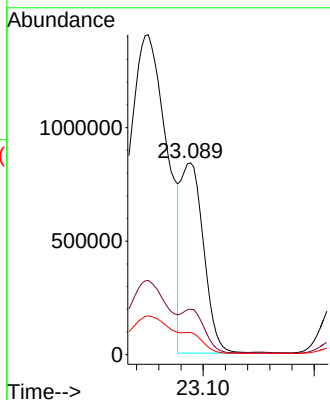
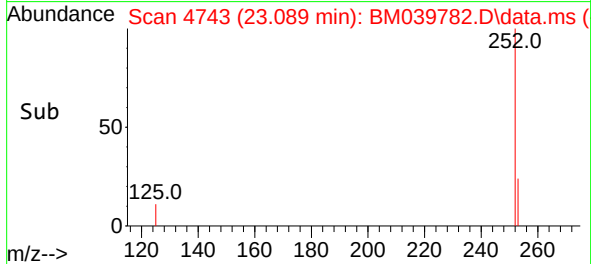
Instrument :
BNA_M
ClientSampleId :
EW903



Tgt Ion:252 Resp: 1195044
Ion Ratio Lower Upper
252 100
253 23.7 21.3 31.9
125 11.6 13.0 19.6

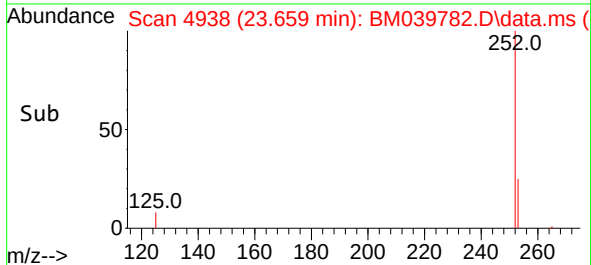
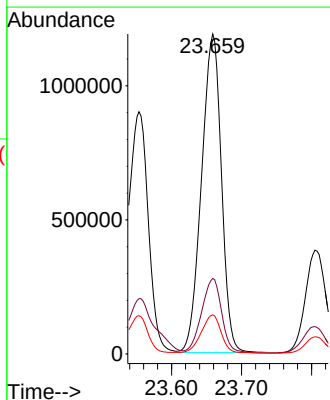
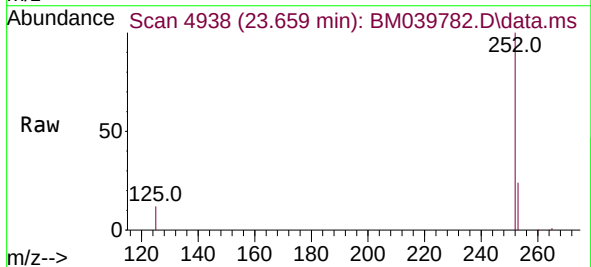
Manual Integrations
APPROVED

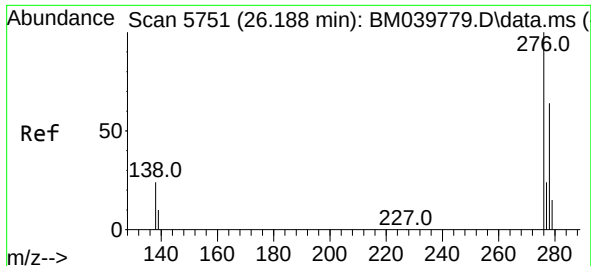
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#26
Benzo(a)pyrene
Concen: 57.433 ng/ul
RT: 23.659 min Scan# 4938
Delta R.T. 0.016 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

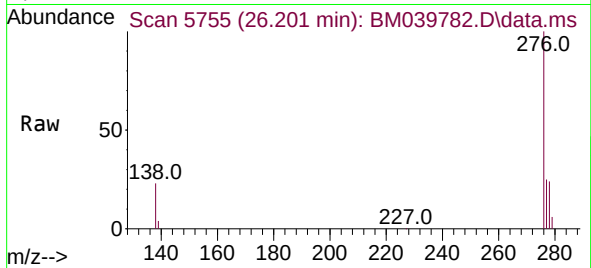
Tgt Ion:252 Resp: 2344262
Ion Ratio Lower Upper
252 100
253 23.6 24.7 37.1#
125 12.2 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 35.586 ng/ul
RT: 26.201 min Scan# 5755
Delta R.T. 0.022 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00

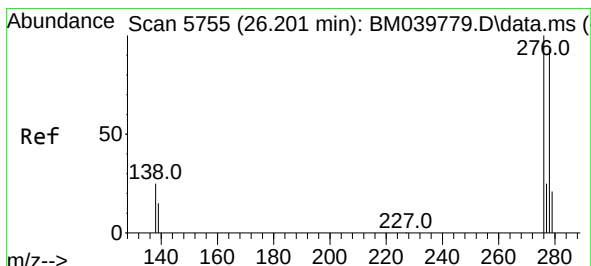
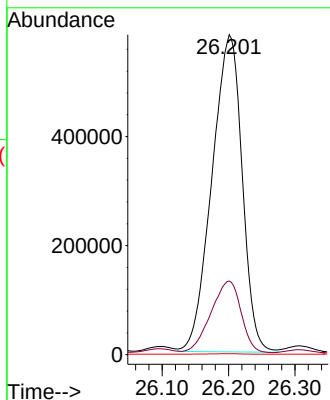
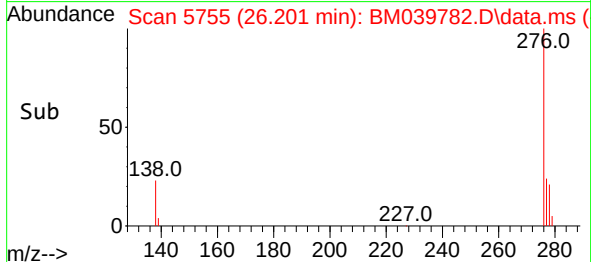
Instrument :
BNA_M
ClientSampleId :
EW903



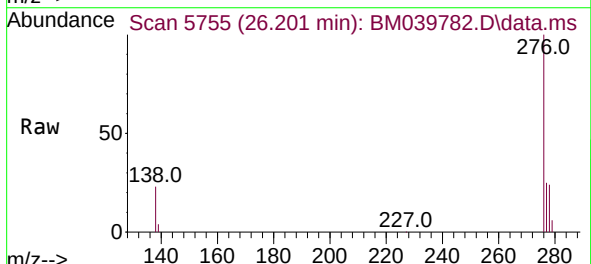
Tgt Ion:276 Resp: 183664
Ion Ratio Lower Upper
276 100
138 22.6 21.1 31.7
227 0.2 0.1 0.1

Manual Integrations
APPROVED

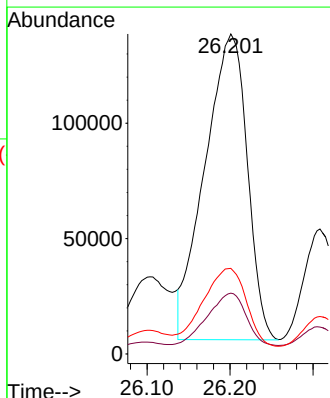
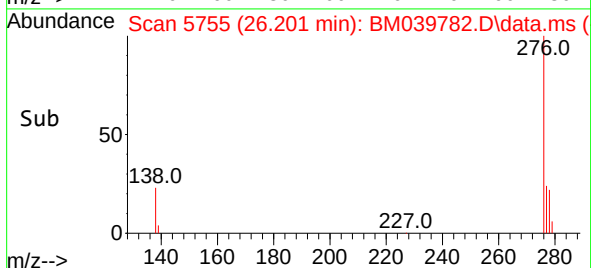
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

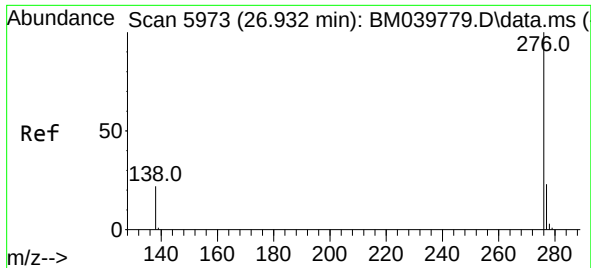


#28
Dibenzo(a,h)anthracene
Concen: 11.750 ng/ul
RT: 26.201 min Scan# 5755
Delta R.T. 0.012 min
Lab File: BM039782.D
Acq: 01 May 2023 18:00



Tgt Ion:278 Resp: 470673
Ion Ratio Lower Upper
278 100
139 19.0 17.0 25.6
279 26.7 23.4 35.2





#29

Benzo(g,h,i)perylene

Concen: 35.075 ng/ul

RT: 26.955 min Scan# 5980

Delta R.T. 0.035 min

Lab File: BM039782.D

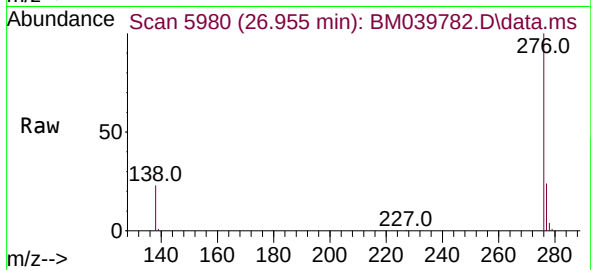
Acq: 01 May 2023 18:00

Instrument :

BNA_M

ClientSampleId :

EW903



Tgt Ion:276 Resp: 1577429

Ion Ratio Lower Upper

276 100

138 22.9 20.1 30.1

277 24.5 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023

