

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039781.D
 Acq On : 01 May 2023 17:24
 Operator : CG/JU
 Sample : 02418-28
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW902

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:26:26 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	7.791	152	4393	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.589	136	16030	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.446	164	9461	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	19308	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.410	240	8965	0.400	ng/ul	# 0.01
23) Perylene-d12	23.766	264	20560	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	15835	2.446	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	4987	0.243	ng/ul	-0.01
18) Fluoranthene-d10	19.238	212	8806	0.365	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.639	128	84812	2.107	ng/ul	98
7) 2-Methylnaphthalene	12.261	142	39984	1.721	ng/ul	96
8) 1-Methylnaphthalene	12.481	142	41689	1.673	ng/ul	100
10) Acenaphthylene	14.164	152	520981	14.227	ng/ul	99
11) Acenaphthene	14.506	153	169554	5.895	ng/ul	98
12) Fluorene	15.496	166	258297	8.094	ng/ul	98
14) Pentachlorophenol	16.870	266	481	0.114	ng/ul	98
15) Phenanthrene	17.242	178	4806457	94.489	ng/ul	99
16) Anthracene	17.335	178	1270270	29.083	ng/ul	97
19) Fluoranthene	19.290	202	12907787	403.576	ng/ul#	94
20) Pyrene	19.652	202	11041061	319.669	ng/ul#	91
21) Benzo(a)anthracene	21.395	228	5854113	227.117	ng/ul#	92
22) Chrysene	21.451	228	5998277	205.633	ng/ul	92
24) Benzo(b)fluoranthene	23.070	252	8121591	112.479	ng/ul	96
25) Benzo(k)fluoranthene	23.102	252	3013651m	40.991	ng/ul	
26) Benzo(a)pyrene	23.678	252	5663147	87.356	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.233	276	4809833	58.676	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.229	278	1174980	18.468	ng/ul	94
29) Benzo(g,h,i)perylene	26.984	276	4075656	57.060	ng/ul	99

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

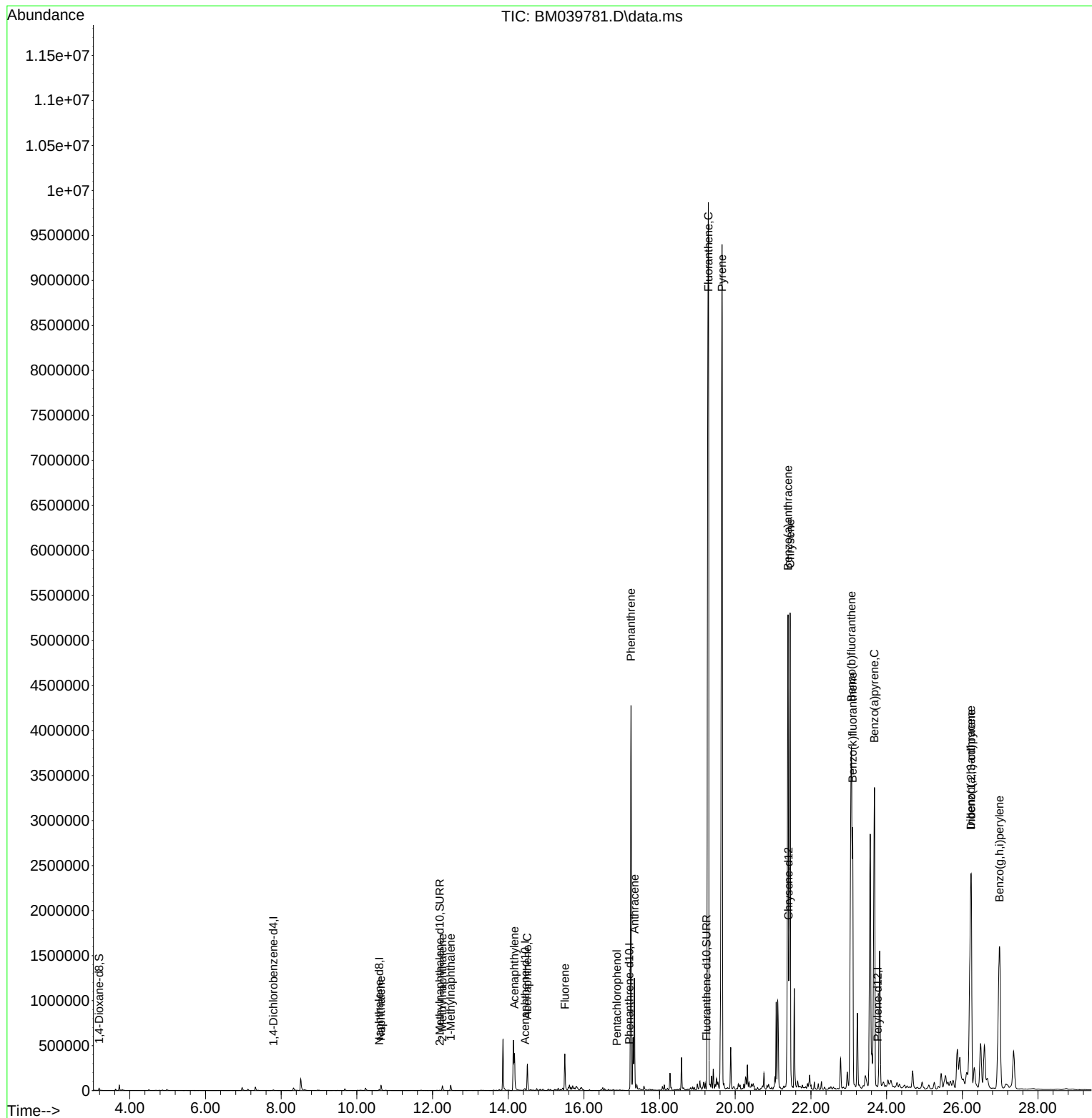
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039781.D
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ALS Vial : 12 Sample Multiplier: 1

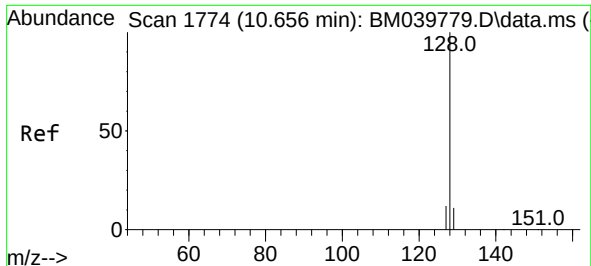
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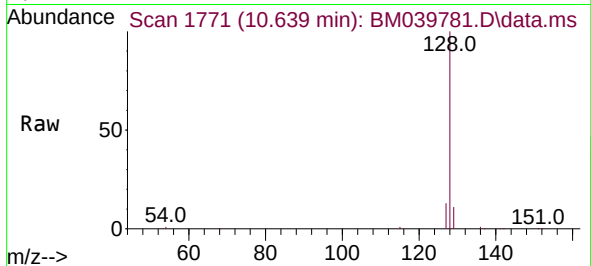
Quant Time: May 02 01:26:26 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 2.107 ng/ul
RT: 10.639 min Scan# 11
Delta R.T. -0.016 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

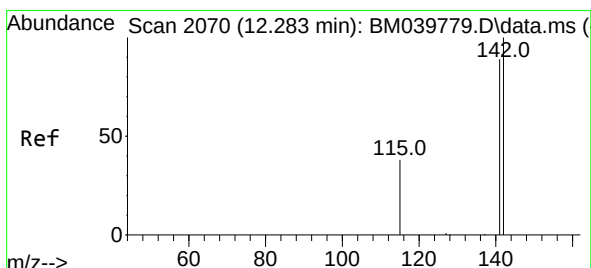
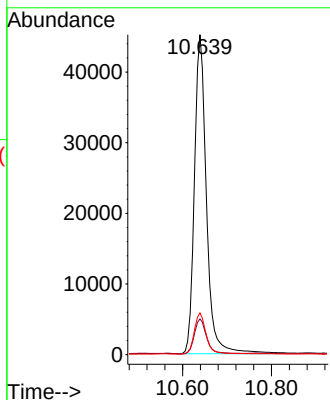
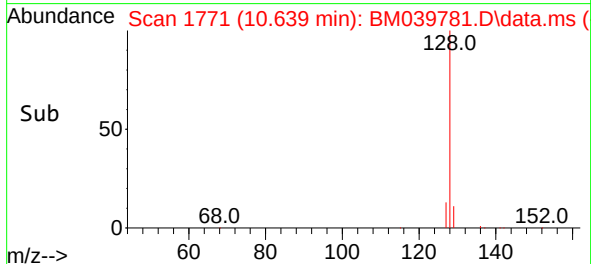
Instrument :
BNA_M
ClientSampleId :
EW902



Tgt Ion:128 Resp: 84812
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 13.0 11.1 16.7

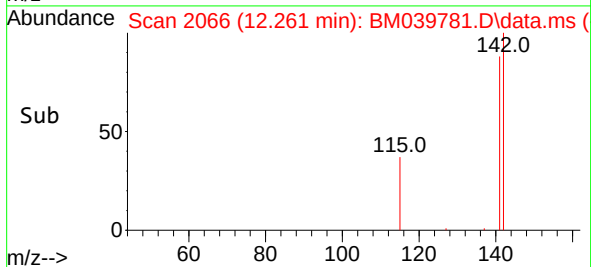
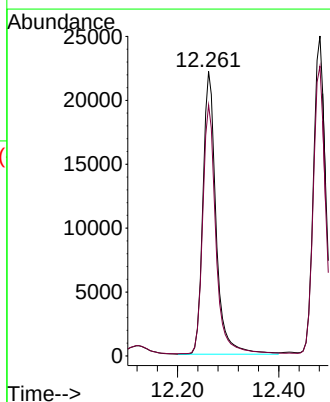
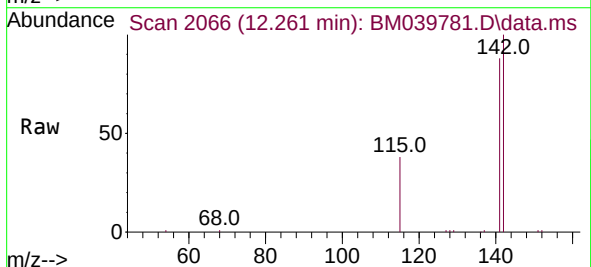
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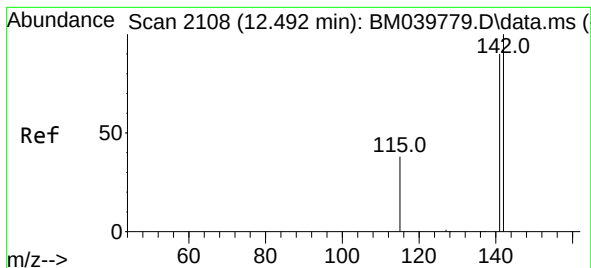
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#7
2-Methylnaphthalene
Concen: 1.721 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.016 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

Tgt Ion:142 Resp: 39984
Ion Ratio Lower Upper
142 100
141 88.0 73.2 109.8





#8

1-Methylnaphthalene

Concen: 1.673 ng/ul

RT: 12.481 min Scan# 2106

Delta R.T. -0.011 min

Lab File: BM039781.D

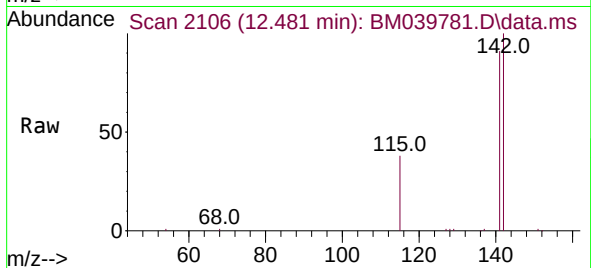
Acq: 01 May 2023 17:24

Instrument :

BNA_M

ClientSampleId :

EW902



Tgt Ion:142 Resp: 41689

Ion Ratio Lower Upper

142 100

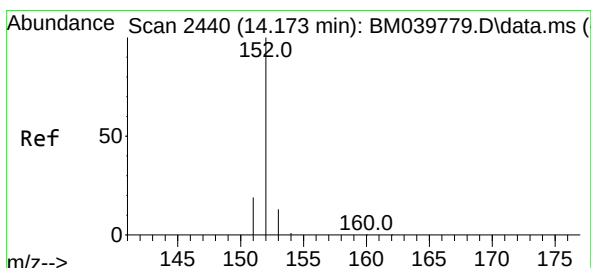
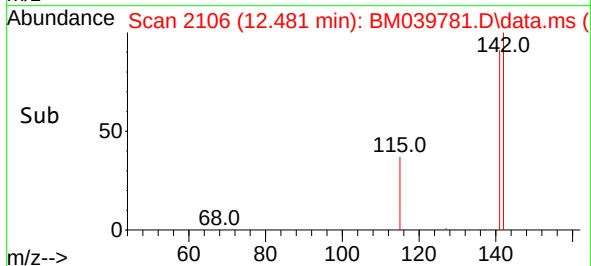
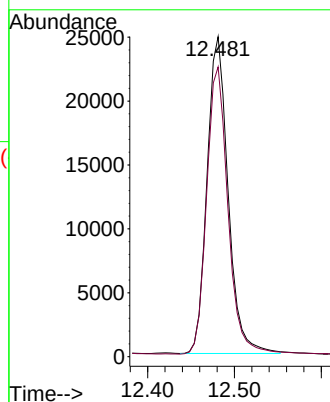
141 91.8 73.4 110.2

Manual Integrations

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#10

Acenaphthylene

Concen: 14.227 ng/ul

RT: 14.164 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BM039781.D

Acq: 01 May 2023 17:24

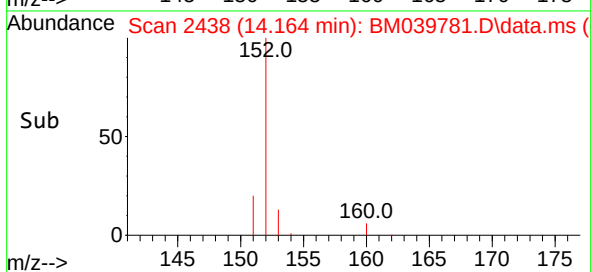
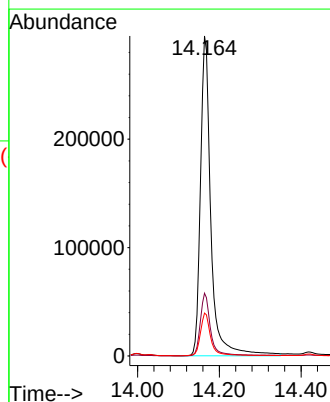
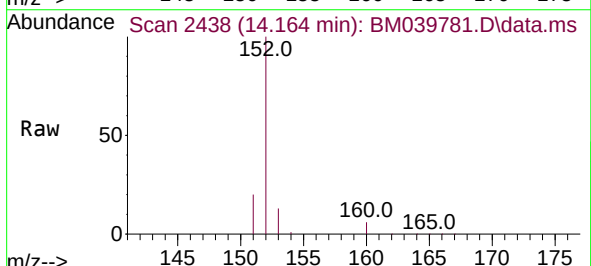
Tgt Ion:152 Resp: 520981

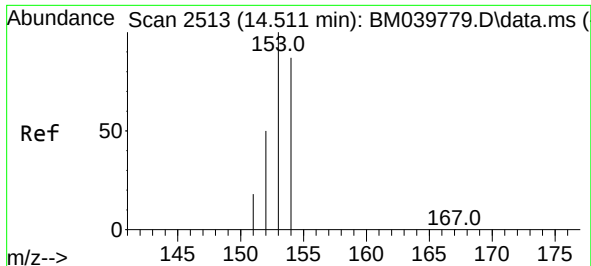
Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

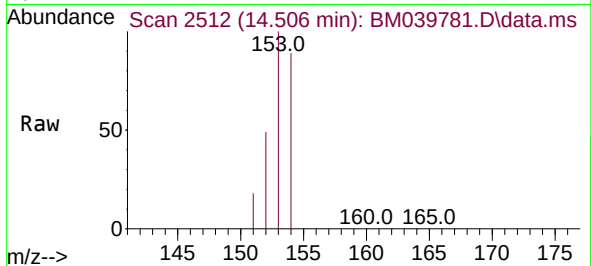
153 13.4 11.2 16.8





#11
Acenaphthene
Concen: 5.895 ng/u1
RT: 14.506 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

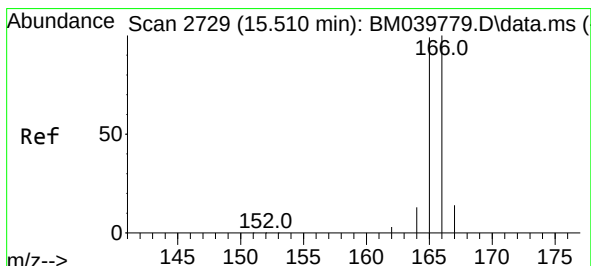
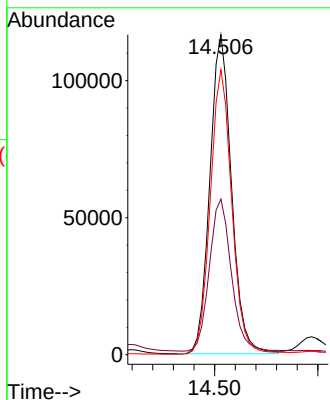
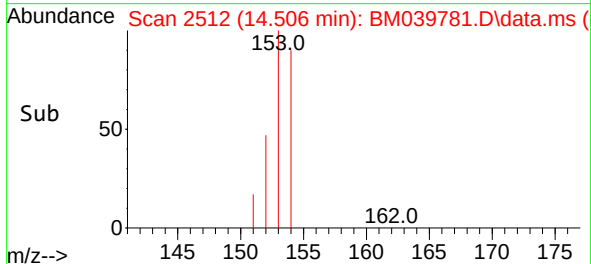
Instrument :
BNA_M
ClientSampleId :
EW902



Tgt Ion:153 Resp: 169554
Ion Ratio Lower Upper
153 100
152 48.6 40.6 61.0
154 89.1 71.9 107.9

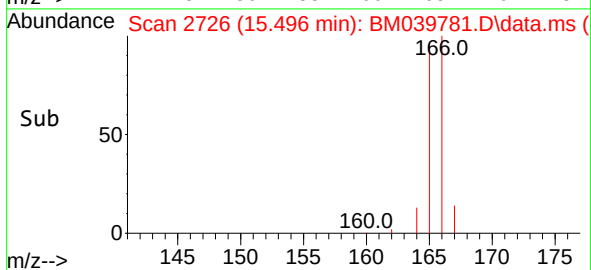
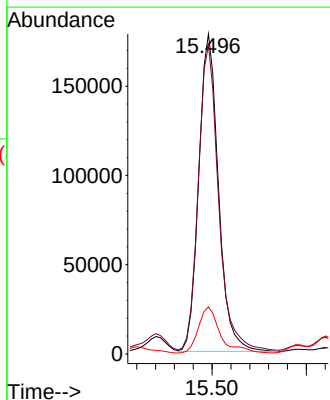
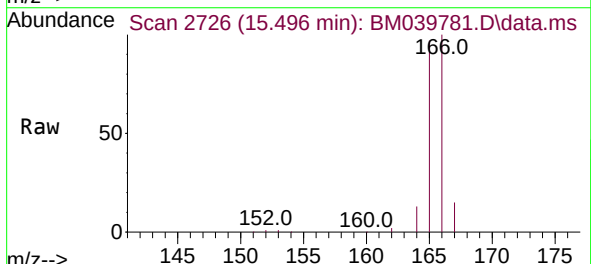
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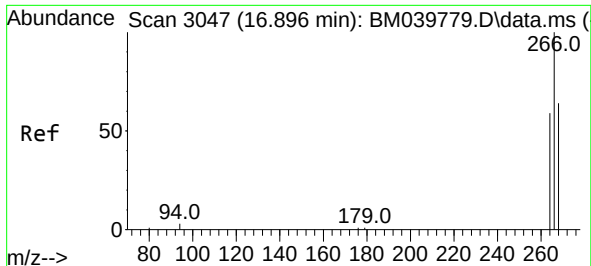
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 8.094 ng/u1
RT: 15.496 min Scan# 2726
Delta R.T. -0.014 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

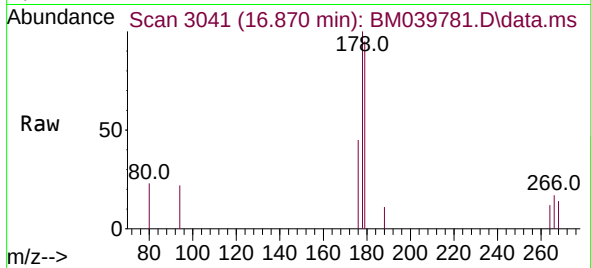
Tgt Ion:166 Resp: 258297
Ion Ratio Lower Upper
166 100
165 96.6 79.0 118.6
167 14.7 11.8 17.6





#14
 Pentachlorophenol
 Concen: 0.114 ng/ul
 RT: 16.870 min Scan# 3041
 Delta R.T. -0.017 min
 Lab File: BM039781.D
 Acq: 01 May 2023 17:24

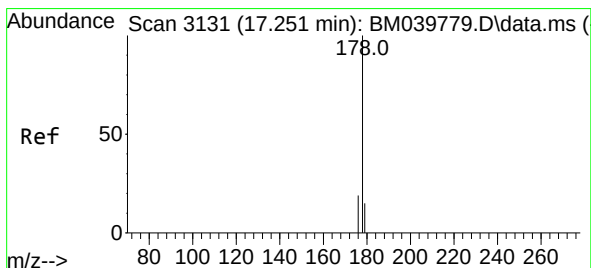
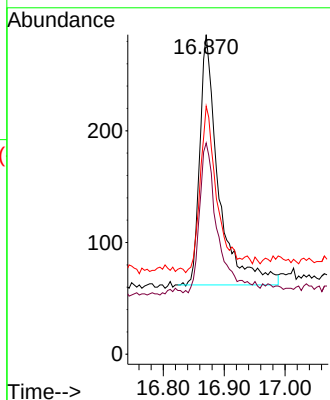
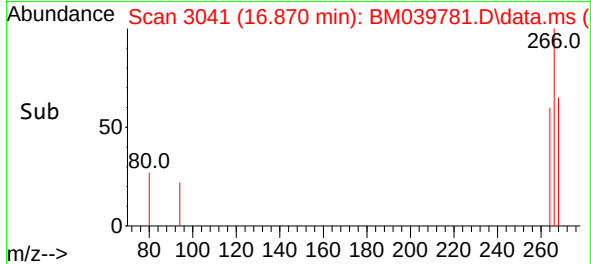
Instrument :
 BNA_M
 ClientSampleId :
 EW902



Tgt Ion:266 Resp: 48.8
 Ion Ratio Lower Upper
 266 100
 264 58.0 48.8 73.2
 268 62.6 50.4 75.6

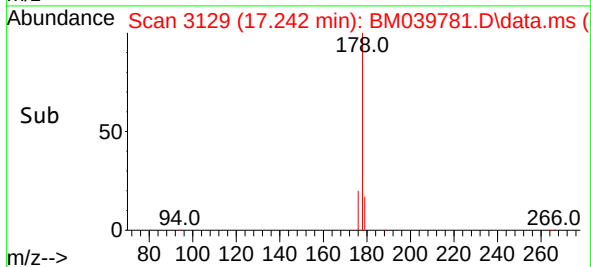
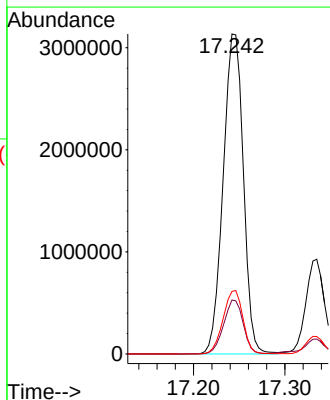
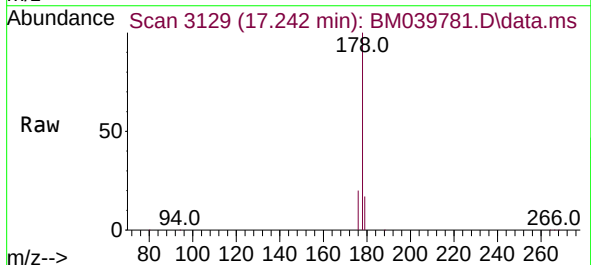
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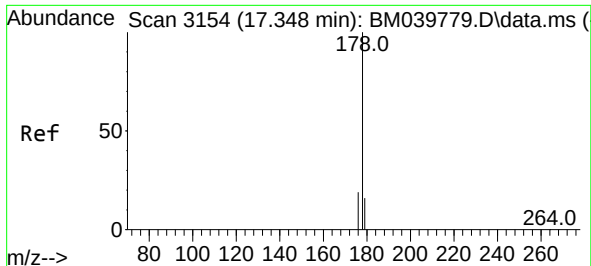
Reviewed By :Christian Giraldo 05/02/2023
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#15
 Phenanthrene
 Concen: 94.489 ng/ul
 RT: 17.242 min Scan# 3129
 Delta R.T. -0.004 min
 Lab File: BM039781.D
 Acq: 01 May 2023 17:24

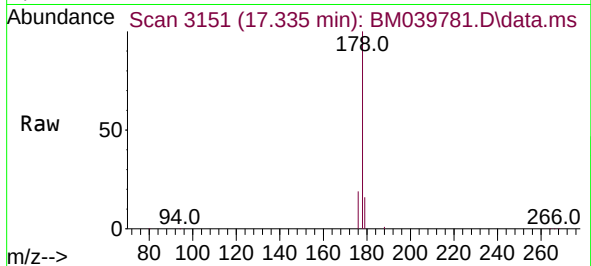
Tgt Ion:178 Resp: 4806457
 Ion Ratio Lower Upper
 178 100
 179 16.8 13.0 19.6
 176 19.6 15.8 23.8





#16
 Anthracene
 Concen: 29.083 ng/u1
 RT: 17.335 min Scan# 3154
 Delta R.T. -0.008 min
 Lab File: BM039781.D
 Acq: 01 May 2023 17:24

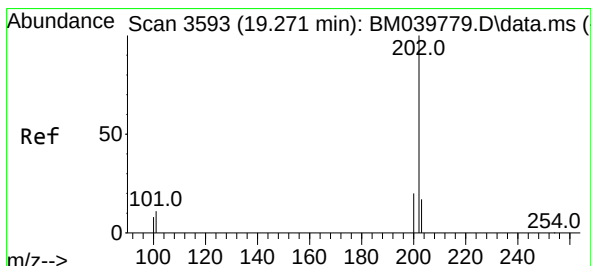
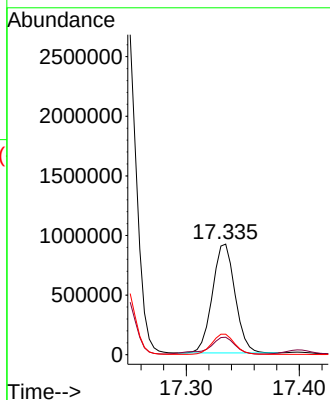
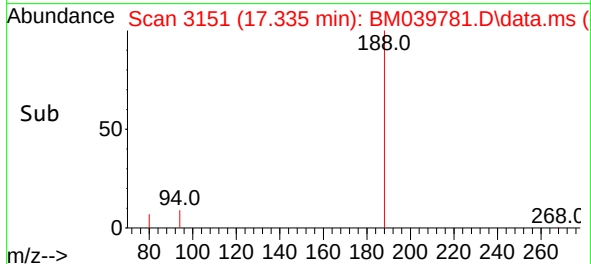
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Tgt Ion:178 Resp: 1270270
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.8 20.6
 176 18.5 15.8 23.8

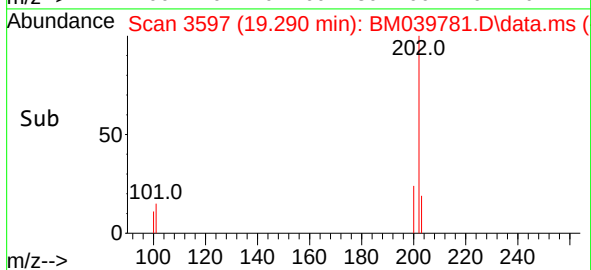
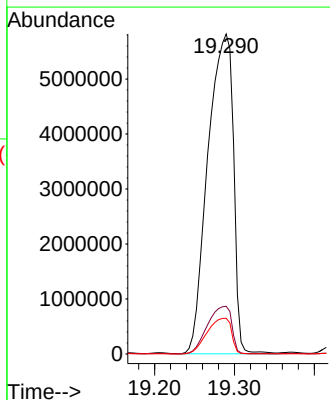
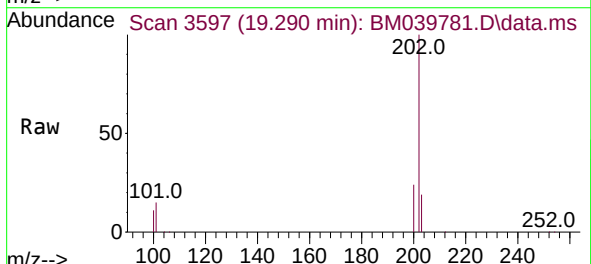
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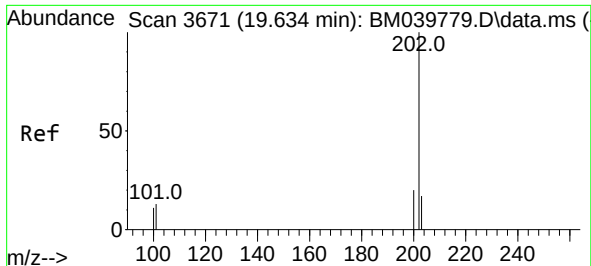
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#19
 Fluoranthene
 Concen: 403.576 ng/u1
 RT: 19.290 min Scan# 3597
 Delta R.T. 0.023 min
 Lab File: BM039781.D
 Acq: 01 May 2023 17:24

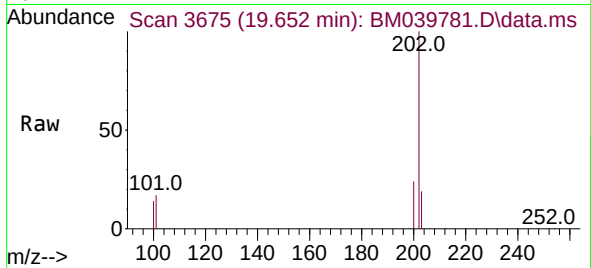
Tgt Ion:202 Resp:12907787
 Ion Ratio Lower Upper
 202 100
 101 14.9 9.8 14.8#
 100 11.2 7.3 10.9#





#20
Pyrene
Concen: 319.669 ng/ul
RT: 19.652 min Scan# 30
Delta R.T. 0.019 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

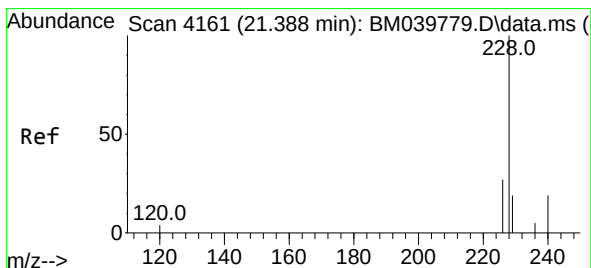
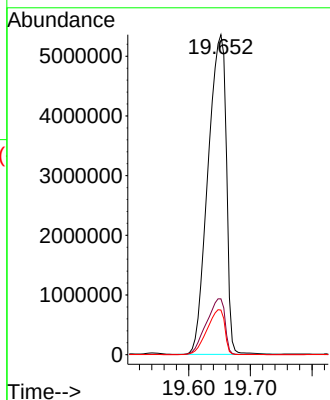
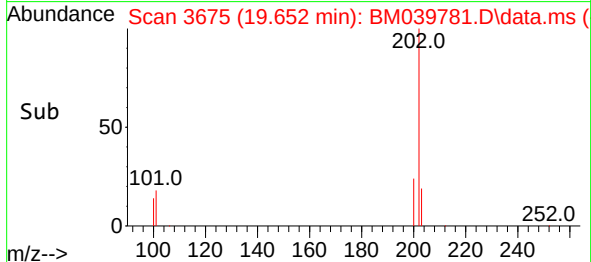
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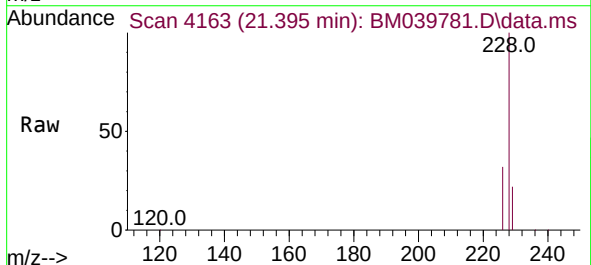
Tgt Ion:202 Resp:1104106
Ion Ratio Lower Upper
202 100
101 17.5 10.9 16.3
100 13.9 8.9 13.3

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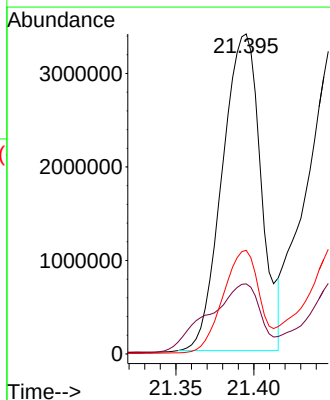
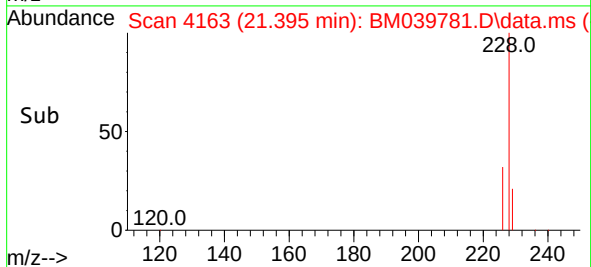
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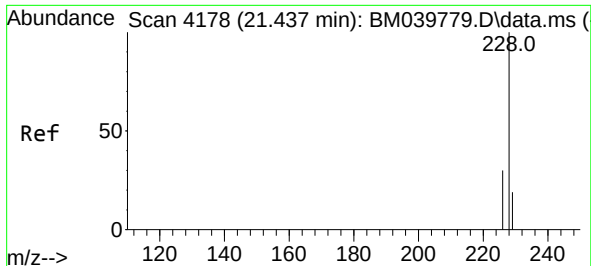


#21
Benzo(a)anthracene
Concen: 227.117 ng/ul
RT: 21.395 min Scan# 4163
Delta R.T. 0.012 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24



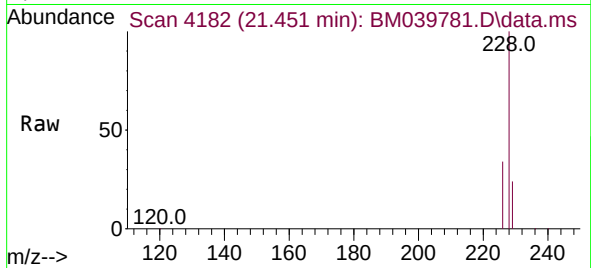
Tgt Ion:228 Resp: 5854113
Ion Ratio Lower Upper
228 100
229 21.9 16.2 24.2
226 32.4 21.6 32.4





#22
Chrysene
Concen: 205.633 ng/u1
RT: 21.451 min Scan# 4182
Delta R.T. 0.015 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

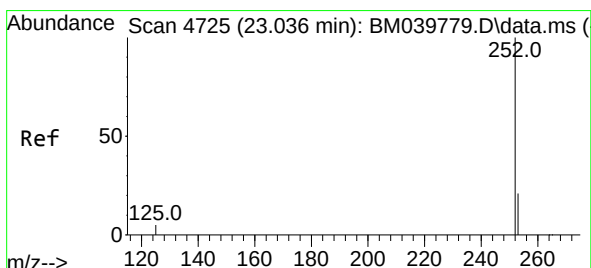
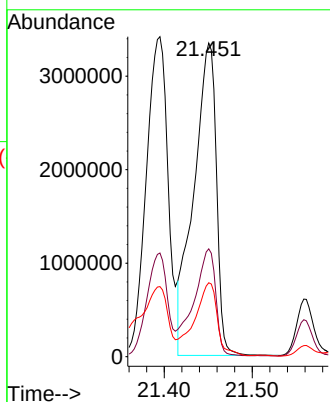
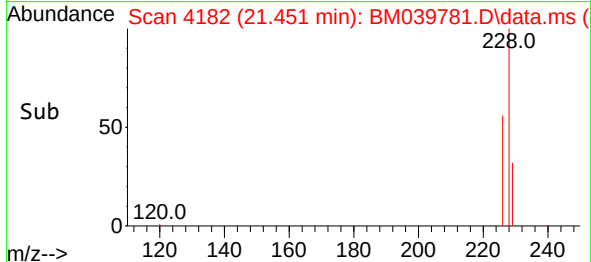
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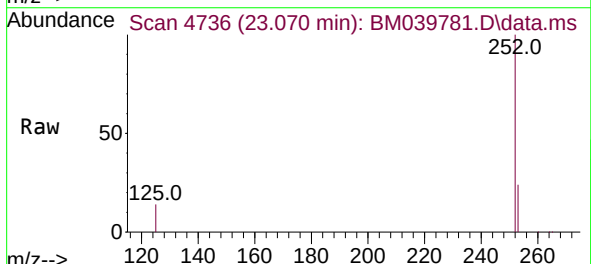
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Ion Ratio Lower Upper
228 100
226 34.4 24.3 36.5
229 23.6 15.9 23.9

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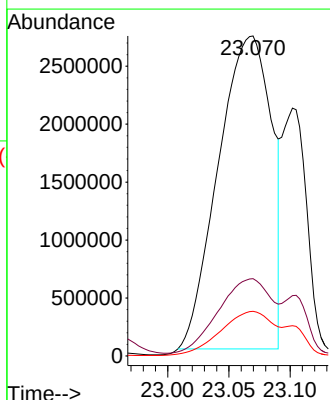
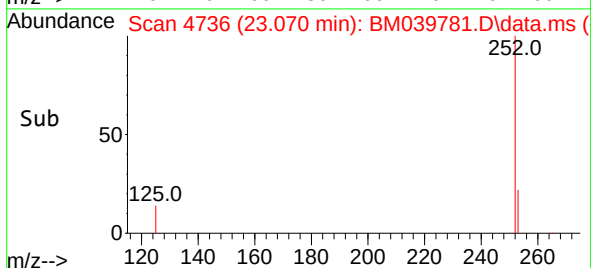
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

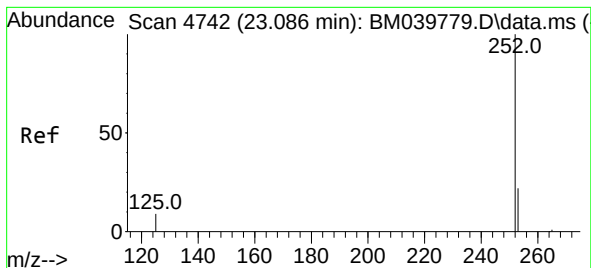


#24
Benzo(b)fluoranthene
Concen: 112.479 ng/u1
RT: 23.070 min Scan# 4736
Delta R.T. 0.038 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24



Tgt Ion:252 Resp: 8121591
Ion Ratio Lower Upper
252 100
253 24.2 0.0 52.8
125 13.9 0.0 31.6





#25

Benzo(k)fluoranthene

Concen: 40.991 ng/ul m

RT: 23.102 min Scan# 4

Delta R.T. 0.023 min

Lab File: BM039781.D

Acq: 01 May 2023 17:24

Instrument :

BNA_M

ClientSampleId :

EW902

Tgt Ion:252 Resp: 301365

Ion Ratio Lower Upper

252 100

253 24.3 21.3 31.9

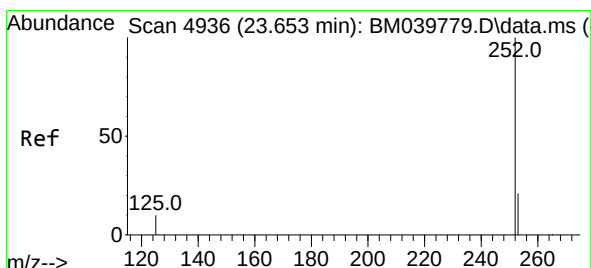
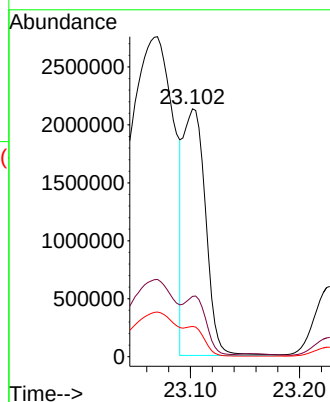
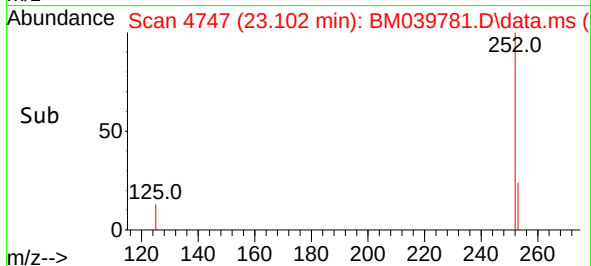
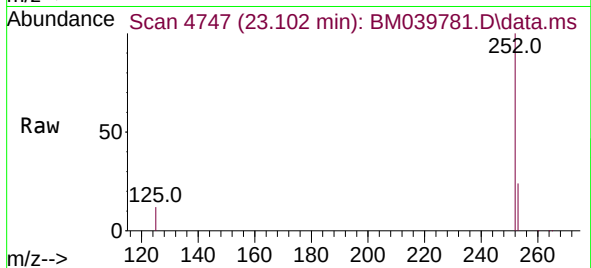
125 12.2 13.0 19.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023



#26

Benzo(a)pyrene

Concen: 87.356 ng/ul

RT: 23.678 min Scan# 4944

Delta R.T. 0.035 min

Lab File: BM039781.D

Acq: 01 May 2023 17:24

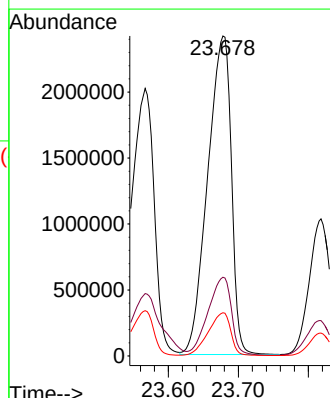
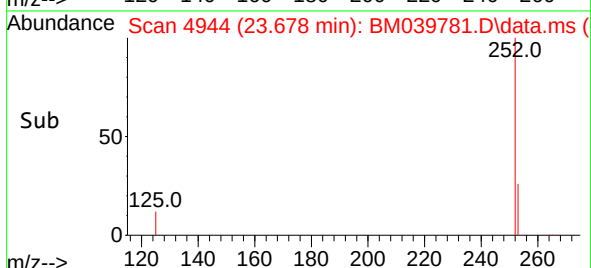
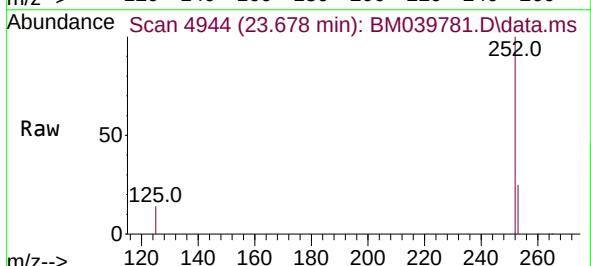
Tgt Ion:252 Resp: 5663147

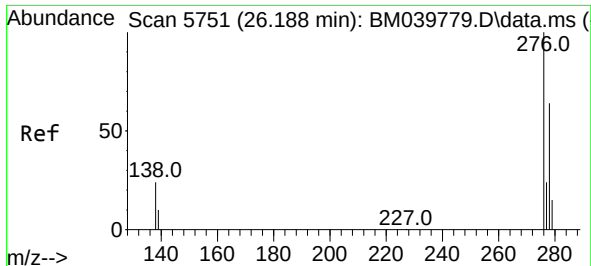
Ion Ratio Lower Upper

252 100

253 24.6 24.7 37.1#

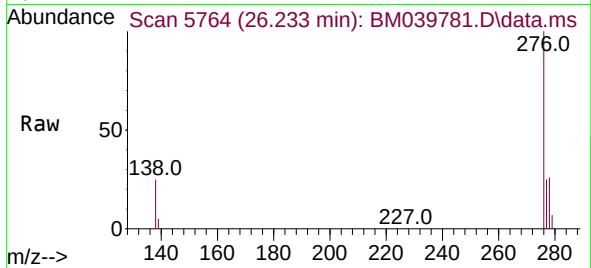
125 13.5 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 58.676 ng/ul
RT: 26.233 min Scan# 5764
Delta R.T. 0.054 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

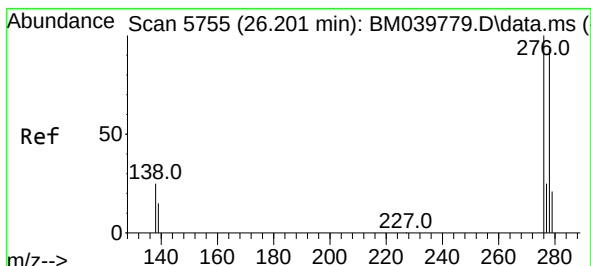
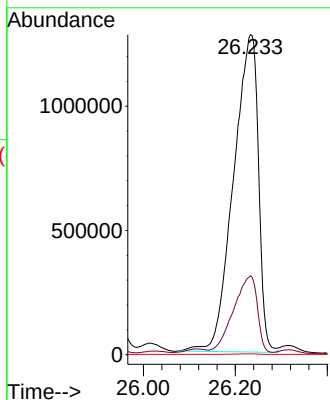
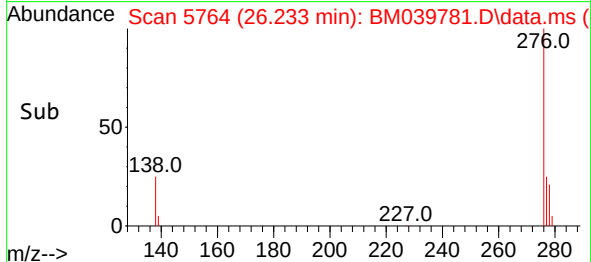
Instrument :
BNA_M
ClientSampleId :
EW902



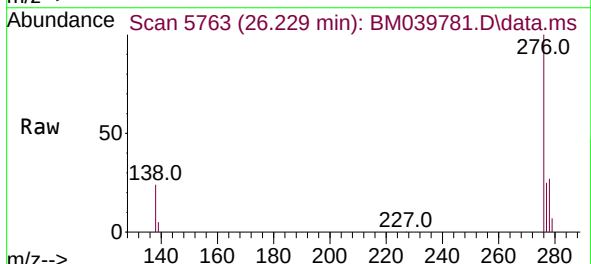
Tgt Ion:276 Resp: 480983
Ion Ratio Lower Upper
276 100
138 23.3 21.1 31.7
227 0.2 0.1 0.1

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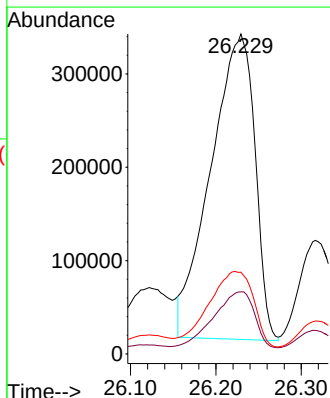
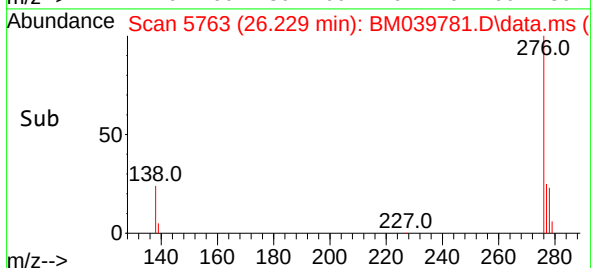
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

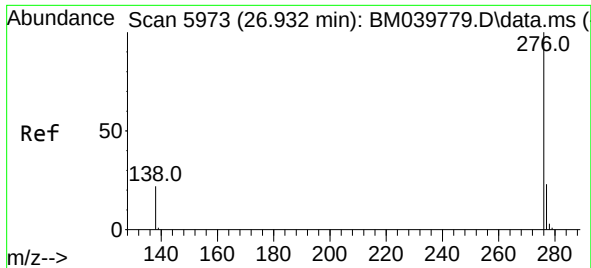


#28
Dibenzo(a,h)anthracene
Concen: 18.468 ng/ul
RT: 26.229 min Scan# 5763
Delta R.T. 0.040 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24



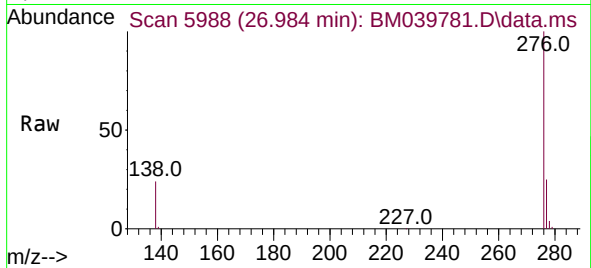
Tgt Ion:278 Resp: 1174980
Ion Ratio Lower Upper
278 100
139 19.4 17.0 25.6
279 25.5 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 57.060 ng/ul
RT: 26.984 min Scan# 5988
Delta R.T. 0.064 min
Lab File: BM039781.D
Acq: 01 May 2023 17:24

Instrument :
BNA_M
ClientSampleId :
EW902



Tgt Ion:276 Resp: 407565
Ion Ratio Lower Upper
276 100
138 24.4 20.1 30.1
277 24.9 20.1 30.1

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

