

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039790.D
 Acq On : 01 May 2023 22:50
 Operator : CG/JU
 Sample : 02418-29DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW903DL

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:28:06 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	7.796	152	3657	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.595	136	14070	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.451	164	8403	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	17780	0.400	ng/ul	0.00
17) Chrysene-d12	21.404	240	8023	0.400	ng/ul	# 0.00
23) Perylene-d12	23.757	264	10723	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	2545	0.472	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.195	152	831	0.046	ng/ul	0.00
18) Fluoranthene-d10	19.243	212	1596	0.074	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.644	128	40471	1.145	ng/ul	98
7) 2-Methylnaphthalene	12.267	142	15723	0.771	ng/ul	96
8) 1-Methylnaphthalene	12.487	142	13556	0.620	ng/ul	100
10) Acenaphthylene	14.173	152	80335	2.470	ng/ul	99
11) Acenaphthene	14.511	153	39126	1.532	ng/ul	98
12) Fluorene	15.505	166	61146	2.157	ng/ul	97
14) Pentachlorophenol	16.879	266	93	0.024	ng/ul#	71
15) Phenanthrene	17.246	178	863406	18.432	ng/ul	98
16) Anthracene	17.339	178	203631	5.063	ng/ul	97
19) Fluoranthene	19.271	202	1710478	59.759	ng/ul	100
20) Pyrene	19.638	202	1350805	43.701	ng/ul	98
21) Benzo(a)anthracene	21.386	228	667766	28.949	ng/ul	99
22) Chrysene	21.439	228	611827	23.437	ng/ul	98
24) Benzo(b)fluoranthene	23.043	252	946941	25.146	ng/ul	92
25) Benzo(k)fluoranthene	23.087	252	259484m	6.767	ng/ul	
26) Benzo(a)pyrene	23.654	252	593911	17.566	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.196	276	459364	10.745	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.196	278	117119	3.530	ng/ul	99
29) Benzo(g,h,i)perylene	26.950	276	390742	10.489	ng/ul	97

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

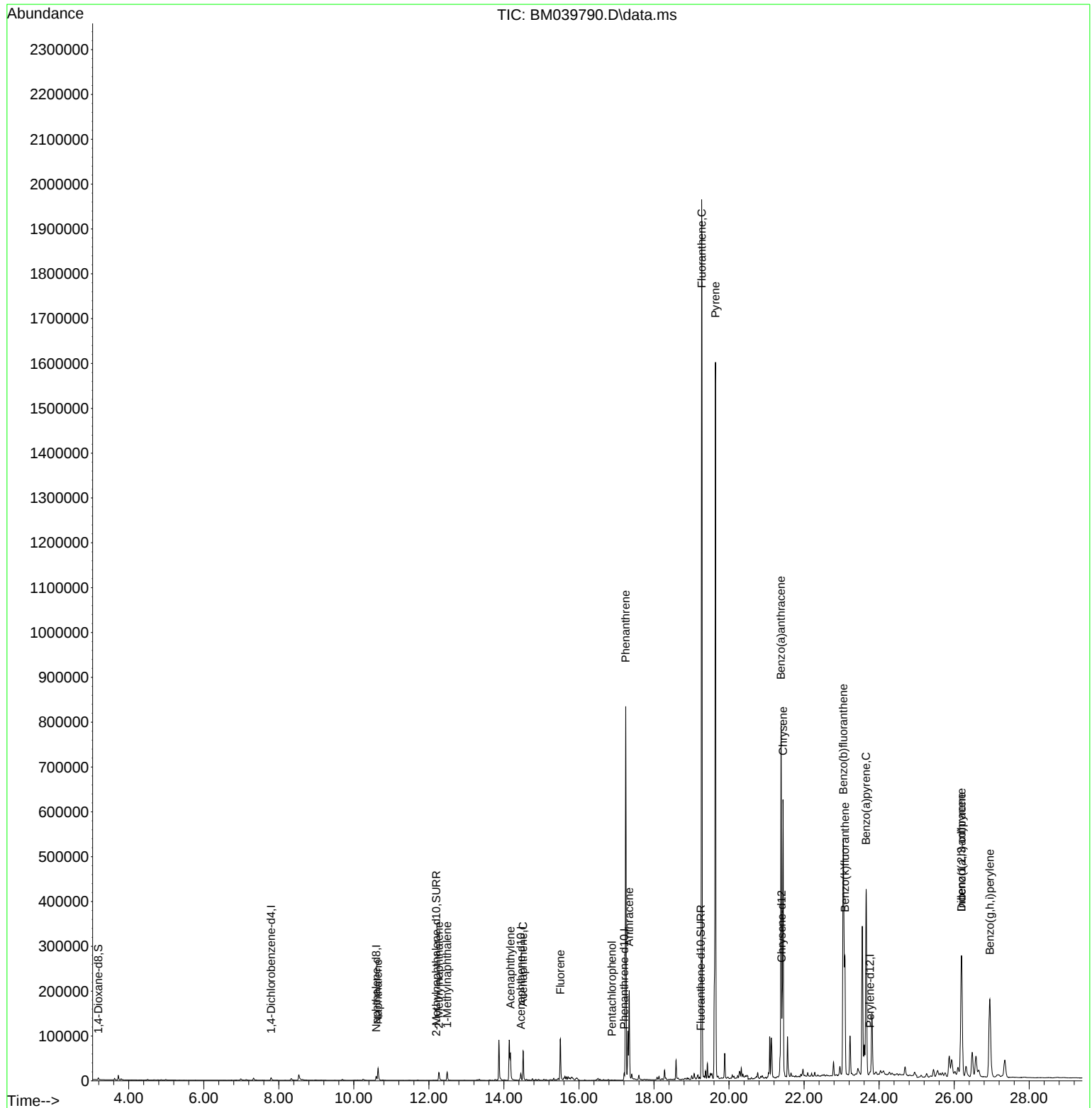
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039790.D
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ALS Vial : 21 Sample Multiplier: 1

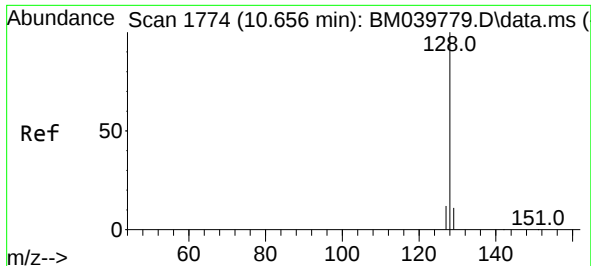
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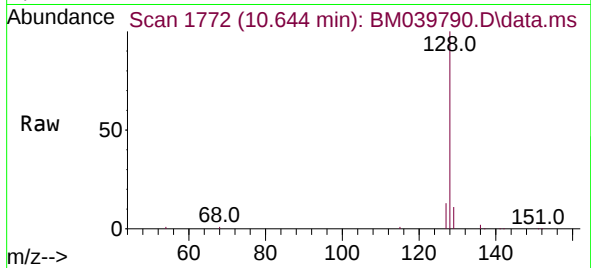
Quant Time: May 02 01:28:06 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 1.145 ng/ul
RT: 10.644 min Scan# 1772
Delta R.T. -0.011 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

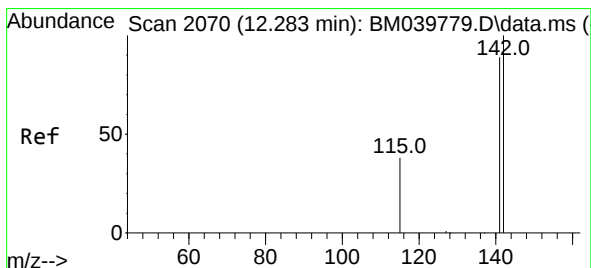
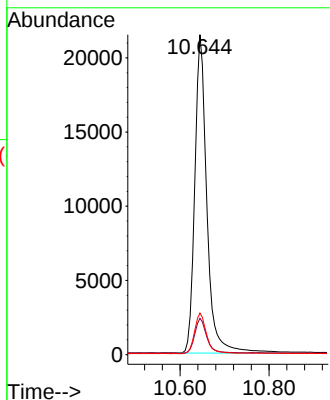
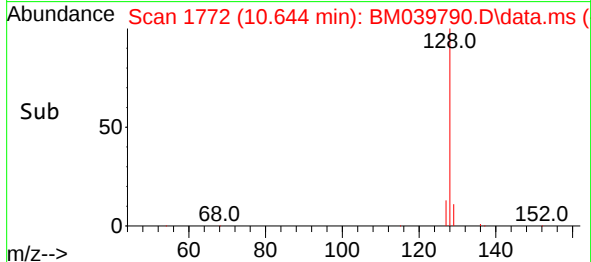
Instrument :
BNA_M
ClientSampleId :
EW903DL



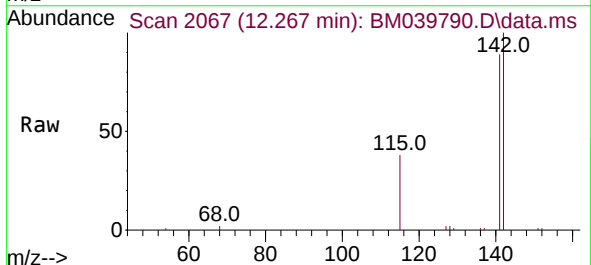
Tgt Ion:128 Resp: 4047
Ion Ratio Lower Upper
128 100
129 11.3 9.8 14.6
127 13.0 11.1 16.7

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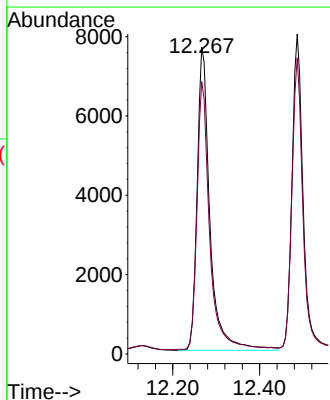
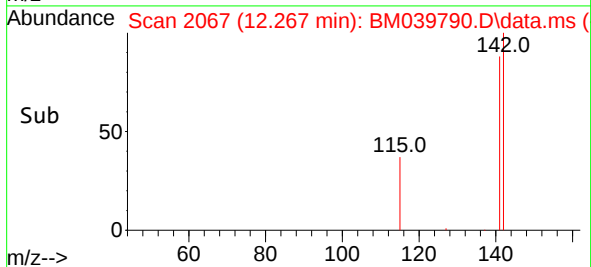
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

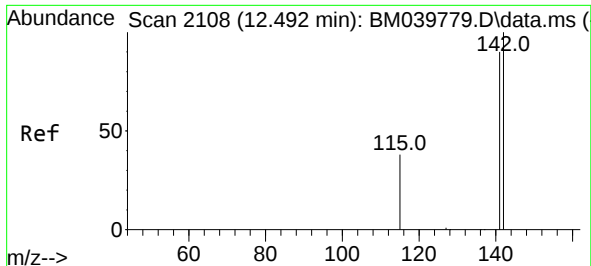


#7
2-Methylnaphthalene
Concen: 0.771 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50



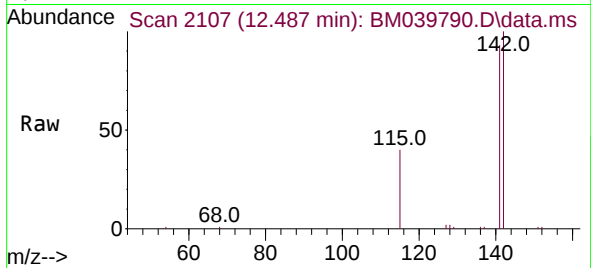
Tgt Ion:142 Resp: 15723
Ion Ratio Lower Upper
142 100
141 87.6 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.620 ng/ul
RT: 12.487 min Scan# 2108
Delta R.T. -0.005 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

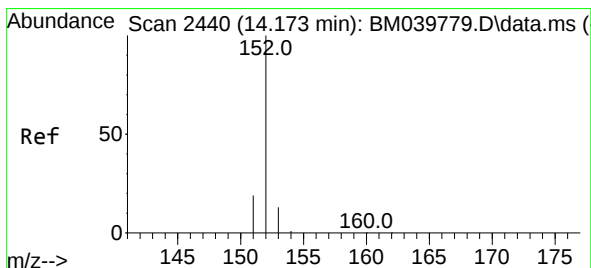
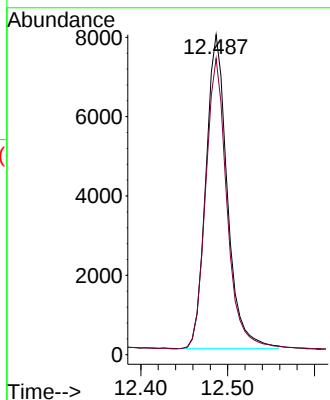
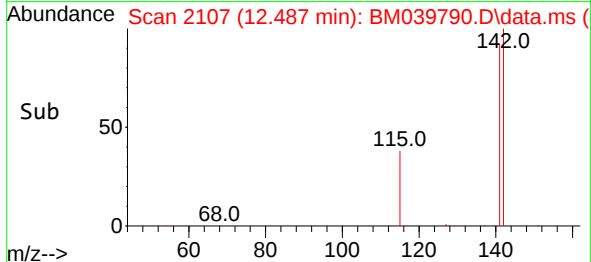
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 13550
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2

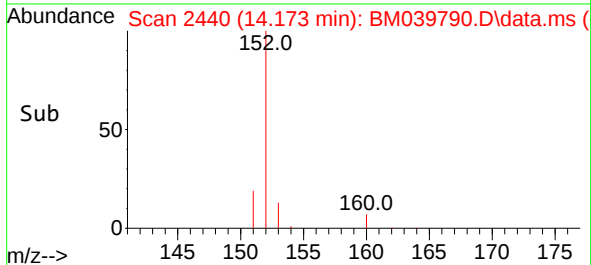
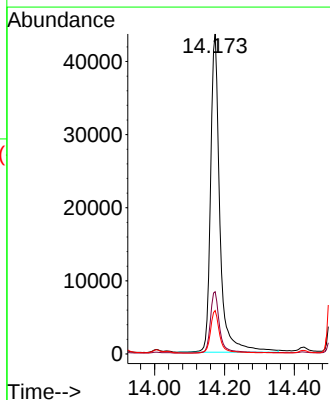
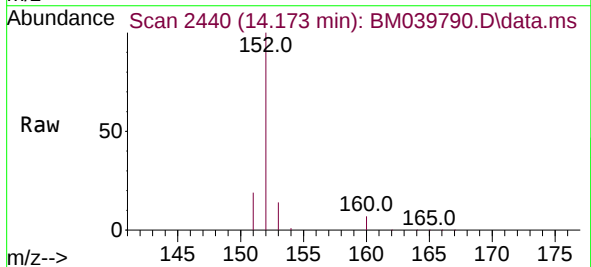
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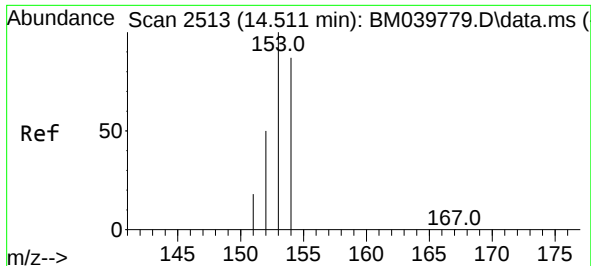
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 2.470 ng/ul
RT: 14.173 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

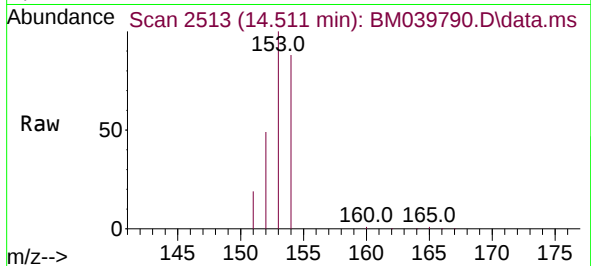
Tgt Ion:152 Resp: 80335
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 13.6 11.2 16.8





#11
Acenaphthene
Concen: 1.532 ng/u1
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

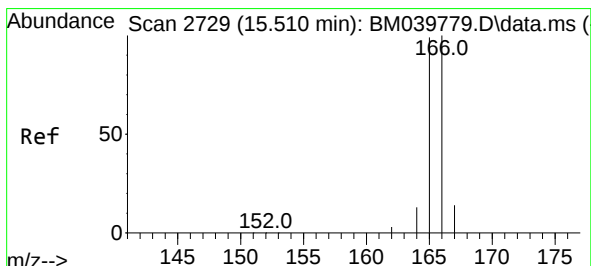
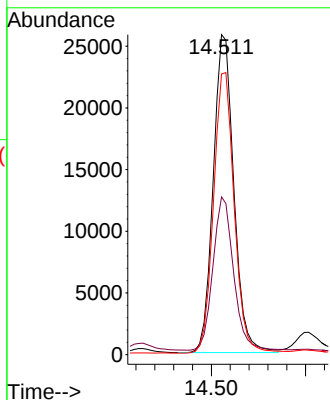
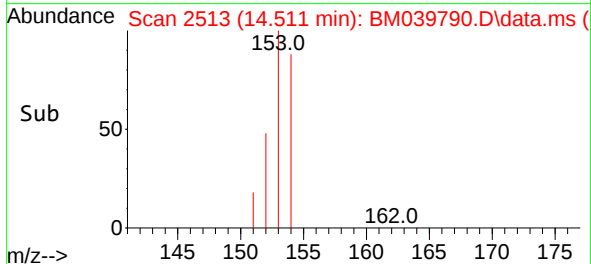
Instrument :
BNA_M
ClientSampleId :
EW903DL



Tgt Ion:153 Resp: 39120
Ion Ratio Lower Upper
153 100
152 49.3 40.6 61.0
154 87.8 71.9 107.9

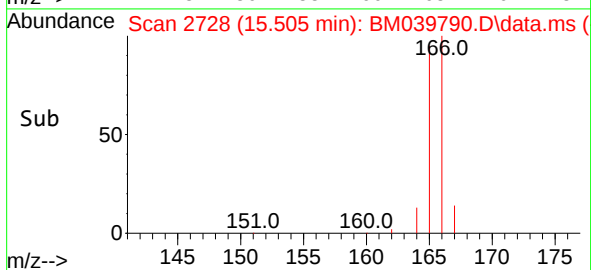
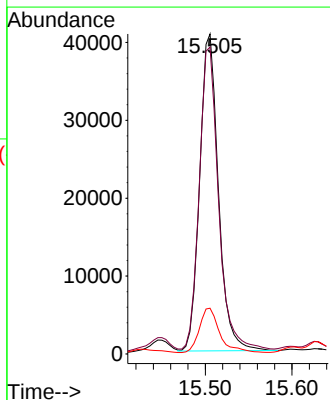
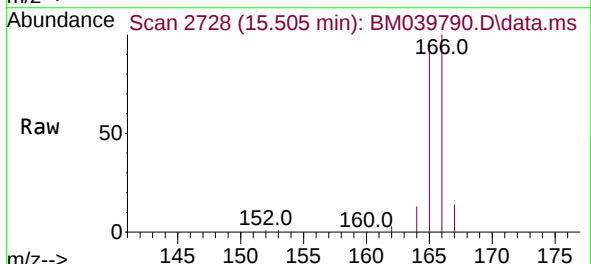
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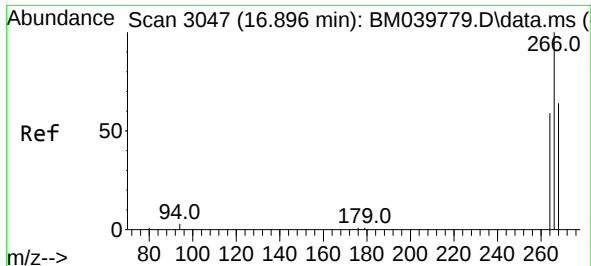
Reviewed By :Christian Giraldo 05/02/2023
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#12
Fluorene
Concen: 2.157 ng/u1
RT: 15.505 min Scan# 2728
Delta R.T. -0.005 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

Tgt Ion:166 Resp: 61146
Ion Ratio Lower Upper
166 100
165 95.9 79.0 118.6
167 14.3 11.8 17.6





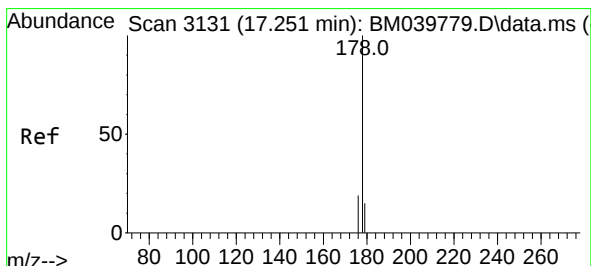
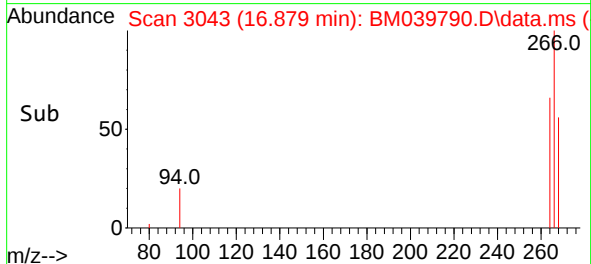
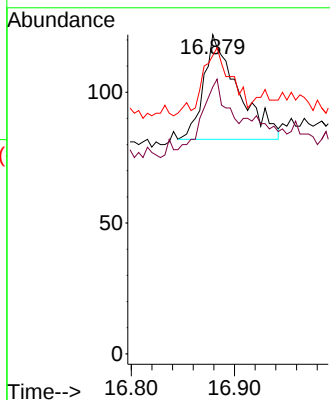
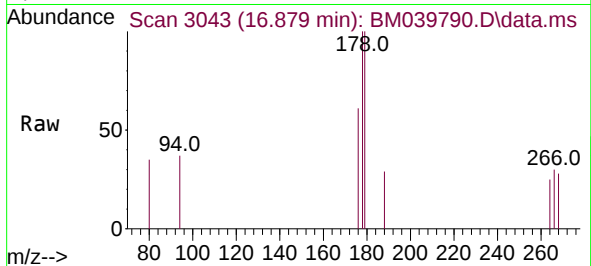
#14
 Pentachlorophenol
 Concen: 0.024 ng/u1
 RT: 16.879 min Scan# 3047
 Delta R.T. -0.008 min
 Lab File: BM039790.D
 Acq: 01 May 2023 22:50

Instrument :
 BNA_M
 ClientSampleId :
 EW903DL

Tgt Ion:266 Resp: 91
 Ion Ratio Lower Upper
 266 100
 264 98.9 48.8 73.2
 268 55.9 50.4 75.6

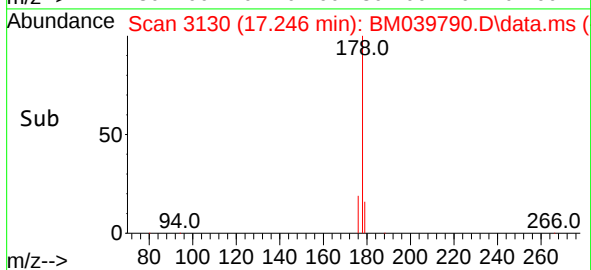
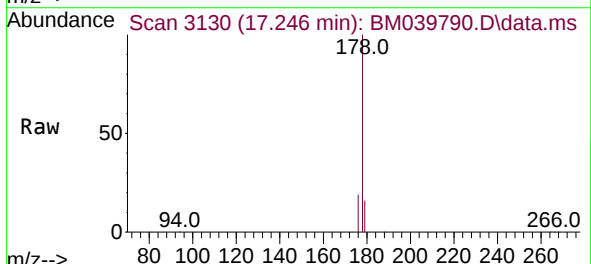
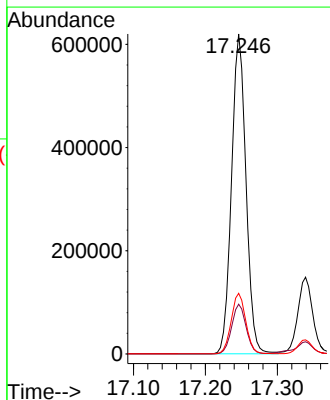
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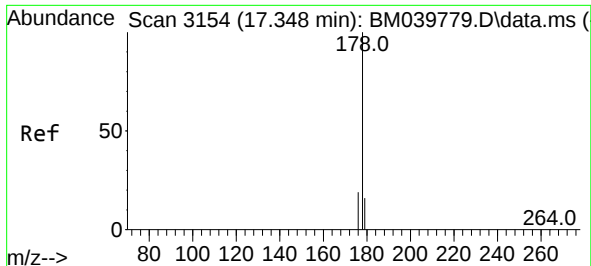
Reviewed By :Christian Giraldo 05/02/2023
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#15
 Phenanthrene
 Concen: 18.432 ng/u1
 RT: 17.246 min Scan# 3130
 Delta R.T. 0.000 min
 Lab File: BM039790.D
 Acq: 01 May 2023 22:50

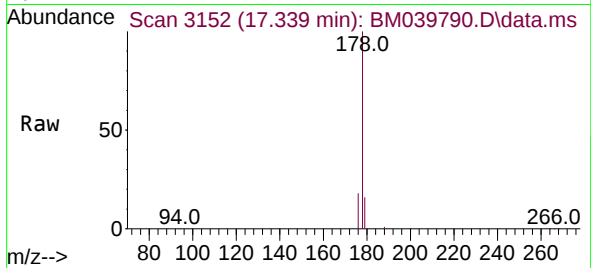
Tgt Ion:178 Resp: 863406
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.0 19.6
 176 19.0 15.8 23.8





#16
 Anthracene
 Concen: 5.063 ng/ul
 RT: 17.339 min Scan# 3152
 Delta R.T. -0.004 min
 Lab File: BM039790.D
 Acq: 01 May 2023 22:50

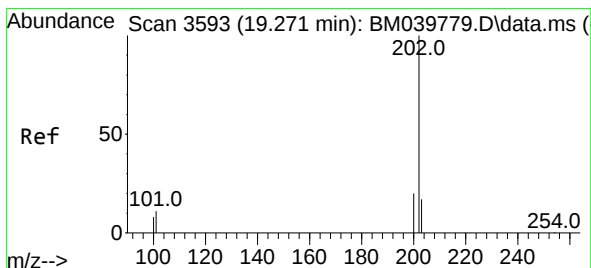
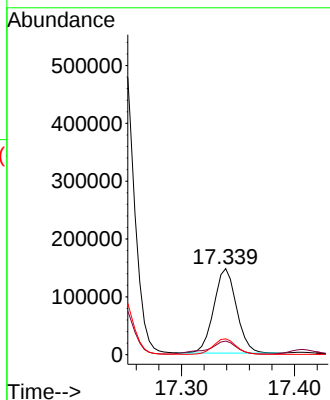
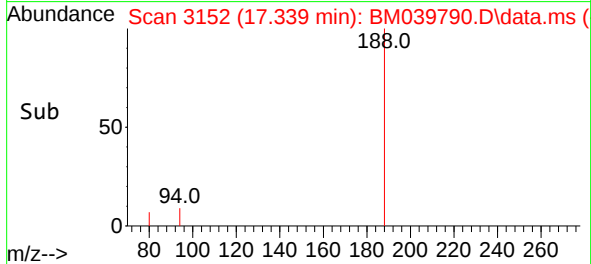
Instrument :
 BNA_M
 ClientSampleId :
 EW903DL



Tgt Ion:178 Resp: 20363
 Ion Ratio Lower Upper
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 176 18.5 15.8 23.8

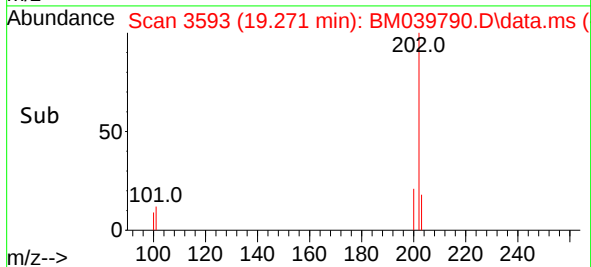
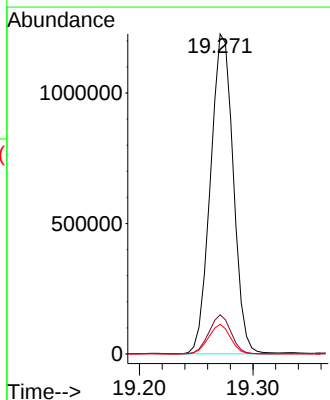
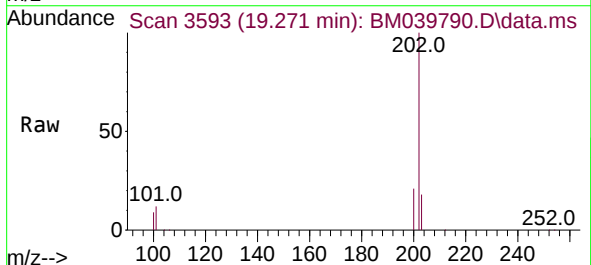
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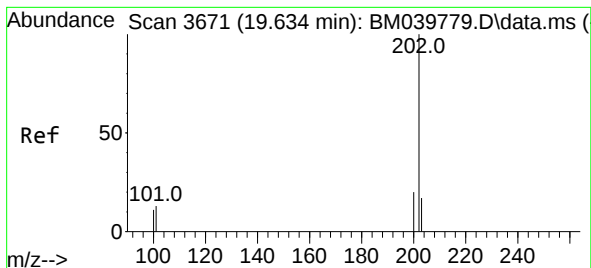
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#19
 Fluoranthene
 Concen: 59.759 ng/ul
 RT: 19.271 min Scan# 3593
 Delta R.T. 0.005 min
 Lab File: BM039790.D
 Acq: 01 May 2023 22:50

Tgt Ion:202 Resp: 1710478
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.8 14.8
 100 9.2 7.3 10.9





#20

Pyrene

Concen: 43.701 ng/ul

RT: 19.638 min Scan# 3

Delta R.T. 0.005 min

Lab File: BM039790.D

Acq: 01 May 2023 22:50

Instrument :

BNA_M

ClientSampleId :

EW903DL

Tgt Ion:202 Resp: 135080

Ion Ratio Lower Upper

202 100

101 13.0 10.9 16.3

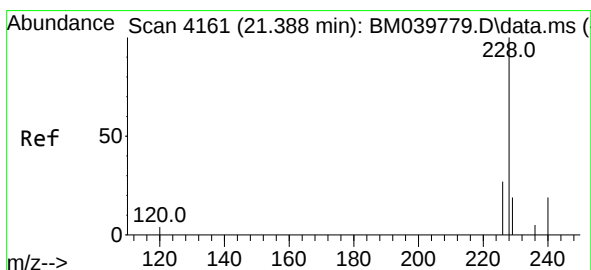
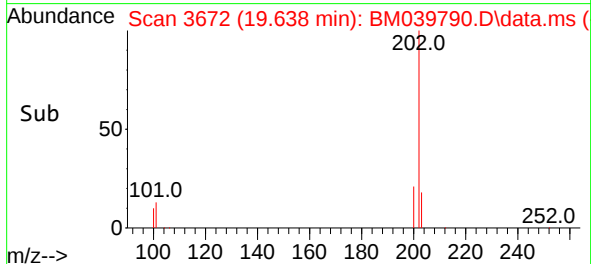
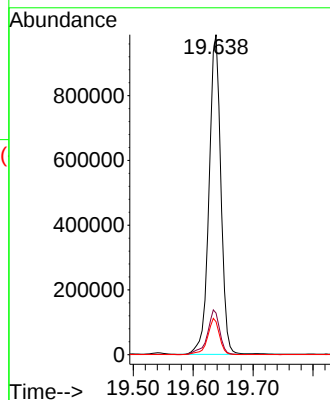
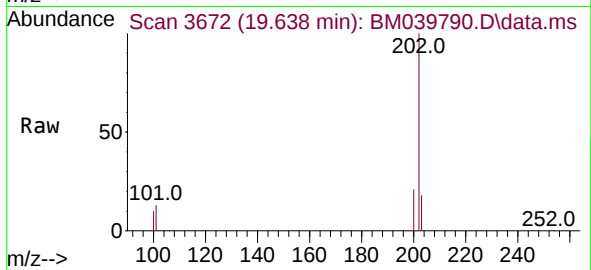
100 10.3 8.9 13.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2023



#21

Benzo(a)anthracene

Concen: 28.949 ng/ul

RT: 21.386 min Scan# 4160

Delta R.T. 0.003 min

Lab File: BM039790.D

Acq: 01 May 2023 22:50

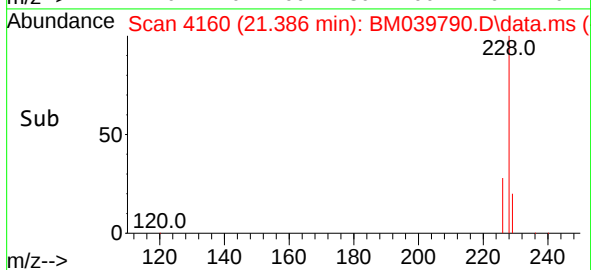
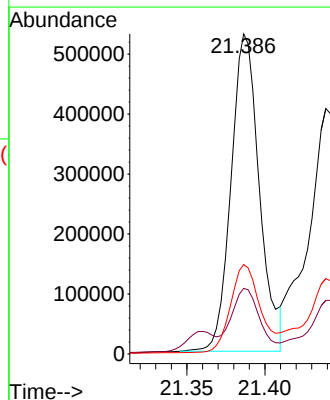
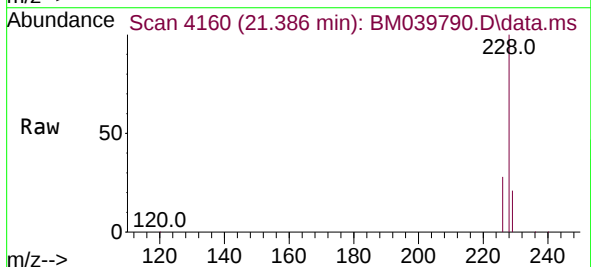
Tgt Ion:228 Resp: 667766

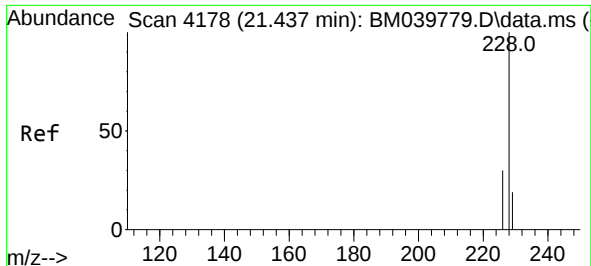
Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.2

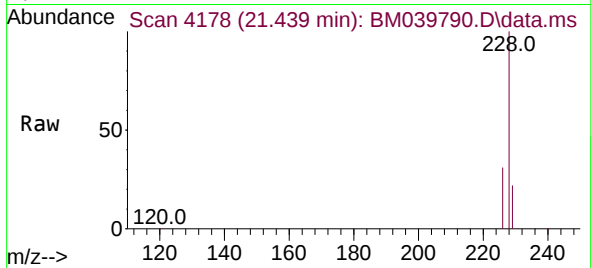
226 28.0 21.6 32.4





#22
Chrysene
Concen: 23.437 ng/u1
RT: 21.439 min Scan# 4178
Delta R.T. 0.003 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

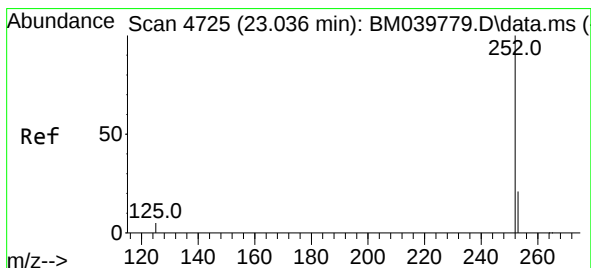
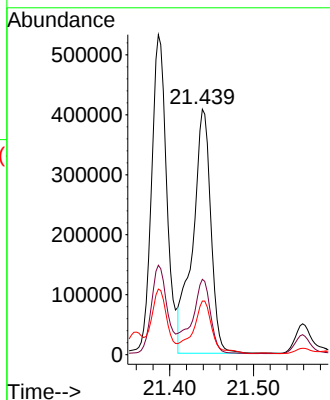
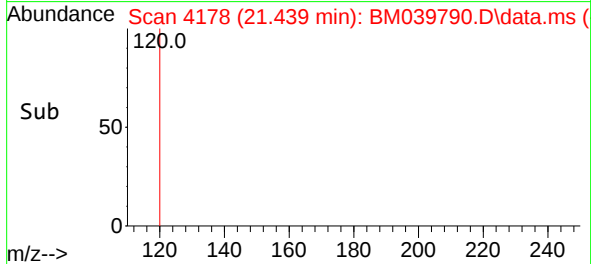
Instrument :
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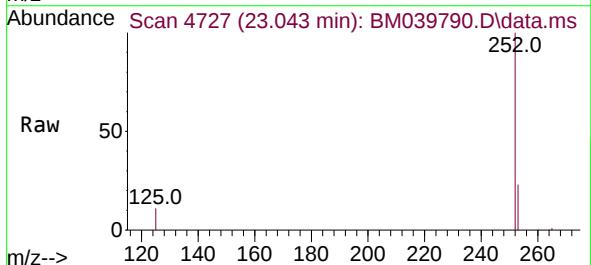
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Ion Ratio Lower Upper
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229 21.8 15.9 23.9

Manual Integrations
APPROVED

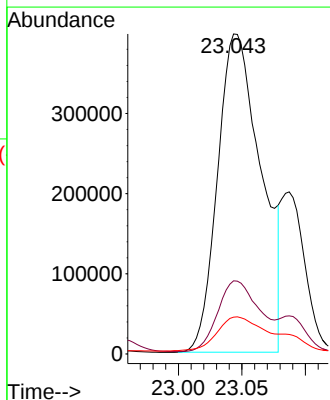
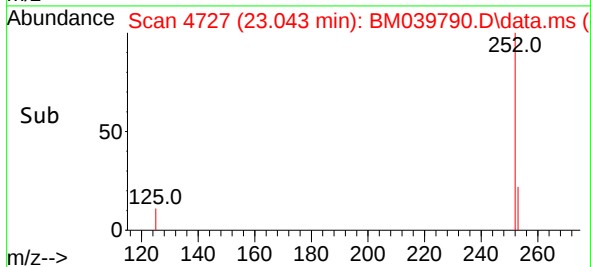
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

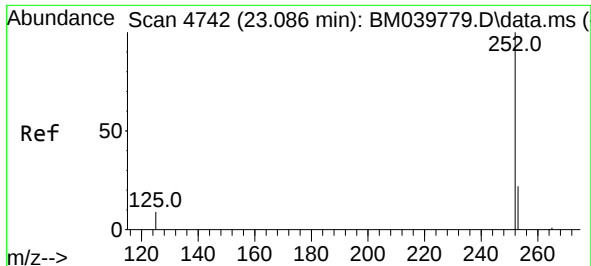


#24
Benzo(b)fluoranthene
Concen: 25.146 ng/u1
RT: 23.043 min Scan# 4727
Delta R.T. 0.012 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50



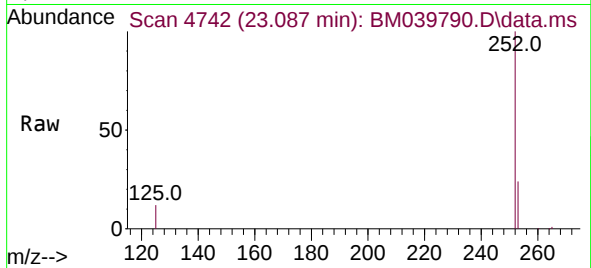
Tgt Ion:252 Resp: 946941
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 11.5 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 6.767 ng/ul m
RT: 23.087 min Scan# 4742
Delta R.T. 0.009 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

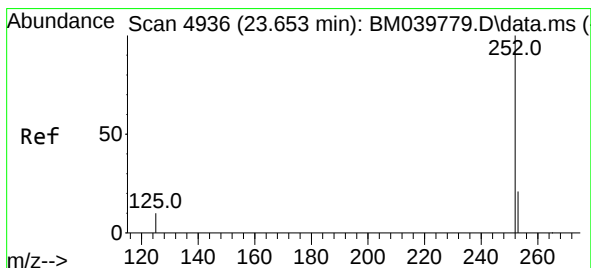
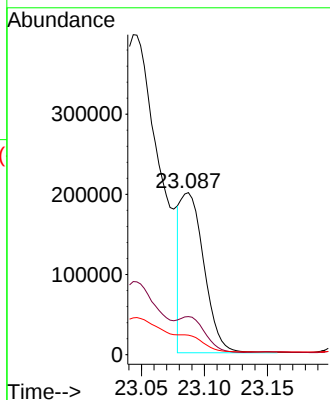
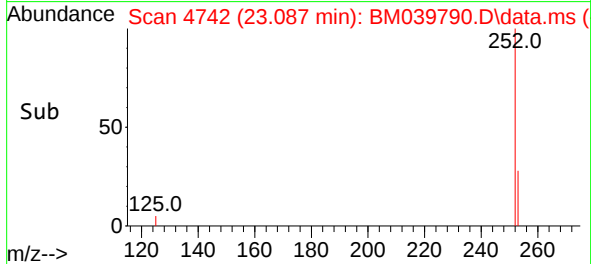
Instrument :
BNA_M
ClientSampleId :
EW903DL



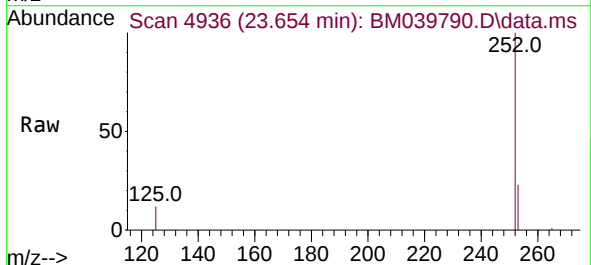
Tgt Ion:252 Resp: 259484
Ion Ratio Lower Upper
252 100
253 23.5 21.3 31.9
125 12.1 13.0 19.6

Manual Integrations
APPROVED

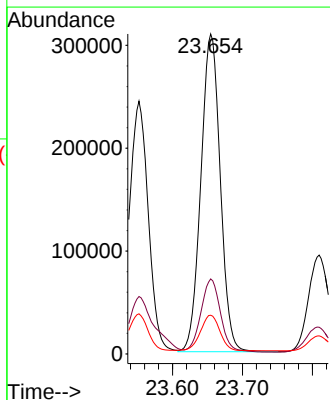
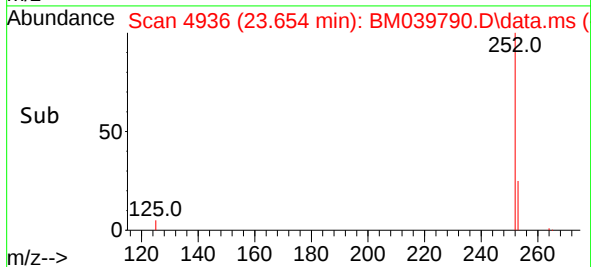
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

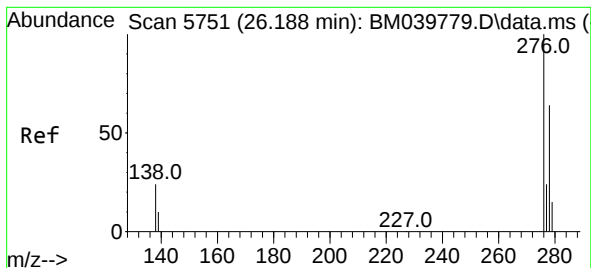


#26
Benzo(a)pyrene
Concen: 17.566 ng/ul
RT: 23.654 min Scan# 4936
Delta R.T. 0.012 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50



Tgt Ion:252 Resp: 593911
Ion Ratio Lower Upper
252 100
253 23.5 24.7 37.1#
125 12.1 16.5 24.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 10.745 ng/ul

RT: 26.196 min Scan# 5753

Delta R.T. 0.017 min

Lab File: BM039790.D

Acq: 01 May 2023 22:50

Instrument :

BNA_M

ClientSampleId :

EW903DL

Tgt Ion:276 Resp: 459364

Ion Ratio Lower Upper

276 100

138 22.0 21.1 31.7

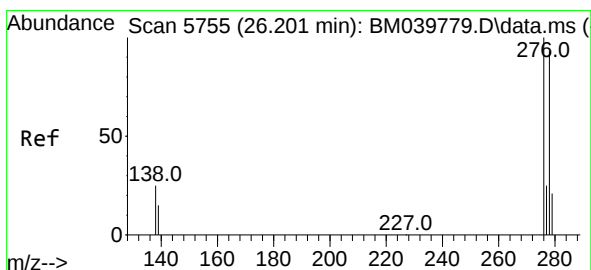
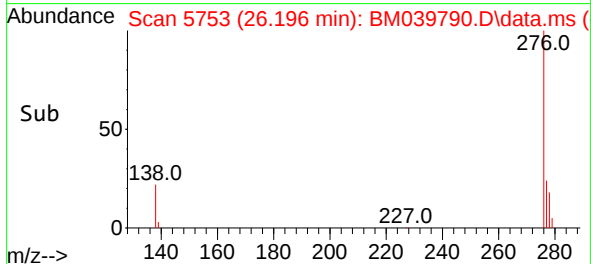
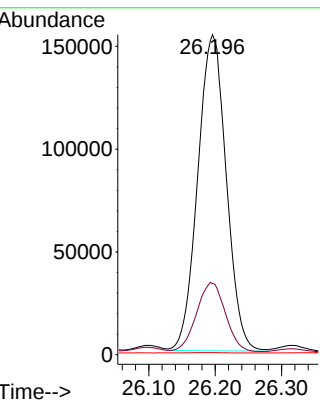
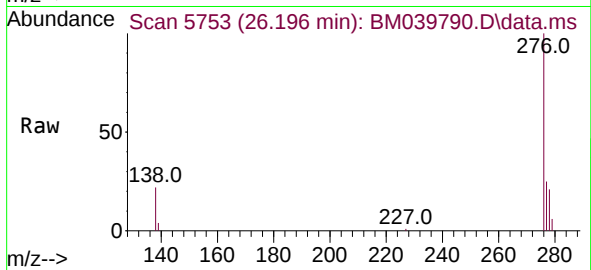
227 0.1 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023



#28

Dibenzo(a,h)anthracene

Concen: 3.530 ng/ul

RT: 26.196 min Scan# 5753

Delta R.T. 0.007 min

Lab File: BM039790.D

Acq: 01 May 2023 22:50

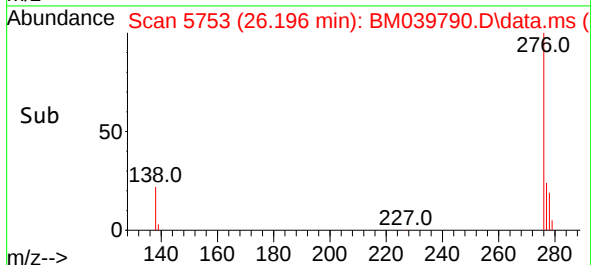
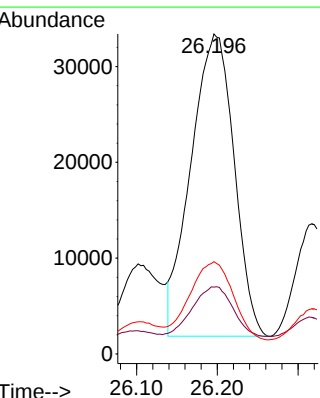
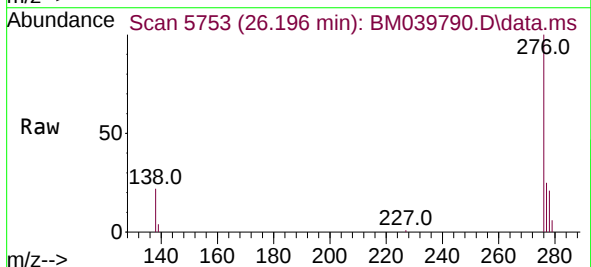
Tgt Ion:278 Resp: 117119

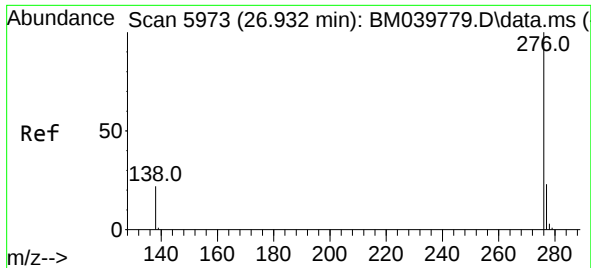
Ion Ratio Lower Upper

278 100

139 20.9 17.0 25.6

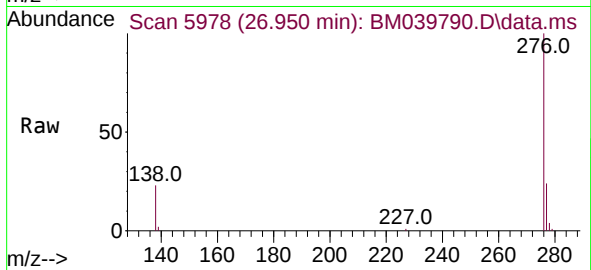
279 28.9 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 10.489 ng/ul
RT: 26.950 min Scan# 5978
Delta R.T. 0.030 min
Lab File: BM039790.D
Acq: 01 May 2023 22:50

Instrument :
BNA_M
ClientSampleId :
EW903DL



Tgt Ion:276 Resp: 39074
Ion Ratio Lower Upper
276 100
138 23.0 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

