

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039795.D
 Acq On : 02 May 2023 01:51
 Operator : CG/JU
 Sample : 02417-17DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW8Y3DL

Manual Integrations
 APPROVED

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

Quant Time: May 02 03:00:56 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	4023	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.595	136	15431	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.451	164	9186	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	19316	0.400	ng/ul	0.00
17) Chrysene-d12	21.402	240	8837	0.400	ng/ul	# 0.00
23) Perylene-d12	23.755	264	10288	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	2660	0.449	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152	874	0.044	ng/ul	0.00
18) Fluoranthene-d10	19.239	212	1690	0.071	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.645	128	8609	0.222	ng/ul	99
7) 2-Methylnaphthalene	12.272	142	4771	0.213	ng/ul	97
8) 1-Methylnaphthalene	12.487	142	5148	0.215	ng/ul	98
10) Acenaphthylene	14.173	152	25793	0.725	ng/ul	100
11) Acenaphthene	14.511	153	25491	0.913	ng/ul	98
12) Fluorene	15.505	166	35742	1.154	ng/ul	98
15) Phenanthrene	17.242	178	645632	12.687	ng/ul	98
16) Anthracene	17.339	178	128143	2.933	ng/ul	97
19) Fluoranthene	19.271	202	1169375	37.091	ng/ul	97
20) Pyrene	19.634	202	895248	26.295	ng/ul	100
21) Benzo(a)anthracene	21.385	228	399526	15.725	ng/ul	99
22) Chrysene	21.437	228	363812	12.653	ng/ul	98
24) Benzo(b)fluoranthene	23.042	252	468550m	12.968	ng/ul	
25) Benzo(k)fluoranthene	23.083	252	148713m	4.042	ng/ul	
26) Benzo(a)pyrene	23.650	252	308208	9.501	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.191	276	221328	5.396	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.194	278	56294	1.768	ng/ul	98
29) Benzo(g,h,i)perylene	26.945	276	178691	5.000	ng/ul	98

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

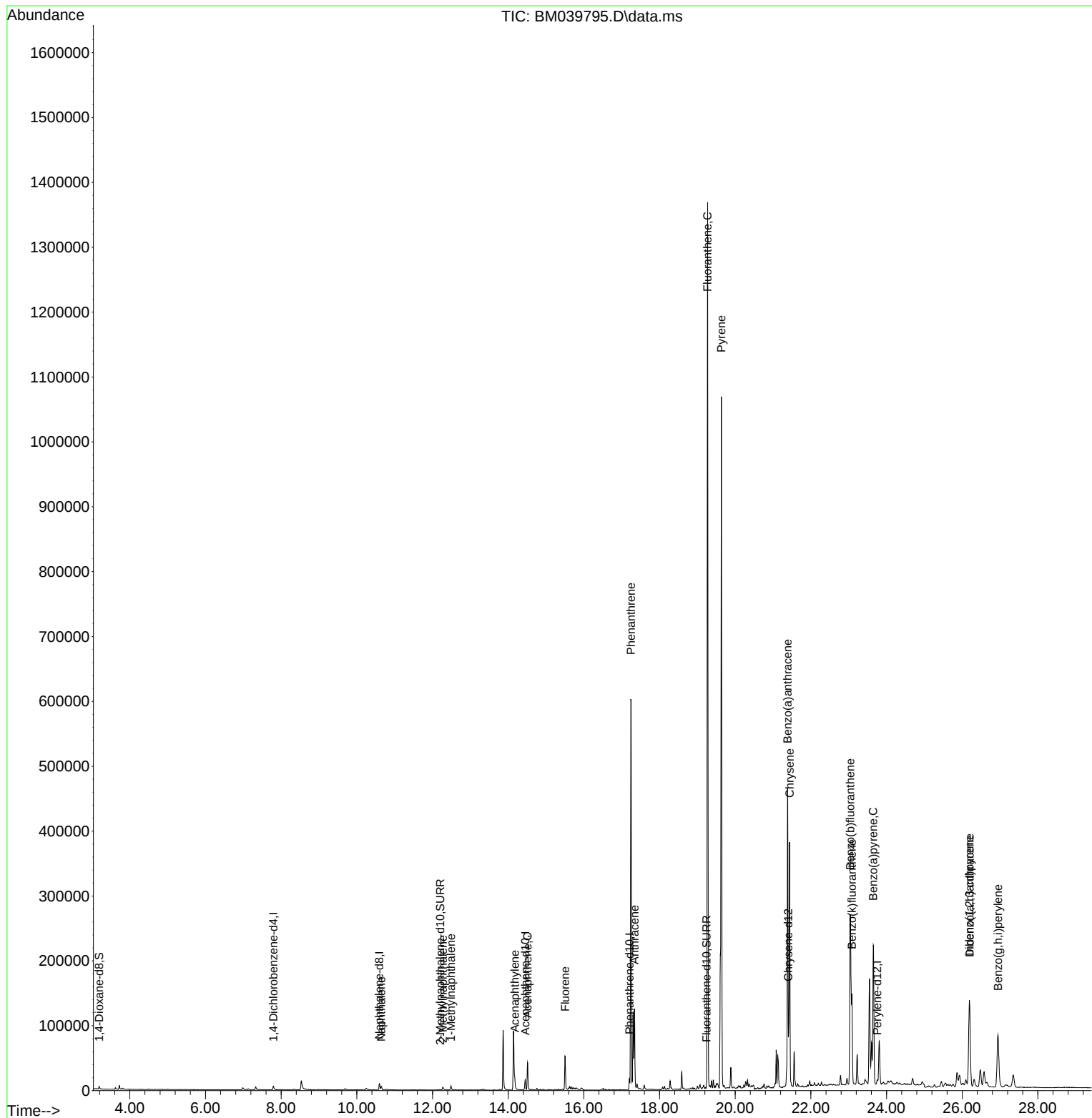
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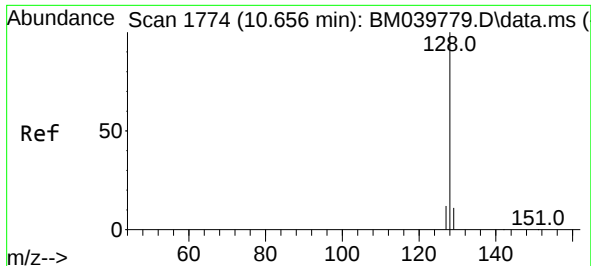
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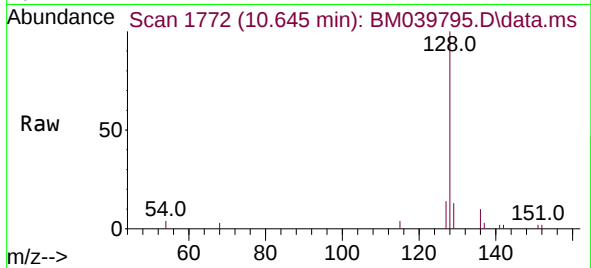
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023





#5
Naphthalene
Concen: 0.222 ng/ul
RT: 10.645 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

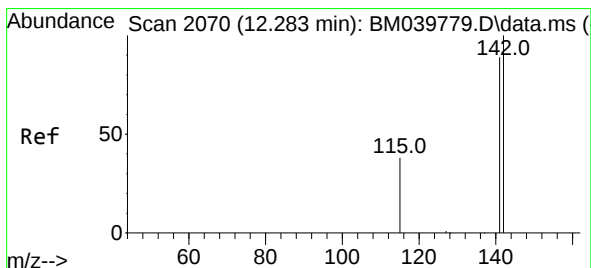
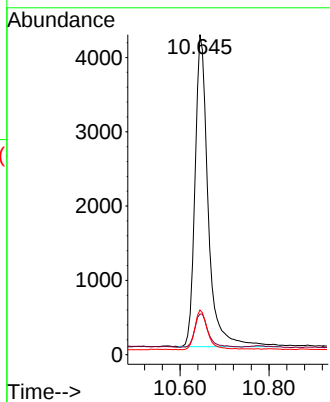
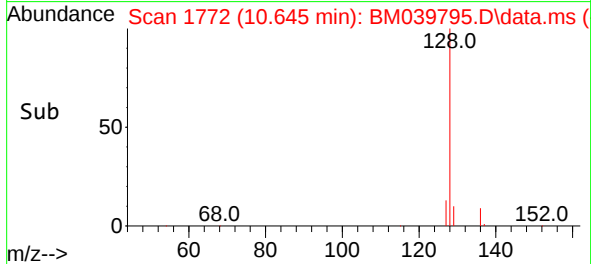
Instrument :
BNA_M
ClientSampleId :
EW8Y3DL



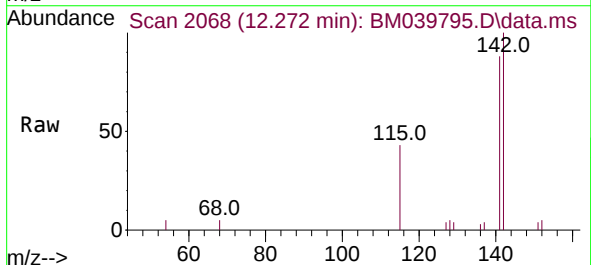
Tgt Ion:128 Resp: 8609
Ion Ratio Lower Upper
128 100
129 12.7 9.8 14.6
127 14.0 11.1 16.7

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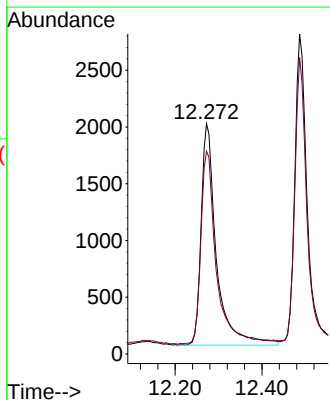
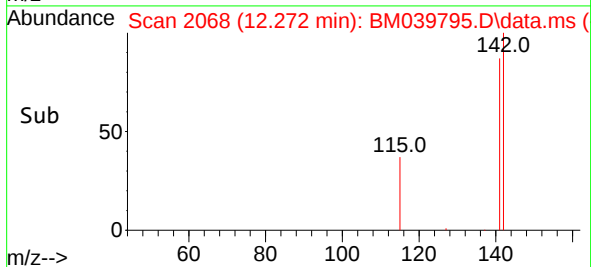
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

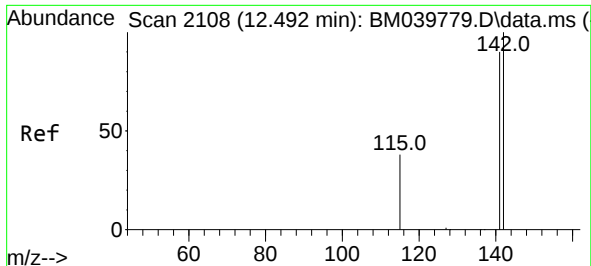


#7
2-Methylnaphthalene
Concen: 0.213 ng/ul
RT: 12.272 min Scan# 2068
Delta R.T. -0.005 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51



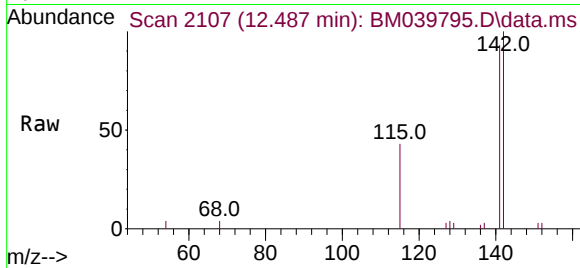
Tgt Ion:142 Resp: 4771
Ion Ratio Lower Upper
142 100
141 89.0 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.215 ng/ul
RT: 12.487 min Scan# 2108
Delta R.T. -0.005 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

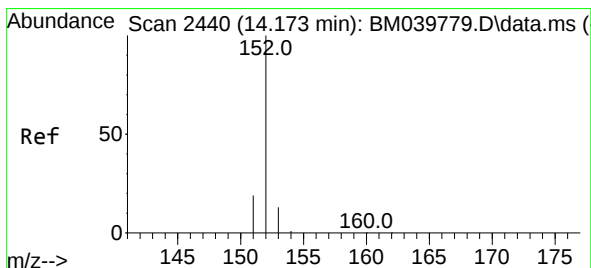
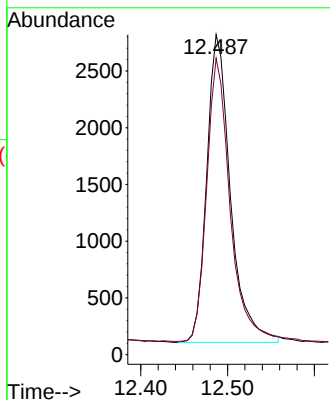
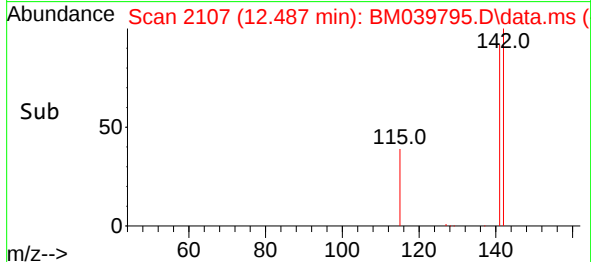
Instrument :
BNA_M
ClientSampleId :
EW8Y3DL



Tgt Ion:142 Resp: 5148
Ion Ratio Lower Upper
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141 90.3 73.4 110.2

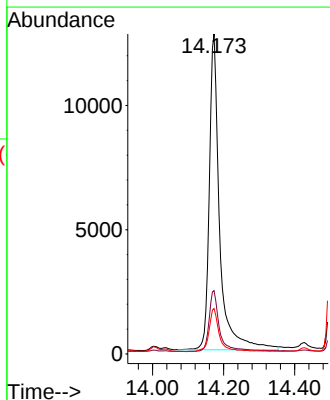
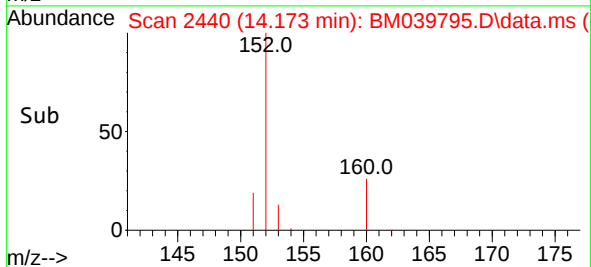
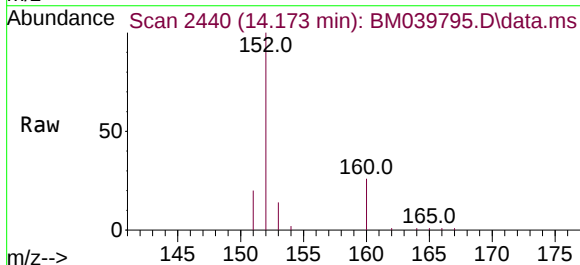
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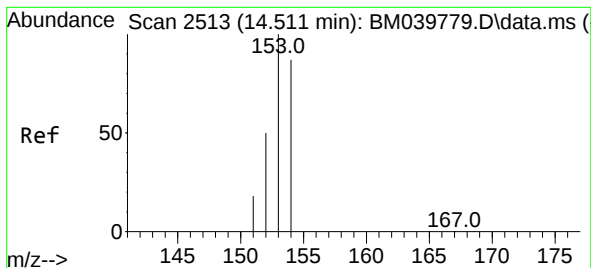
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 0.725 ng/ul
RT: 14.173 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

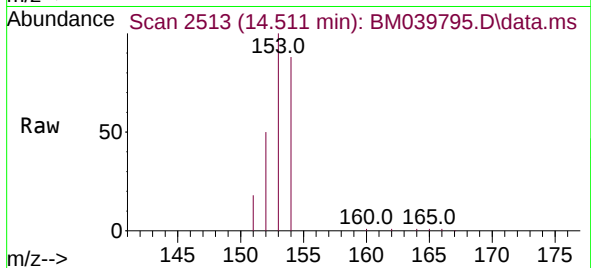
Tgt Ion:152 Resp: 25793
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 14.2 11.2 16.8





#11
Acenaphthene
Concen: 0.913 ng/ul
RT: 14.511 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

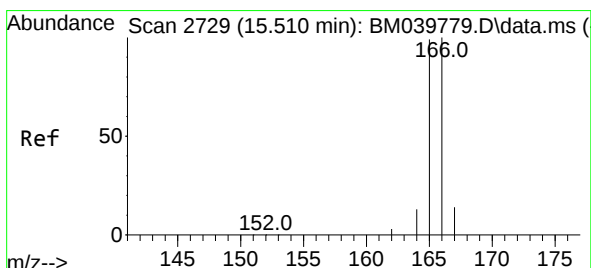
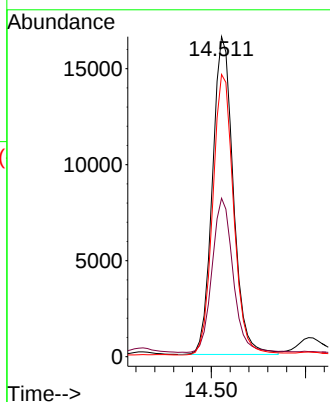
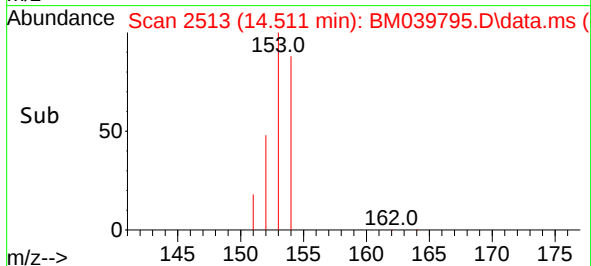
Instrument :
BNA_M
ClientSampleId :
EW8Y3DL



Tgt Ion:153 Resp: 2549
Ion Ratio Lower Upper
153 100
152 49.5 40.6 61.0
154 88.2 71.9 107.9

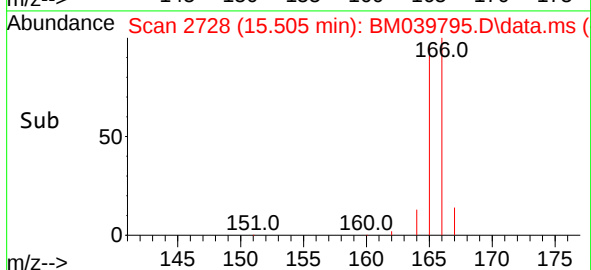
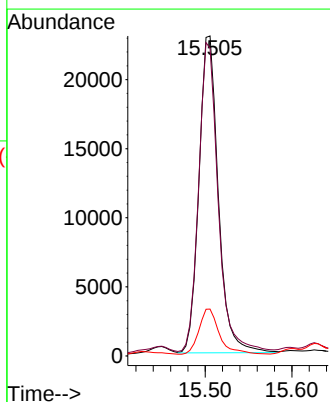
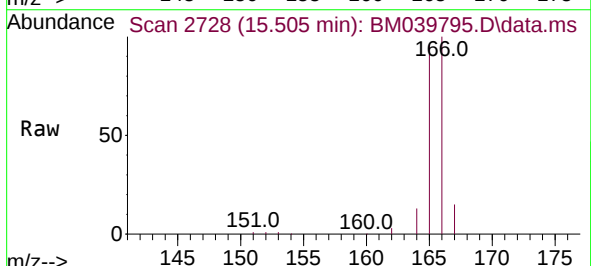
Manual Integrations
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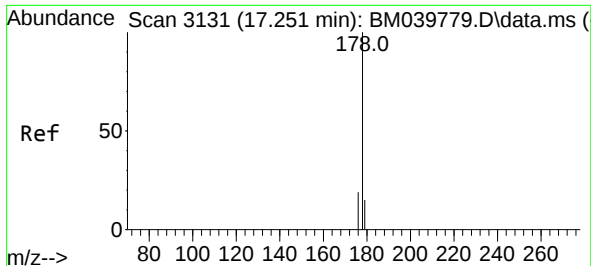
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 1.154 ng/ul
RT: 15.505 min Scan# 2728
Delta R.T. -0.004 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

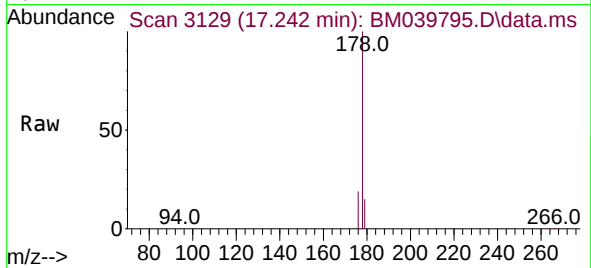
Tgt Ion:166 Resp: 35742
Ion Ratio Lower Upper
166 100
165 96.2 79.0 118.6
167 14.7 11.8 17.6





#15
Phenanthrene
Concen: 12.687 ng/ul
RT: 17.242 min Scan# 3131
Delta R.T. -0.004 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

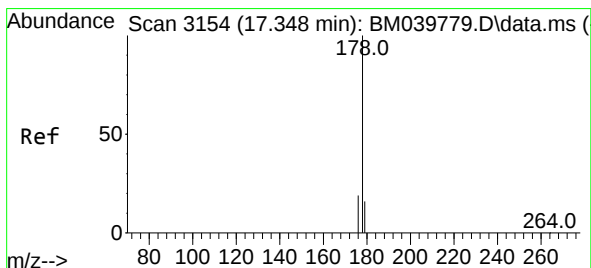
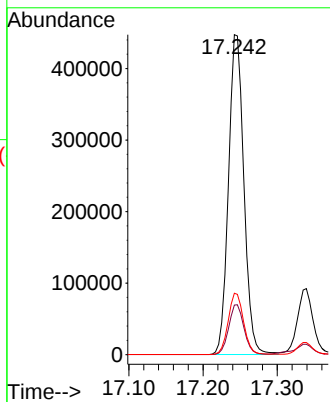
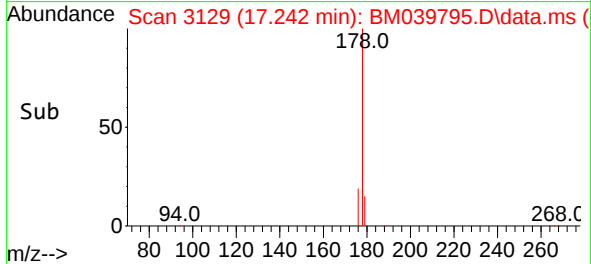
Instrument :
BNA_M
ClientSampleId :
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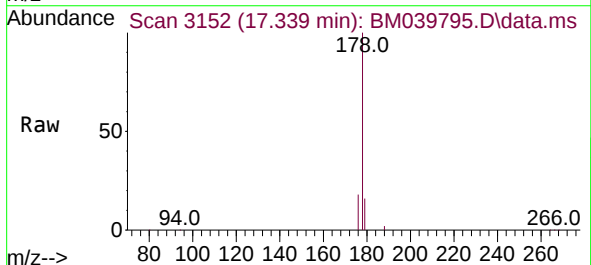
Tgt Ion:178 Resp: 645632
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.6
176 19.2 15.8 23.8

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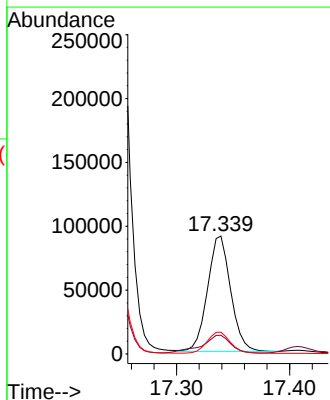
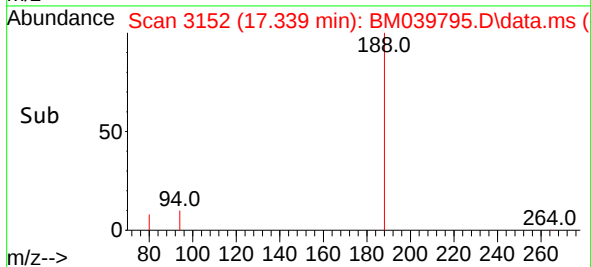
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

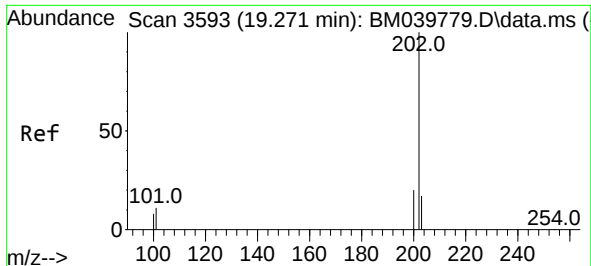


#16
Anthracene
Concen: 2.933 ng/ul
RT: 17.339 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51



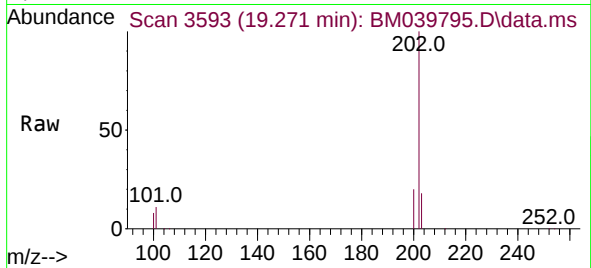
Tgt Ion:178 Resp: 128143
Ion Ratio Lower Upper
178 100
179 15.8 13.8 20.6
176 18.5 15.8 23.8





#19
Fluoranthene
Concen: 37.091 ng/u1
RT: 19.271 min Scan# 3593
Delta R.T. 0.005 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

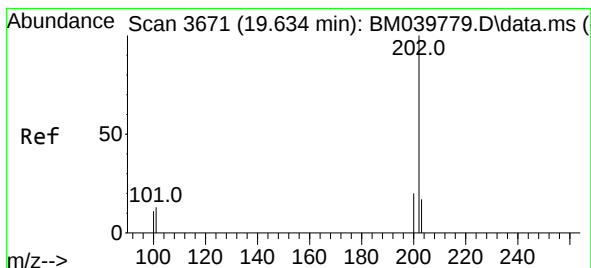
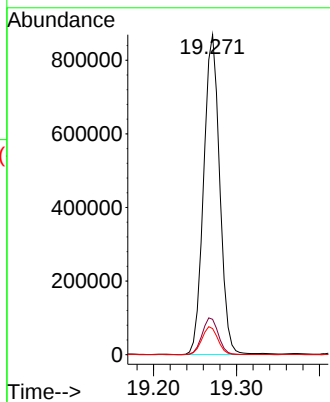
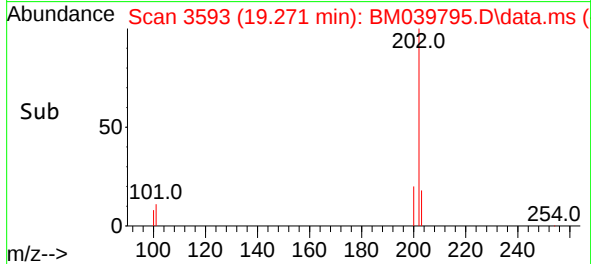
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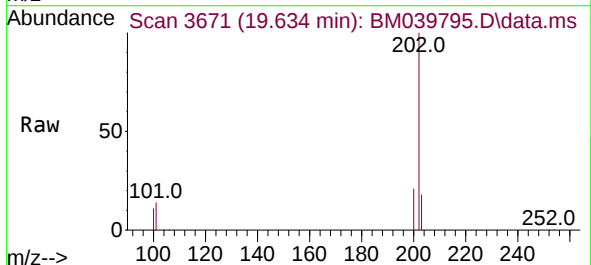
Tgt Ion:202 Resp: 116937
Ion Ratio Lower Upper
202 100
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100 8.2 7.3 10.9

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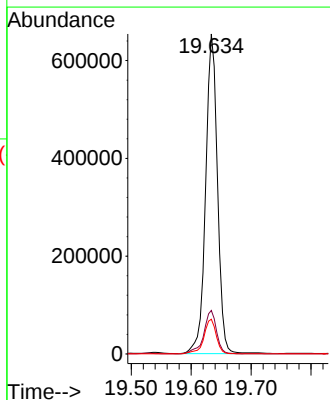
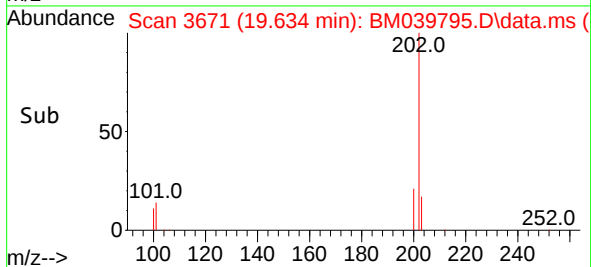
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

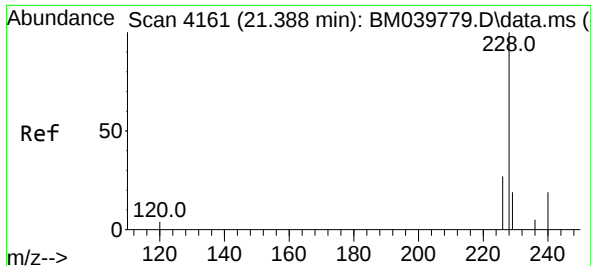


#20
Pyrene
Concen: 26.295 ng/u1
RT: 19.634 min Scan# 3671
Delta R.T. 0.000 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51



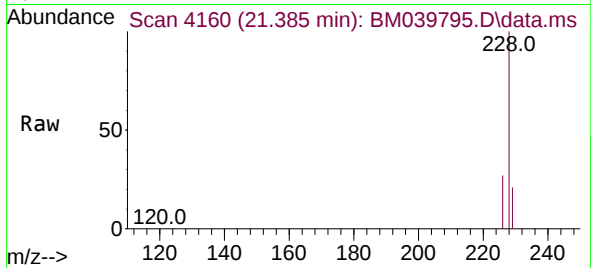
Tgt Ion:202 Resp: 895248
Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 10.9 8.9 13.3





#21
Benzo(a)anthracene
Concen: 15.725 ng/u1
RT: 21.385 min Scan# 4161
Delta R.T. 0.001 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

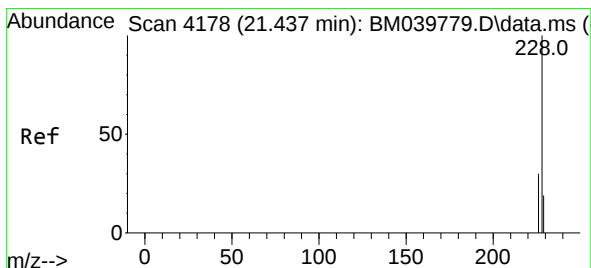
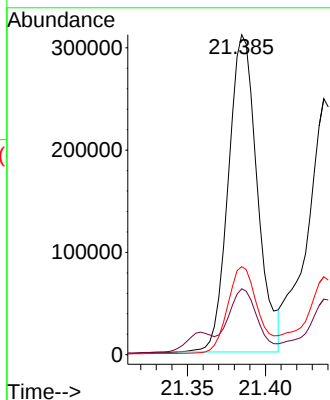
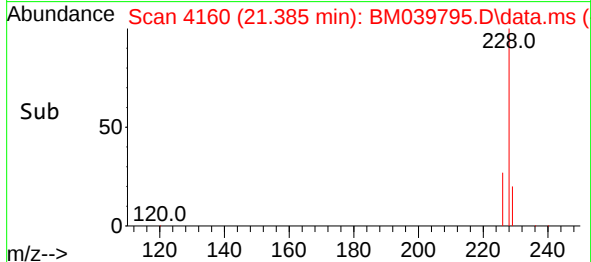
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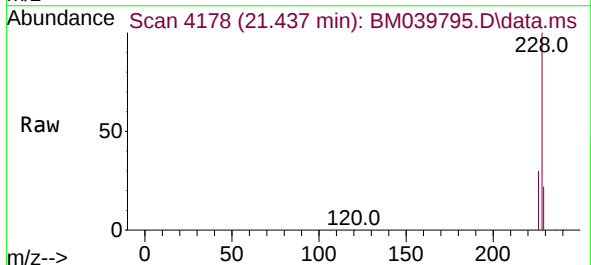
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Ion Ratio Lower Upper
228 100
229 20.6 16.2 24.2
226 27.5 21.6 32.4

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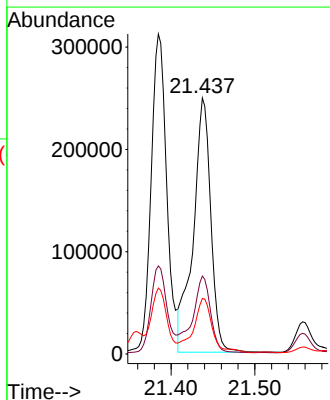
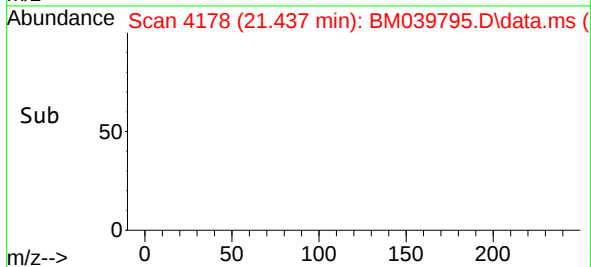
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

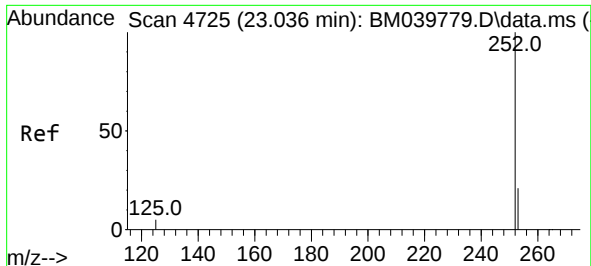


#22
Chrysene
Concen: 12.653 ng/u1
RT: 21.437 min Scan# 4178
Delta R.T. 0.001 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51



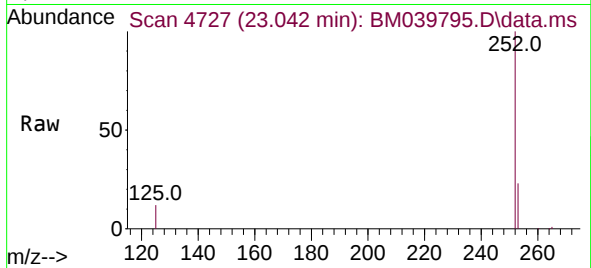
Tgt Ion:228 Resp: 363812
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 21.7 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 12.968 ng/ul m
RT: 23.042 min Scan# 4727
Delta R.T. 0.010 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

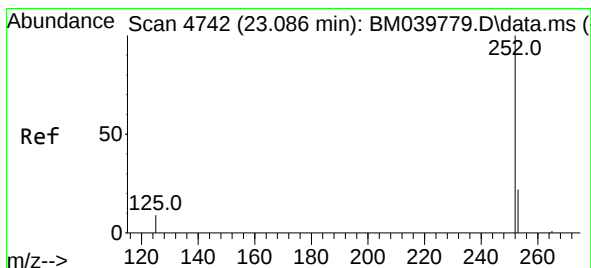
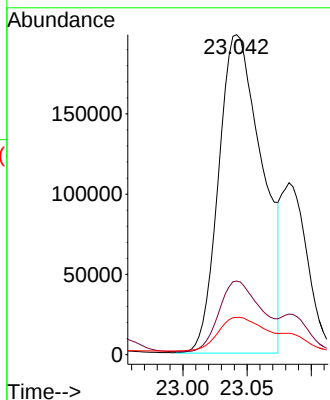
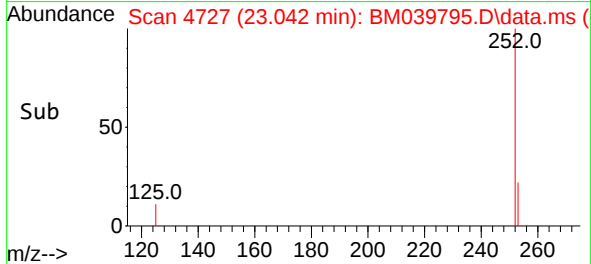
Instrument :
BNA_M
ClientSampleId :
EW8Y3DL



Tgt Ion:252 Resp: 468550
Ion Ratio Lower Upper
252 100
253 23.0 0.0 52.8
125 11.6 0.0 31.6

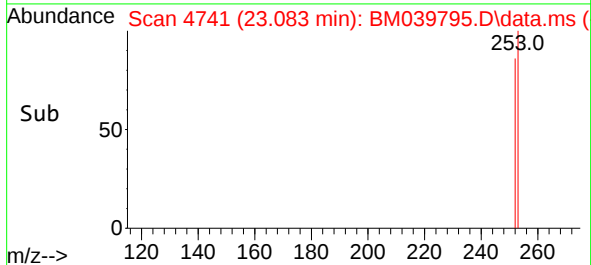
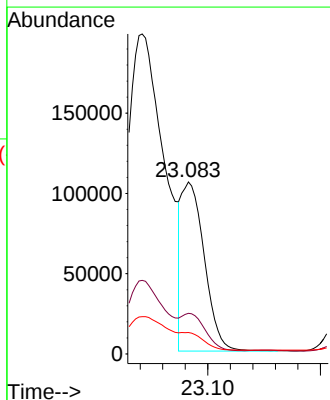
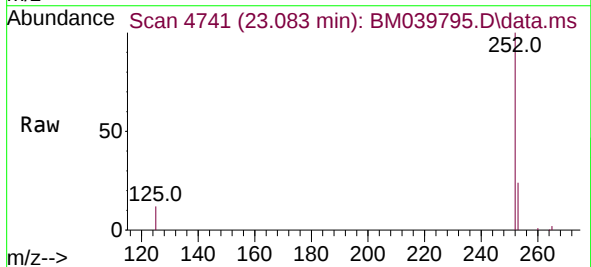
Manual Integrations
APPROVED

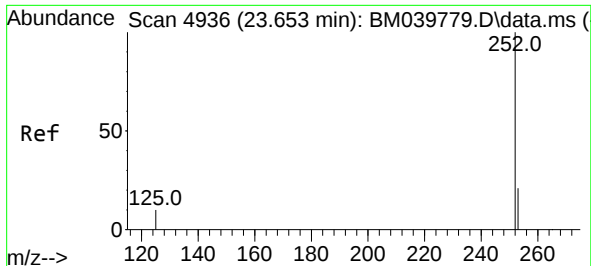
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#25
Benzo(k)fluoranthene
Concen: 4.042 ng/ul m
RT: 23.083 min Scan# 4741
Delta R.T. 0.004 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

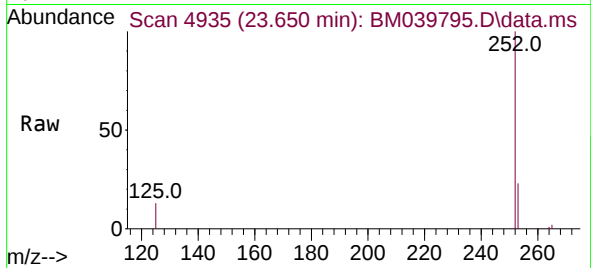
Tgt Ion:252 Resp: 148713
Ion Ratio Lower Upper
252 100
253 23.6 21.3 31.9
125 12.5 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 9.501 ng/ul
RT: 23.650 min Scan# 4936
Delta R.T. 0.007 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

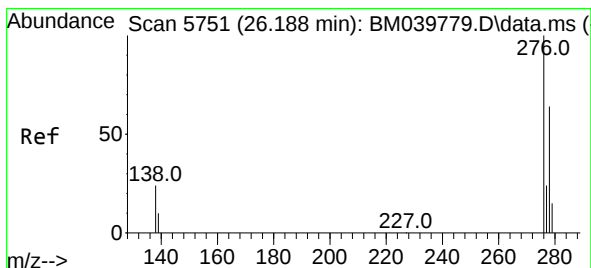
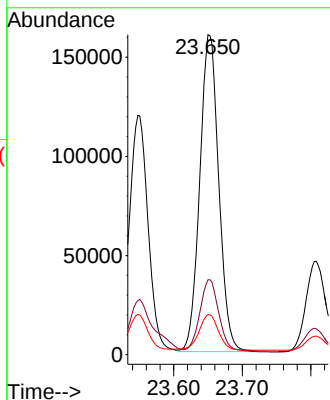
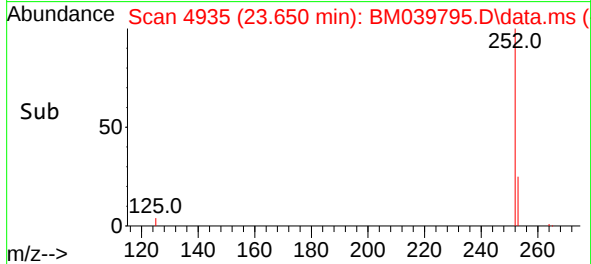
Instrument :
BNA_M
ClientSampleId :
EW8Y3DL



Tgt Ion:252 Resp: 308208
Ion Ratio Lower Upper
252 100
253 23.4 24.7 37.1
125 12.6 16.5 24.7

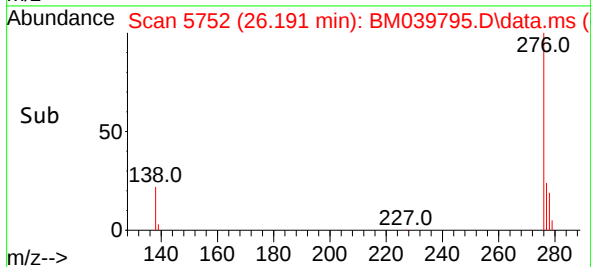
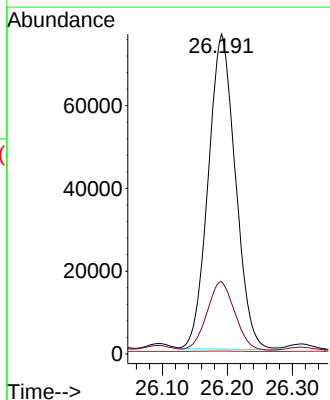
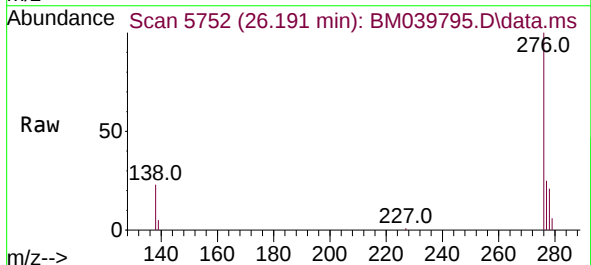
Manual Integrations
APPROVED

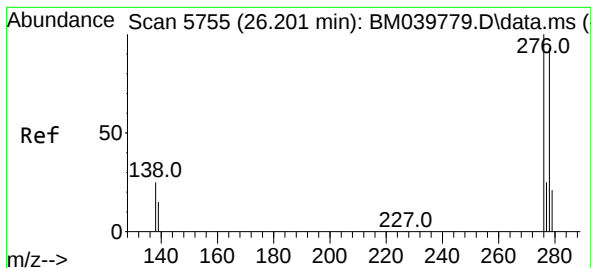
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.396 ng/ul
RT: 26.191 min Scan# 5752
Delta R.T. 0.012 min
Lab File: BM039795.D
Acq: 02 May 2023 01:51

Tgt Ion:276 Resp: 221328
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
227 0.2 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 1.768 ng/ul

RT: 26.194 min Scan# 5

Delta R.T. 0.005 min

Lab File: BM039795.D

Acq: 02 May 2023 01:51

Instrument :

BNA_M

ClientSampleId :

EW8Y3DL

Tgt Ion:278 Resp: 56294

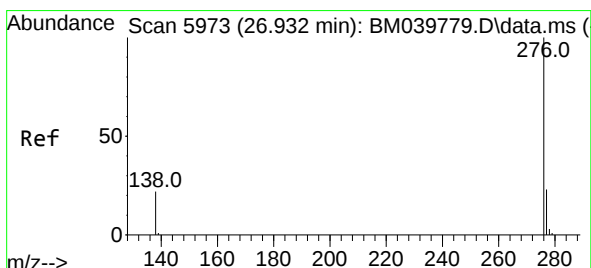
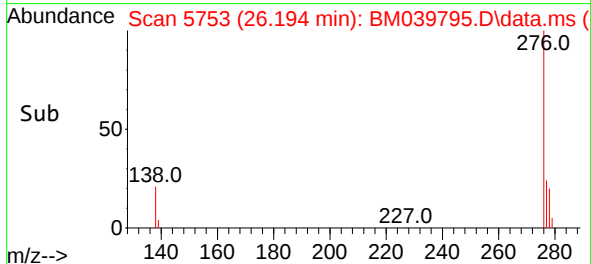
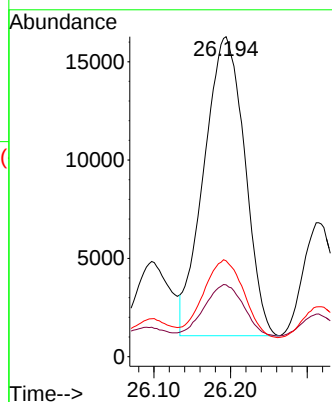
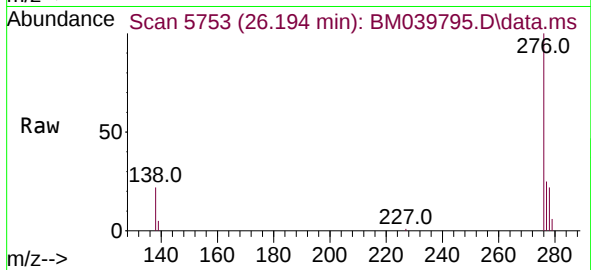
Ion	Ratio	Lower	Upper
278	100		
139	22.4	17.0	25.6
279	29.9	23.4	35.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023



#29

Benzo(g,h,i)perylene

Concen: 5.000 ng/ul

RT: 26.945 min Scan# 5977

Delta R.T. 0.025 min

Lab File: BM039795.D

Acq: 02 May 2023 01:51

Tgt Ion:276 Resp: 178691

Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.1	30.1
277	24.9	20.1	30.1

