

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039896.D
 Acq On : 09 May 2023 16:34
 Operator : CG/JU
 Sample : 02479-06DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW947DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 00:27:43 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 : Tue May 09 12:11:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	2226	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.584	136	7654	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	4283	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.195	188	8803	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.398	240	7670	0.400	ng/ul	# 0.00
23) Perylene-d12	23.751	264	7815	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	1171	0.357	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.184	152	326	0.033	ng/ul	0.00
18) Fluoranthene-d10	19.229	212	769	0.037	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.633	128	10300	0.536	ng/ul	99
7) 2-Methylnaphthalene	12.256	142	14125	1.273	ng/ul	98
8) 1-Methylnaphthalene	12.470	142	6365	0.535	ng/ul	99
10) Acenaphthylene	14.159	152	7634	0.461	ng/ul#	93
11) Acenaphthene	14.501	153	2099	0.161	ng/ul	95
12) Fluorene	15.491	166	2427	0.168	ng/ul#	92
15) Phenanthrene	17.238	178	44243	1.908	ng/ul	100
16) Anthracene	17.331	178	9702	0.487	ng/ul	96
19) Fluoranthene	19.262	202	103985	3.800	ng/ul	98
20) Pyrene	19.629	202	92415	3.127	ng/ul	97
21) Benzo(a)anthracene	21.383	228	51072	2.316	ng/ul	93
22) Chrysene	21.436	228	53374	2.139	ng/ul#	93
24) Benzo(b)fluoranthene	23.038	252	65427m	2.384	ng/ul	
25) Benzo(k)fluoranthene	23.081	252	24979m	0.894	ng/ul	
26) Benzo(a)pyrene	23.649	252	44954	1.824	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.192	276	34403	1.104	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.192	278	9720	0.402	ng/ul#	37
29) Benzo(g,h,i)perylene	26.947	276	36754	1.354	ng/ul#	89

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

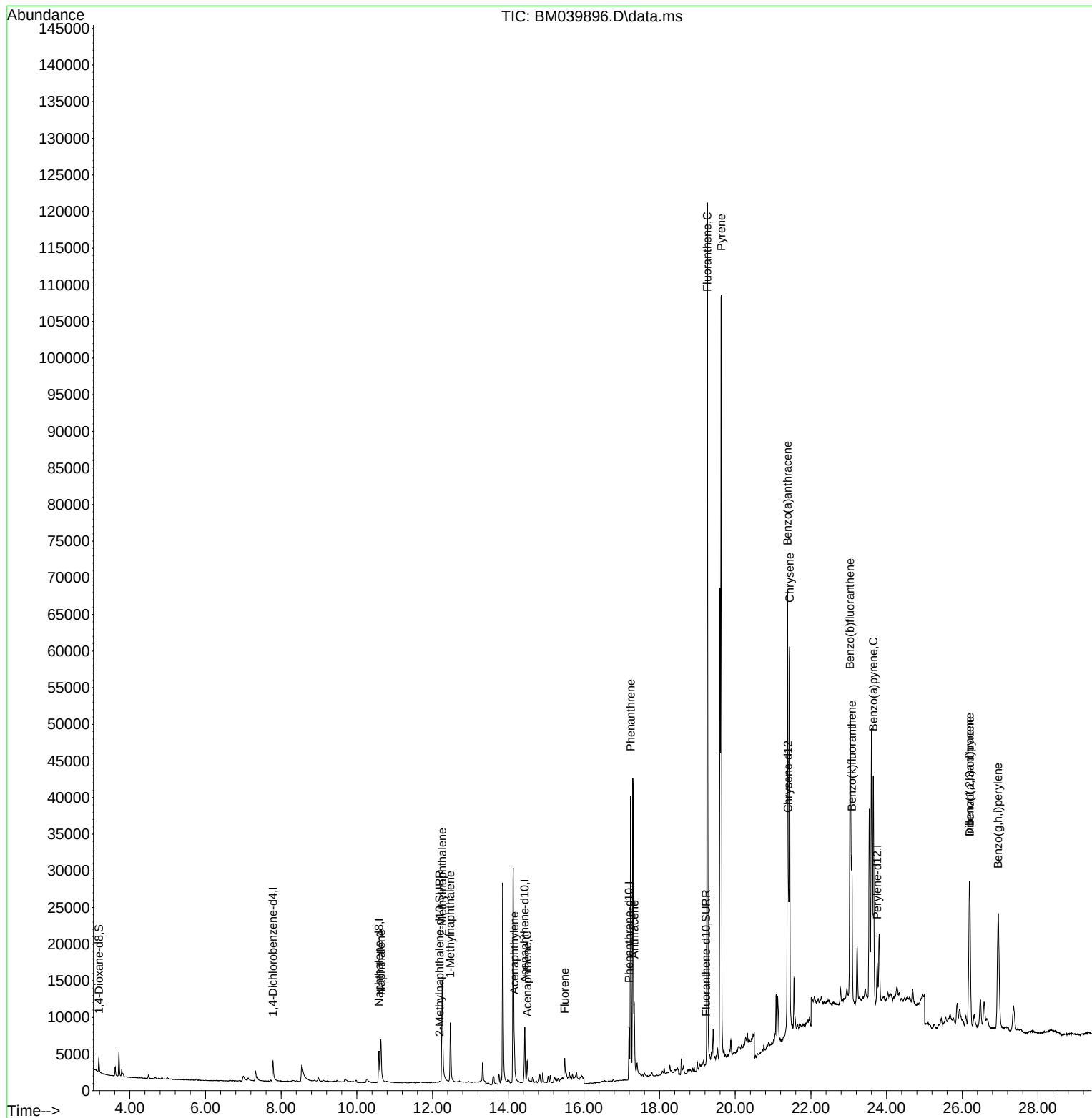
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
Data File : BM039896.D
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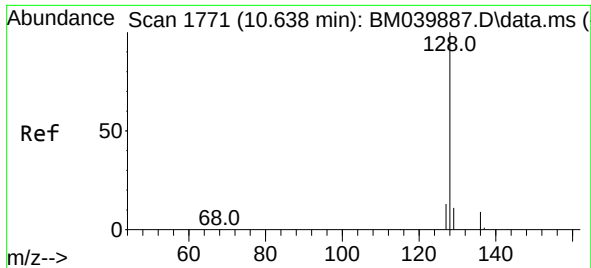
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
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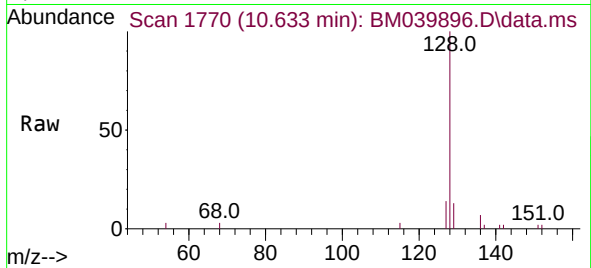
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023





#5
Naphthalene
Concen: 0.536 ng/ul
RT: 10.633 min Scan# 1771
Delta R.T. -0.004 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

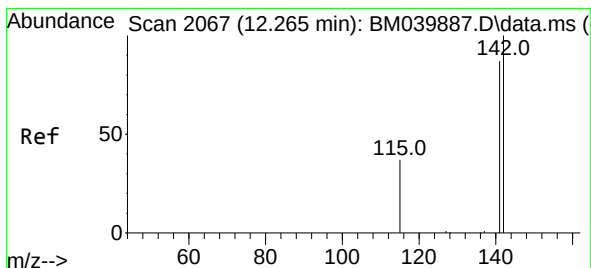
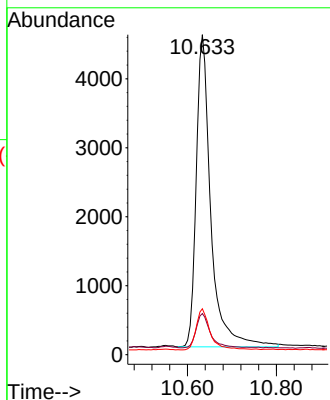
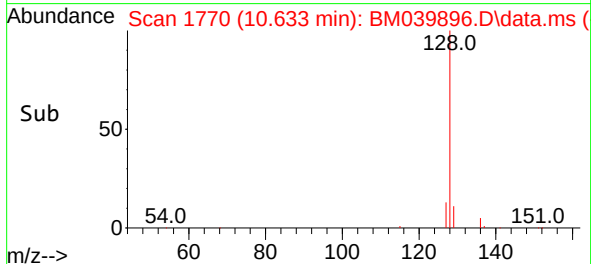
Instrument :
BNA_M
ClientSampleId :
EW947DL



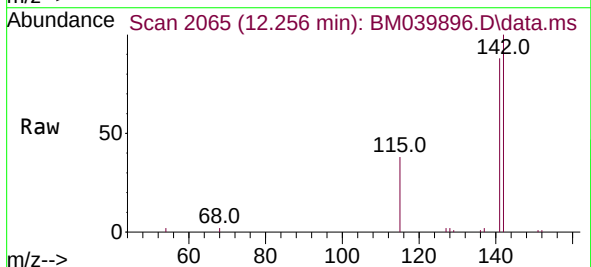
Tgt Ion:128 Resp: 10300
Ion Ratio Lower Upper
128 100
129 12.9 9.8 14.6
127 14.4 11.1 16.7

Manual Integrations
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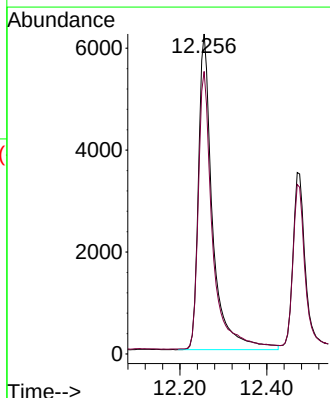
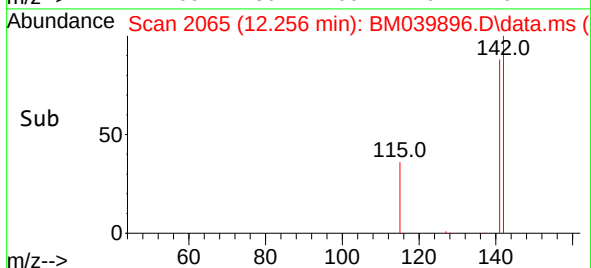
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

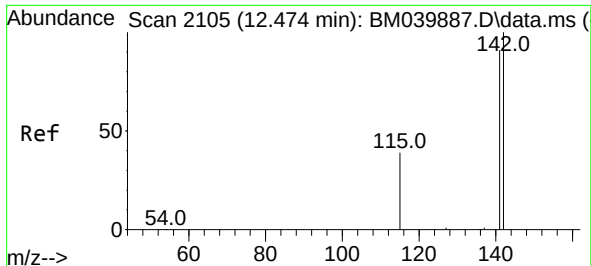


#7
2-Methylnaphthalene
Concen: 1.273 ng/ul
RT: 12.256 min Scan# 2065
Delta R.T. -0.010 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



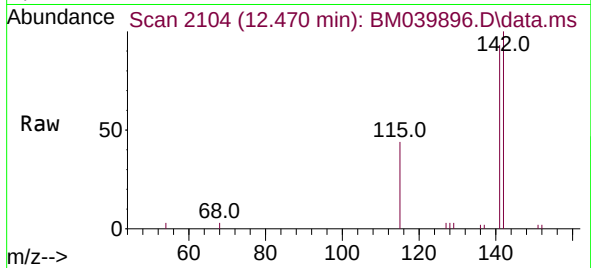
Tgt Ion:142 Resp: 14125
Ion Ratio Lower Upper
142 100
141 89.3 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.535 ng/ul
RT: 12.470 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

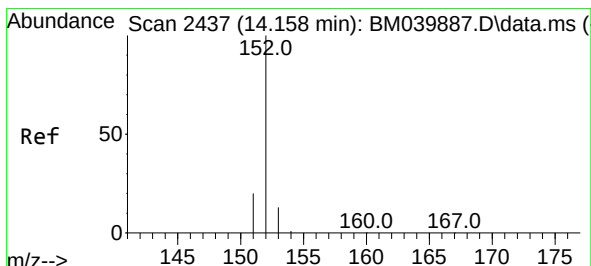
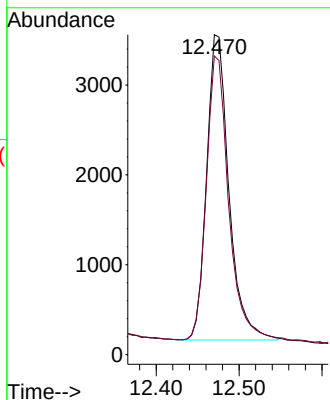
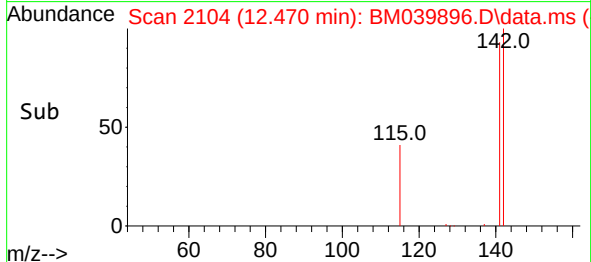
Instrument :
BNA_M
ClientSampleId :
EW947DL



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Ion Ratio Lower Upper
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141 93.0 73.4 110.2

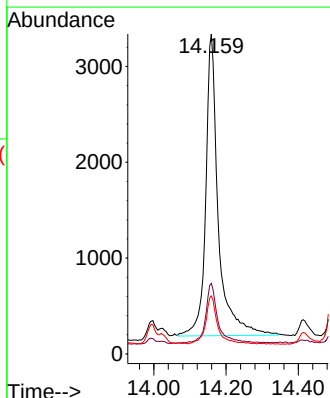
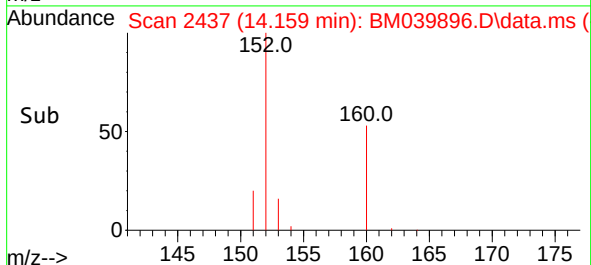
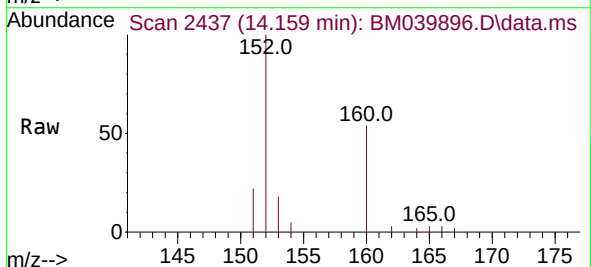
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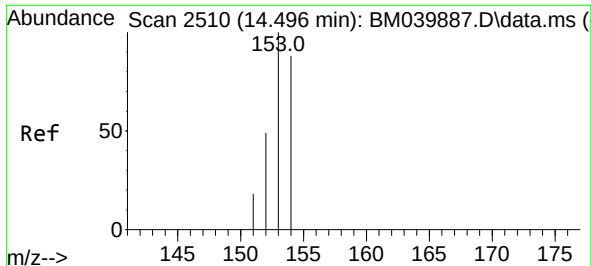
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#10
Acenaphthylene
Concen: 0.461 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

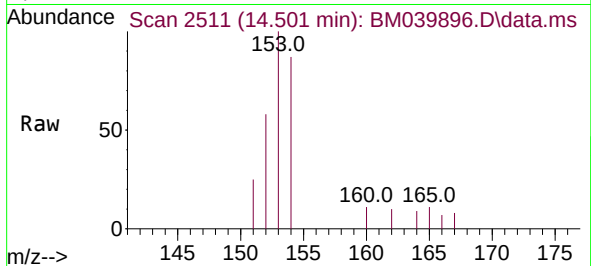
Tgt Ion:152 Resp: 7634
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 18.2 11.2 16.8#





#11
Acenaphthene
Concen: 0.161 ng/u1
RT: 14.501 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

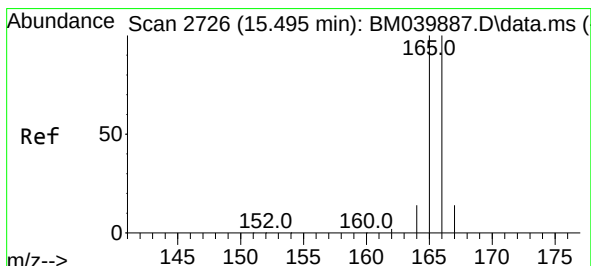
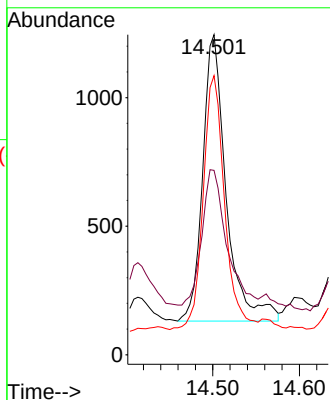
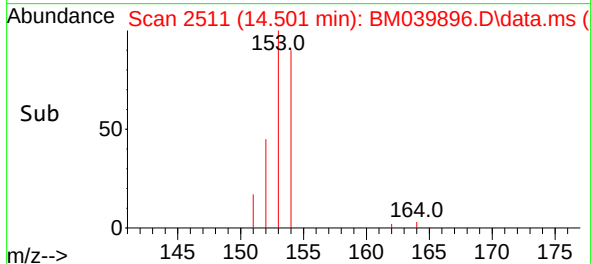
Instrument :
BNA_M
ClientSampleId :
EW947DL



Tgt Ion:153 Resp: 2099
Ion Ratio Lower Upper
153 100
152 57.6 40.6 61.0
154 87.2 71.9 107.9

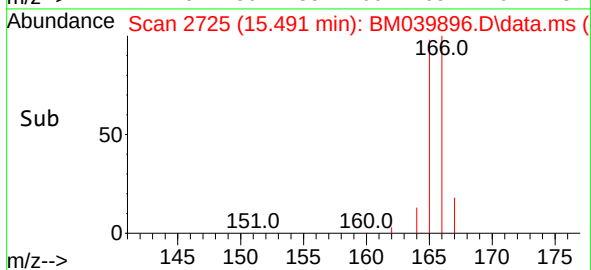
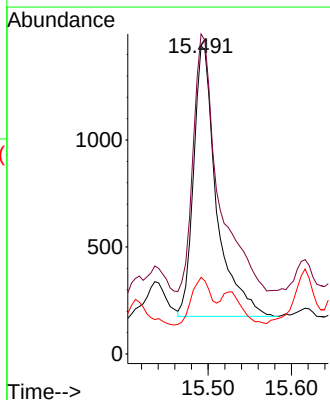
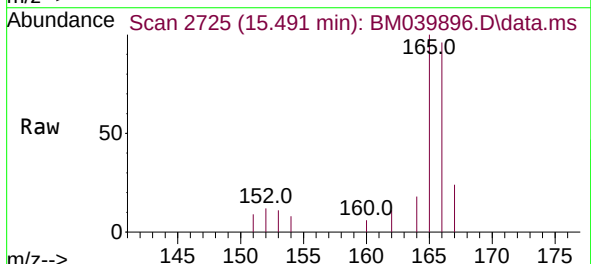
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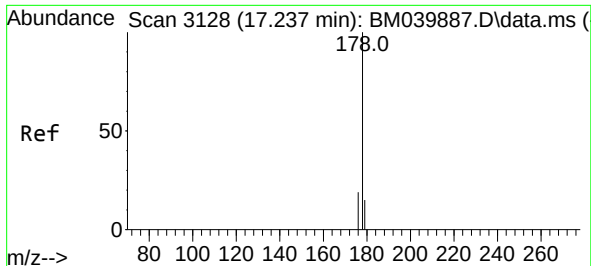
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#12
Fluorene
Concen: 0.168 ng/u1
RT: 15.491 min Scan# 2725
Delta R.T. -0.003 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

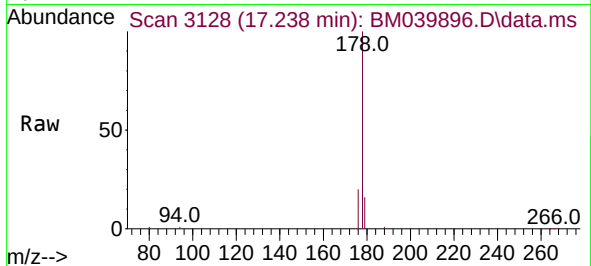
Tgt Ion:166 Resp: 2427
Ion Ratio Lower Upper
166 100
165 103.9 79.0 118.6
167 24.9 11.8 17.6#





#15
Phenanthrene
Concen: 1.908 ng/ul
RT: 17.238 min Scan# 3128
Delta R.T. 0.001 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

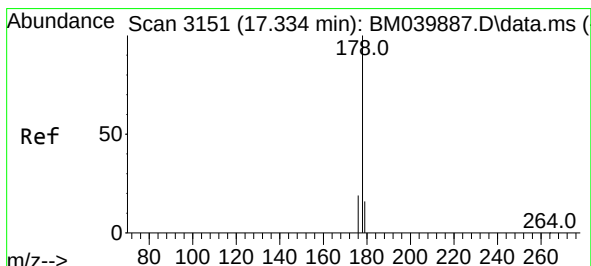
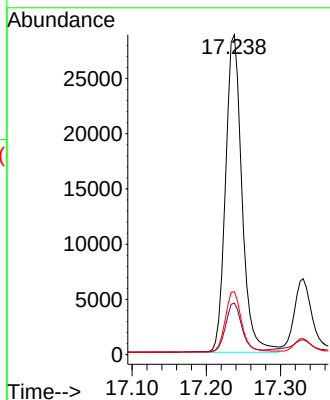
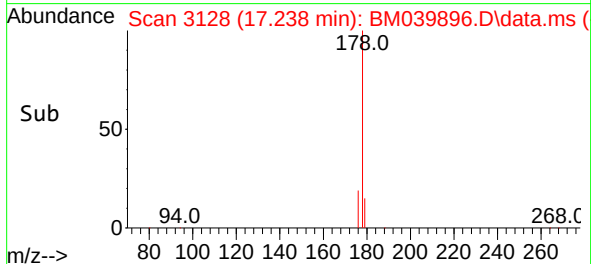
Instrument :
BNA_M
ClientSampleId :
EW947DL



Tgt Ion:178 Resp: 4424
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.6
176 19.7 15.8 23.8

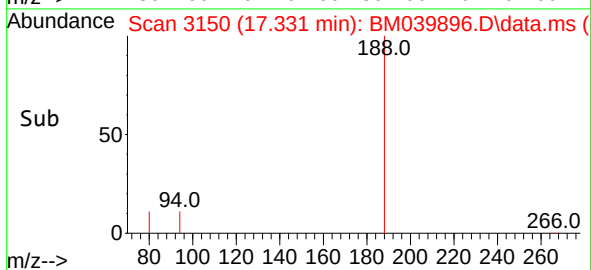
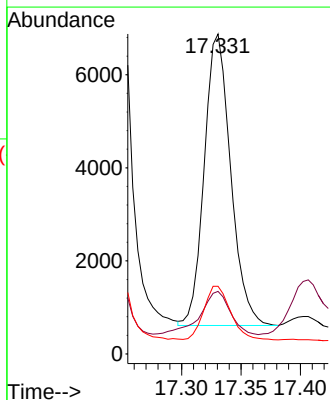
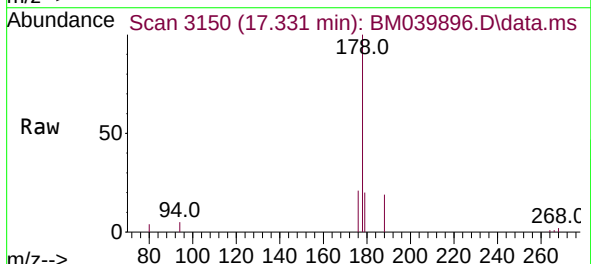
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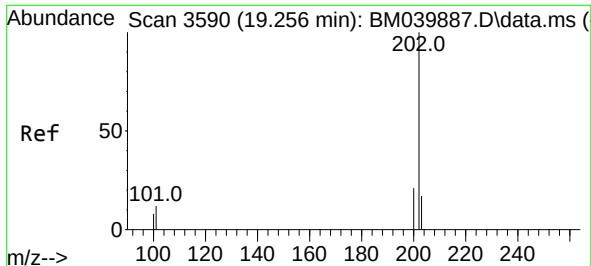
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#16
Anthracene
Concen: 0.487 ng/ul
RT: 17.331 min Scan# 3150
Delta R.T. -0.003 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

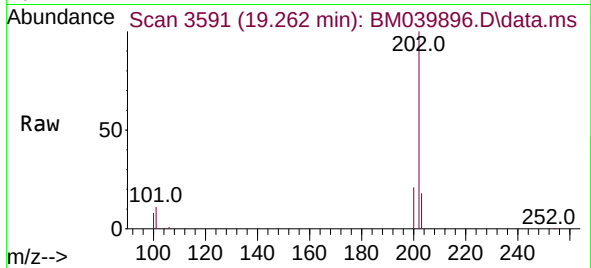
Tgt Ion:178 Resp: 9702
Ion Ratio Lower Upper
178 100
179 19.5 13.8 20.6
176 21.2 15.8 23.8





#19
Fluoranthene
Concen: 3.800 ng/u1
RT: 19.262 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

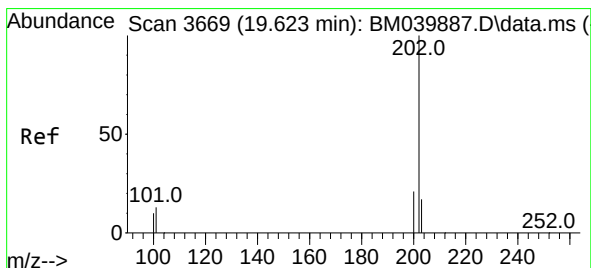
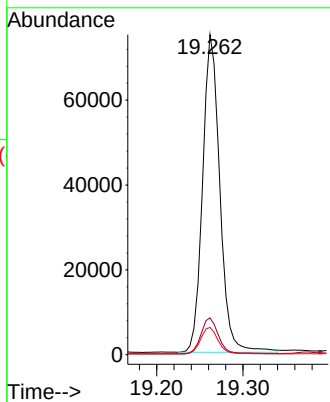
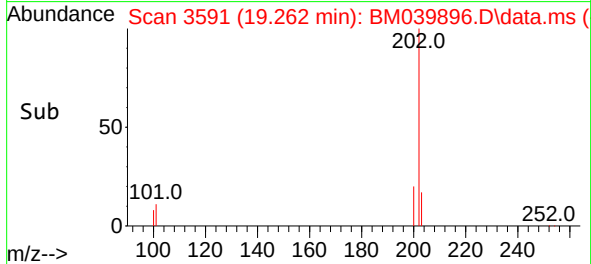
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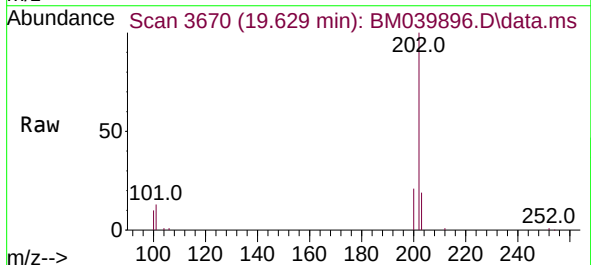
Tgt Ion:202 Resp: 103985
Ion Ratio Lower Upper
202 100
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100 8.5 7.3 10.9

Manual Integrations
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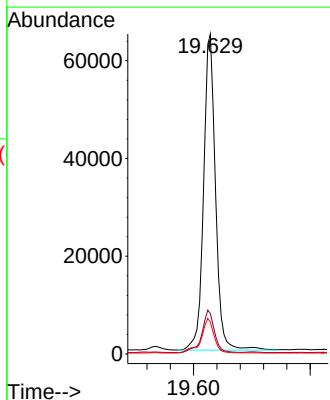
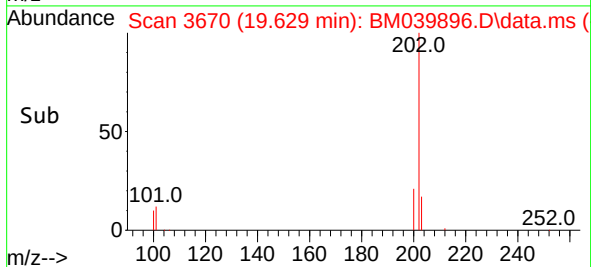
Reviewed By :Christian Giraldo 05/10/2023
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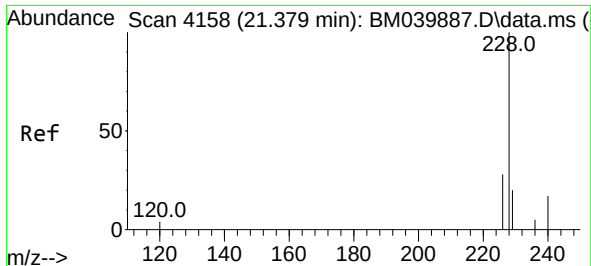


#20
Pyrene
Concen: 3.127 ng/u1
RT: 19.629 min Scan# 3670
Delta R.T. 0.006 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



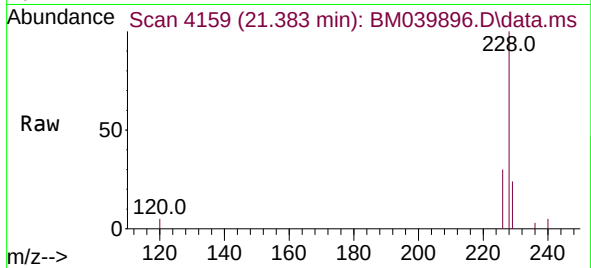
Tgt Ion:202 Resp: 92415
Ion Ratio Lower Upper
202 100
101 12.7 10.9 16.3
100 10.0 8.9 13.3





#21
Benzo(a)anthracene
Concen: 2.316 ng/uI
RT: 21.383 min Scan# 4158
Delta R.T. 0.004 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

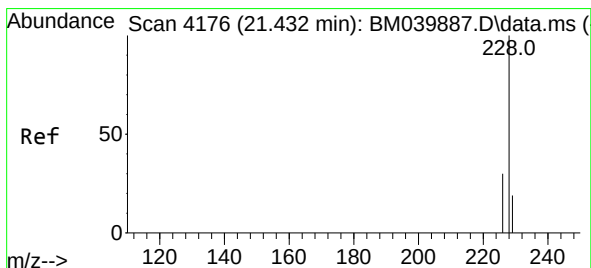
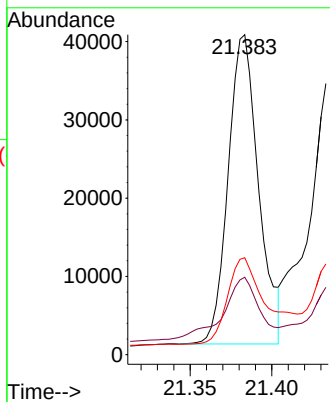
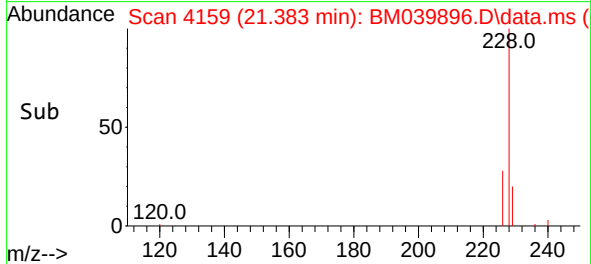
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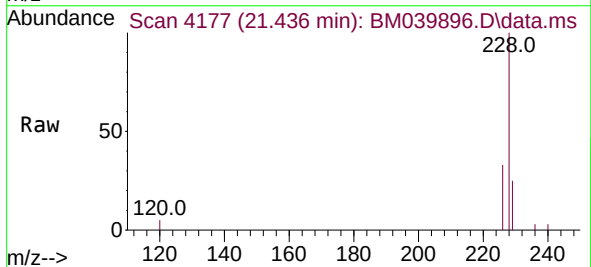
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Ion Ratio Lower Upper
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226 30.3 21.6 32.4

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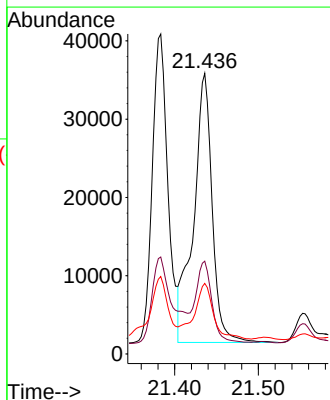
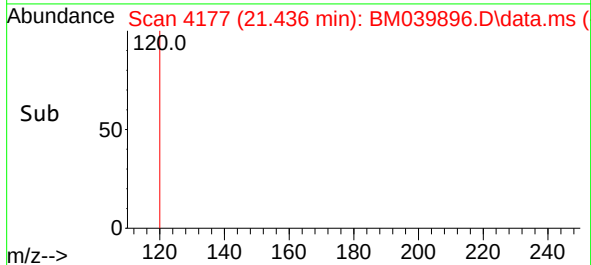
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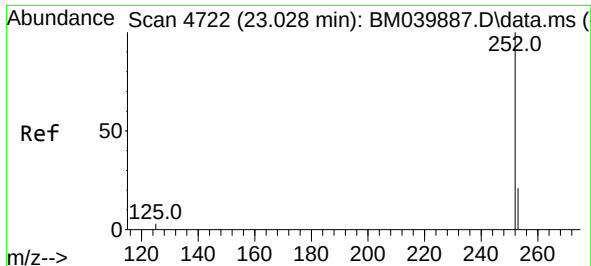


#22
Chrysene
Concen: 2.139 ng/uI
RT: 21.436 min Scan# 4177
Delta R.T. 0.004 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



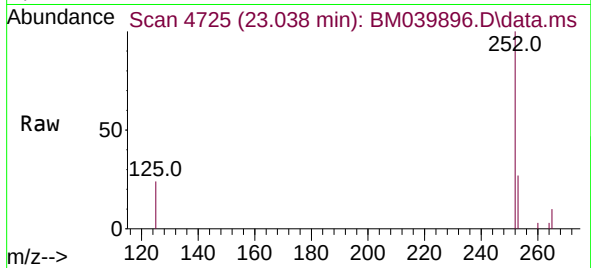
Tgt Ion:228 Resp: 53374
Ion Ratio Lower Upper
228 100
226 33.1 24.3 36.5
229 25.1 15.9 23.9#





#24
Benzo(b)fluoranthene
Concen: 2.384 ng/ul m
RT: 23.038 min Scan# 4725
Delta R.T. 0.010 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

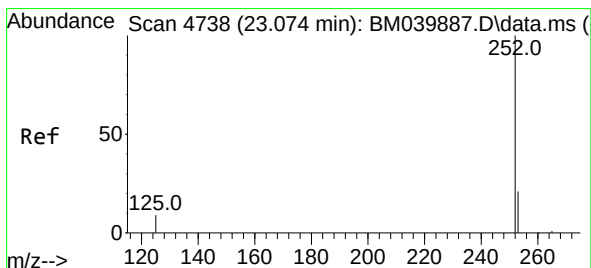
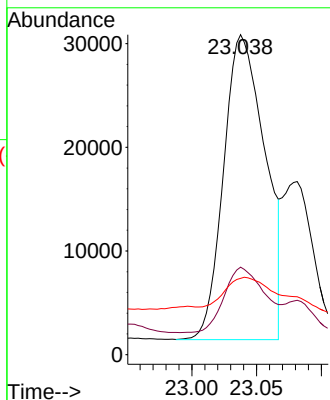
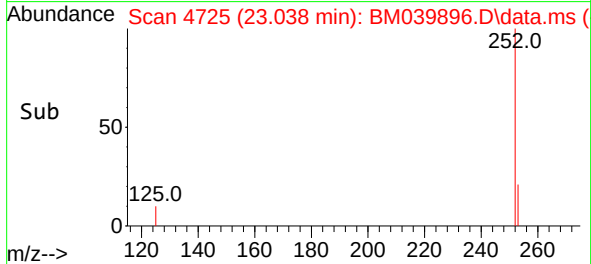
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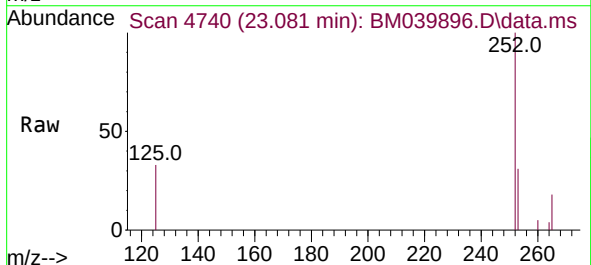
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Ion Ratio Lower Upper
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125 23.8 0.0 31.6

Manual Integrations
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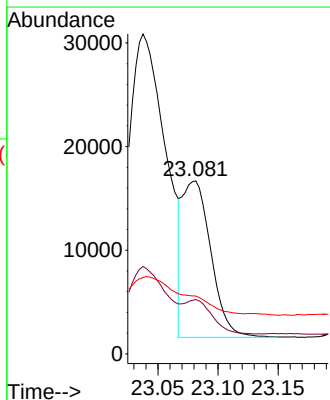
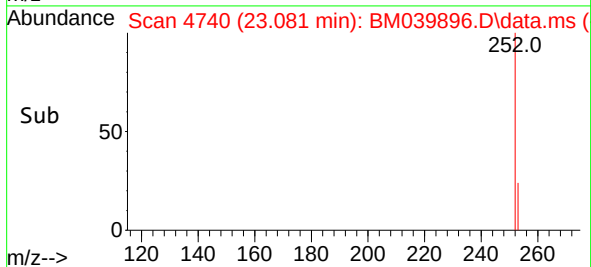
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

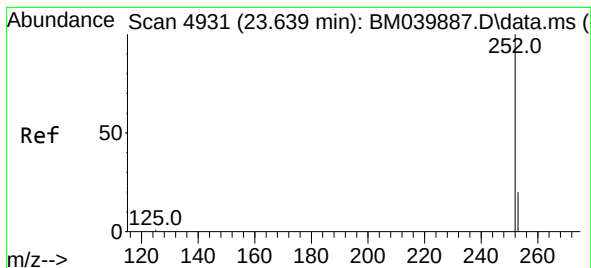


#25
Benzo(k)fluoranthene
Concen: 0.894 ng/ul m
RT: 23.081 min Scan# 4740
Delta R.T. 0.007 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



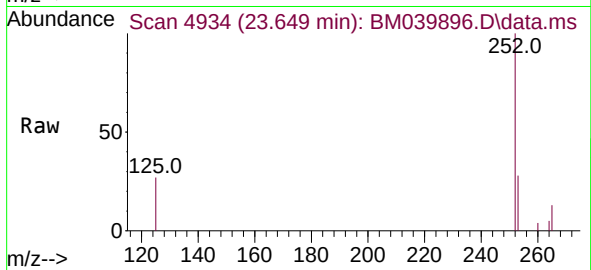
Tgt Ion:252 Resp: 24979
Ion Ratio Lower Upper
252 100
253 31.4 21.3 31.9
125 33.4 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 1.824 ng/ul
RT: 23.649 min Scan# 4931
Delta R.T. 0.010 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

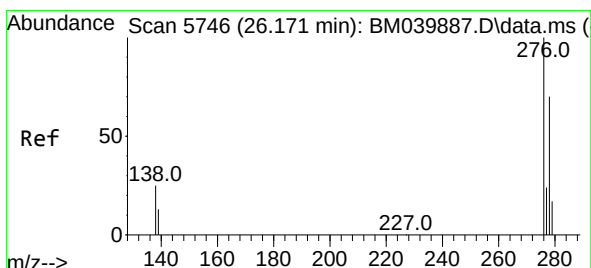
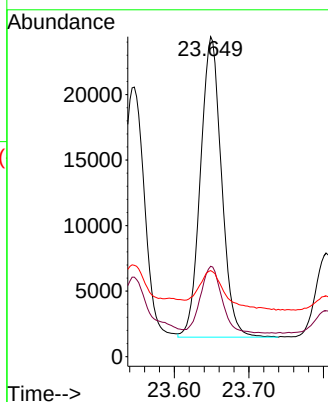
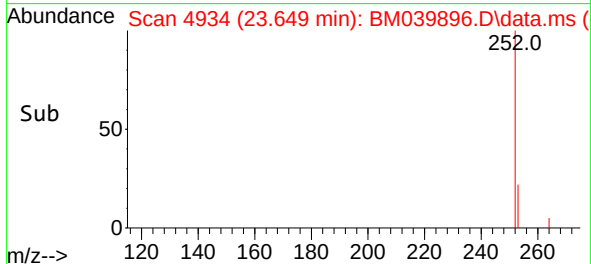
Instrument :
BNA_M
ClientSampleId :
EW947DL



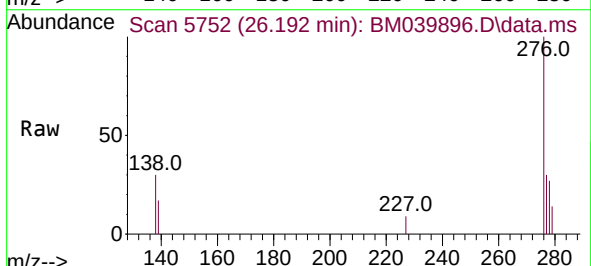
Tgt Ion:252 Resp: 44954
Ion Ratio Lower Upper
252 100
253 28.3 24.7 37.1
125 26.9 16.5 24.7

Manual Integrations
APPROVED

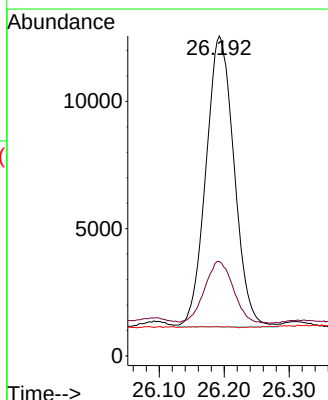
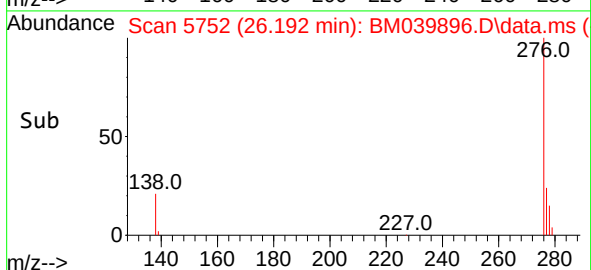
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

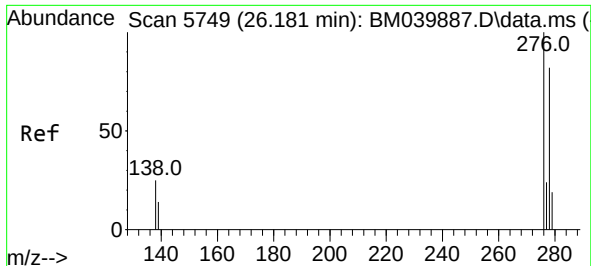


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.104 ng/ul
RT: 26.192 min Scan# 5752
Delta R.T. 0.021 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



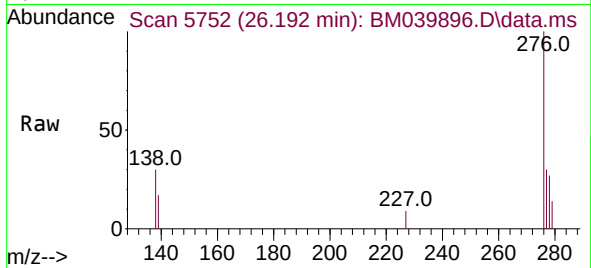
Tgt Ion:276 Resp: 34403
Ion Ratio Lower Upper
276 100
138 21.7 21.1 31.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.402 ng/ul
RT: 26.192 min Scan# 51
Delta R.T. 0.011 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34

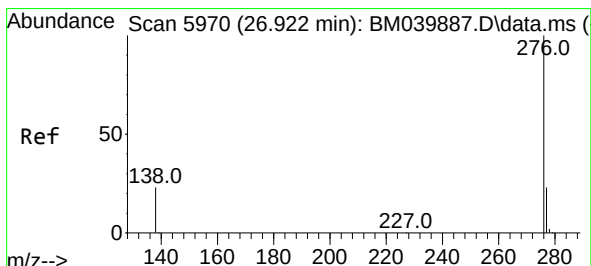
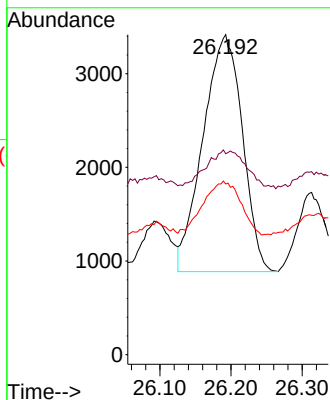
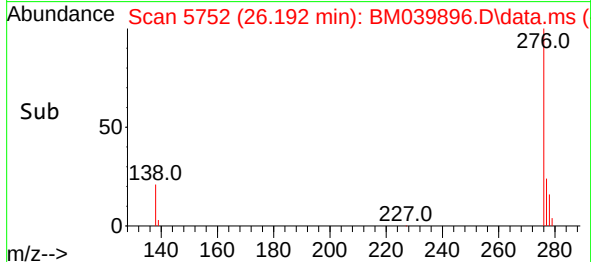
Instrument :
BNA_M
ClientSampleId :
EW947DL



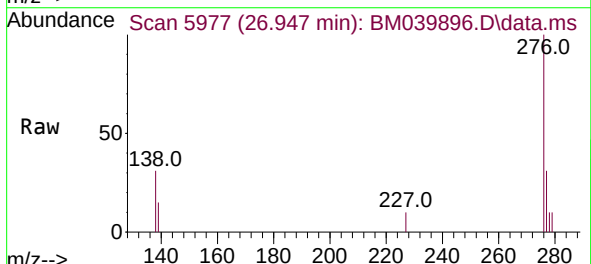
Tgt Ion:278 Resp: 9720
Ion Ratio Lower Upper
278 100
139 62.8 17.0 25.6
279 53.3 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#29
Benzo(g,h,i)perylene
Concen: 1.354 ng/ul
RT: 26.947 min Scan# 5977
Delta R.T. 0.025 min
Lab File: BM039896.D
Acq: 09 May 2023 16:34



Tgt Ion:276 Resp: 36754
Ion Ratio Lower Upper
276 100
138 30.7 20.1 30.1#
277 30.8 20.1 30.1#

