

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039891.D
 Acq On : 09 May 2023 13:32
 Operator : CG/JU
 Sample : 02479-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW942

Manual Integrations
 APPROVED

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

Quant Time: May 10 00:26:48 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	7.771	152	2414	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.573	136	7908	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.432	164	4839	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	9226	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.411	240	6237	0.400	ng/ul	# 0.02
23) Perylene-d12	23.779	264	18015	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	4825	1.356	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.168	152	1639	0.162	ng/ul	-0.02
18) Fluoranthene-d10	19.229	212	3932	0.234	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.623	128	184351	9.283	ng/ul	97
7) 2-Methylnaphthalene	12.245	142	79374	6.926	ng/ul	97
8) 1-Methylnaphthalene	12.465	142	65317	5.313	ng/ul	100
10) Acenaphthylene	14.150	152	244547	13.057	ng/ul	100
11) Acenaphthene	14.492	153	480828	32.684	ng/ul	98
12) Fluorene	15.487	166	619647	37.963	ng/ul	96
14) Pentachlorophenol	16.862	266	1426	0.709	ng/ul#	81
15) Phenanthrene	17.246	178	6518374	268.175	ng/ul	99
16) Anthracene	17.327	178	1908209	91.429	ng/ul	98
19) Fluoranthene	19.285	202	9417995	423.259	ng/ul#	94
20) Pyrene	19.648	202	8060435	335.446	ng/ul#	92
21) Benzo(a)anthracene	21.394	228	4416670	246.297	ng/ul	93
22) Chrysene	21.452	228	4215924	207.747	ng/ul#	92
24) Benzo(b)fluoranthene	23.068	252	5671215m	89.639	ng/ul	
25) Benzo(k)fluoranthene	23.106	252	2141277m	33.239	ng/ul	
26) Benzo(a)pyrene	23.685	252	4142815	72.933	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.251	276	3053212	42.508	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.234	278	815333	14.625	ng/ul	98
29) Benzo(g,h,i)perylene	27.009	276	2648427	42.316	ng/ul	99

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

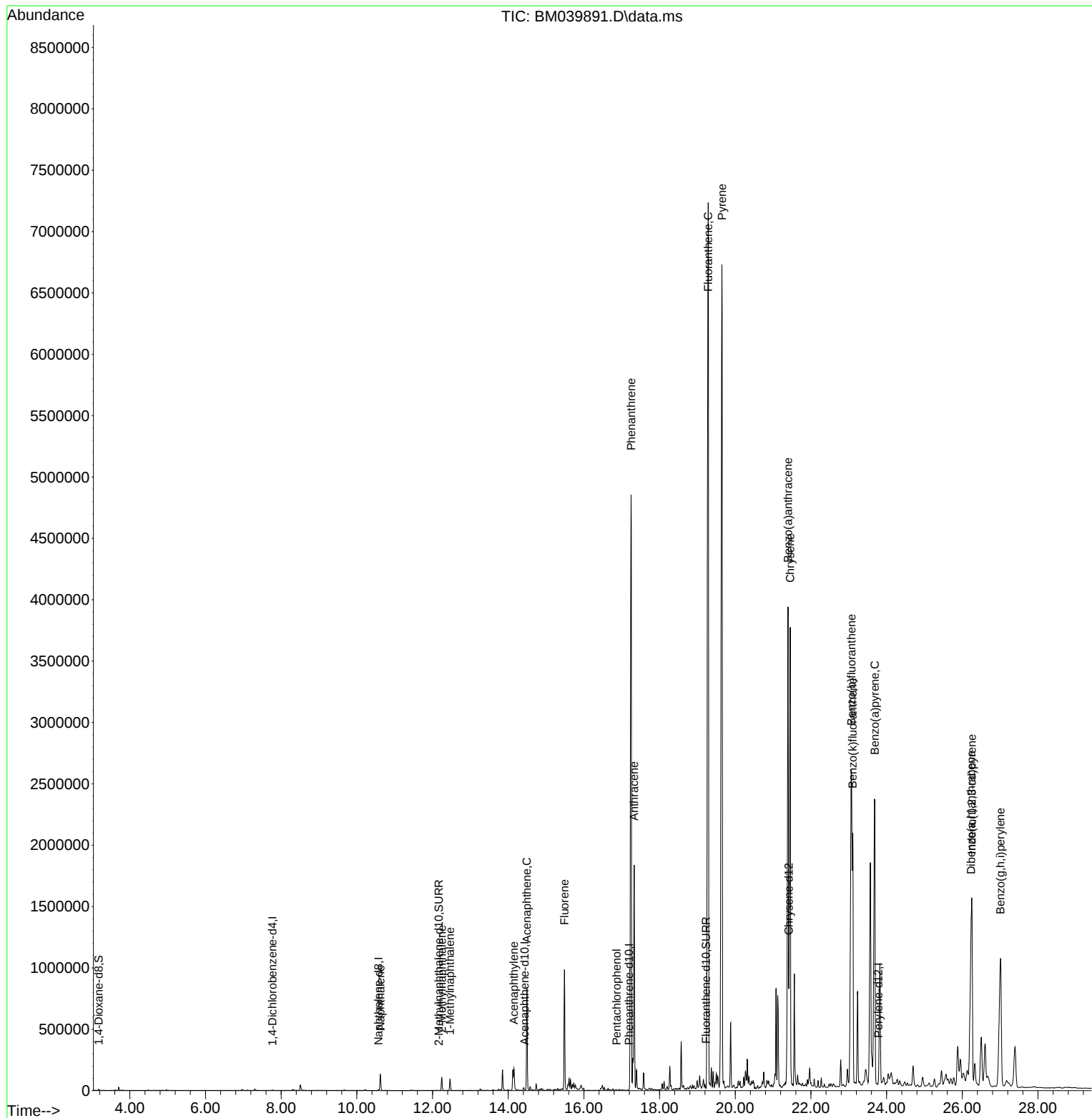
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
Data File : BM039891.D
Acq On : 09 May 2023 13:32
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ALS Vial : 6 Sample Multiplier: 1

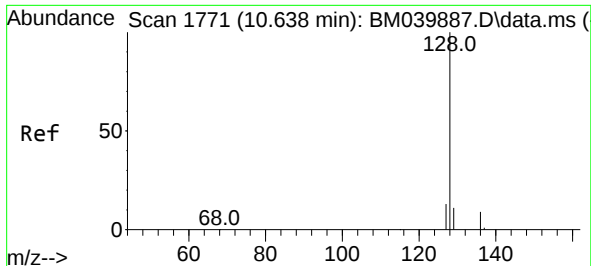
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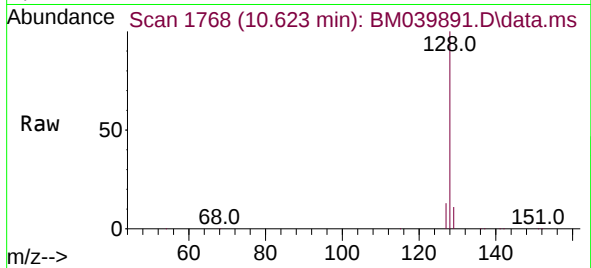
Quant Time: May 10 00:26:48 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 12:11:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 9.283 ng/ul
RT: 10.623 min Scan# 1771
Delta R.T. -0.015 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

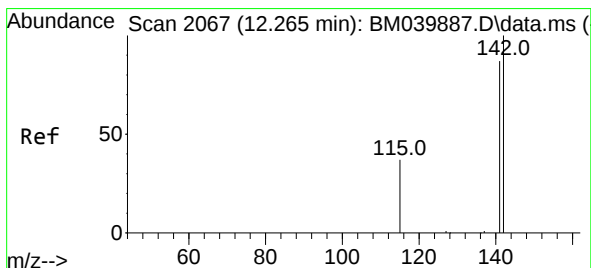
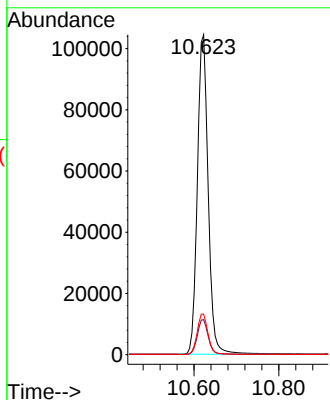
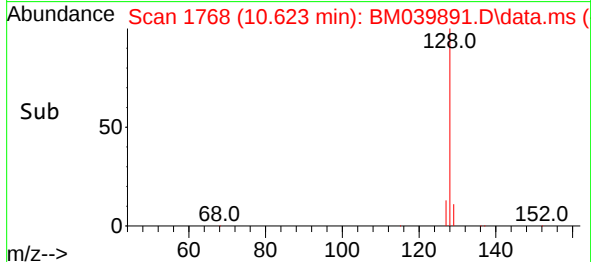
Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:128 Resp: 18435
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 12.7 11.1 16.7

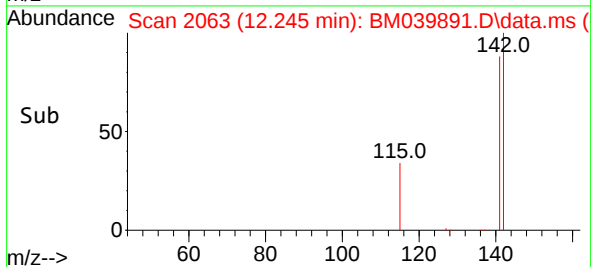
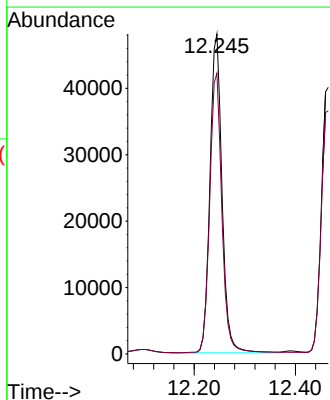
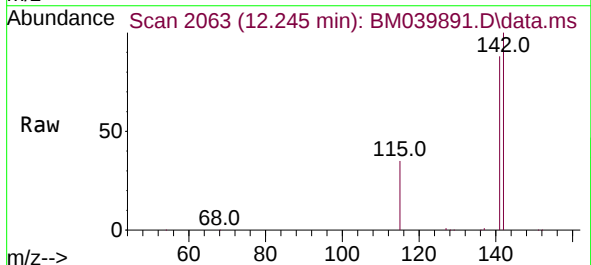
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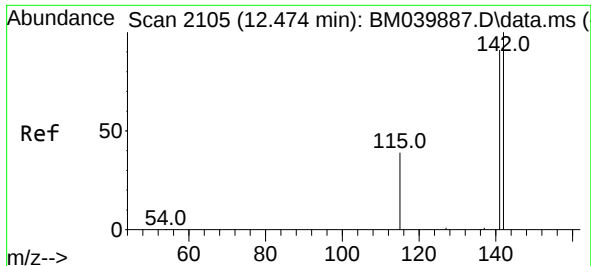
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#7
2-Methylnaphthalene
Concen: 6.926 ng/ul
RT: 12.245 min Scan# 2063
Delta R.T. -0.021 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

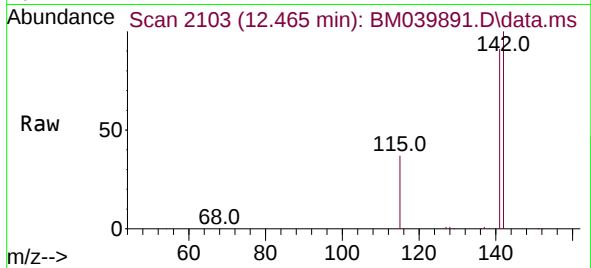
Tgt Ion:142 Resp: 79374
Ion Ratio Lower Upper
142 100
141 88.5 73.2 109.8





#8
1-Methylnaphthalene
Concen: 5.313 ng/ul
RT: 12.465 min Scan# 2105
Delta R.T. -0.010 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

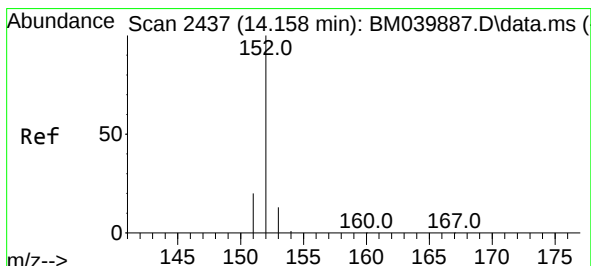
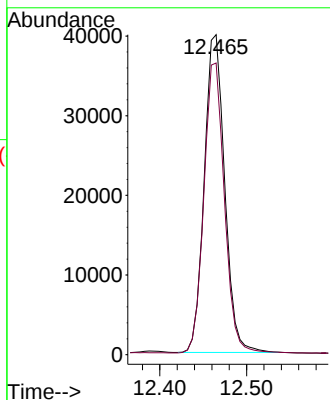
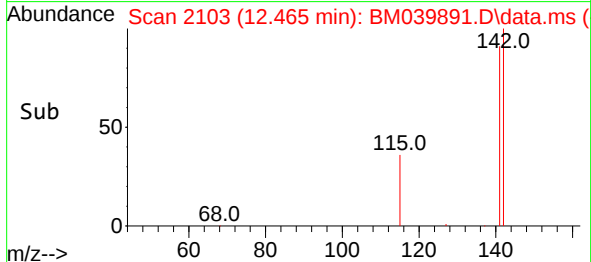
Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:142 Resp: 65317
Ion Ratio Lower Upper
142 100
141 91.6 73.4 110.2

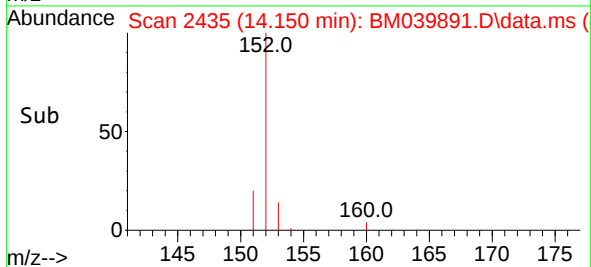
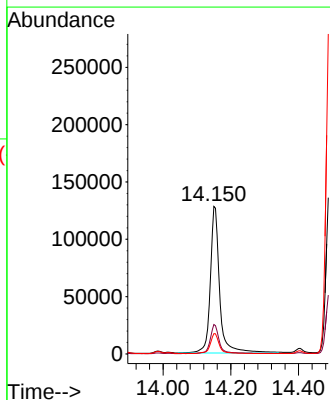
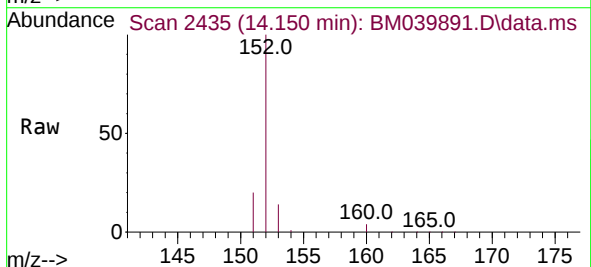
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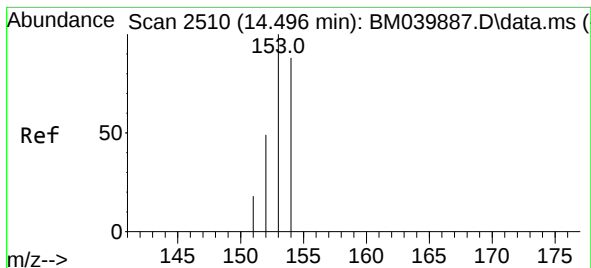
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#10
Acenaphthylene
Concen: 13.057 ng/ul
RT: 14.150 min Scan# 2435
Delta R.T. -0.008 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

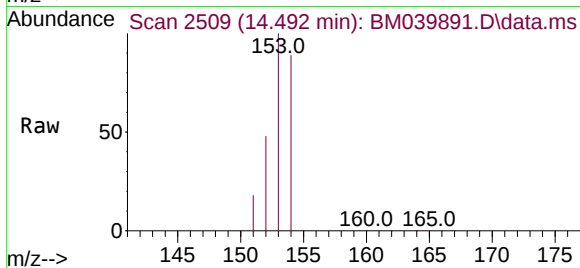
Tgt Ion:152 Resp: 244547
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.8 11.2 16.8





#11
Acenaphthene
Concen: 32.684 ng/u1
RT: 14.492 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

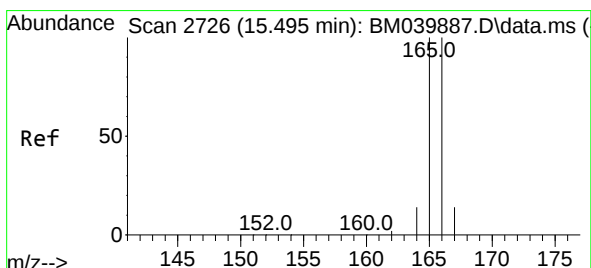
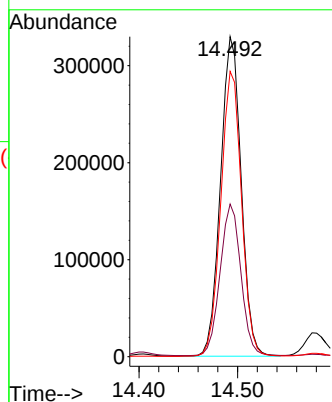
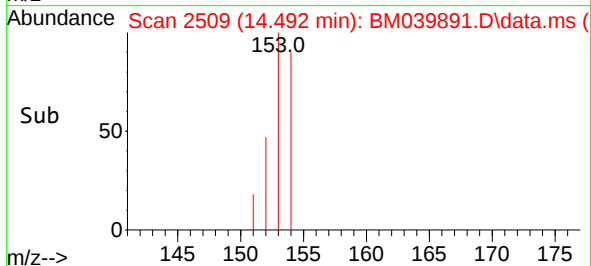
Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:153 Resp: 480828
Ion Ratio Lower Upper
153 100
152 47.7 40.6 61.0
154 89.2 71.9 107.9

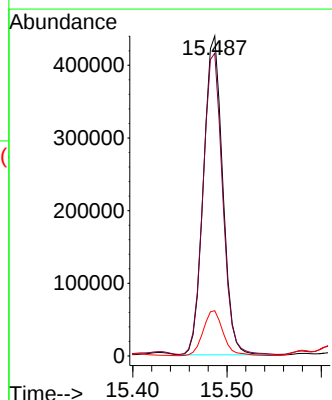
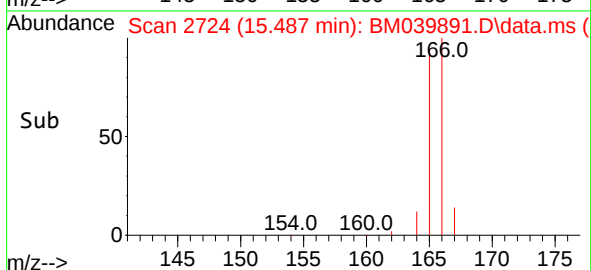
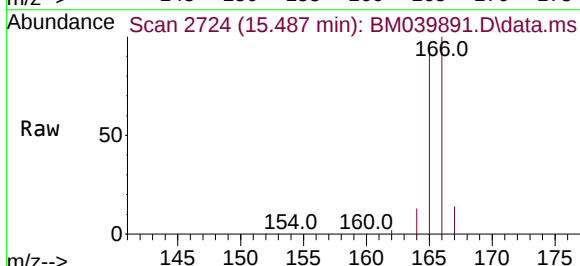
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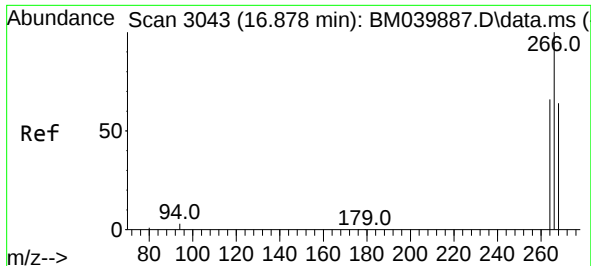
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#12
Fluorene
Concen: 37.963 ng/u1
RT: 15.487 min Scan# 2724
Delta R.T. -0.008 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

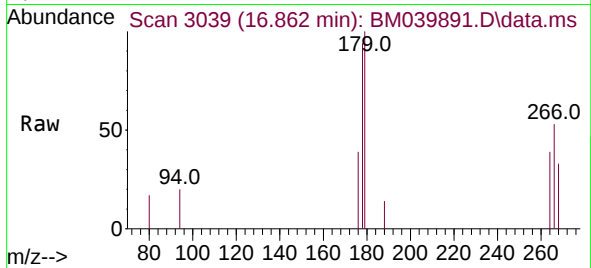
Tgt Ion:166 Resp: 619647
Ion Ratio Lower Upper
166 100
165 94.6 79.0 118.6
167 14.2 11.8 17.6





#14
Pentachlorophenol
Concen: 0.709 ng/uI
RT: 16.862 min Scan# 3043
Delta R.T. -0.016 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

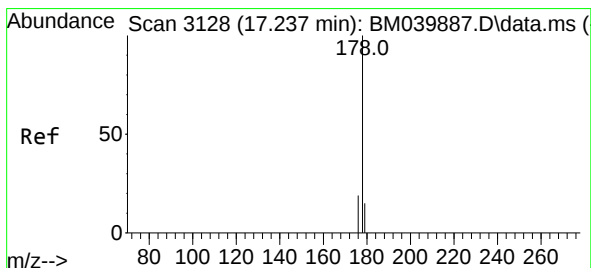
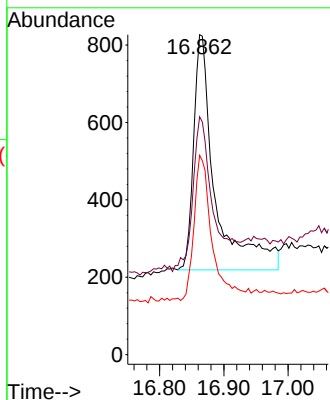
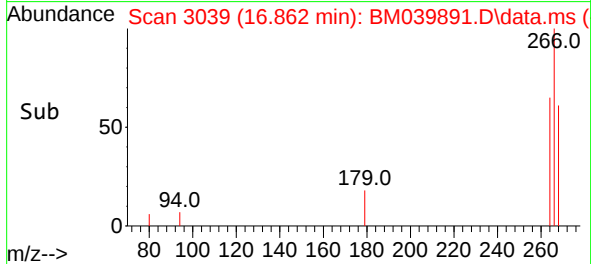
Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:266 Resp: 1420
Ion Ratio Lower Upper
266 100
264 84.1 48.8 73.2
268 56.4 50.4 75.6

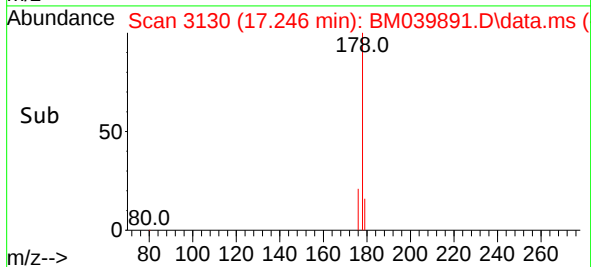
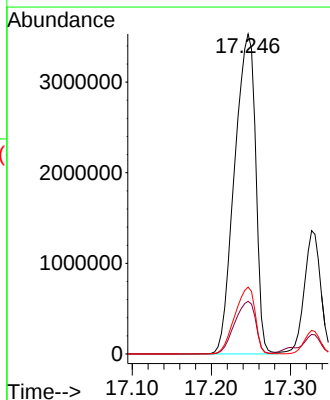
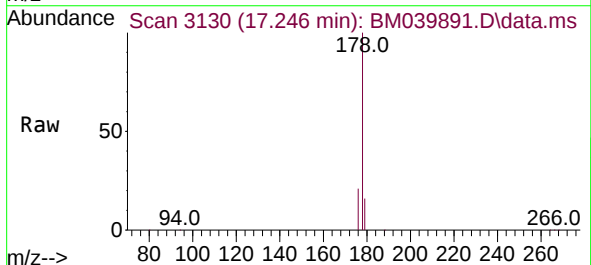
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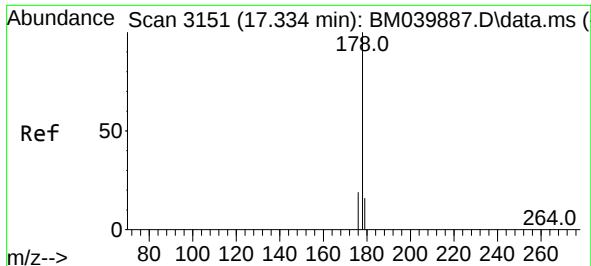
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#15
Phenanthrene
Concen: 268.175 ng/uI
RT: 17.246 min Scan# 3130
Delta R.T. 0.010 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

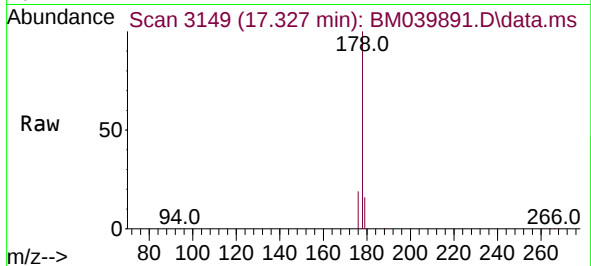
Tgt Ion:178 Resp: 6518374
Ion Ratio Lower Upper
178 100
179 16.4 13.0 19.6
176 20.9 15.8 23.8





#16
 Anthracene
 Concen: 91.429 ng/ul
 RT: 17.327 min Scan# 3149
 Delta R.T. -0.007 min
 Lab File: BM039891.D
 Acq: 09 May 2023 13:32

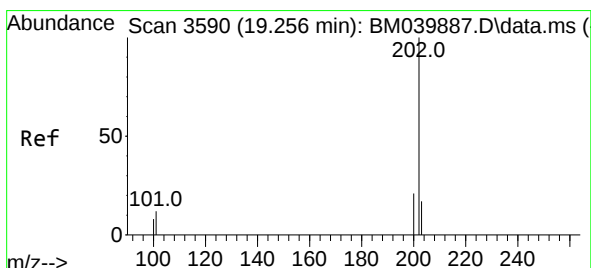
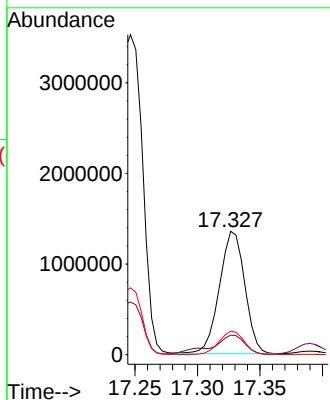
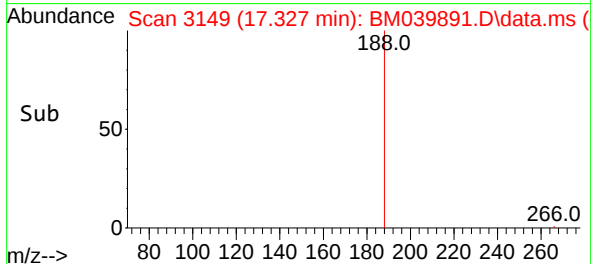
Instrument :
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Tgt Ion:178 Resp: 1908209
 Ion Ratio Lower Upper
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 179 15.9 13.8 20.6
 176 19.0 15.8 23.8

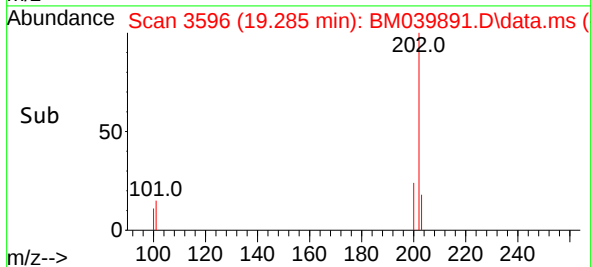
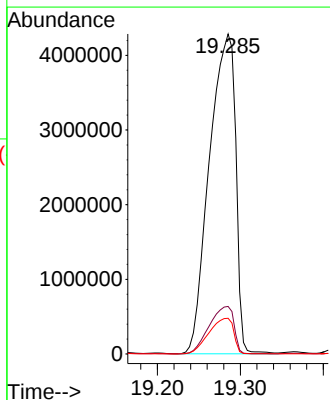
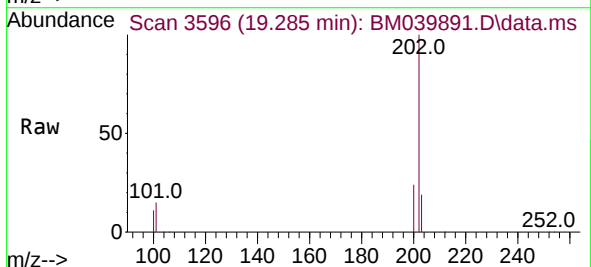
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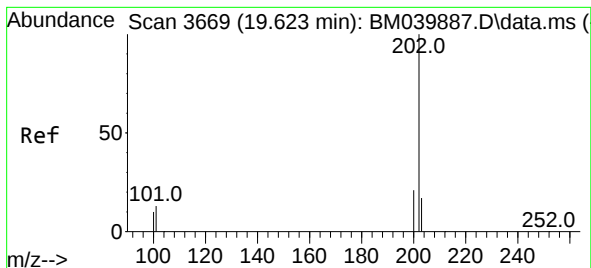
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#19
 Fluoranthene
 Concen: 423.259 ng/ul
 RT: 19.285 min Scan# 3596
 Delta R.T. 0.029 min
 Lab File: BM039891.D
 Acq: 09 May 2023 13:32

Tgt Ion:202 Resp: 9417995
 Ion Ratio Lower Upper
 202 100
 101 14.9 9.8 14.8#
 100 11.2 7.3 10.9#





#20

Pyrene

Concen: 335.446 ng/ul

RT: 19.648 min Scan# 30

Delta R.T. 0.025 min

Lab File: BM039891.D

Acq: 09 May 2023 13:32

Instrument :

BNA_M

ClientSampleId :

EW942

Tgt Ion:202 Resp: 806043

Ion Ratio Lower Upper

202 100

101 17.3 10.9 16.3

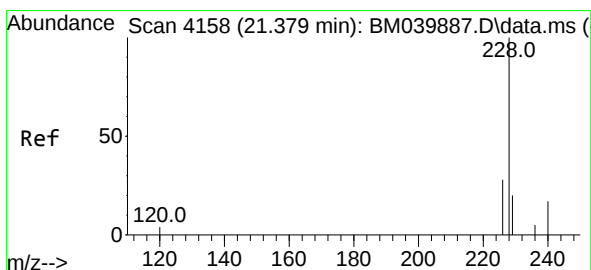
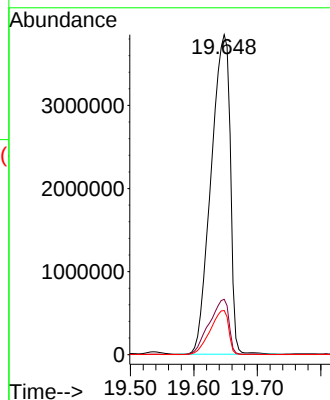
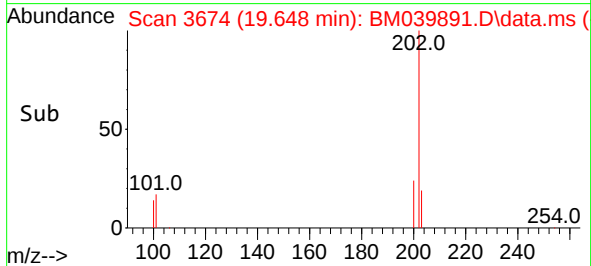
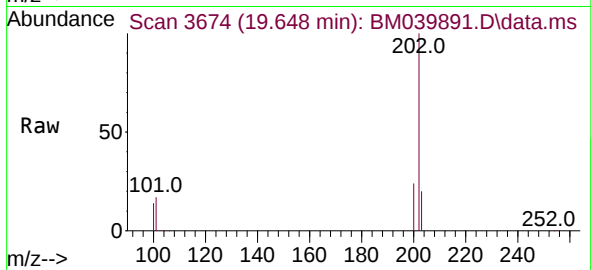
100 13.8 8.9 13.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/10/2023



#21

Benzo(a)anthracene

Concen: 246.297 ng/ul

RT: 21.394 min Scan# 4163

Delta R.T. 0.014 min

Lab File: BM039891.D

Acq: 09 May 2023 13:32

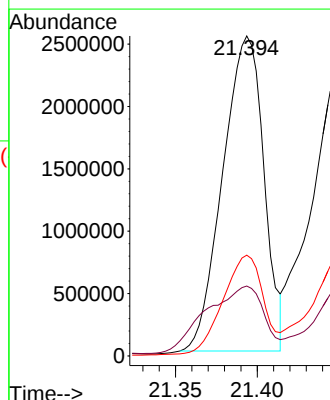
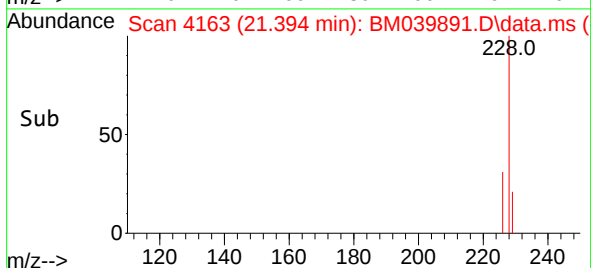
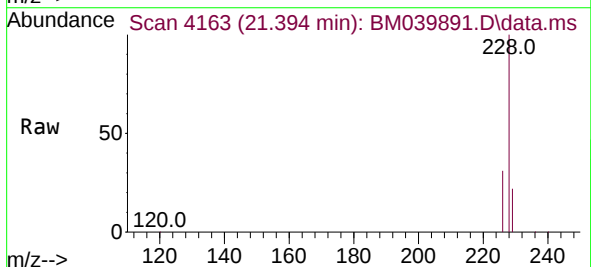
Tgt Ion:228 Resp: 4416670

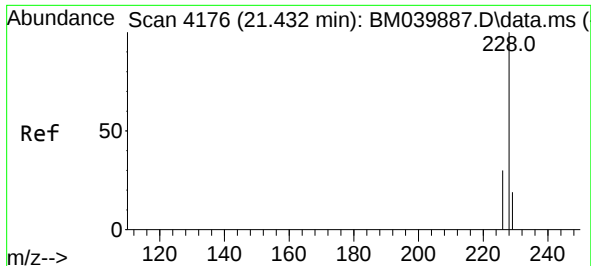
Ion Ratio Lower Upper

228 100

229 21.9 16.2 24.2

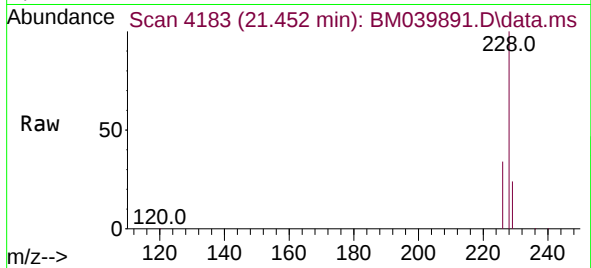
226 31.5 21.6 32.4





#22
Chrysene
Concen: 207.747 ng/ul
RT: 21.452 min Scan# 4176
Delta R.T. 0.020 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

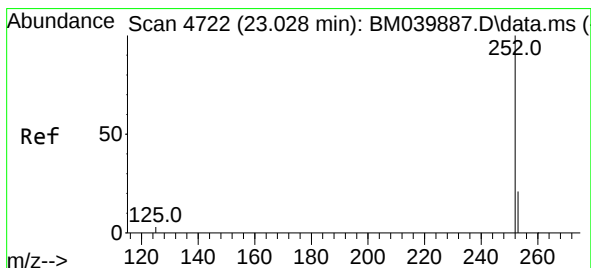
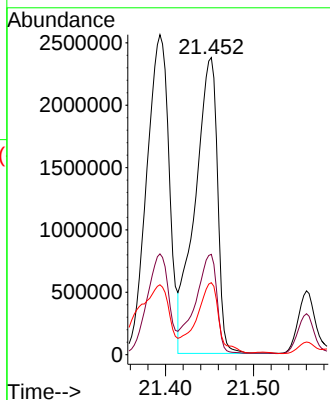
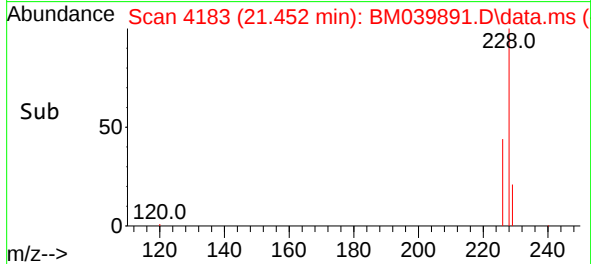
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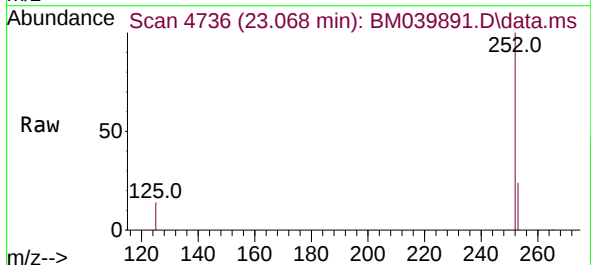
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Ion Ratio Lower Upper
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226 33.8 24.3 36.5
229 24.3 15.9 23.9

Manual Integrations
APPROVED

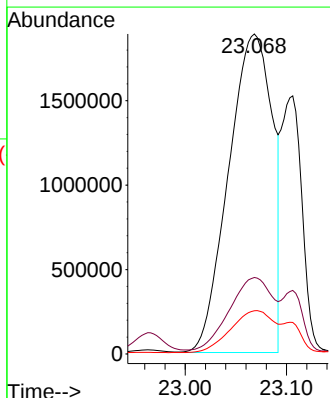
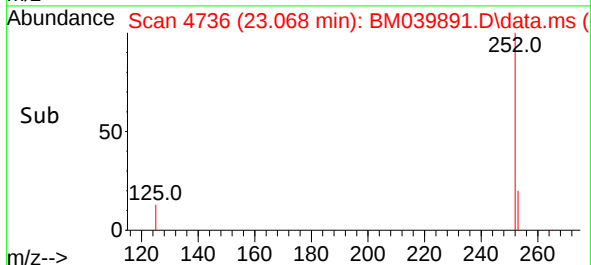
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

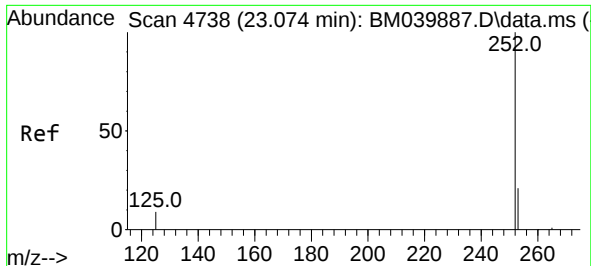


#24
Benzo(b)fluoranthene
Concen: 89.639 ng/ul m
RT: 23.068 min Scan# 4736
Delta R.T. 0.041 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32



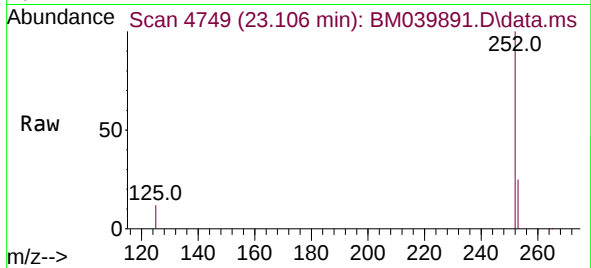
Tgt Ion:252 Resp: 5671215
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 13.5 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 33.239 ng/ul m
RT: 23.106 min Scan# 41
Delta R.T. 0.032 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

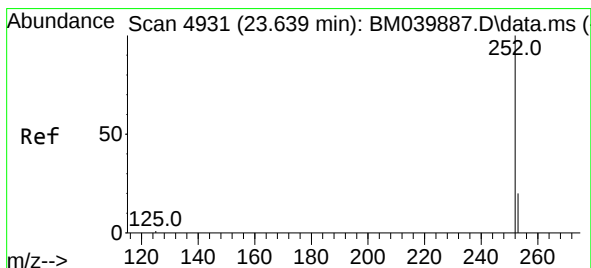
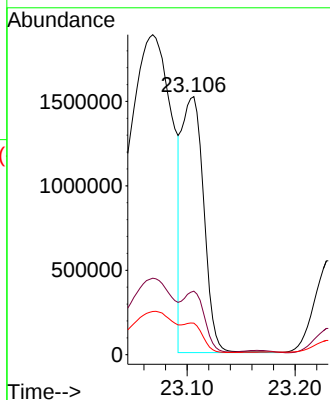
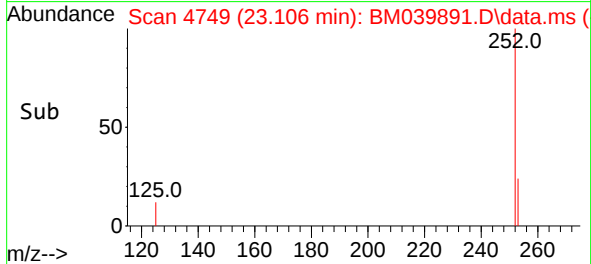
Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:252 Resp: 214127
Ion Ratio Lower Upper
252 100
253 24.6 21.3 31.9
125 12.2 13.0 19.6

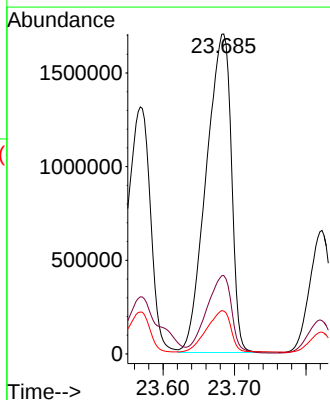
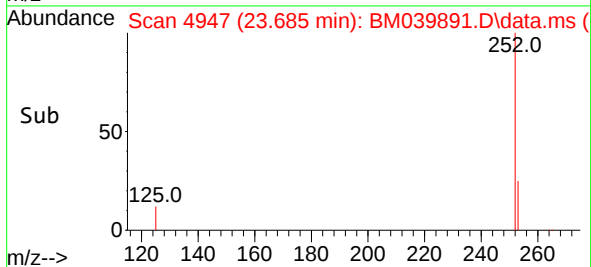
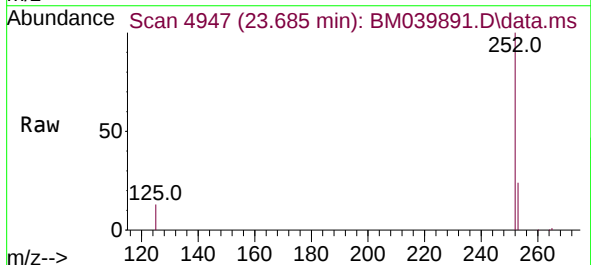
Manual Integrations
APPROVED

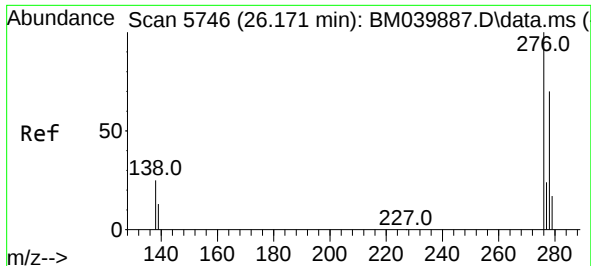
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#26
Benzo(a)pyrene
Concen: 72.933 ng/ul
RT: 23.685 min Scan# 4947
Delta R.T. 0.046 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

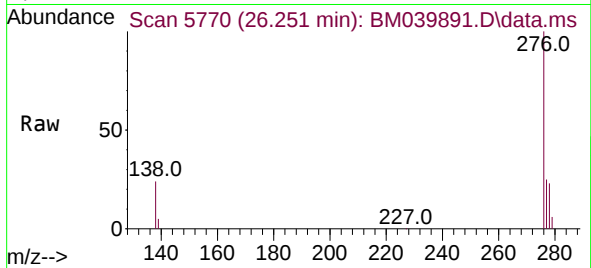
Tgt Ion:252 Resp: 4142815
Ion Ratio Lower Upper
252 100
253 24.5 24.7 37.1#
125 13.4 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 42.508 ng/ul
RT: 26.251 min Scan# 5770
Delta R.T. 0.080 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

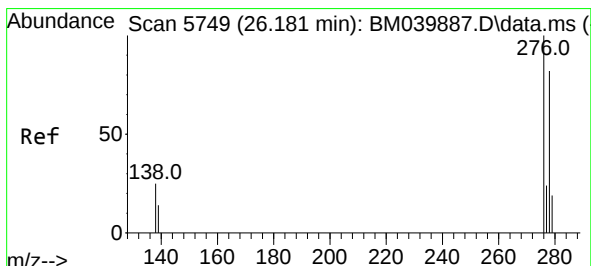
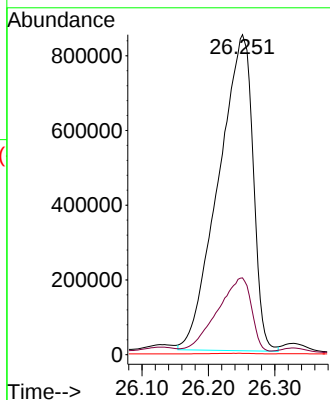
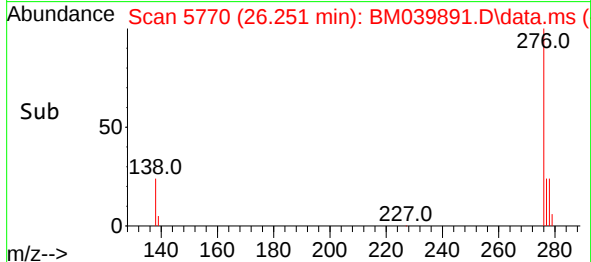
Instrument :
BNA_M
ClientSampleId :
EW942



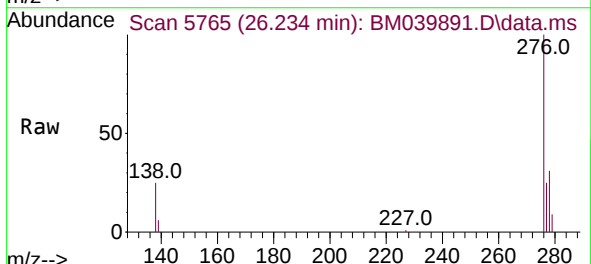
Tgt Ion:276 Resp: 305321
Ion Ratio Lower Upper
276 100
138 23.2 21.1 31.7
227 0.2 0.1 0.1

Manual Integrations
APPROVED

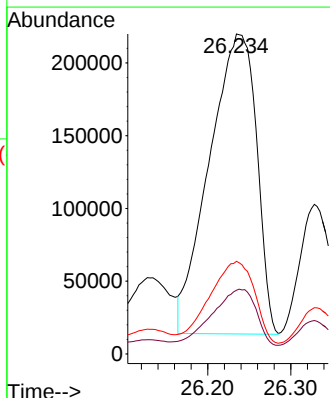
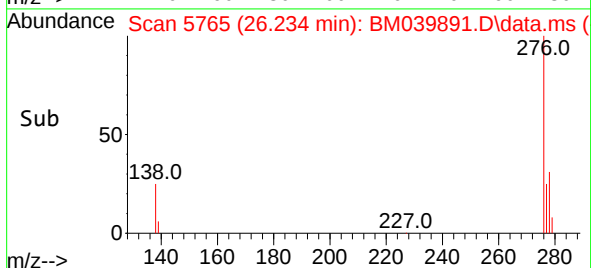
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

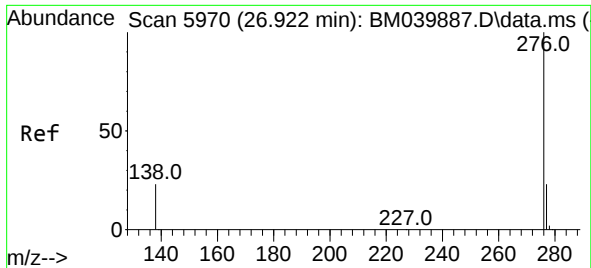


#28
Dibenzo(a,h)anthracene
Concen: 14.625 ng/ul
RT: 26.234 min Scan# 5765
Delta R.T. 0.053 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32



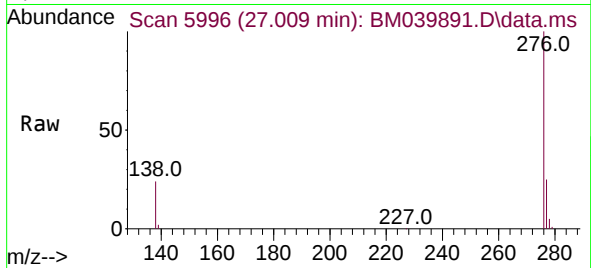
Tgt Ion:278 Resp: 815333
Ion Ratio Lower Upper
278 100
139 19.9 17.0 25.6
279 29.0 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 42.316 ng/ul
RT: 27.009 min Scan# 5996
Delta R.T. 0.087 min
Lab File: BM039891.D
Acq: 09 May 2023 13:32

Instrument :
BNA_M
ClientSampleId :
EW942



Tgt Ion:276 Resp: 264842
Ion Ratio Lower Upper
276 100
138 24.5 20.1 30.1
277 25.4 20.1 30.1

Manual Integrations
APPROVED

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

