

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039847.D
 Acq On : 05 May 2023 16:20
 Operator : CG/JU
 Sample : 02479-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW950

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 02:47:51 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 May 06 02:22:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	2035	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.584	136	8438	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.437	164	5096	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	11809	0.400	ng/ul	-0.02
17) Chrysene-d12	21.389	240	10058	0.400	ng/ul	-0.02
23) Perylene-d12	23.733	264	10274	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.172	96	5887	1.963	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152	1730	0.160	ng/ul	-0.02
18) Fluoranthene-d10	19.225	212	4816	0.178	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.633	128	3822	0.180	ng/ul#	93
7) 2-Methylnaphthalene	12.272	142	2183	0.179	ng/ul	95
8) 1-Methylnaphthalene	12.481	142	1879	0.143	ng/ul	99
10) Acenaphthylene	14.154	152	3766	0.191	ng/ul#	91
11) Acenaphthene	14.497	153	5487	0.354	ng/ul	100
12) Fluorene	15.491	166	6646	0.387	ng/ul	99
15) Phenanthrene	17.229	178	117792	3.786	ng/ul	99
16) Anthracene	17.322	178	24102	0.902	ng/ul	98
19) Fluoranthene	19.257	202	193404	5.390	ng/ul	96
20) Pyrene	19.620	202	155374	4.010	ng/ul	98
21) Benzo(a)anthracene	21.372	228	83286	2.880	ng/ul	98
22) Chrysene	21.424	228	80999	2.475	ng/ul	98
24) Benzo(b)fluoranthene	23.023	252	110047m	3.050	ng/ul	
25) Benzo(k)fluoranthene	23.064	252	38961m	1.060	ng/ul	
26) Benzo(a)pyrene	23.628	252	69106	2.133	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.159	276	49072	1.198	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.162	278	11324	0.356	ng/ul#	84
29) Benzo(g,h,i)perylene	26.907	276	47132	1.320	ng/ul	99

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

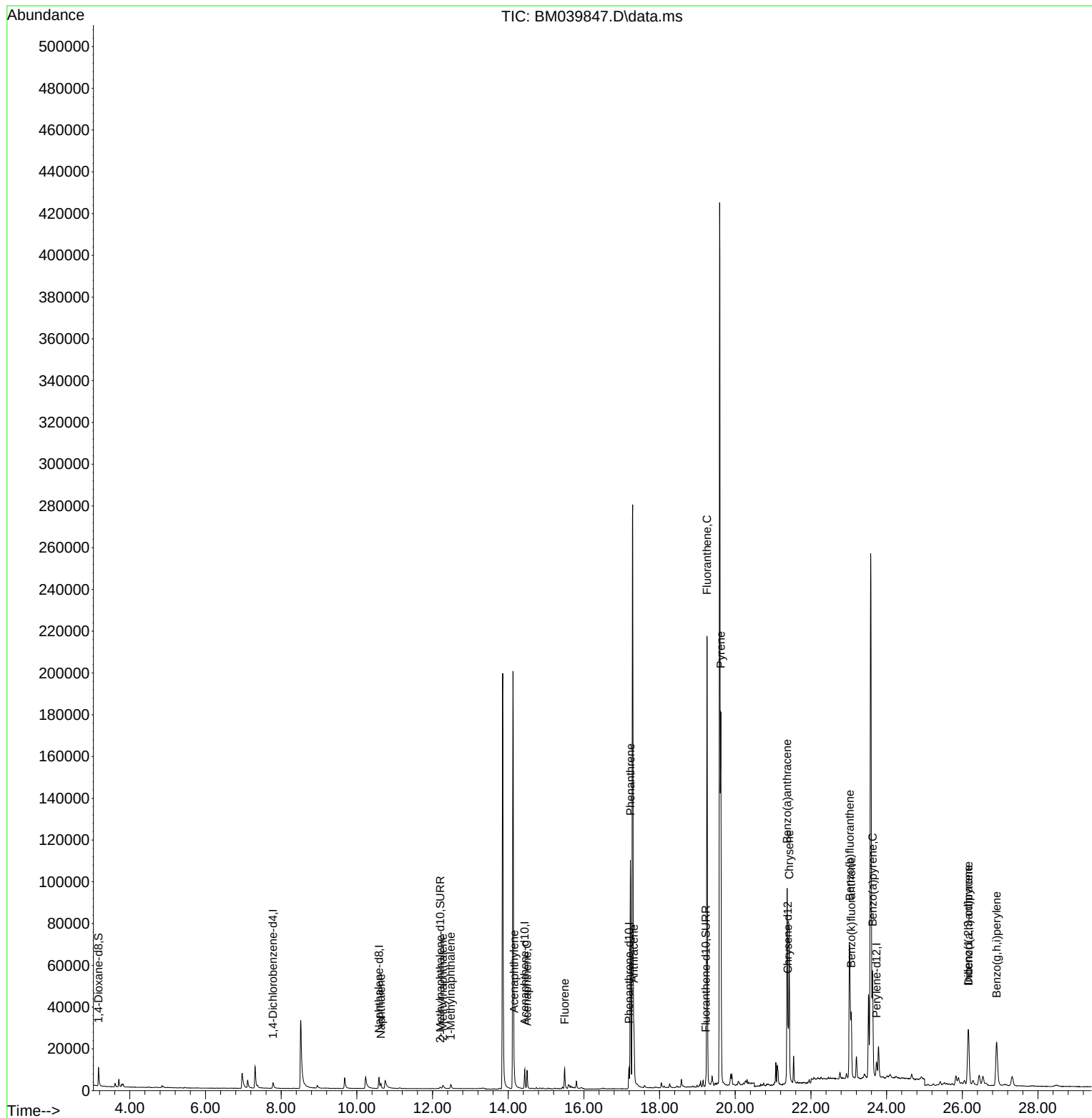
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
Data File : BM039847.D
Acq On : 05 May 2023 16:20
Operator : CG/JU
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ALS Vial : 13 Sample Multiplier: 1

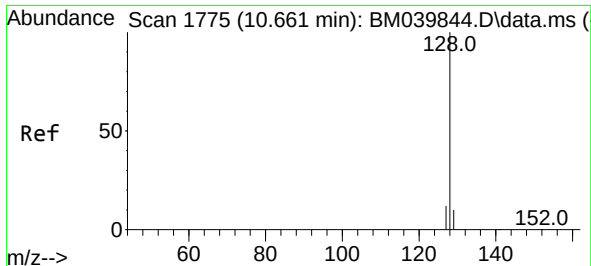
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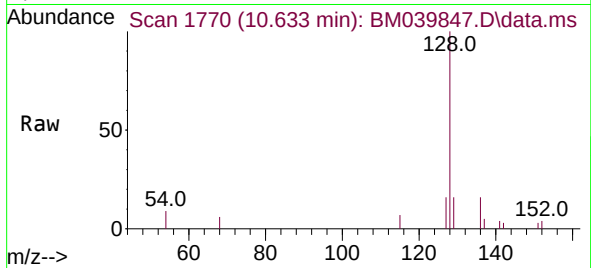
Quant Time: May 06 02:47:51 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 06 02:22:07 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.180 ng/ul
RT: 10.633 min Scan# 11
Delta R.T. -0.028 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

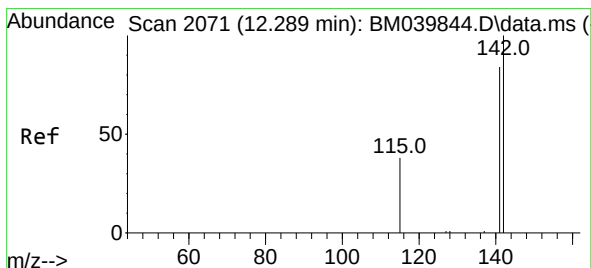
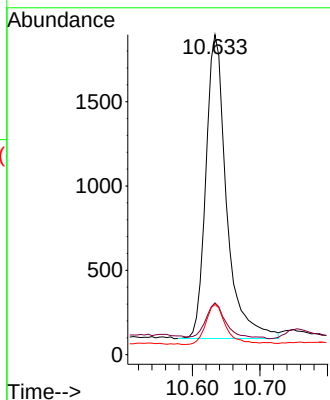
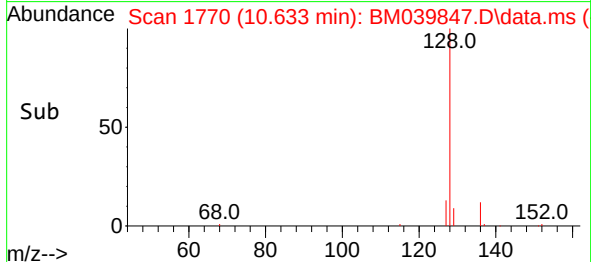
Instrument :
BNA_M
ClientSampleId :
EW950



Tgt Ion:128 Resp: 382
Ion Ratio Lower Upper
128 100
129 16.2 9.8 14.6
127 15.7 11.1 16.7

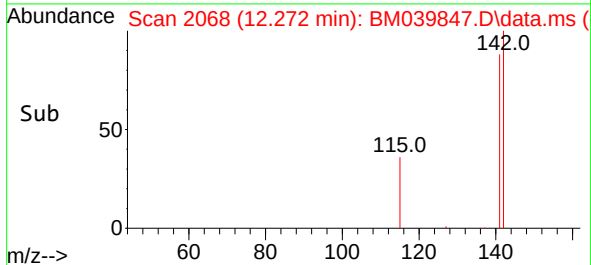
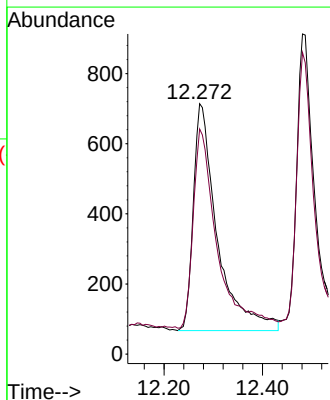
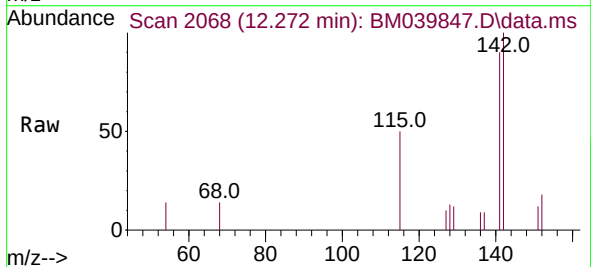
Manual Integrations
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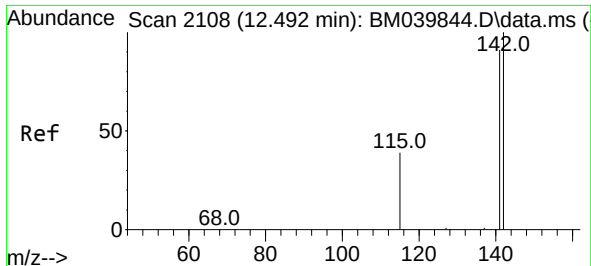
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#7
2-Methylnaphthalene
Concen: 0.179 ng/ul
RT: 12.272 min Scan# 2068
Delta R.T. -0.017 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

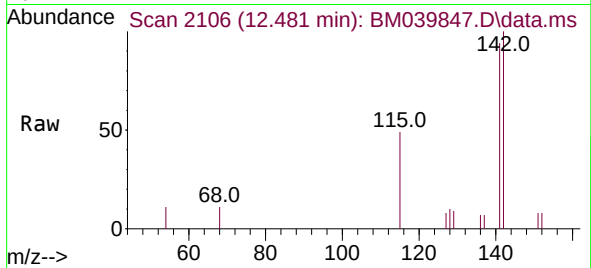
Tgt Ion:142 Resp: 2183
Ion Ratio Lower Upper
142 100
141 87.1 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.143 ng/ul
RT: 12.481 min Scan# 2106
Delta R.T. -0.011 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

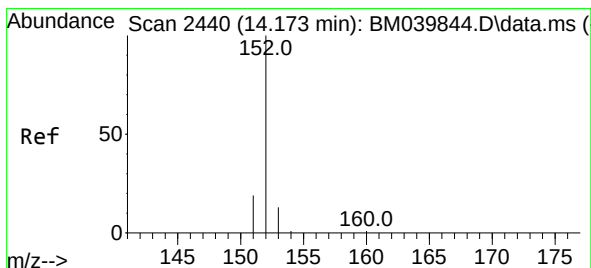
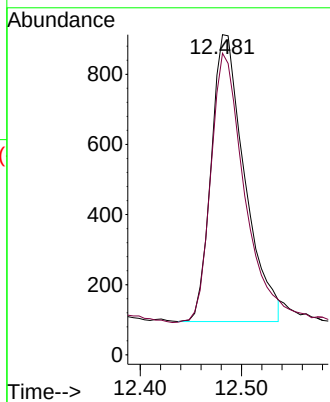
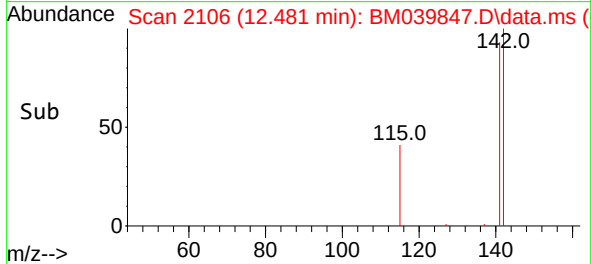
Instrument :
BNA_M
ClientSampleId :
EW950



Tgt Ion:142 Resp: 1879
Ion Ratio Lower Upper
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141 93.1 73.4 110.2

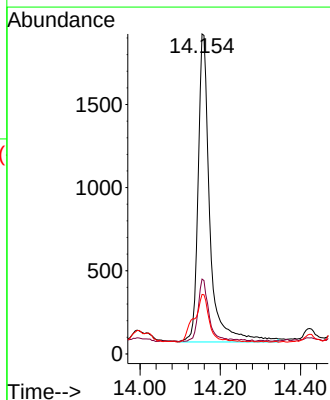
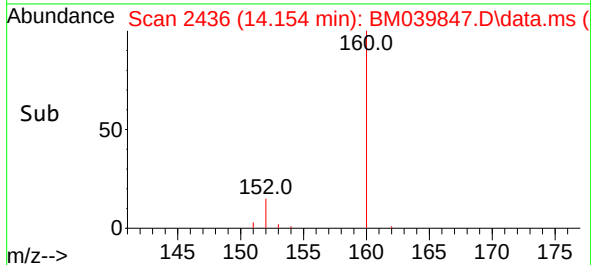
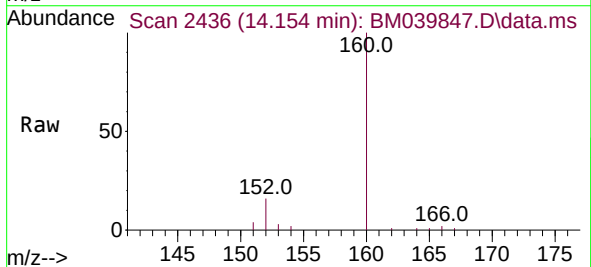
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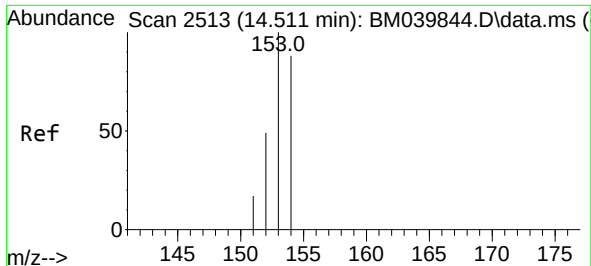
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#10
Acenaphthylene
Concen: 0.191 ng/ul
RT: 14.154 min Scan# 2436
Delta R.T. -0.019 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

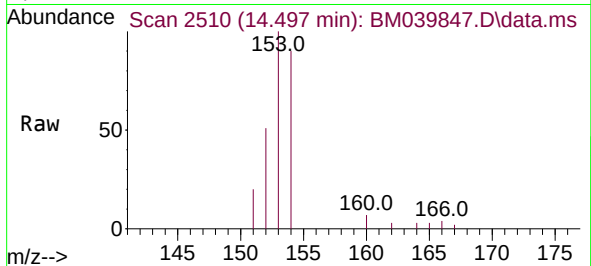
Tgt Ion:152 Resp: 3766
Ion Ratio Lower Upper
152 100
151 23.4 16.0 24.0
153 18.6 11.2 16.8#





#11
Acenaphthene
Concen: 0.354 ng/ul
RT: 14.497 min Scan# 210
Delta R.T. -0.014 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

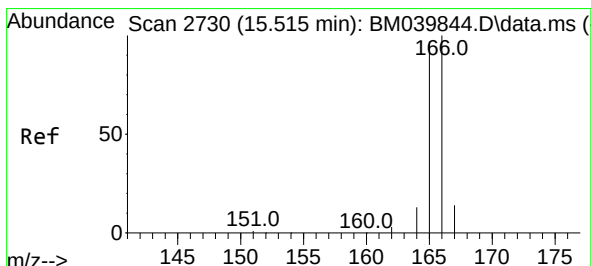
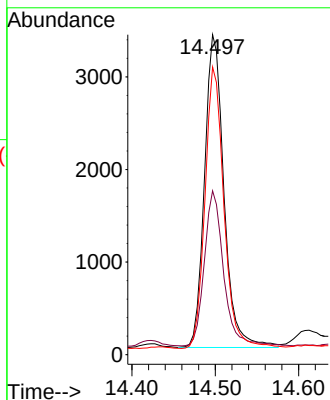
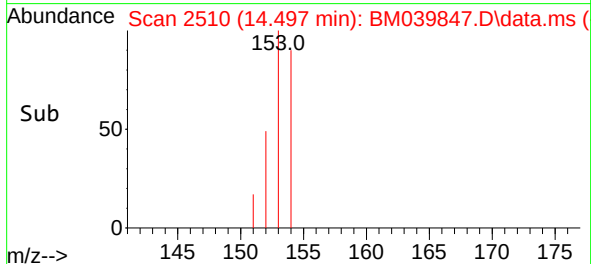
Instrument :
BNA_M
ClientSampleId :
EW950



Tgt Ion:153 Resp: 548
Ion Ratio Lower Upper
153 100
152 51.2 40.6 61.0
154 89.9 71.9 107.9

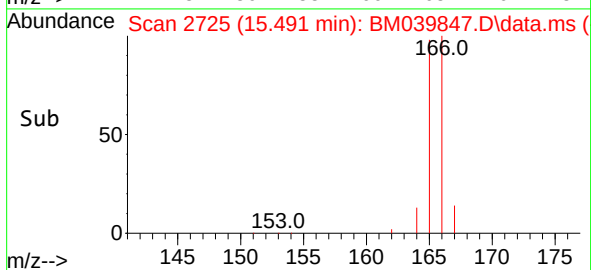
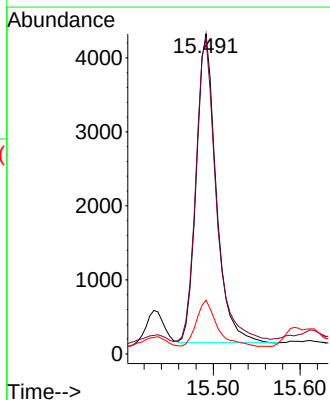
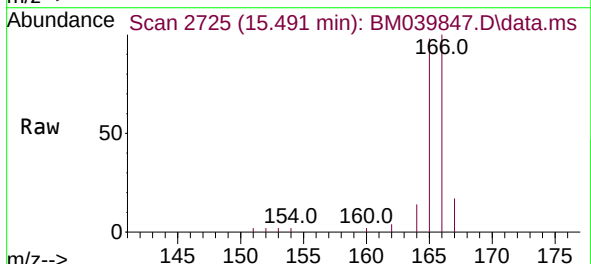
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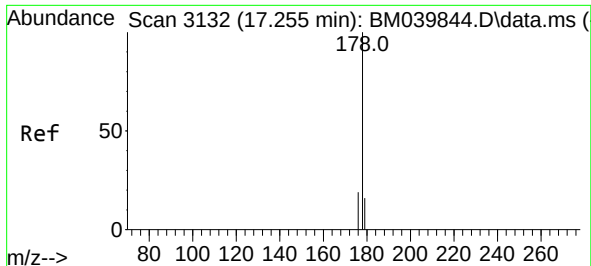
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#12
Fluorene
Concen: 0.387 ng/ul
RT: 15.491 min Scan# 2725
Delta R.T. -0.023 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

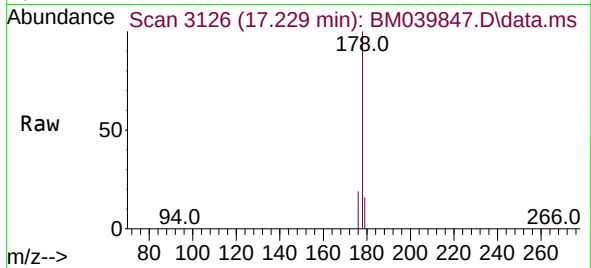
Tgt Ion:166 Resp: 6646
Ion Ratio Lower Upper
166 100
165 98.2 79.0 118.6
167 16.8 11.8 17.6





#15
Phenanthrene
Concen: 3.786 ng/ul
RT: 17.229 min Scan# 3112
Delta R.T. -0.025 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

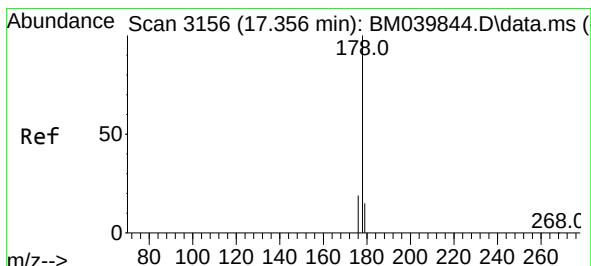
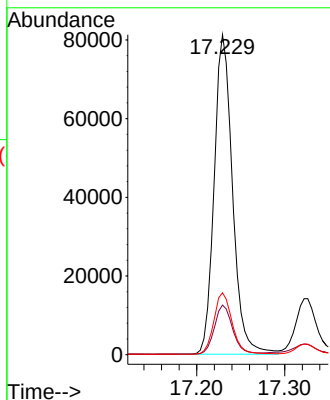
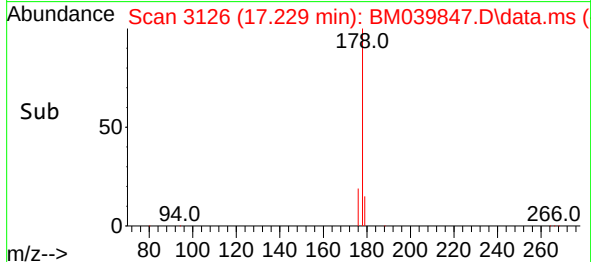
Instrument :
BNA_M
ClientSampleId :
EW950



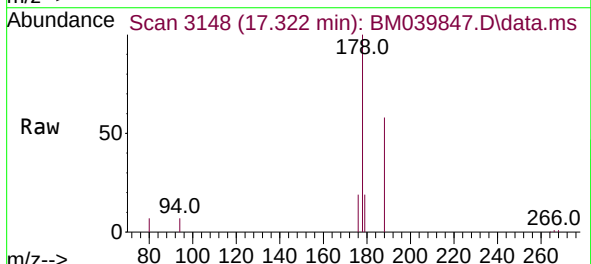
Tgt Ion:178 Resp: 117792
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.6
176 19.3 15.8 23.8

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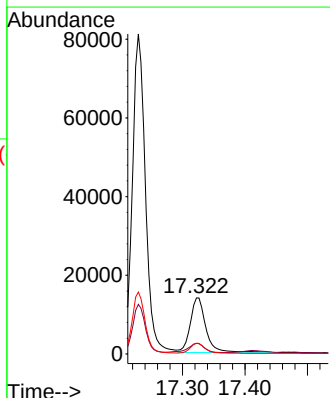
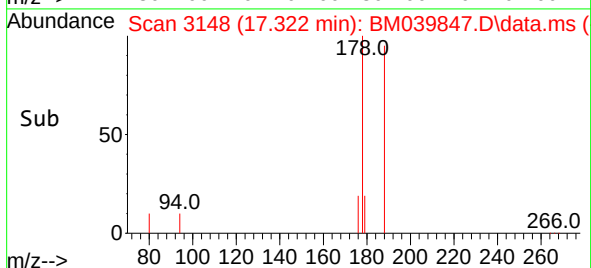
Reviewed By :Christian Giraldo 05/08/2023
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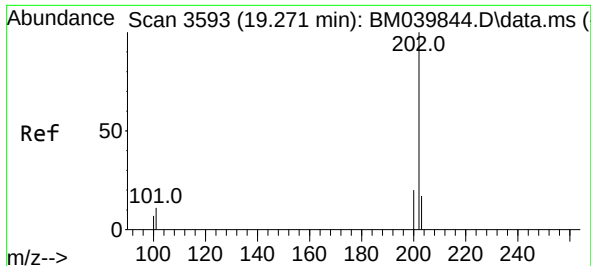


#16
Anthracene
Concen: 0.902 ng/ul
RT: 17.322 min Scan# 3148
Delta R.T. -0.034 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20



Tgt Ion:178 Resp: 24102
Ion Ratio Lower Upper
178 100
179 18.8 13.8 20.6
176 19.2 15.8 23.8





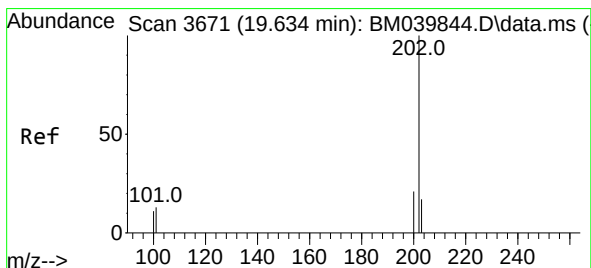
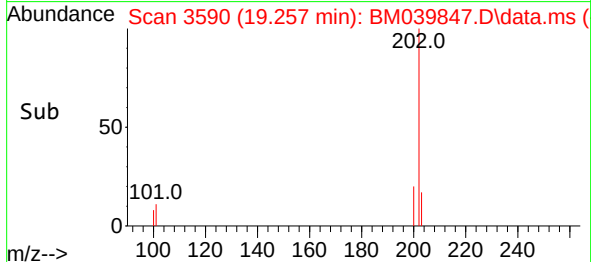
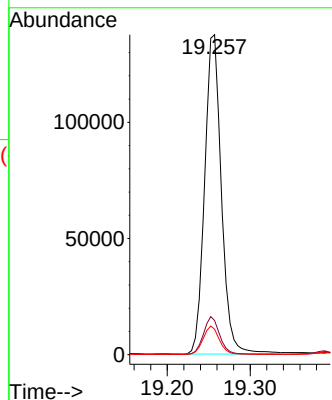
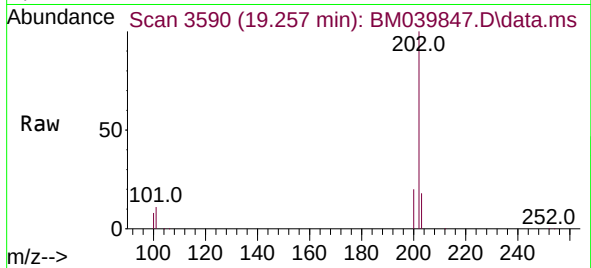
#19
Fluoranthene
Concen: 5.390 ng/u1
RT: 19.257 min Scan# 31
Delta R.T. -0.014 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

Instrument :
BNA_M
ClientSampleId :
EW950

Tgt Ion:202 Resp: 193404
Ion Ratio Lower Upper
202 100
101 10.7 9.8 14.8
100 7.9 7.3 10.9

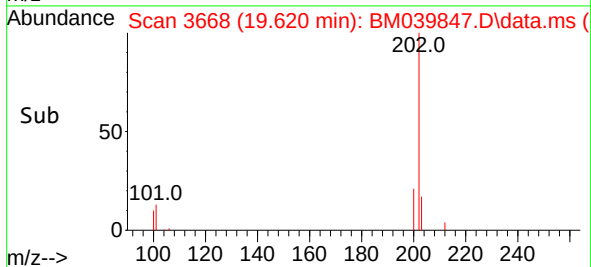
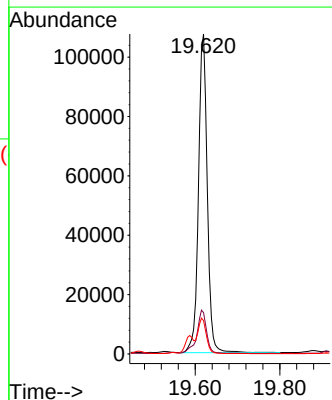
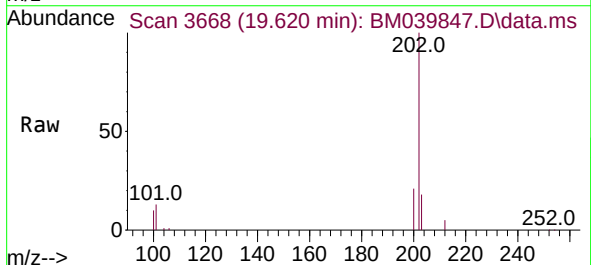
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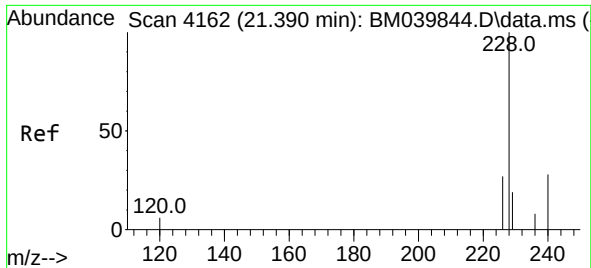
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#20
Pyrene
Concen: 4.010 ng/u1
RT: 19.620 min Scan# 3668
Delta R.T. -0.014 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

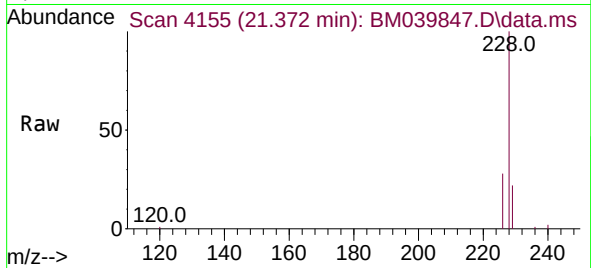
Tgt Ion:202 Resp: 155374
Ion Ratio Lower Upper
202 100
101 12.9 10.9 16.3
100 10.4 8.9 13.3





#21
Benzo(a)anthracene
Concen: 2.880 ng/ul
RT: 21.372 min Scan# 4162
Delta R.T. -0.019 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

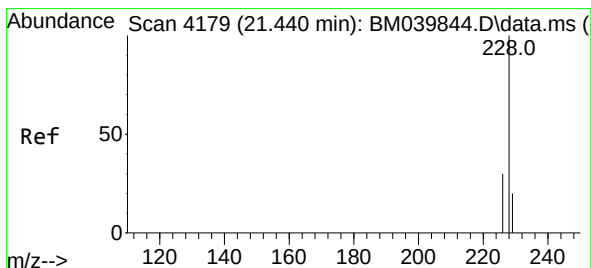
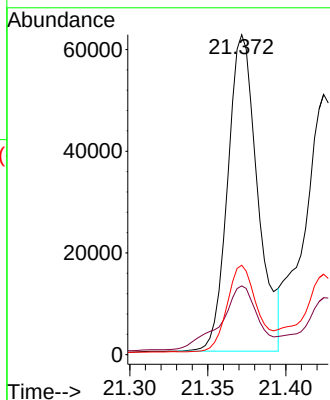
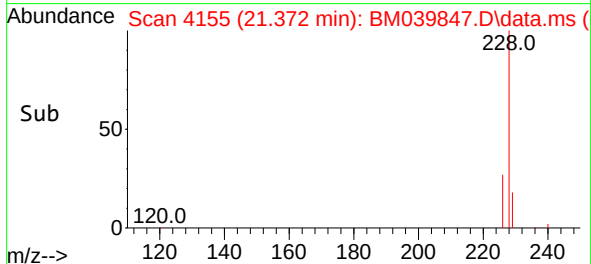
Instrument :
BNA_M
ClientSampleId :
EW950



Tgt Ion:228 Resp: 83280
Ion Ratio Lower Upper
228 100
229 21.5 16.2 24.2
226 28.0 21.6 32.4

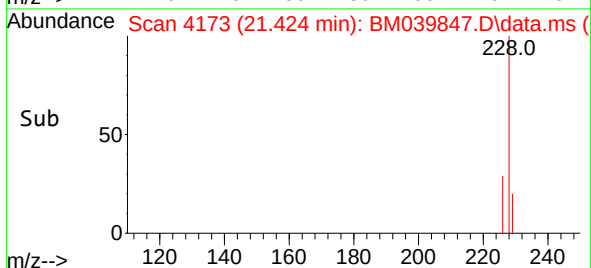
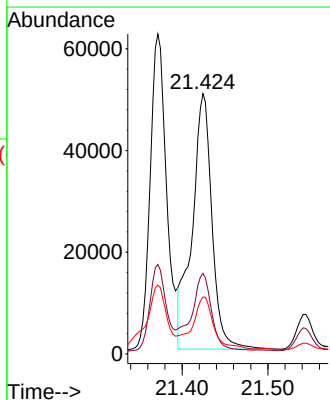
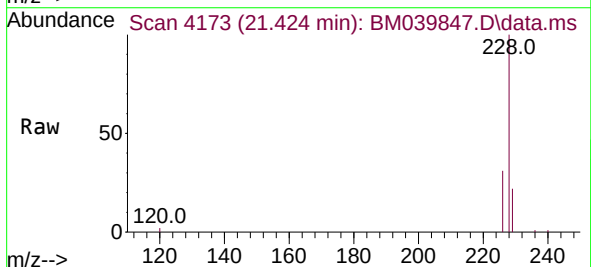
Manual Integrations
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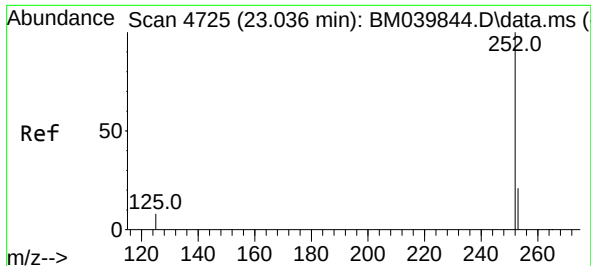
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#22
Chrysene
Concen: 2.475 ng/ul
RT: 21.424 min Scan# 4173
Delta R.T. -0.016 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

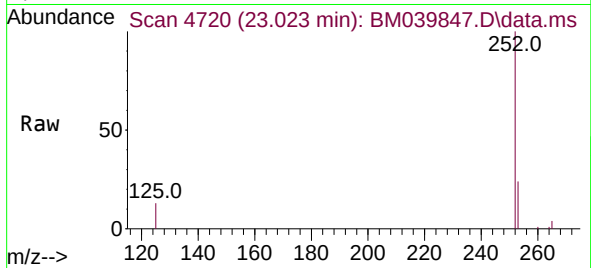
Tgt Ion:228 Resp: 80999
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.9 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 3.050 ng/ul m
RT: 23.023 min Scan# 4720
Delta R.T. -0.013 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

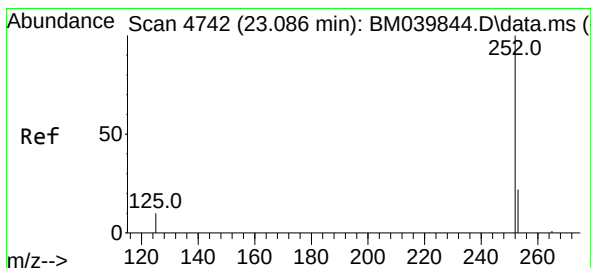
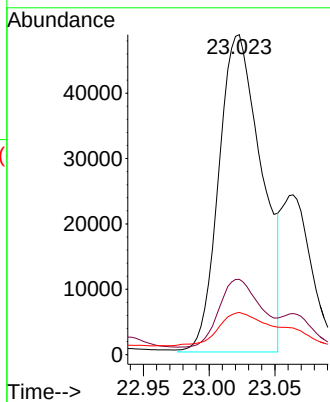
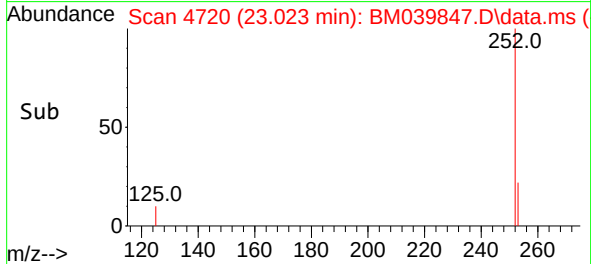
Instrument :
BNA_M
ClientSampleId :
EW950



Tgt Ion:252 Resp: 11004
Ion Ratio Lower Upper
252 100
253 23.6 0.0 52.8
125 13.2 0.0 31.6

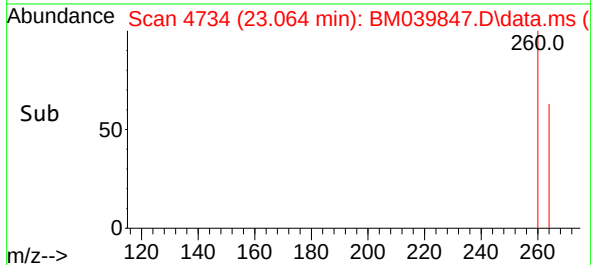
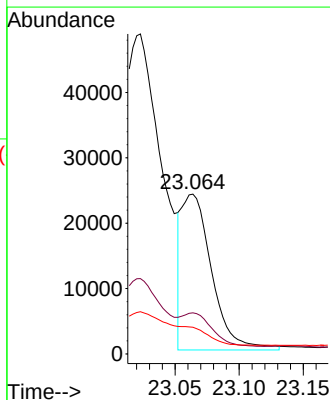
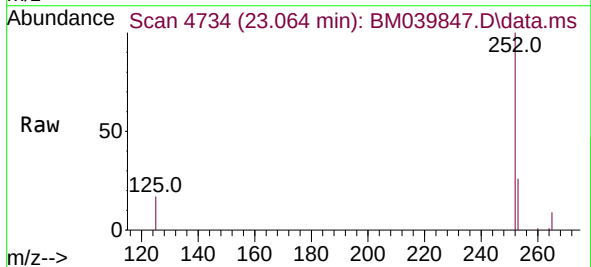
Manual Integrations
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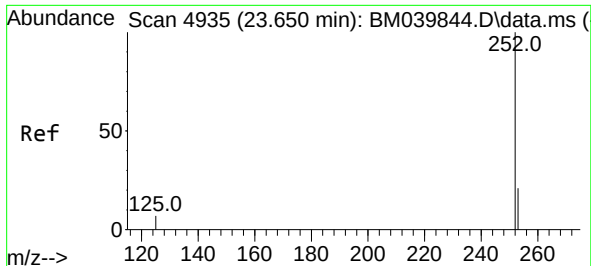
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#25
Benzo(k)fluoranthene
Concen: 1.060 ng/ul m
RT: 23.064 min Scan# 4734
Delta R.T. -0.022 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

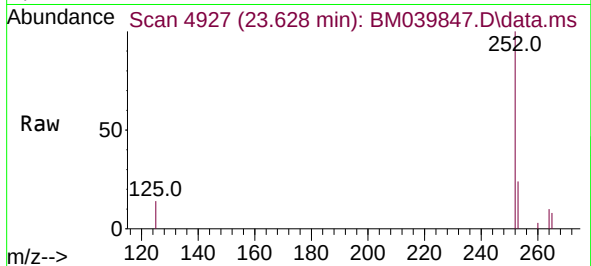
Tgt Ion:252 Resp: 38961
Ion Ratio Lower Upper
252 100
253 25.7 21.3 31.9
125 16.7 13.0 19.6





#26
Benzo(a)pyrene
Concen: 2.133 ng/ul
RT: 23.628 min Scan# 4935
Delta R.T. -0.022 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

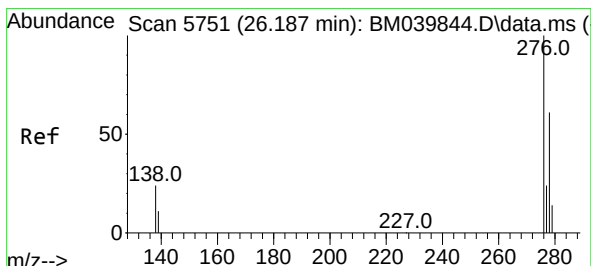
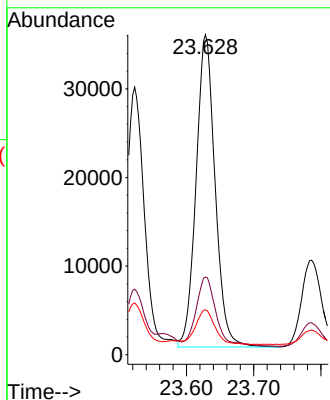
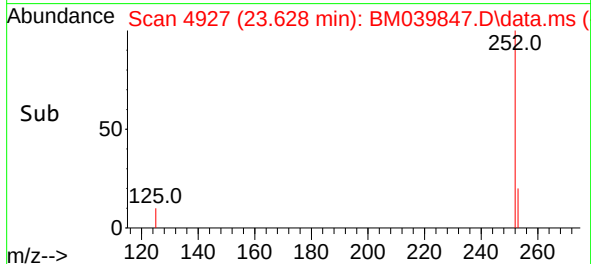
Instrument :
BNA_M
ClientSampleId :
EW950



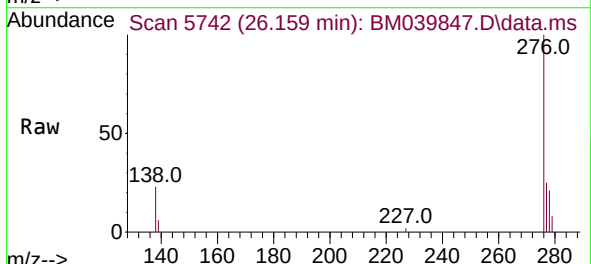
Tgt Ion:252 Resp: 69100
Ion Ratio Lower Upper
252 100
253 24.3 24.7 37.1
125 14.0 16.5 24.7

Manual Integrations
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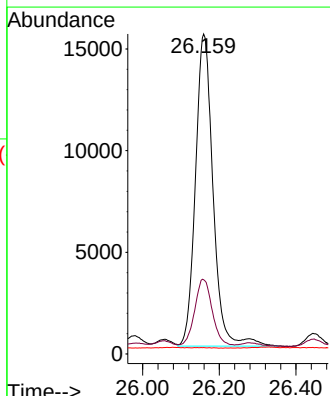
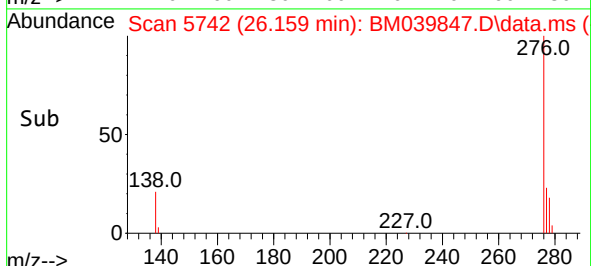
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

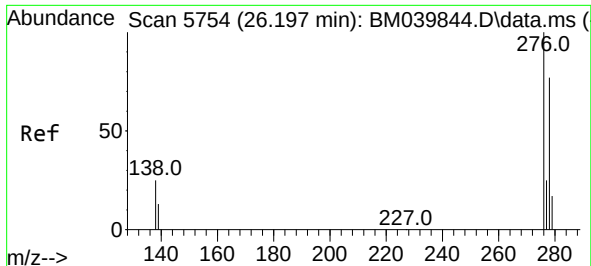


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.198 ng/ul
RT: 26.159 min Scan# 5742
Delta R.T. -0.028 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20



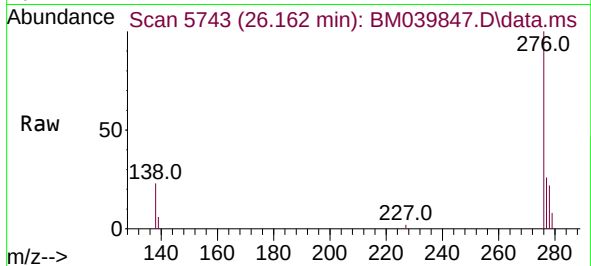
Tgt Ion:276 Resp: 49072
Ion Ratio Lower Upper
276 100
138 20.8 21.1 31.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.356 ng/ul
RT: 26.162 min Scan# 51
Delta R.T. -0.035 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20

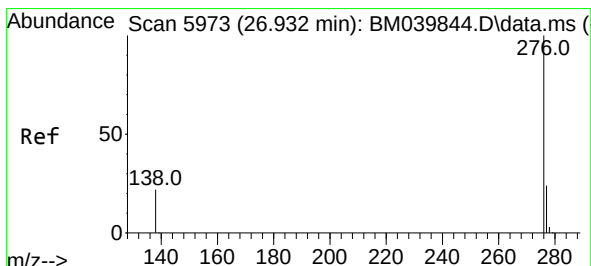
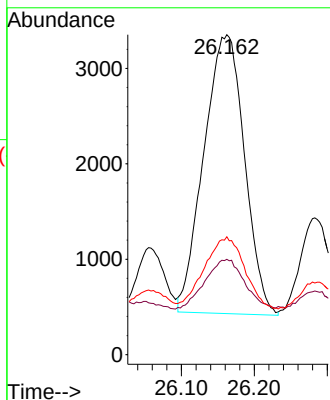
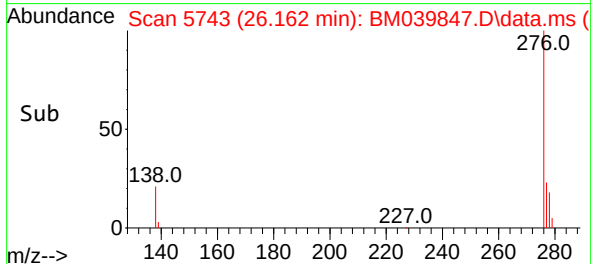
Instrument :
BNA_M
ClientSampleId :
EW950



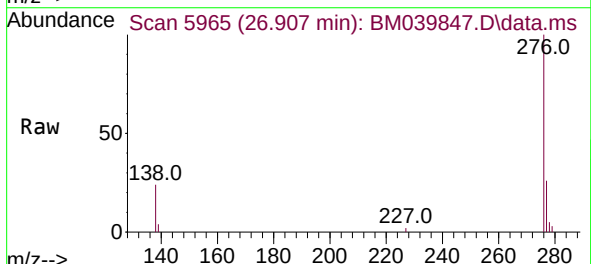
Tgt Ion:278 Resp: 11324
Ion Ratio Lower Upper
278 100
139 29.8 17.0 25.6
279 36.8 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Benzo(g,h,i)perylene
Concen: 1.320 ng/ul
RT: 26.907 min Scan# 5965
Delta R.T. -0.025 min
Lab File: BM039847.D
Acq: 05 May 2023 16:20



Tgt Ion:276 Resp: 47132
Ion Ratio Lower Upper
276 100
138 24.4 20.1 30.1
277 25.6 20.1 30.1

