

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039898.D
 Acq On : 09 May 2023 17:47
 Operator : CG/JU
 Sample : 02479-08DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW949DL

Manual Integrations
 APPROVED

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

Quant Time: May 10 00:28:05 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	2498	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.584	136	8804	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	4974	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	10308	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.395	240	6922	0.400	ng/ul	# 0.00
23) Perylene-d12	23.748	264	9252	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	996	0.271	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.184	152	319	0.028	ng/ul	0.00
18) Fluoranthene-d10	19.229	212	764	0.041	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.633	128	9328	0.422	ng/ul	99
7) 2-Methylnaphthalene	12.256	142	9722	0.762	ng/ul	97
8) 1-Methylnaphthalene	12.470	142	7582	0.554	ng/ul	100
10) Acenaphthylene	14.159	152	11938	0.620	ng/ul#	95
11) Acenaphthene	14.501	153	26265	1.737	ng/ul	98
12) Fluorene	15.491	166	29074	1.733	ng/ul	99
15) Phenanthrene	17.233	178	592346	21.812	ng/ul	98
16) Anthracene	17.326	178	136675	5.861	ng/ul	98
19) Fluoranthene	19.262	202	958982	38.833	ng/ul	99
20) Pyrene	19.629	202	769971	28.872	ng/ul	97
21) Benzo(a)anthracene	21.380	228	378608	19.024	ng/ul	99
22) Chrysene	21.433	228	351618	15.612	ng/ul	98
24) Benzo(b)fluoranthene	23.035	252	475233m	14.626	ng/ul	
25) Benzo(k)fluoranthene	23.078	252	158744m	4.798	ng/ul	
26) Benzo(a)pyrene	23.646	252	352898	12.097	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.192	276	252466	6.844	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.192	278	64136	2.240	ng/ul	95
29) Benzo(g,h,i)perylene	26.947	276	236657	7.363	ng/ul	98

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

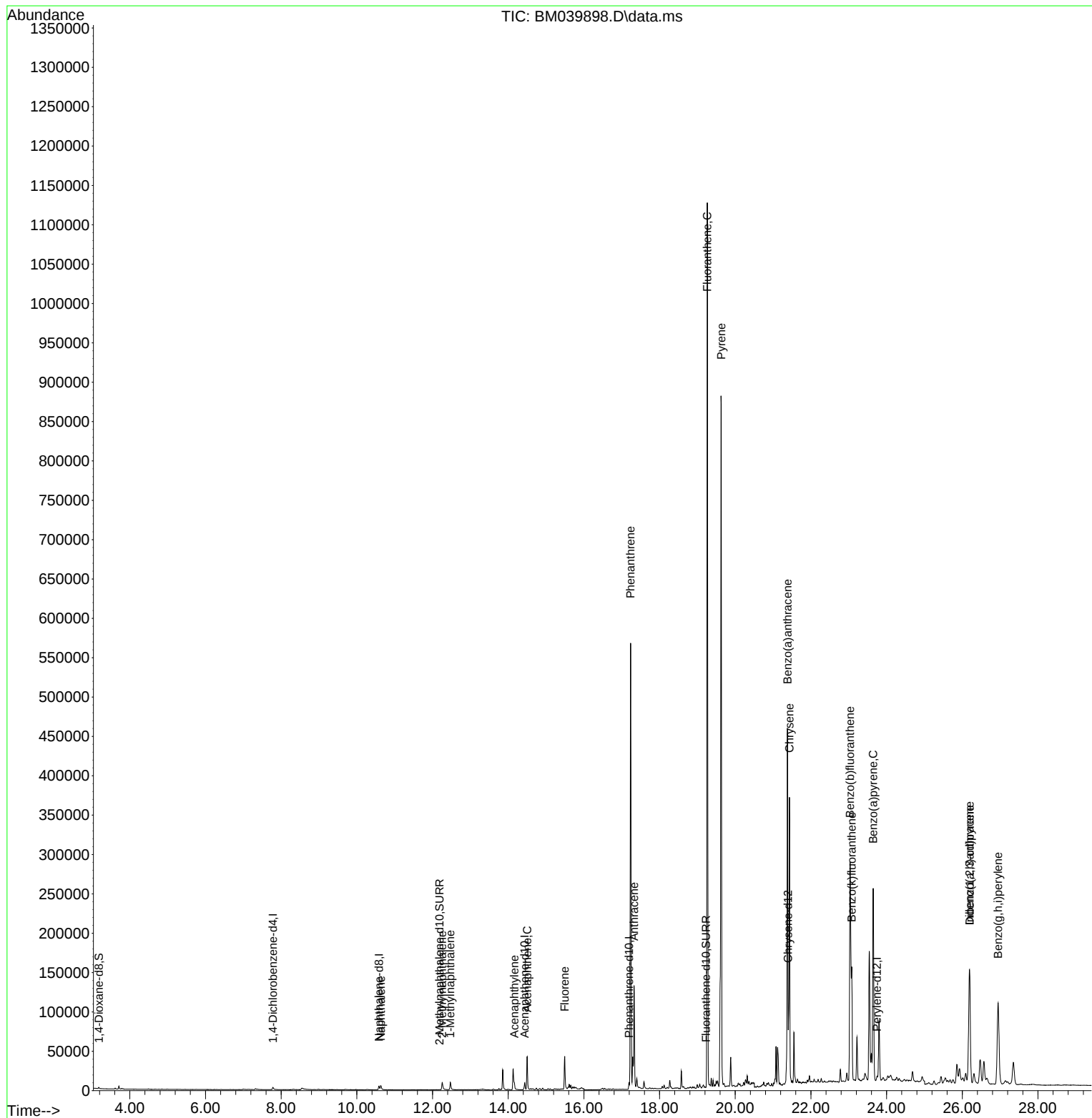
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
Data File : BM039898.D
Acq On : 09 May 2023 17:47
Operator : CG/JU
Sample : 02479-08DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

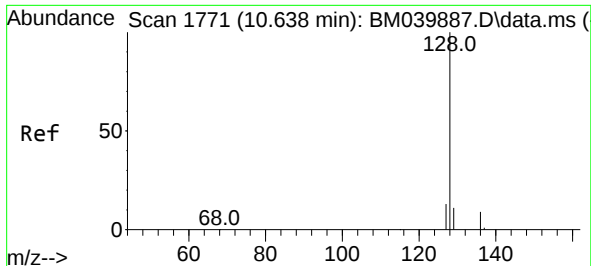
Instrument :
BNA_M
ClientSampleId :
EW949DL

Manual Integrations
APPROVED

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

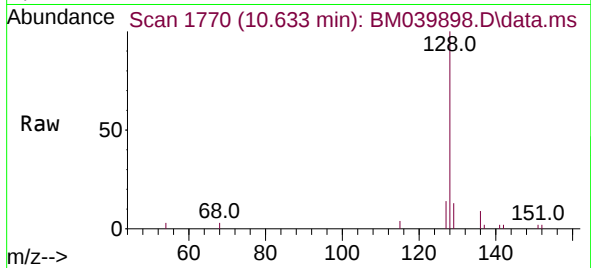
Quant Time: May 10 00:28:05 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 12:11:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.422 ng/ul
RT: 10.633 min Scan# 1771
Delta R.T. -0.004 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

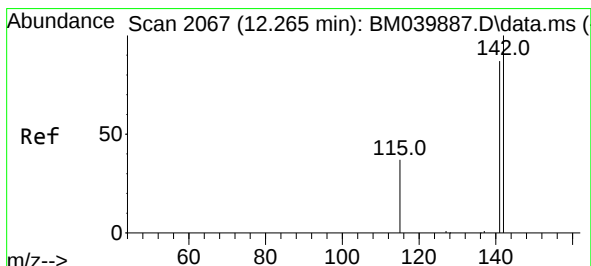
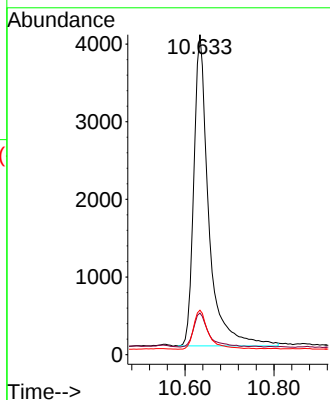
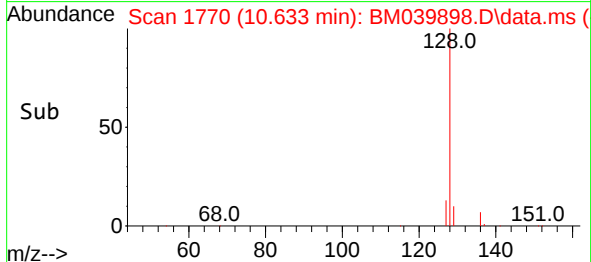
Instrument :
BNA_M
ClientSampleId :
EW949DL



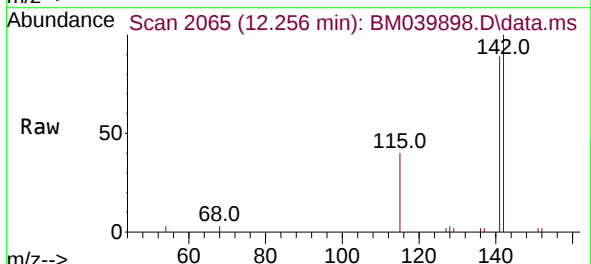
Tgt Ion:128 Resp: 9328
Ion Ratio Lower Upper
128 100
129 13.0 9.8 14.6
127 13.9 11.1 16.7

Manual Integrations
APPROVED

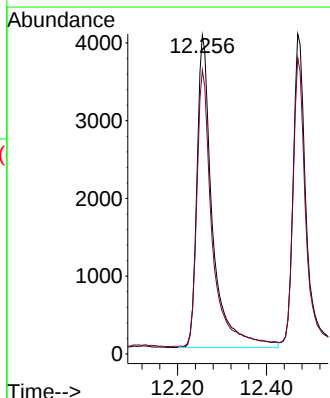
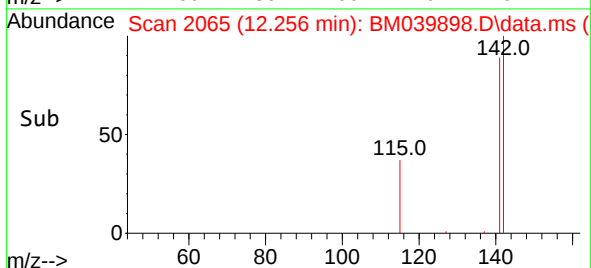
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

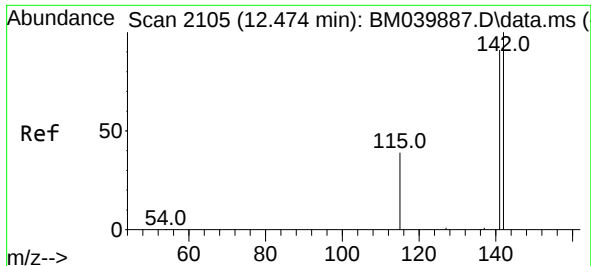


#7
2-Methylnaphthalene
Concen: 0.762 ng/ul
RT: 12.256 min Scan# 2065
Delta R.T. -0.010 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



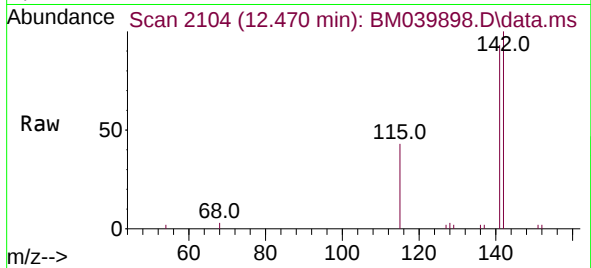
Tgt Ion:142 Resp: 9722
Ion Ratio Lower Upper
142 100
141 88.2 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.554 ng/ul
RT: 12.470 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

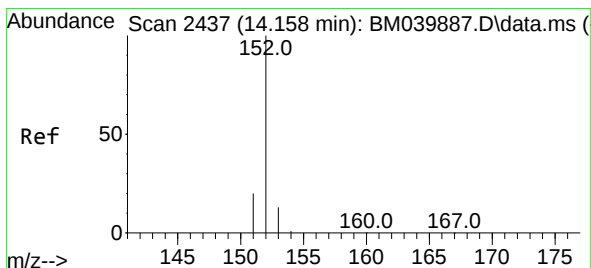
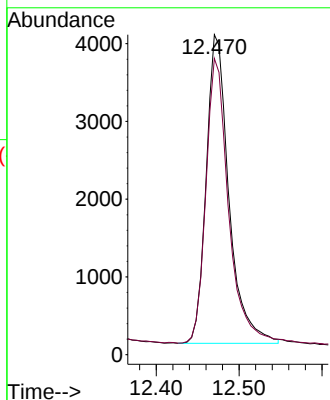
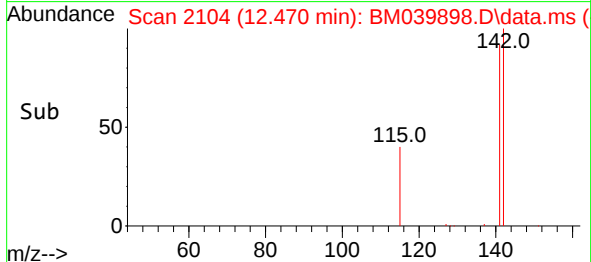
Instrument :
BNA_M
ClientSampleId :
EW949DL



Tgt Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
141 91.7 73.4 110.2

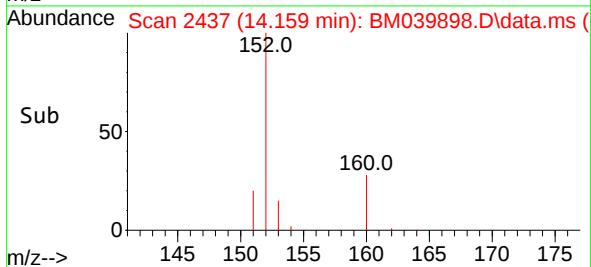
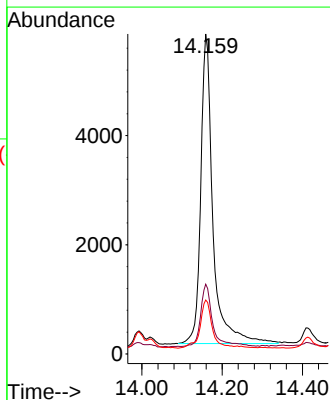
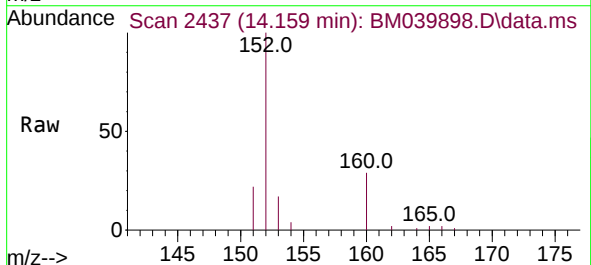
Manual Integrations
APPROVED

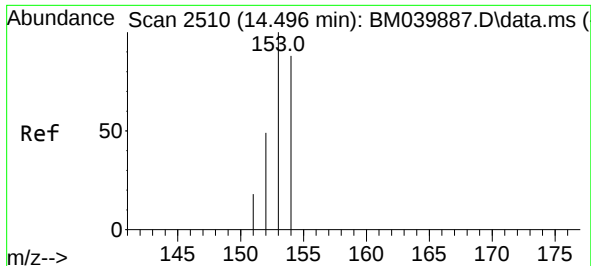
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#10
Acenaphthylene
Concen: 0.620 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

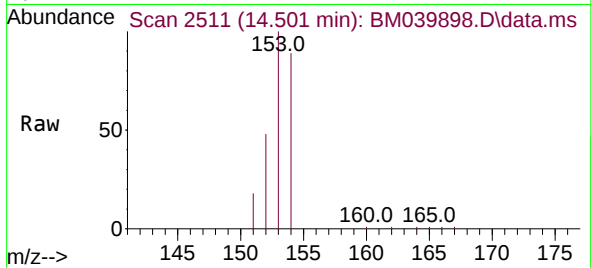
Tgt Ion:152 Resp: 11938
Ion Ratio Lower Upper
152 100
151 21.8 16.0 24.0
153 16.8 11.2 16.8#





#11
Acenaphthene
Concen: 1.737 ng/ul
RT: 14.501 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

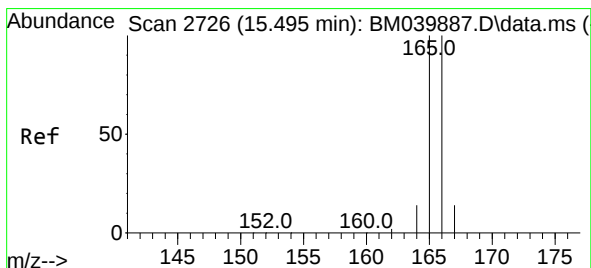
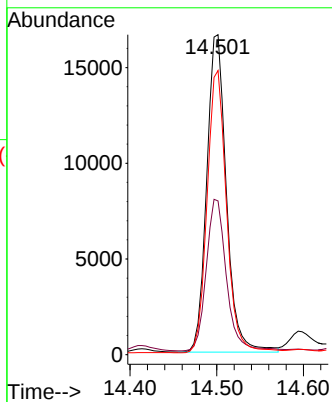
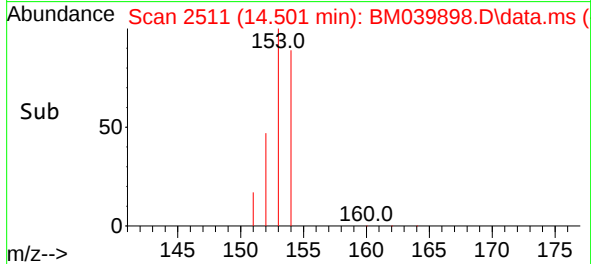
Instrument :
BNA_M
ClientSampleId :
EW949DL



Tgt Ion:153 Resp: 2626
Ion Ratio Lower Upper
153 100
152 48.1 40.6 61.0
154 88.8 71.9 107.9

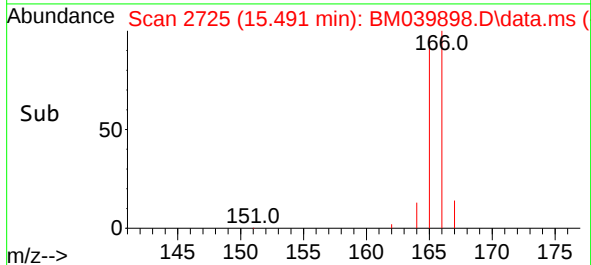
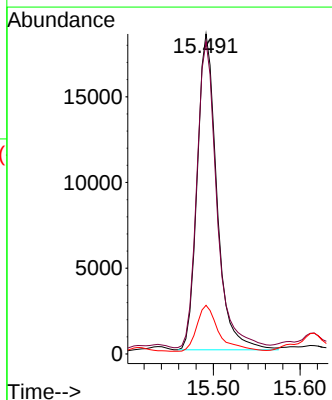
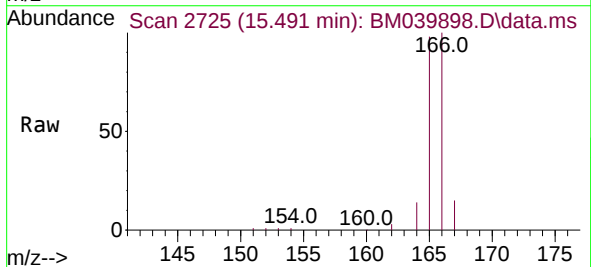
Manual Integrations
APPROVED

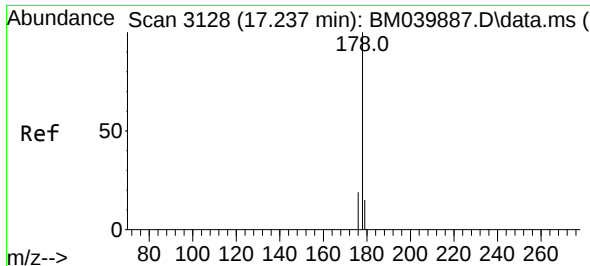
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#12
Fluorene
Concen: 1.733 ng/ul
RT: 15.491 min Scan# 2725
Delta R.T. -0.003 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

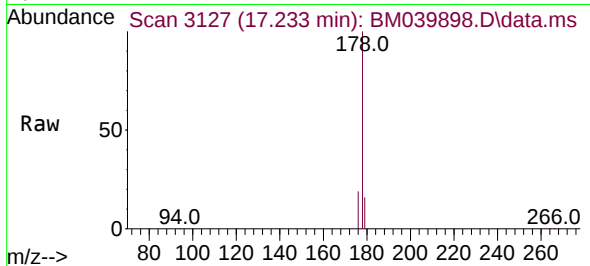
Tgt Ion:166 Resp: 29074
Ion Ratio Lower Upper
166 100
165 97.6 79.0 118.6
167 15.2 11.8 17.6





#15
Phenanthrene
Concen: 21.812 ng/ul
RT: 17.233 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

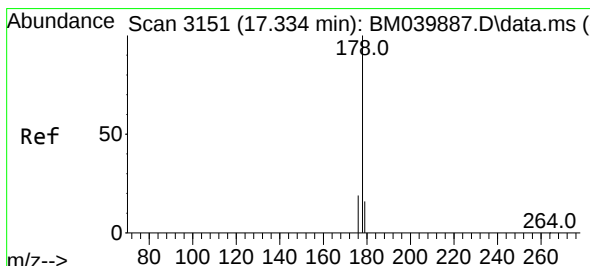
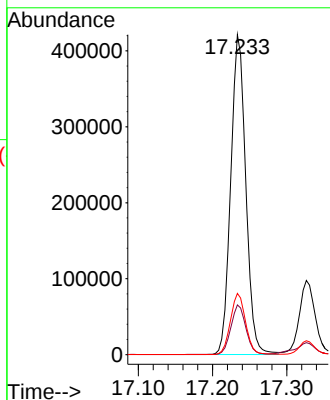
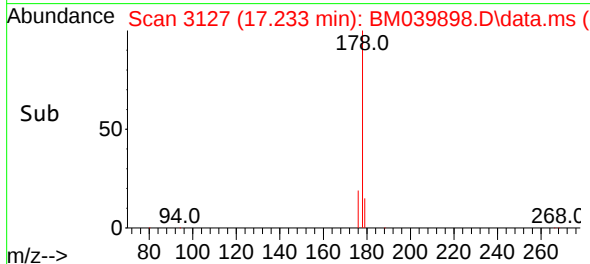
Instrument :
BNA_M
ClientSampleId :
EW949DL



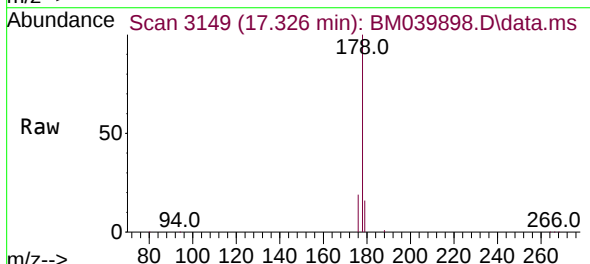
Tgt Ion:178 Resp: 592340
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.6
176 19.2 15.8 23.8

Manual Integrations
APPROVED

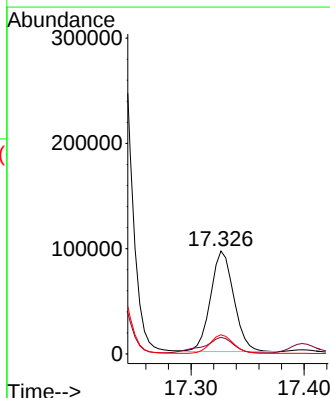
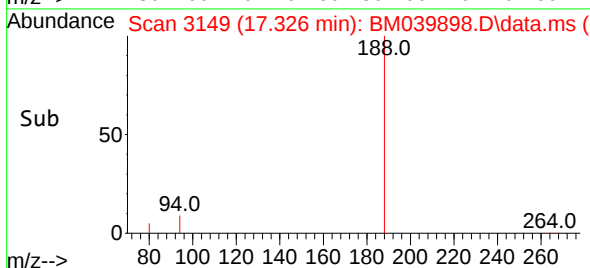
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

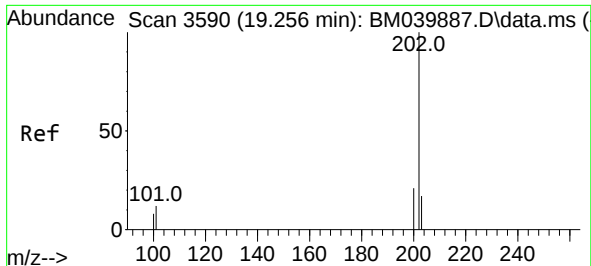


#16
Anthracene
Concen: 5.861 ng/ul
RT: 17.326 min Scan# 3149
Delta R.T. -0.007 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



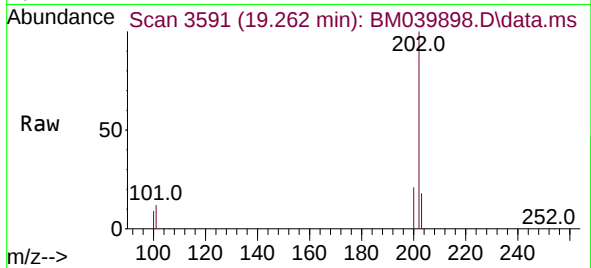
Tgt Ion:178 Resp: 136675
Ion Ratio Lower Upper
178 100
179 16.1 13.8 20.6
176 18.7 15.8 23.8





#19
Fluoranthene
Concen: 38.833 ng/u1
RT: 19.262 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

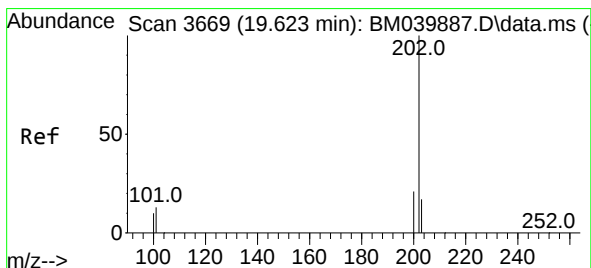
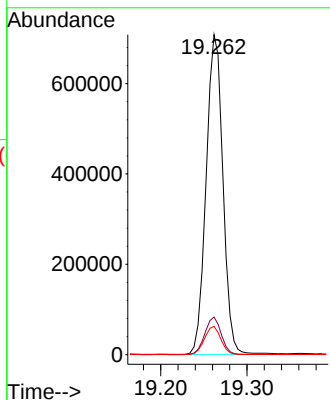
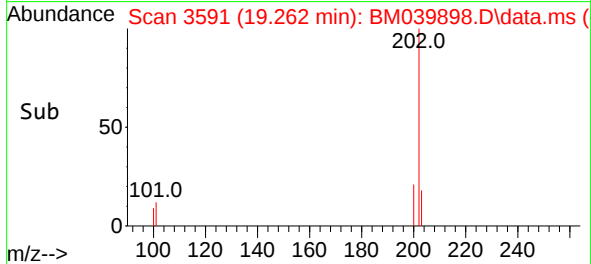
Instrument :
BNA_M
ClientSampleId :
EW949DL



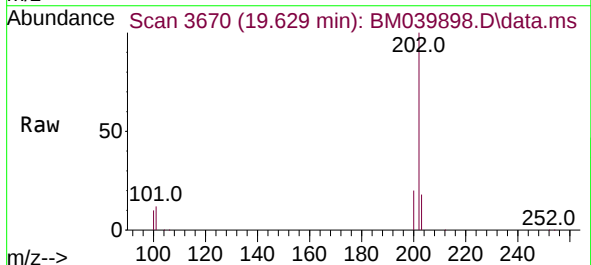
Tgt Ion:202 Resp: 95898
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.8
100 8.9 7.3 10.9

Manual Integrations
APPROVED

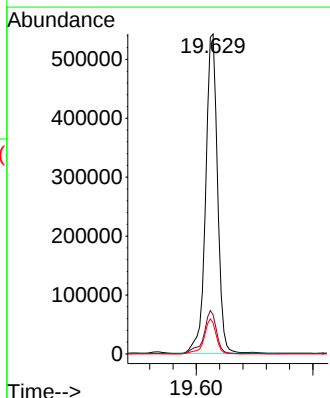
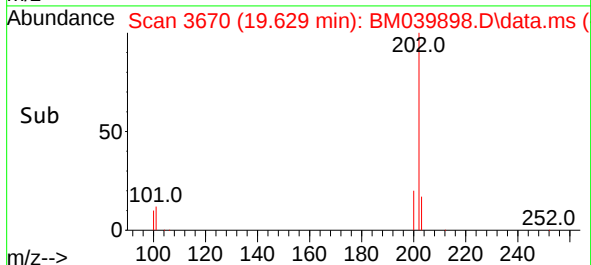
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

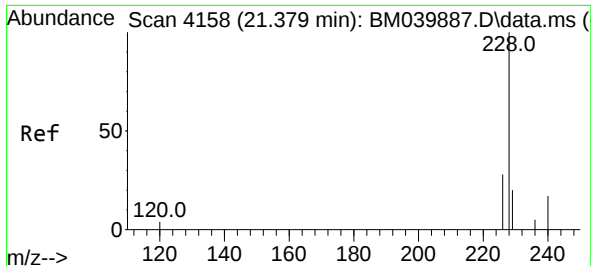


#20
Pyrene
Concen: 28.872 ng/u1
RT: 19.629 min Scan# 3670
Delta R.T. 0.006 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



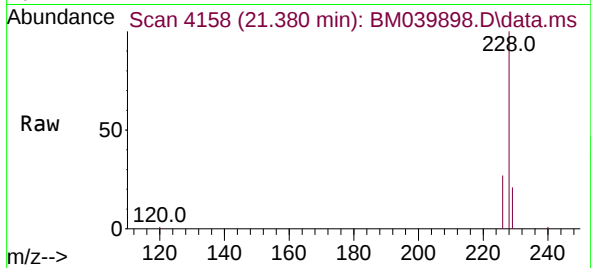
Tgt Ion:202 Resp: 769971
Ion Ratio Lower Upper
202 100
101 12.3 10.9 16.3
100 9.7 8.9 13.3





#21
Benzo(a)anthracene
Concen: 19.024 ng/ul
RT: 21.380 min Scan# 4158
Delta R.T. 0.001 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

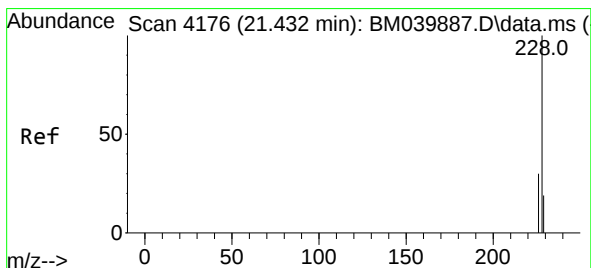
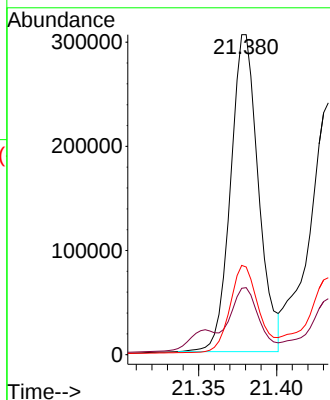
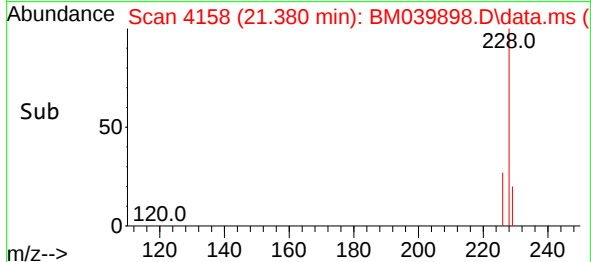
Instrument :
BNA_M
ClientSampleId :
EW949DL



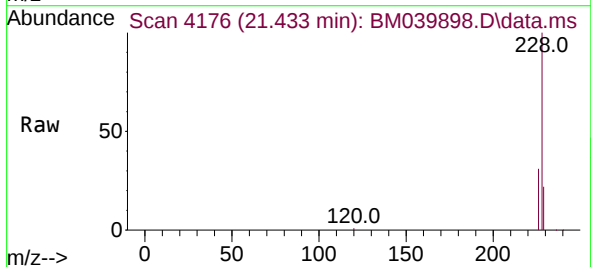
Tgt Ion:228 Resp: 378608
Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.2
226 27.4 21.6 32.4

Manual Integrations
APPROVED

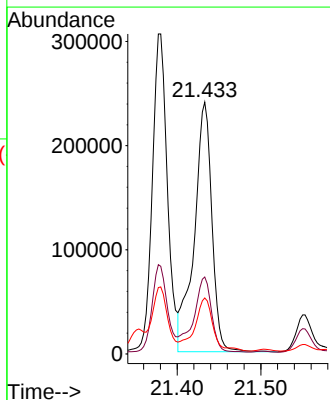
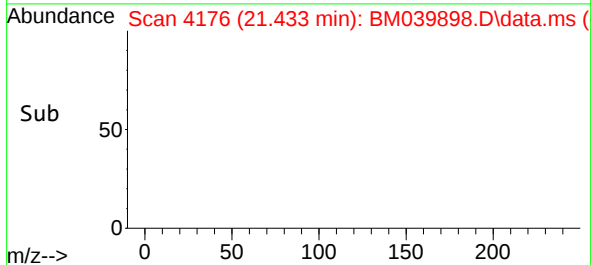
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

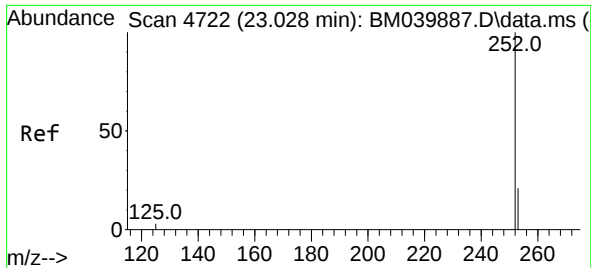


#22
Chrysene
Concen: 15.612 ng/ul
RT: 21.433 min Scan# 4176
Delta R.T. 0.001 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



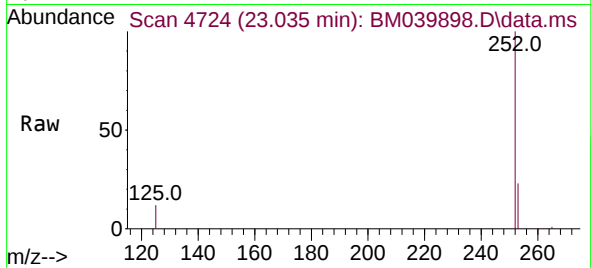
Tgt Ion:228 Resp: 351618
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.3 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 14.626 ng/ul m
RT: 23.035 min Scan# 4724
Delta R.T. 0.007 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

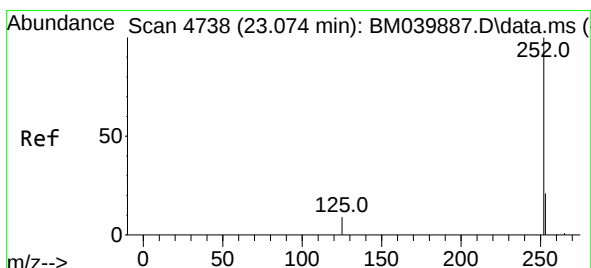
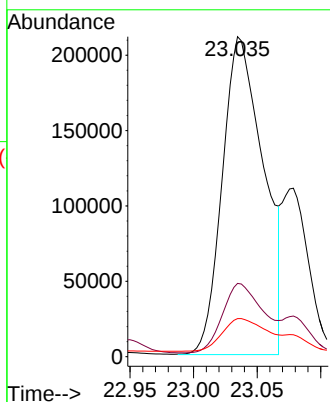
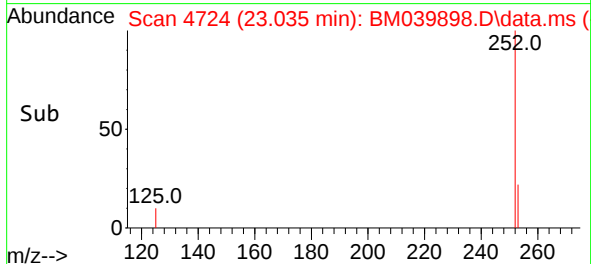
Instrument :
BNA_M
ClientSampleId :
EW949DL



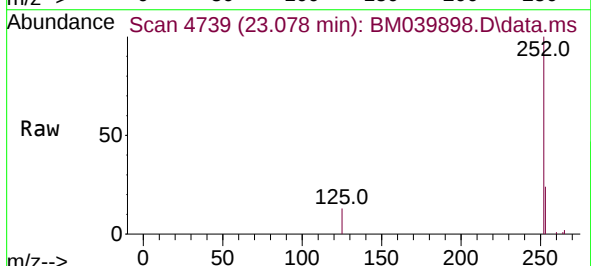
Tgt Ion:252 Resp: 475233
Ion Ratio Lower Upper
252 100
253 22.9 0.0 52.8
125 11.9 0.0 31.6

Manual Integrations
APPROVED

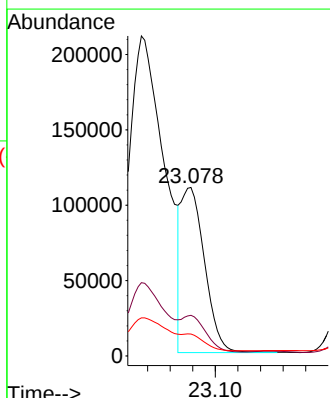
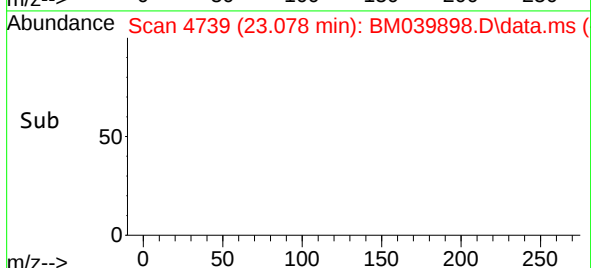
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

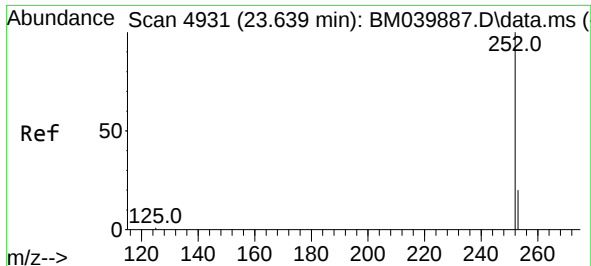


#25
Benzo(k)fluoranthene
Concen: 4.798 ng/ul m
RT: 23.078 min Scan# 4739
Delta R.T. 0.004 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



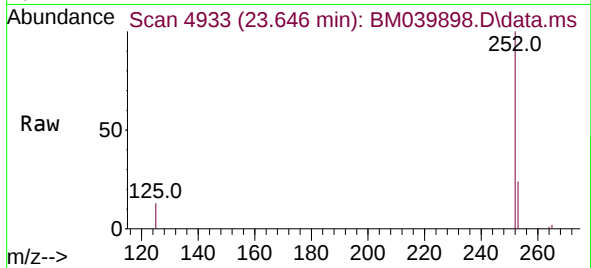
Tgt Ion:252 Resp: 158744
Ion Ratio Lower Upper
252 100
253 24.1 21.3 31.9
125 13.0 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 12.097 ng/ul
RT: 23.646 min Scan# 4931
Delta R.T. 0.007 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

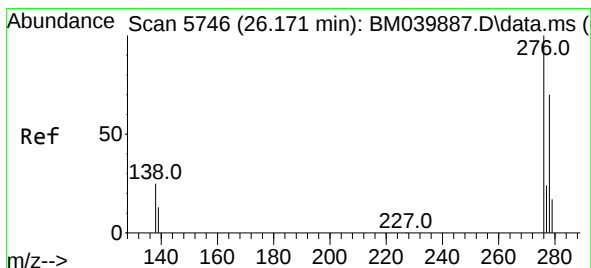
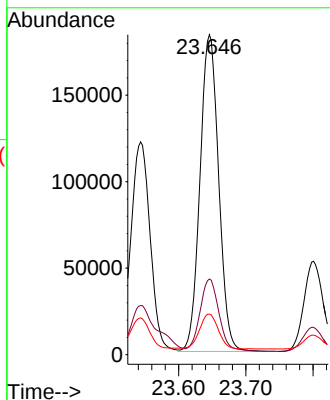
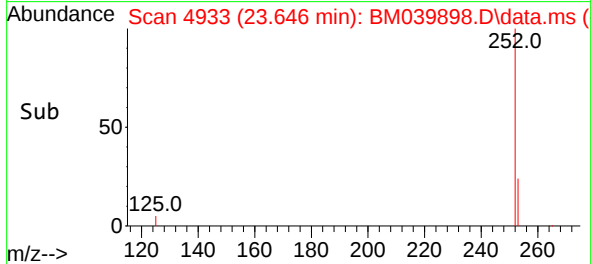
Instrument :
BNA_M
ClientSampleId :
EW949DL



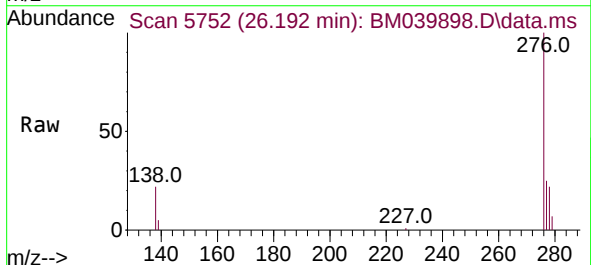
Tgt Ion:252 Resp: 352898
Ion Ratio Lower Upper
252 100
253 23.7 24.7 37.1
125 12.6 16.5 24.7

Manual Integrations
APPROVED

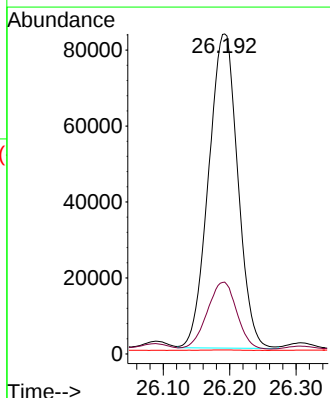
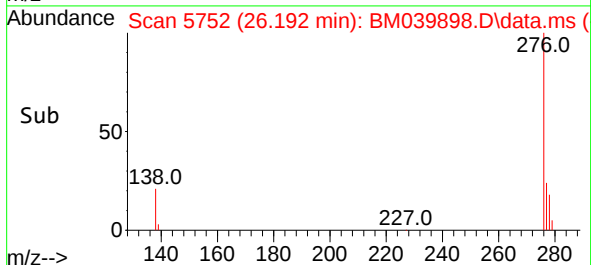
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

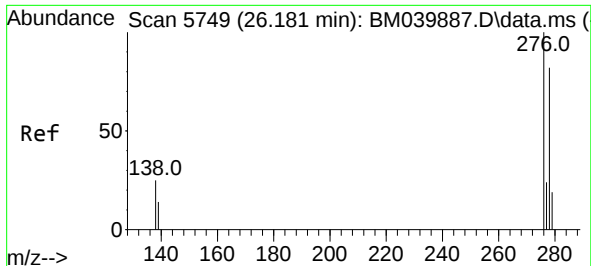


#27
Indeno(1,2,3-cd)pyrene
Concen: 6.844 ng/ul
RT: 26.192 min Scan# 5752
Delta R.T. 0.021 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



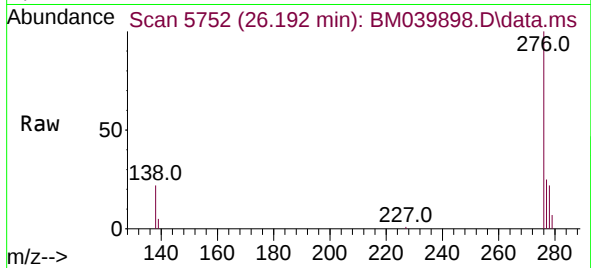
Tgt Ion:276 Resp: 252466
Ion Ratio Lower Upper
276 100
138 21.6 21.1 31.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 2.240 ng/ul
RT: 26.192 min Scan# 5752
Delta R.T. 0.011 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47

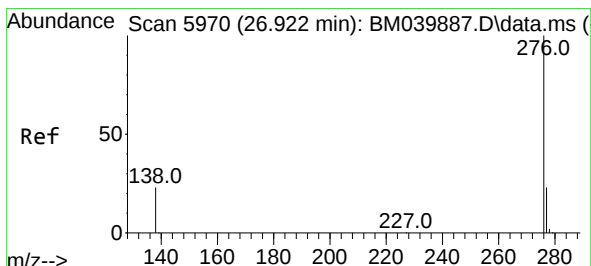
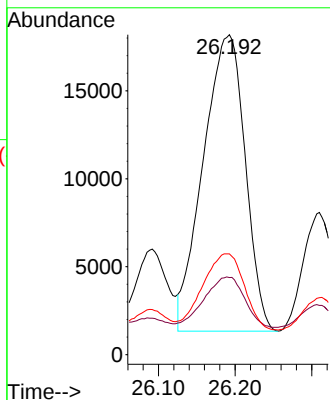
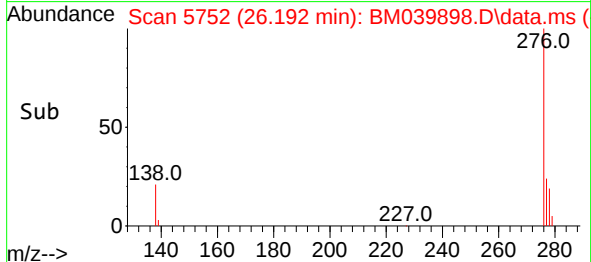
Instrument :
BNA_M
ClientSampleId :
EW949DL



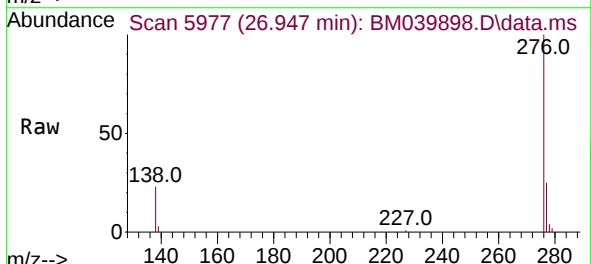
Tgt Ion:278 Resp: 64130
Ion Ratio Lower Upper
278 100
139 24.1 17.0 25.6
279 31.5 23.4 35.2

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 7.363 ng/ul
RT: 26.947 min Scan# 5977
Delta R.T. 0.025 min
Lab File: BM039898.D
Acq: 09 May 2023 17:47



Tgt Ion:276 Resp: 236657
Ion Ratio Lower Upper
276 100
138 23.0 20.1 30.1
277 25.2 20.1 30.1

