

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039777.D
 Acq On : 01 May 2023 14:56
 Operator : CG/JU
 Sample : 02374-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB9D5DL

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:25:48 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 : 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	7.800	152	3161	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.606	136	11844	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.446	164	7044	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	15057	0.400	ng/ul	0.00
17) Chrysene-d12	21.396	240	12099	0.400	ng/ul	0.00
23) Perylene-d12	23.744	264	9970	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	2331	0.500	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.228	152	552	0.036	ng/ul	0.03
18) Fluoranthene-d10	19.234	212	1690	0.052	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.656	128	1276	0.043	ng/ul#	72
7) 2-Methylnaphthalene	12.305	142	584	0.034	ng/ul	97
8) 1-Methylnaphthalene	12.503	142	581	0.032	ng/ul	99
10) Acenaphthylene	14.169	152	2494	0.091	ng/ul#	88
11) Acenaphthene	14.511	153	3244	0.151	ng/ul	99
12) Fluorene	15.506	166	3387	0.143	ng/ul#	99
15) Phenanthrene	17.242	178	86259	2.174	ng/ul	98
16) Anthracene	17.335	178	17393	0.511	ng/ul	98
19) Fluoranthene	19.262	202	203461	4.714	ng/ul	99
20) Pyrene	19.629	202	187492	4.022	ng/ul	97
21) Benzo(a)anthracene	21.379	228	90770	2.609	ng/ul	99
22) Chrysene	21.432	228	100045	2.541	ng/ul	99
24) Benzo(b)fluoranthene	23.027	252	118913m	3.396	ng/ul	
25) Benzo(k)fluoranthene	23.071	252	44048m	1.236	ng/ul	
26) Benzo(a)pyrene	23.635	252	70510	2.243	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.167	276	49876	1.255	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.174	278	11432	0.371	ng/ul	92
29) Benzo(g,h,i)perylene	26.915	276	41186	1.189	ng/ul	99

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

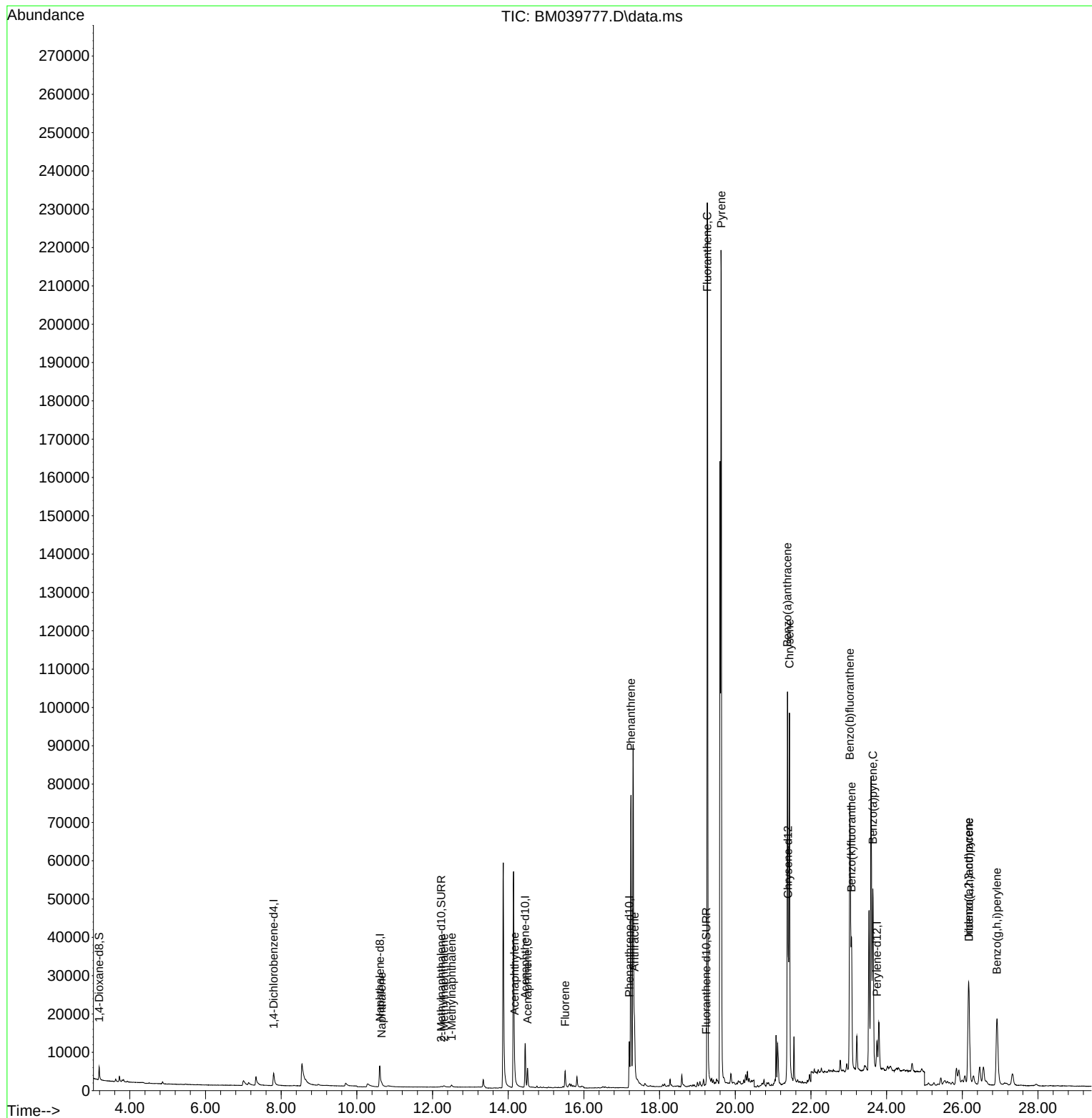
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039777.D
Acq On : 01 May 2023 14:56
Operator : CG/JU
Sample : 02374-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

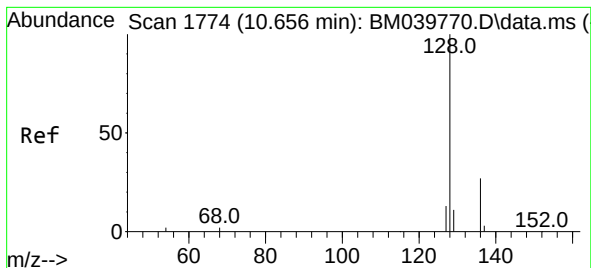
Instrument :
BNA_M
ClientSampleId :
CB9D5DL

Quant Time: May 02 01:25:48 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 : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

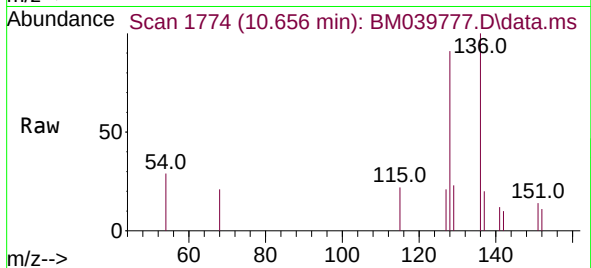
Reviewed By : Christian Giraldo 05/02/2023
Supervised By : Jagrut Upadhyay 05/02/2023





#5
Naphthalene
Concen: 0.043 ng/ul
RT: 10.656 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

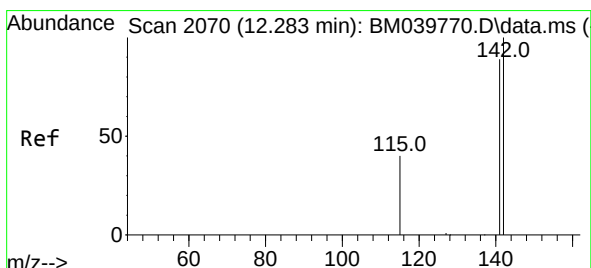
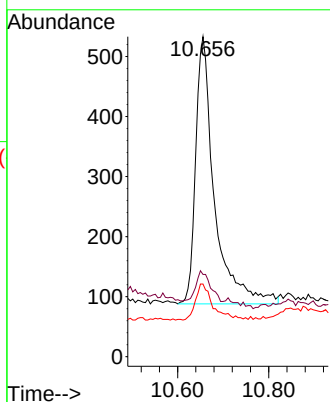
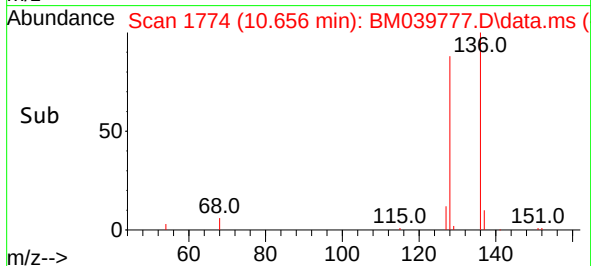
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



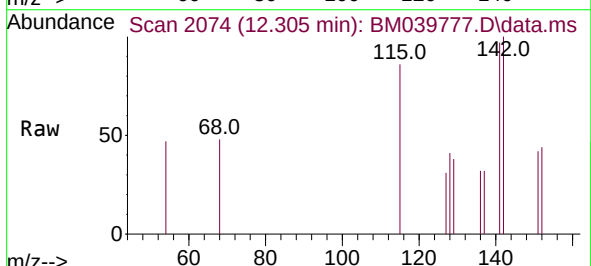
Tgt Ion:128 Resp: 1270
Ion Ratio Lower Upper
128 100
129 25.7 9.8 14.6
127 22.7 11.1 16.7

Manual Integrations
APPROVED

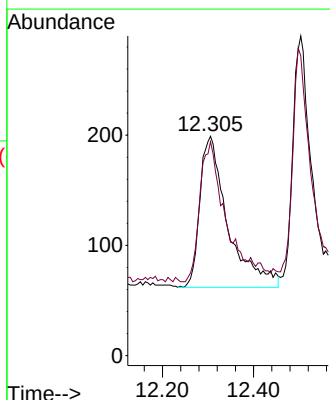
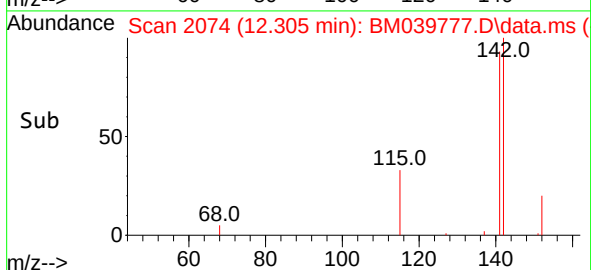
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

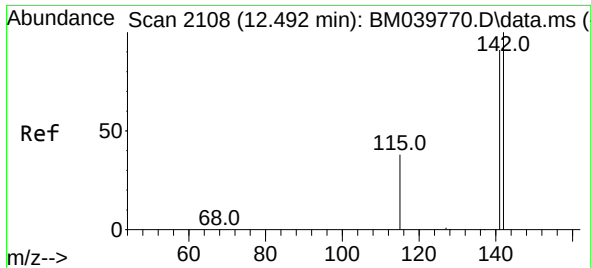


#7
2-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.305 min Scan# 2074
Delta R.T. 0.028 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56



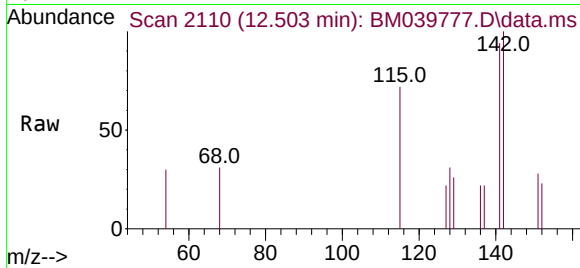
Tgt Ion:142 Resp: 584
Ion Ratio Lower Upper
142 100
141 88.4 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.011 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

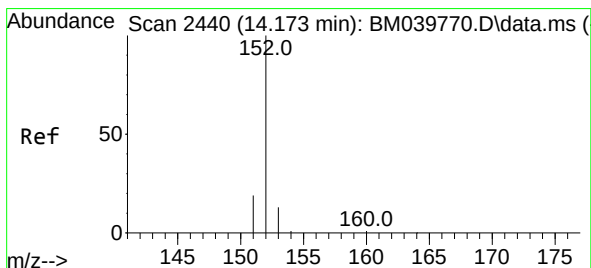
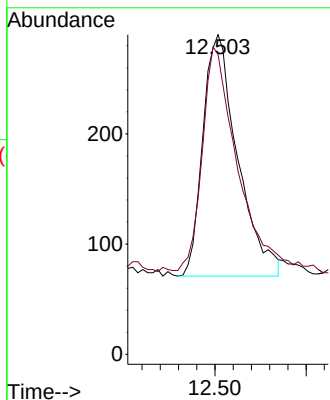
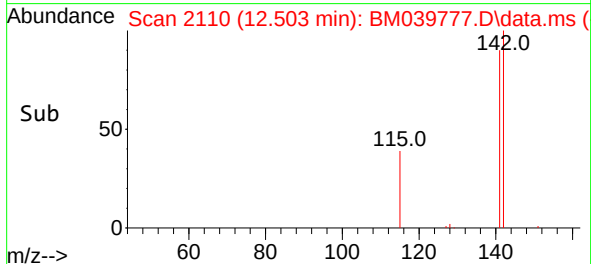
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
141 90.7 73.4 110.2

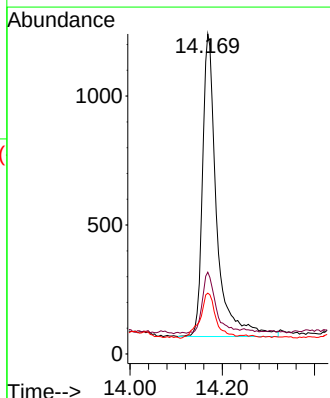
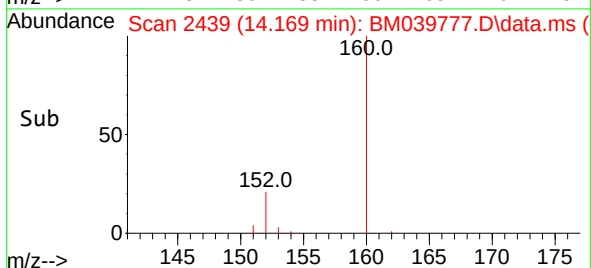
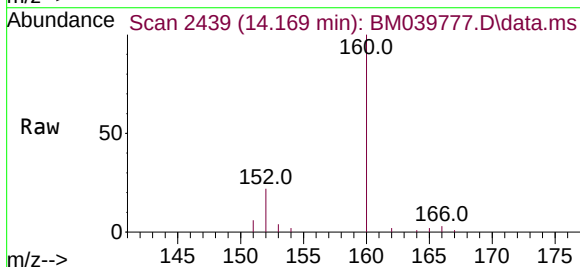
Manual Integrations
APPROVED

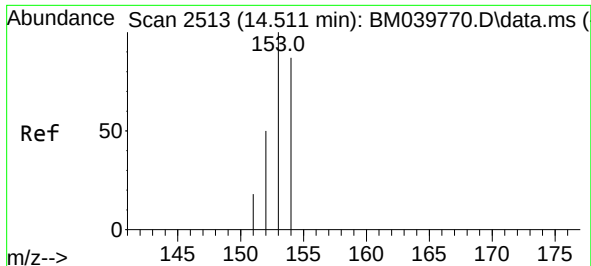
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 0.091 ng/ul
RT: 14.169 min Scan# 2439
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

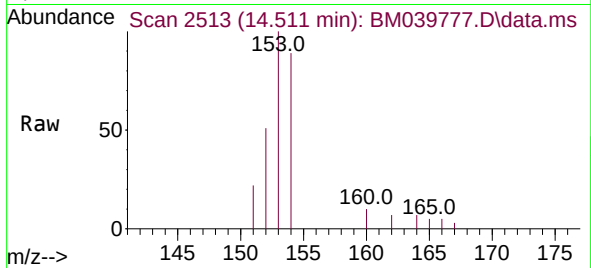
Tgt Ion:152 Resp: 2494
Ion Ratio Lower Upper
152 100
151 25.5 16.0 24.0#
153 19.0 11.2 16.8#





#11
Acenaphthene
Concen: 0.151 ng/ul
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

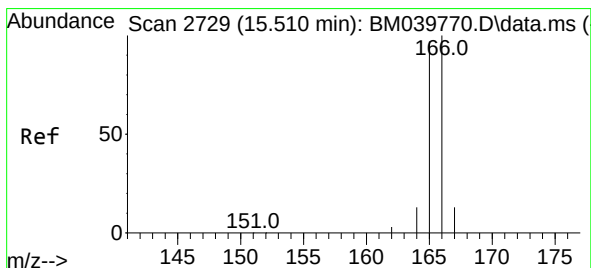
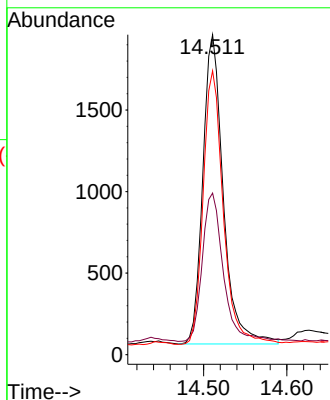
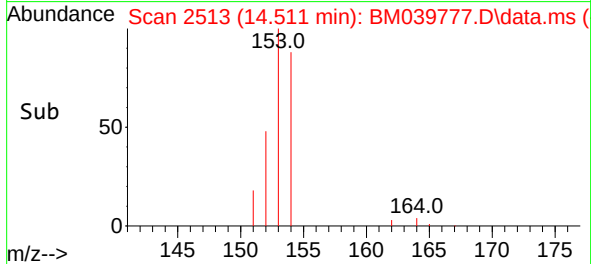
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



Tgt Ion:153 Resp: 3244
Ion Ratio Lower Upper
153 100
152 50.5 40.6 61.0
154 88.7 71.9 107.9

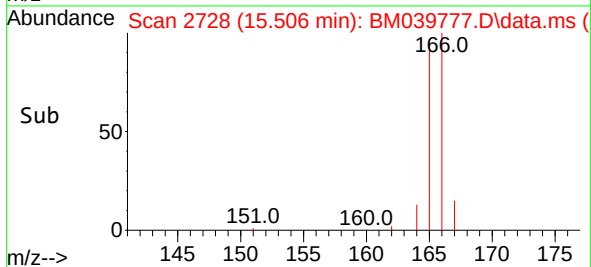
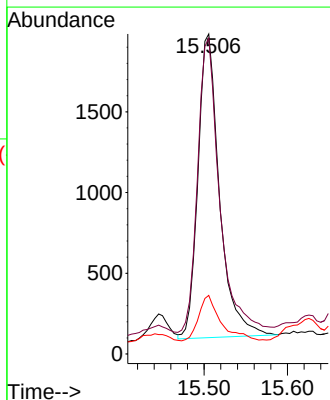
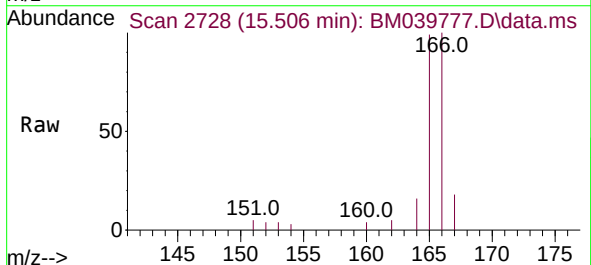
Manual Integrations
APPROVED

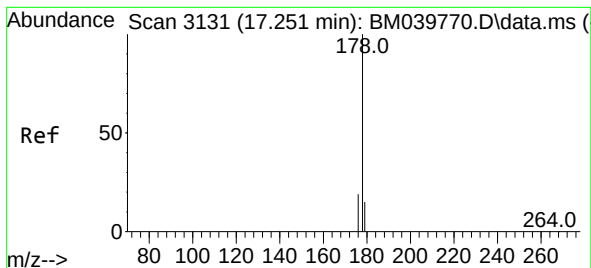
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 0.143 ng/ul
RT: 15.506 min Scan# 2728
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

Tgt Ion:166 Resp: 3387
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.6
167 18.3 11.8 17.6#





#15

Phenanthrene

Concen: 2.174 ng/ul

RT: 17.242 min Scan# 3129

Delta R.T. -0.004 min

Lab File: BM039777.D

Acq: 01 May 2023 14:56

Instrument :

BNA_M

ClientSampleId :

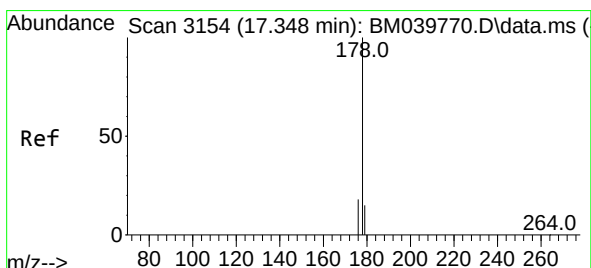
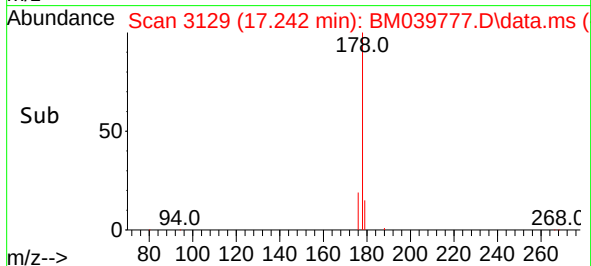
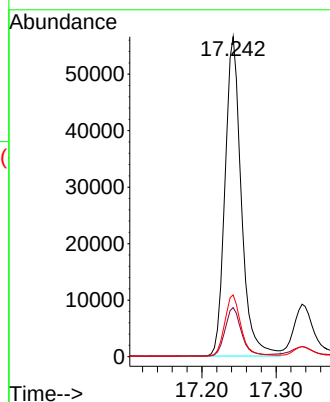
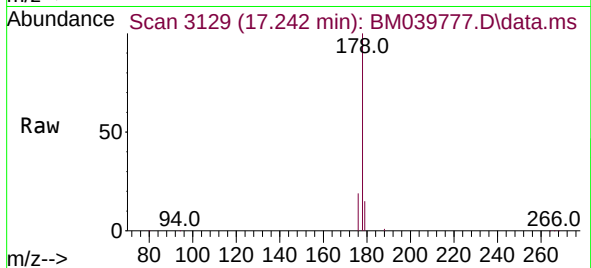
CB9D5DL

Tgt Ion:178	Resp:	8625
Ion Ratio	Lower	Upper
178	100	
179	15.4	13.0 19.6
176	19.3	15.8 23.8

Manual Integrations

APPROVED

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



#16

Anthracene

Concen: 0.511 ng/ul

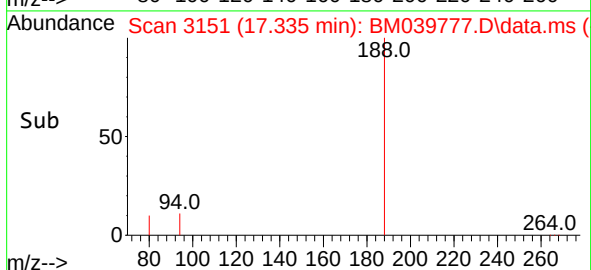
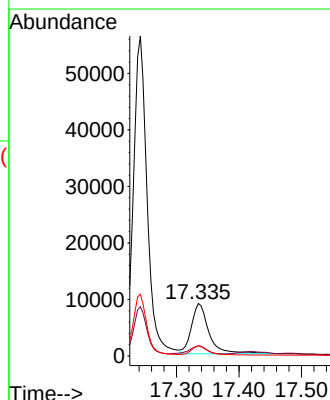
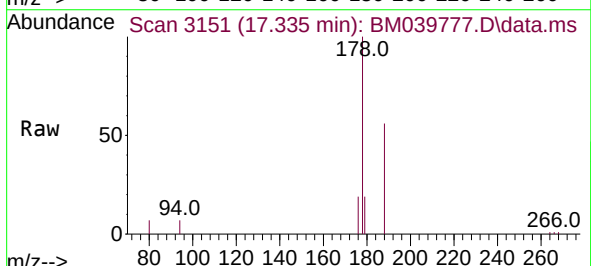
RT: 17.335 min Scan# 3151

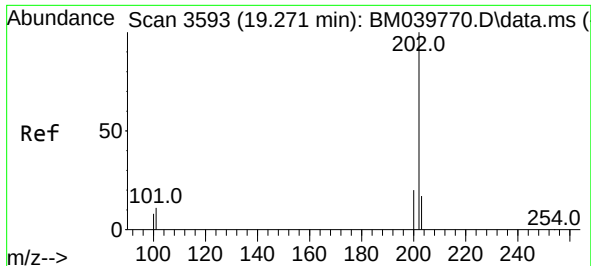
Delta R.T. -0.008 min

Lab File: BM039777.D

Acq: 01 May 2023 14:56

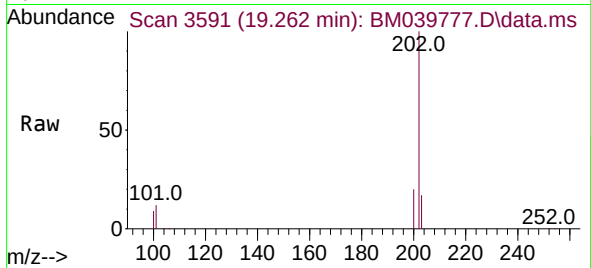
Tgt Ion:178	Resp:	17393
Ion Ratio	Lower	Upper
178	100	
179	19.1	13.8 20.6
176	19.5	15.8 23.8





#19
Fluoranthene
Concen: 4.714 ng/u1
RT: 19.262 min Scan# 3591
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

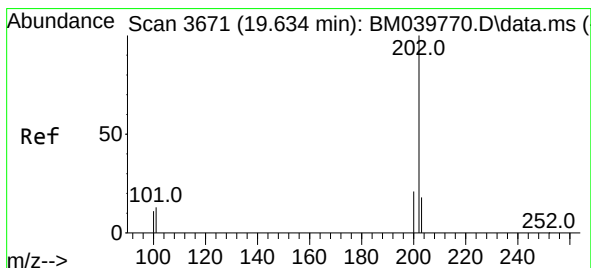
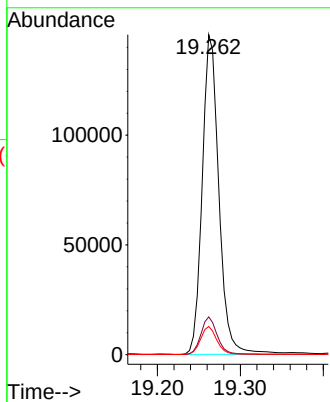
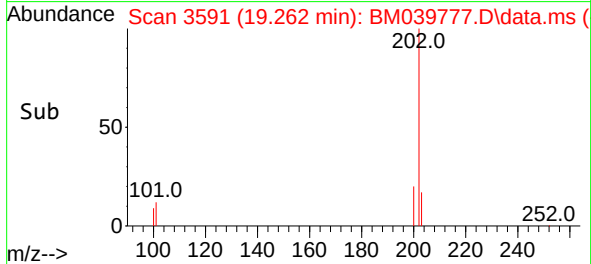
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



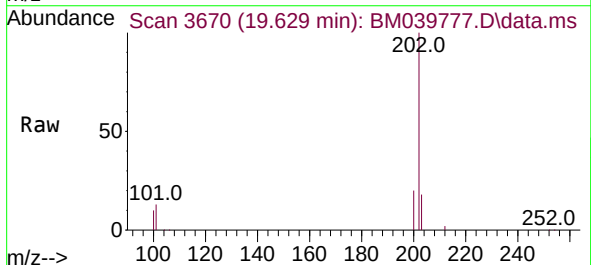
Tgt Ion:202 Resp: 20346
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.8
100 8.8 7.3 10.9

Manual Integrations
APPROVED

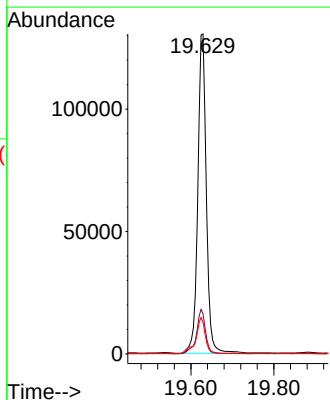
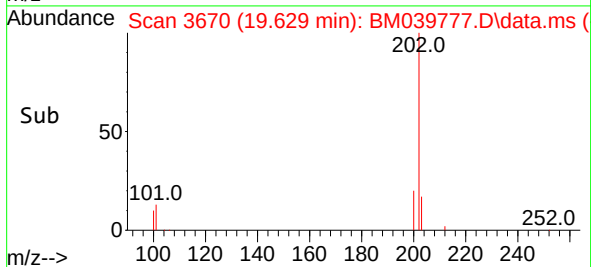
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

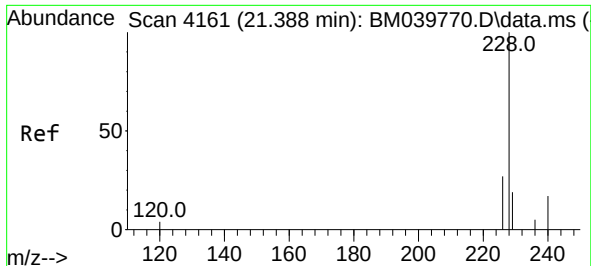


#20
Pyrene
Concen: 4.022 ng/u1
RT: 19.629 min Scan# 3670
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56



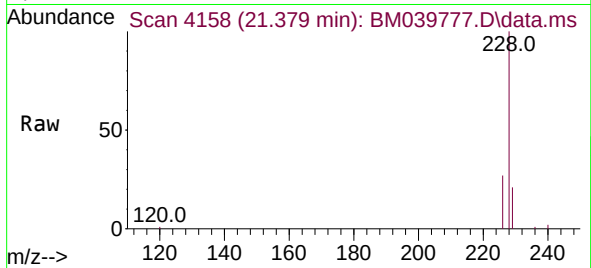
Tgt Ion:202 Resp: 187492
Ion Ratio Lower Upper
202 100
101 12.6 10.9 16.3
100 9.9 8.9 13.3





#21
Benzo(a)anthracene
Concen: 2.609 ng/u1
RT: 21.379 min Scan# 4161
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

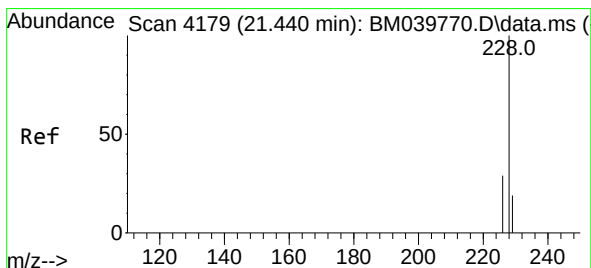
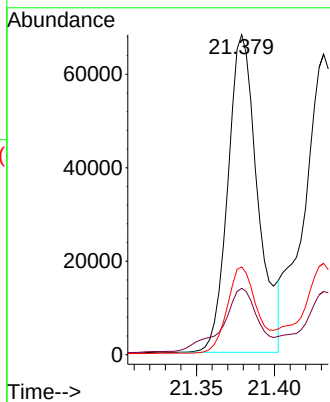
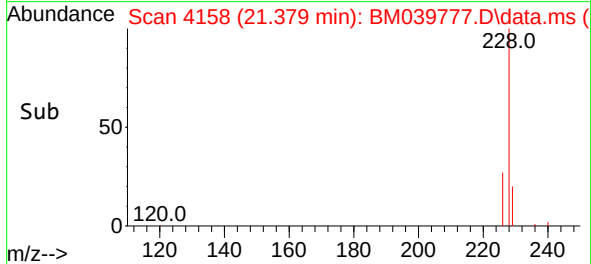
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



Tgt Ion:228 Resp: 90770
Ion Ratio Lower Upper
228 100
229 20.8 16.2 24.2
226 27.4 21.6 32.4

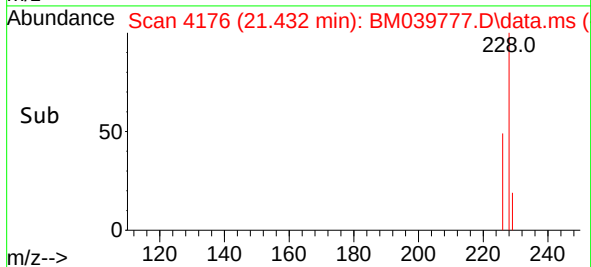
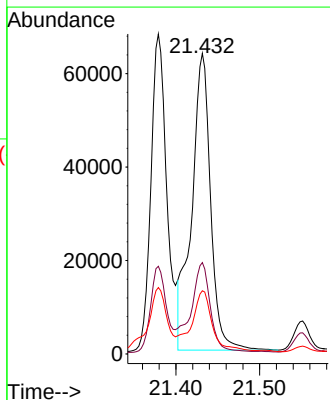
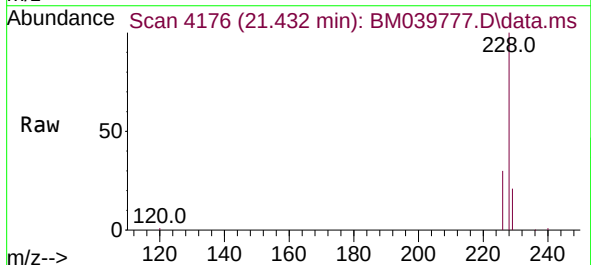
Manual Integrations
APPROVED

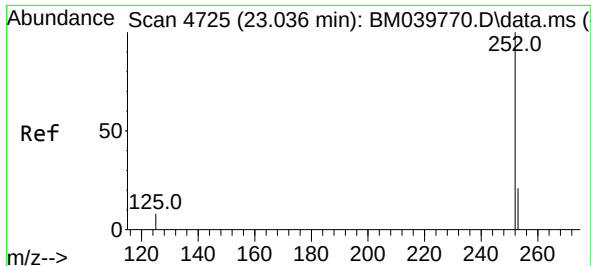
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#22
Chrysene
Concen: 2.541 ng/u1
RT: 21.432 min Scan# 4176
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

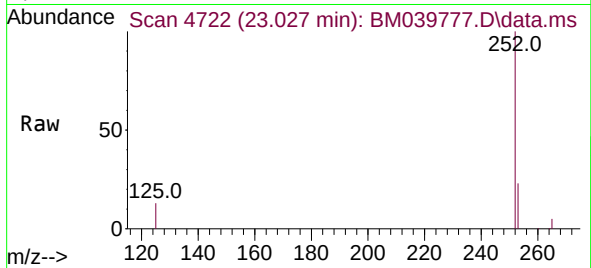
Tgt Ion:228 Resp: 100045
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 21.0 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 3.396 ng/ul m
RT: 23.027 min Scan# 4722
Delta R.T. -0.004 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

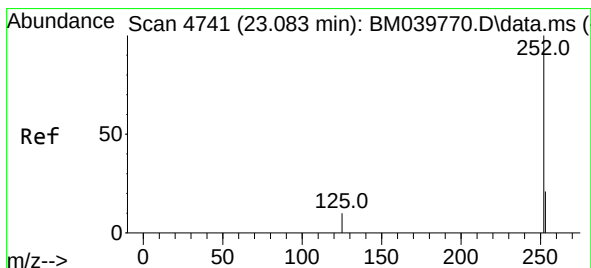
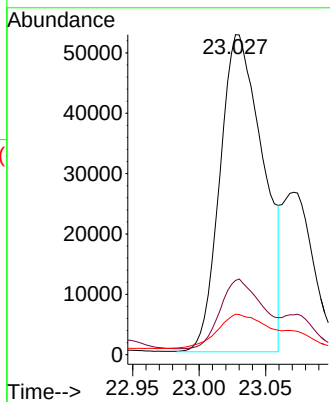
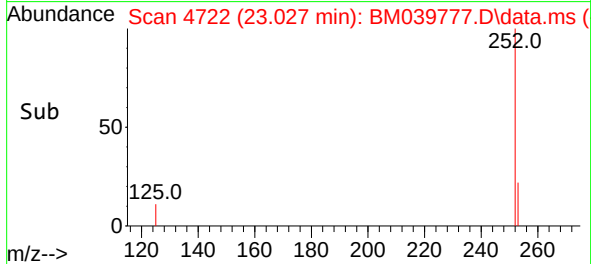
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



Tgt Ion:252 Resp: 11891
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 12.6 0.0 31.6

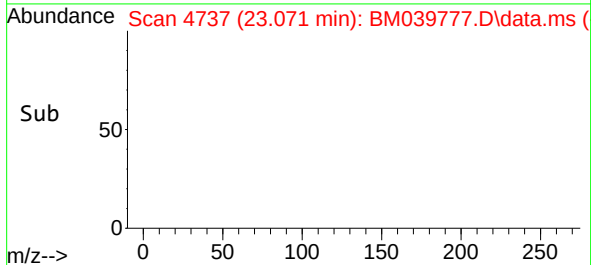
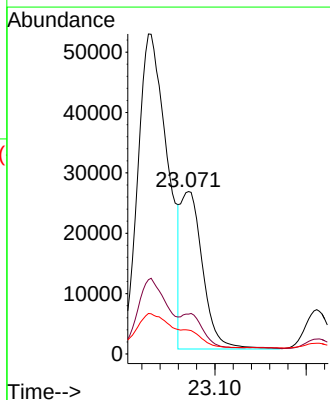
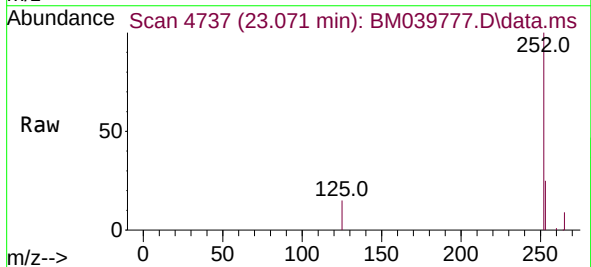
Manual Integrations
APPROVED

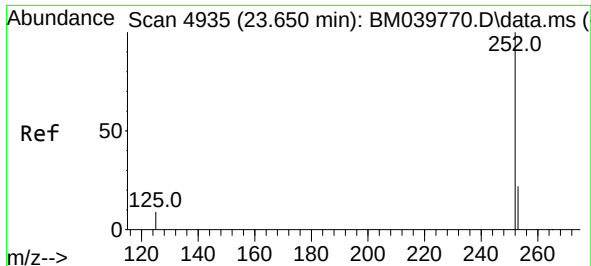
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#25
Benzo(k)fluoranthene
Concen: 1.236 ng/ul m
RT: 23.071 min Scan# 4737
Delta R.T. -0.007 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

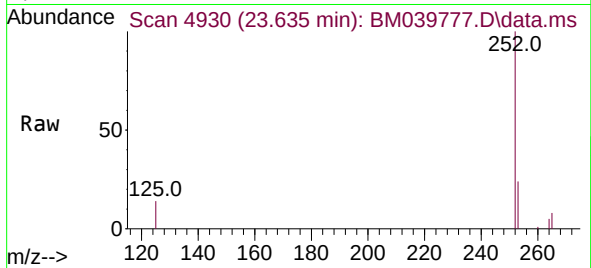
Tgt Ion:252 Resp: 44048
Ion Ratio Lower Upper
252 100
253 24.6 21.3 31.9
125 14.7 13.0 19.6





#26
Benzo(a)pyrene
Concen: 2.243 ng/ul
RT: 23.635 min Scan# 4935
Delta R.T. -0.007 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

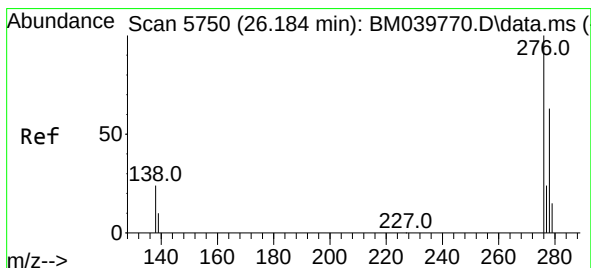
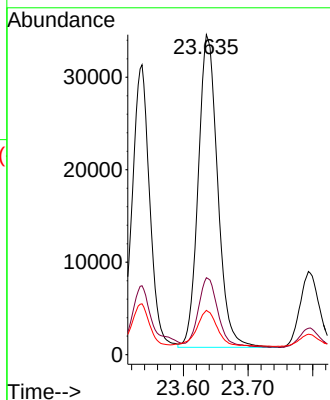
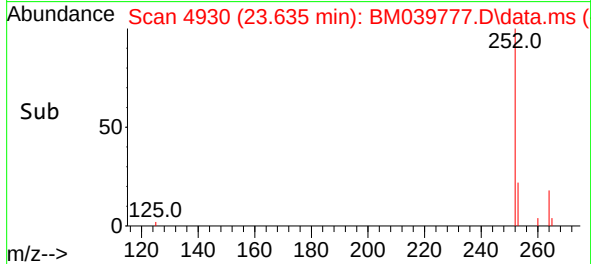
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



Tgt Ion:252 Resp: 70510
Ion Ratio Lower Upper
252 100
253 24.0 24.7 37.1
125 13.8 16.5 24.7

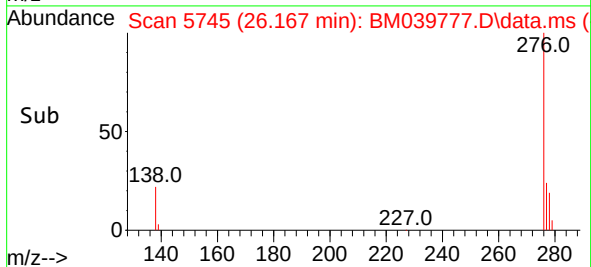
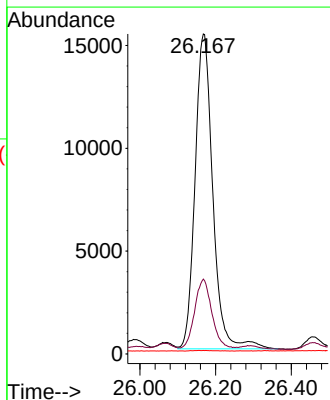
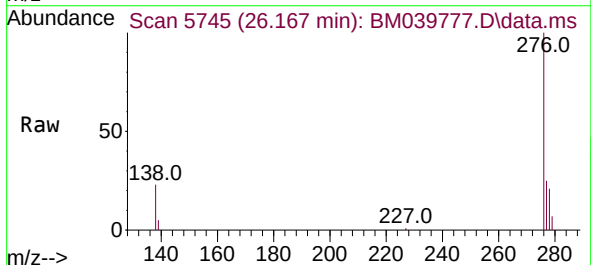
Manual Integrations
APPROVED

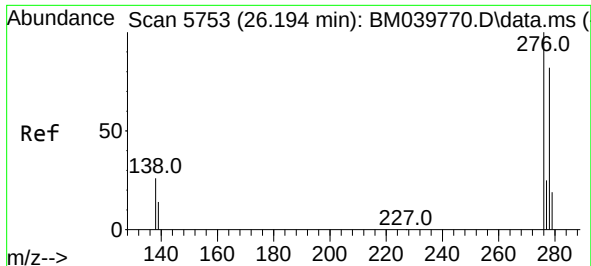
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.255 ng/ul
RT: 26.167 min Scan# 5745
Delta R.T. -0.012 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

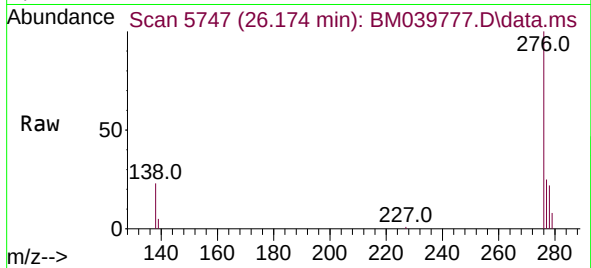
Tgt Ion:276 Resp: 49876
Ion Ratio Lower Upper
276 100
138 21.2 21.1 31.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.371 ng/ul
RT: 26.174 min Scan# 51
Delta R.T. -0.015 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56

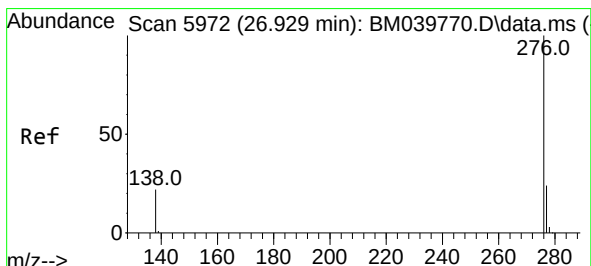
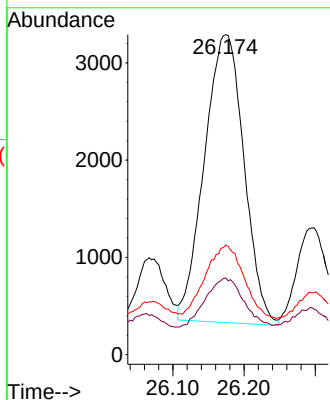
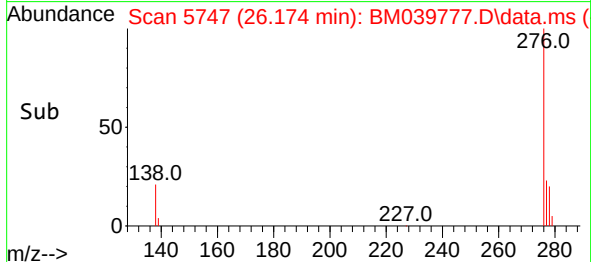
Instrument :
BNA_M
ClientSampleId :
CB9D5DL



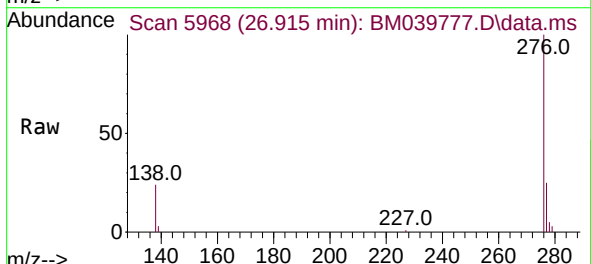
Tgt Ion:278 Resp: 11432
Ion Ratio Lower Upper
278 100
139 24.0 17.0 25.6
279 34.2 23.4 35.2

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 1.189 ng/ul
RT: 26.915 min Scan# 5968
Delta R.T. -0.005 min
Lab File: BM039777.D
Acq: 01 May 2023 14:56



Tgt Ion:276 Resp: 41186
Ion Ratio Lower Upper
276 100
138 24.0 20.1 30.1
277 25.0 20.1 30.1

