

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039775.D
 Acq On : 01 May 2023 13:43
 Operator : CG/JU
 Sample : 02374-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB9D6

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:25:26 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	7.796	152	3240	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.595	136	12722	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.446	164	7330	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	16724	0.400	ng/ul	0.00
17) Chrysene-d12	21.392	240	11880	0.400	ng/ul	# 0.00
23) Perylene-d12	23.742	264	10253	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.184	96	16381	3.431	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.195	152	4264	0.261	ng/ul	0.00
18) Fluoranthene-d10	19.234	212	10851	0.339	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.639	128	3860	0.121	ng/ul#	94
7) 2-Methylnaphthalene	12.272	142	1684	0.091	ng/ul	95
8) 1-Methylnaphthalene	12.487	142	1385	0.070	ng/ul	100
10) Acenaphthylene	14.168	152	6918	0.244	ng/ul	96
11) Acenaphthene	14.506	153	8723	0.391	ng/ul	98
12) Fluorene	15.501	166	7940	0.321	ng/ul	99
15) Phenanthrene	17.238	178	228628	5.189	ng/ul	98
16) Anthracene	17.331	178	34197	0.904	ng/ul	98
19) Fluoranthene	19.262	202	576830	13.610	ng/ul	99
20) Pyrene	19.624	202	492652	10.764	ng/ul	98
21) Benzo(a)anthracene	21.378	228	260716	7.633	ng/ul	99
22) Chrysene	21.430	228	277740	7.185	ng/ul	98
24) Benzo(b)fluoranthene	23.029	252	328717m	9.129	ng/ul	
25) Benzo(k)fluoranthene	23.070	252	115798m	3.158	ng/ul	
26) Benzo(a)pyrene	23.634	252	194806	6.026	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.162	276	134920	3.300	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.169	278	32527	1.025	ng/ul	99
29) Benzo(g,h,i)perylene	26.917	276	107758	3.025	ng/ul	98

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

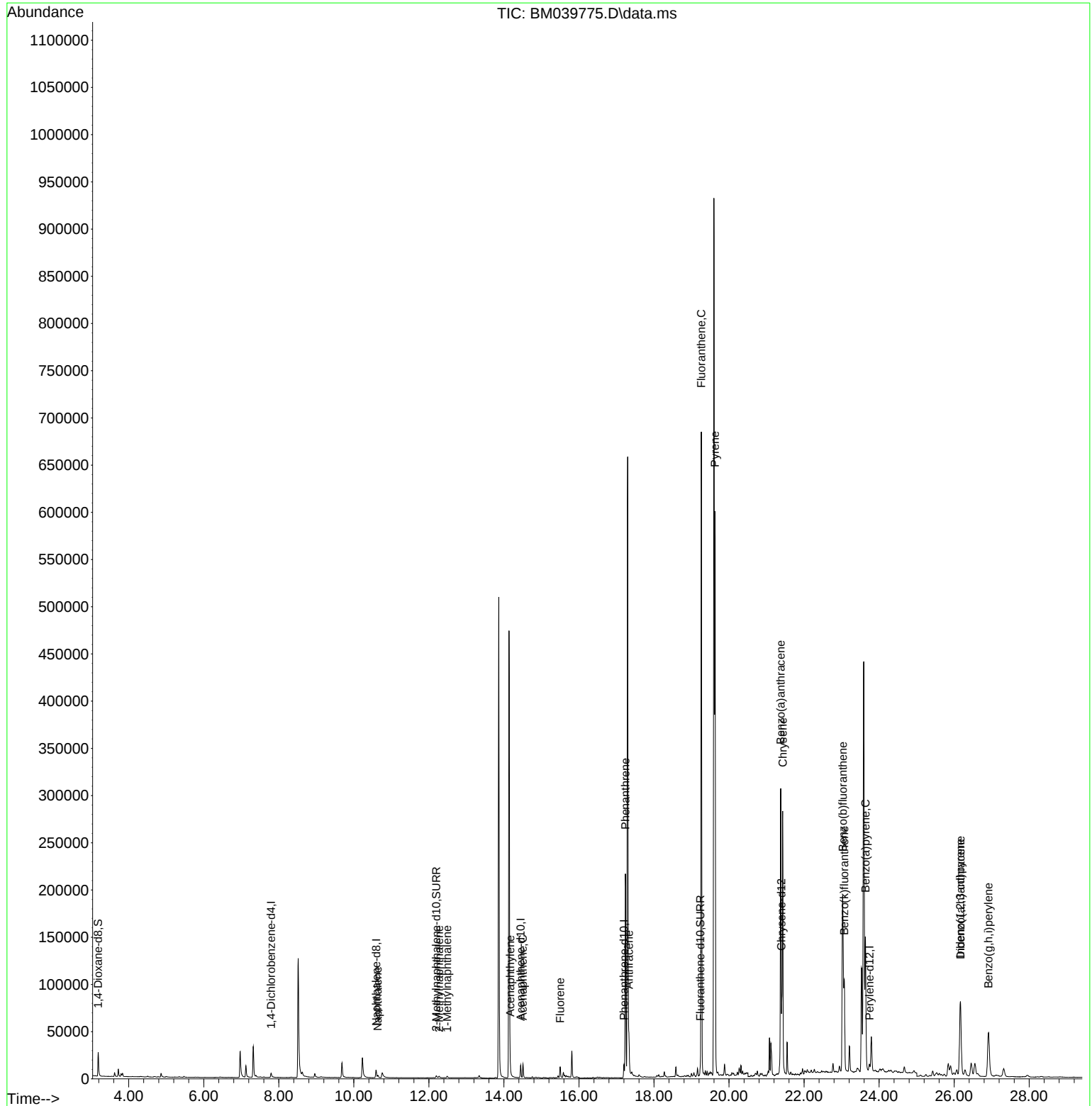
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039775.D
Acq On : 01 May 2023 13:43
Operator : CG/JU
Sample : 02374-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

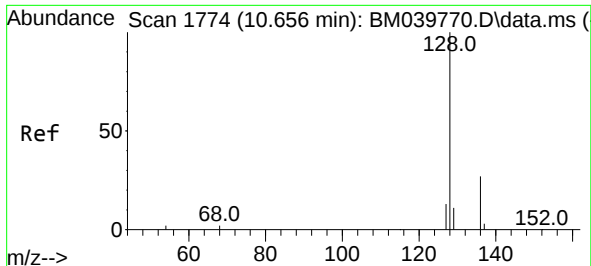
Instrument :
BNA_M
ClientSampleId :
CB9D6

Manual Integrations
APPROVED

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

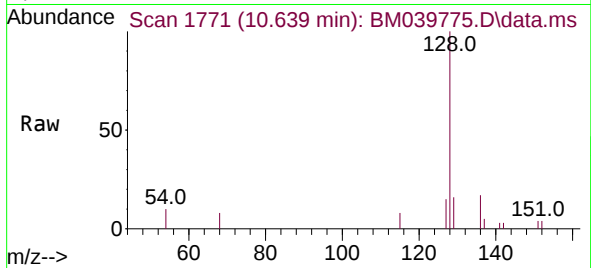
Quant Time: May 02 01:25:26 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.121 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.016 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

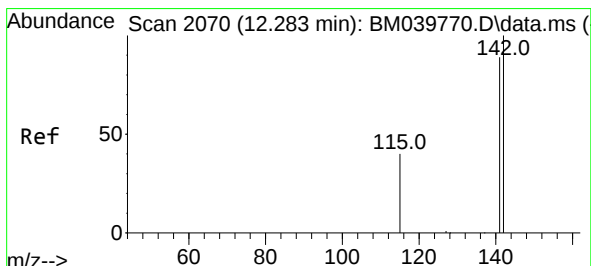
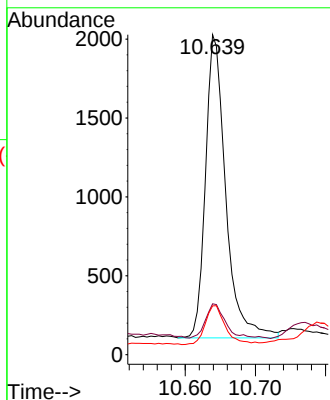
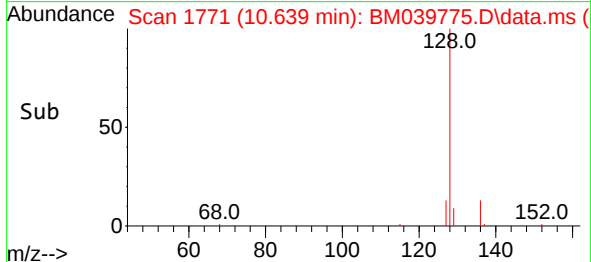
Instrument :
BNA_M
ClientSampleId :
CB9D6



Tgt Ion:128 Resp: 3860
Ion Ratio Lower Upper
128 100
129 15.9 9.8 14.6
127 15.2 11.1 16.7

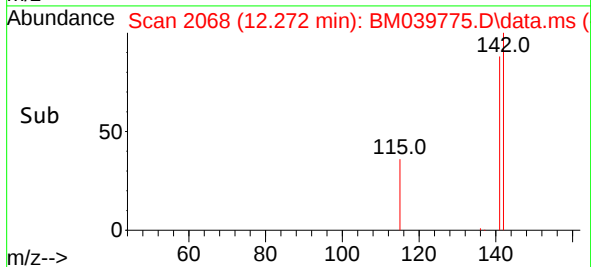
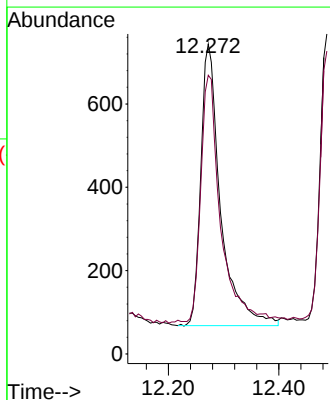
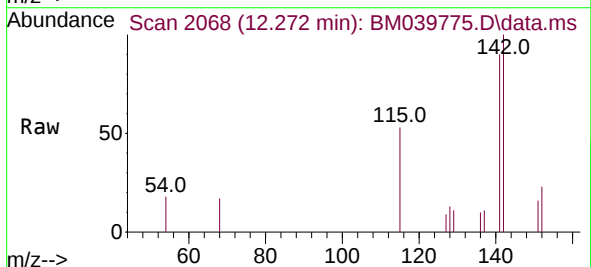
Manual Integrations
APPROVED

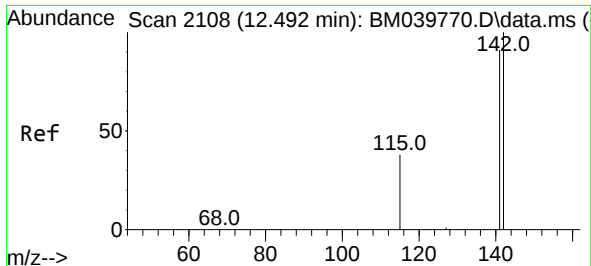
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#7
2-Methylnaphthalene
Concen: 0.091 ng/ul
RT: 12.272 min Scan# 2068
Delta R.T. -0.005 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

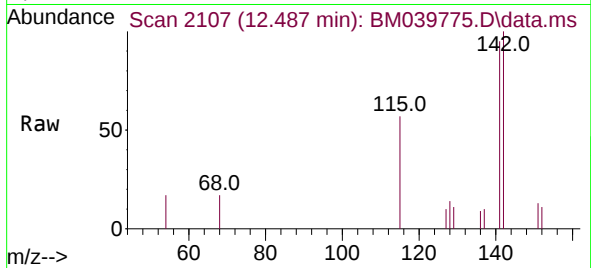
Tgt Ion:142 Resp: 1684
Ion Ratio Lower Upper
142 100
141 86.5 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.487 min Scan# 2108
Delta R.T. -0.005 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

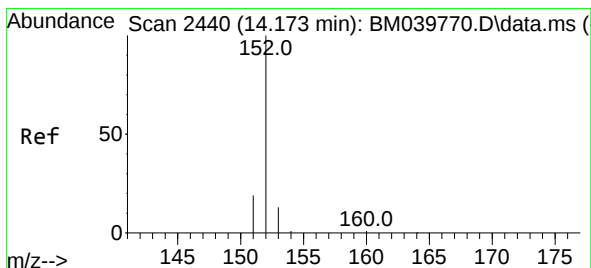
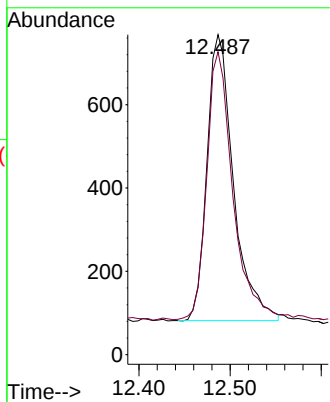
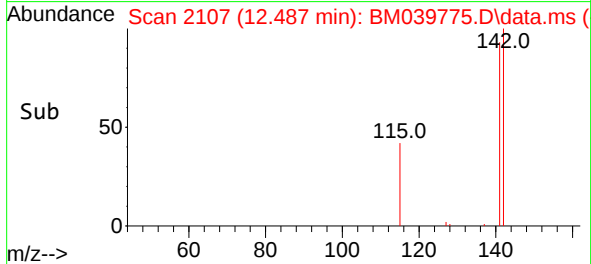
Instrument :
BNA_M
ClientSampleId :
CB9D6



Tgt Ion:142 Resp: 1385
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2

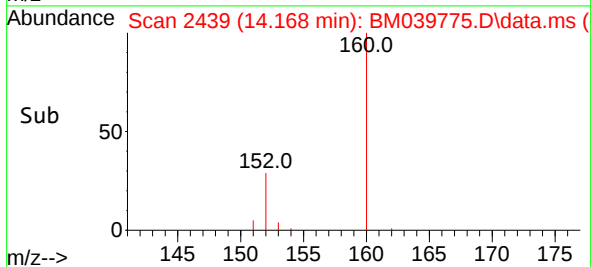
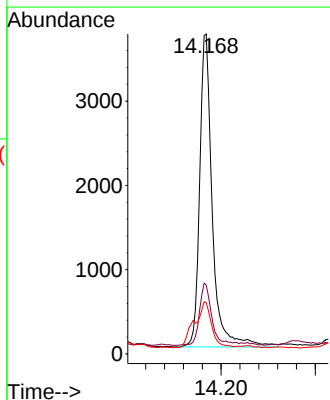
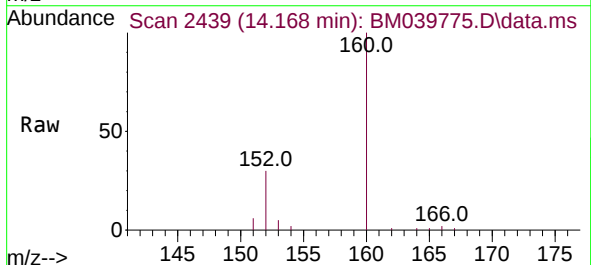
Manual Integrations
APPROVED

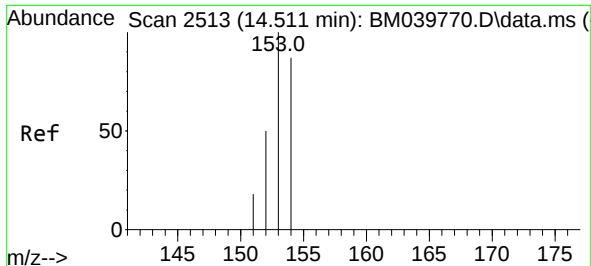
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 0.244 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

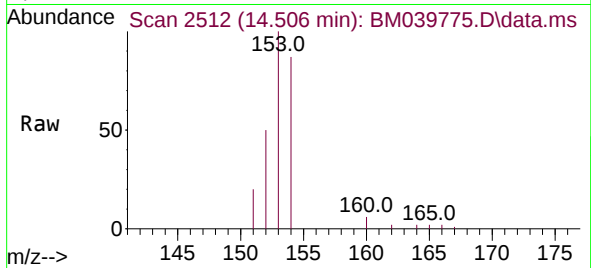
Tgt Ion:152 Resp: 6918
Ion Ratio Lower Upper
152 100
151 21.6 16.0 24.0
153 16.1 11.2 16.8





#11
Acenaphthene
Concen: 0.391 ng/ul
RT: 14.506 min Scan# 2513
Delta R.T. -0.005 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

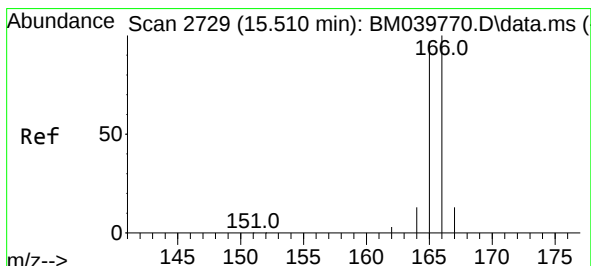
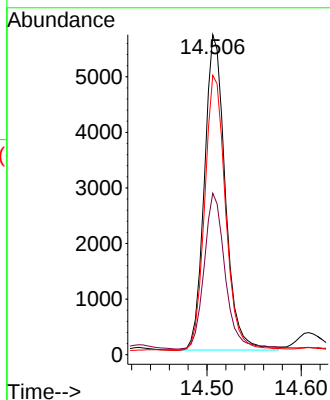
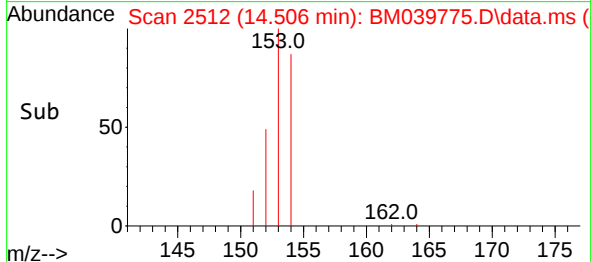
Instrument :
BNA_M
ClientSampleId :
CB9D6



Tgt Ion:153 Resp: 872
Ion Ratio Lower Upper
153 100
152 50.5 40.6 61.0
154 87.3 71.9 107.9

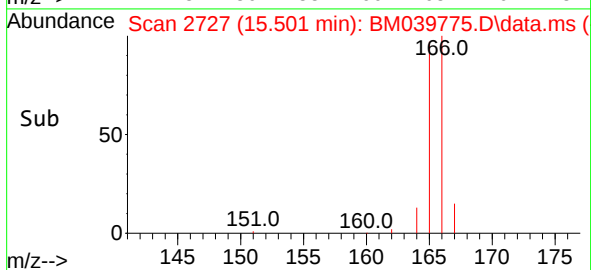
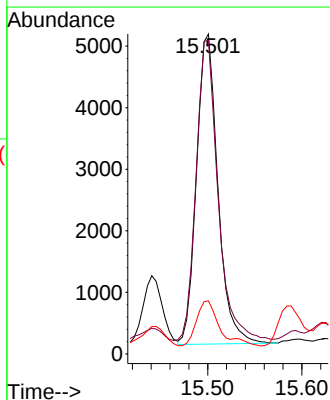
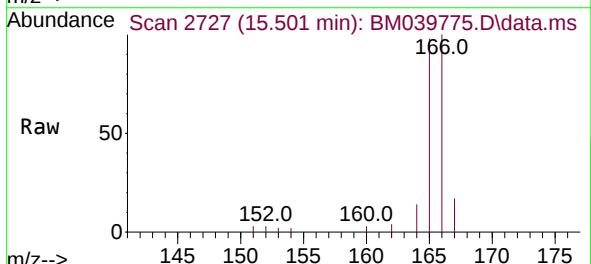
Manual Integrations
APPROVED

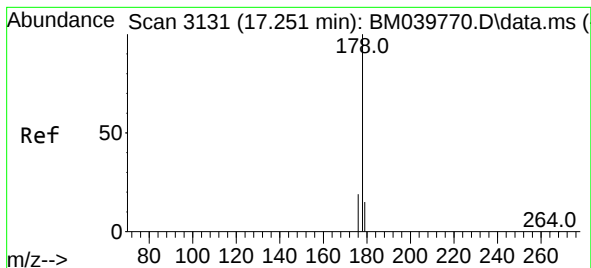
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 0.321 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.009 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

Tgt Ion:166 Resp: 7940
Ion Ratio Lower Upper
166 100
165 98.0 79.0 118.6
167 16.6 11.8 17.6





#15

Phenanthrene

Concen: 5.189 ng/ul

RT: 17.238 min Scan# 31

Delta R.T. -0.008 min

Lab File: BM039775.D

Acq: 01 May 2023 13:43

Instrument :

BNA_M

ClientSampleId :

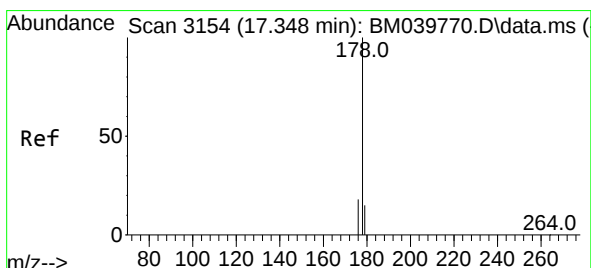
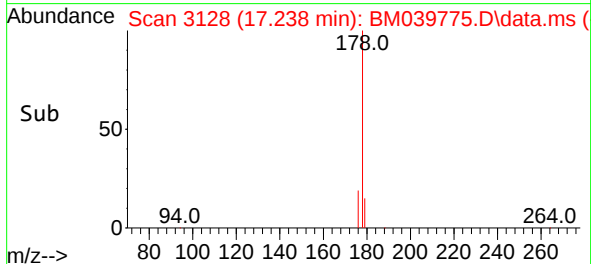
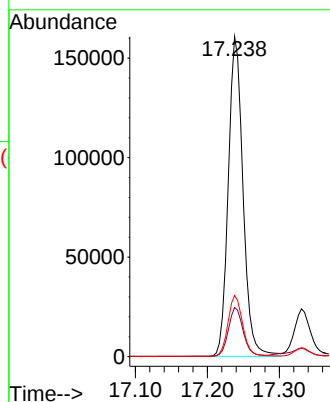
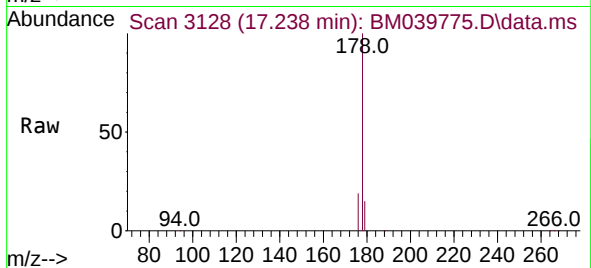
CB9D6

Tgt Ion:178	Resp:	228628
Ion Ratio	Lower	Upper
178	100	
179	15.4	13.0 19.6
176	19.1	15.8 23.8

Manual Integrations

APPROVED

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



#16

Anthracene

Concen: 0.904 ng/ul

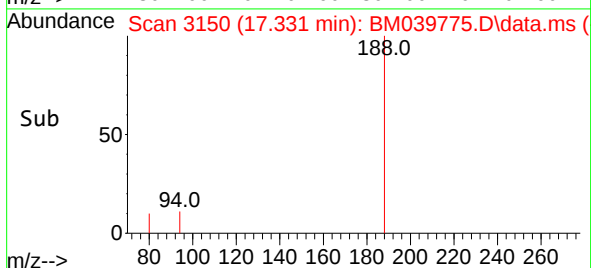
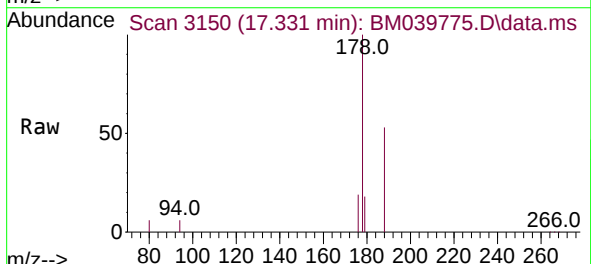
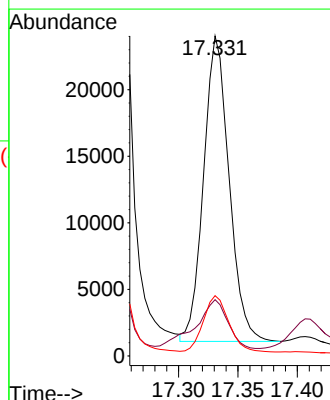
RT: 17.331 min Scan# 3150

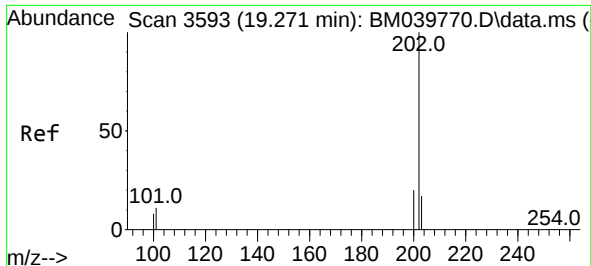
Delta R.T. -0.013 min

Lab File: BM039775.D

Acq: 01 May 2023 13:43

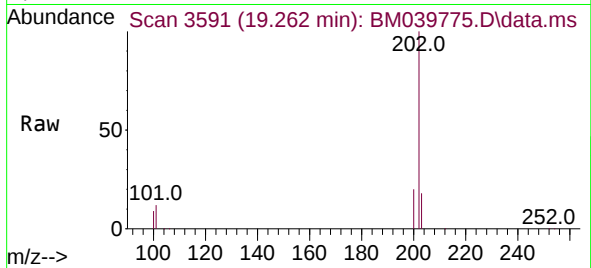
Tgt Ion:178	Resp:	34197
Ion Ratio	Lower	Upper
178	100	
179	17.6	13.8 20.6
176	18.8	15.8 23.8





#19
Fluoranthene
Concen: 13.610 ng/u1
RT: 19.262 min Scan# 3591
Delta R.T. -0.005 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

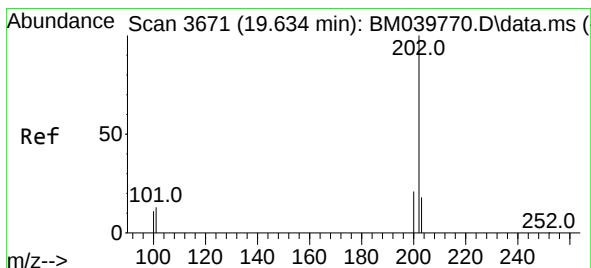
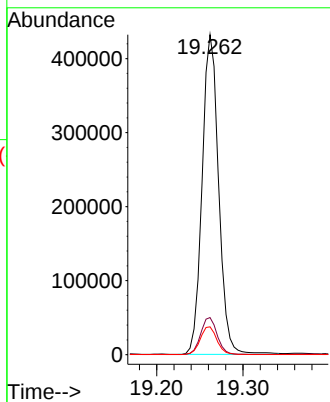
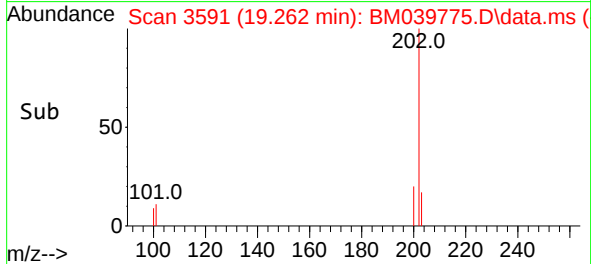
Instrument :
BNA_M
ClientSampleId :
CB9D6



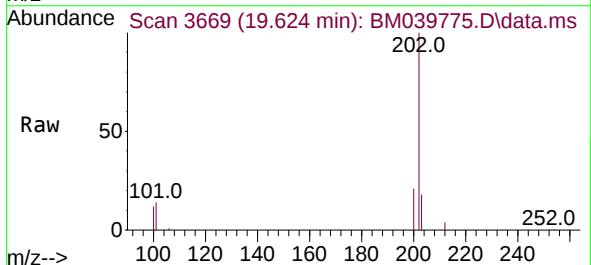
Tgt Ion:202 Resp: 576830
Ion Ratio Lower Upper
202 100
101 11.6 9.8 14.8
100 8.7 7.3 10.9

Manual Integrations
APPROVED

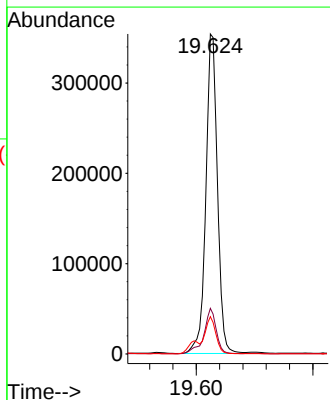
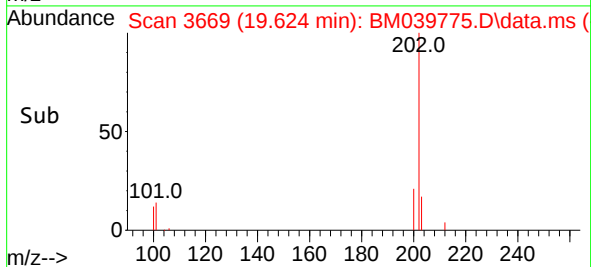
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

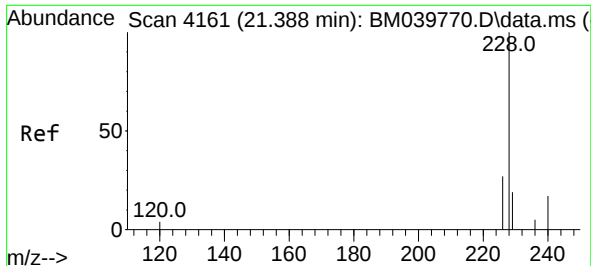


#20
Pyrene
Concen: 10.764 ng/u1
RT: 19.624 min Scan# 3669
Delta R.T. -0.009 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43



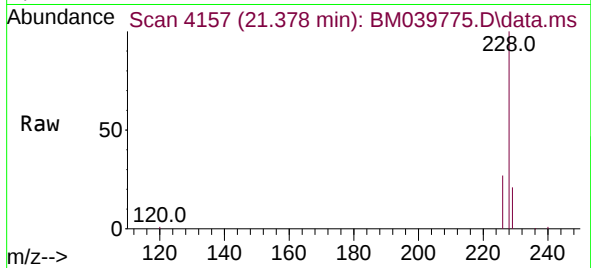
Tgt Ion:202 Resp: 492652
Ion Ratio Lower Upper
202 100
101 14.2 10.9 16.3
100 11.6 8.9 13.3





#21
Benzo(a)anthracene
Concen: 7.633 ng/u1
RT: 21.378 min Scan# 4161
Delta R.T. -0.006 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

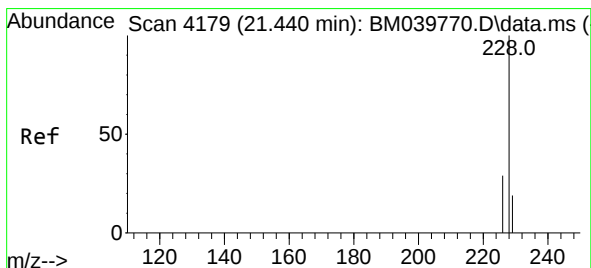
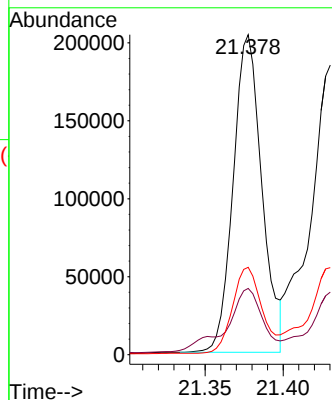
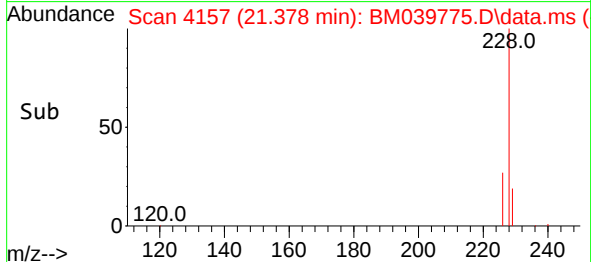
Instrument :
BNA_M
ClientSampleId :
CB9D6



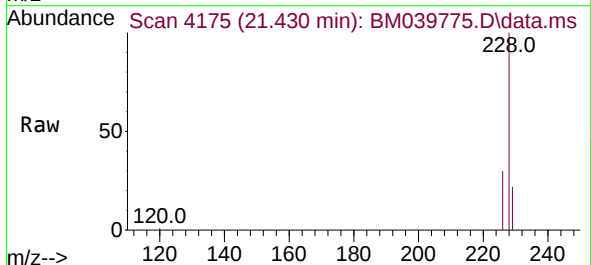
Tgt Ion:228 Resp: 260710
Ion Ratio Lower Upper
228 100
229 20.7 16.2 24.2
226 27.3 21.6 32.4

Manual Integrations
APPROVED

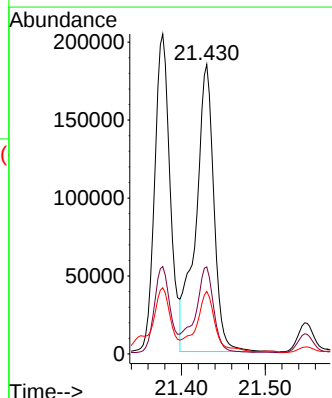
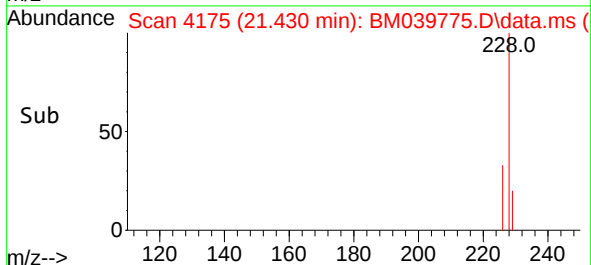
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

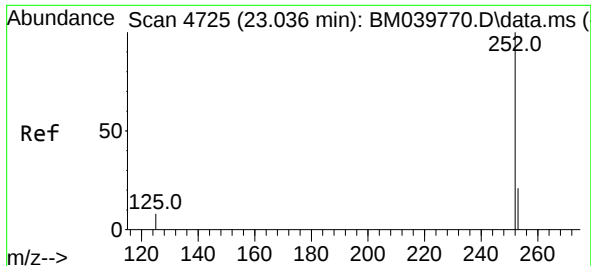


#22
Chrysene
Concen: 7.185 ng/u1
RT: 21.430 min Scan# 4175
Delta R.T. -0.006 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43



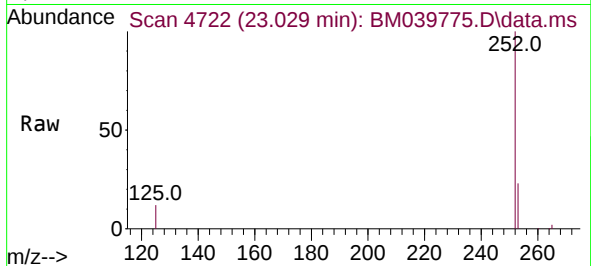
Tgt Ion:228 Resp: 277740
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.6 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 9.129 ng/ul m
RT: 23.029 min Scan# 4722
Delta R.T. -0.003 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

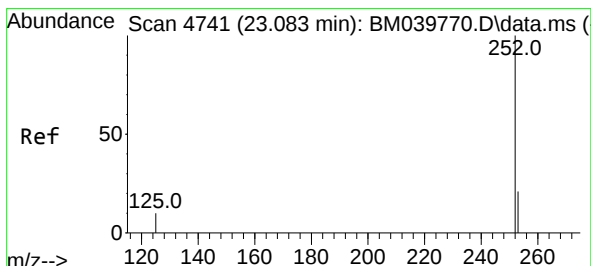
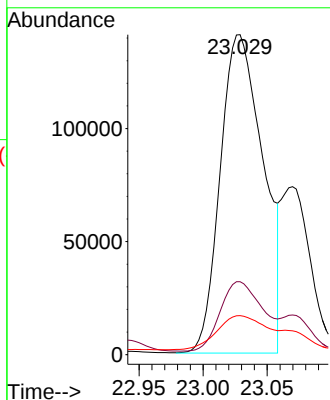
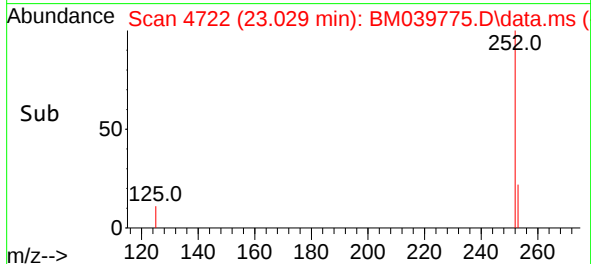
Instrument :
BNA_M
ClientSampleId :
CB9D6



Tgt Ion:252 Resp: 32871
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 12.2 0.0 31.6

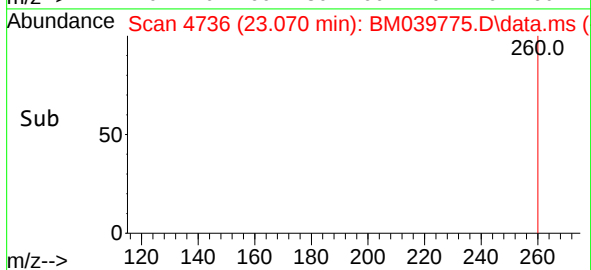
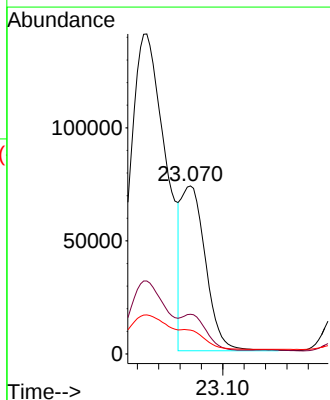
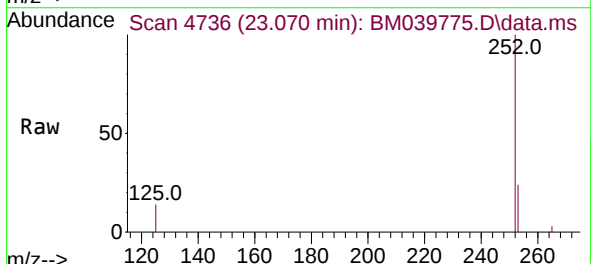
Manual Integrations
APPROVED

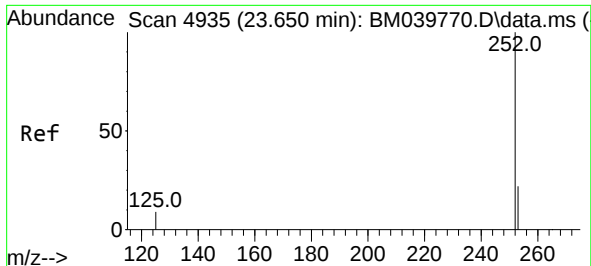
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#25
Benzo(k)fluoranthene
Concen: 3.158 ng/ul m
RT: 23.070 min Scan# 4736
Delta R.T. -0.009 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

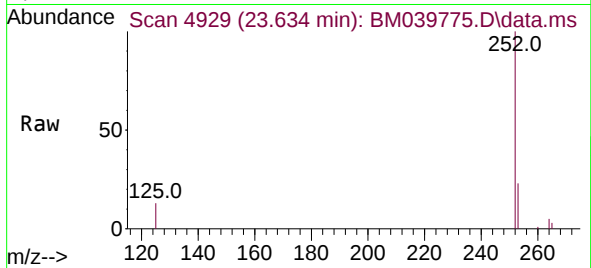
Tgt Ion:252 Resp: 115798
Ion Ratio Lower Upper
252 100
253 23.7 21.3 31.9
125 14.2 13.0 19.6





#26
Benzo(a)pyrene
Concen: 6.026 ng/ul
RT: 23.634 min Scan# 4935
Delta R.T. -0.009 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

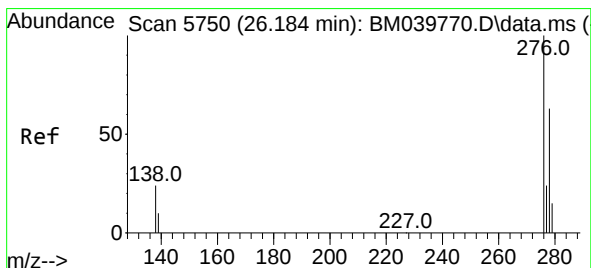
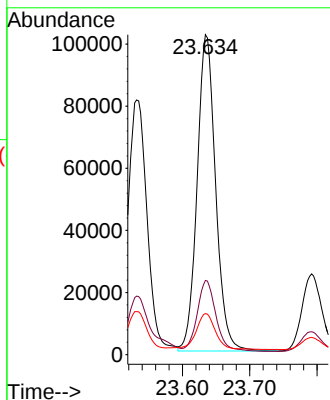
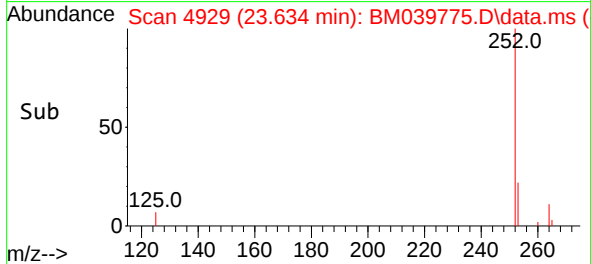
Instrument :
BNA_M
ClientSampleId :
CB9D6



Tgt Ion:252 Resp: 194800
Ion Ratio Lower Upper
252 100
253 23.2 24.7 37.1
125 12.8 16.5 24.7

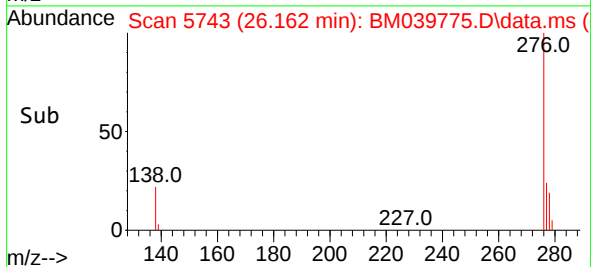
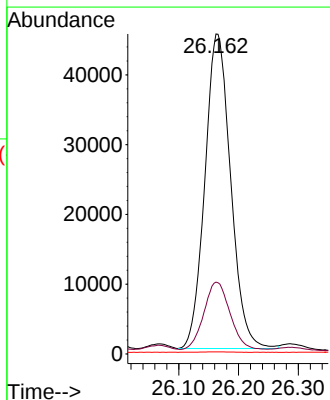
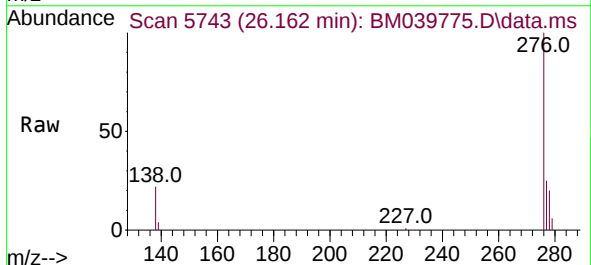
Manual Integrations
APPROVED

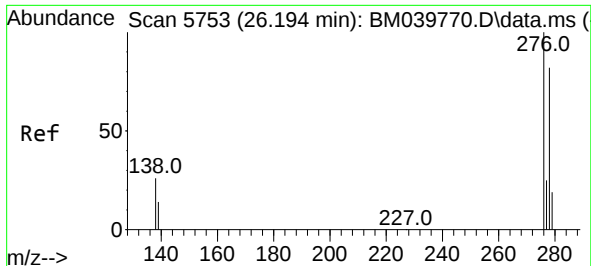
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.300 ng/ul
RT: 26.162 min Scan# 5743
Delta R.T. -0.017 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

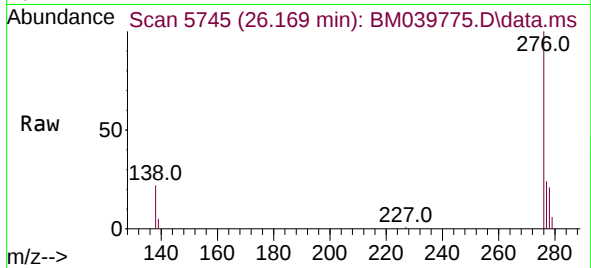
Tgt Ion:276 Resp: 134920
Ion Ratio Lower Upper
276 100
138 22.1 21.1 31.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.025 ng/ul
RT: 26.169 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43

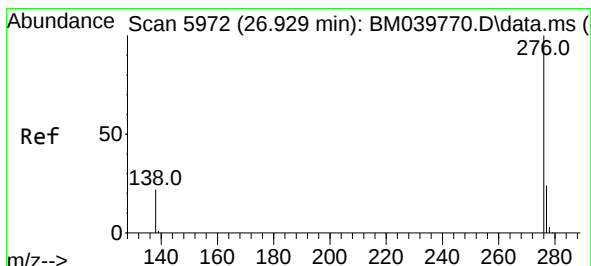
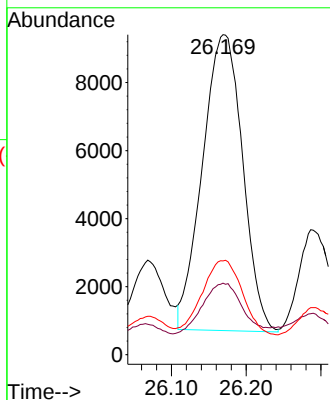
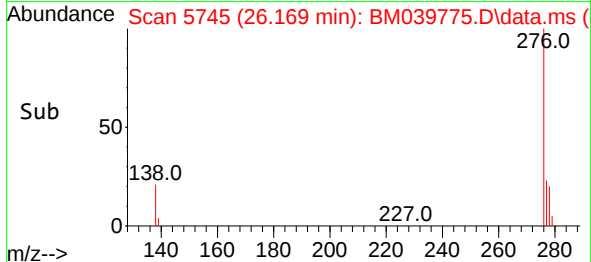
Instrument :
BNA_M
ClientSampleId :
CB9D6



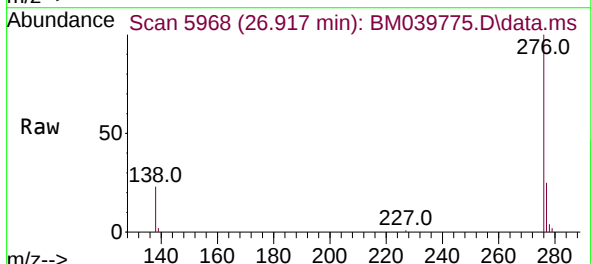
Tgt Ion:278 Resp: 3252
Ion Ratio Lower Upper
278 100
139 22.3 17.0 25.6
279 29.3 23.4 35.2

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 3.025 ng/ul
RT: 26.917 min Scan# 5968
Delta R.T. -0.003 min
Lab File: BM039775.D
Acq: 01 May 2023 13:43



Tgt Ion:276 Resp: 107758
Ion Ratio Lower Upper
276 100
138 23.3 20.1 30.1
277 24.6 20.1 30.1

