

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121522\
 Data File : BM038080.D
 Acq On : 16 Dec 2022 23:12
 Operator : CG/JU
 Sample : N5925-19
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBYC8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

Quant Time: Dec 17 00:11:46 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM121522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 15 21:53:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	5087	0.400	ng/ul	0.00
4) Naphthalene-d8	10.873	136	16268	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.680	164	9543	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.417	188	20523	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	16506	0.400	ng/ul	0.00
23) Perylene-d12	24.038	264	15552	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.402	96	21329	3.068	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.451	152	6451	0.272	ng/ul	0.00
18) Fluoranthene-d10	19.431	212	15204	0.254	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.922	128	3819	0.077	ng/ul#	95
7) 2-Methylnaphthalene	12.522	142	1115	0.037	ng/ul	96
8) 1-Methylnaphthalene	12.737	142	675	0.022	ng/ul	98
10) Acenaphthylene	14.402	152	3868	0.077	ng/ul#	92
11) Acenaphthene	14.740	153	863	0.023	ng/ul	95
12) Fluorene	15.726	166	932	0.022	ng/ul#	92
14) Pentachlorophenol	17.071	266	646	0.076	ng/ul	98
15) Phenanthrene	17.460	178	20233	0.293	ng/ul	99
16) Anthracene	17.548	178	4463	0.070	ng/ul#	91
19) Fluoranthene	19.464	202	56734	0.665	ng/ul	98
20) Pyrene	19.826	202	46039m	0.529	ng/ul	
21) Benzo(a)anthracene	21.565	228	29877	0.419	ng/ul	98
22) Chrysene	21.621	228	33903	0.471	ng/ul	97
24) Benzo(b)fluoranthene	23.287	252	55443	0.752	ng/ul	97
25) Benzo(k)fluoranthene	23.331	252	18677m	0.262	ng/ul	
26) Benzo(a)pyrene	23.930	252	33992	0.547	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.603	276	26141	0.335	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.609	278	6278	0.103	ng/ul#	69
29) Benzo(g,h,i)perylene	27.401	276	23834	0.360	ng/ul	97

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

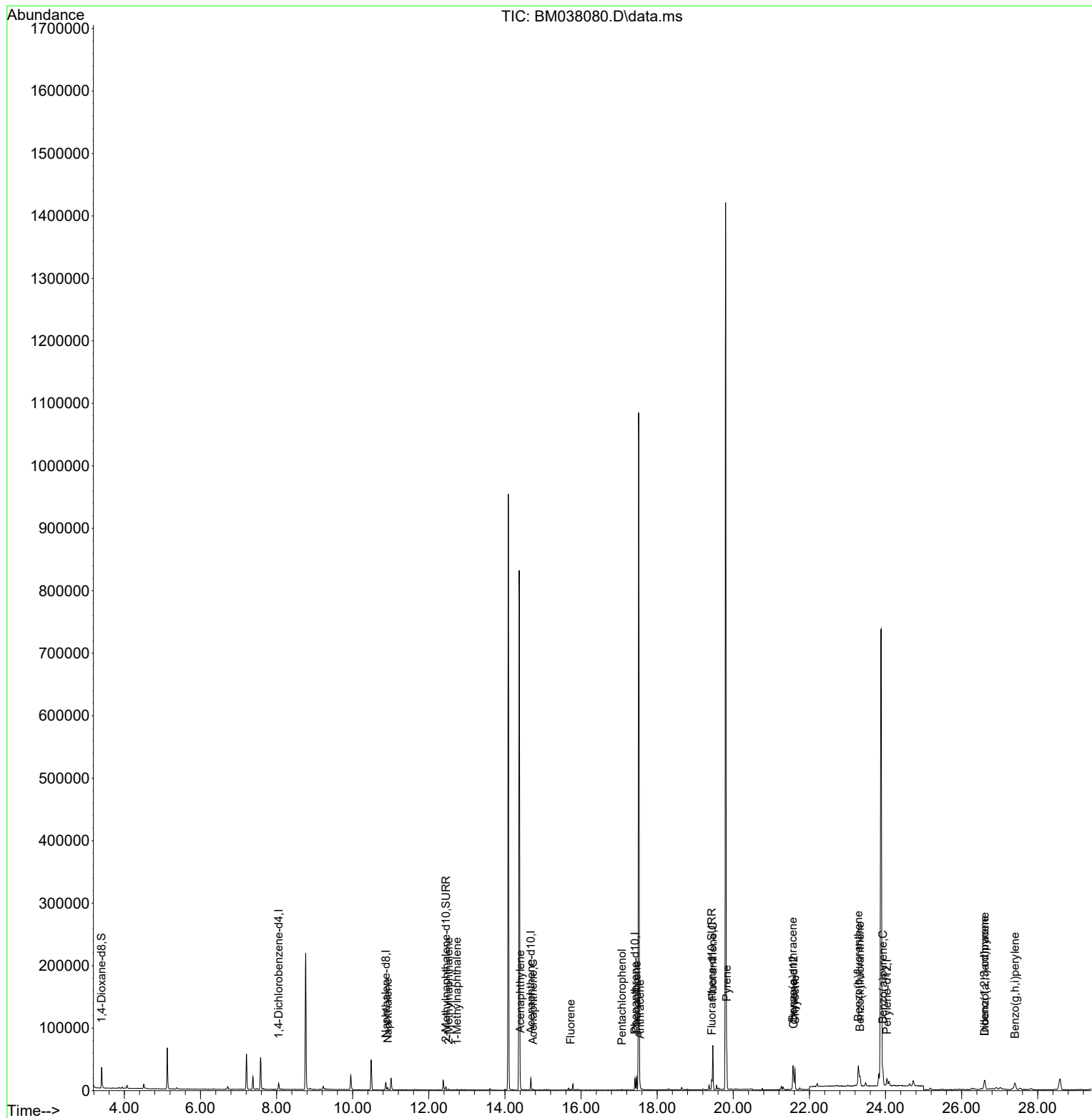
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121522\
Data File : BM038080.D
Acq On : 16 Dec 2022 23:12
Operator : CG/JU
Sample : N5925-19
Misc :
ALS Vial : 61 Sample Multiplier: 1

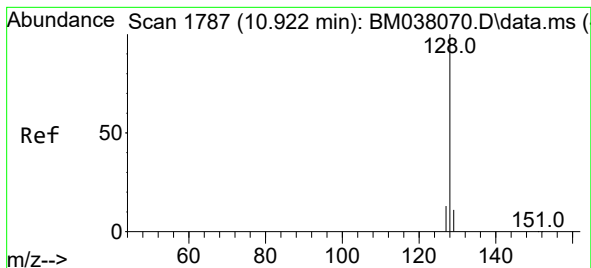
Instrument :
BNA_M
ClientSampleId :
DBYC8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

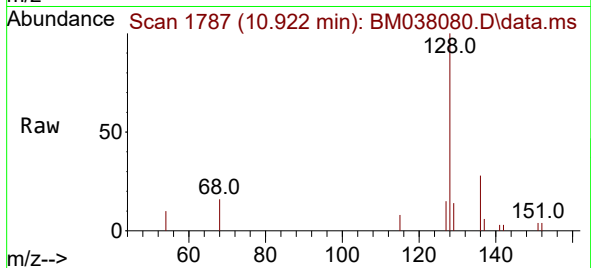
Quant Time: Dec 17 00:11:46 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM121522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 15 21:53:17 2022
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.077 ng/ul
RT: 10.922 min Scan# 1787
Delta R.T. -0.005 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

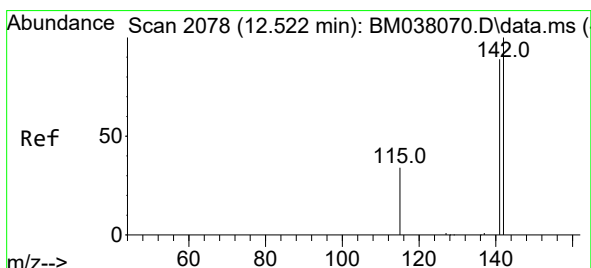
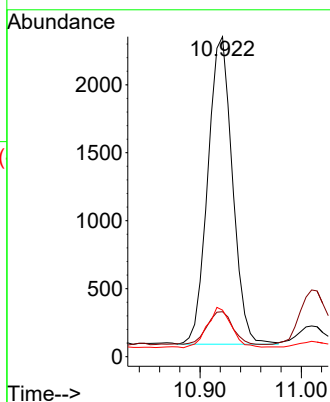
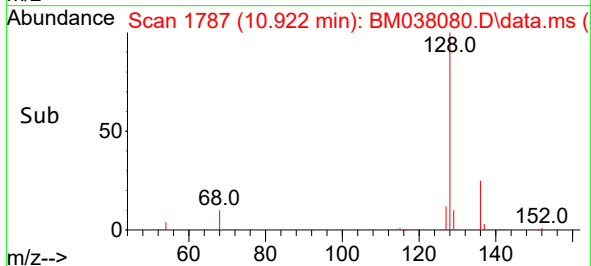
Instrument :
BNA_M
ClientSampleId :
DBYC8



Tgt Ion:128 Resp: 3819
Ion Ratio Lower Upper
128 100
129 14.1 9.1 13.7
127 14.5 10.4 15.6

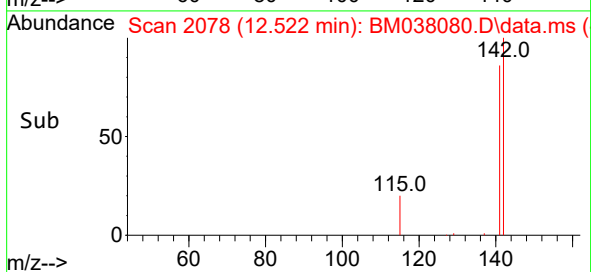
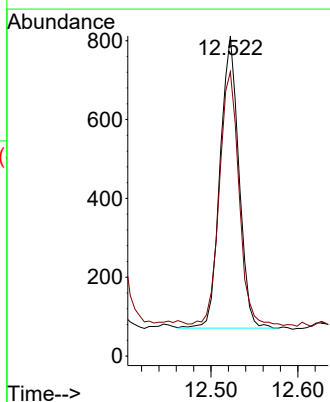
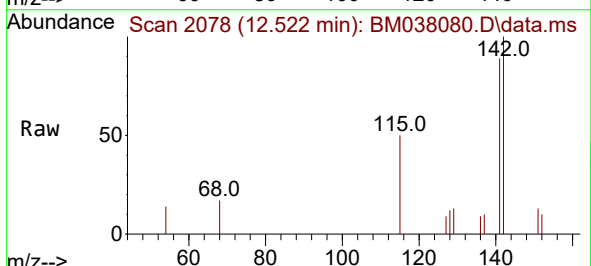
Manual Integrations
APPROVED

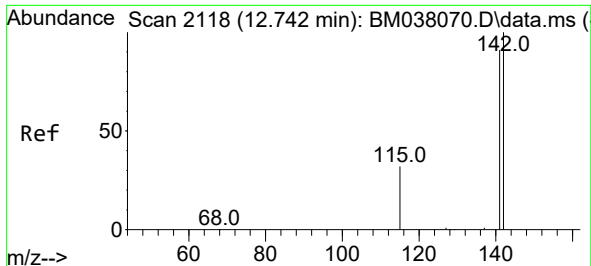
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#7
2-Methylnaphthalene
Concen: 0.037 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.005 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

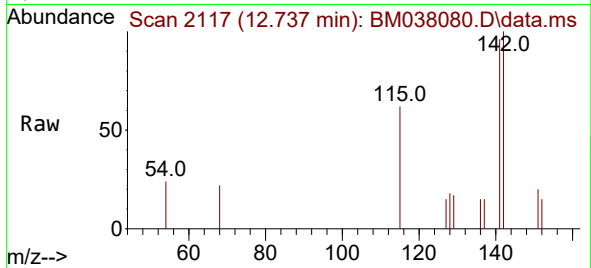
Tgt Ion:142 Resp: 1115
Ion Ratio Lower Upper
142 100
141 91.8 70.4 105.6





#8
1-Methylnaphthalene
Concen: 0.022 ng/ul
RT: 12.737 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

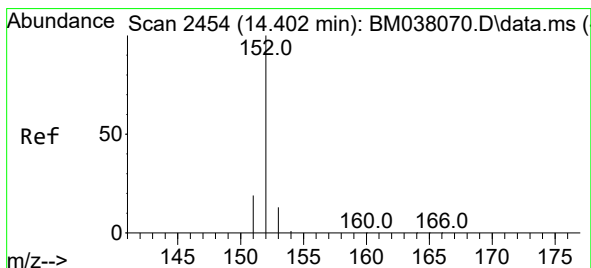
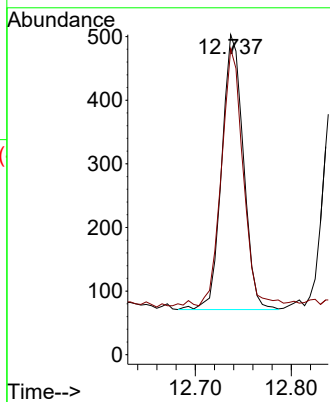
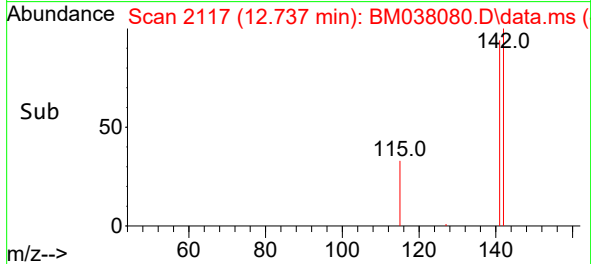
Instrument :
BNA_M
ClientSampleId :
DBYC8



Tgt Ion:142 Resp: 679
Ion Ratio Lower Upper
142 100
141 94.1 73.6 110.4

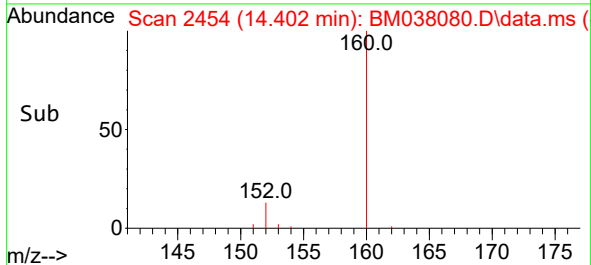
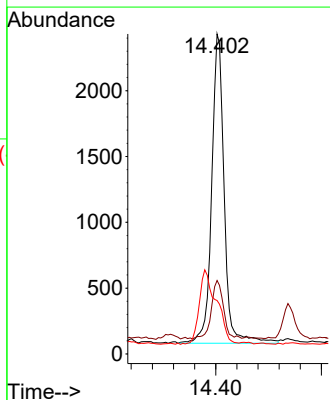
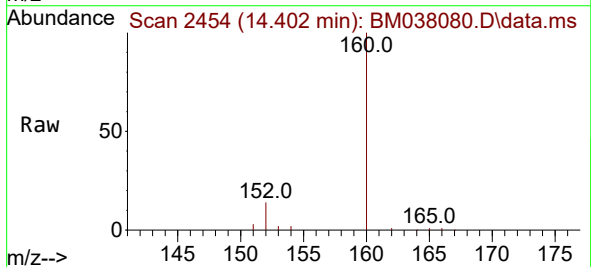
Manual Integrations
APPROVED

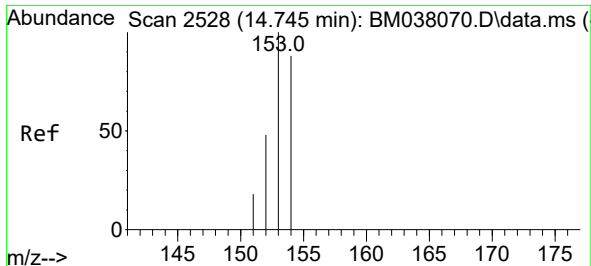
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#10
Acenaphthylene
Concen: 0.077 ng/ul
RT: 14.402 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

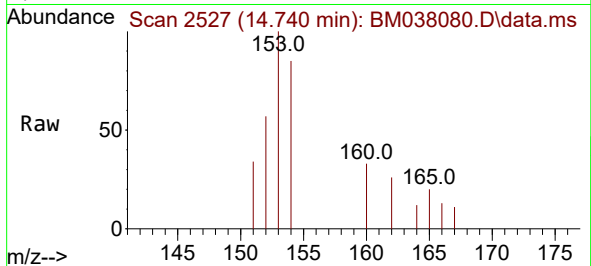
Tgt Ion:152 Resp: 3868
Ion Ratio Lower Upper
152 100
151 23.0 15.5 23.3
153 16.7 11.0 16.4#





#11
Acenaphthene
Concen: 0.023 ng/ul
RT: 14.740 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

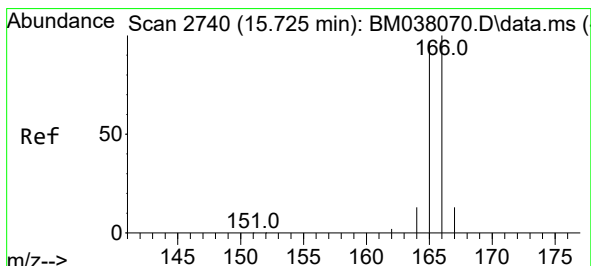
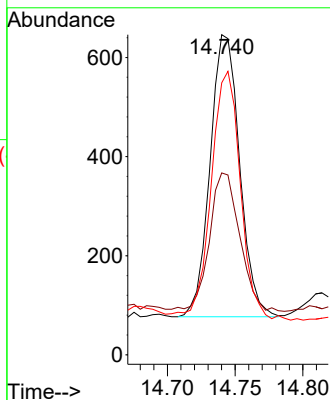
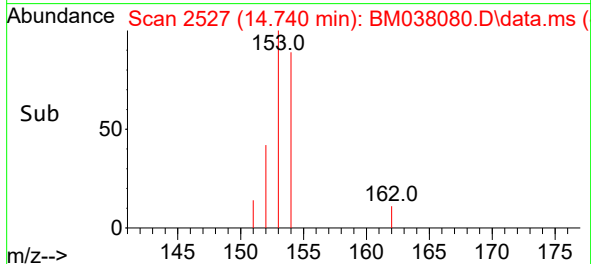
Instrument :
BNA_M
ClientSampleId :
DBYC8



Tgt Ion:153 Resp: 86
Ion Ratio Lower Upper
153 100
152 56.8 39.5 59.3
154 85.0 69.2 103.8

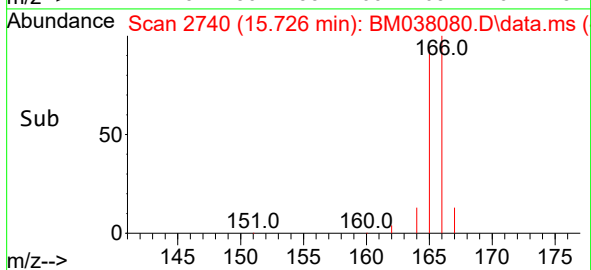
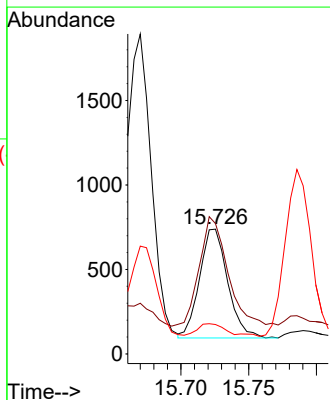
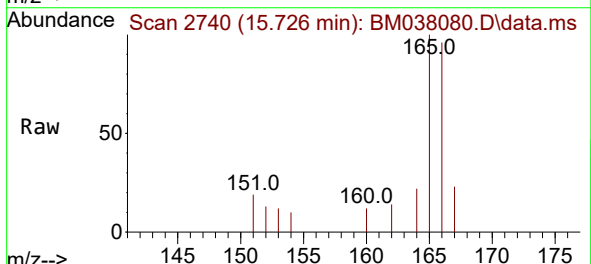
Manual Integrations
APPROVED

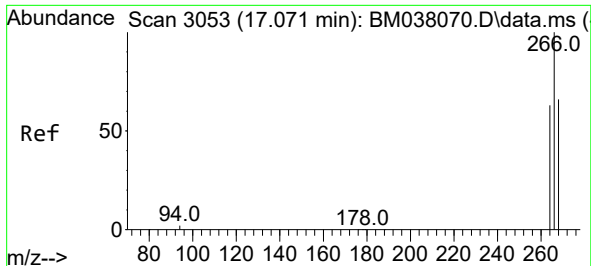
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#12
Fluorene
Concen: 0.022 ng/ul
RT: 15.726 min Scan# 2740
Delta R.T. -0.004 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

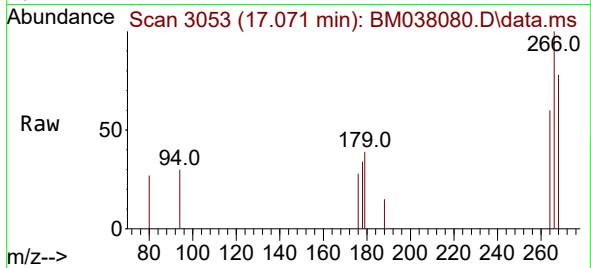
Tgt Ion:166 Resp: 932
Ion Ratio Lower Upper
166 100
165 104.5 79.0 118.4
167 23.5 11.1 16.7#





#14
Pentachlorophenol
Concen: 0.076 ng/ul
RT: 17.071 min Scan# 3053
Delta R.T. 0.000 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

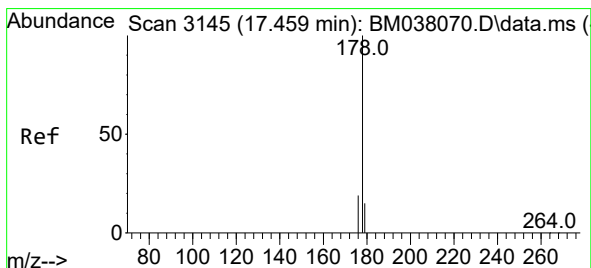
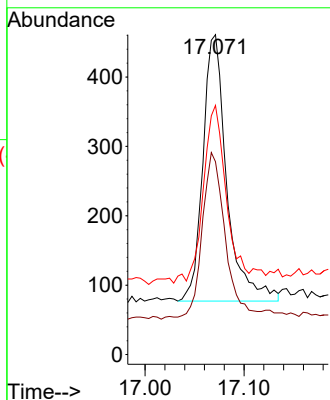
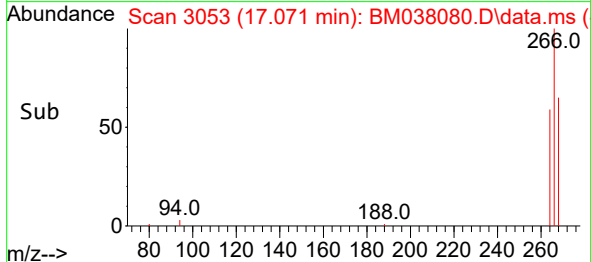
Instrument :
BNA_M
ClientSampleId :
DBYC8



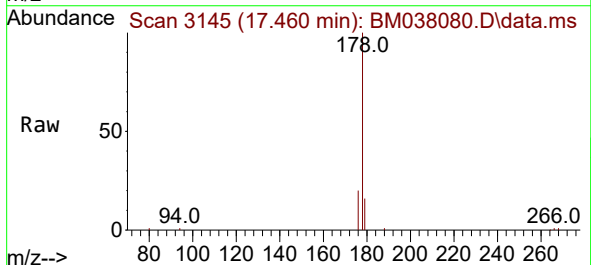
Tgt Ion:266 Resp: 640
Ion Ratio Lower Upper
266 100
264 60.4 49.9 74.9
268 63.3 52.0 78.0

Manual Integrations
APPROVED

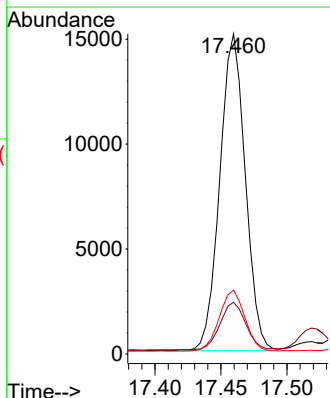
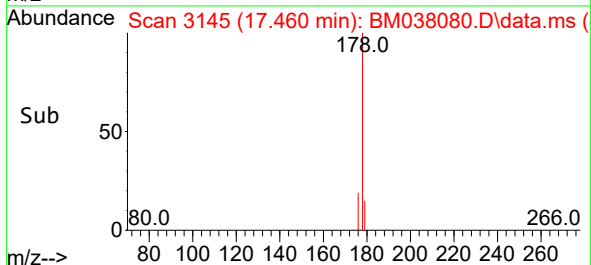
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

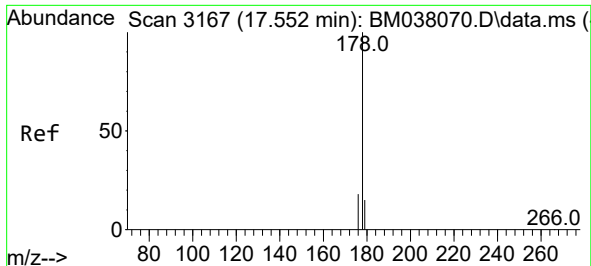


#15
Phenanthrene
Concen: 0.293 ng/ul
RT: 17.460 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12



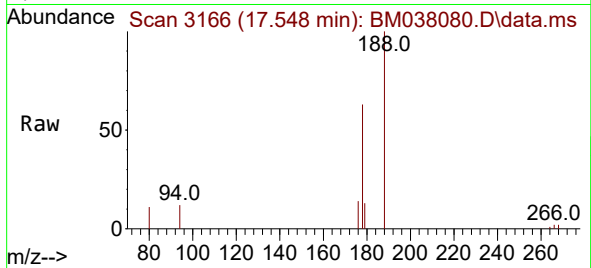
Tgt Ion:178 Resp: 20233
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 19.9 15.8 23.6





#16
 Anthracene
 Concen: 0.070 ng/ul
 RT: 17.548 min Scan# 3166
 Delta R.T. -0.008 min
 Lab File: BM038080.D
 Acq: 16 Dec 2022 23:12

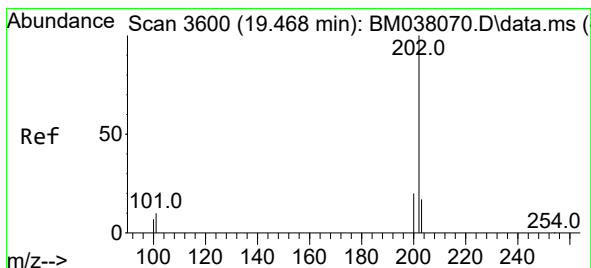
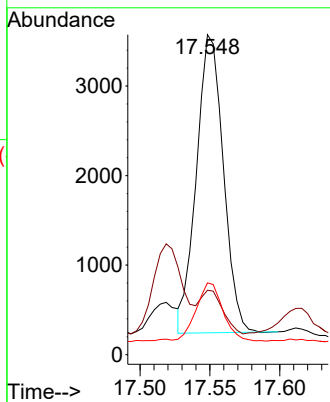
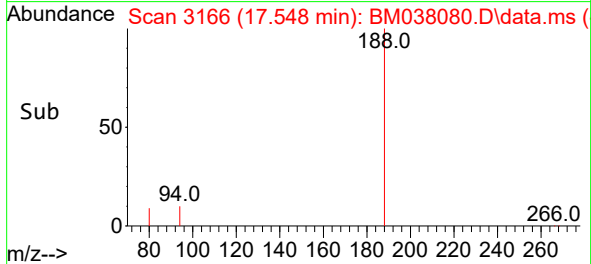
Instrument :
 BNA_M
 ClientSampleId :
 DBYC8



Tgt Ion:178 Resp: 446
 Ion Ratio Lower Upper
 178 100
 179 20.2 13.0 19.4
 176 22.4 15.0 22.4

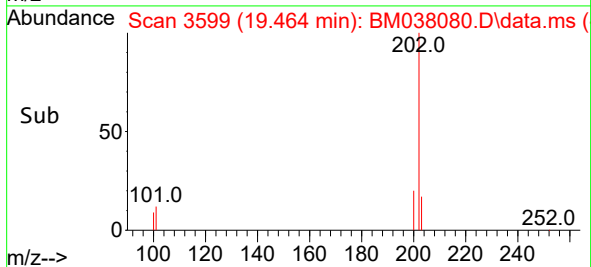
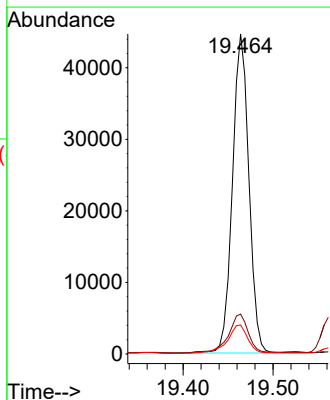
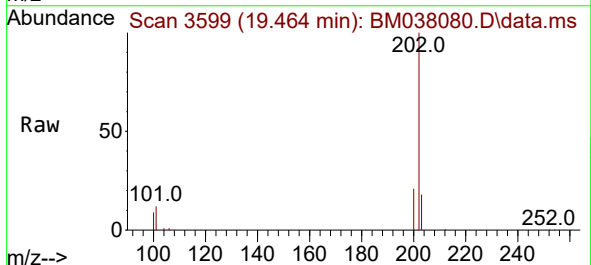
Manual Integrations
 APPROVED

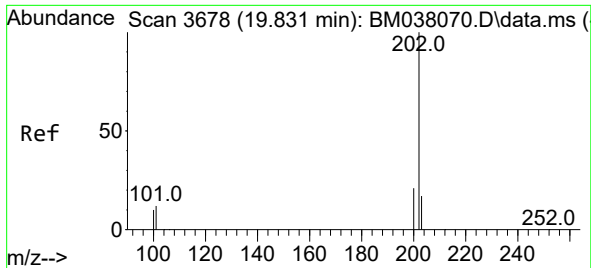
Reviewed By :Jagrut Upadhyay 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022



#19
 Fluoranthene
 Concen: 0.665 ng/ul
 RT: 19.464 min Scan# 3599
 Delta R.T. -0.005 min
 Lab File: BM038080.D
 Acq: 16 Dec 2022 23:12

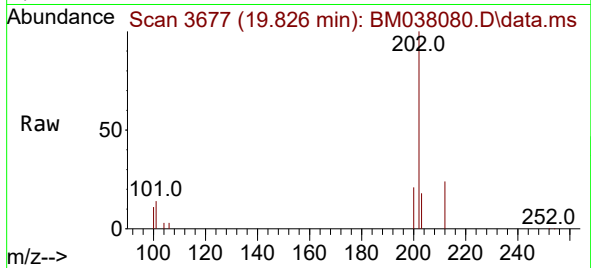
Tgt Ion:202 Resp: 56734
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.6 15.8
 100 9.1 7.9 11.9





#20
Pyrene
Concen: 0.529 ng/ul m
RT: 19.826 min Scan# 3677
Delta R.T. -0.005 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

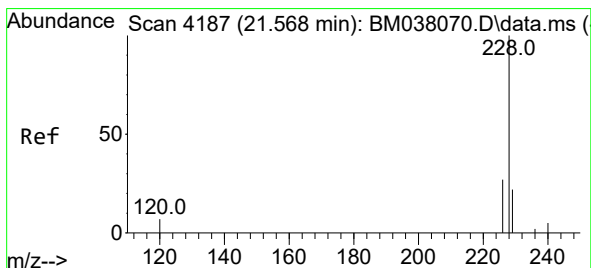
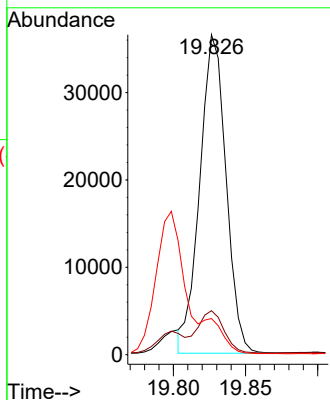
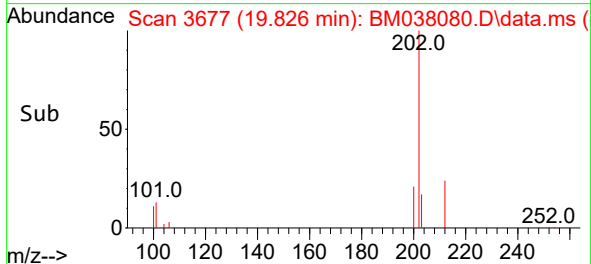
Instrument :
BNA_M
ClientSampleId :
DBYC8



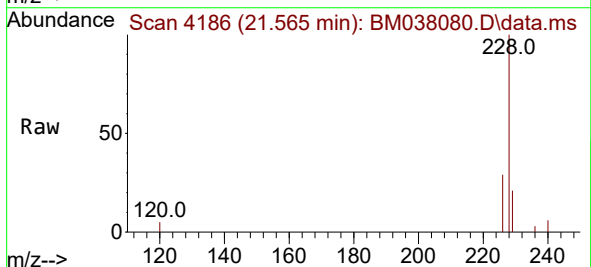
Tgt Ion:202 Resp: 46039
Ion Ratio Lower Upper
202 100
101 13.8 12.1 18.1
100 11.3 9.8 14.6

Manual Integrations
APPROVED

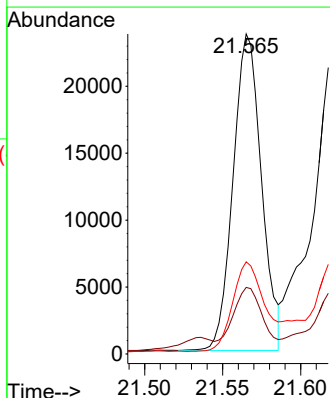
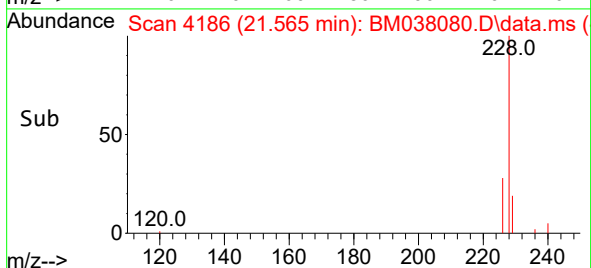
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

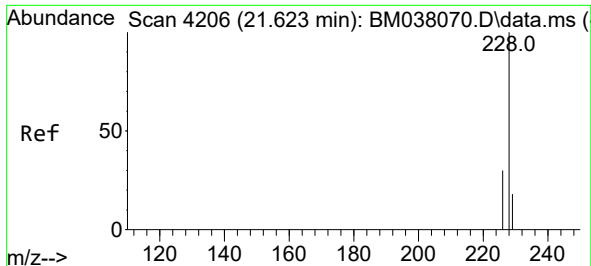


#21
Benzo(a)anthracene
Concen: 0.419 ng/ul
RT: 21.565 min Scan# 4186
Delta R.T. -0.003 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12



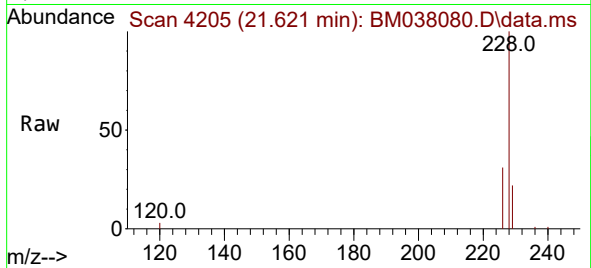
Tgt Ion:228 Resp: 29877
Ion Ratio Lower Upper
228 100
229 20.8 15.9 23.9
226 28.8 22.1 33.1





#22
Chrysene
Concen: 0.471 ng/ul
RT: 21.621 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

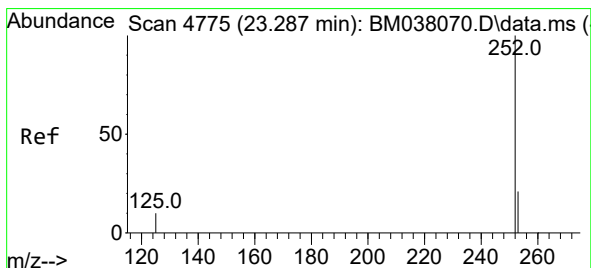
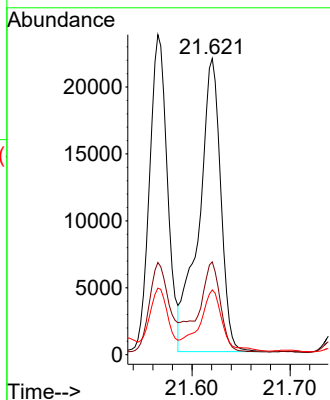
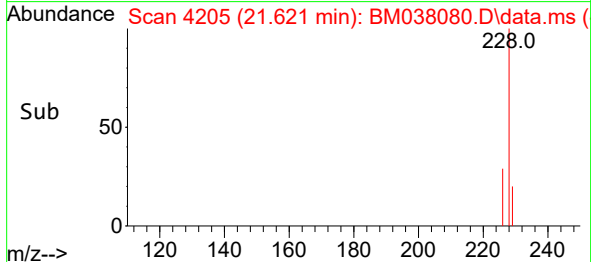
Instrument :
BNA_M
ClientSampleId :
DBYC8



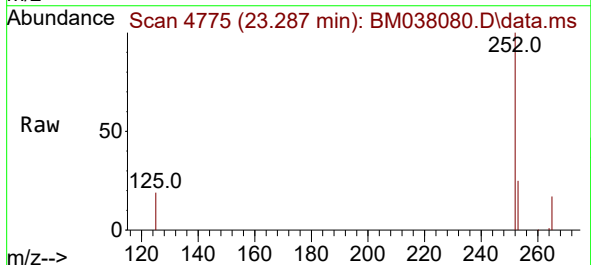
Tgt Ion:228 Resp: 3390
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 21.9 15.7 23.5

Manual Integrations
APPROVED

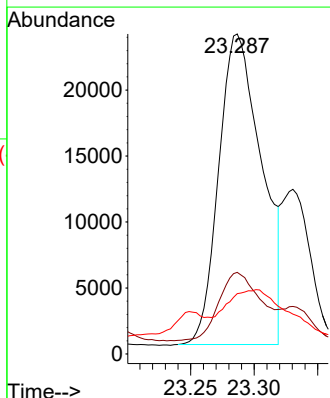
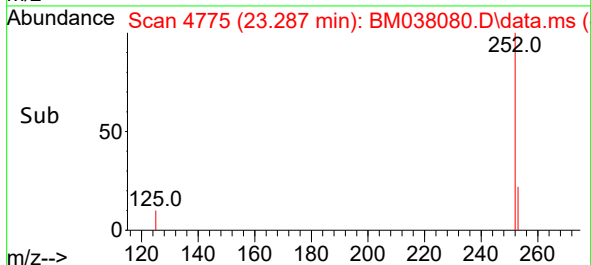
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

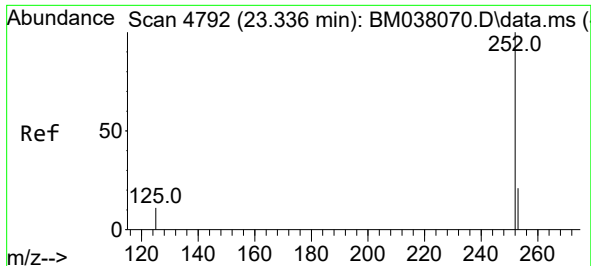


#24
Benzo(b)fluoranthene
Concen: 0.752 ng/ul
RT: 23.287 min Scan# 4775
Delta R.T. 0.000 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12



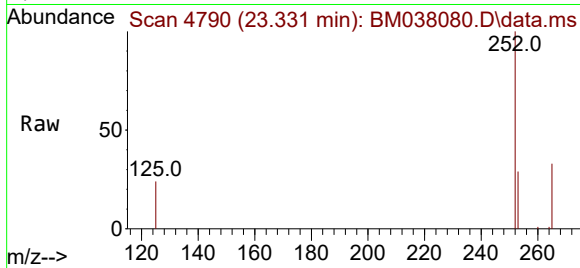
Tgt Ion:252 Resp: 55443
Ion Ratio Lower Upper
252 100
253 25.5 0.0 51.8
125 18.9 0.0 42.2





#25
Benzo(k)fluoranthene
Concen: 0.262 ng/ul m
RT: 23.331 min Scan# 4792
Delta R.T. -0.006 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

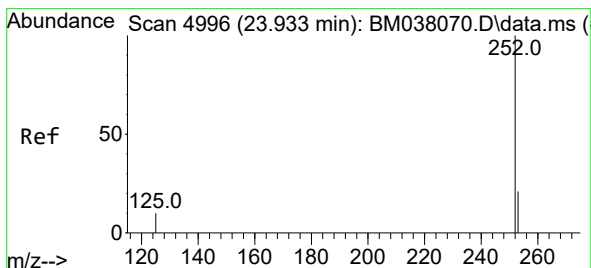
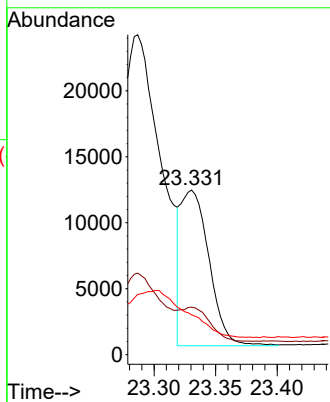
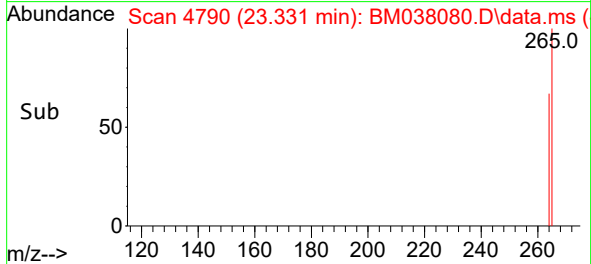
Instrument :
BNA_M
ClientSampleId :
DBYC8



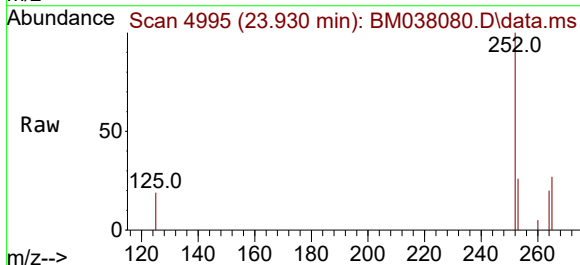
Tgt Ion:252 Resp: 1867
Ion Ratio Lower Upper
252 100
253 28.9 20.8 31.2
125 24.2 17.1 25.7

Manual Integrations
APPROVED

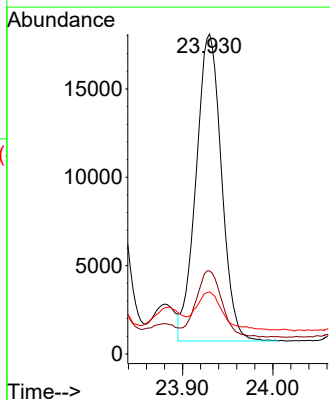
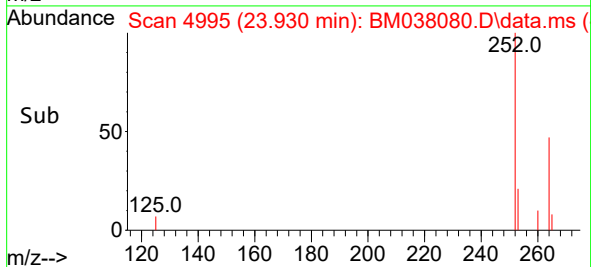
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

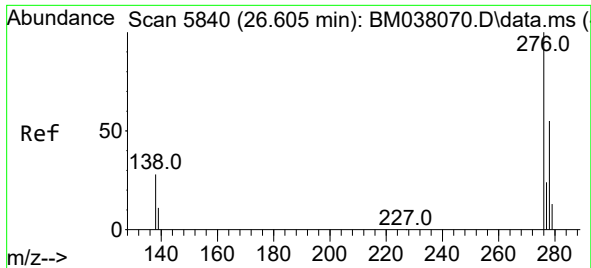


#26
Benzo(a)pyrene
Concen: 0.547 ng/ul
RT: 23.930 min Scan# 4995
Delta R.T. 0.000 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12



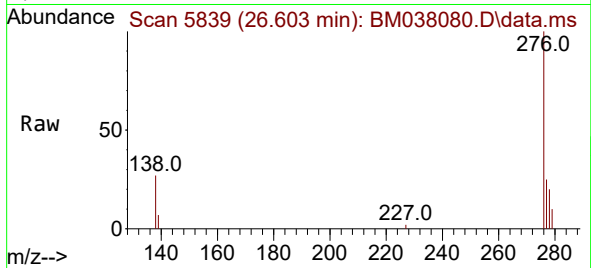
Tgt Ion:252 Resp: 33992
Ion Ratio Lower Upper
252 100
253 26.0 21.9 32.9
125 19.4 20.7 31.1#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.335 ng/ul
RT: 26.603 min Scan# 5839
Delta R.T. -0.006 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

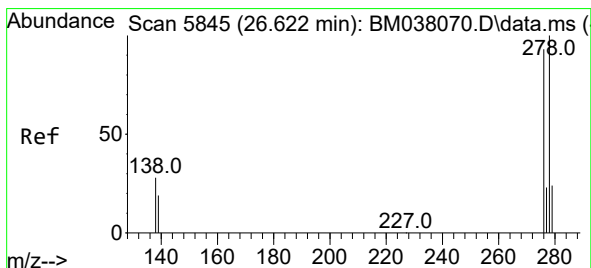
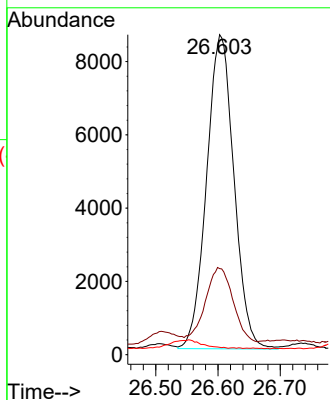
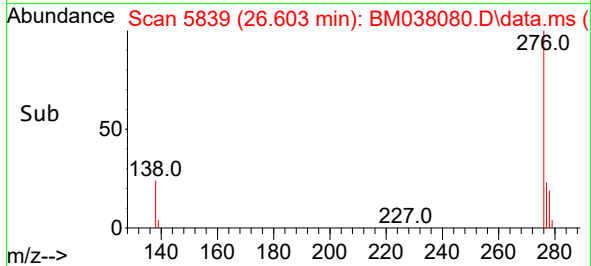
Instrument :
BNA_M
ClientSampleId :
DBYC8



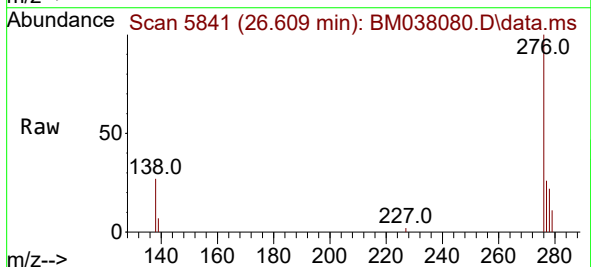
Tgt Ion:276 Resp: 2614
Ion Ratio Lower Upper
276 100
138 26.6 26.6 40.0#
227 0.0 0.1 0.1#

Manual Integrations
APPROVED

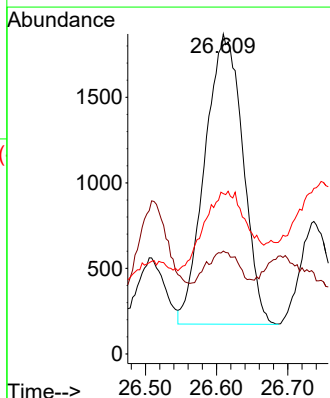
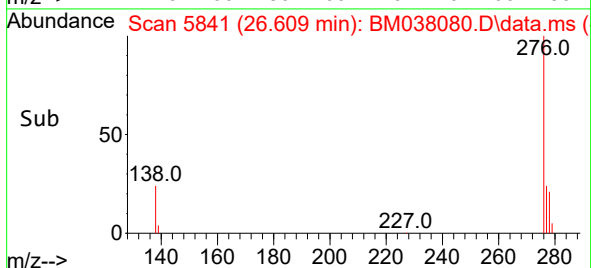
Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

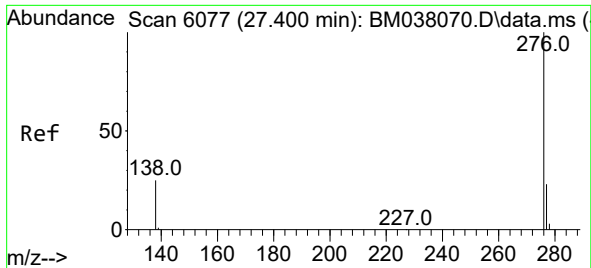


#28
Dibenzo(a,h)anthracene
Concen: 0.103 ng/ul
RT: 26.609 min Scan# 5841
Delta R.T. -0.013 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12



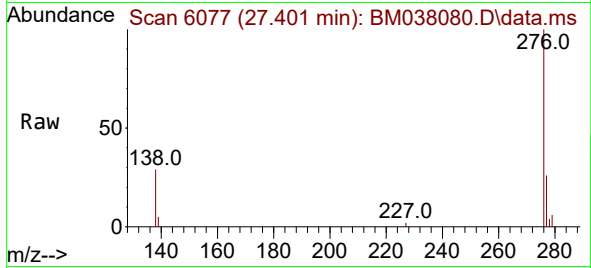
Tgt Ion:278 Resp: 6278
Ion Ratio Lower Upper
278 100
139 32.1 19.0 28.6#
279 50.1 22.4 33.6#





#29
Benzo(g,h,i)perylene
Concen: 0.360 ng/ul
RT: 27.401 min Scan# 6077
Delta R.T. 0.001 min
Lab File: BM038080.D
Acq: 16 Dec 2022 23:12

Instrument :
BNA_M
ClientSampleId :
DBYC8



Tgt Ion:276 Resp: 23834
Ion Ratio Lower Upper
276 100
138 29.0 24.1 36.1
277 25.7 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

