

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043091.D
 Acq On : 30 Nov 2023 18:52
 Operator : MA/JU
 Sample : 05497-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7

Manual Integrations
 APPROVED

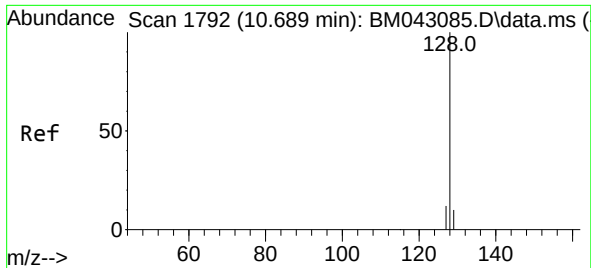
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 01 00:44:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

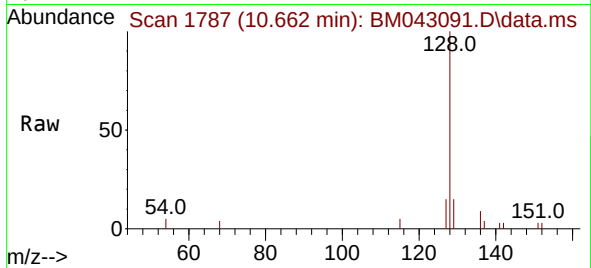
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	858	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.612	136	2544	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.451	164	1401	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.209	188	2851	0.400	ng/ul	-0.02
17) Chrysene-d12	21.400	240	2187	0.400	ng/ul	#-0.01
23) Perylene-d12	23.747	264	2698m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1265	0.961	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.212	152	505	0.148	ng/ul	-0.02
18) Fluoranthene-d10	19.239	212	1152	0.145	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.662	128	3556	0.514	ng/ul#	89
7) 2-Methylnaphthalene	12.284	142	2216	0.543	ng/ul	95
8) 1-Methylnaphthalene	12.498	142	1606	0.353	ng/ul	98
10) Acenaphthylene	14.178	152	432	0.060	ng/ul#	64
11) Acenaphthene	14.516	153	682	0.126	ng/ul	96
12) Fluorene	15.511	166	724	0.130	ng/ul#	95
15) Phenanthrene	17.247	178	13679	1.681	ng/ul	93
16) Anthracene	17.344	178	3950	0.512	ng/ul	95
19) Fluoranthene	19.267	202	18437	1.487	ng/ul#	91
20) Pyrene	19.630	202	16623	1.261	ng/ul#	94
21) Benzo(a)anthracene	21.382	228	7786	1.097	ng/ul	96
22) Chrysene	21.438	228	7503	0.568	ng/ul	98
24) Benzo(b)fluoranthene	23.025	252	9168	1.007	ng/ul	87
25) Benzo(k)fluoranthene	23.069	252	4655m	0.371	ng/ul	
26) Benzo(a)pyrene	23.642	252	6249	0.629	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.191	276	5139	0.382	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.198	278	1306	0.126	ng/ul#	84
29) Benzo(g,h,i)perylene	26.953	276	6166	0.471	ng/ul	95

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



#5
Naphthalene
Concen: 0.514 ng/ul
RT: 10.662 min Scan# 1792
Delta R.T. -0.027 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

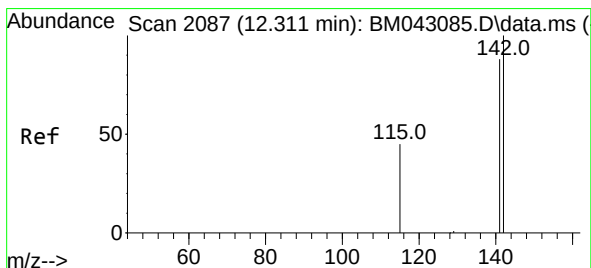
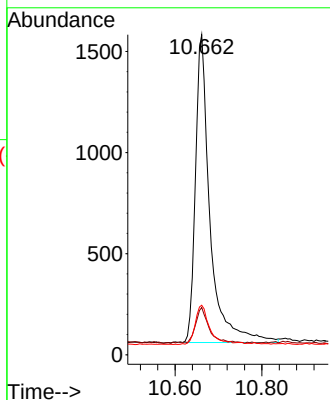
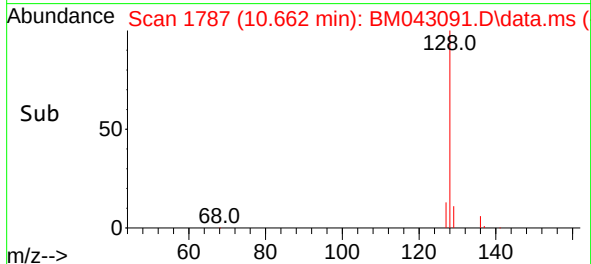
Instrument :
BNA_M
ClientSampleId :
C0AB7



Tgt Ion:128 Resp: 3550
Ion Ratio Lower Upper
128 100
129 14.8 16.0 24.0
127 15.5 16.5 24.7

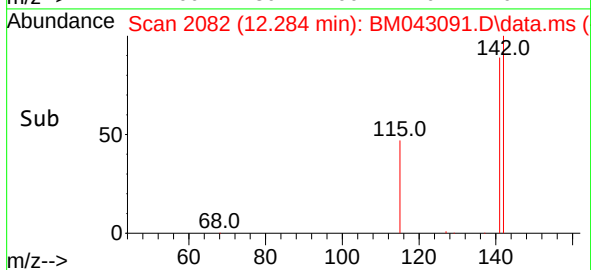
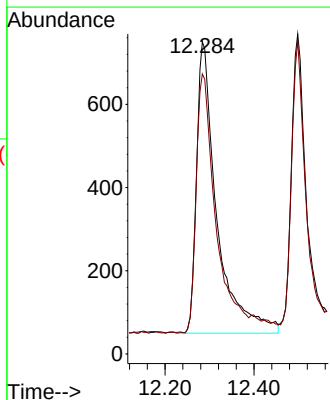
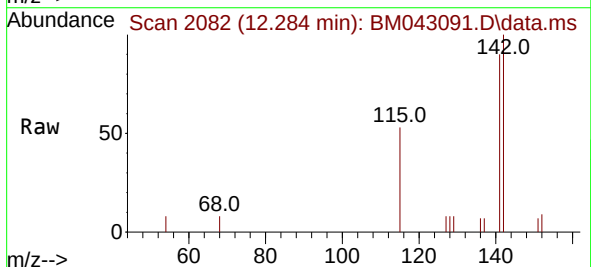
Manual Integrations
APPROVED

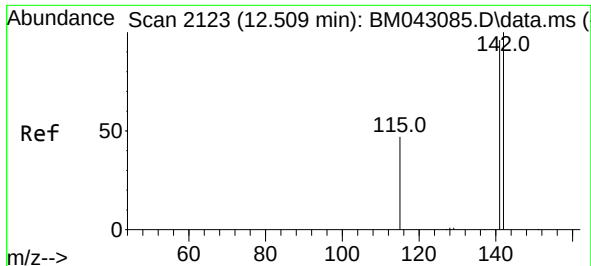
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.543 ng/ul
RT: 12.284 min Scan# 2082
Delta R.T. -0.027 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

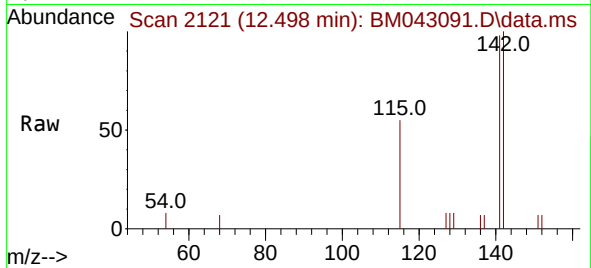
Tgt Ion:142 Resp: 2216
Ion Ratio Lower Upper
142 100
141 90.7 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.353 ng/ul
RT: 12.498 min Scan# 2121
Delta R.T. -0.011 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

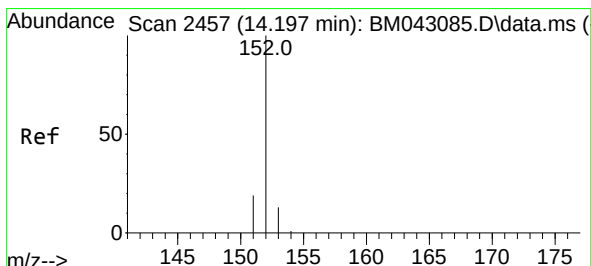
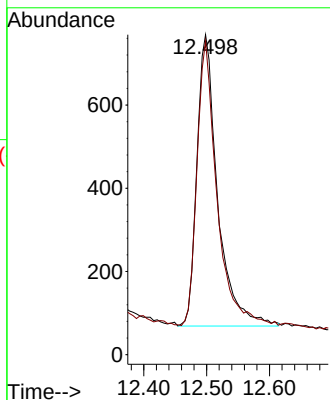
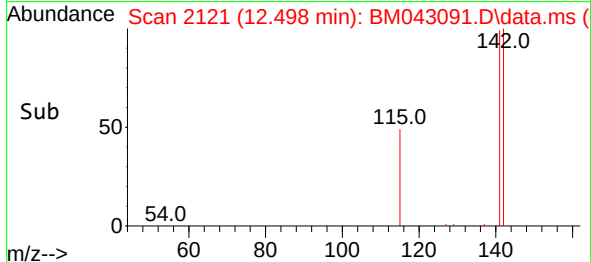
Instrument :
BNA_M
ClientSampleId :
C0AB7



Tgt Ion:142 Resp: 1600
Ion Ratio Lower Upper
142 100
141 94.0 73.8 110.8

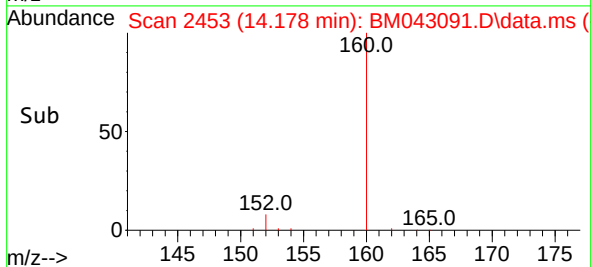
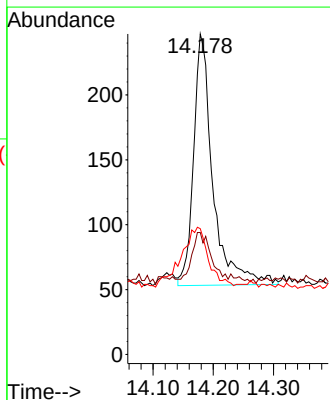
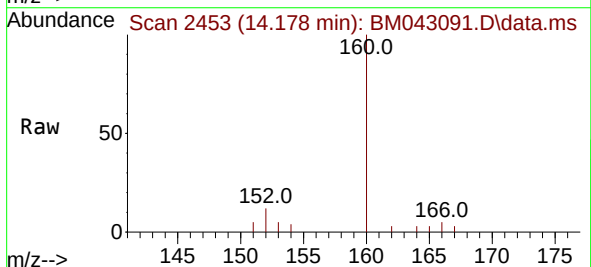
Manual Integrations
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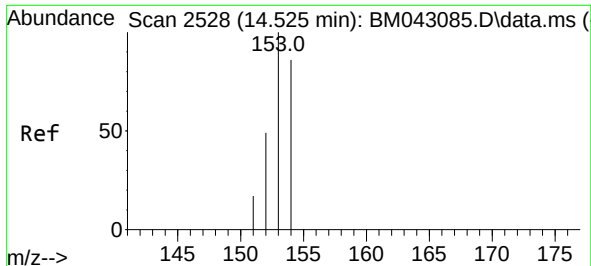
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.060 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.018 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

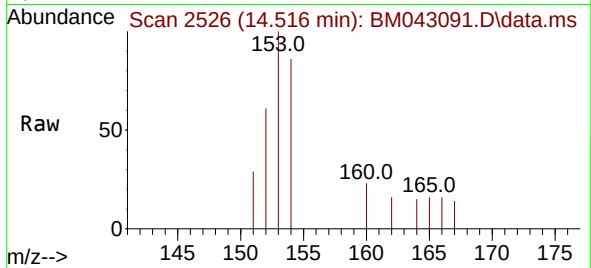
Tgt Ion:152 Resp: 432
Ion Ratio Lower Upper
152 100
151 38.1 19.4 29.0#
153 39.3 14.6 21.8#





#11
Acenaphthene
Concen: 0.126 ng/ul
RT: 14.516 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

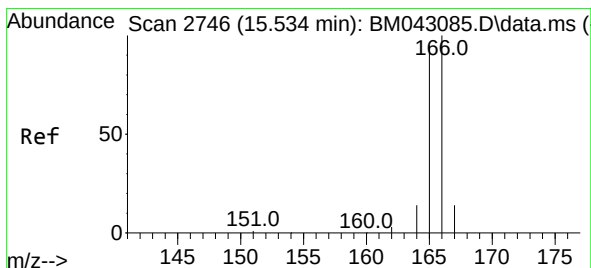
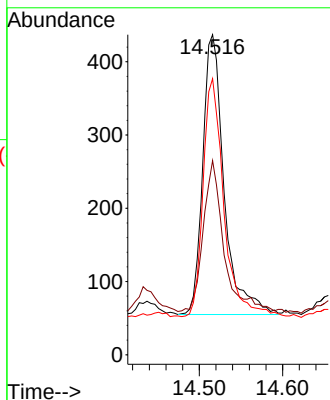
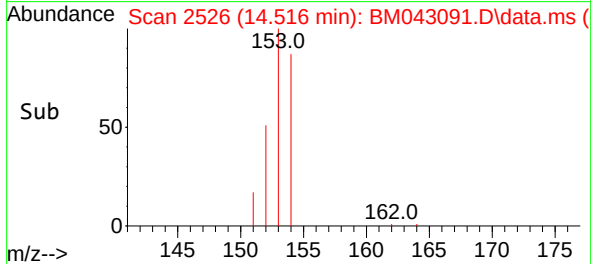
Instrument :
BNA_M
ClientSampleId :
C0AB7



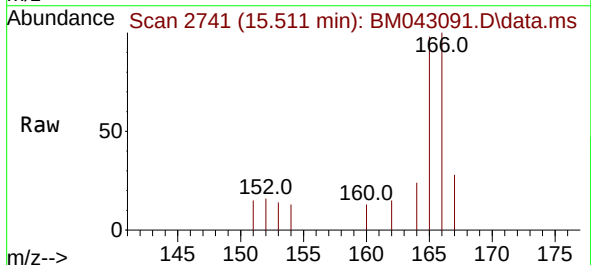
Tgt Ion:153 Resp: 682
Ion Ratio Lower Upper
153 100
152 60.6 43.9 65.9
154 86.3 70.6 105.8

Manual Integrations
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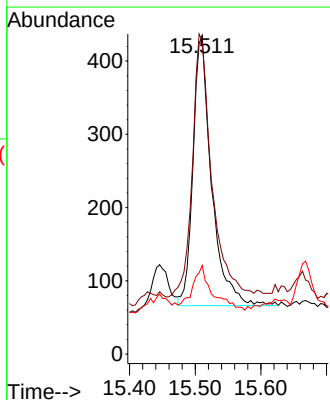
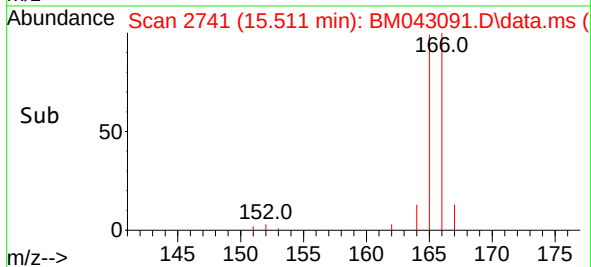
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

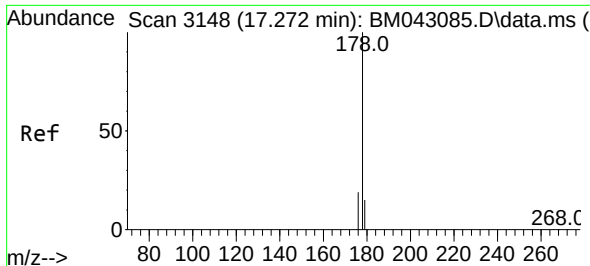


#12
Fluorene
Concen: 0.130 ng/ul
RT: 15.511 min Scan# 2741
Delta R.T. -0.023 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



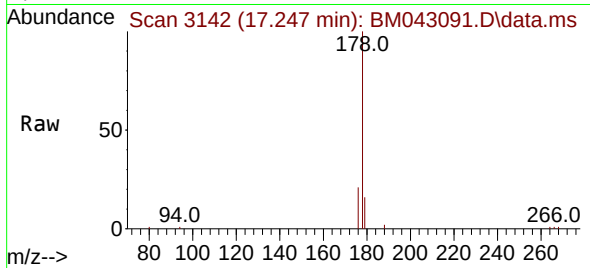
Tgt Ion:166 Resp: 724
Ion Ratio Lower Upper
166 100
165 98.2 79.9 119.9
167 27.8 14.2 21.4#





#15
Phenanthrene
Concen: 1.681 ng/u1
RT: 17.247 min Scan# 3142
Delta R.T. -0.025 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

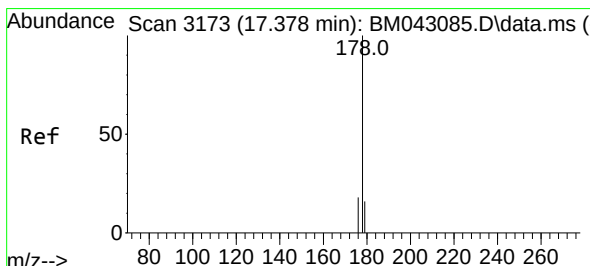
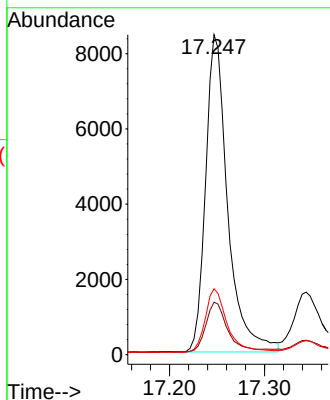
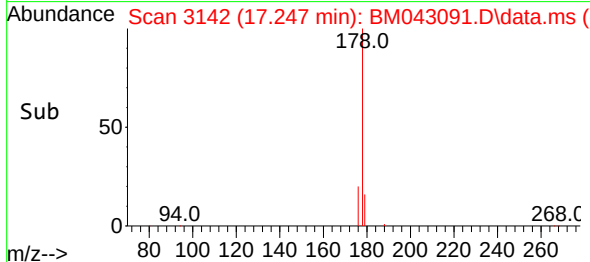
Instrument :
BNA_M
ClientSampleId :
C0AB7



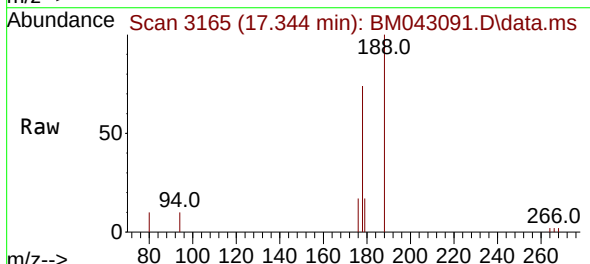
Tgt Ion:178 Resp: 13679
Ion Ratio Lower Upper
178 100
179 16.4 15.7 23.5
176 20.6 18.9 28.3

Manual Integrations
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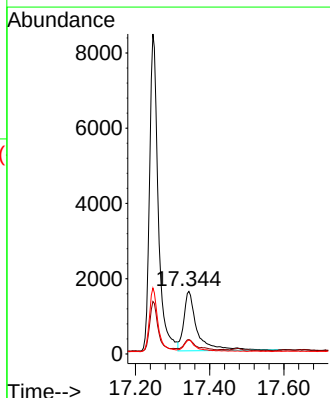
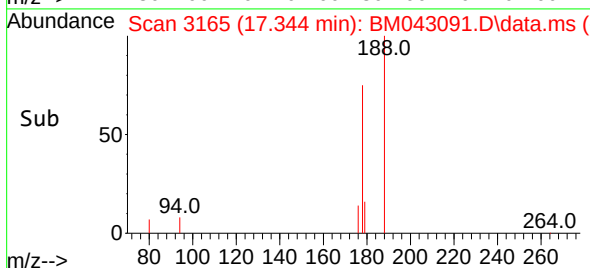
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

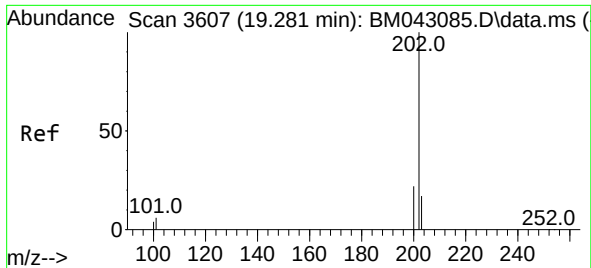


#16
Anthracene
Concen: 0.512 ng/u1
RT: 17.344 min Scan# 3165
Delta R.T. -0.034 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



Tgt Ion:178 Resp: 3950
Ion Ratio Lower Upper
178 100
179 22.9 17.3 25.9
176 22.3 20.5 30.7





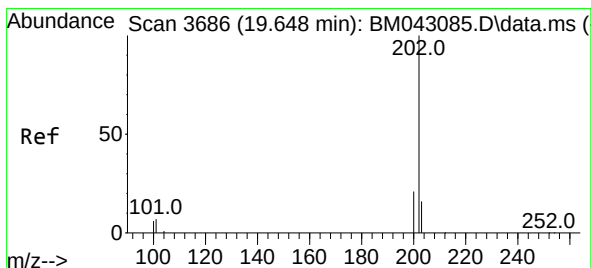
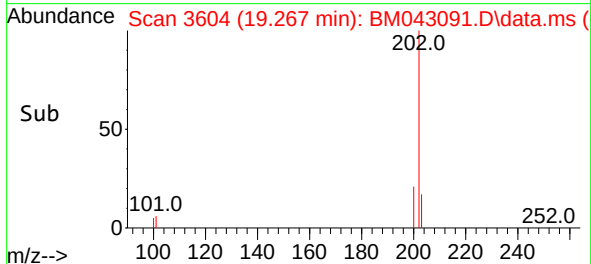
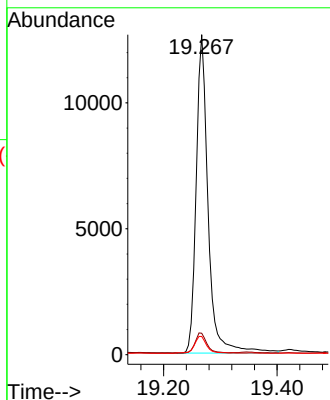
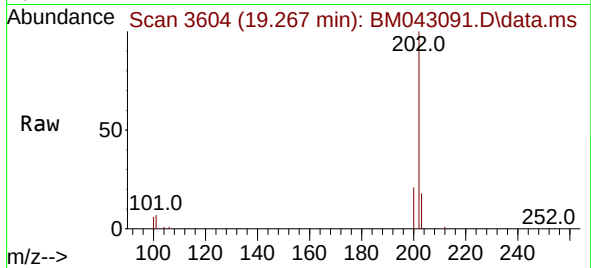
#19
Fluoranthene
Concen: 1.487 ng/ul
RT: 19.267 min Scan# 3604
Delta R.T. -0.014 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

Instrument :
BNA_M
ClientSampleId :
C0AB7

Tgt Ion:202 Resp: 1843
Ion Ratio Lower Upper
202 100
101 6.7 7.8 11.8#
100 5.7 7.1 10.7#

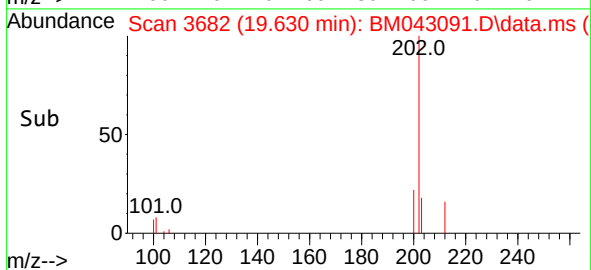
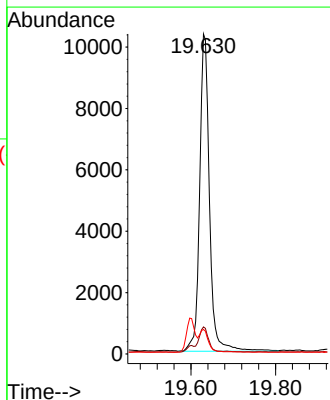
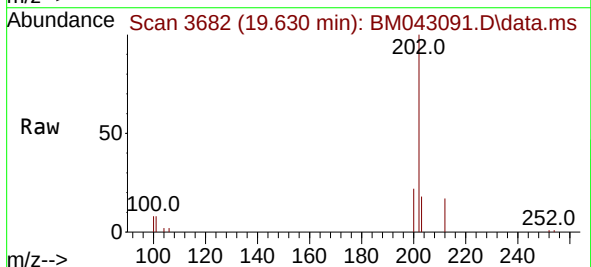
Manual Integrations
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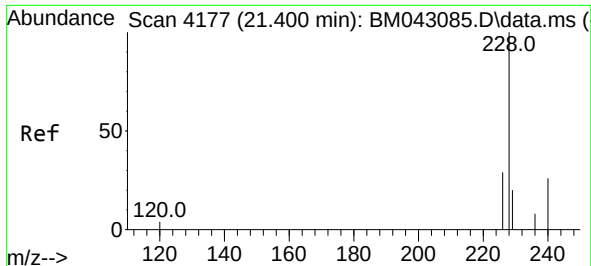
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 1.261 ng/ul
RT: 19.630 min Scan# 3682
Delta R.T. -0.018 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

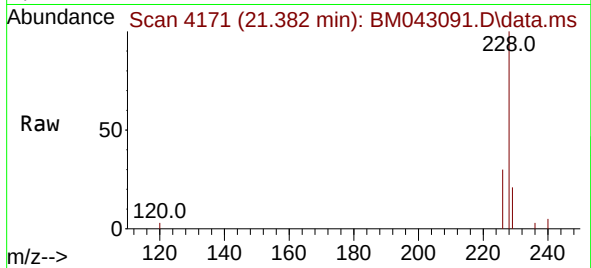
Tgt Ion:202 Resp: 16623
Ion Ratio Lower Upper
202 100
101 8.5 8.7 13.1#
100 7.6 7.8 11.8#





#21
Benzo(a)anthracene
Concen: 1.097 ng/ul
RT: 21.382 min Scan# 4177
Delta R.T. -0.017 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

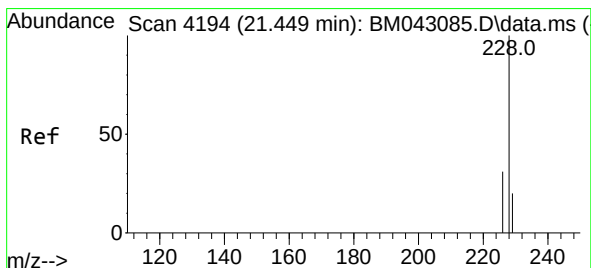
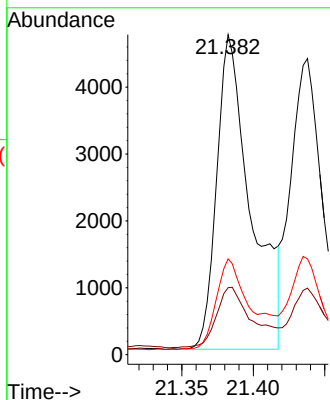
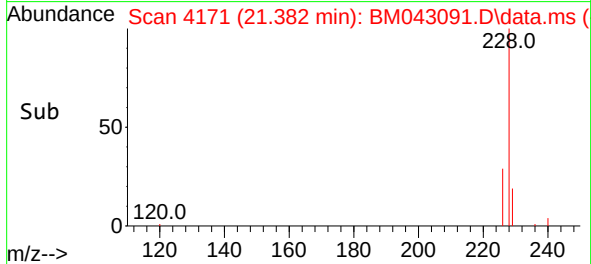
Instrument :
BNA_M
ClientSampleId :
C0AB7



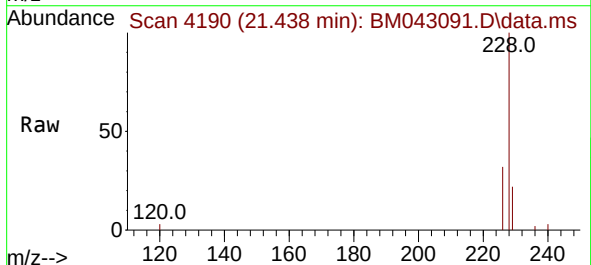
Tgt Ion:228 Resp: 7780
Ion Ratio Lower Upper
228 100
229 20.9 19.4 29.0
226 29.9 24.9 37.3

Manual Integrations
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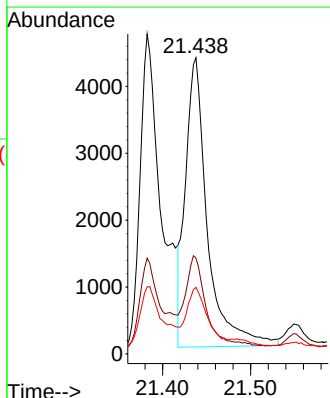
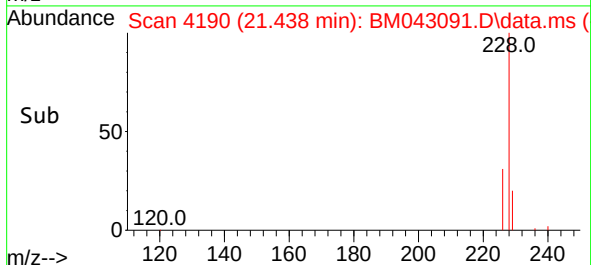
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

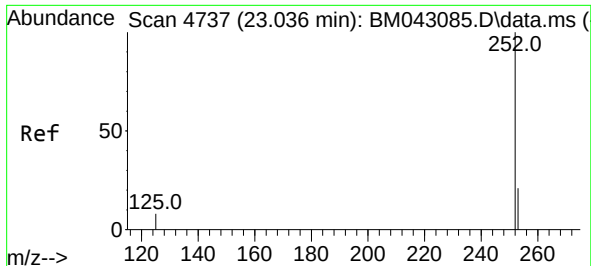


#22
Chrysene
Concen: 0.568 ng/ul
RT: 21.438 min Scan# 4190
Delta R.T. -0.012 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



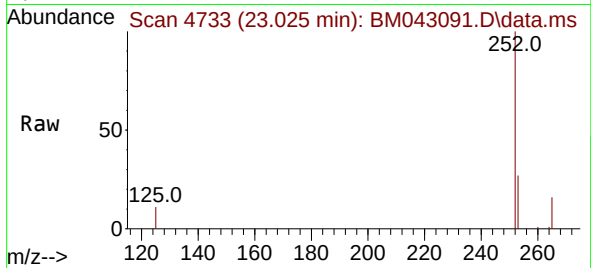
Tgt Ion:228 Resp: 7503
Ion Ratio Lower Upper
228 100
226 32.4 27.2 40.8
229 22.5 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 1.007 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.012 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

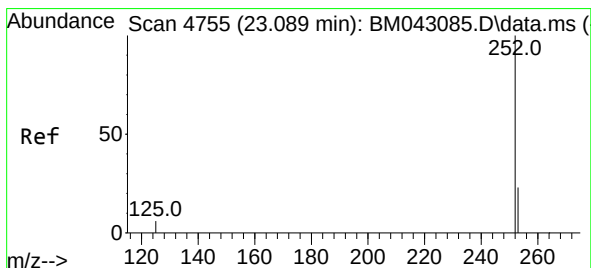
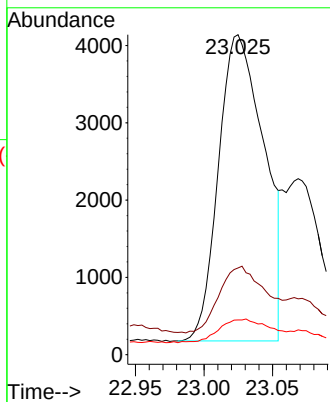
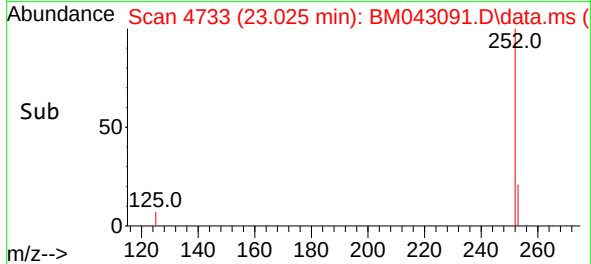
Instrument :
BNA_M
ClientSampleId :
C0AB7



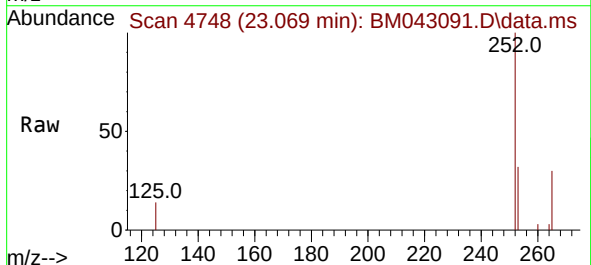
Tgt Ion:252 Resp: 916
Ion Ratio Lower Upper
252 100
253 27.1 0.0 71.8
125 10.9 0.0 29.0

Manual Integrations
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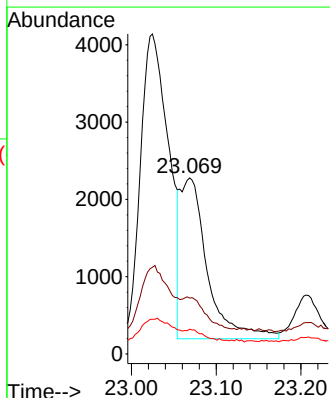
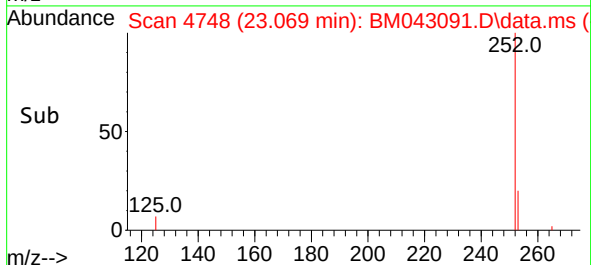
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

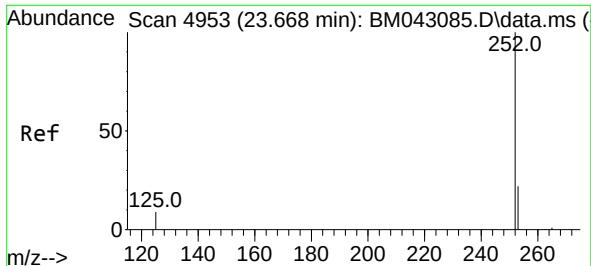


#25
Benzo(k)fluoranthene
Concen: 0.371 ng/ul m
RT: 23.069 min Scan# 4748
Delta R.T. -0.020 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



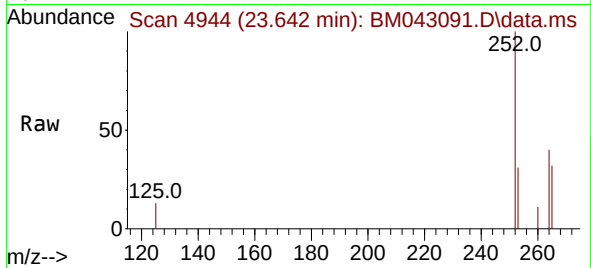
Tgt Ion:252 Resp: 4655
Ion Ratio Lower Upper
252 100
253 31.7 28.2 42.2
125 14.1 11.0 16.6





#26
Benzo(a)pyrene
Concen: 0.629 ng/ul
RT: 23.642 min Scan# 4953
Delta R.T. -0.026 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

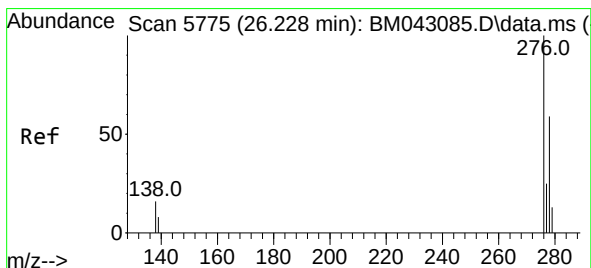
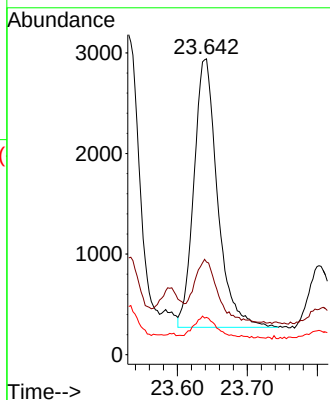
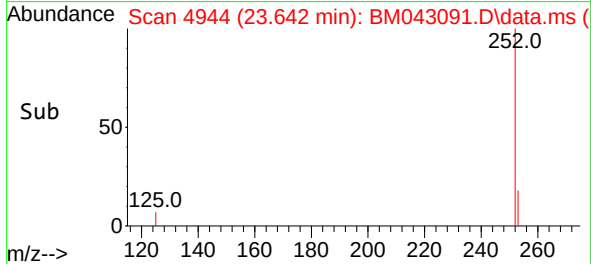
Instrument :
BNA_M
ClientSampleId :
C0AB7



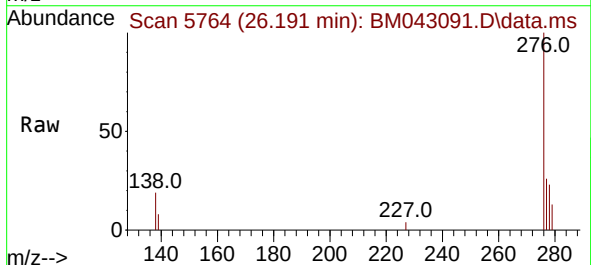
Tgt Ion:252 Resp: 6249
Ion Ratio Lower Upper
252 100
253 31.3 36.6 55.0#
125 12.6 16.2 24.4#

Manual Integrations
APPROVED

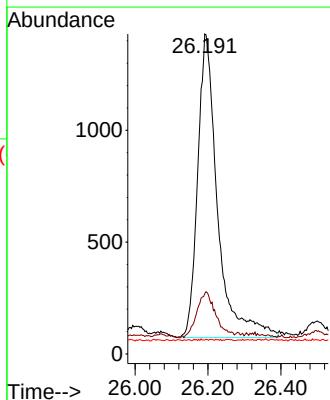
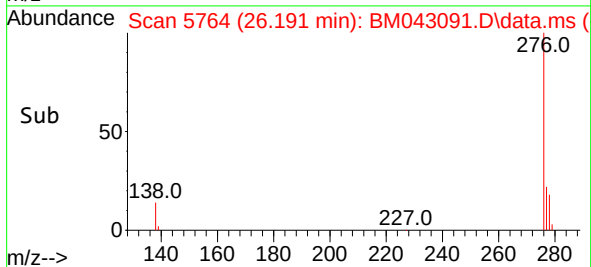
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

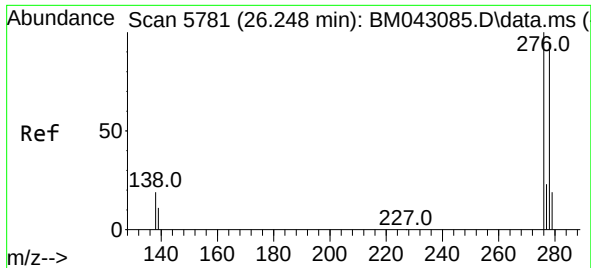


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng/ul
RT: 26.191 min Scan# 5764
Delta R.T. -0.037 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



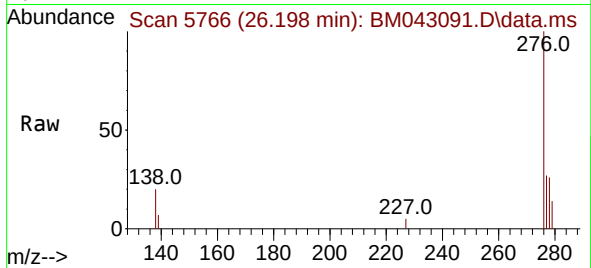
Tgt Ion:276 Resp: 5139
Ion Ratio Lower Upper
276 100
138 14.4 0.0 0.0#
227 0.0 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.126 ng/ul
RT: 26.198 min Scan# 51
Delta R.T. -0.050 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52

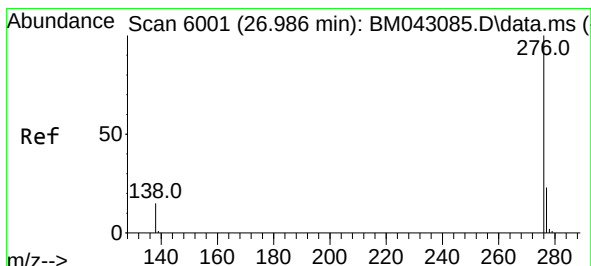
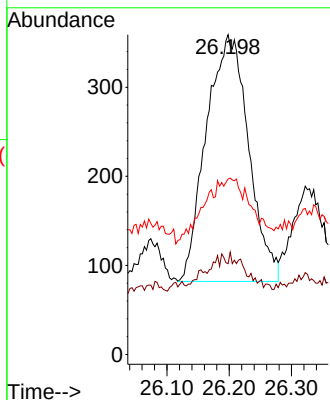
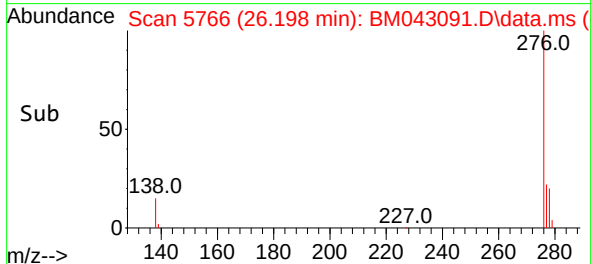
Instrument :
BNA_M
ClientSampleId :
C0AB7



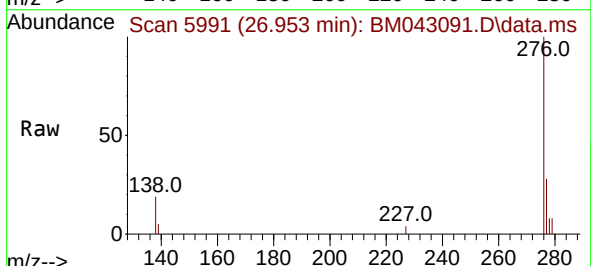
Tgt Ion:278 Resp: 1300
Ion Ratio Lower Upper
278 100
139 28.4 18.1 27.1
279 54.9 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#29
Benzo(g,h,i)perylene
Concen: 0.471 ng/ul
RT: 26.953 min Scan# 5991
Delta R.T. -0.033 min
Lab File: BM043091.D
Acq: 30 Nov 2023 18:52



Tgt Ion:276 Resp: 6166
Ion Ratio Lower Upper
276 100
138 18.6 17.8 26.8
277 28.2 23.8 35.8

