

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043098.D
 Acq On : 30 Nov 2023 23:05
 Operator : MA/JU
 Sample : 05459-20
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 00:45:00 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	7.800	152	1145	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.606	136	3540	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.451	164	1981m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	3963	0.400	ng/ul	-0.03
17) Chrysene-d12	21.397	240	3101	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	3503m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	2725	1.551	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	1015	0.214	ng/ul	-0.03
18) Fluoranthene-d10	19.234	212	2249	0.199	ng/ul	-0.01
Target Compounds				Qvalue		
5) Naphthalene	10.650	128	5630	0.585	ng/ul#	86
7) 2-Methylnaphthalene	12.278	142	1706	0.301	ng/ul	96
8) 1-Methylnaphthalene	12.493	142	1807	0.286	ng/ul	99
10) Acenaphthylene	14.178	152	1380	0.136	ng/ul	96
11) Acenaphthene	14.516	153	304	0.040	ng/ul#	90
12) Fluorene	15.501	166	556	0.071	ng/ul#	94
15) Phenanthrene	17.247	178	14845	1.313	ng/ul	93
16) Anthracene	17.340	178	3703	0.346	ng/ul	94
19) Fluoranthene	19.262	202	45618	2.595	ng/ul#	93
20) Pyrene	19.629	202	41638	2.227	ng/ul#	94
21) Benzo(a)anthracene	21.379	228	24442	2.429	ng/ul	96
22) Chrysene	21.432	228	20318	1.084	ng/ul	98
24) Benzo(b)fluoranthene	23.019	252	29740	2.516	ng/ul	83
25) Benzo(k)fluoranthene	23.063	252	11254m	0.691	ng/ul	
26) Benzo(a)pyrene	23.633	252	20129	1.560	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	26.184	276	16865	0.966	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.191	278	3519	0.261	ng/ul#	94
29) Benzo(g,h,i)perylene	26.949	276	12515	0.737	ng/ul#	93

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

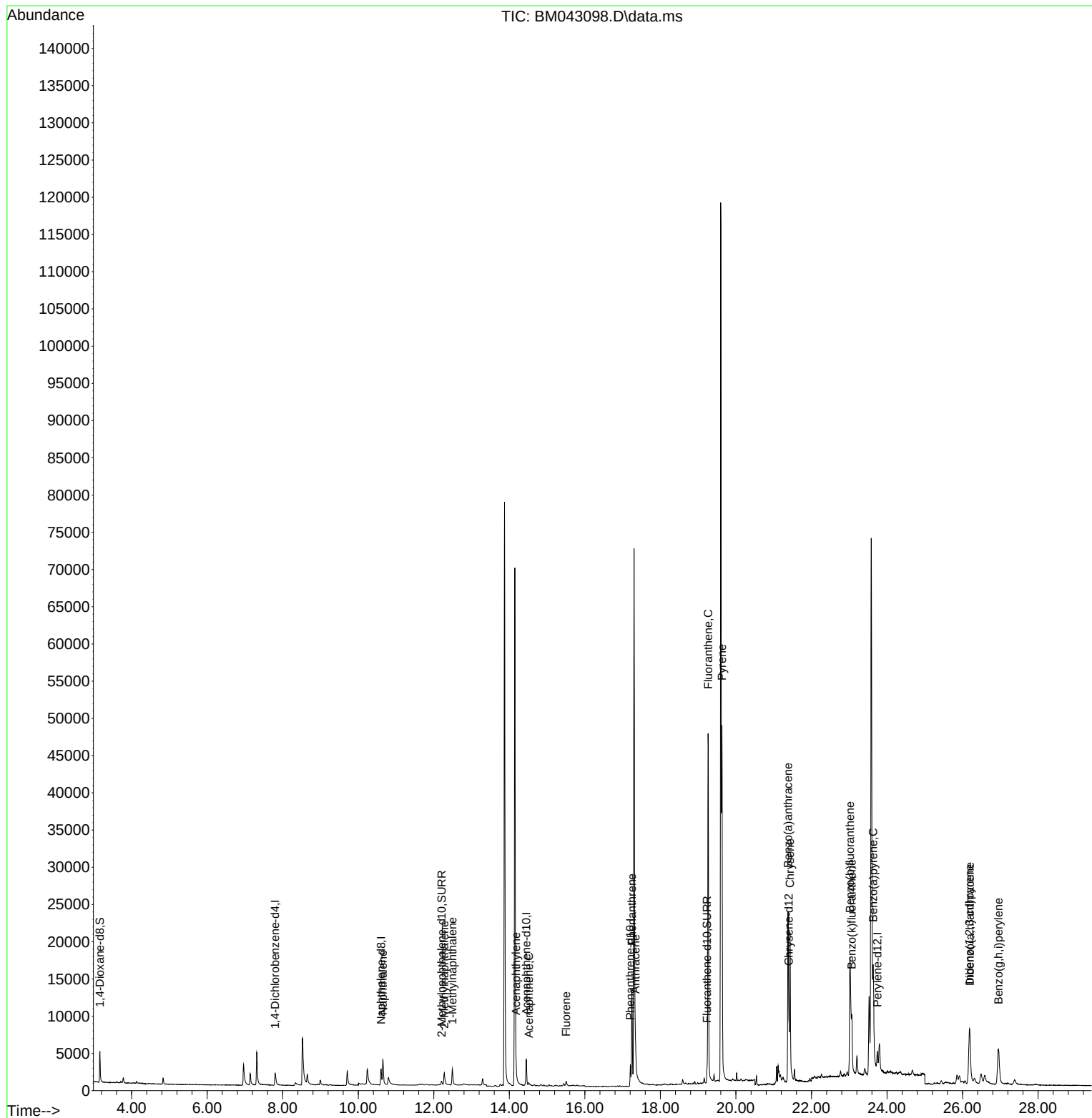
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043098.D
Acq On : 30 Nov 2023 23:05
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ALS Vial : 50 Sample Multiplier: 1

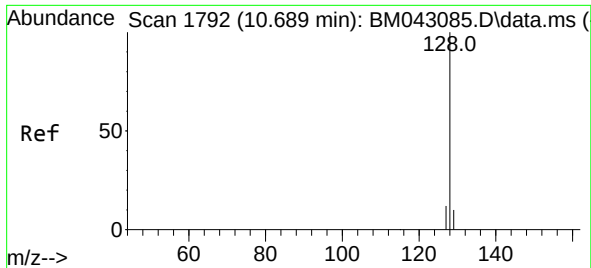
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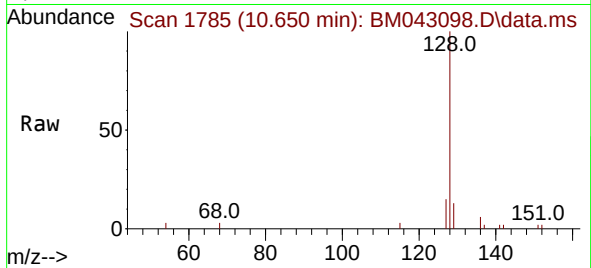
Quant Time: Dec 01 00:45:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.585 ng/ul
RT: 10.650 min Scan# 1792
Delta R.T. -0.039 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

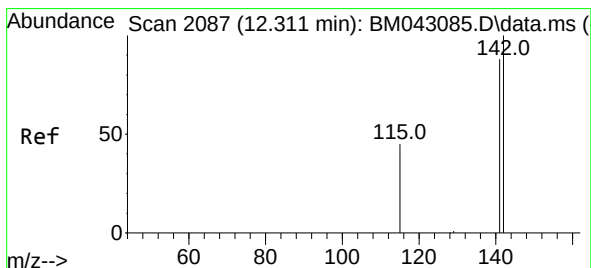
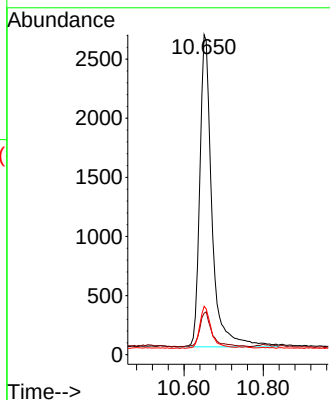
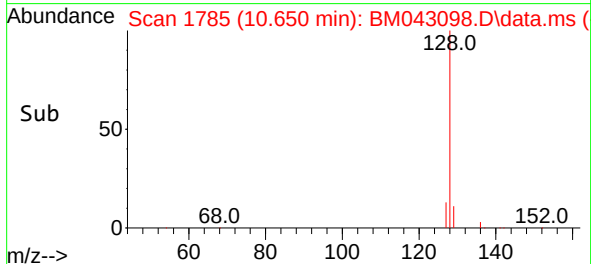
Instrument :
BNA_M
ClientSampleId :
C0AA8



Tgt Ion:128 Resp: 5630
Ion Ratio Lower Upper
128 100
129 13.0 16.0 24.0
127 15.1 16.5 24.7

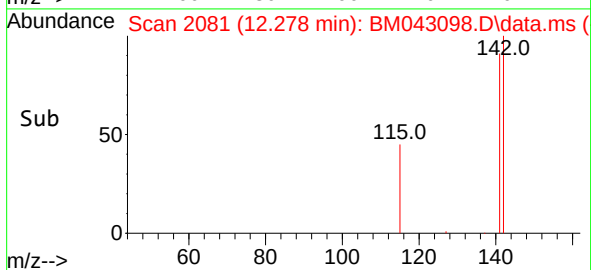
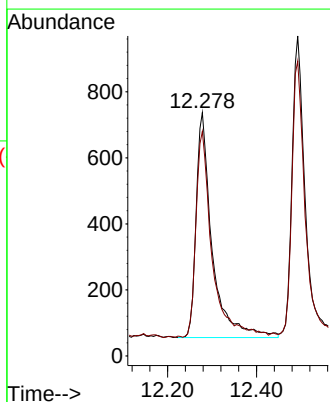
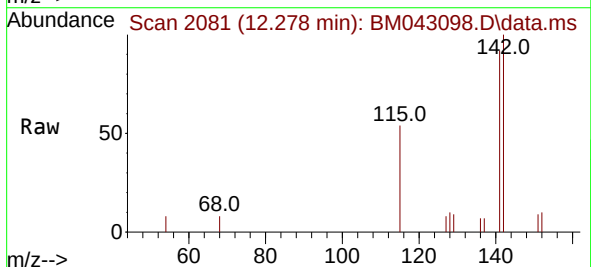
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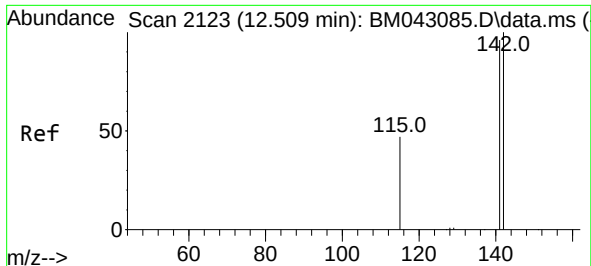
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.301 ng/ul
RT: 12.278 min Scan# 2081
Delta R.T. -0.033 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

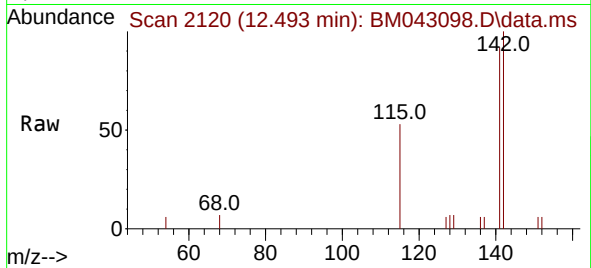
Tgt Ion:142 Resp: 1706
Ion Ratio Lower Upper
142 100
141 91.6 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.286 ng/ul
RT: 12.493 min Scan# 2123
Delta R.T. -0.017 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

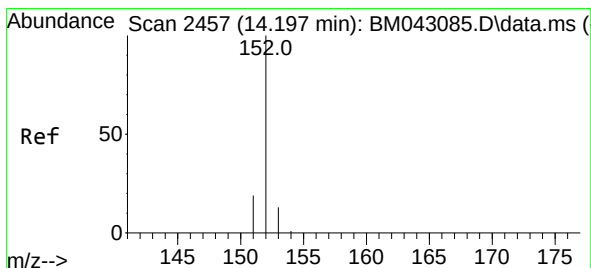
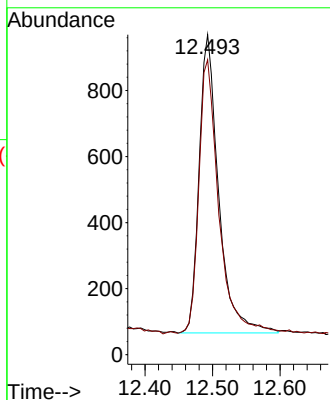
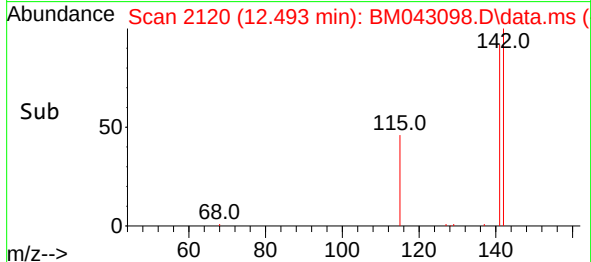
Instrument :
BNA_M
ClientSampleId :
C0AA8



Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
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141 93.6 73.8 110.8

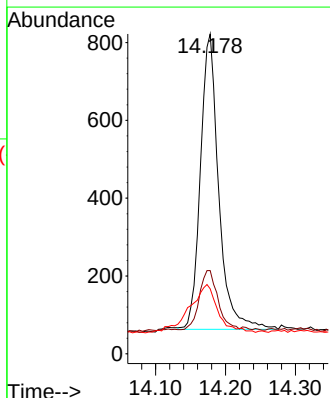
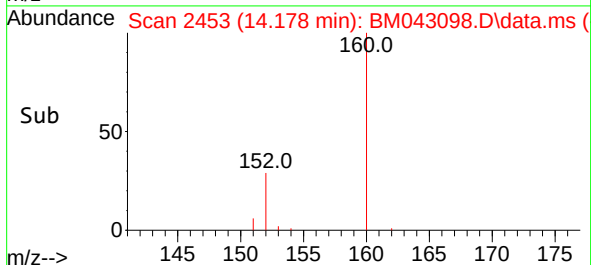
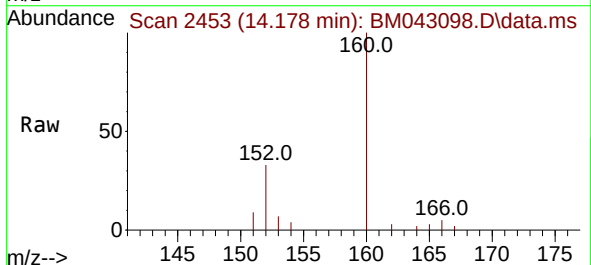
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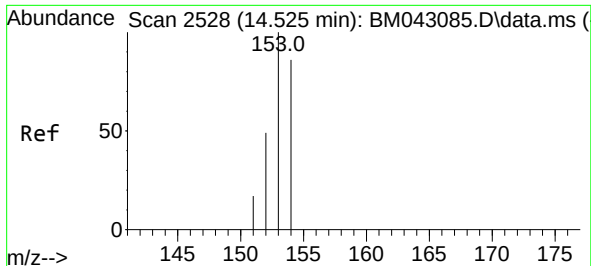
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.136 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.018 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

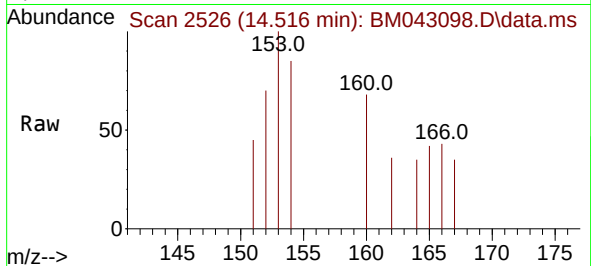
Tgt Ion:152 Resp: 1380
Ion Ratio Lower Upper
152 100
151 26.0 19.4 29.0
153 20.3 14.6 21.8





#11
Acenaphthene
Concen: 0.040 ng/ul
RT: 14.516 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

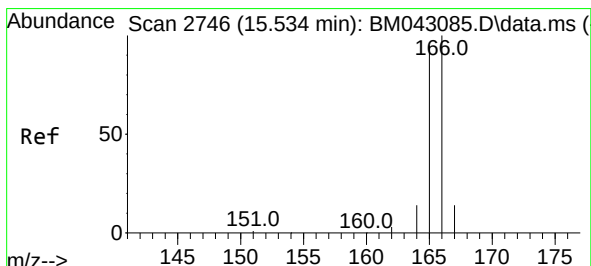
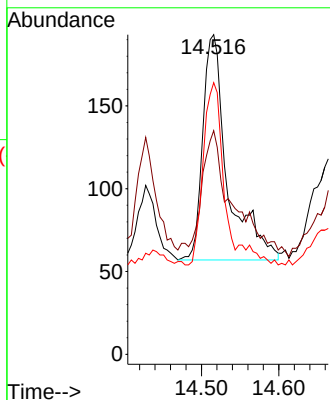
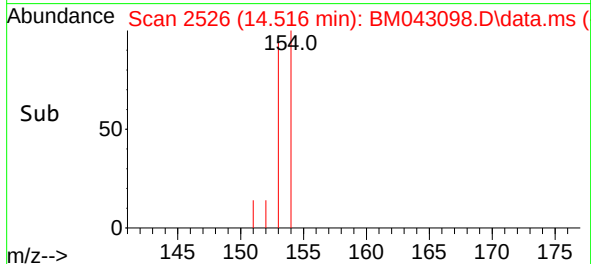
Instrument :
BNA_M
ClientSampleId :
C0AA8



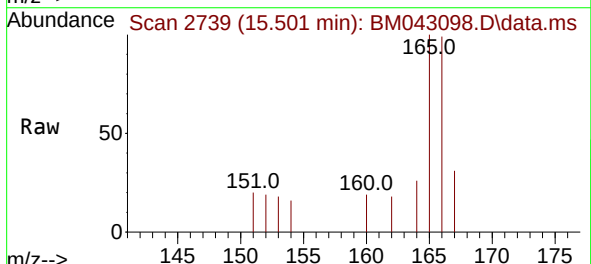
Tgt Ion:153 Resp: 304
Ion Ratio Lower Upper
153 100
152 69.9 43.9 65.9
154 85.0 70.6 105.8

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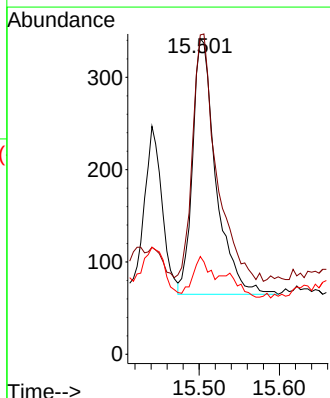
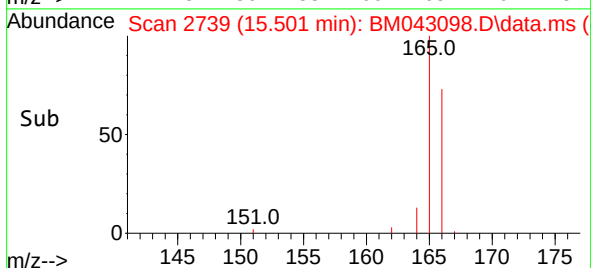
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

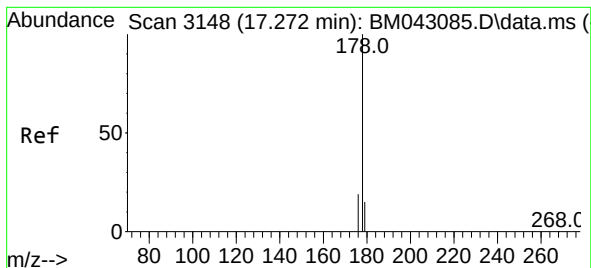


#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.501 min Scan# 2739
Delta R.T. -0.032 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05



Tgt Ion:166 Resp: 556
Ion Ratio Lower Upper
166 100
165 101.2 79.9 119.9
167 31.0 14.2 21.4#





#15

Phenanthrene

Concen: 1.313 ng/ul

RT: 17.247 min Scan# 3142

Delta R.T. -0.025 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

Instrument :

BNA_M

ClientSampleId :

C0AA8

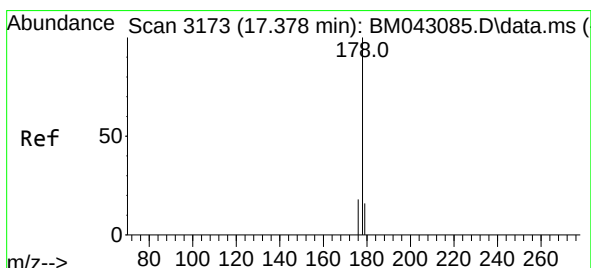
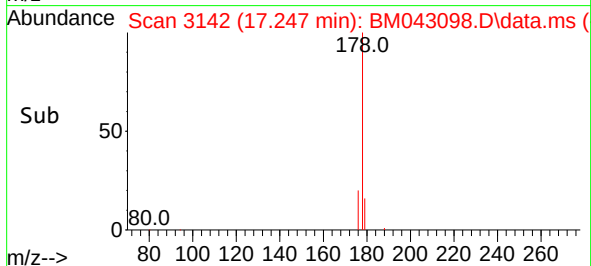
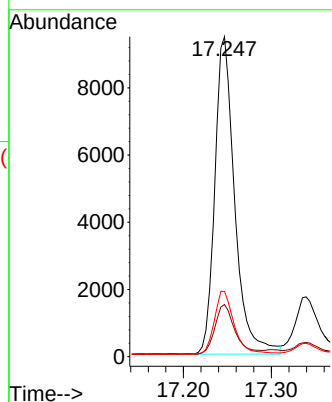
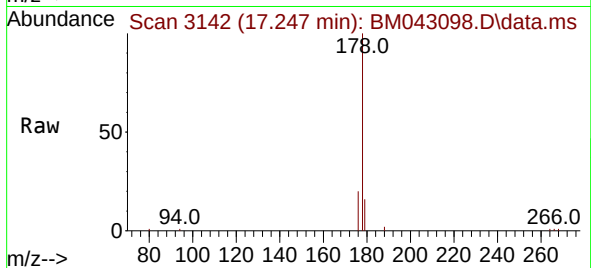
Tgt Ion:	178	Resp:	1484
Ion Ratio	Lower	Upper	
178	100		
179	16.3	15.7	23.5
176	20.4	18.9	28.3

Manual Integrations

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Supervised By :mohammad ahmed 12/04/2023



#16

Anthracene

Concen: 0.346 ng/ul

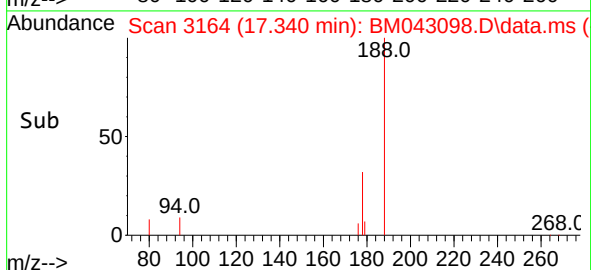
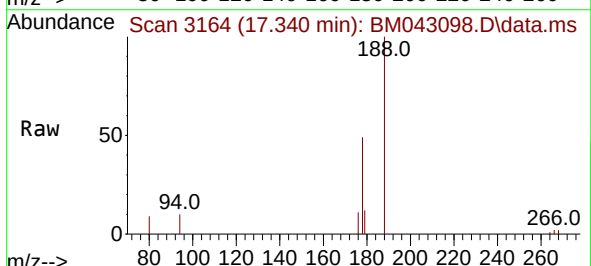
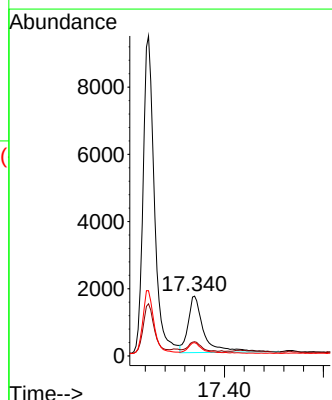
RT: 17.340 min Scan# 3164

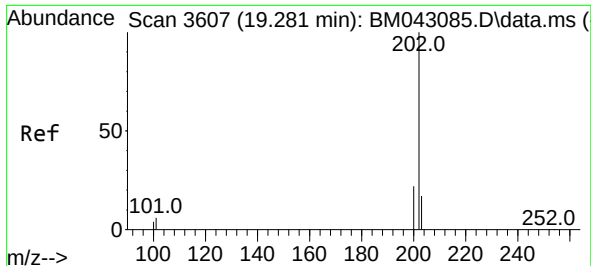
Delta R.T. -0.038 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

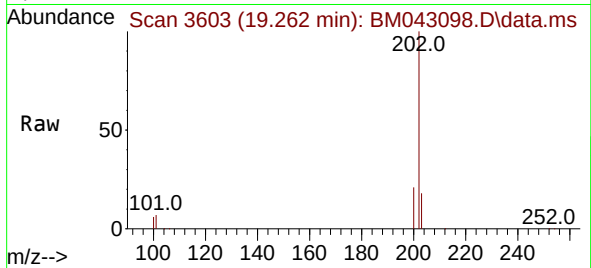
Tgt Ion:	178	Resp:	3703
Ion Ratio	Lower	Upper	
178	100		
179	23.9	17.3	25.9
176	22.3	20.5	30.7





#19
Fluoranthene
Concen: 2.595 ng/u1
RT: 19.262 min Scan# 3603
Delta R.T. -0.019 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

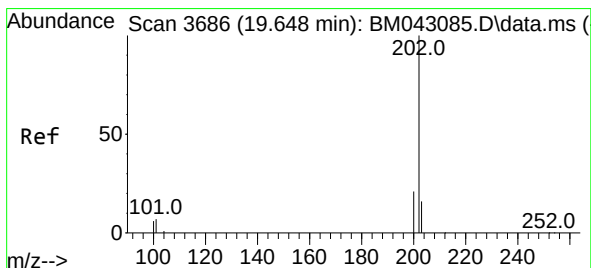
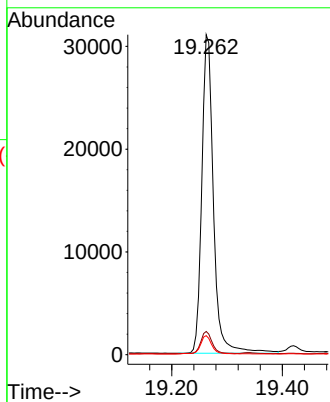
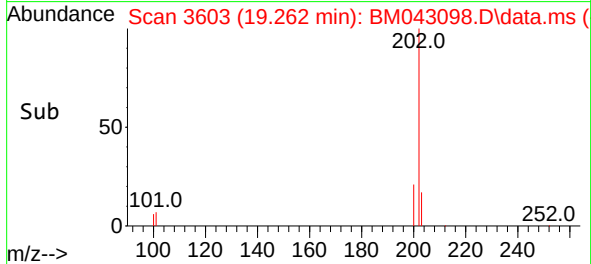
Instrument :
BNA_M
ClientSampleId :
C0AA8



Tgt Ion:202 Resp: 45618
Ion Ratio Lower Upper
202 100
101 7.3 7.8 11.8#
100 6.0 7.1 10.7#

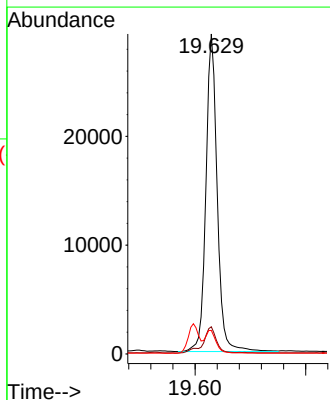
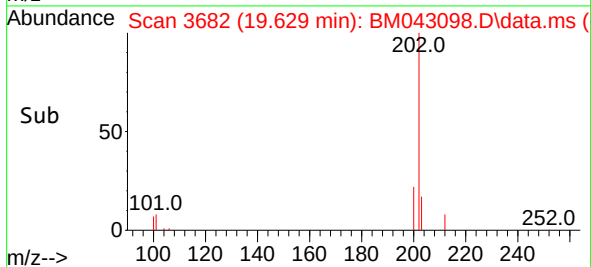
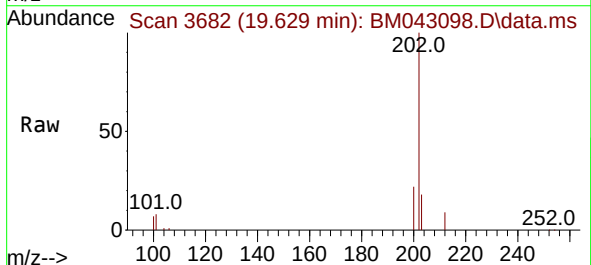
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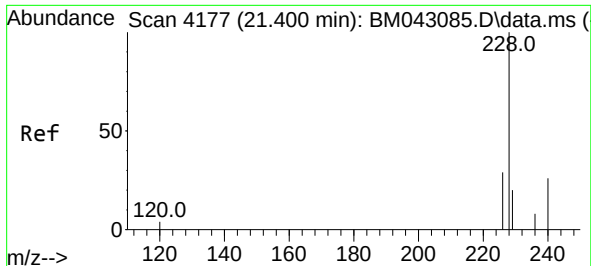
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 2.227 ng/u1
RT: 19.629 min Scan# 3682
Delta R.T. -0.019 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

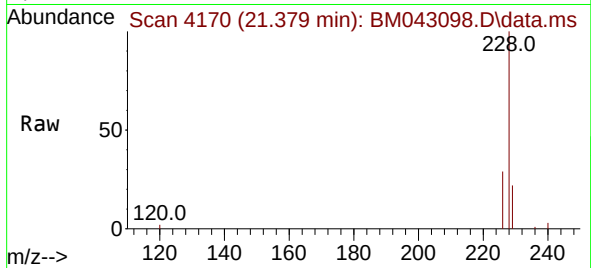
Tgt Ion:202 Resp: 41638
Ion Ratio Lower Upper
202 100
101 8.5 8.7 13.1#
100 7.4 7.8 11.8#





#21
Benzo(a)anthracene
Concen: 2.429 ng/ul
RT: 21.379 min Scan# 4177
Delta R.T. -0.020 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

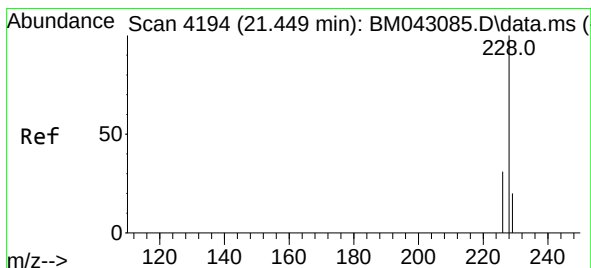
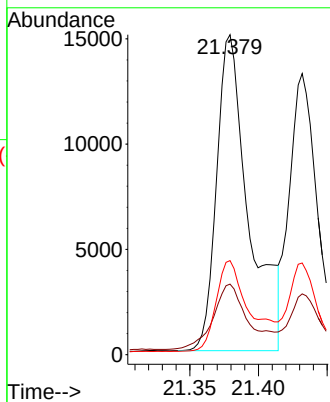
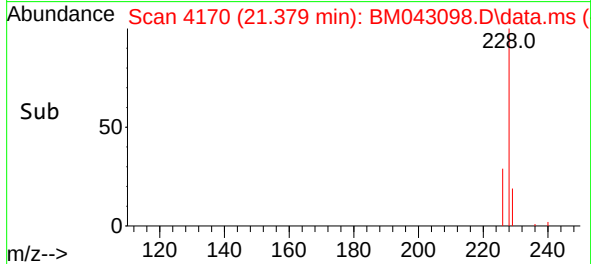
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ClientSampleId :
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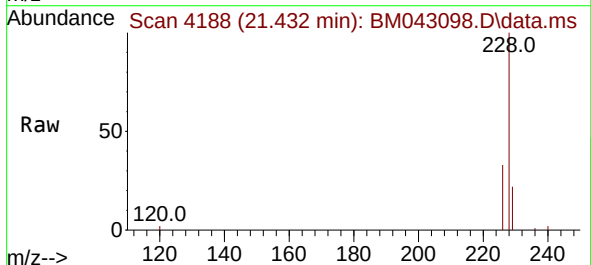
Tgt Ion:228 Resp: 2444
Ion Ratio Lower Upper
228 100
229 22.1 19.4 29.0
226 29.4 24.9 37.3

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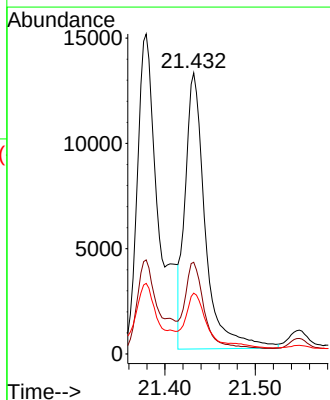
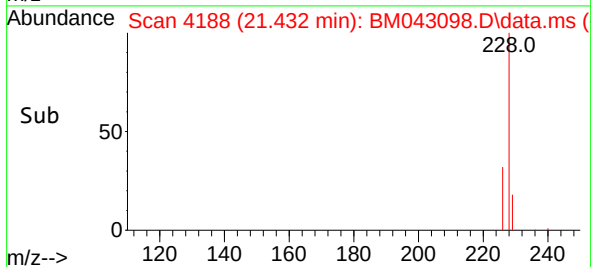
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

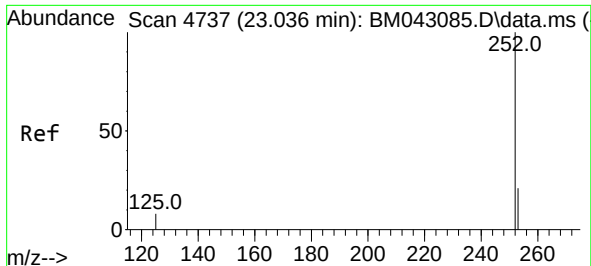


#22
Chrysene
Concen: 1.084 ng/ul
RT: 21.432 min Scan# 4188
Delta R.T. -0.018 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05



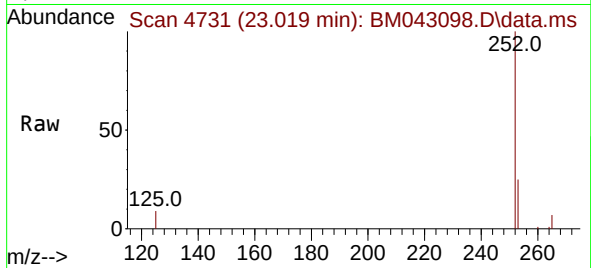
Tgt Ion:228 Resp: 20318
Ion Ratio Lower Upper
228 100
226 32.6 27.2 40.8
229 21.6 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 2.516 ng/ul
RT: 23.019 min Scan# 4731
Delta R.T. -0.018 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

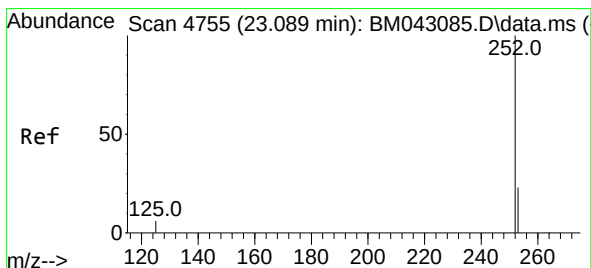
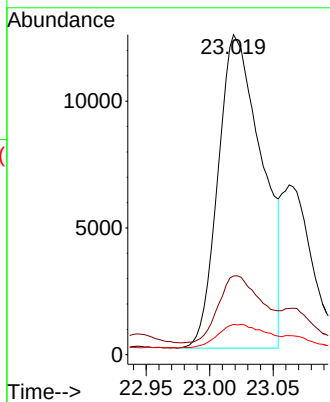
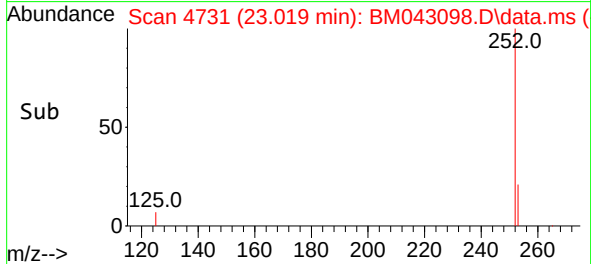
Instrument :
BNA_M
ClientSampleId :
C0AA8



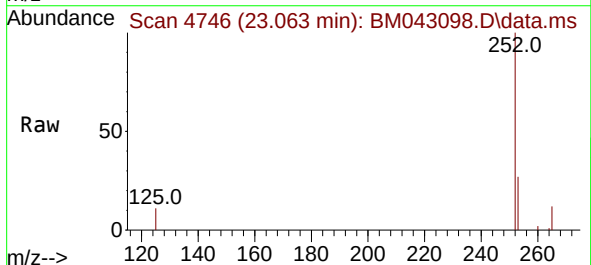
Tgt Ion:252 Resp: 29740
Ion Ratio Lower Upper
252 100
253 24.6 0.0 71.8
125 9.4 0.0 29.0

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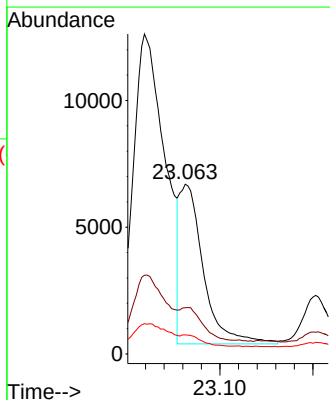
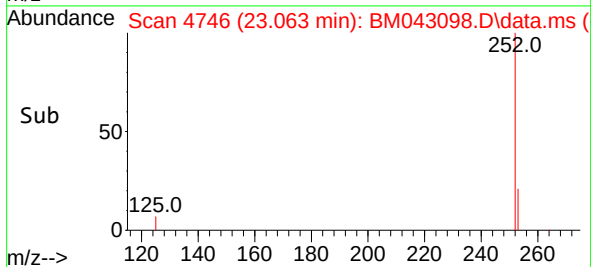
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

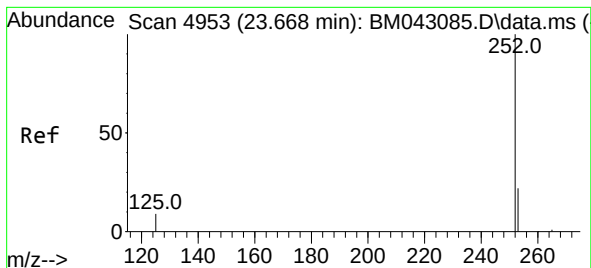


#25
Benzo(k)fluoranthene
Concen: 0.691 ng/ul m
RT: 23.063 min Scan# 4746
Delta R.T. -0.026 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05



Tgt Ion:252 Resp: 11254
Ion Ratio Lower Upper
252 100
253 27.2 28.2 42.2#
125 11.2 11.0 16.6





#26

Benzo(a)pyrene

Concen: 1.560 ng/ul

RT: 23.633 min Scan# 4953

Delta R.T. -0.035 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

Instrument :

BNM_M

ClientSampleId :

C0AA8

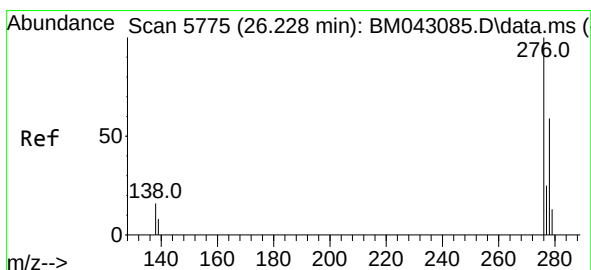
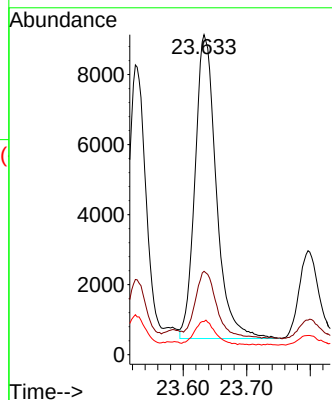
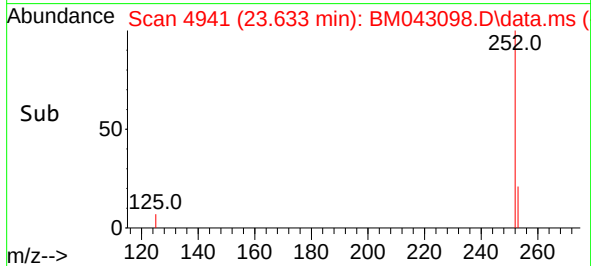
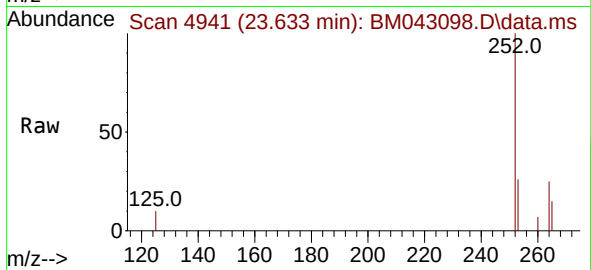
Tgt Ion:	252	Resp:	20129
Ion Ratio	Lower	Upper	
252	100		
253	26.0	36.6	55.0#
125	10.4	16.2	24.4#

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: 0.966 ng/ul

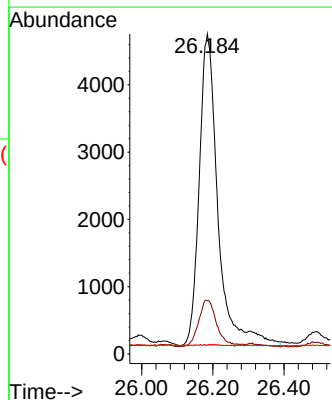
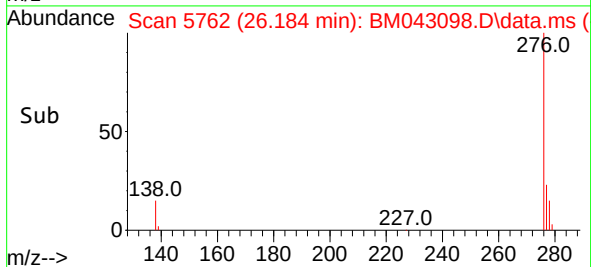
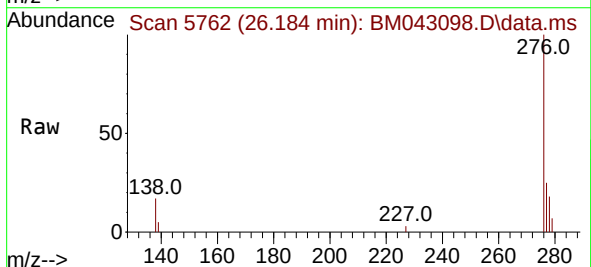
RT: 26.184 min Scan# 5762

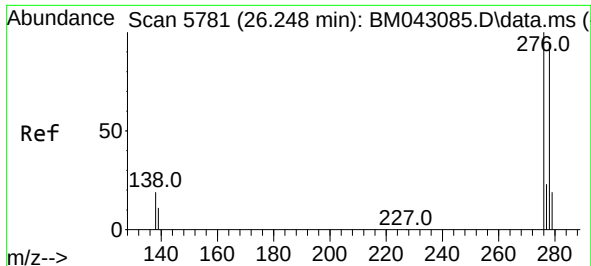
Delta R.T. -0.044 min

Lab File: BM043098.D

Acq: 30 Nov 2023 23:05

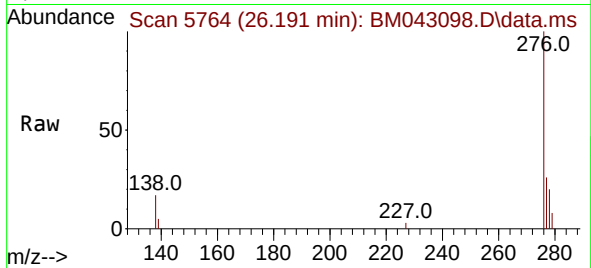
Tgt Ion:	276	Resp:	16865
Ion Ratio	Lower	Upper	
276	100		
138	14.8	0.0	0.0#
227	0.0	0.2	0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.261 ng/ul
RT: 26.191 min Scan# 519
Delta R.T. -0.057 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05

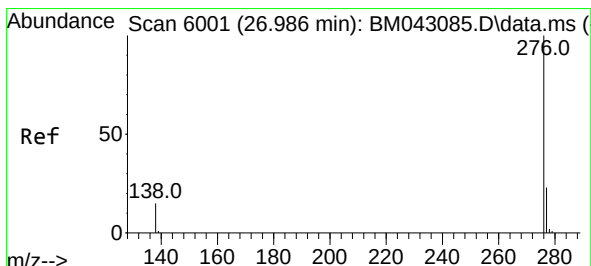
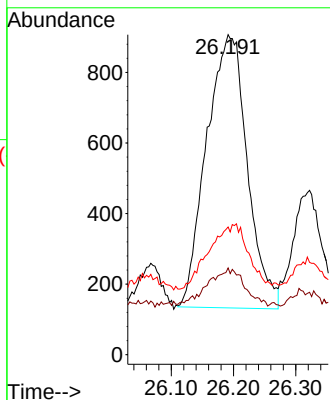
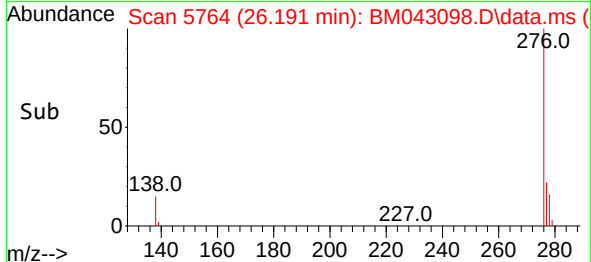
Instrument :
BNA_M
ClientSampleId :
C0AA8



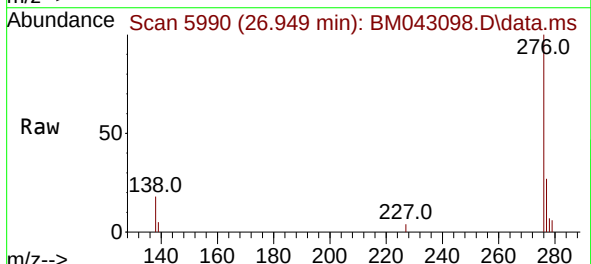
Tgt Ion:278 Resp: 3519
Ion Ratio Lower Upper
278 100
139 27.1 18.1 27.1
279 39.9 34.4 51.6

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.737 ng/ul
RT: 26.949 min Scan# 5990
Delta R.T. -0.037 min
Lab File: BM043098.D
Acq: 30 Nov 2023 23:05



Tgt Ion:276 Resp: 12515
Ion Ratio Lower Upper
276 100
138 17.6 17.8 26.8#
277 27.2 23.8 35.8

