

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAK0

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 23:18:14 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	7.796	152	1200m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.600	136	3253	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1847m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.203	188	3519m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.394	240	2498m	0.400	ng/ul	-0.02
23) Perylene-d12	23.736	264	3357m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	3265	1.773	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.194	152	1167	0.268	ng/ul	-0.04
18) Fluoranthene-d10	19.233	212	2459	0.270	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.649	128	5214	0.590	ng/ul#	86
7) 2-Methylnaphthalene	12.266	142	5953	1.142	ng/ul	96
8) 1-Methylnaphthalene	12.486	142	4449	0.765	ng/ul	98
10) Acenaphthylene	14.172	152	1323	0.140	ng/ul#	85
11) Acenaphthene	14.510	153	1075	0.151	ng/ul	97
12) Fluorene	15.500	166	1064	0.145	ng/ul#	96
15) Phenanthrene	17.241	178	29216m	2.909	ng/ul	
16) Anthracene	17.334	178	6054	0.636	ng/ul	93
19) Fluoranthene	19.261	202	55779	3.939	ng/ul#	91
20) Pyrene	19.628	202	46326	3.076	ng/ul#	92
21) Benzo(a)anthracene	21.377	228	29945m	3.694	ng/ul	
22) Chrysene	21.429	228	22424	1.485	ng/ul	97
24) Benzo(b)fluoranthene	23.013	252	45743	4.038	ng/ul	81
25) Benzo(k)fluoranthene	23.057	252	19288m	1.236	ng/ul	
26) Benzo(a)pyrene	23.627	252	33877	2.740	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.172	276	31204	1.865	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.185	278	7023m	0.543	ng/ul	
29) Benzo(g,h,i)perylene	26.936	276	21995	1.351	ng/ul#	89

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

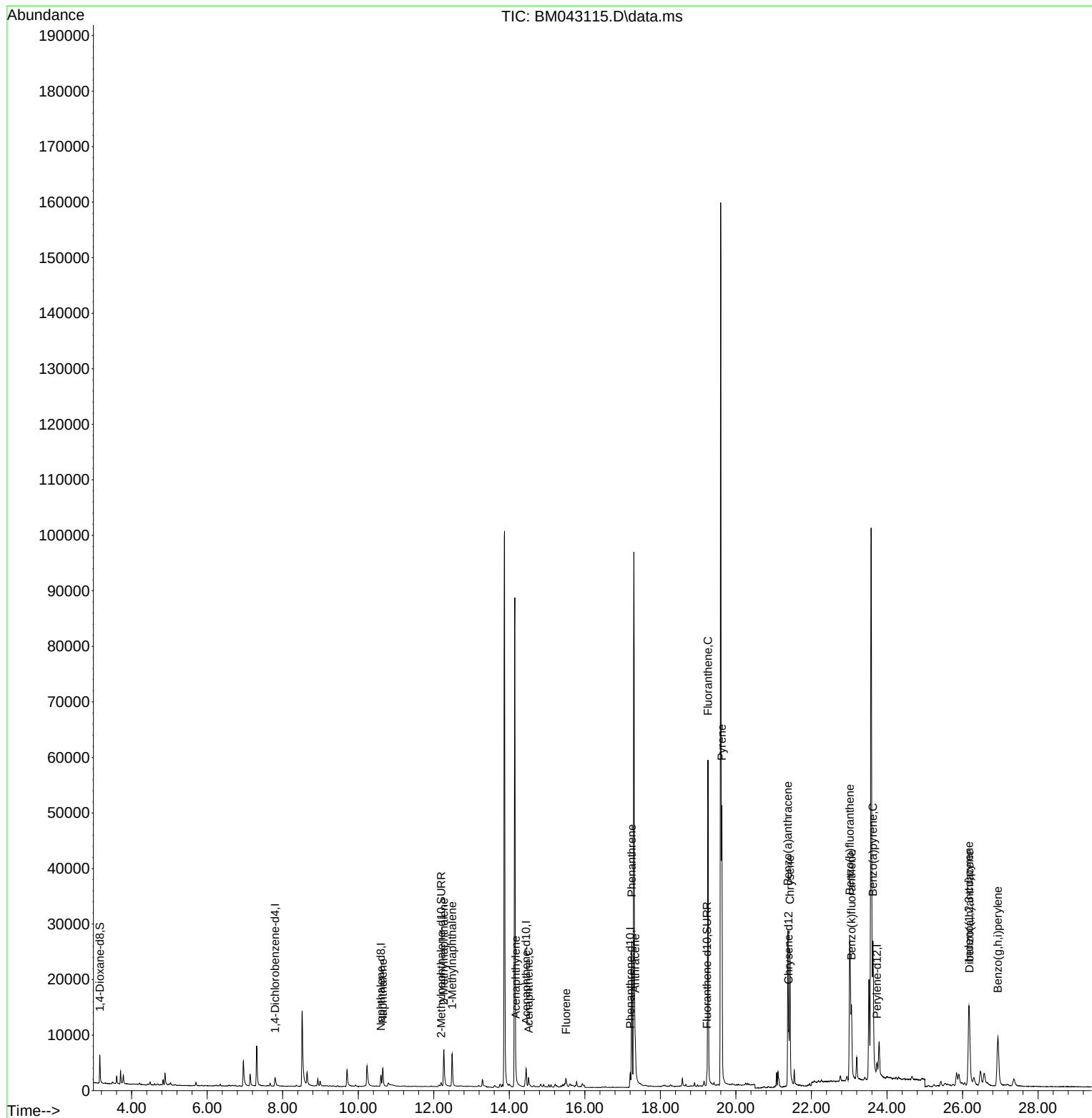
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043115.D
Acq On : 01 Dec 2023 09:58
Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

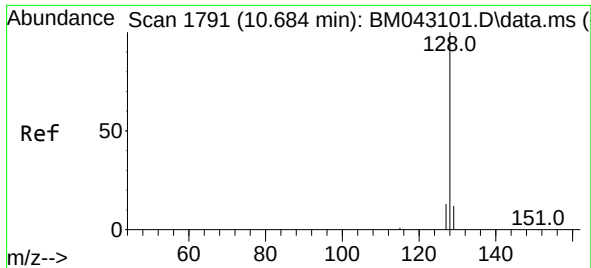
Instrument :
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C0AK0

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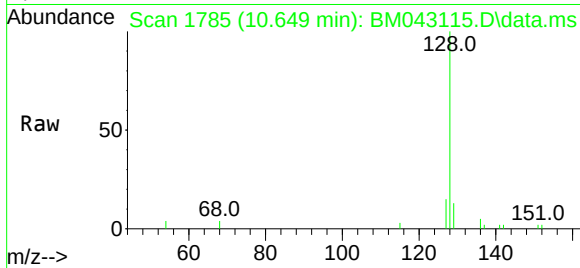
Quant Time: Dec 01 23:18:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.590 ng/u1
RT: 10.649 min Scan# 1791
Delta R.T. -0.040 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

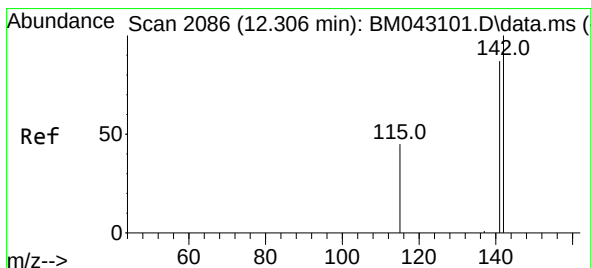
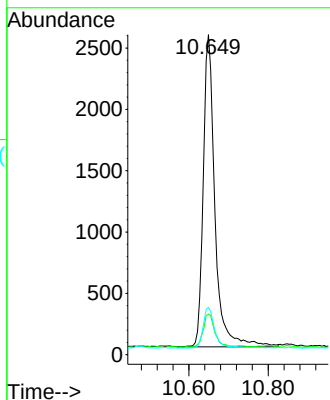
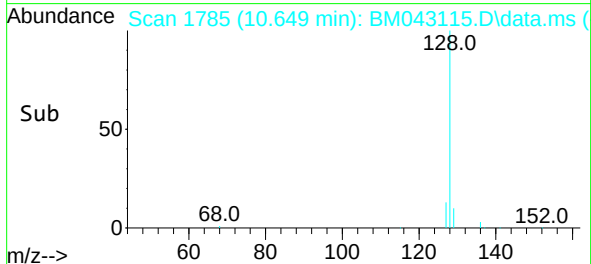
Instrument :
BNA_M
ClientSampleId :
C0AK0



Tgt Ion:128 Resp: 5214
Ion Ratio Lower Upper
128 100
129 12.7 16.0 24.0
127 14.8 16.5 24.7

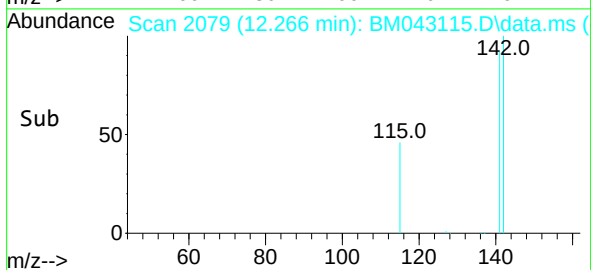
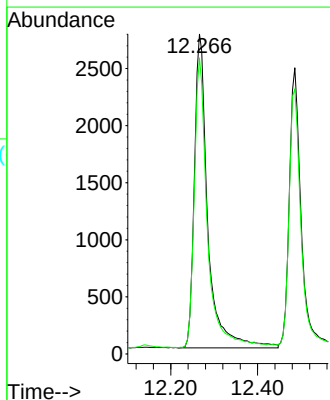
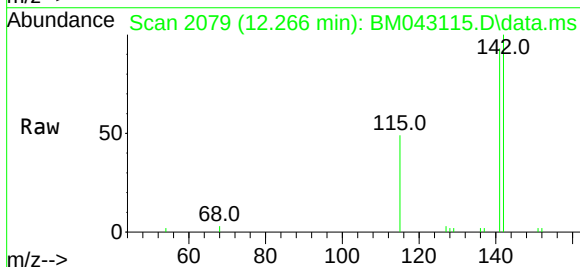
Manual Integrations
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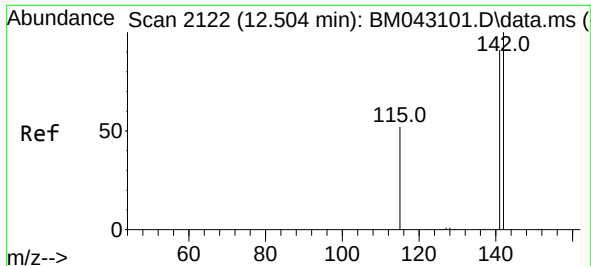
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 1.142 ng/u1
RT: 12.266 min Scan# 2079
Delta R.T. -0.045 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

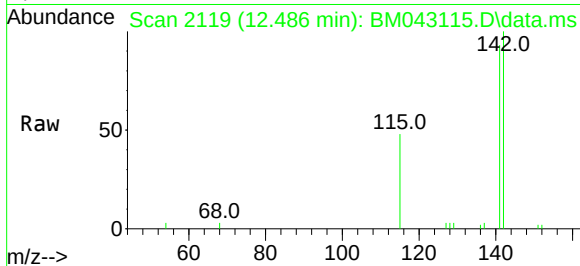
Tgt Ion:142 Resp: 5953
Ion Ratio Lower Upper
142 100
141 91.0 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.765 ng/ul
RT: 12.486 min Scan# 2119
Delta R.T. -0.023 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

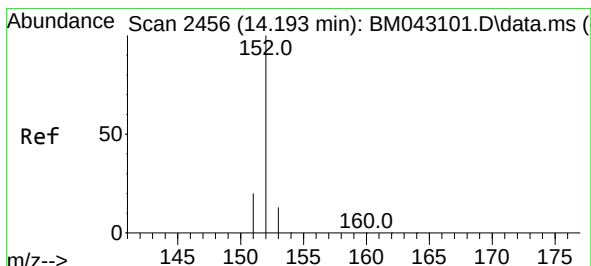
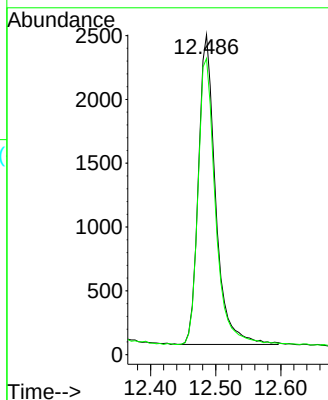
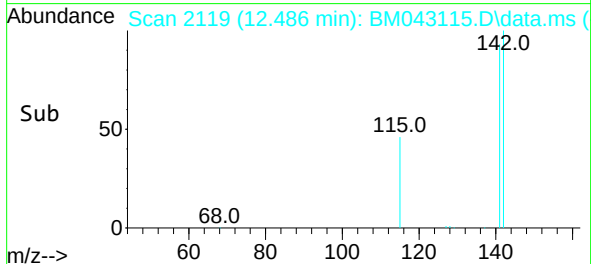
Instrument :
BNA_M
ClientSampleId :
C0AK0



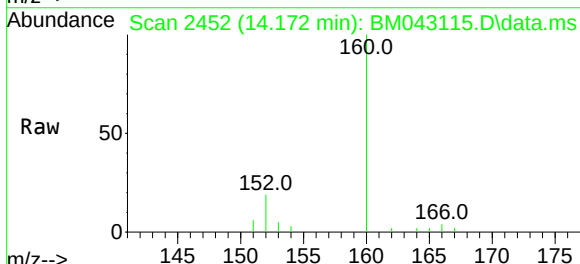
Tgt Ion:142 Resp: 4449
Ion Ratio Lower Upper
142 100
141 94.0 73.8 110.8

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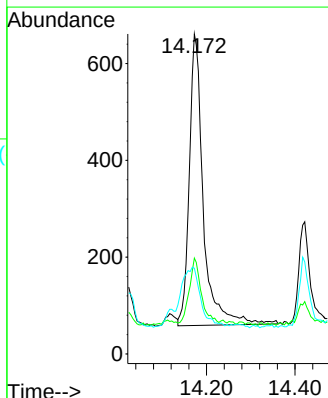
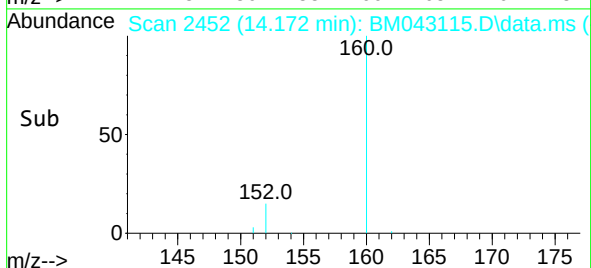
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

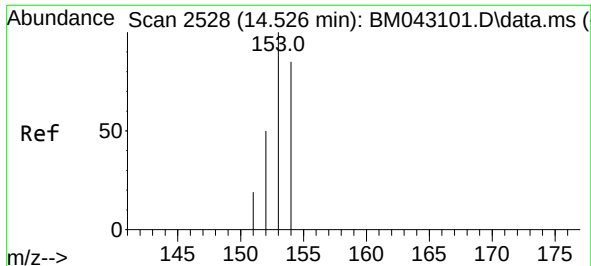


#10
Acenaphthylene
Concen: 0.140 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.024 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58



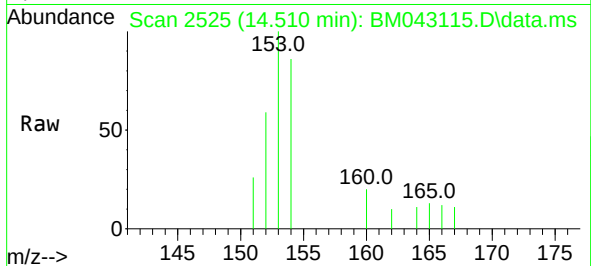
Tgt Ion:152 Resp: 1323
Ion Ratio Lower Upper
152 100
151 30.0 19.4 29.0#
153 26.8 14.6 21.8#





#11
Acenaphthene
Concen: 0.151 ng/ul
RT: 14.510 min Scan# 21
Delta R.T. -0.015 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

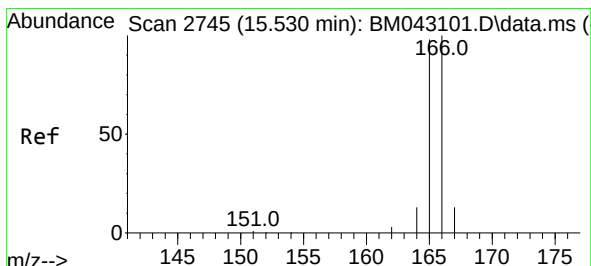
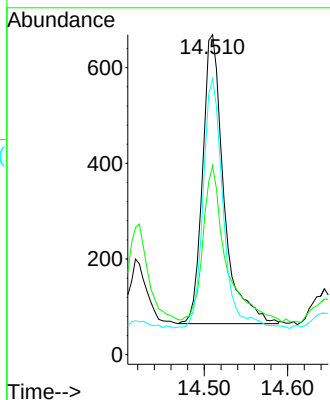
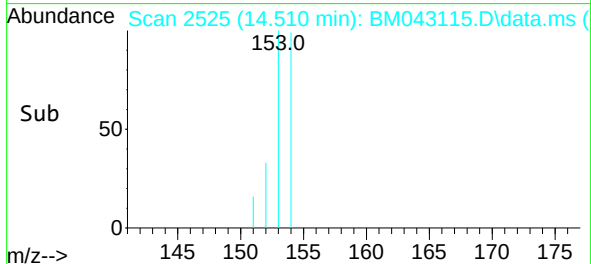
Instrument :
BNA_M
ClientSampleId :
COAK0



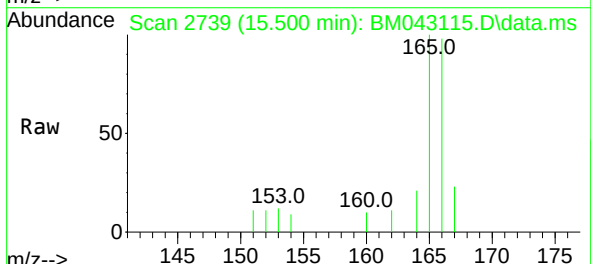
Tgt Ion:153 Resp: 1079
Ion Ratio Lower Upper
153 100
152 59.0 43.9 65.9
154 86.2 70.6 105.8

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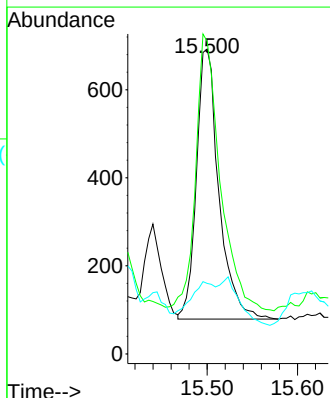
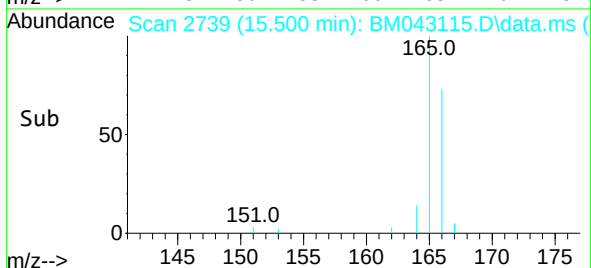
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

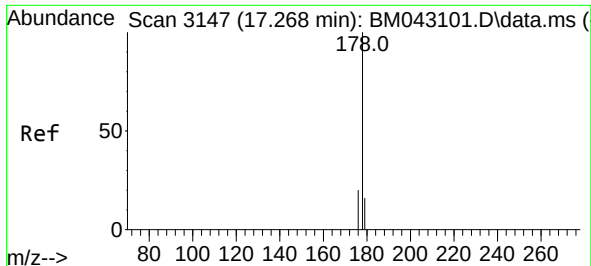


#12
Fluorene
Concen: 0.145 ng/ul
RT: 15.500 min Scan# 2739
Delta R.T. -0.034 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58



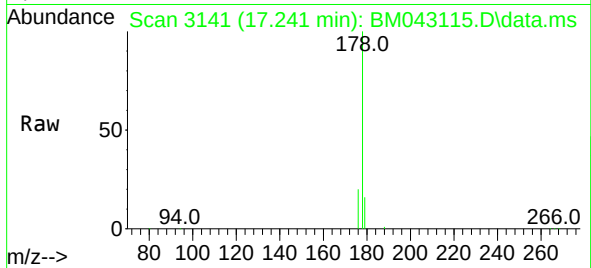
Tgt Ion:166 Resp: 1064
Ion Ratio Lower Upper
166 100
165 102.5 79.9 119.9
167 23.1 14.2 21.4#





#15
Phenanthrene
Concen: 2.909 ng/ul m
RT: 17.241 min Scan# 3141
Delta R.T. -0.031 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

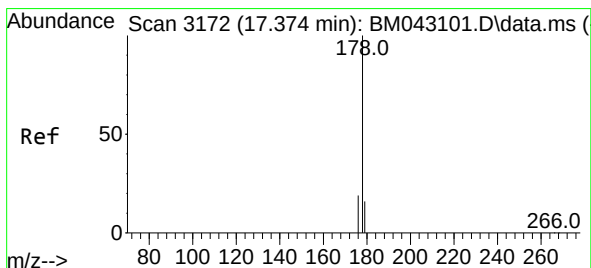
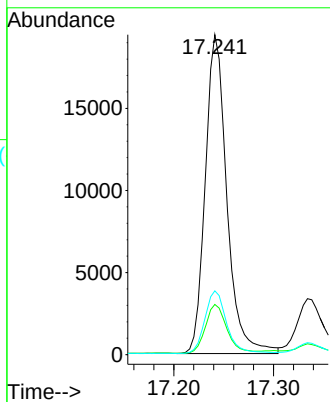
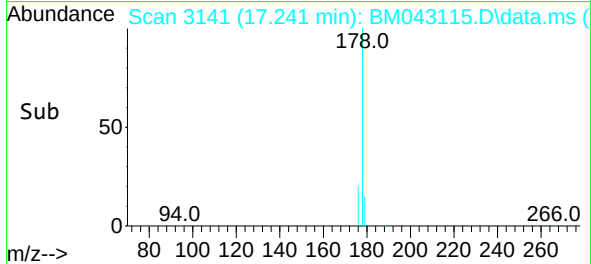
Instrument :
BNA_M
ClientSampleId :
C0AK0



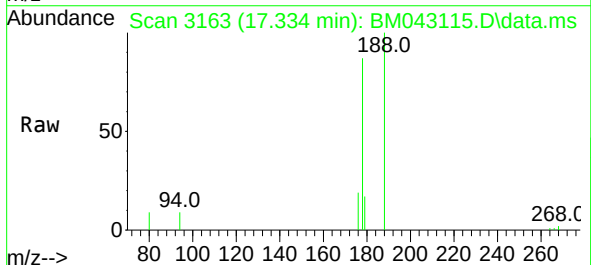
Tgt Ion:178 Resp: 29210
Ion Ratio Lower Upper
178 100
179 15.7 15.7 23.5
176 20.0 18.9 28.3

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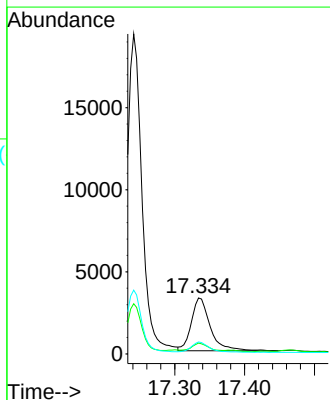
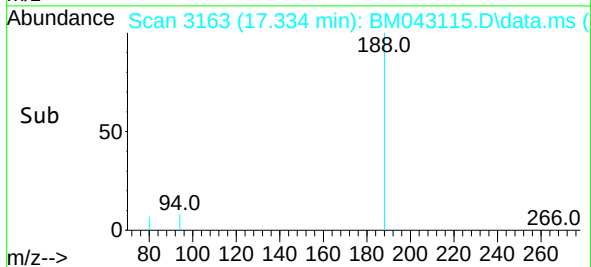
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

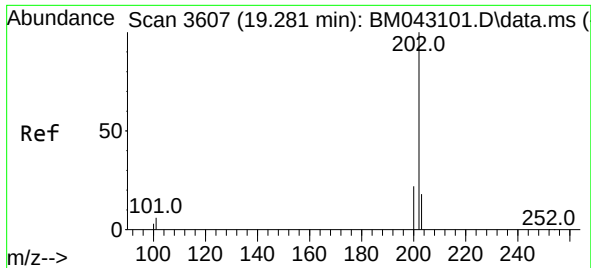


#16
Anthracene
Concen: 0.636 ng/ul
RT: 17.334 min Scan# 3163
Delta R.T. -0.043 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58



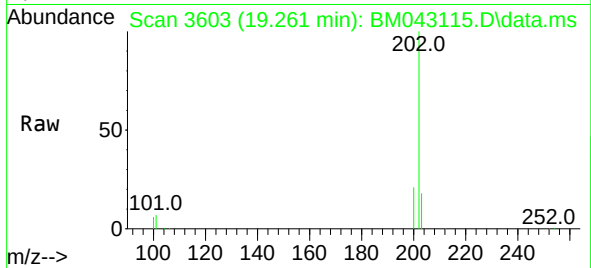
Tgt Ion:178 Resp: 6054
Ion Ratio Lower Upper
178 100
179 19.4 17.3 25.9
176 21.4 20.5 30.7





#19
Fluoranthene
Concen: 3.939 ng/u1
RT: 19.261 min Scan# 3603
Delta R.T. -0.020 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

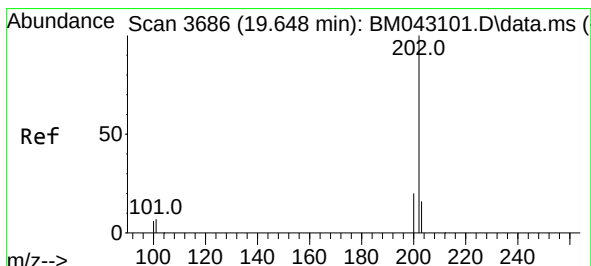
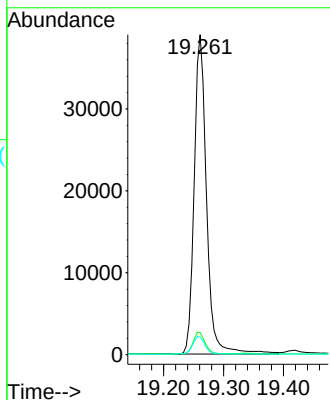
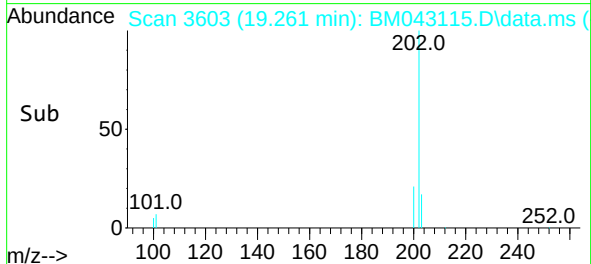
Instrument :
BNA_M
ClientSampleId :
C0AK0



Tgt Ion:202 Resp: 55779
Ion Ratio Lower Upper
202 100
101 6.9 7.8 11.8#
100 5.5 7.1 10.7#

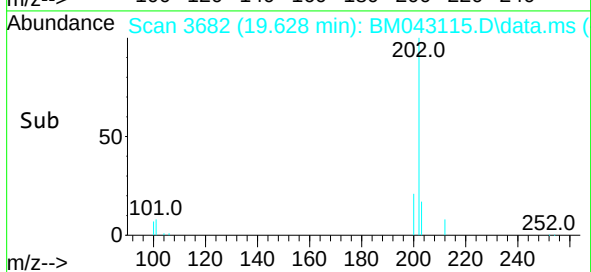
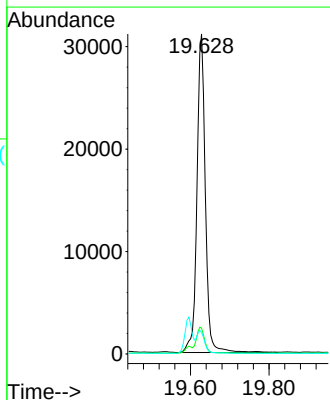
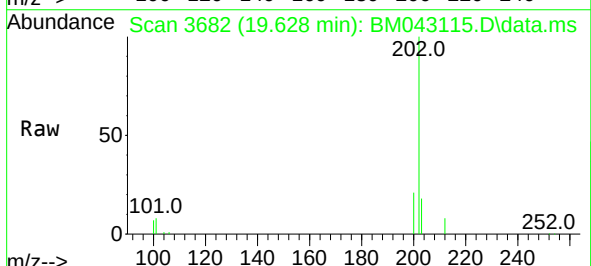
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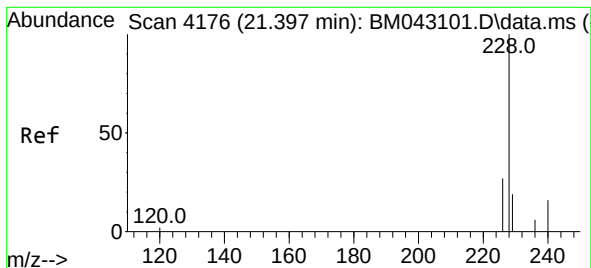
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 3.076 ng/u1
RT: 19.628 min Scan# 3682
Delta R.T. -0.020 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

Tgt Ion:202 Resp: 46326
Ion Ratio Lower Upper
202 100
101 8.1 8.7 13.1#
100 6.8 7.8 11.8#





#21

Benzo(a)anthracene

Concen: 3.694 ng/ul m

RT: 21.377 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM043115.D

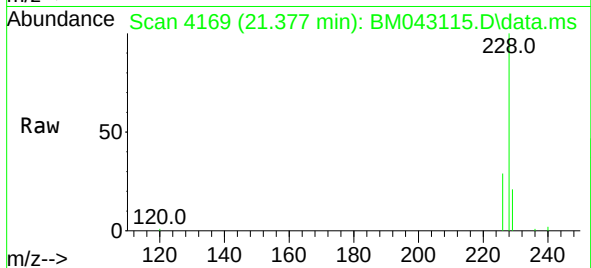
Acq: 01 Dec 2023 09:58

Instrument :

BNA_M

ClientSampleId :

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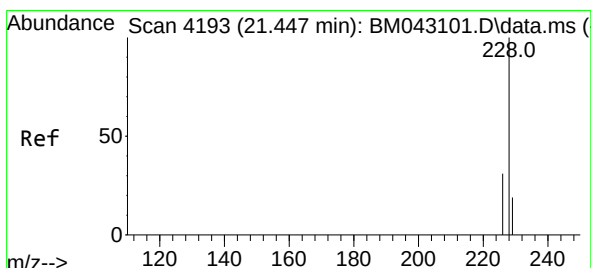
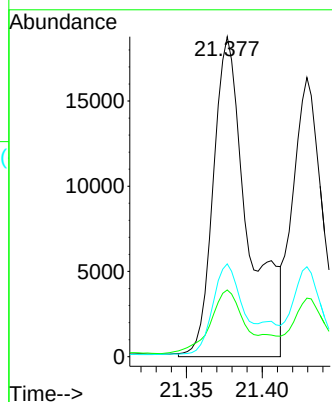
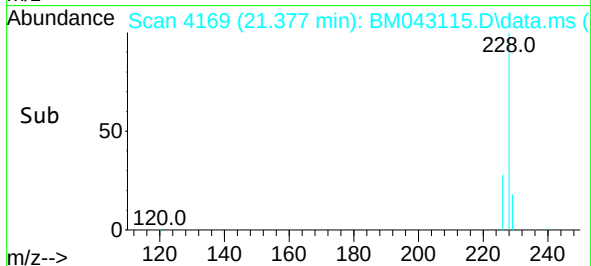
Tgt Ion:228	Resp:	2994
Ion Ratio	Lower	Upper
228	100	
229	20.9	19.4 29.0
226	29.0	24.9 37.3

Manual Integrations

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Supervised By :mohammad ahmed 12/04/2023



#22

Chrysene

Concen: 1.485 ng/ul

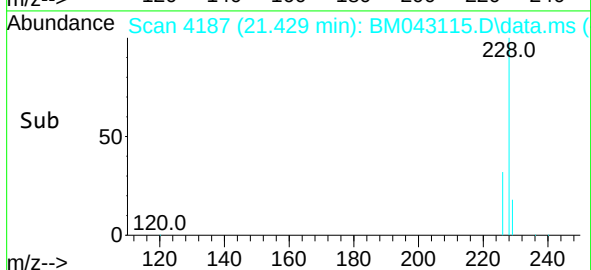
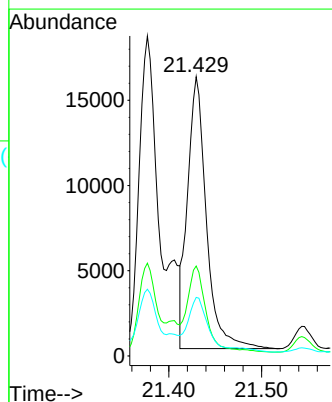
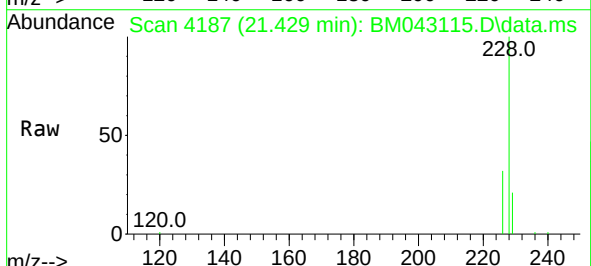
RT: 21.429 min Scan# 4187

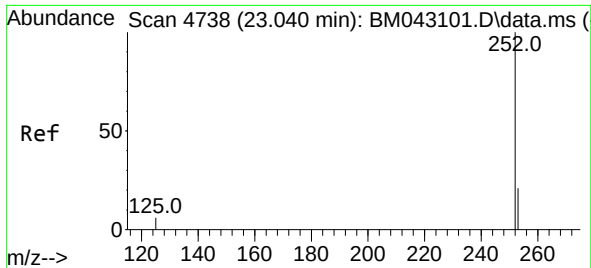
Delta R.T. -0.020 min

Lab File: BM043115.D

Acq: 01 Dec 2023 09:58

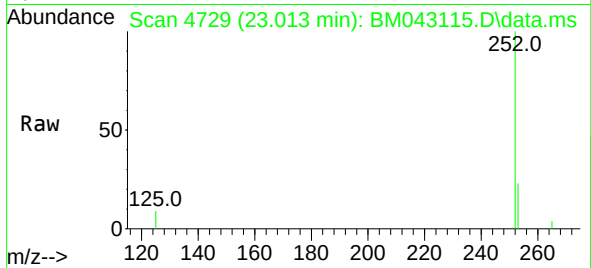
Tgt Ion:228	Resp:	22424
Ion Ratio	Lower	Upper
228	100	
226	32.2	27.2 40.8
229	21.0	18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 4.038 ng/ul
RT: 23.013 min Scan# 4729
Delta R.T. -0.023 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

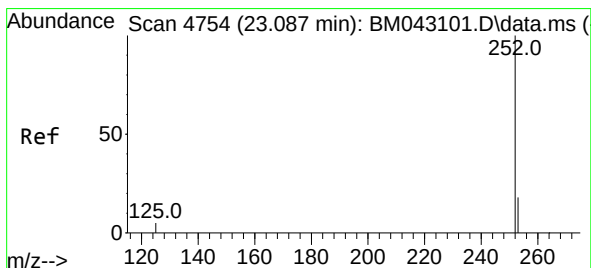
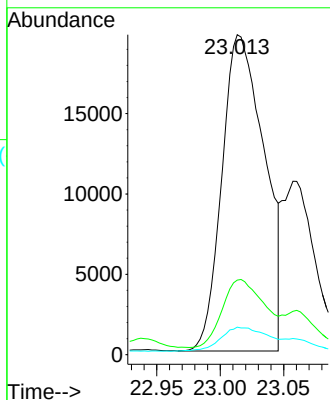
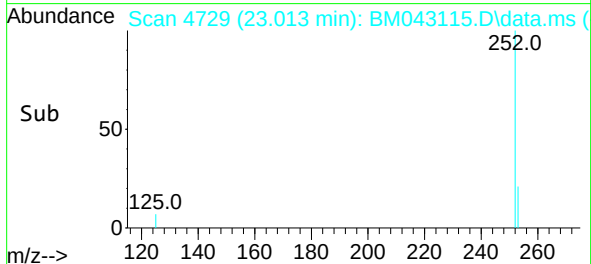
Instrument :
BNA_M
ClientSampleId :
C0AK0



Tgt Ion:252 Resp: 4574
Ion Ratio Lower Upper
252 100
253 23.3 0.0 71.8
125 8.6 0.0 29.0

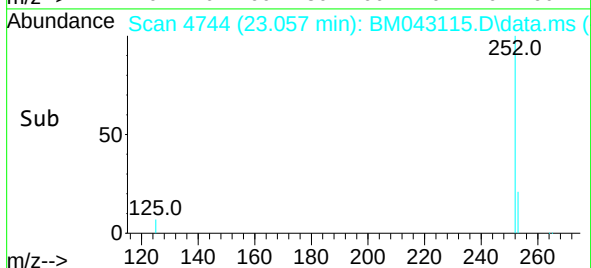
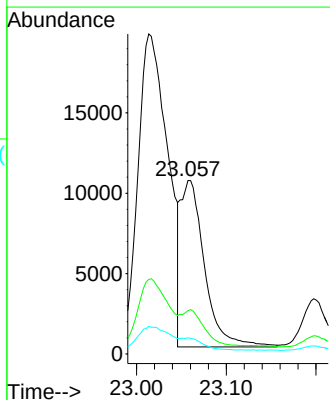
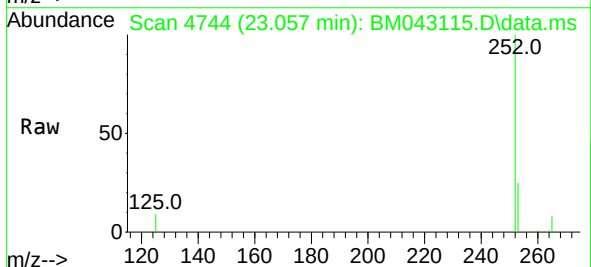
Manual Integrations
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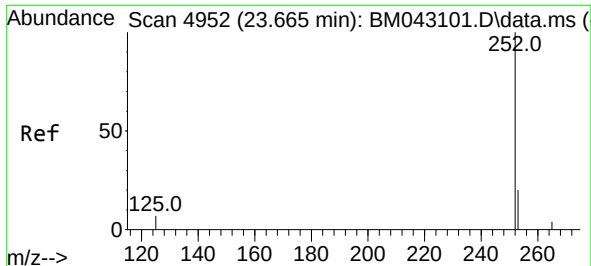
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#25
Benzo(k)fluoranthene
Concen: 1.236 ng/ul m
RT: 23.057 min Scan# 4744
Delta R.T. -0.032 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

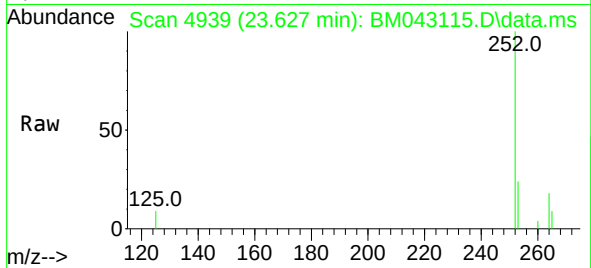
Tgt Ion:252 Resp: 19288
Ion Ratio Lower Upper
252 100
253 25.0 28.2 42.2#
125 9.3 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 2.740 ng/ul
RT: 23.627 min Scan# 4952
Delta R.T. -0.040 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

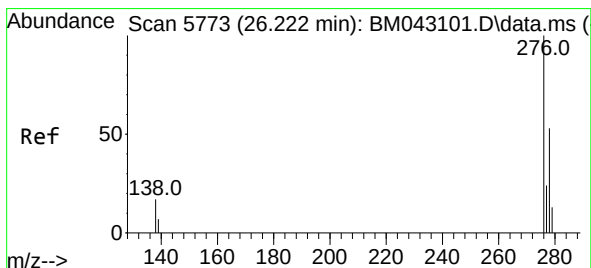
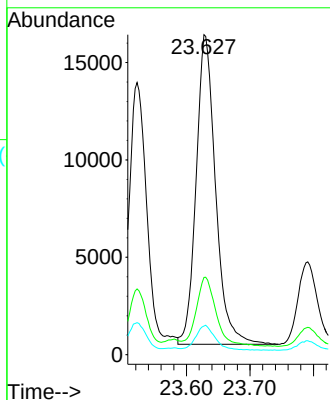
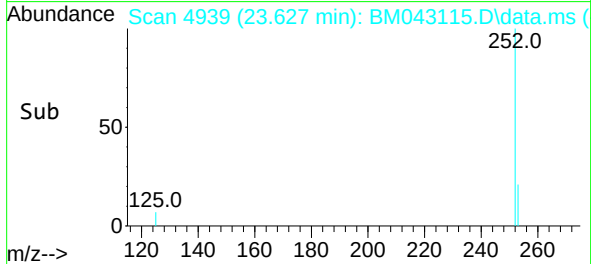
Instrument :
BNA_M
ClientSampleId :
C0AK0



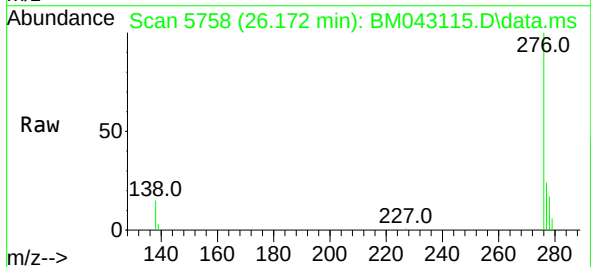
Tgt Ion:252 Resp: 3387
Ion Ratio Lower Upper
252 100
253 24.2 36.6 55.0#
125 8.9 16.2 24.4#

Manual Integrations
APPROVED

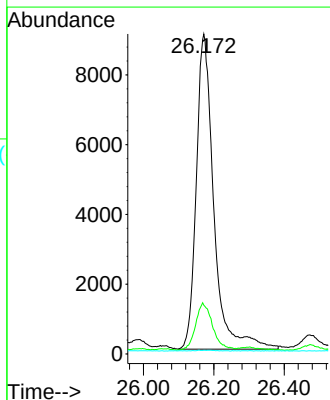
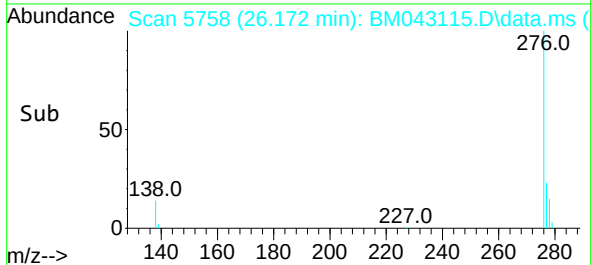
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

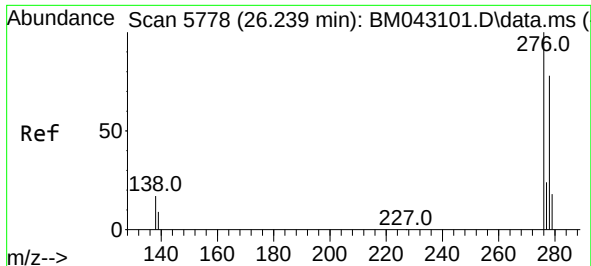


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.865 ng/ul
RT: 26.172 min Scan# 5758
Delta R.T. -0.057 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58



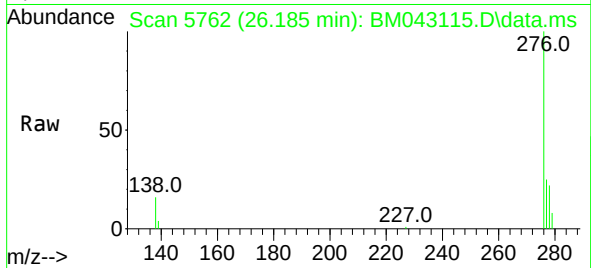
Tgt Ion:276 Resp: 31204
Ion Ratio Lower Upper
276 100
138 14.5 0.0 0.0#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.543 ng/ul m
RT: 26.185 min Scan# 51
Delta R.T. -0.063 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

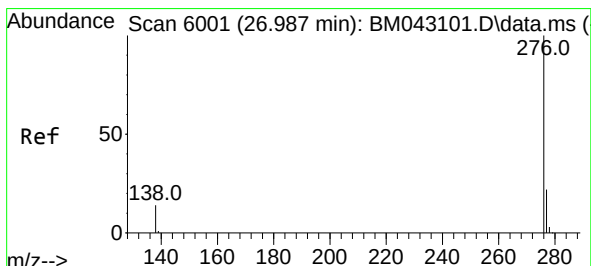
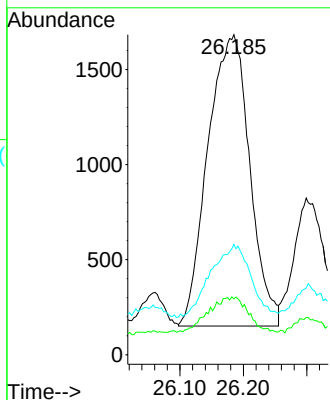
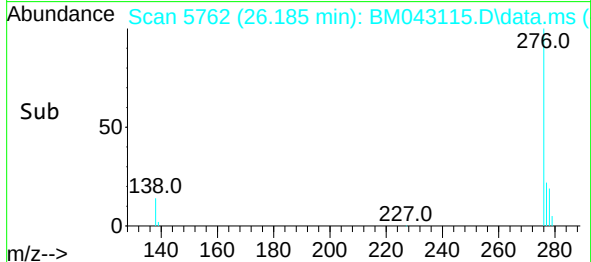
Instrument :
BNA_M
ClientSampleId :
C0AK0



Tgt Ion:278 Resp: 702
Ion Ratio Lower Upper
278 100
139 17.5 18.1 27.1
279 34.5 34.4 51.6

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 1.351 ng/ul
RT: 26.936 min Scan# 5986
Delta R.T. -0.050 min
Lab File: BM043115.D
Acq: 01 Dec 2023 09:58

Tgt Ion:276 Resp: 21995
Ion Ratio Lower Upper
276 100
138 16.2 17.8 26.8
277 24.8 23.8 35.8

