

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043113.D
 Acq On : 01 Dec 2023 08:46
 Operator : MA/JU
 Sample : 05459-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ8

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 23:17:54 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	7.805	152	981m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.607	136	2713	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.447	164	1500m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.205	188	3030	0.400	ng/ul	-0.03
17) Chrysene-d12	21.397	240	2481	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	3564m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2300	1.528	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	809	0.223	ng/ul	-0.03
18) Fluoranthene-d10	19.234	212	1999	0.221	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.656	128	2233	0.303	ng/ul#	92
7) 2-Methylnaphthalene	12.278	142	2484	0.571	ng/ul	96
8) 1-Methylnaphthalene	12.493	142	1871	0.386	ng/ul	97
10) Acenaphthylene	14.178	152	341	0.045	ng/ul#	55
11) Acenaphthene	14.511	153	184	0.032	ng/ul#	88
12) Fluorene	15.501	166	207	0.035	ng/ul#	83
15) Phenanthrene	17.247	178	7102	0.821	ng/ul	94
16) Anthracene	17.340	178	907	0.111	ng/ul#	83
19) Fluoranthene	19.267	202	7970	0.567	ng/ul#	93
20) Pyrene	19.629	202	7358	0.492	ng/ul	96
21) Benzo(a)anthracene	21.382	228	4318	0.536	ng/ul	98
22) Chrysene	21.435	228	3920	0.261	ng/ul	97
24) Benzo(b)fluoranthene	23.022	252	5560	0.462	ng/ul	93
25) Benzo(k)fluoranthene	23.063	252	2237m	0.135	ng/ul	
26) Benzo(a)pyrene	23.633	252	3770	0.287	ng/ul	88
27) Indeno(1,2,3-cd)pyrene	26.201	276	3073	0.173	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.208	278	775	0.056	ng/ul#	51
29) Benzo(g,h,i)perylene	26.959	276	3488	0.202	ng/ul	99

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

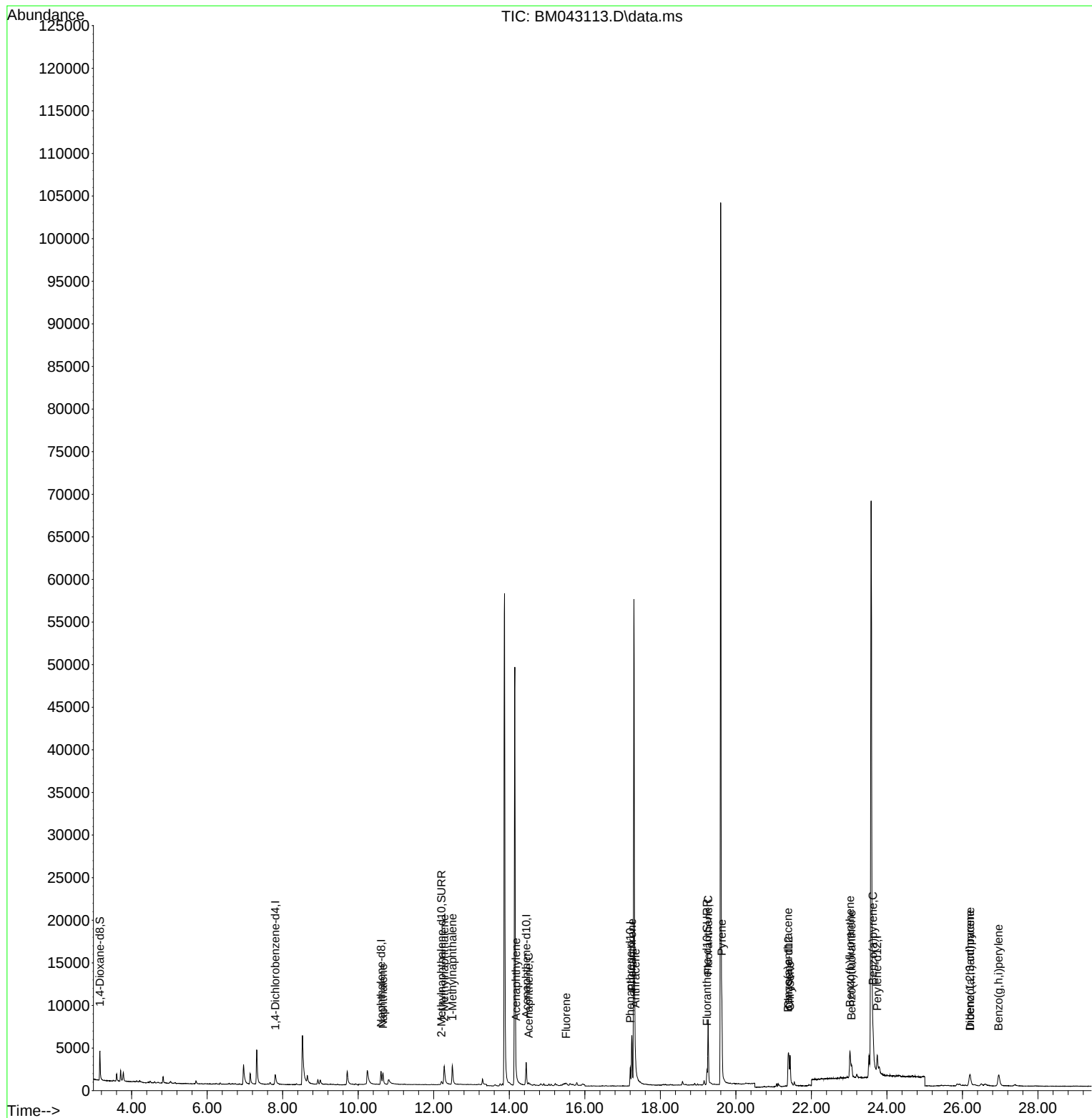
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043113.D
Acq On : 01 Dec 2023 08:46
Operator : MA/JU
Sample : 05459-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

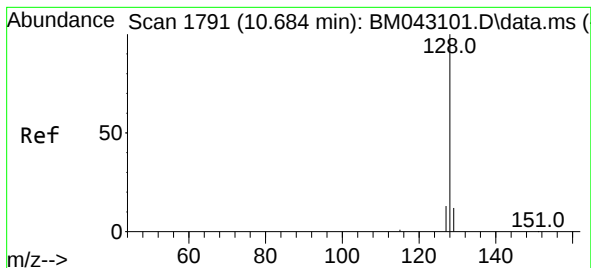
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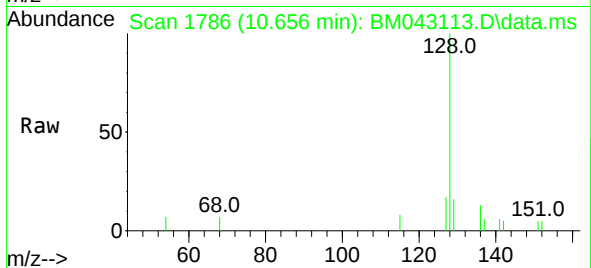
Quant Time: Dec 01 23:17:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
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#5
Naphthalene
Concen: 0.303 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. -0.033 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

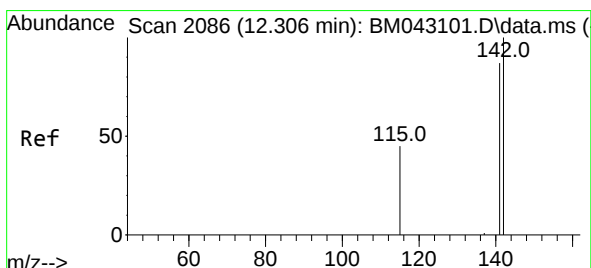
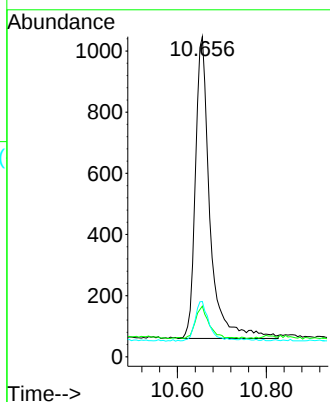
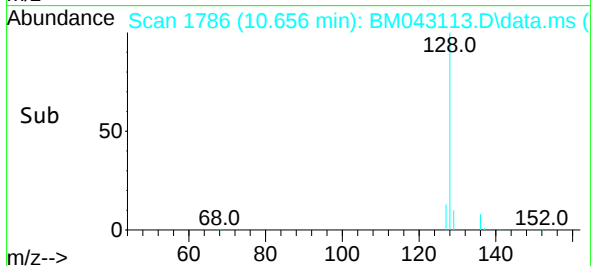
Instrument :
BNA_M
ClientSampleId :
C0AJ8



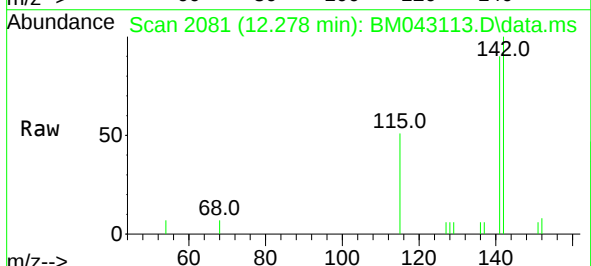
Tgt Ion:128 Resp: 223
Ion Ratio Lower Upper
128 100
129 15.9 16.0 24.0
127 17.3 16.5 24.7

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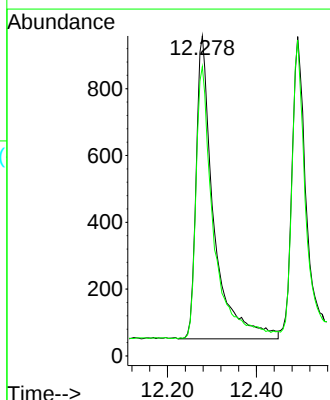
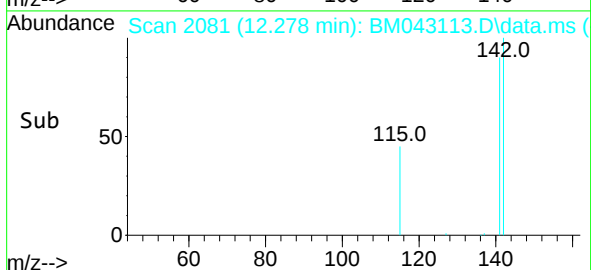
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

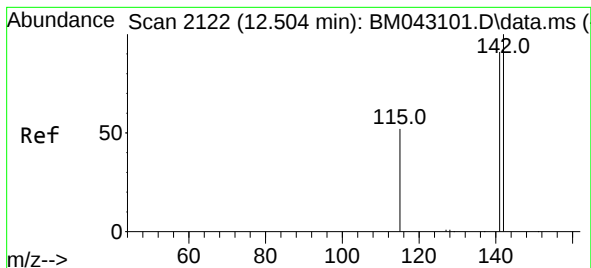


#7
2-Methylnaphthalene
Concen: 0.571 ng/ul
RT: 12.278 min Scan# 2081
Delta R.T. -0.033 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46



Tgt Ion:142 Resp: 2484
Ion Ratio Lower Upper
142 100
141 90.8 76.1 114.1





#8

1-Methylnaphthalene

Concen: 0.386 ng/ul

RT: 12.493 min Scan# 2122

Delta R.T. -0.016 min

Lab File: BM043113.D

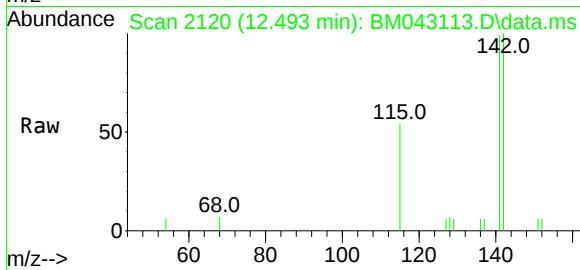
Acq: 01 Dec 2023 08:46

Instrument :

BNA_M

ClientSampleId :

C0AJ8



Tgt Ion:142 Resp: 187

Ion Ratio Lower Upper

142 100

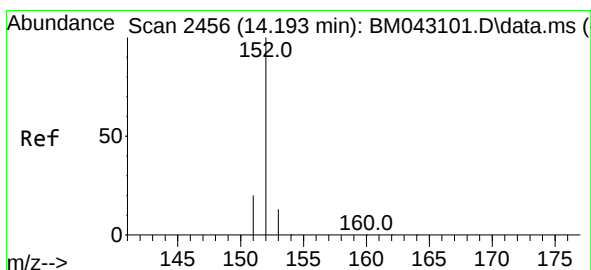
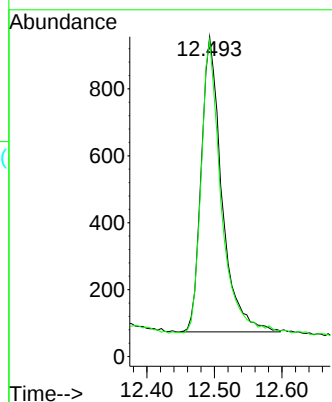
141 95.5 73.8 110.8

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#10

Acenaphthylene

Concen: 0.045 ng/ul

RT: 14.178 min Scan# 2453

Delta R.T. -0.018 min

Lab File: BM043113.D

Acq: 01 Dec 2023 08:46

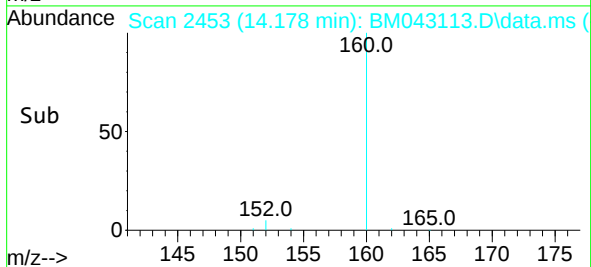
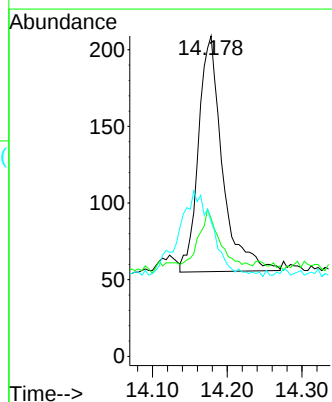
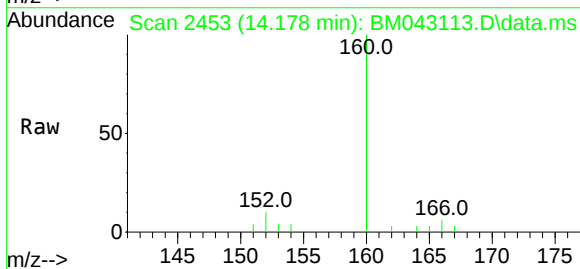
Tgt Ion:152 Resp: 341

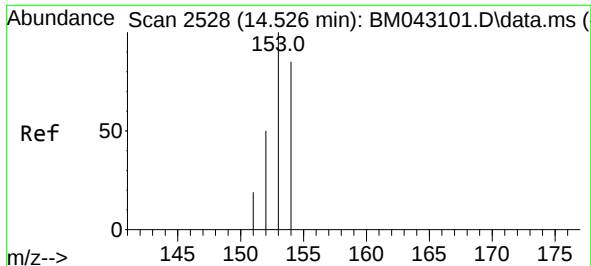
Ion Ratio Lower Upper

152 100

151 43.1 19.4 29.0#

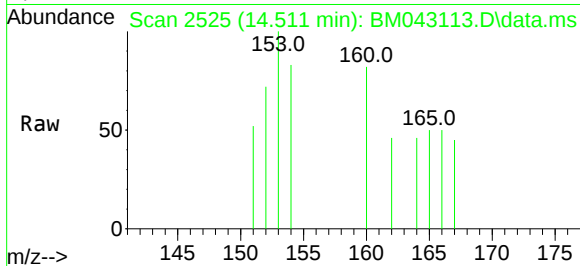
153 42.1 14.6 21.8#





#11
Acenaphthene
Concen: 0.032 ng/u1
RT: 14.511 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

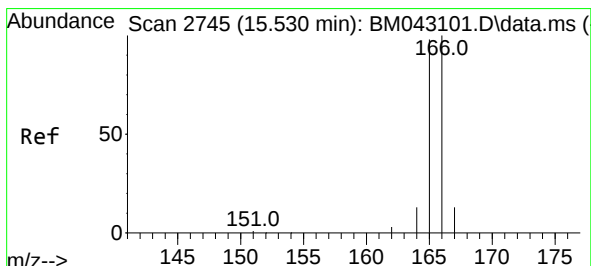
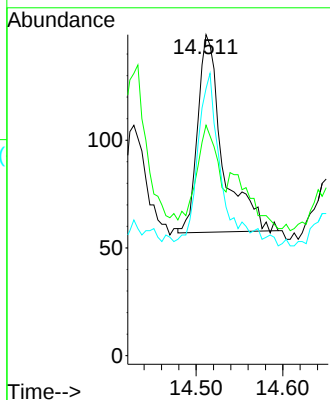
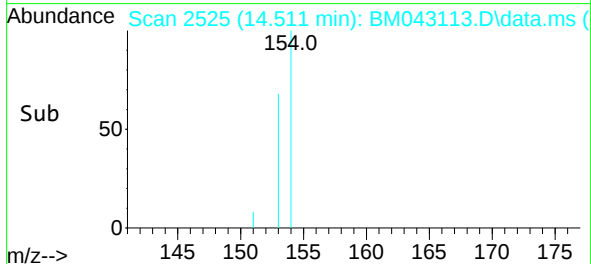
Instrument :
BNA_M
ClientSampleId :
C0AJ8



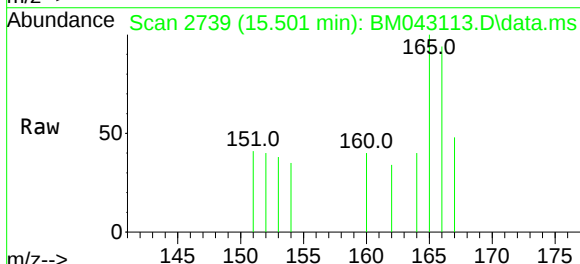
Tgt Ion:153 Resp: 184
Ion Ratio Lower Upper
153 100
152 71.8 43.9 65.9
154 83.2 70.6 105.8

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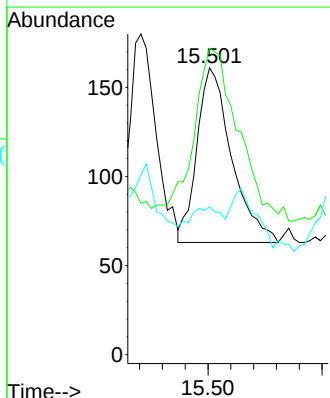
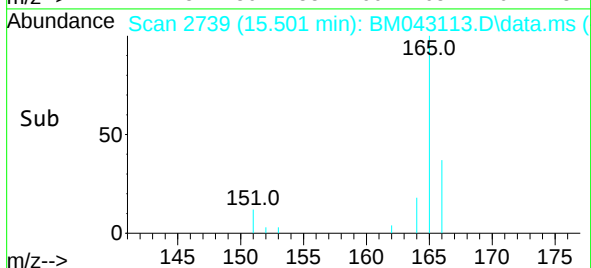
Reviewed By :Yogesh Patel 12/04/2023
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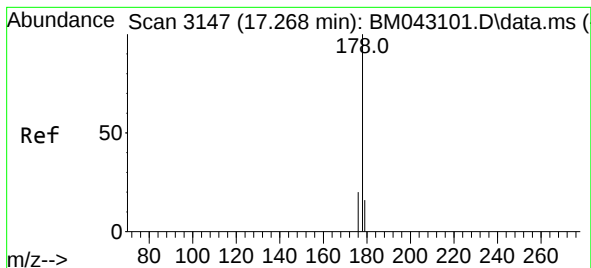


#12
Fluorene
Concen: 0.035 ng/u1
RT: 15.501 min Scan# 2739
Delta R.T. -0.032 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46



Tgt Ion:166 Resp: 207
Ion Ratio Lower Upper
166 100
165 106.8 79.9 119.9
167 51.6 14.2 21.4#





#15

Phenanthrene

Concen: 0.821 ng/uI

RT: 17.247 min Scan# 3142

Delta R.T. -0.025 min

Lab File: BM043113.D

Acq: 01 Dec 2023 08:46

Instrument :

BNA_M

ClientSampleId :

C0AJ8

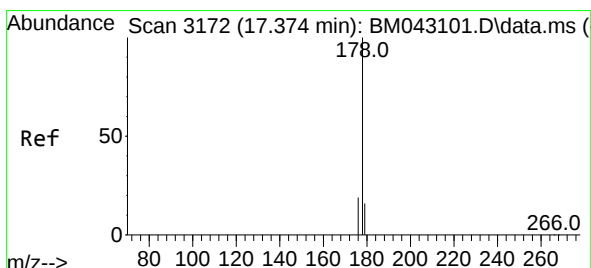
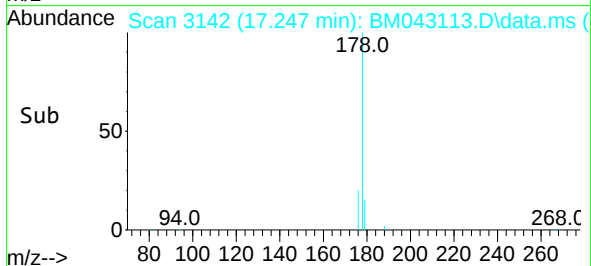
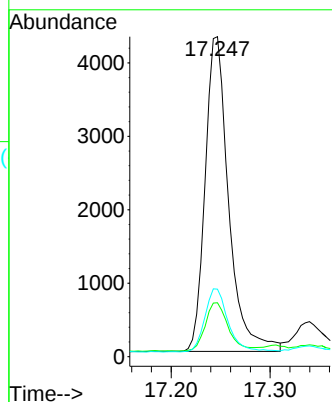
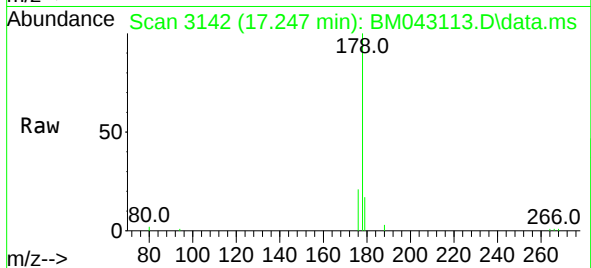
Tgt Ion:	178	Resp:	710
Ion Ratio	Lower	Upper	
178	100		
179	16.8	15.7	23.5
176	21.1	18.9	28.3

Manual Integrations

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#16

Anthracene

Concen: 0.111 ng/uI

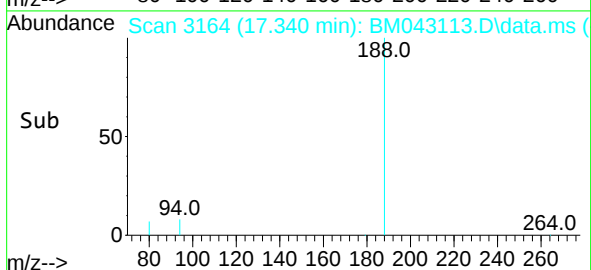
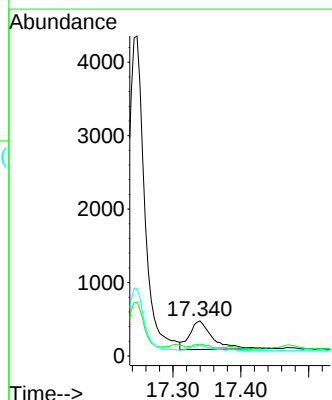
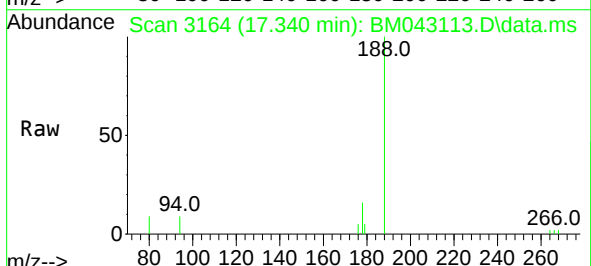
RT: 17.340 min Scan# 3164

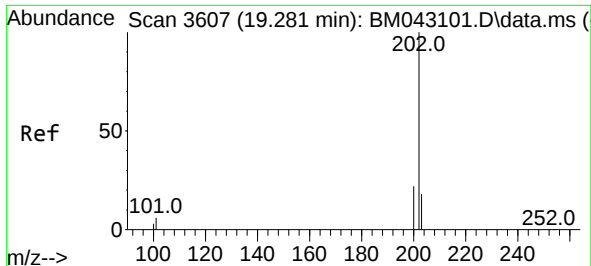
Delta R.T. -0.038 min

Lab File: BM043113.D

Acq: 01 Dec 2023 08:46

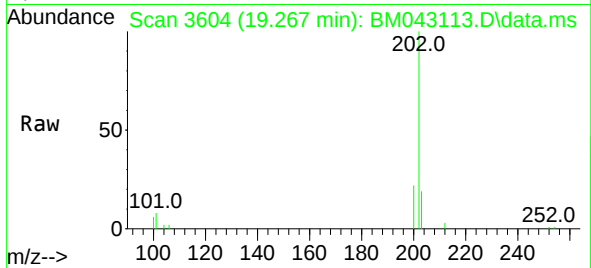
Tgt Ion:	178	Resp:	907
Ion Ratio	Lower	Upper	
178	100		
179	34.0	17.3	25.9
176	30.7	20.5	30.7





#19
Fluoranthene
Concen: 0.567 ng/u1
RT: 19.267 min Scan# 3604
Delta R.T. -0.014 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

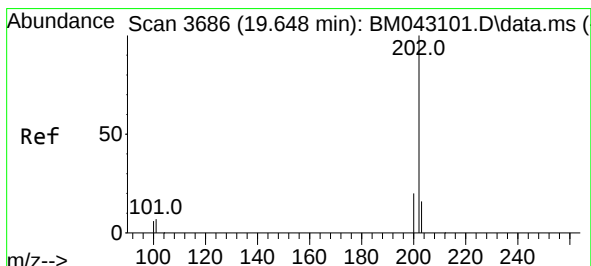
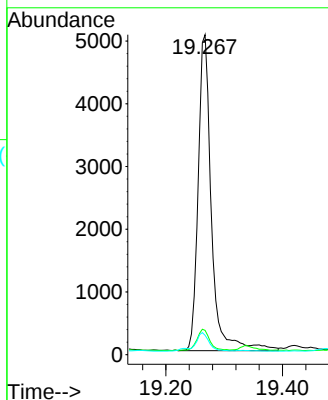
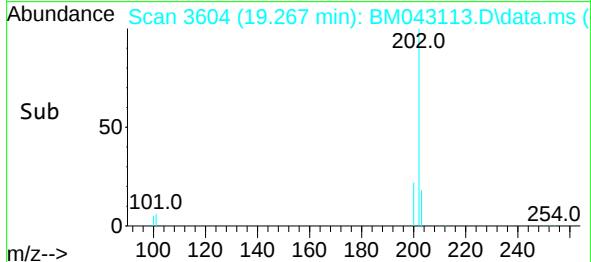
Instrument :
BNA_M
ClientSampleId :
C0AJ8



Tgt Ion:202 Resp: 7970
Ion Ratio Lower Upper
202 100
101 7.6 7.8 11.8
100 6.0 7.1 10.7

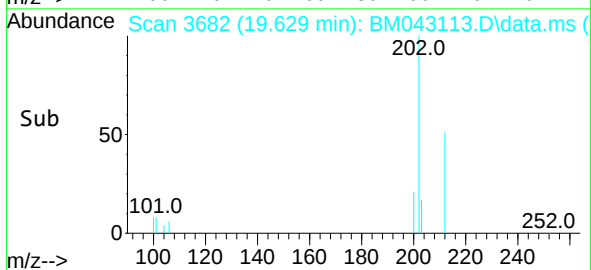
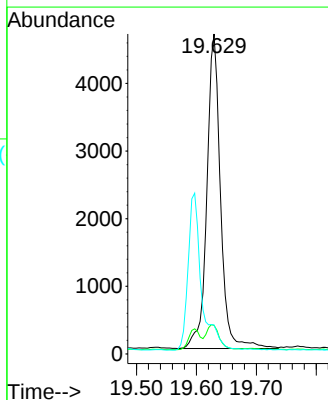
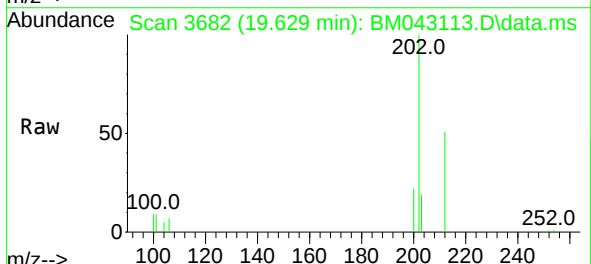
Manual Integrations
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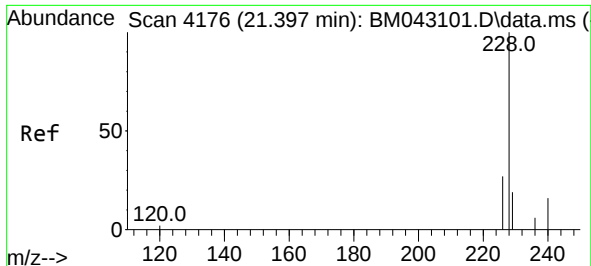
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 0.492 ng/u1
RT: 19.629 min Scan# 3682
Delta R.T. -0.018 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

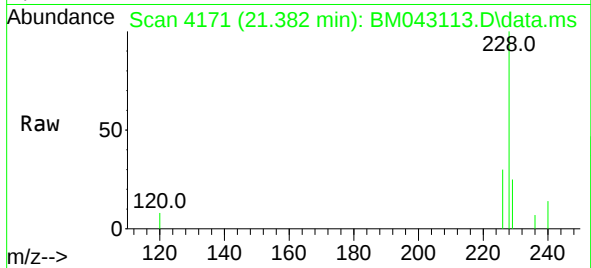
Tgt Ion:202 Resp: 7358
Ion Ratio Lower Upper
202 100
101 9.0 8.7 13.1
100 9.0 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.536 ng/u1
RT: 21.382 min Scan# 4176
Delta R.T. -0.017 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

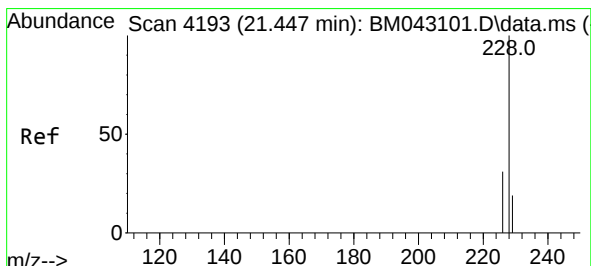
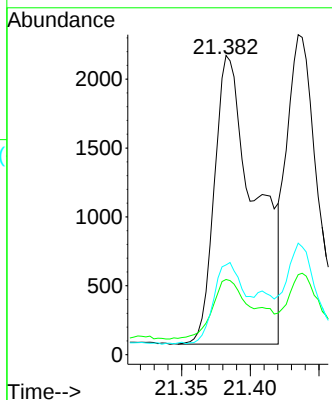
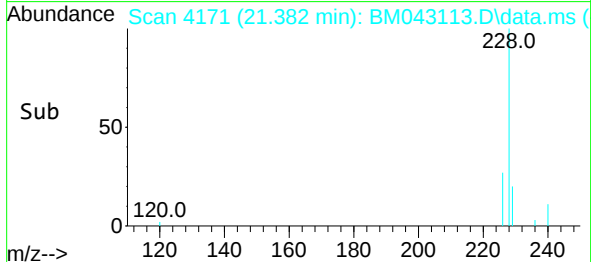
Instrument :
BNA_M
ClientSampleId :
C0AJ8



Tgt Ion:228 Resp: 4318
Ion Ratio Lower Upper
228 100
229 25.1 19.4 29.0
226 30.0 24.9 37.3

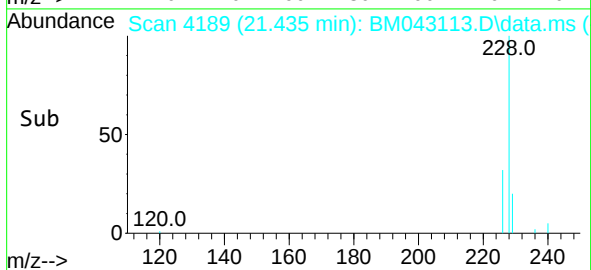
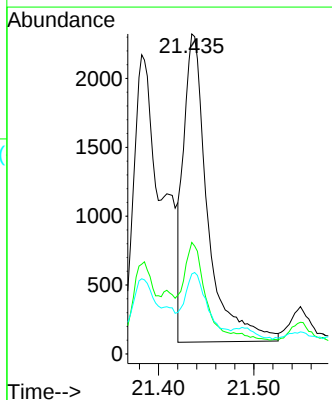
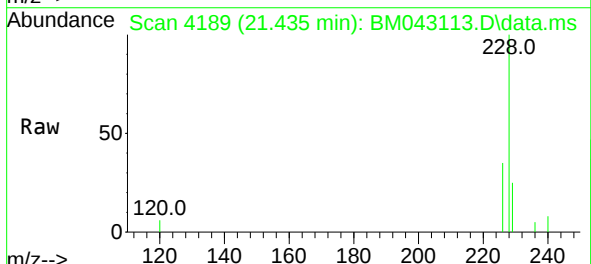
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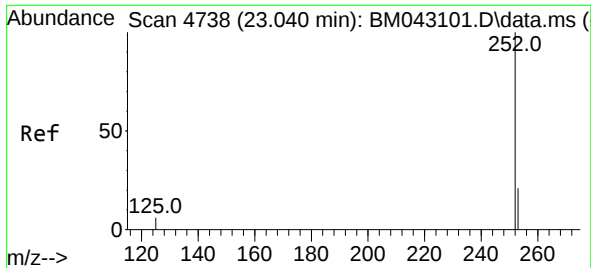
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#22
Chrysene
Concen: 0.261 ng/u1
RT: 21.435 min Scan# 4189
Delta R.T. -0.014 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

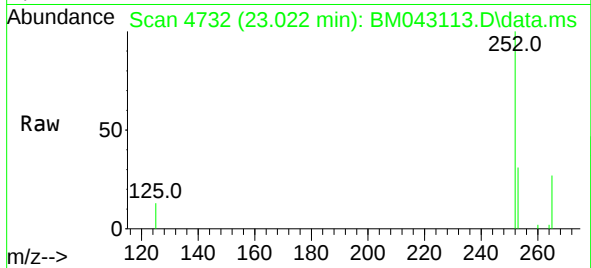
Tgt Ion:228 Resp: 3920
Ion Ratio Lower Upper
228 100
226 34.8 27.2 40.8
229 25.0 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 0.462 ng/ul
RT: 23.022 min Scan# 4732
Delta R.T. -0.015 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

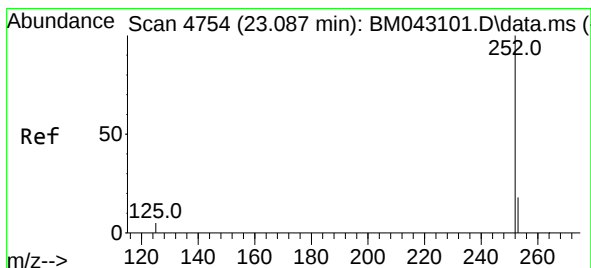
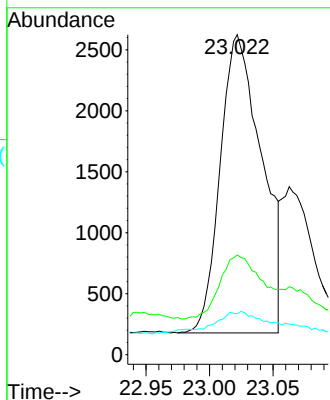
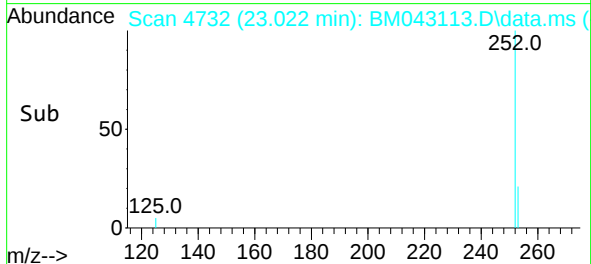
Instrument :
BNA_M
ClientSampleId :
C0AJ8



Tgt Ion:252 Resp: 5560
Ion Ratio Lower Upper
252 100
253 31.1 0.0 71.8
125 12.7 0.0 29.0

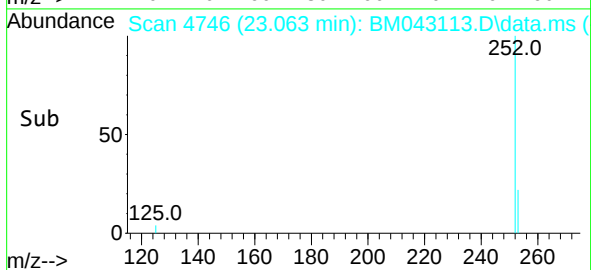
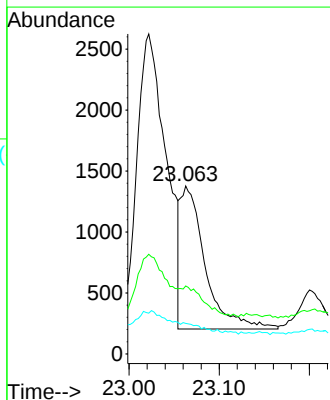
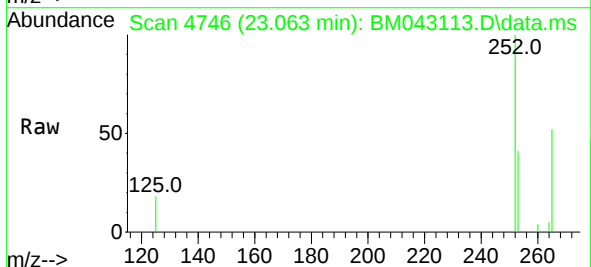
Manual Integrations
APPROVED

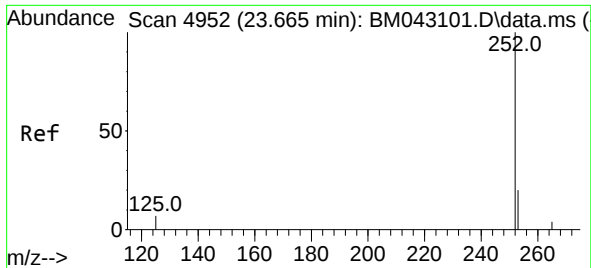
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#25
Benzo(k)fluoranthene
Concen: 0.135 ng/ul m
RT: 23.063 min Scan# 4746
Delta R.T. -0.026 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

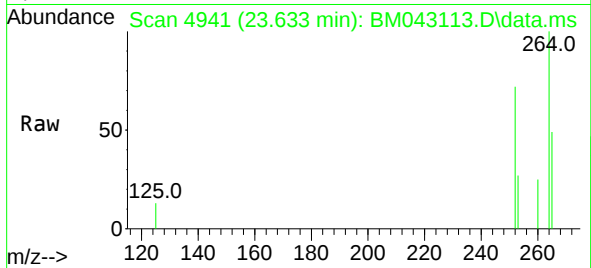
Tgt Ion:252 Resp: 2237
Ion Ratio Lower Upper
252 100
253 40.5 28.2 42.2
125 18.2 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 0.287 ng/ul
RT: 23.633 min Scan# 4941
Delta R.T. -0.035 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46

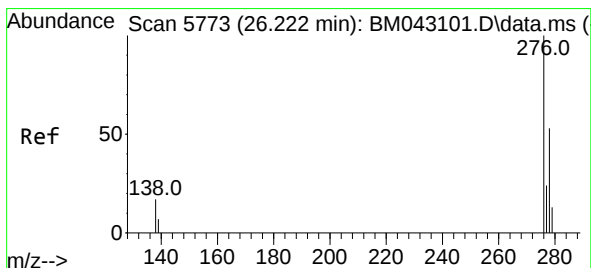
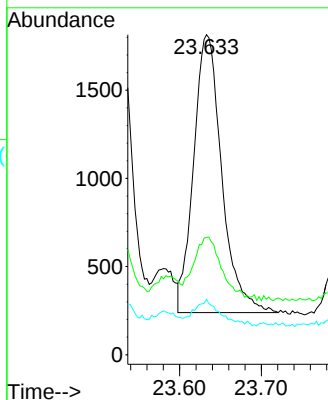
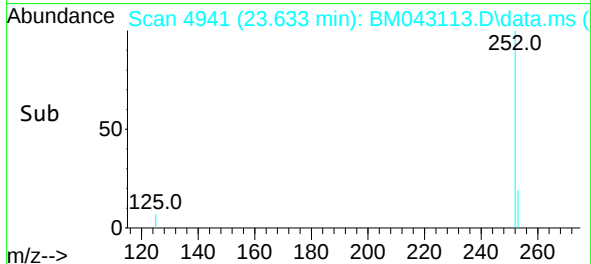
Instrument :
BNA_M
ClientSampleId :
C0AJ8



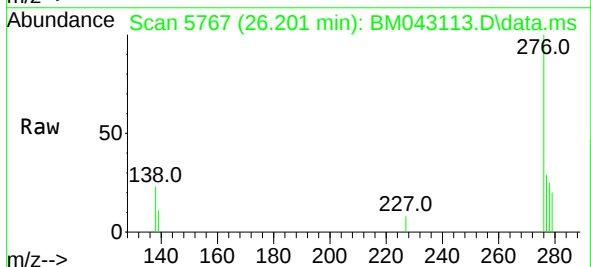
Tgt Ion:252 Resp: 3770
Ion Ratio Lower Upper
252 100
253 36.7 36.6 55.0
125 17.3 16.2 24.4

Manual Integrations
APPROVED

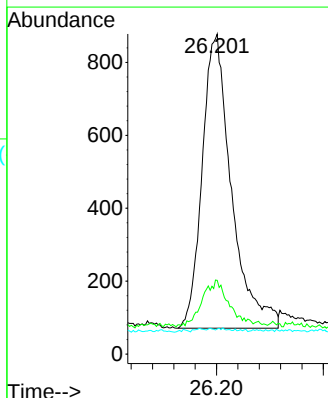
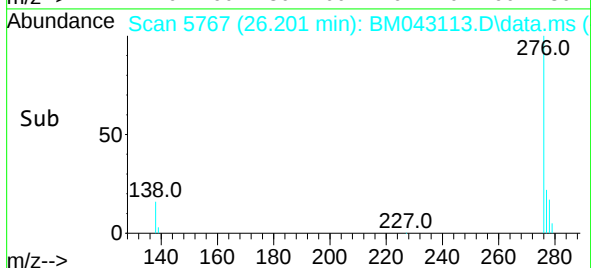
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

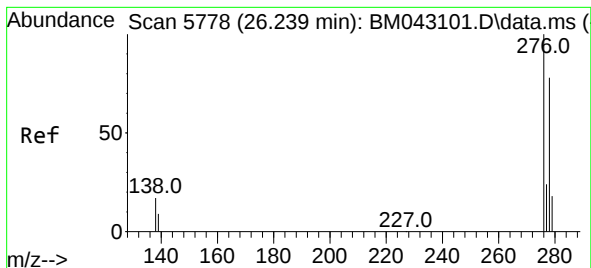


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.173 ng/ul
RT: 26.201 min Scan# 5767
Delta R.T. -0.027 min
Lab File: BM043113.D
Acq: 01 Dec 2023 08:46



Tgt Ion:276 Resp: 3073
Ion Ratio Lower Upper
276 100
138 15.0 0.0 0.0#
227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.056 ng/ul

RT: 26.208 min Scan# 51

Delta R.T. -0.040 min

Lab File: BM043113.D

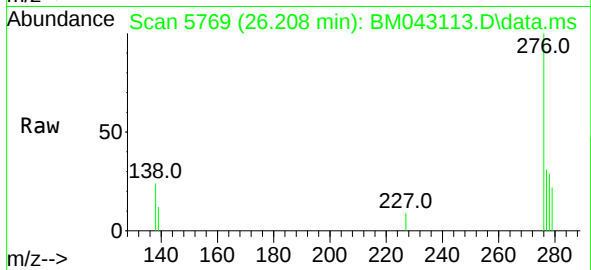
Acq: 01 Dec 2023 08:46

Instrument :

BNA_M

ClientSampleId :

C0AJ8



Tgt Ion:278 Resp: 77

Ion Ratio Lower Upper

278 100

139 41.4 18.1 27.1

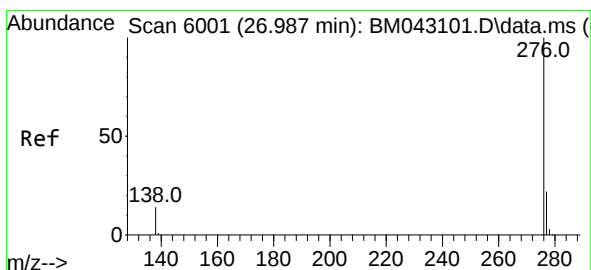
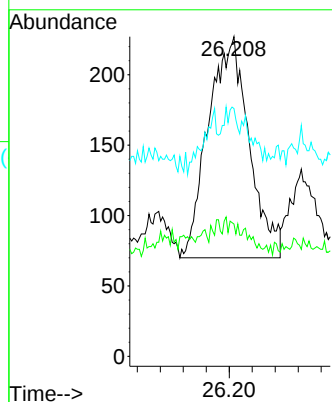
279 77.5 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/04/2023



#29

Benzo(g,h,i)perylene

Concen: 0.202 ng/ul

RT: 26.959 min Scan# 5993

Delta R.T. -0.027 min

Lab File: BM043113.D

Acq: 01 Dec 2023 08:46

Tgt Ion:276 Resp: 3488

Ion Ratio Lower Upper

276 100

138 22.0 17.8 26.8

277 29.0 23.8 35.8

