

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043082.D
 Acq On : 28 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05416-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAH0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023

Quant Time: Nov 28 23:40:09 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 : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	1003m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.611	136	2886	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.450	164	1582m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.208	188	3213	0.400	ng/ul	-0.03
17) Chrysene-d12	21.400	240	2511	0.400	ng/ul	-0.02
23) Perylene-d12	23.750	264	2472m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2078	1.350	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	629	0.163	ng/ul	-0.03
18) Fluoranthene-d10	19.238	212	1471	0.161	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.660	128	780	0.099	ng/ul	93
7) 2-Methylnaphthalene	12.288	142	664	0.144	ng/ul	94
8) 1-Methylnaphthalene	12.503	142	471	0.091	ng/ul	97
10) Acenaphthylene	14.182	152	1328	0.164	ng/ul#	94
11) Acenaphthene	14.515	153	187	0.031	ng/ul#	87
12) Fluorene	15.509	166	333	0.053	ng/ul#	95
15) Phenanthrene	17.250	178	7489	0.817	ng/ul	94
16) Anthracene	17.343	178	1451	0.167	ng/ul#	96
19) Fluoranthene	19.266	202	15120	1.062	ng/ul#	94
20) Pyrene	19.633	202	13909	0.919	ng/ul	95
21) Benzo(a)anthracene	21.383	228	6623	0.813	ng/ul	97
22) Chrysene	21.438	228	6671	0.440	ng/ul	99
24) Benzo(b)fluoranthene	23.025	252	8520	1.021	ng/ul	90
25) Benzo(k)fluoranthene	23.069	252	3797m	0.331	ng/ul	
26) Benzo(a)pyrene	23.639	252	5233	0.575	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.202	276	4623	0.375	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.205	278	1045	0.110	ng/ul#	74
29) Benzo(g,h,i)perylene	26.960	276	4540	0.379	ng/ul	100

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

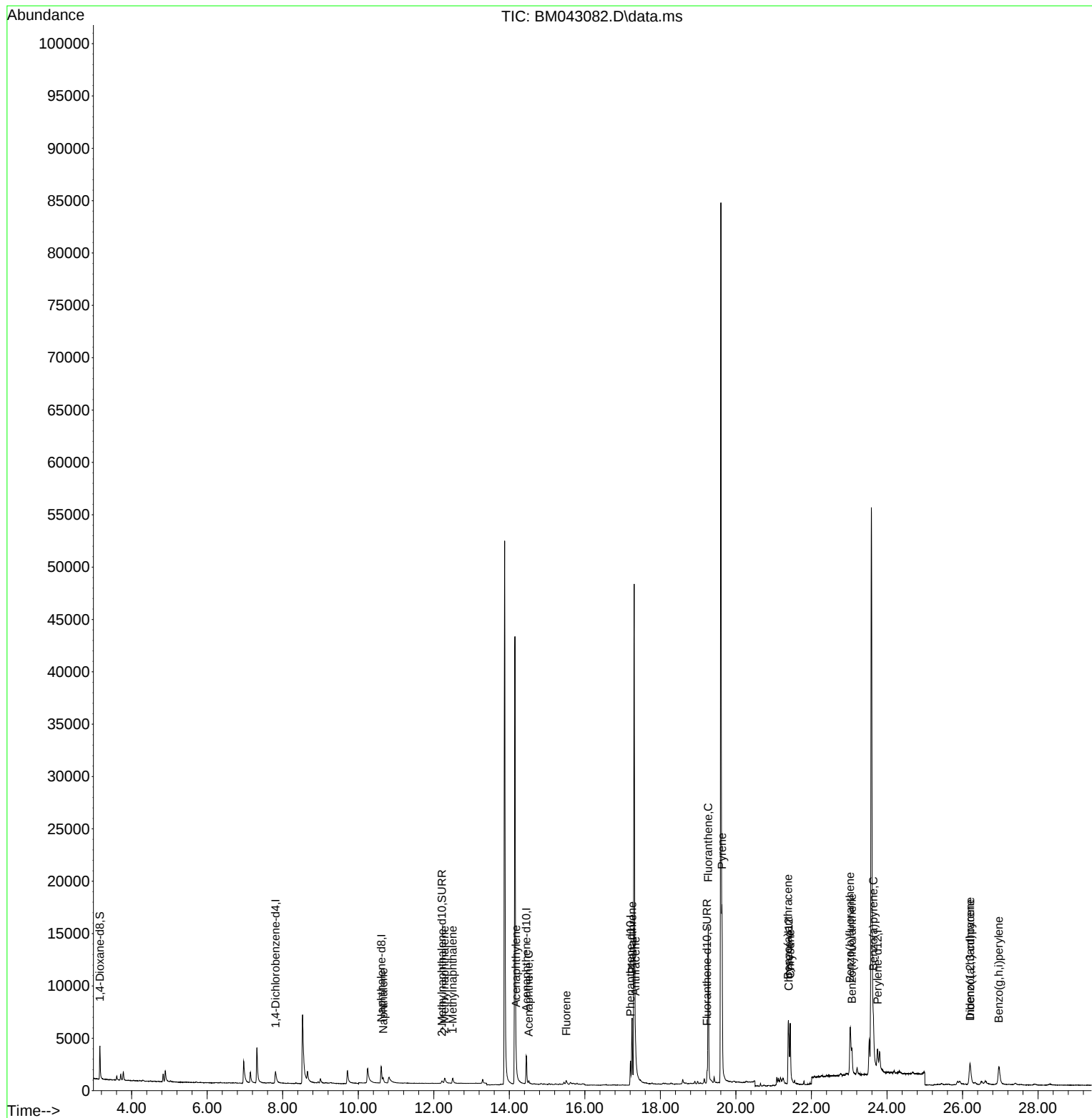
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043082.D
Acq On : 28 Nov 2023 21:22
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ALS Vial : 13 Sample Multiplier: 1

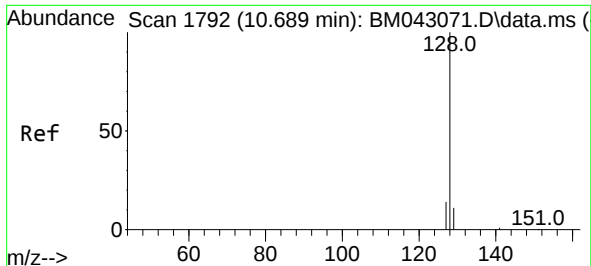
Instrument :
BNA_M
ClientSampleId :
C0AH0

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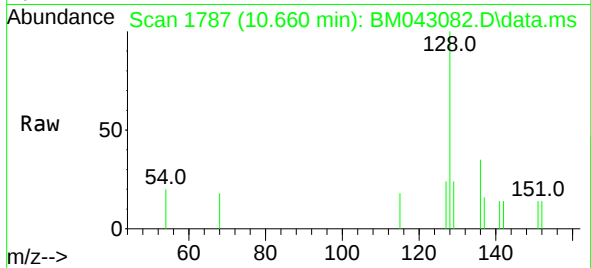
Quant Time: Nov 28 23:40:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.099 ng/ul
RT: 10.660 min Scan# 1787
Delta R.T. -0.038 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

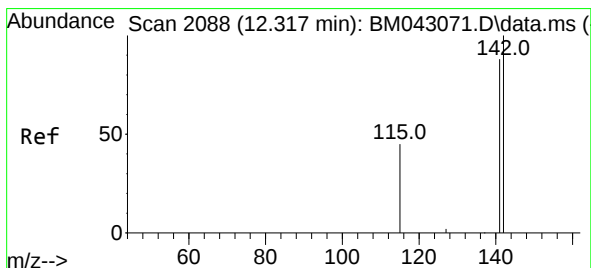
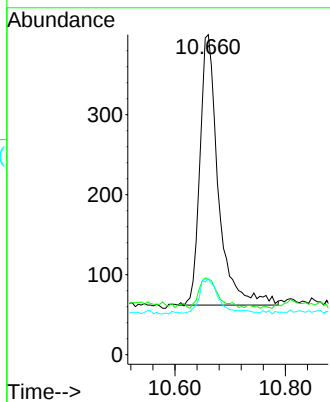
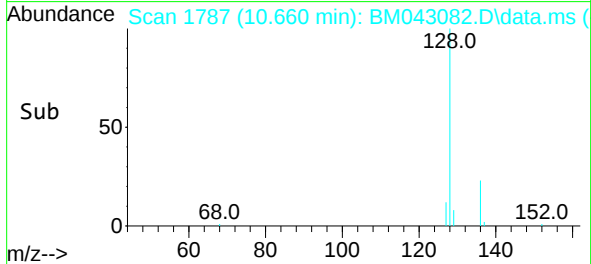
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:128 Resp: 780
Ion Ratio Lower Upper
128 100
129 23.5 16.0 24.0
127 23.8 16.5 24.7

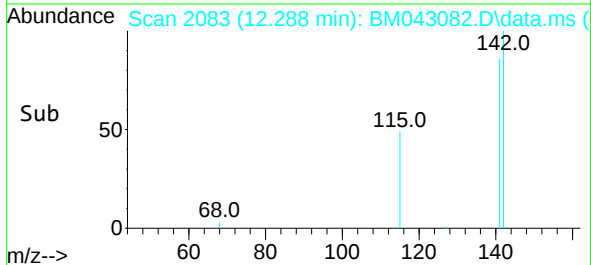
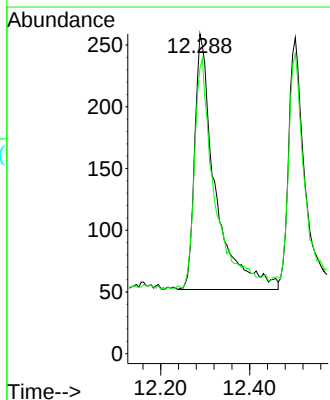
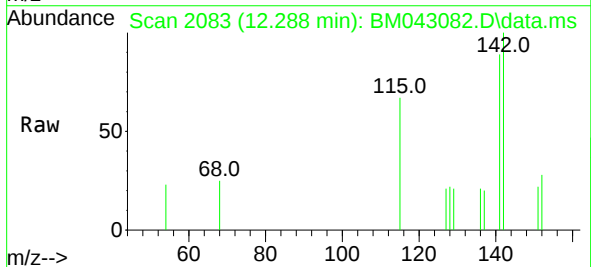
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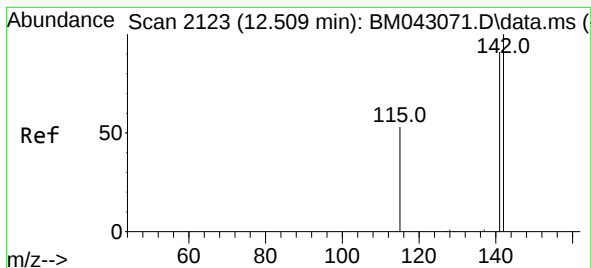
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#7
2-Methylnaphthalene
Concen: 0.144 ng/ul
RT: 12.288 min Scan# 2083
Delta R.T. -0.044 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

Tgt Ion:142 Resp: 664
Ion Ratio Lower Upper
142 100
141 89.5 76.1 114.1





#8

1-Methylnaphthalene

Concen: 0.091 ng/uI

RT: 12.503 min Scan# 2123

Delta R.T. -0.016 min

Lab File: BM043082.D

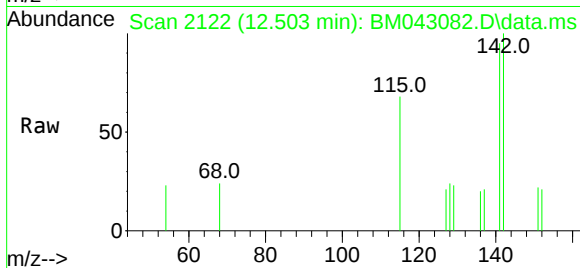
Acq: 28 Nov 2023 21:22

Instrument :

BNA_M

ClientSampleId :

COAH0



Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

142 100

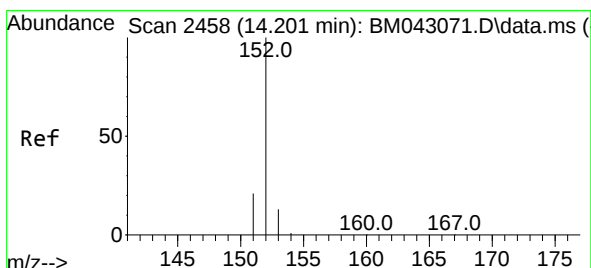
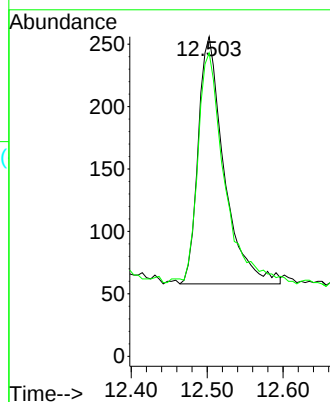
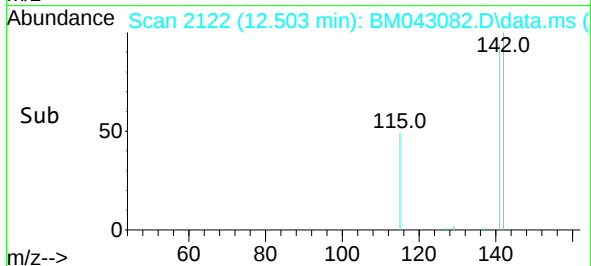
141 94.7 73.8 110.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 11/29/2023



#10

Acenaphthylene

Concen: 0.164 ng/uI

RT: 14.182 min Scan# 2454

Delta R.T. -0.023 min

Lab File: BM043082.D

Acq: 28 Nov 2023 21:22

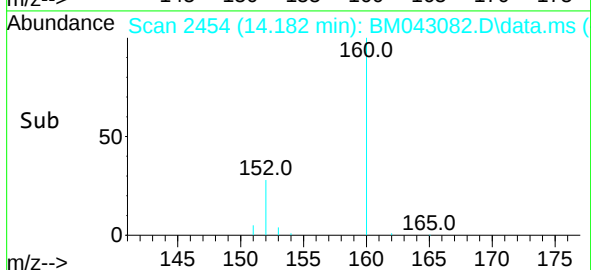
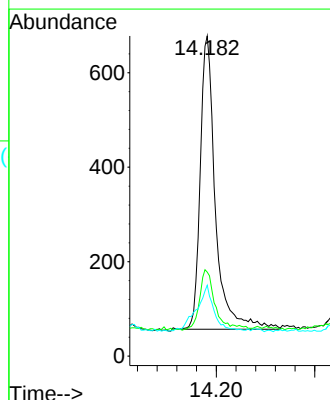
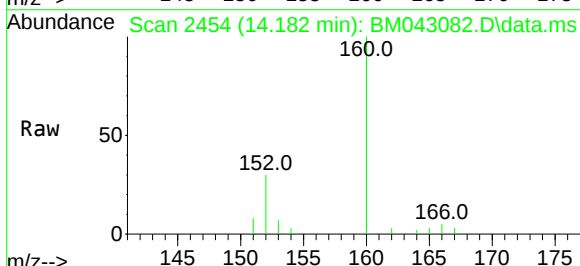
Tgt Ion:152 Resp: 1328

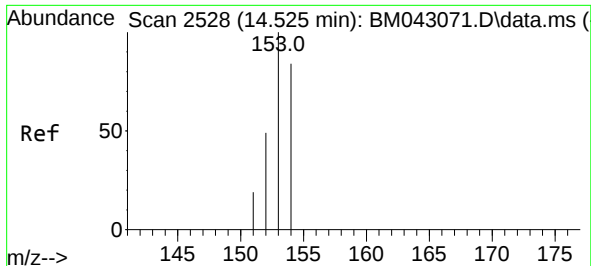
Ion Ratio Lower Upper

152 100

151 26.3 19.4 29.0

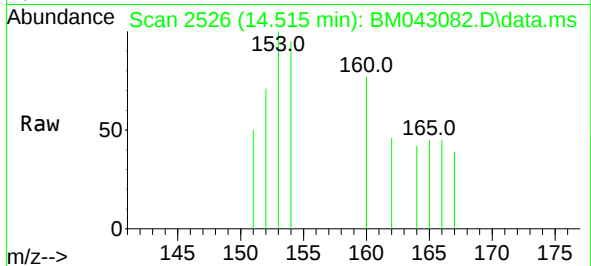
153 22.1 14.6 21.8#





#11
Acenaphthene
Concen: 0.031 ng/uI
RT: 14.515 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

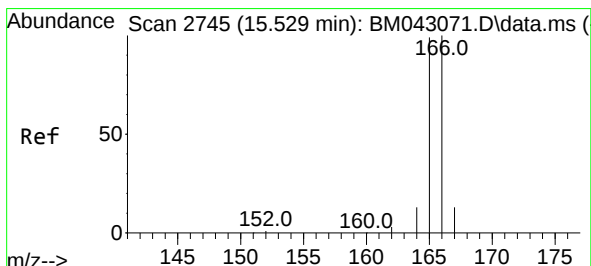
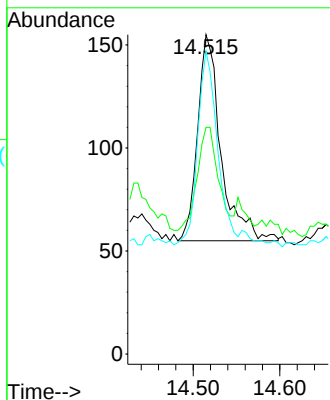
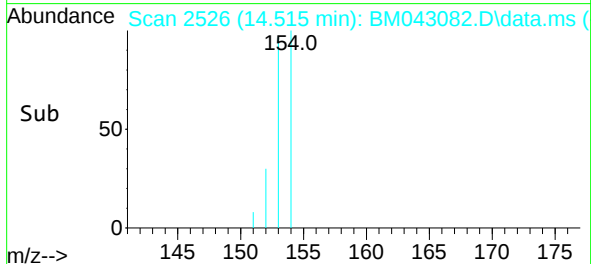
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:153 Resp: 187
Ion Ratio Lower Upper
153 100
152 71.0 43.9 65.9
154 94.8 70.6 105.8

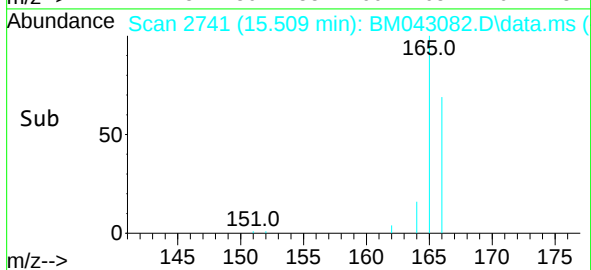
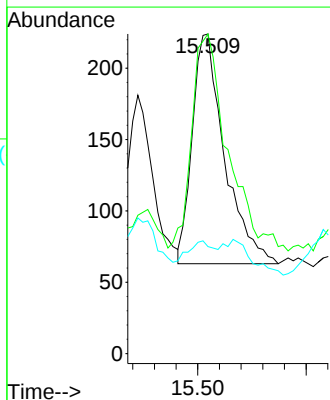
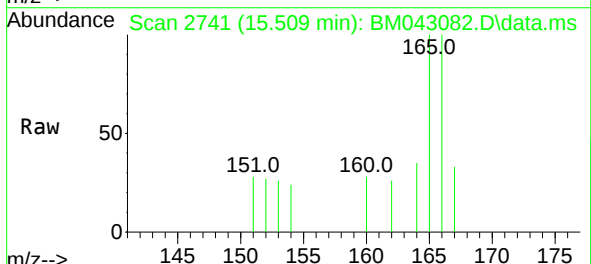
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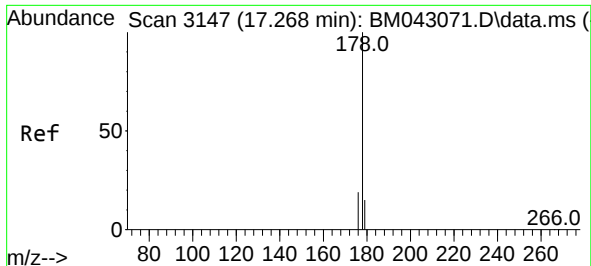
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#12
Fluorene
Concen: 0.053 ng/uI
RT: 15.509 min Scan# 2741
Delta R.T. -0.027 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

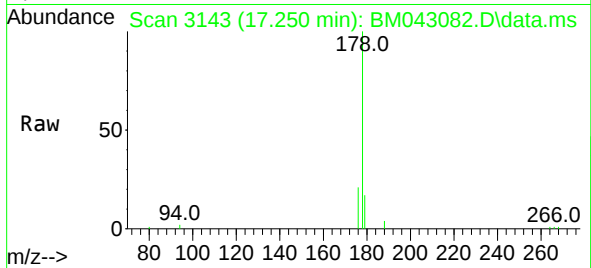
Tgt Ion:166 Resp: 333
Ion Ratio Lower Upper
166 100
165 100.0 79.9 119.9
167 33.5 14.2 21.4





#15
Phenanthrene
Concen: 0.817 ng/ul
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

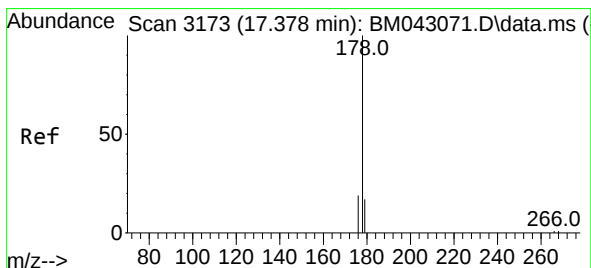
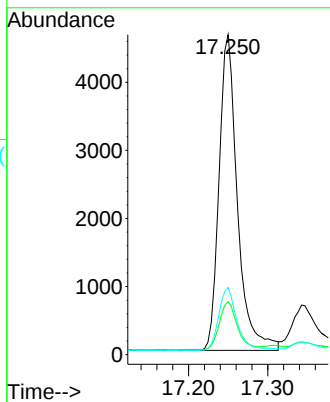
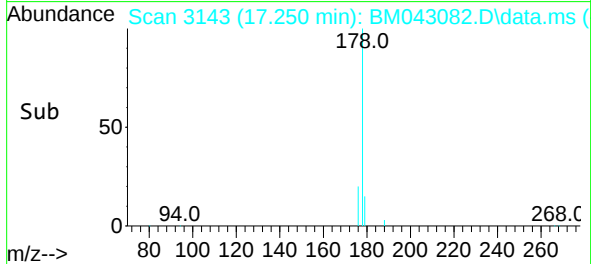
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:178 Resp: 7489
Ion Ratio Lower Upper
178 100
179 16.6 15.7 23.5
176 21.0 18.9 28.3

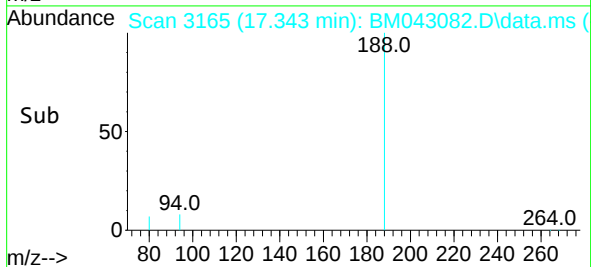
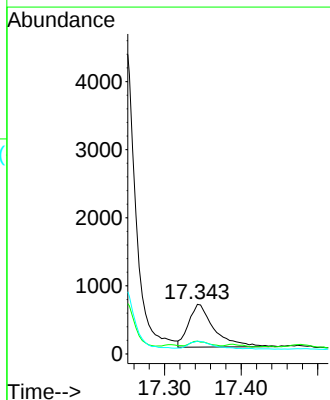
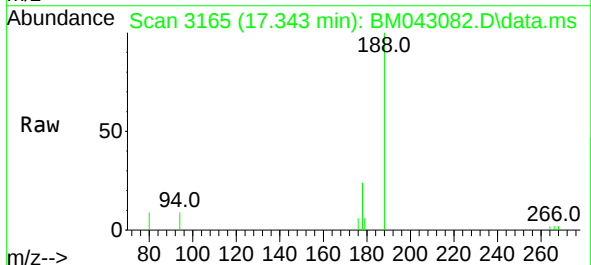
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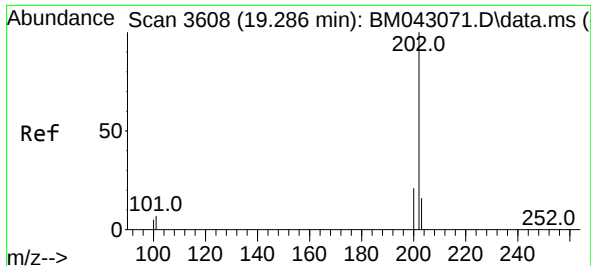
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#16
Anthracene
Concen: 0.167 ng/ul
RT: 17.343 min Scan# 3165
Delta R.T. -0.050 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

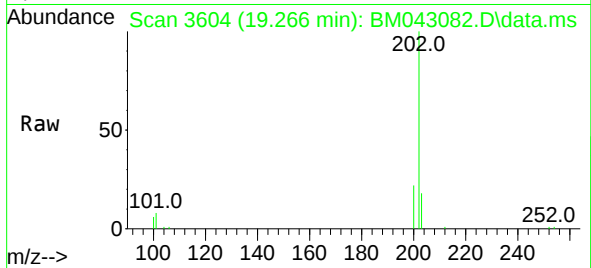
Tgt Ion:178 Resp: 1451
Ion Ratio Lower Upper
178 100
179 25.9 17.3 25.9#
176 25.7 20.5 30.7





#19
Fluoranthene
Concen: 1.062 ng/u1
RT: 19.266 min Scan# 3604
Delta R.T. -0.028 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

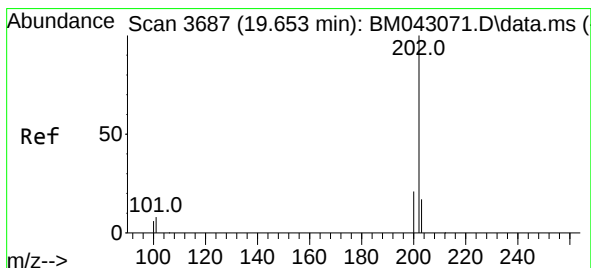
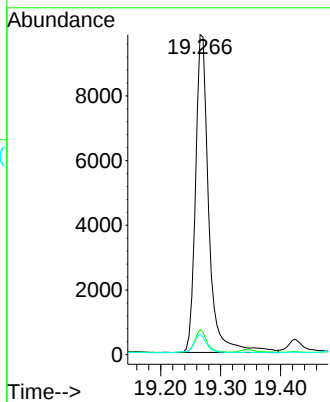
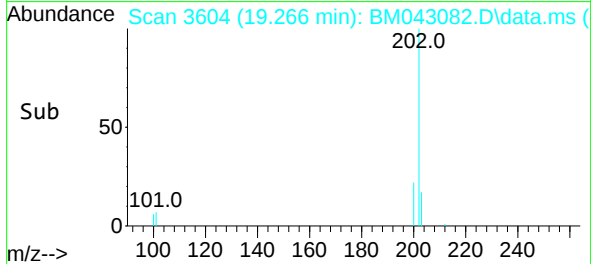
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:202 Resp: 15120
Ion Ratio Lower Upper
202 100
101 7.8 7.8 11.8
100 6.4 7.1 10.7

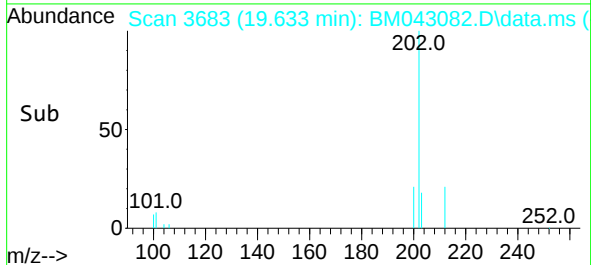
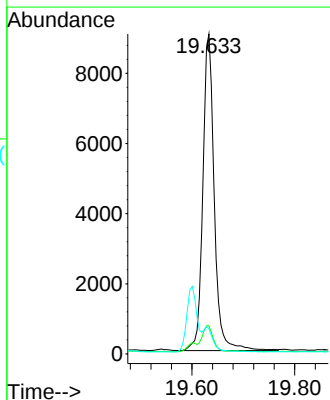
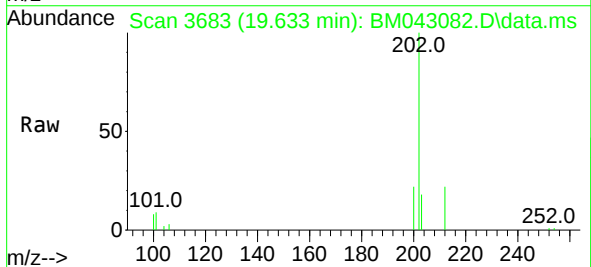
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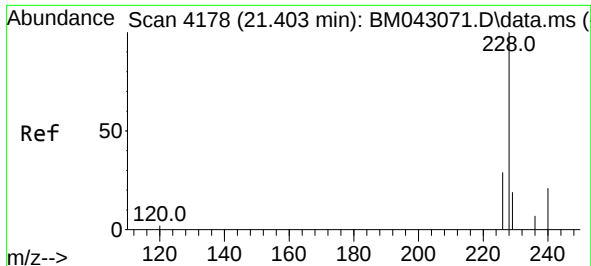
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#20
Pyrene
Concen: 0.919 ng/u1
RT: 19.633 min Scan# 3683
Delta R.T. -0.028 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

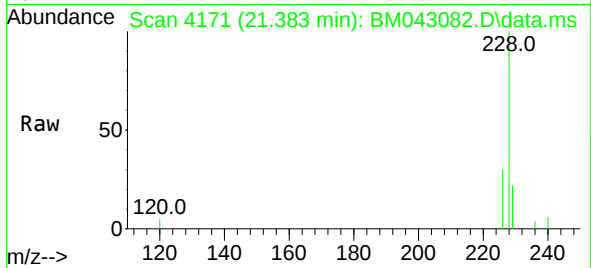
Tgt Ion:202 Resp: 13909
Ion Ratio Lower Upper
202 100
101 8.8 8.7 13.1
100 7.9 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.813 ng/u1
RT: 21.383 min Scan# 4178
Delta R.T. -0.029 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

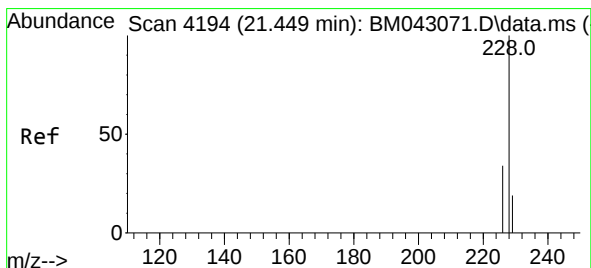
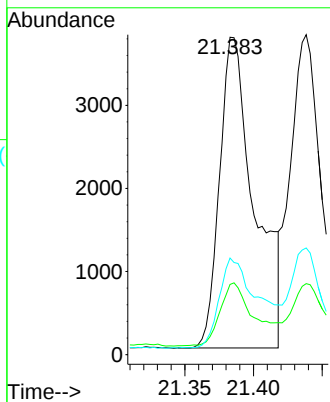
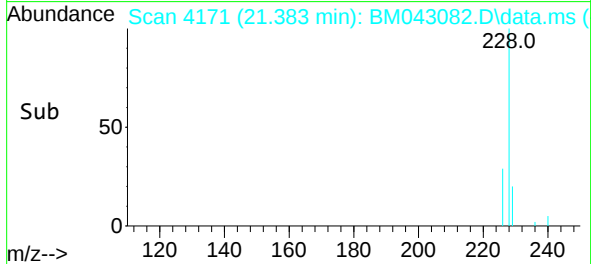
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:228 Resp: 6621
Ion Ratio Lower Upper
228 100
229 22.1 19.4 29.0
226 30.4 24.9 37.3

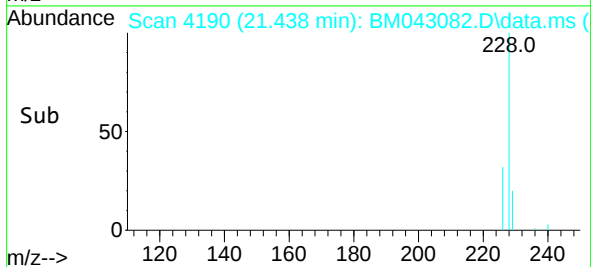
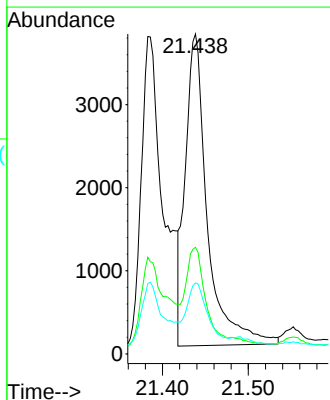
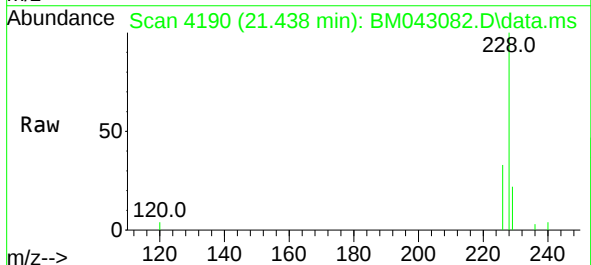
Manual Integrations
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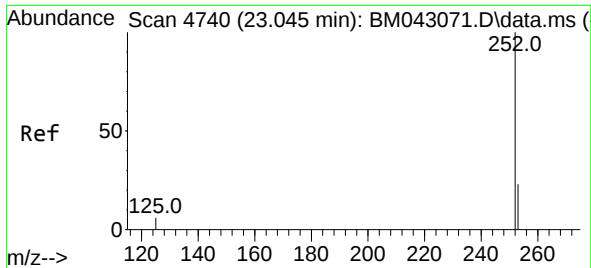
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#22
Chrysene
Concen: 0.440 ng/u1
RT: 21.438 min Scan# 4190
Delta R.T. -0.020 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

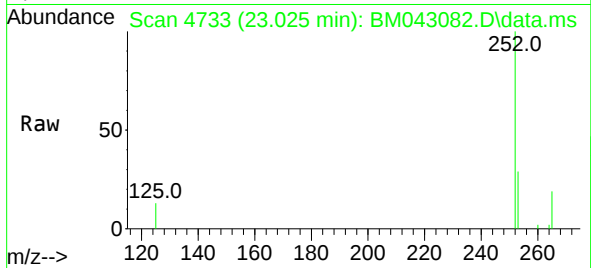
Tgt Ion:228 Resp: 6671
Ion Ratio Lower Upper
228 100
226 33.4 27.2 40.8
229 22.2 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 1.021 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.026 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

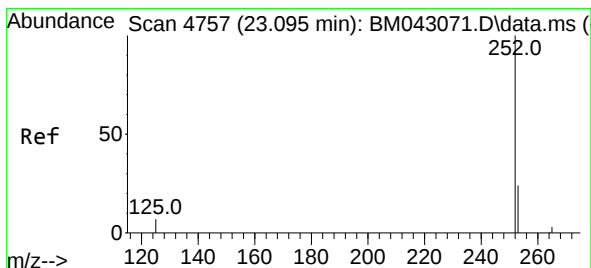
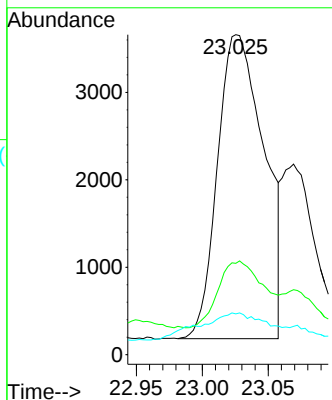
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:252 Resp: 8520
Ion Ratio Lower Upper
252 100
253 28.5 0.0 71.8
125 12.8 0.0 29.0

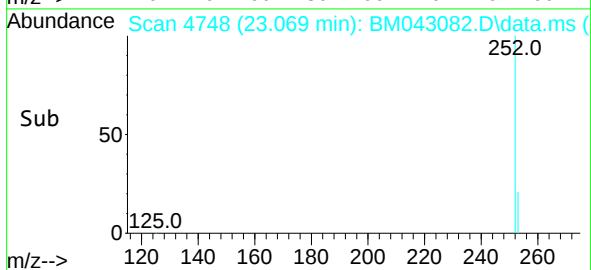
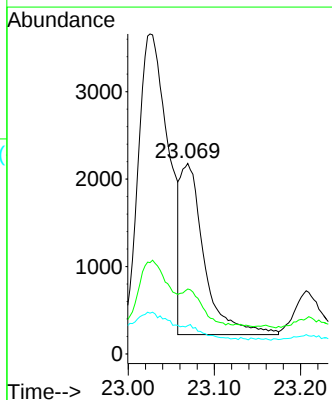
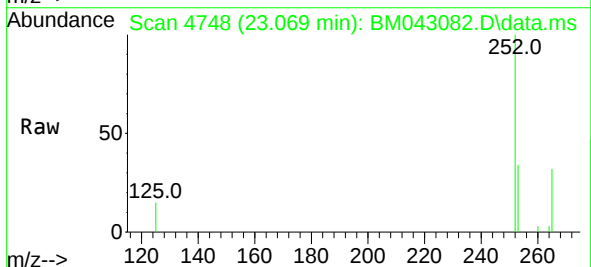
Manual Integrations
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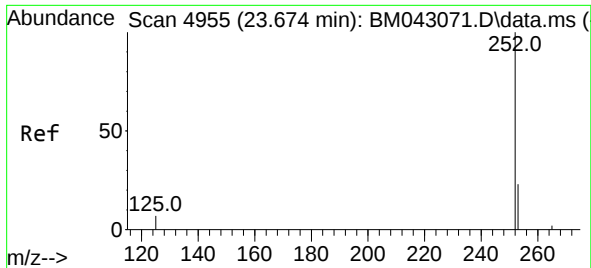
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#25
Benzo(k)fluoranthene
Concen: 0.331 ng/ul m
RT: 23.069 min Scan# 4748
Delta R.T. -0.029 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

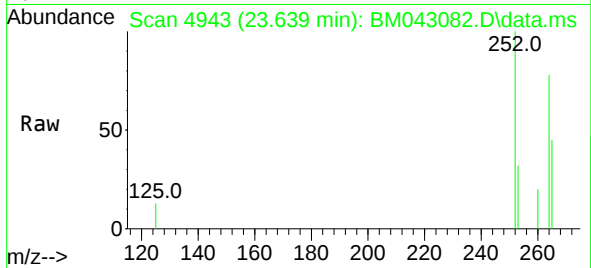
Tgt Ion:252 Resp: 3797
Ion Ratio Lower Upper
252 100
253 34.0 28.2 42.2
125 14.9 11.0 16.6





#26
Benzo(a)pyrene
Concen: 0.575 ng/ul
RT: 23.639 min Scan# 4955
Delta R.T. -0.047 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

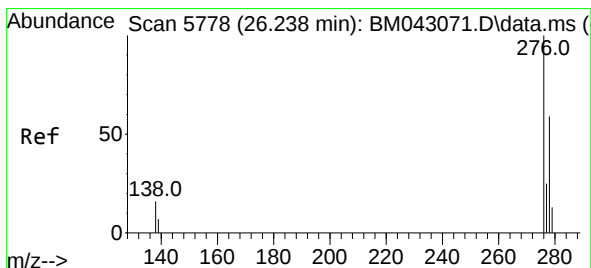
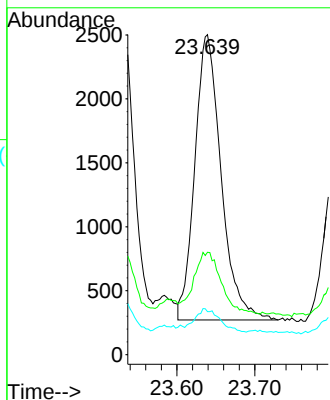
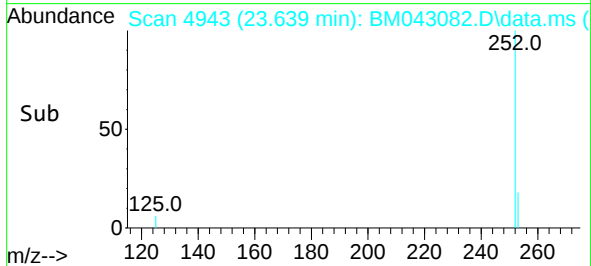
Instrument :
BNA_M
ClientSampleId :
COAH0



Tgt Ion:252 Resp: 523
Ion Ratio Lower Upper
252 100
253 32.0 36.6 55.0#
125 13.4 16.2 24.4#

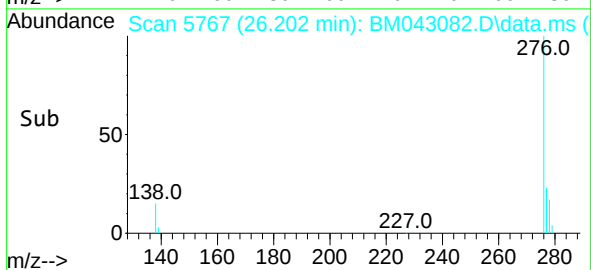
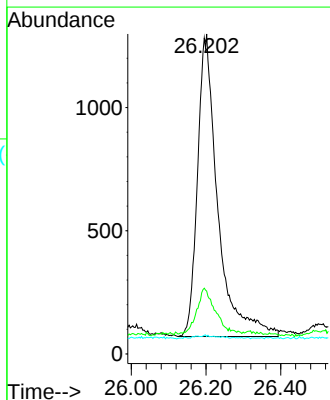
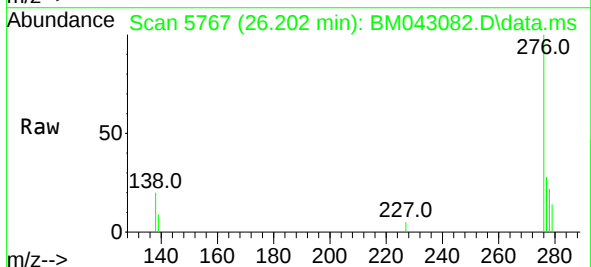
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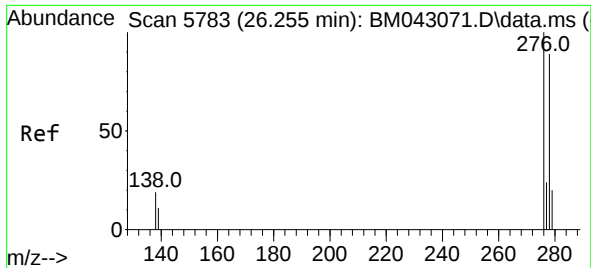
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng/ul
RT: 26.202 min Scan# 5767
Delta R.T. -0.037 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

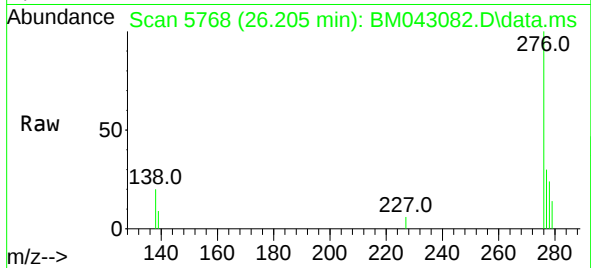
Tgt Ion:276 Resp: 4623
Ion Ratio Lower Upper
276 100
138 13.5 0.0 0.0#
227 0.3 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.110 ng/ul
RT: 26.205 min Scan# 51
Delta R.T. -0.070 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22

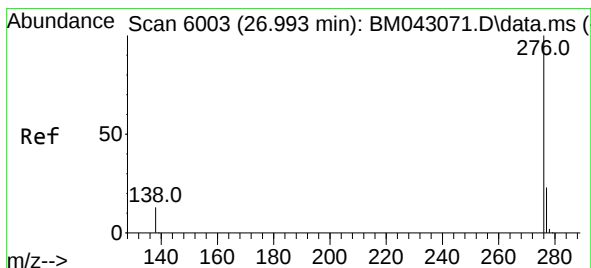
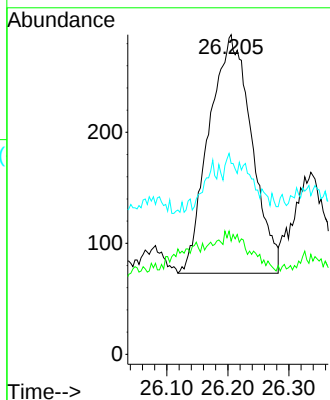
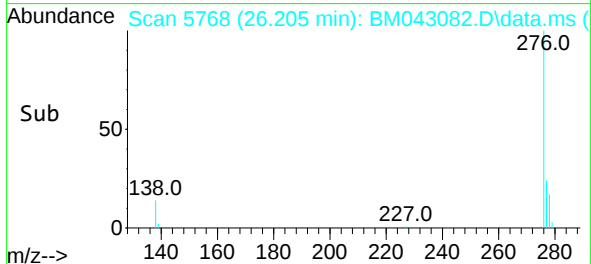
Instrument :
BNA_M
ClientSampleId :
C0AH0



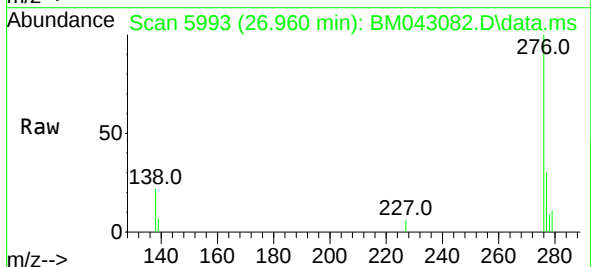
Tgt Ion:278 Resp: 104
Ion Ratio Lower Upper
278 100
139 35.4 18.1 27.1
279 59.7 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#29
Benzo(g,h,i)perylene
Concen: 0.379 ng/ul
RT: 26.960 min Scan# 5993
Delta R.T. -0.050 min
Lab File: BM043082.D
Acq: 28 Nov 2023 21:22



Tgt Ion:276 Resp: 4540
Ion Ratio Lower Upper
276 100
138 22.3 17.8 26.8
277 29.8 23.8 35.8

