

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044130.D
 Acq On : 16 Feb 2024 09:42
 Operator : MA/JU
 Sample : P1305-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FP6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 16 22:38:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	10653	0.400	ng/ul	0.00
4) Naphthalene-d8	10.699	136	35486	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	18302	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.297	188	36185m	0.400	ng/ul	0.00
17) Chrysene-d12	21.499	240	17748m	0.400	ng/ul	0.00
23) Perylene-d12	23.890	264	18604m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.356	96	70784	4.692	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	16220	0.326	ng/ul	0.00
18) Fluoranthene-d10	19.327	212	26599m	0.502	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.748	128	20592	0.195	ng/ul	100
7) 2-Methylnaphthalene	12.365	142	18144	0.279	ng/ul	100
8) 1-Methylnaphthalene	12.585	142	8178	0.124	ng/ul	98
10) Acenaphthylene	14.266	152	8362	0.083	ng/ul#	93
11) Acenaphthene	14.604	153	54926	0.753	ng/ul	99
12) Fluorene	15.594	166	57475	0.699	ng/ul	98
14) Pentachlorophenol	16.942	266	682	0.053	ng/ul	99
15) Phenanthrene	17.339	178	1444933m	12.600	ng/ul	
16) Anthracene	17.428	178	214726	1.892	ng/ul	100
19) Fluoranthene	19.360	202	2611583m	32.277	ng/ul	
20) Pyrene	19.727	202	2180102	25.620	ng/ul	97
21) Benzo(a)anthracene	21.481	228	928738m	11.427	ng/ul	
22) Chrysene	21.534	228	921233m	10.513	ng/ul	
24) Benzo(b)fluoranthene	23.165	252	998836m	13.010	ng/ul	
25) Benzo(k)fluoranthene	23.209	252	362351m	4.348	ng/ul	
26) Benzo(a)pyrene	23.785	252	625035m	8.759	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.365	276	354797m	3.905	ng/ul	
28) Dibenzo(a,h)anthracene	26.385	278	94067m	1.315	ng/ul	
29) Benzo(g,h,i)perylene	27.127	276	327646m	4.077	ng/ul	

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

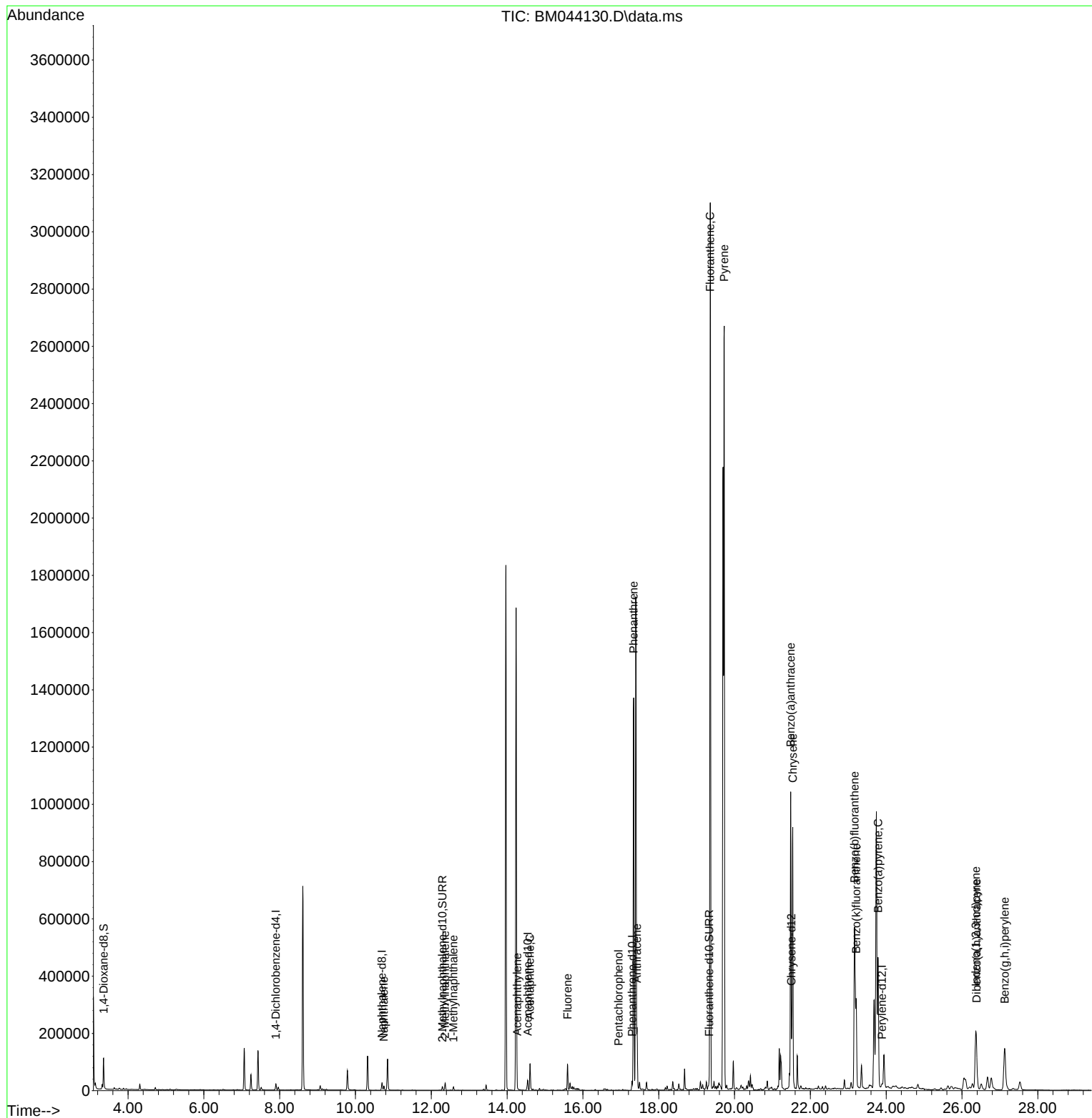
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044130.D
Acq On : 16 Feb 2024 09:42
Operator : MA/JU
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Misc :
ALS Vial : 40 Sample Multiplier: 1

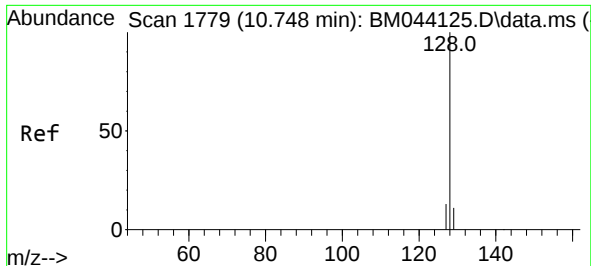
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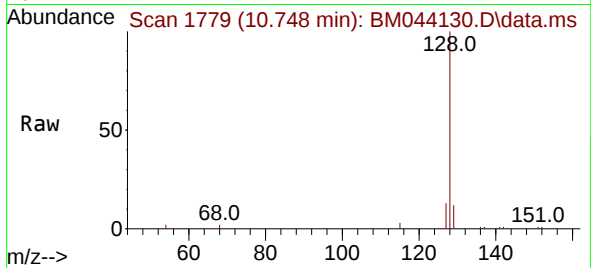
Quant Time: Feb 16 22:38:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.195 ng/ul
RT: 10.748 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

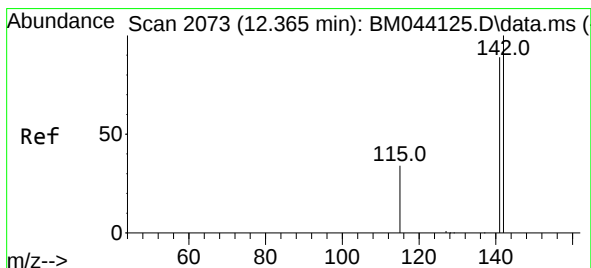
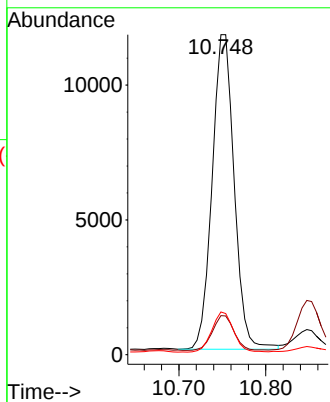
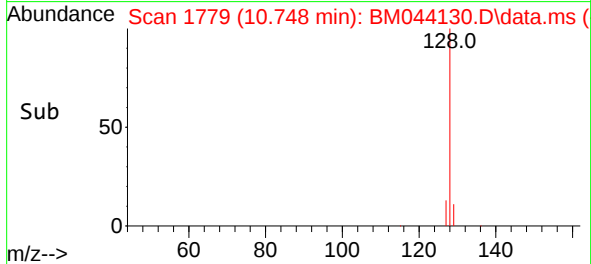
Instrument :
BNA_M
ClientSampleId :
C0FP6



Tgt Ion:128 Resp: 20592
Ion Ratio Lower Upper
128 100
129 12.2 9.5 14.3
127 13.3 10.7 16.1

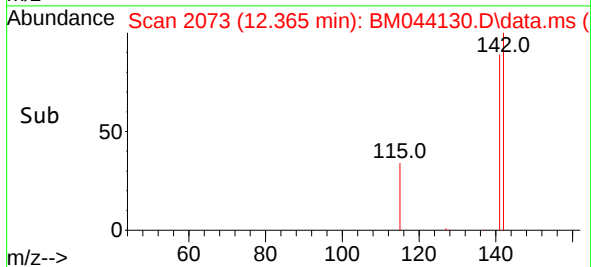
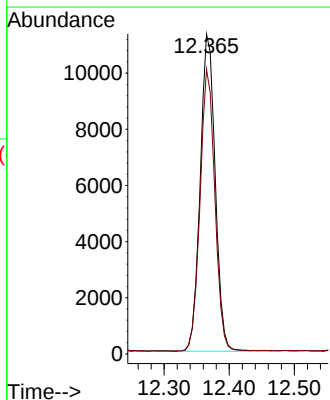
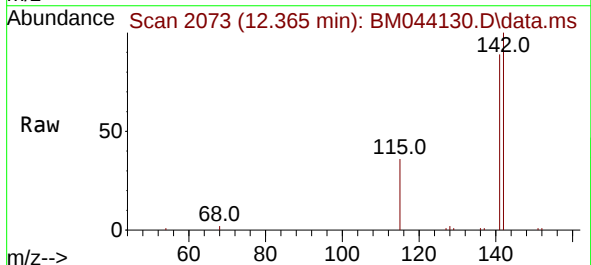
Manual Integrations
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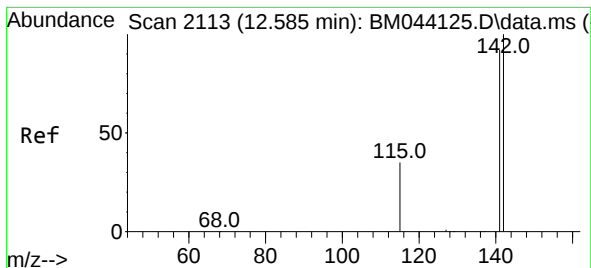
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#7
2-Methylnaphthalene
Concen: 0.279 ng/ul
RT: 12.365 min Scan# 2073
Delta R.T. -0.006 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

Tgt Ion:142 Resp: 18144
Ion Ratio Lower Upper
142 100
141 87.7 70.0 105.0





#8

1-Methylnaphthalene

Concen: 0.124 ng/ul

RT: 12.585 min Scan# 2113

Delta R.T. -0.006 min

Lab File: BM044130.D

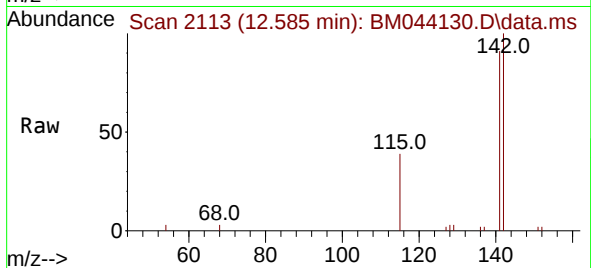
Acq: 16 Feb 2024 09:42

Instrument :

BNA_M

ClientSampleId :

C0FP6



Tgt Ion:142 Resp: 8178

Ion Ratio Lower Upper

142 100

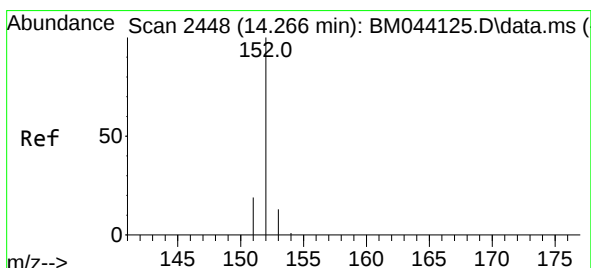
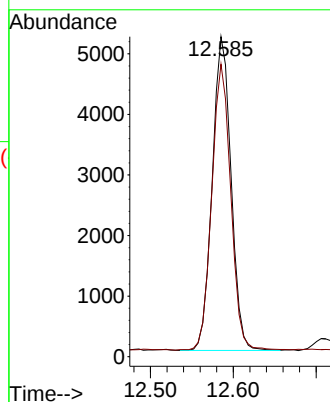
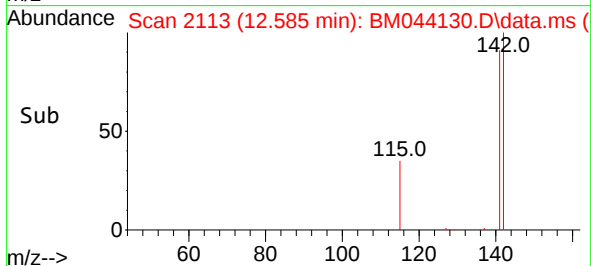
141 92.1 72.5 108.7

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#10

Acenaphthylene

Concen: 0.083 ng/ul

RT: 14.266 min Scan# 2448

Delta R.T. -0.004 min

Lab File: BM044130.D

Acq: 16 Feb 2024 09:42

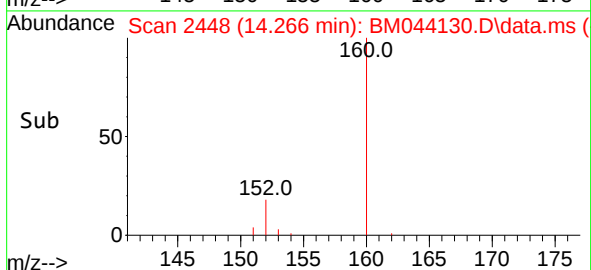
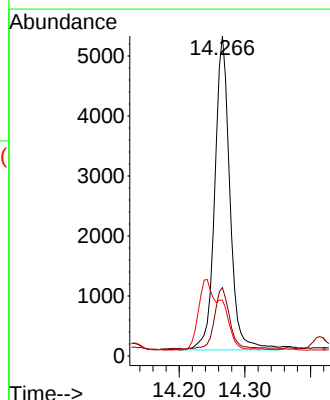
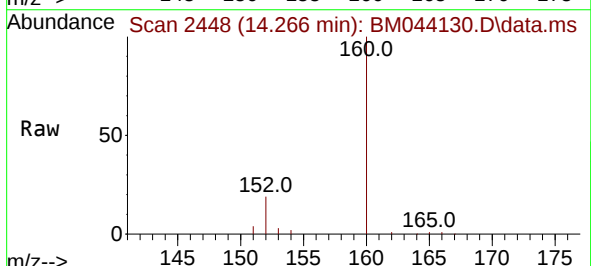
Tgt Ion:152 Resp: 8362

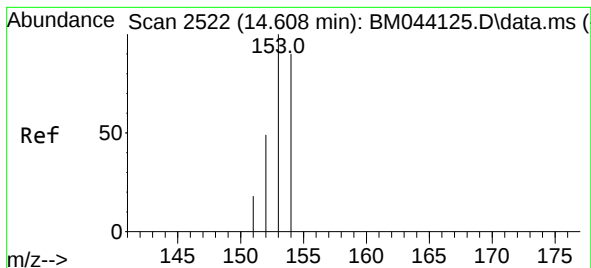
Ion Ratio Lower Upper

152 100

151 21.3 15.5 23.3

153 17.5 10.8 16.2#





#11

Acenaphthene

Concen: 0.753 ng/u1

RT: 14.604 min Scan# 21

Delta R.T. -0.004 min

Lab File: BM044130.D

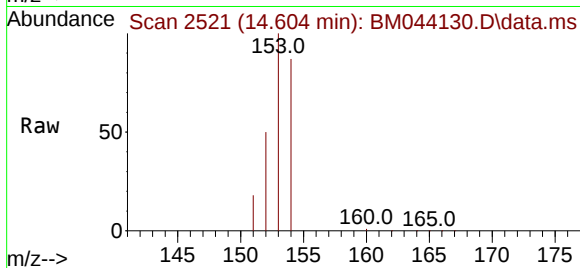
Acq: 16 Feb 2024 09:42

Instrument :

BNA_M

ClientSampleId :

C0FP6



Tgt Ion:153 Resp: 54920

Ion Ratio Lower Upper

153 100

152 49.5 40.6 61.0

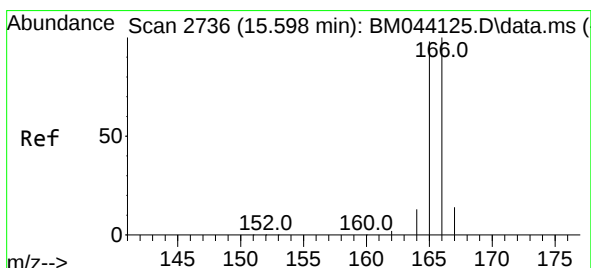
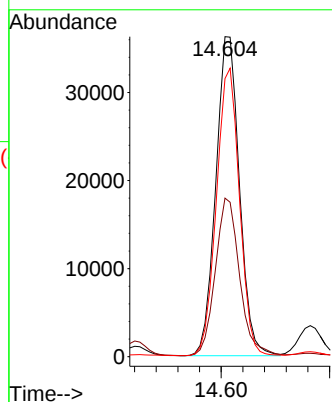
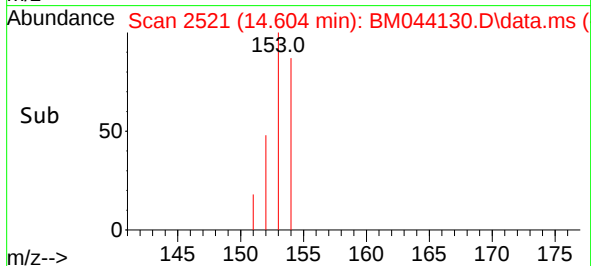
154 86.9 70.1 105.1

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#12

Fluorene

Concen: 0.699 ng/u1

RT: 15.594 min Scan# 2735

Delta R.T. -0.004 min

Lab File: BM044130.D

Acq: 16 Feb 2024 09:42

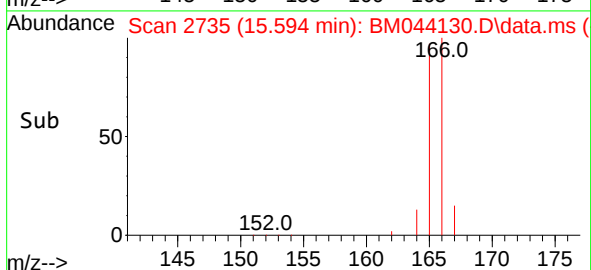
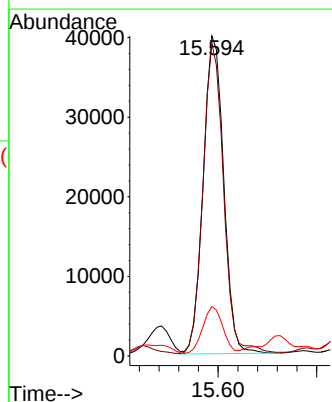
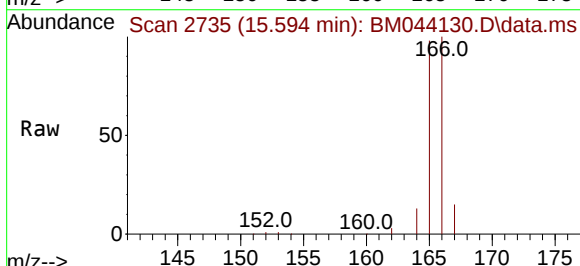
Tgt Ion:166 Resp: 57475

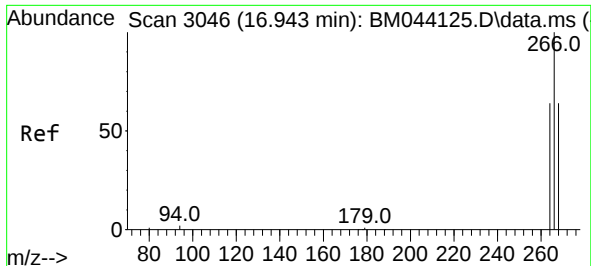
Ion Ratio Lower Upper

166 100

165 97.7 79.8 119.6

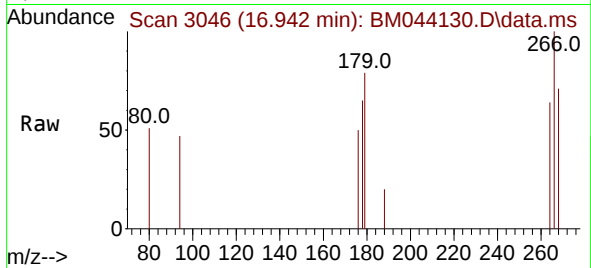
167 15.5 11.1 16.7





#14
Pentachlorophenol
Concen: 0.053 ng/ul
RT: 16.942 min Scan# 3046
Delta R.T. -0.003 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

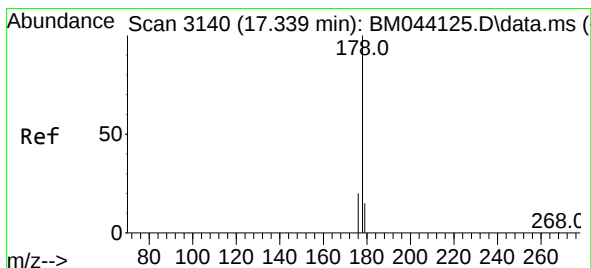
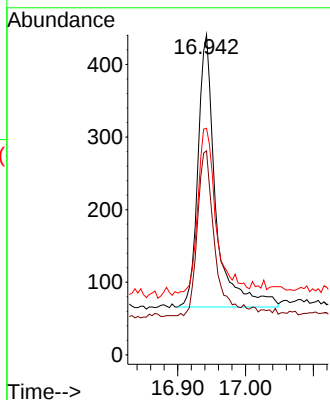
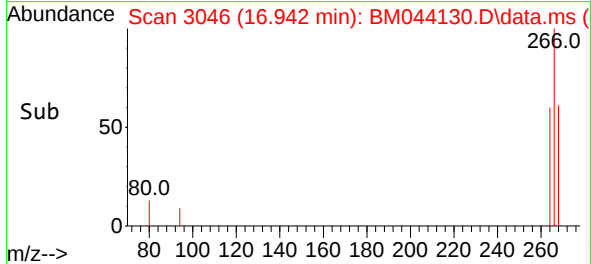
Instrument :
BNA_M
ClientSampleId :
C0FP6



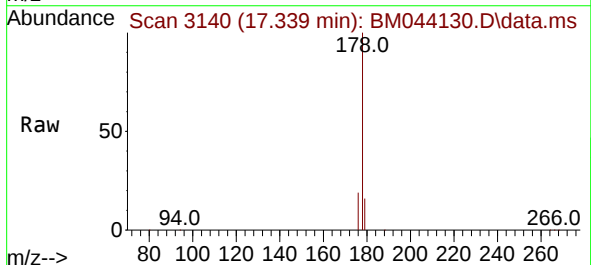
Tgt Ion:266 Resp: 682
Ion Ratio Lower Upper
266 100
264 62.0 49.4 74.0
268 66.4 52.1 78.1

Manual Integrations
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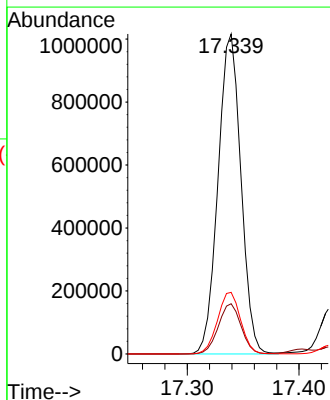
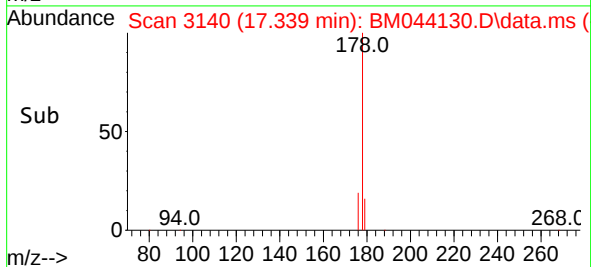
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

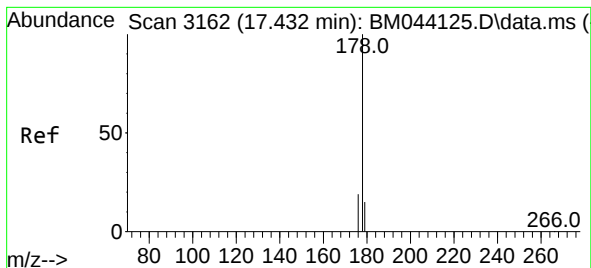


#15
Phenanthrene
Concen: 12.600 ng/ul m
RT: 17.339 min Scan# 3140
Delta R.T. 0.001 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42



Tgt Ion:178 Resp: 1444933
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.3 16.0 24.0





#16

Anthracene

Concen: 1.892 ng/ul

RT: 17.428 min Scan# 3161

Delta R.T. -0.008 min

Lab File: BM044130.D

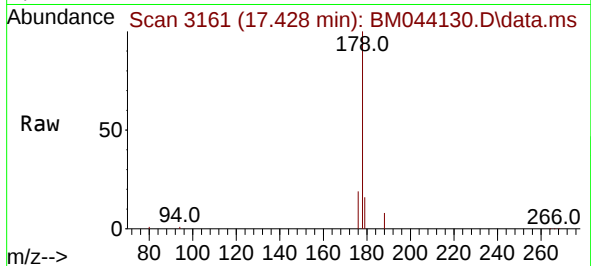
Acq: 16 Feb 2024 09:42

Instrument :

BNA_M

ClientSampleId :

C0FP6



Tgt Ion:178 Resp: 214720

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

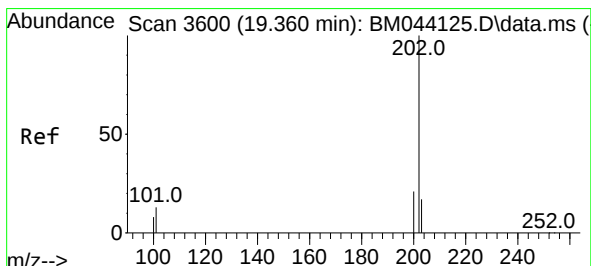
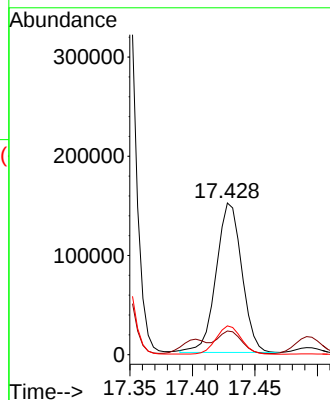
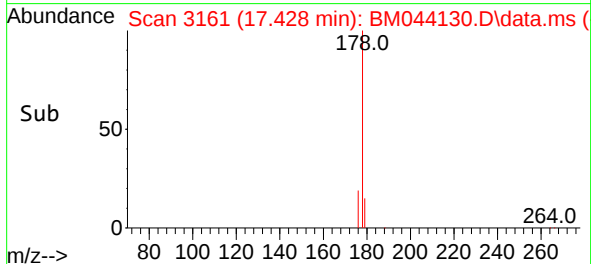
176 19.0 15.3 22.9

Manual Integrations

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#19

Fluoranthene

Concen: 32.277 ng/ul m

RT: 19.360 min Scan# 3600

Delta R.T. -0.004 min

Lab File: BM044130.D

Acq: 16 Feb 2024 09:42

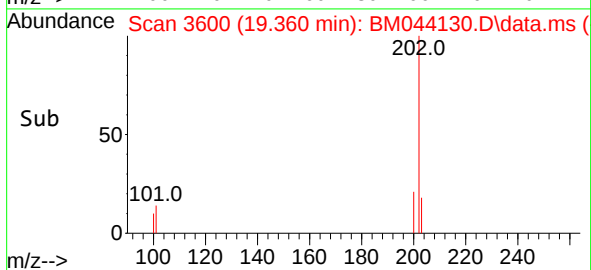
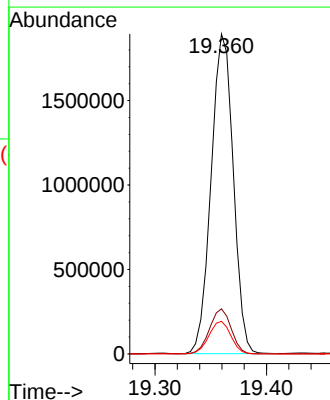
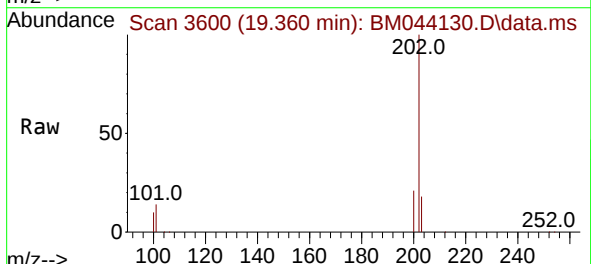
Tgt Ion:202 Resp: 2611583

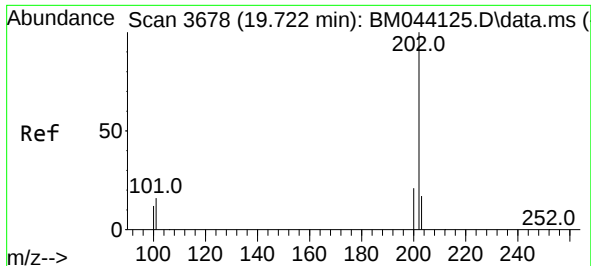
Ion Ratio Lower Upper

202 100

101 14.1 9.8 14.6

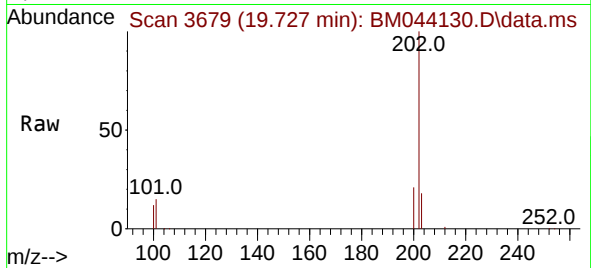
100 10.2 7.0 10.4





#20
Pyrene
Concen: 25.620 ng/ul
RT: 19.727 min Scan# 30
Delta R.T. 0.001 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

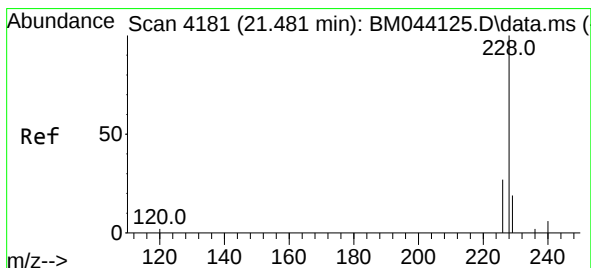
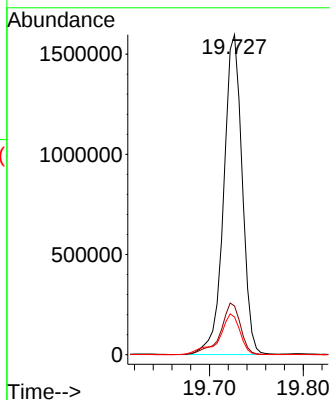
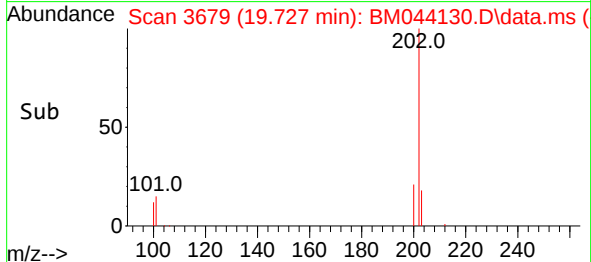
Instrument :
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ClientSampleId :
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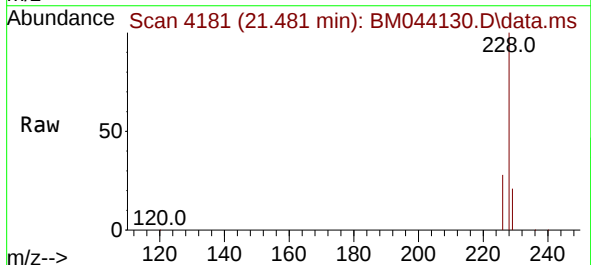
Tgt Ion:202 Resp: 218010
Ion Ratio Lower Upper
202 100
101 15.2 11.2 16.8
100 11.7 8.6 13.0

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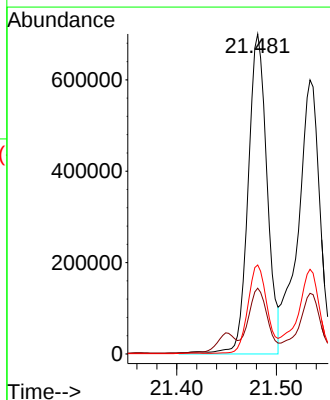
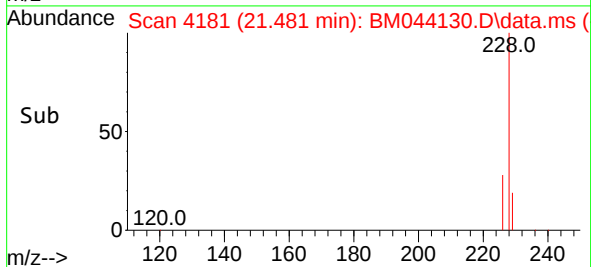
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

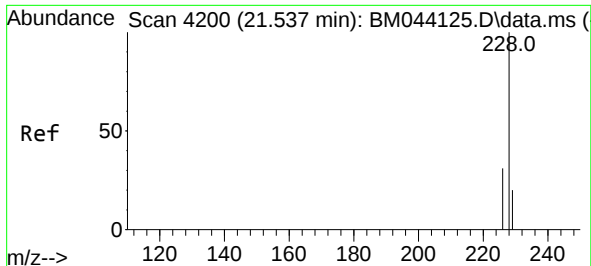


#21
Benzo(a)anthracene
Concen: 11.427 ng/ul m
RT: 21.481 min Scan# 4181
Delta R.T. -0.004 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42



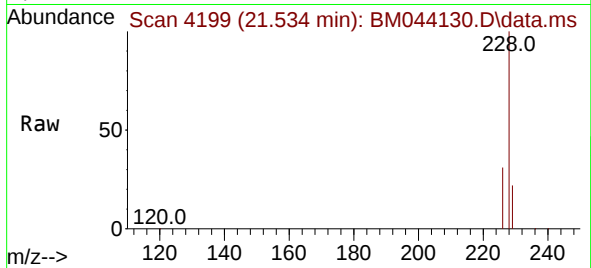
Tgt Ion:228 Resp: 928738
Ion Ratio Lower Upper
228 100
229 20.5 15.4 23.2
226 27.8 22.1 33.1





#22
Chrysene
Concen: 10.513 ng/ul m
RT: 21.534 min Scan# 4199
Delta R.T. -0.004 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

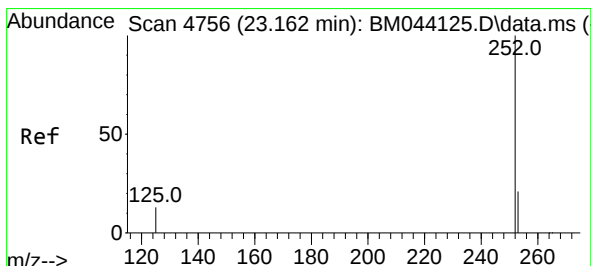
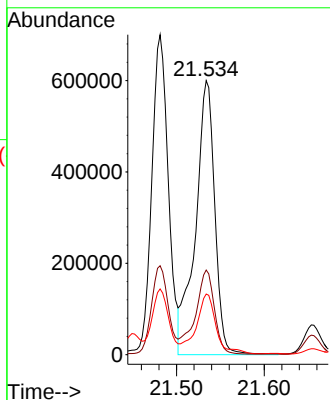
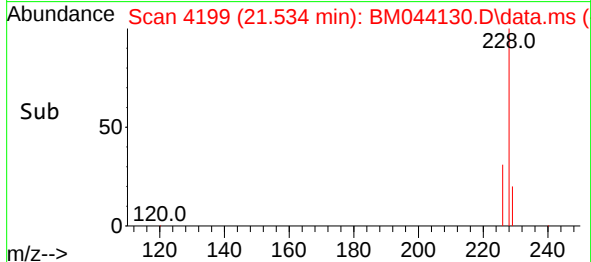
Instrument :
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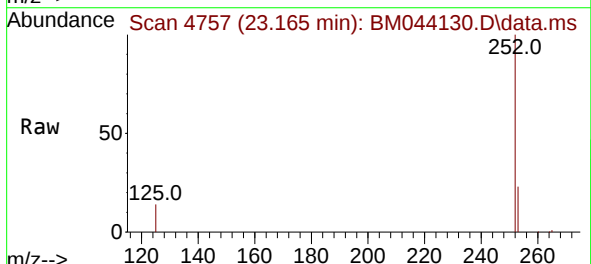
Tgt Ion:228 Resp: 921233
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 22.1 15.8 23.6

Manual Integrations
APPROVED

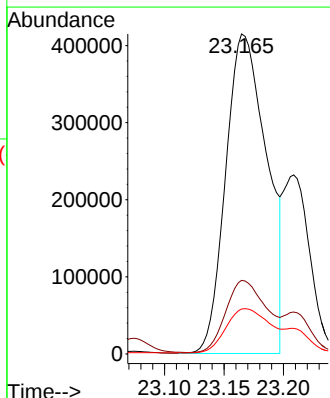
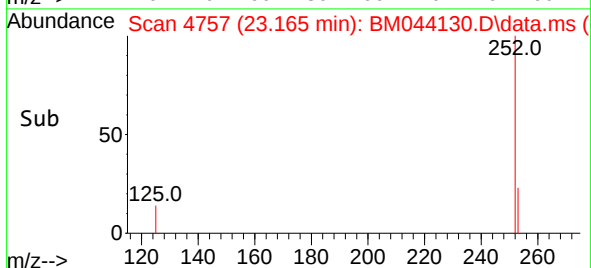
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

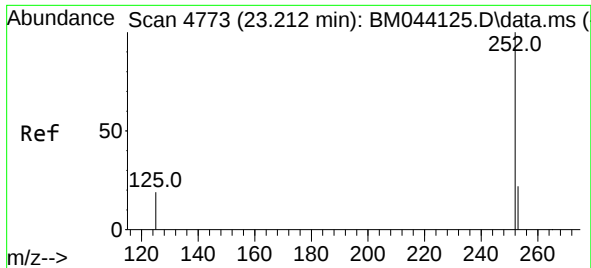


#24
Benzo(b)fluoranthene
Concen: 13.010 ng/ul m
RT: 23.165 min Scan# 4757
Delta R.T. 0.002 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42



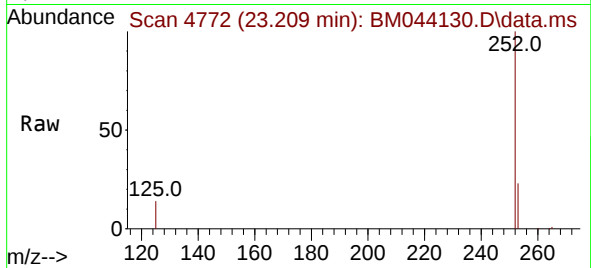
Tgt Ion:252 Resp: 998836
Ion Ratio Lower Upper
252 100
253 23.0 0.0 50.0
125 14.0 0.0 28.2





#25
Benzo(k)fluoranthene
Concen: 4.348 ng/ul m
RT: 23.209 min Scan# 4772
Delta R.T. -0.004 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

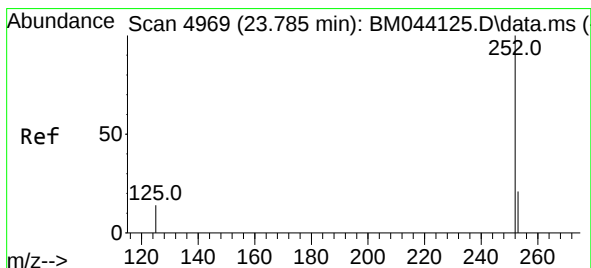
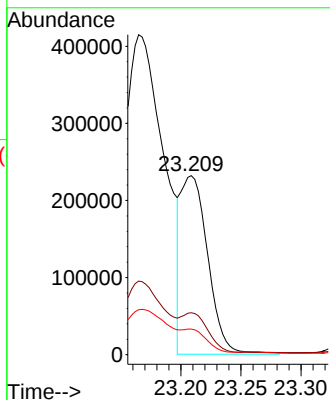
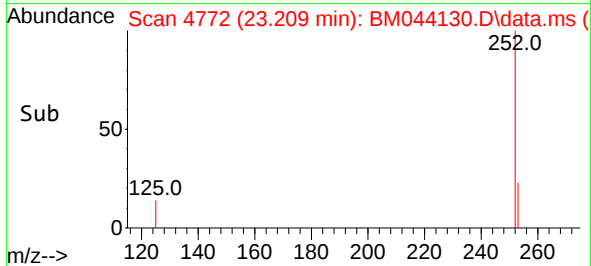
Instrument :
BNA_M
ClientSampleId :
C0FP6



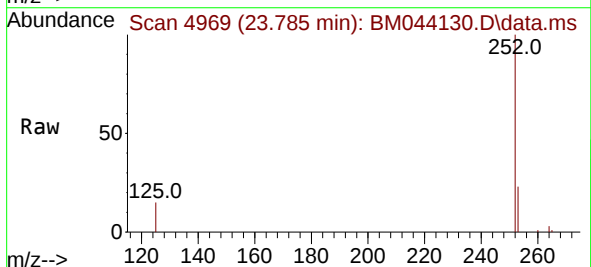
Tgt Ion:252 Resp: 36235
Ion Ratio Lower Upper
252 100
253 23.4 20.1 30.1
125 14.3 12.3 18.5

Manual Integrations
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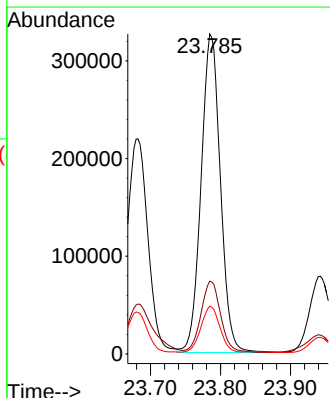
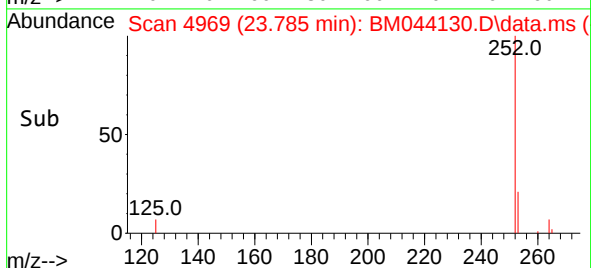
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

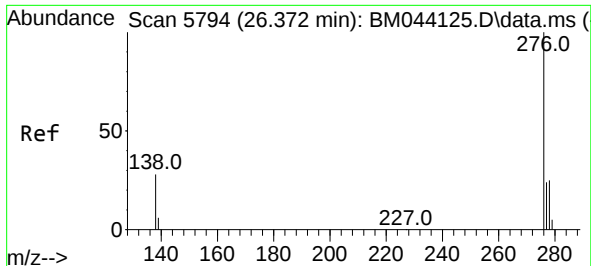


#26
Benzo(a)pyrene
Concen: 8.759 ng/ul m
RT: 23.785 min Scan# 4969
Delta R.T. -0.001 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42



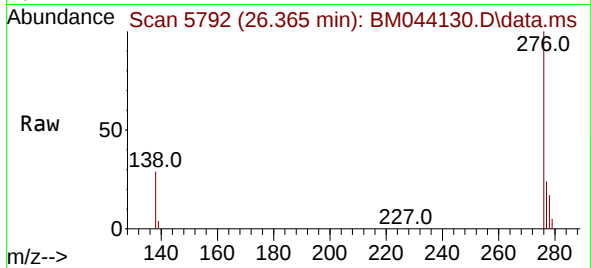
Tgt Ion:252 Resp: 625035
Ion Ratio Lower Upper
252 100
253 22.8 21.4 32.2
125 15.0 13.3 19.9





#27
Indeno(1,2,3-cd)pyrene
Concen: 3.905 ng/ul m
RT: 26.365 min Scan# 5792
Delta R.T. -0.004 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

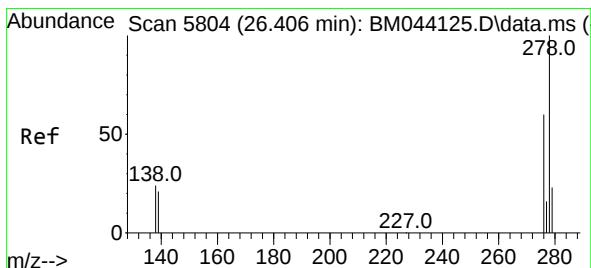
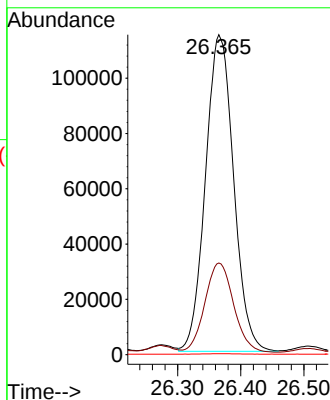
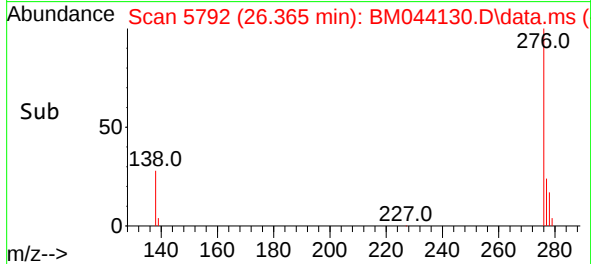
Instrument :
BNA_M
ClientSampleId :
C0FP6



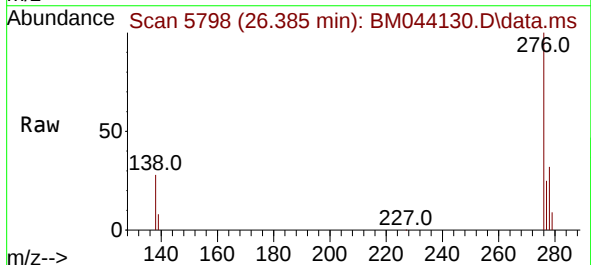
Tgt Ion:276 Resp: 35479
Ion Ratio Lower Upper
276 100
138 3.3 25.2 37.8
227 0.1 0.1 0.1

Manual Integrations
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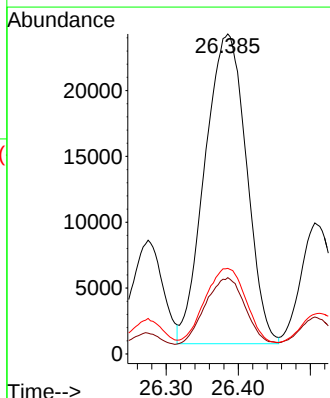
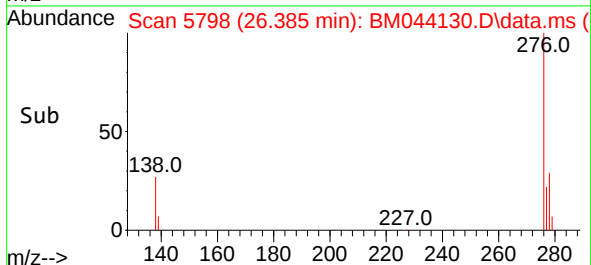
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

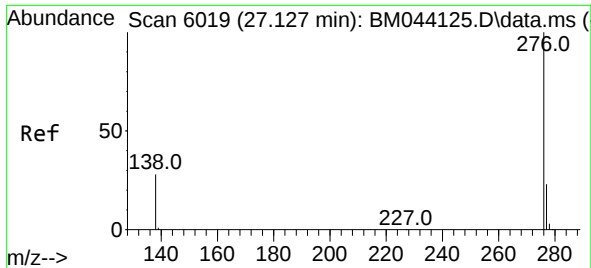


#28
Dibenzo(a,h)anthracene
Concen: 1.315 ng/ul m
RT: 26.385 min Scan# 5798
Delta R.T. -0.024 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42



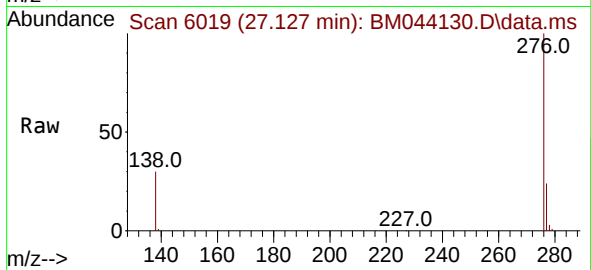
Tgt Ion:278 Resp: 94067
Ion Ratio Lower Upper
278 100
139 23.9 17.8 26.8
279 26.8 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 4.077 ng/ul m
RT: 27.127 min Scan# 6019
Delta R.T. -0.001 min
Lab File: BM044130.D
Acq: 16 Feb 2024 09:42

Instrument :
BNA_M
ClientSampleId :
C0FP6



Tgt Ion:276 Resp: 327640
Ion Ratio Lower Upper
276 100
138 29.5 22.7 34.1
277 23.8 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

