

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021924\
 Data File : BM044177.D
 Acq On : 19 Feb 2024 14:42
 Operator : MA/JU
 Sample : P1305-05DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FP6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/20/2024
 Supervised By :mohammad ahmed 02/21/2024

Quant Time: Feb 19 15:12:23 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	7.896	152	5778	0.400	ng/ul	0.00
4) Naphthalene-d8	10.699	136	16872	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	7726	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.292	188	15730	0.400	ng/ul	0.00
17) Chrysene-d12	21.494	240	12462	0.400	ng/ul	0.00
23) Perylene-d12	23.882	264	15833	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	8155	0.997	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	1406	0.060	ng/ul	0.00
18) Fluoranthene-d10	19.326	212	2745	0.074	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.749	128	1995	0.040	ng/ul#	89
7) 2-Methylnaphthalene	12.365	142	1604	0.052	ng/ul	98
8) 1-Methylnaphthalene	12.585	142	751	0.024	ng/ul	99
10) Acenaphthylene	14.261	152	1189	0.028	ng/ul#	82
11) Acenaphthene	14.603	153	4807	0.156	ng/ul	99
12) Fluorene	15.593	166	4983	0.144	ng/ul	98
15) Phenanthrene	17.334	178	139379	2.796	ng/ul	99
16) Anthracene	17.427	178	23730	0.481	ng/ul	99
19) Fluoranthene	19.359	202	309220	5.443	ng/ul	99
20) Pyrene	19.721	202	268594	4.495	ng/ul	99
21) Benzo(a)anthracene	21.479	228	120595	2.113	ng/ul	99
22) Chrysene	21.532	228	124040	2.016	ng/ul	98
24) Benzo(b)fluoranthene	23.160	252	146178	2.237	ng/ul	97
25) Benzo(k)fluoranthene	23.203	252	63301m	0.892	ng/ul	
26) Benzo(a)pyrene	23.779	252	93727	1.543	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.356	276	55975	0.724	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.369	278	13959	0.229	ng/ul	97
29) Benzo(g,h,i)perylene	27.114	276	53059	0.776	ng/ul	100

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

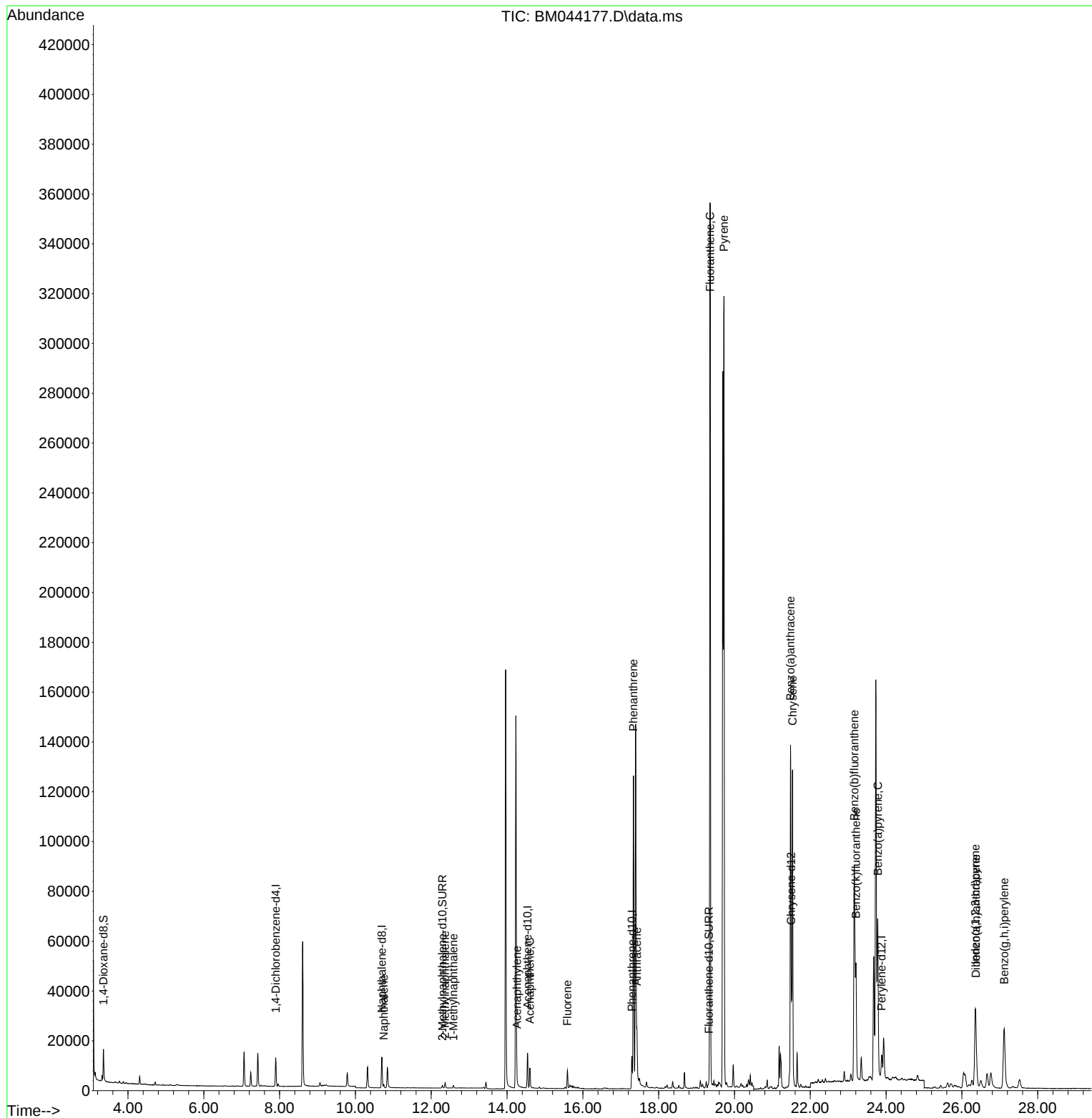
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021924\
Data File : BM044177.D
Acq On : 19 Feb 2024 14:42
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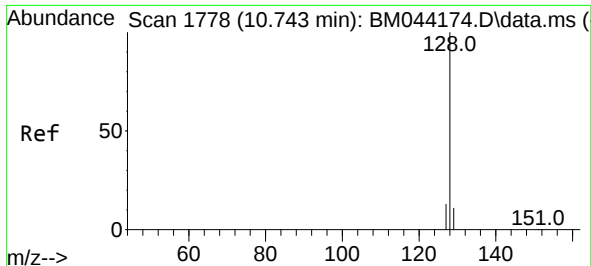
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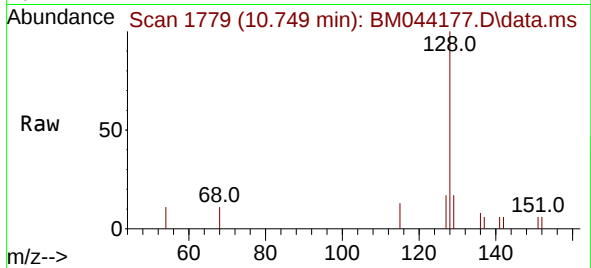
Quant Time: Feb 19 15:12:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
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#5
Naphthalene
Concen: 0.040 ng/ul
RT: 10.749 min Scan# 1779
Delta R.T. -0.005 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

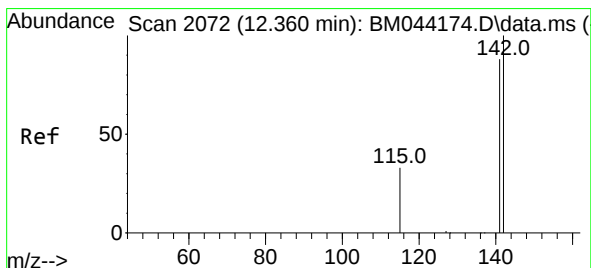
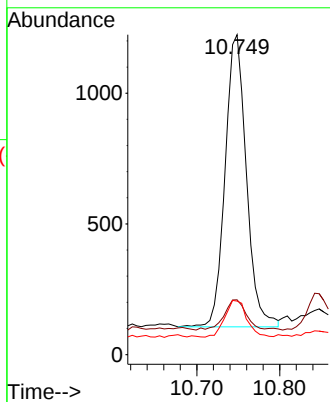
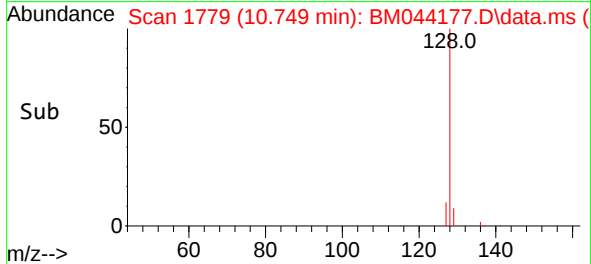
Instrument :
BNA_M
ClientSampleId :
C0FP6DL



Tgt Ion:128 Resp: 199
Ion Ratio Lower Upper
128 100
129 17.2 9.5 14.3
127 16.7 10.7 16.1

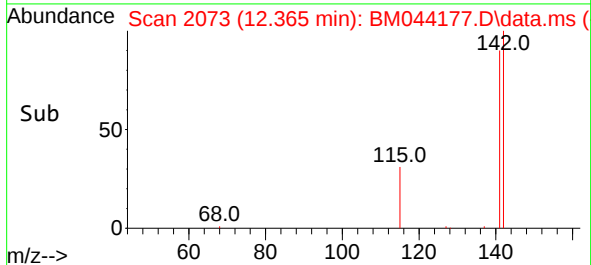
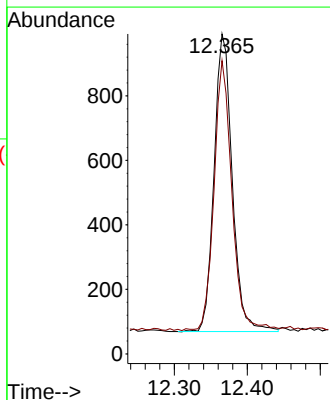
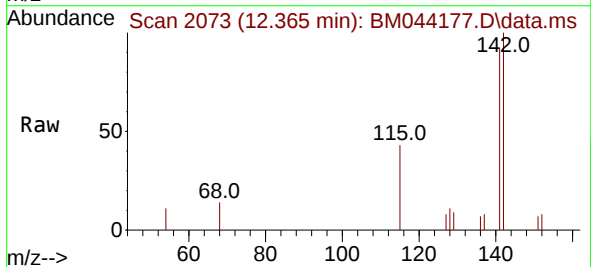
Manual Integrations
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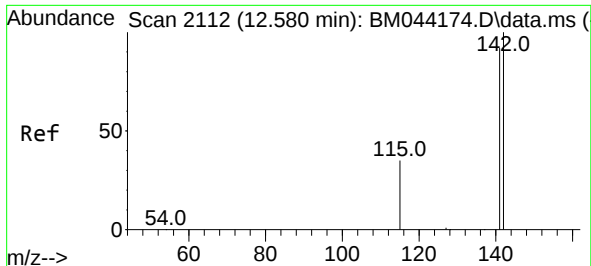
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.365 min Scan# 2073
Delta R.T. -0.005 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

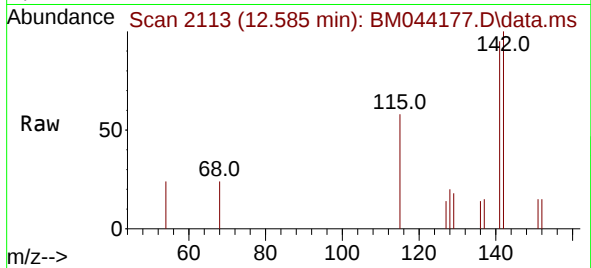
Tgt Ion:142 Resp: 1604
Ion Ratio Lower Upper
142 100
141 89.5 70.0 105.0





#8
1-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.585 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

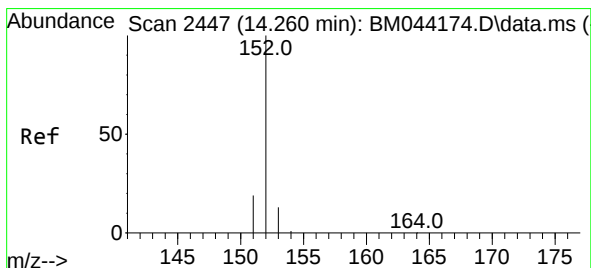
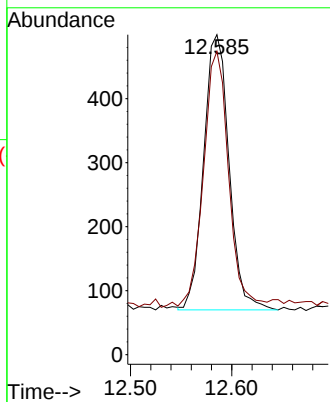
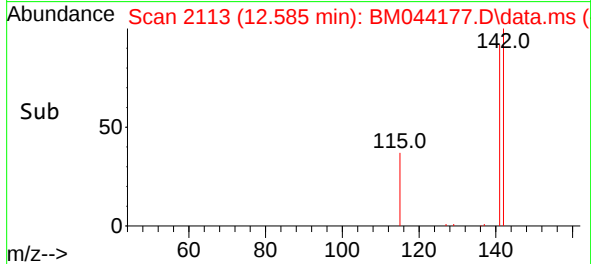
Instrument :
BNA_M
ClientSampleId :
C0FP6DL



Tgt Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
141 89.5 72.5 108.7

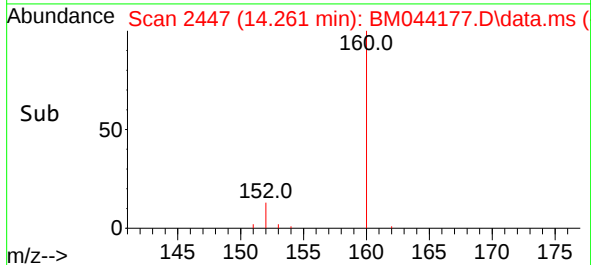
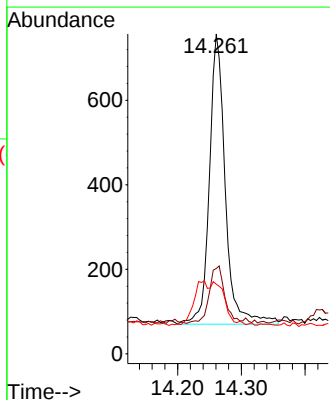
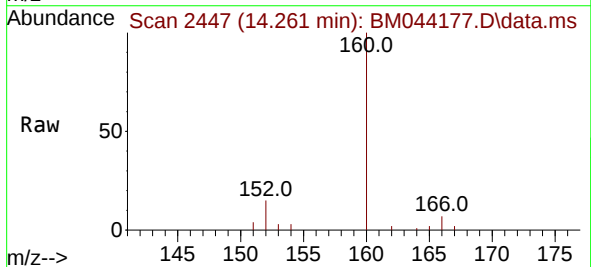
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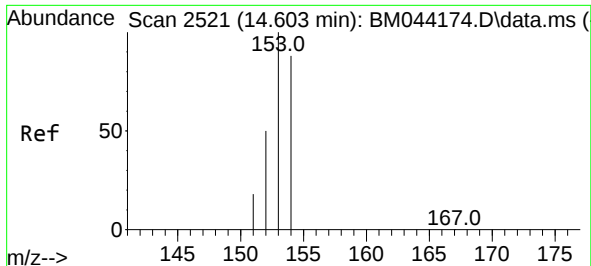
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#10
Acenaphthylene
Concen: 0.028 ng/ul
RT: 14.261 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

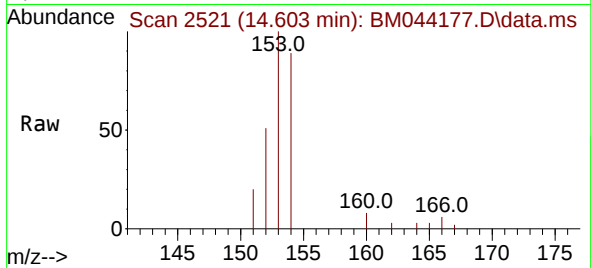
Tgt Ion:152 Resp: 1189
Ion Ratio Lower Upper
152 100
151 26.7 15.5 23.3#
153 21.8 10.8 16.2#





#11
Acenaphthene
Concen: 0.156 ng/ul
RT: 14.603 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

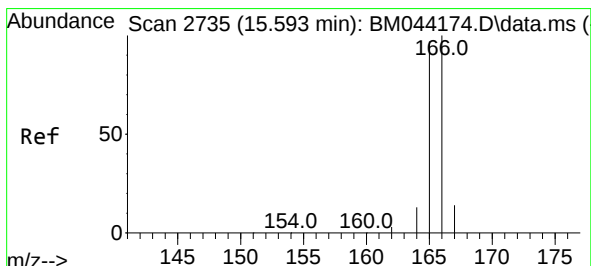
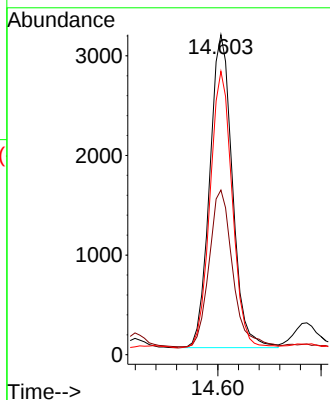
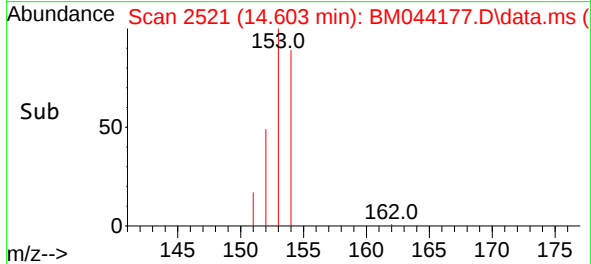
Instrument :
BNA_M
ClientSampleId :
C0FP6DL



Tgt Ion:153 Resp: 480
Ion Ratio Lower Upper
153 100
152 51.5 40.6 61.0
154 88.5 70.1 105.1

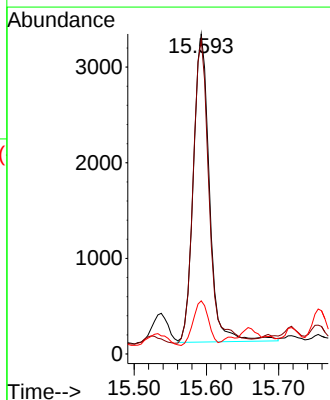
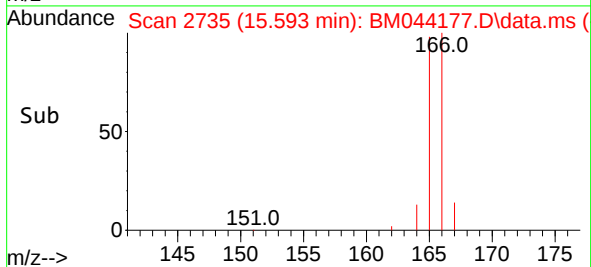
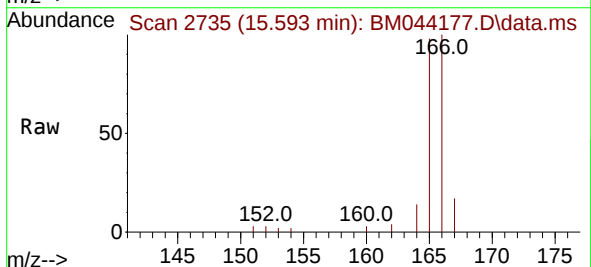
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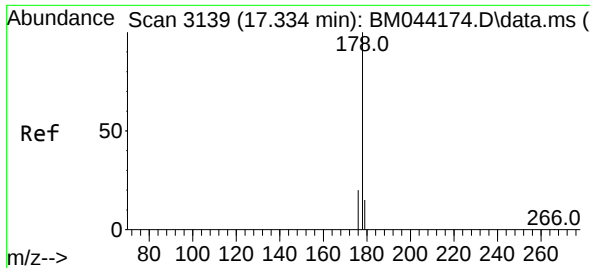
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#12
Fluorene
Concen: 0.144 ng/ul
RT: 15.593 min Scan# 2735
Delta R.T. -0.004 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

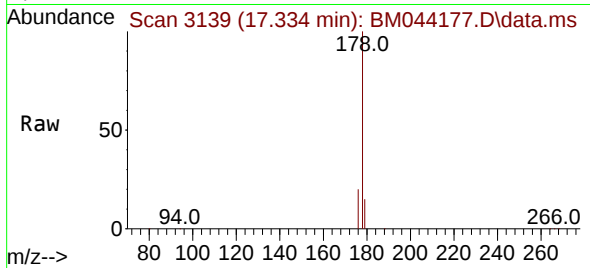
Tgt Ion:166 Resp: 4983
Ion Ratio Lower Upper
166 100
165 98.2 79.8 119.6
167 16.6 11.1 16.7





#15
Phenanthrene
Concen: 2.796 ng/u1
RT: 17.334 min Scan# 3139
Delta R.T. -0.004 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

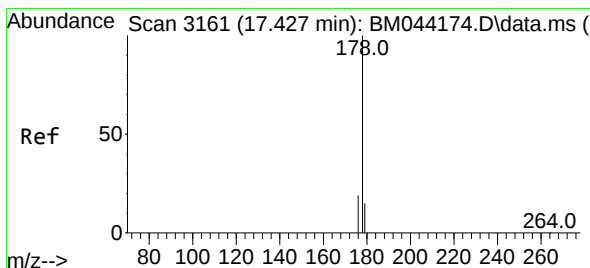
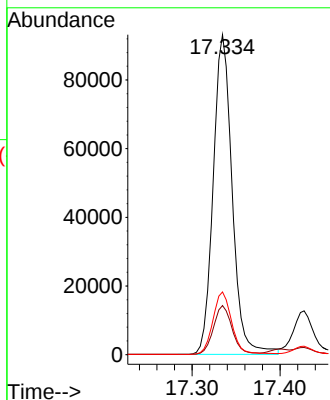
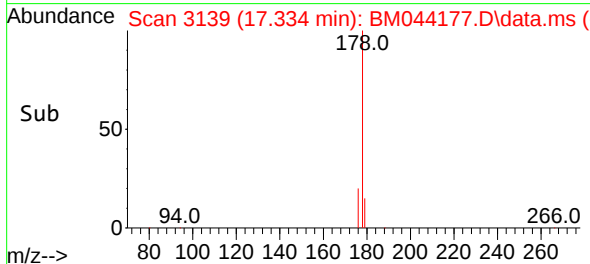
Instrument :
BNA_M
ClientSampleId :
C0FP6DL



Tgt Ion:178 Resp: 139379
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.6 16.0 24.0

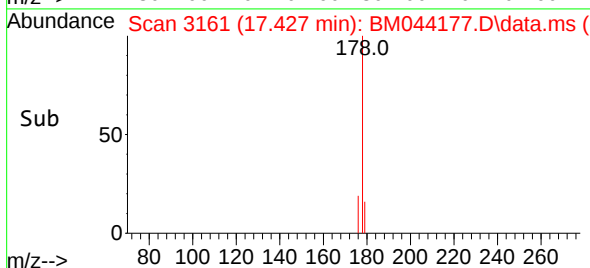
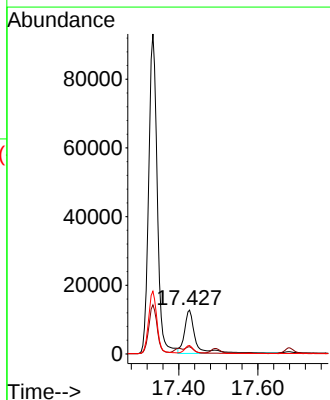
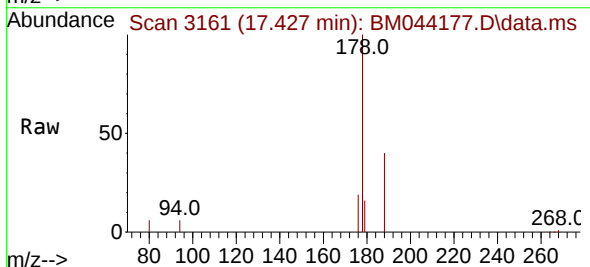
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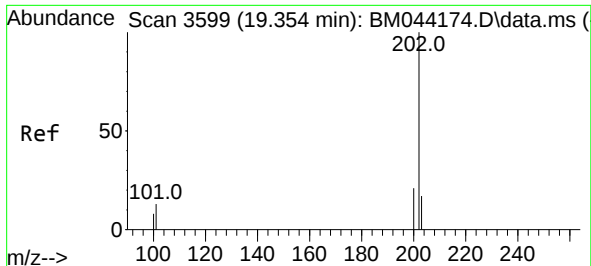
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#16
Anthracene
Concen: 0.481 ng/u1
RT: 17.427 min Scan# 3161
Delta R.T. -0.008 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

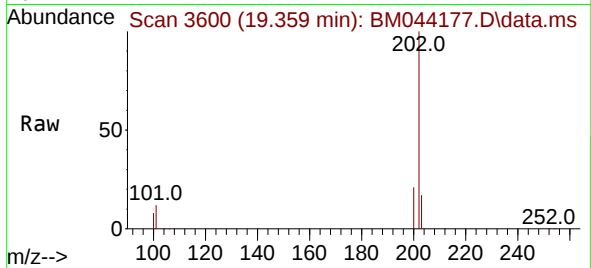
Tgt Ion:178 Resp: 23730
Ion Ratio Lower Upper
178 100
179 16.4 12.8 19.2
176 19.3 15.3 22.9





#19
Fluoranthene
Concen: 5.443 ng/u1
RT: 19.359 min Scan# 309220
Delta R.T. -0.005 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

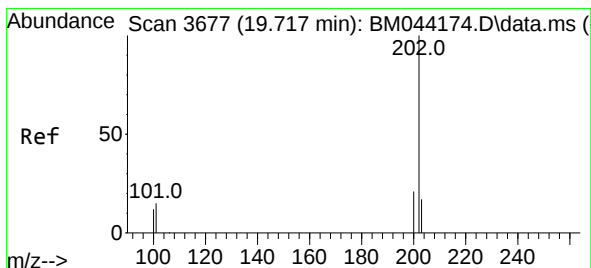
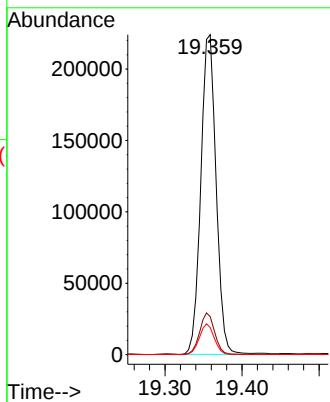
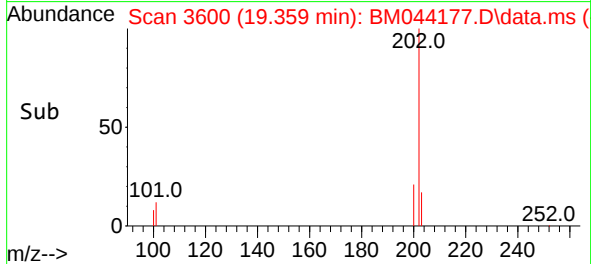
Instrument :
BNA_M
ClientSampleId :
C0FP6DL



Tgt Ion:202 Resp: 309220
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
100 8.5 7.0 10.4

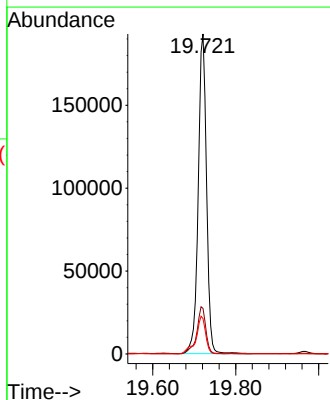
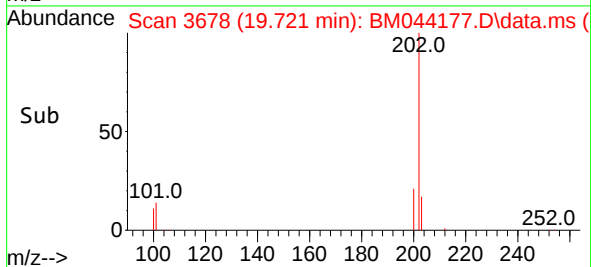
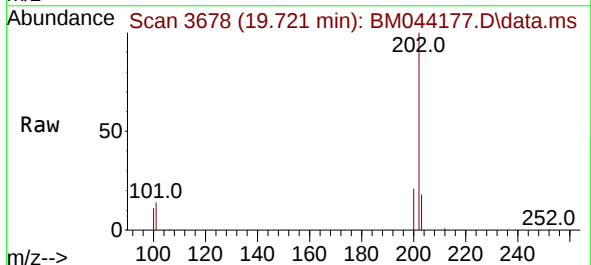
Manual Integrations
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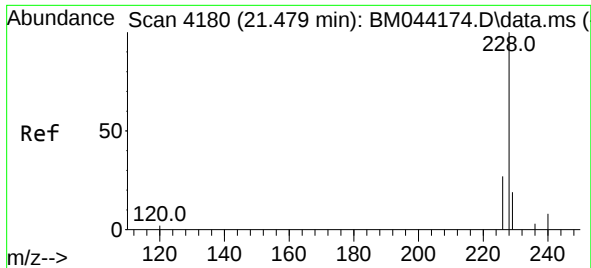
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#20
Pyrene
Concen: 4.495 ng/u1
RT: 19.721 min Scan# 3678
Delta R.T. -0.005 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

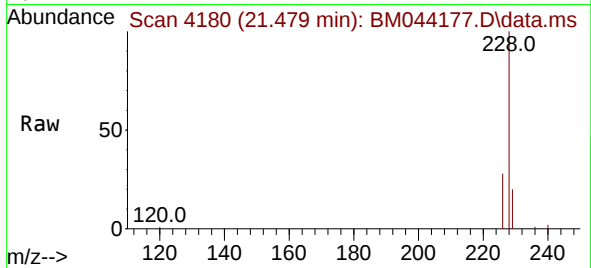
Tgt Ion:202 Resp: 268594
Ion Ratio Lower Upper
202 100
101 14.3 11.2 16.8
100 11.1 8.6 13.0





#21
Benzo(a)anthracene
Concen: 2.113 ng/u1
RT: 21.479 min Scan# 4180
Delta R.T. -0.006 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

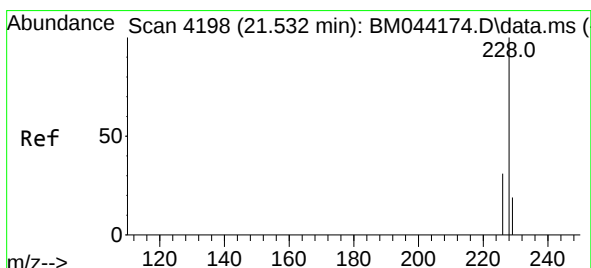
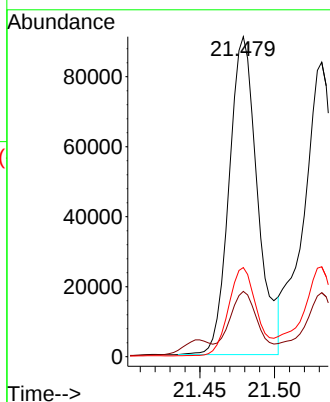
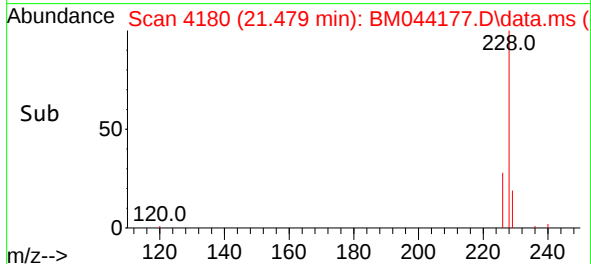
Instrument :
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C0FP6DL



Tgt Ion:228 Resp: 12059
Ion Ratio Lower Upper
228 100
229 20.4 15.4 23.2
226 27.8 22.1 33.1

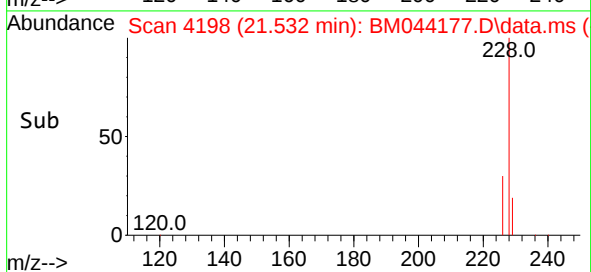
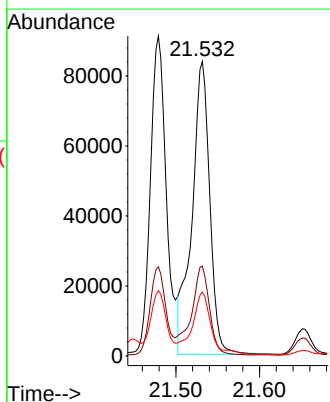
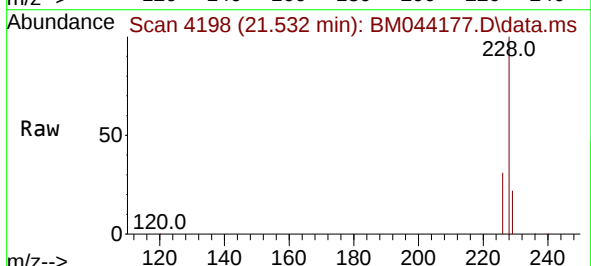
Manual Integrations
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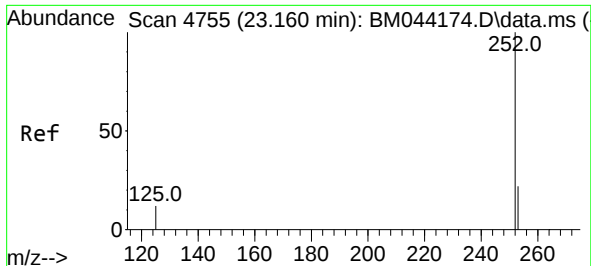
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#22
Chrysene
Concen: 2.016 ng/u1
RT: 21.532 min Scan# 4198
Delta R.T. -0.006 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

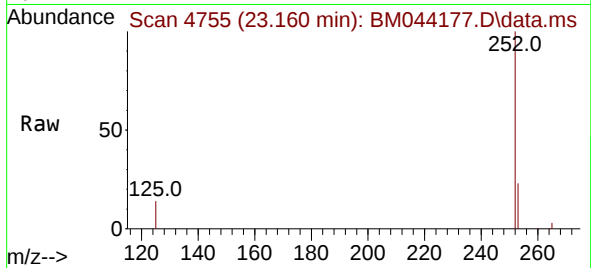
Tgt Ion:228 Resp: 124040
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 21.7 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.237 ng/ul
RT: 23.160 min Scan# 4755
Delta R.T. -0.003 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

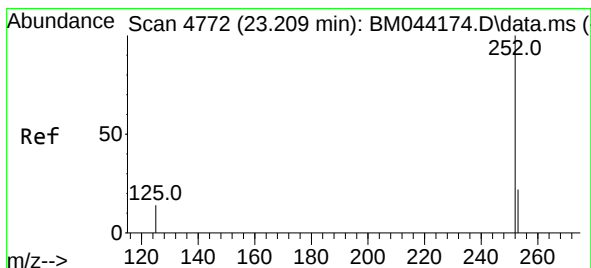
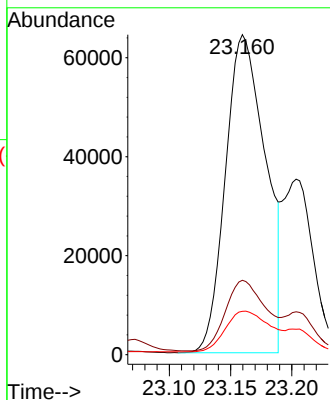
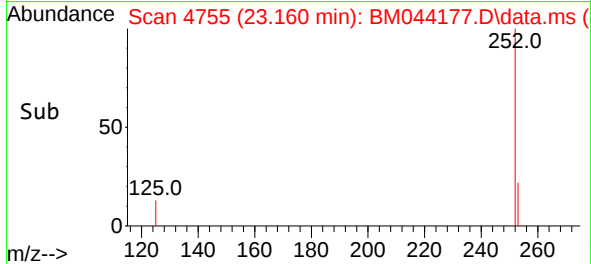
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:252 Resp: 146178
Ion Ratio Lower Upper
252 100
253 23.2 0.0 50.0
125 13.6 0.0 28.2

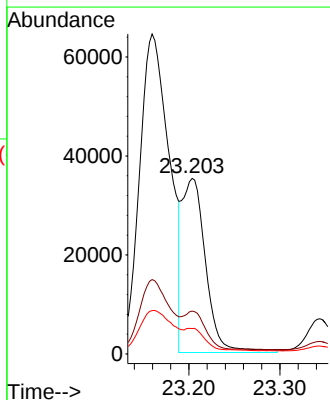
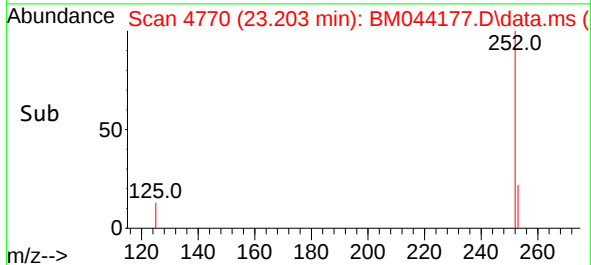
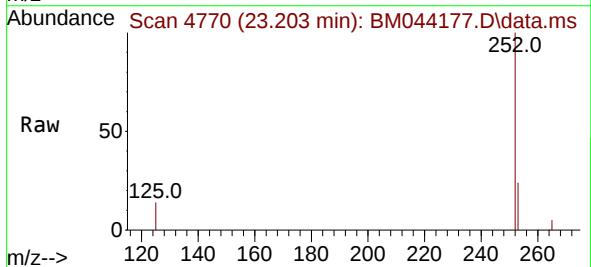
Manual Integrations
APPROVED

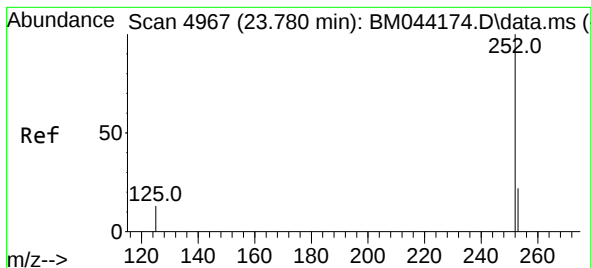
Reviewed By :Yogesh Patel 02/20/2024
Supervised By :mohammad ahmed 02/21/2024



#25
Benzo(k)fluoranthene
Concen: 0.892 ng/ul m
RT: 23.203 min Scan# 4770
Delta R.T. -0.009 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

Tgt Ion:252 Resp: 63301
Ion Ratio Lower Upper
252 100
253 24.4 20.1 30.1
125 14.5 12.3 18.5





#26

Benzo(a)pyrene

Concen: 1.543 ng/ul

RT: 23.779 min Scan# 4967

Delta R.T. -0.006 min

Lab File: BM044177.D

Acq: 19 Feb 2024 14:42

Instrument :

BNA_M

ClientSampleId :

C0FP6DL

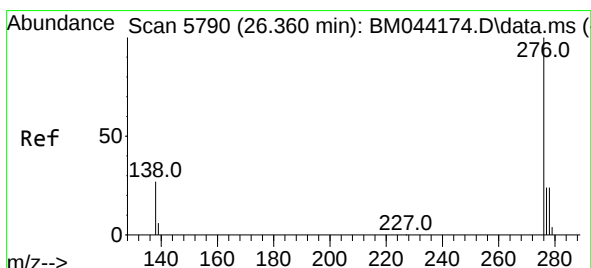
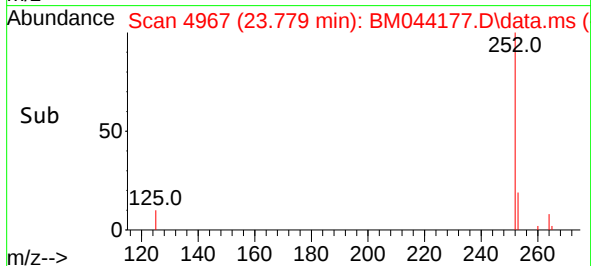
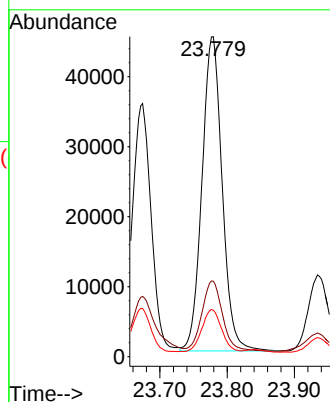
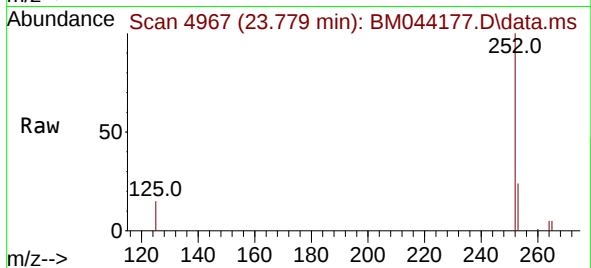
Tgt Ion:	252	Resp:	9372
Ion Ratio	Lower	Upper	
252	100		
253	23.6	21.4	32.2
125	14.5	13.3	19.9

Manual Integrations

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Reviewed By :Yogesh Patel 02/20/2024

Supervised By :mohammad ahmed 02/21/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.724 ng/ul

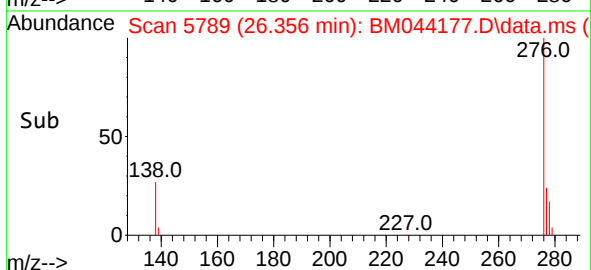
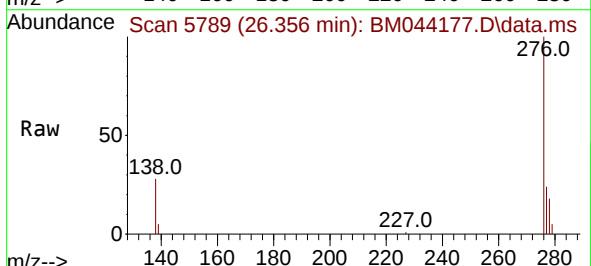
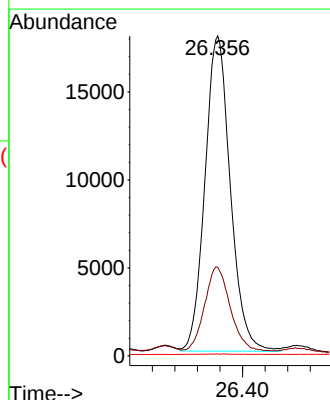
RT: 26.356 min Scan# 5789

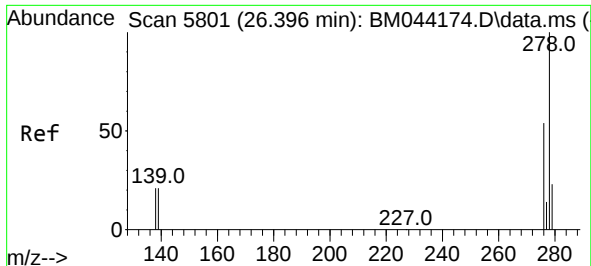
Delta R.T. -0.014 min

Lab File: BM044177.D

Acq: 19 Feb 2024 14:42

Tgt Ion:	276	Resp:	55975
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.2	37.8
227	0.1	0.1	0.1





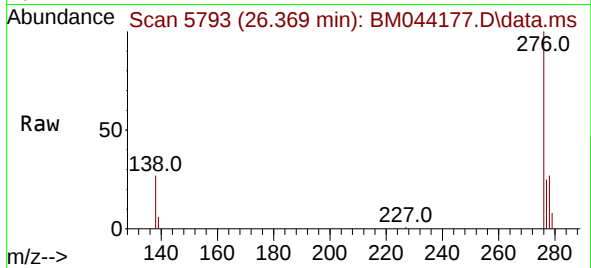
#28
Dibenzo(a,h)anthracene
Concen: 0.229 ng/ul
RT: 26.369 min Scan# 51
Delta R.T. -0.040 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42

Instrument :

BNM_M

ClientSampleId :

C0FP6DL



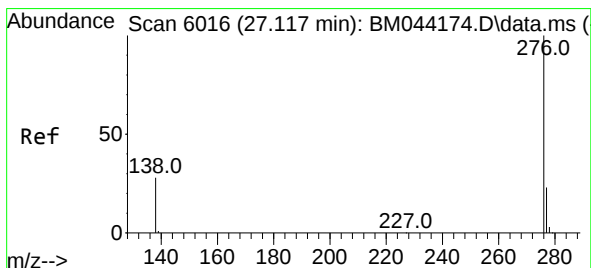
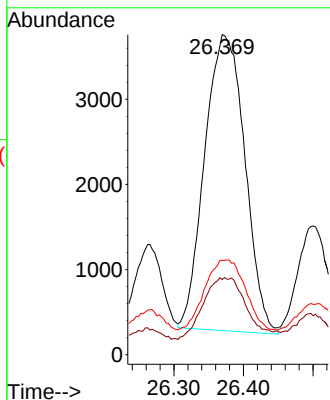
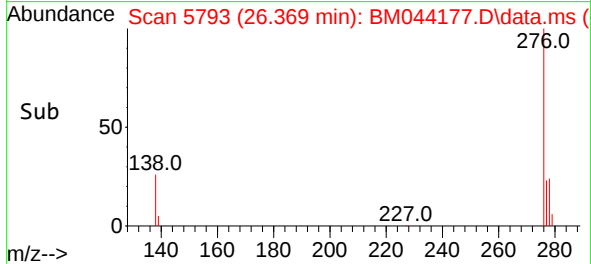
Tgt Ion:278 Resp: 13959
Ion Ratio Lower Upper
278 100
139 23.5 17.8 26.8
279 29.5 21.8 32.8

Manual Integrations

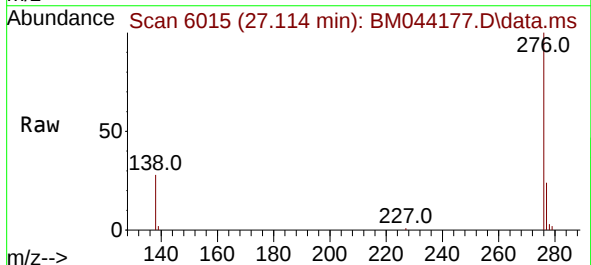
APPROVED

Reviewed By :Yogesh Patel 02/20/2024

Supervised By :mohammad ahmed 02/21/2024



#29
Benzo(g,h,i)perylene
Concen: 0.776 ng/ul
RT: 27.114 min Scan# 6015
Delta R.T. -0.014 min
Lab File: BM044177.D
Acq: 19 Feb 2024 14:42



Tgt Ion:276 Resp: 53059
Ion Ratio Lower Upper
276 100
138 28.2 22.7 34.1
277 24.1 19.0 28.6

