

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071924\
 Data File : BM046722.D
 Acq On : 19 Jul 2024 12:32
 Operator : MA/JU
 Sample : P3201-24DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4DQ4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 13:02:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 19 11:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.489	152	2460	0.400	ng/ul	0.00
4) Naphthalene-d8	10.248	136	6699	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.131	164	4258	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.887	188	8629	0.400	ng/ul	0.00
17) Chrysene-d12	21.094	240	6084	0.400	ng/ul	0.00
23) Perylene-d12	23.227	264	7132	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.109	96	71	0.035	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.848	152	453	0.042	ng/ul	0.00
18) Fluoranthene-d10	18.927	212	680	0.037	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.292	128	24499	1.438	ng/ul	95
10) Acenaphthylene	13.844	152	24290	1.253	ng/ul	97
11) Acenaphthene	14.195	153	19349	1.490	ng/ul	96
12) Fluorene	15.190	166	6042	0.376	ng/ul	96
15) Phenanthrene	16.925	178	13948	0.566	ng/ul	99
16) Anthracene	17.018	178	17336	0.721	ng/ul	98
19) Fluoranthene	18.954	202	25868	1.035	ng/ul#	99
20) Pyrene	19.317	202	8136	0.301	ng/ul#	97
21) Benzo(a)anthracene	21.076	228	14273	0.530	ng/ul	99
22) Chrysene	21.129	228	5079	0.195	ng/ul	97
24) Benzo(b)fluoranthene	22.593	252	16667	0.585	ng/ul	97
25) Benzo(k)fluoranthene	22.636	252	15574m	0.557	ng/ul	
26) Benzo(a)pyrene	23.133	252	8073	0.344	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.333	276	9969	0.279	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.353	278	2741	0.097	ng/ul#	60
29) Benzo(g,h,i)perylene	25.977	276	17971	0.631	ng/ul	99

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

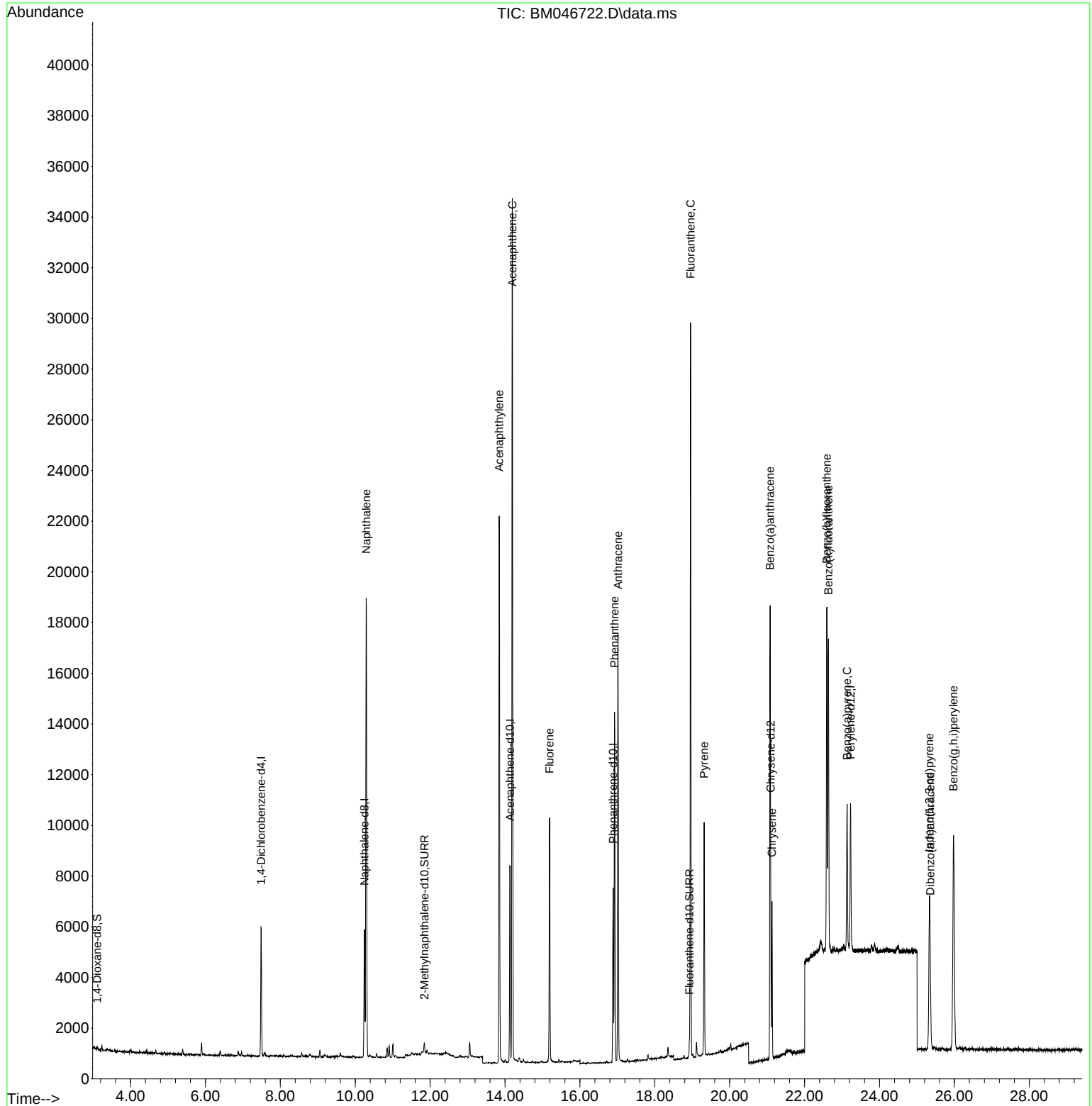
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071924\
Data File : BM046722.D
Acq On : 19 Jul 2024 12:32
Operator : MA/JU
Sample : P3201-24DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

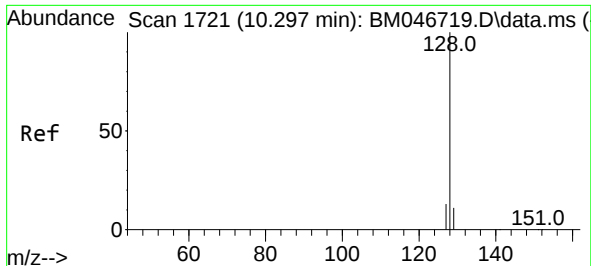
Instrument :
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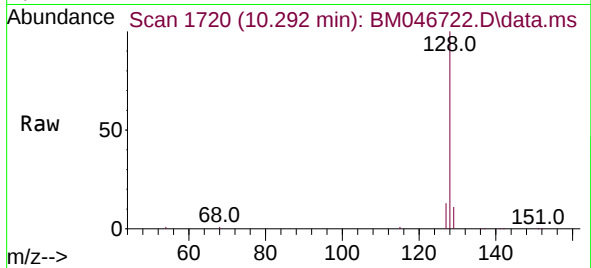
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 11:38:04 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 1.438 ng/ul
RT: 10.292 min Scan# 1720
Delta R.T. -0.006 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

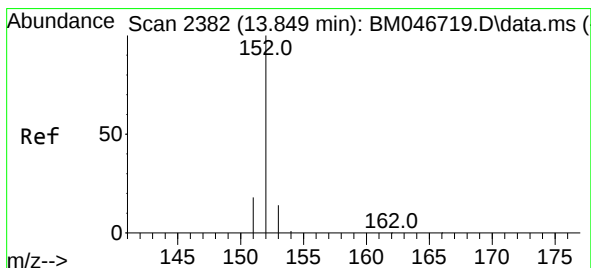
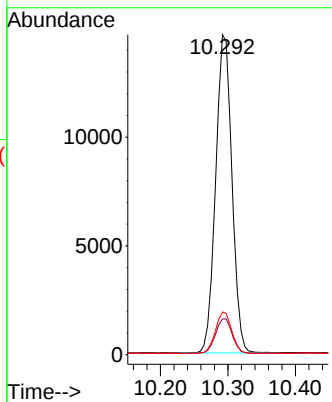
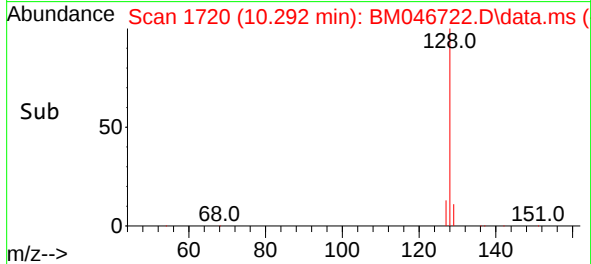
Instrument :
BNA_M
ClientSampleId :
A4DQ4DL



Tgt Ion:128 Resp: 24499
Ion Ratio Lower Upper
128 100
129 11.2 10.3 15.5
127 13.4 12.2 18.4

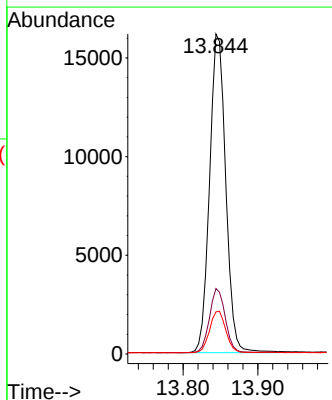
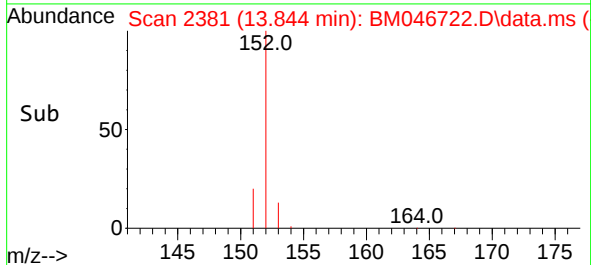
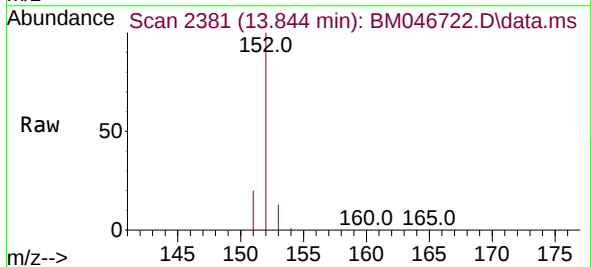
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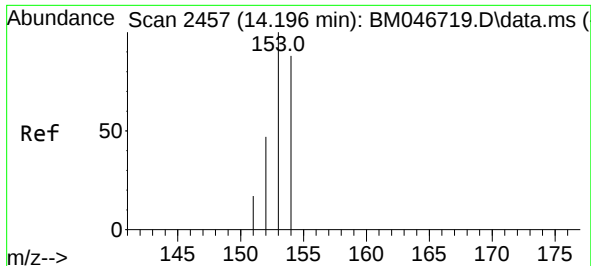
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#10
Acenaphthylene
Concen: 1.253 ng/ul
RT: 13.844 min Scan# 2381
Delta R.T. -0.005 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

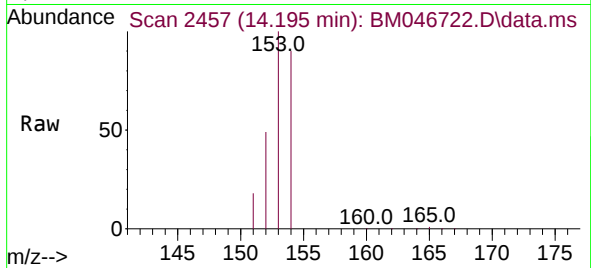
Tgt Ion:152 Resp: 24290
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.1 12.4 18.6





#11
Acenaphthene
Concen: 1.490 ng/ul
RT: 14.195 min Scan# 2457
Delta R.T. -0.000 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

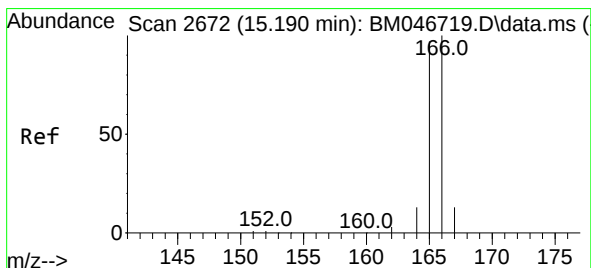
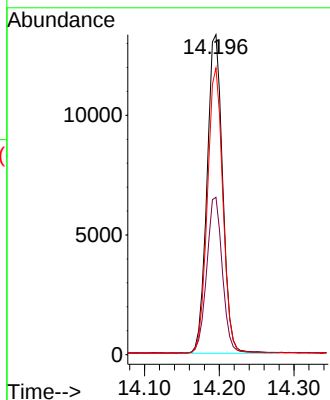
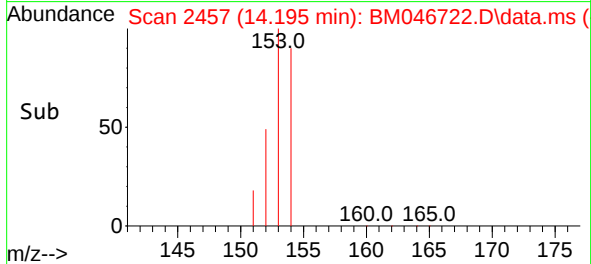
Instrument :
BNA_M
ClientSampleId :
A4DQ4DL



Tgt Ion:153 Resp: 19349
Ion Ratio Lower Upper
153 100
152 49.2 43.0 64.6
154 89.6 69.9 104.9

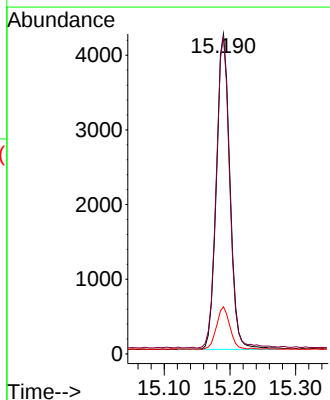
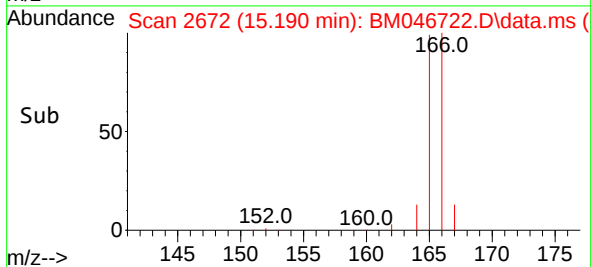
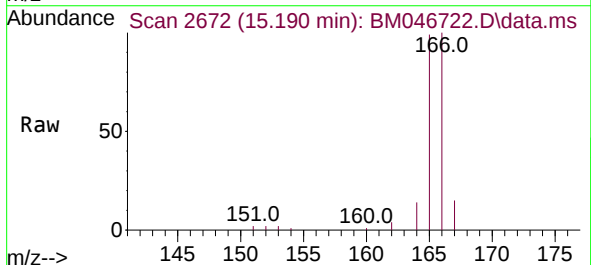
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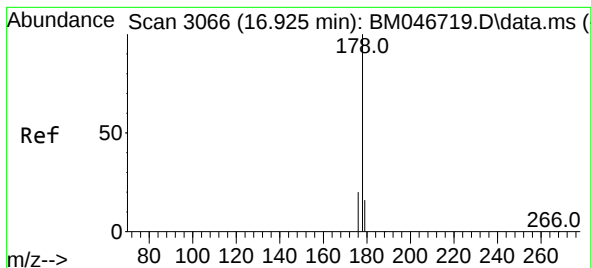
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#12
Fluorene
Concen: 0.376 ng/ul
RT: 15.190 min Scan# 2672
Delta R.T. -0.000 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

Tgt Ion:166 Resp: 6042
Ion Ratio Lower Upper
166 100
165 99.4 76.1 114.1
167 14.7 12.5 18.7





#15

Phenanthrene

Concen: 0.566 ng/u1

RT: 16.925 min Scan# 3066

Delta R.T. -0.000 min

Lab File: BM046722.D

Acq: 19 Jul 2024 12:32

Instrument :

BNA_M

ClientSampleId :

A4DQ4DL

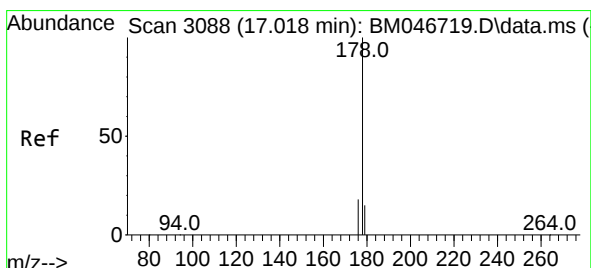
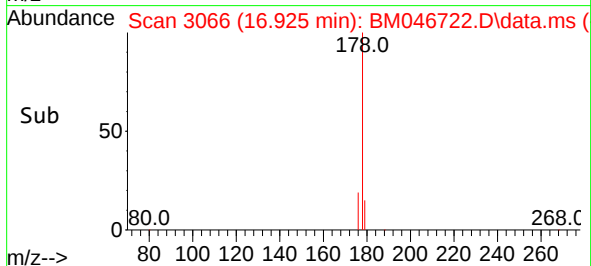
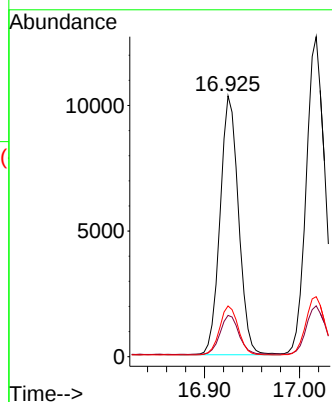
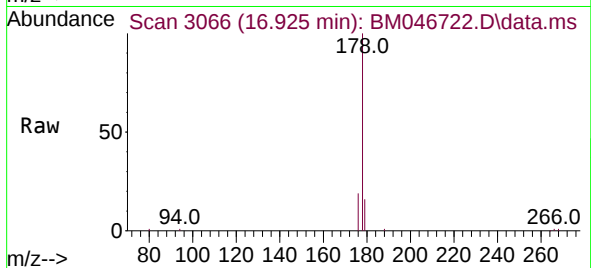
Tgt Ion:178	Resp:	1394
Ion Ratio	Lower	Upper
178	100	
179	15.8	13.1 19.7
176	19.4	16.0 24.0

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Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/20/2024



#16

Anthracene

Concen: 0.721 ng/u1

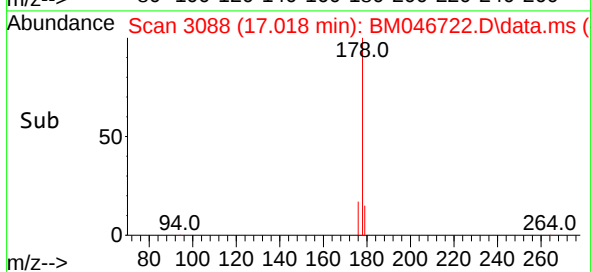
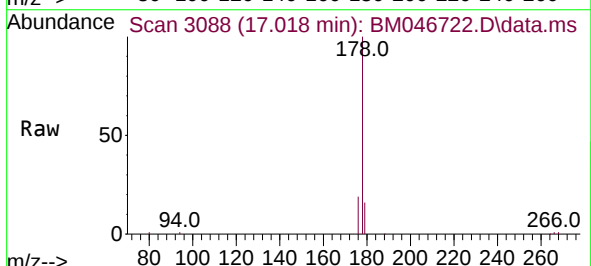
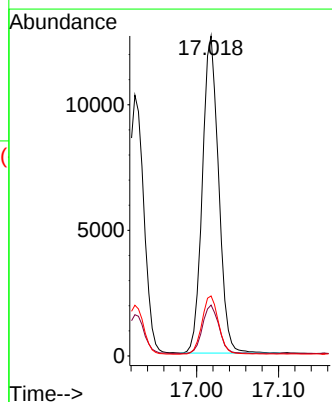
RT: 17.018 min Scan# 3088

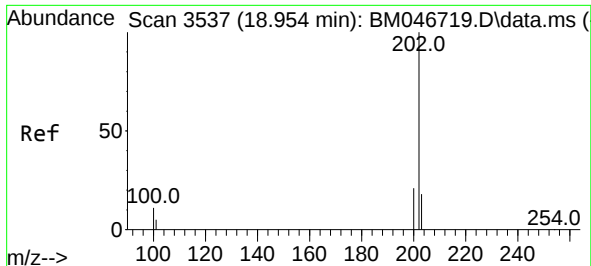
Delta R.T. -0.000 min

Lab File: BM046722.D

Acq: 19 Jul 2024 12:32

Tgt Ion:178	Resp:	17336
Ion Ratio	Lower	Upper
178	100	
179	15.9	13.5 20.3
176	18.8	15.7 23.5





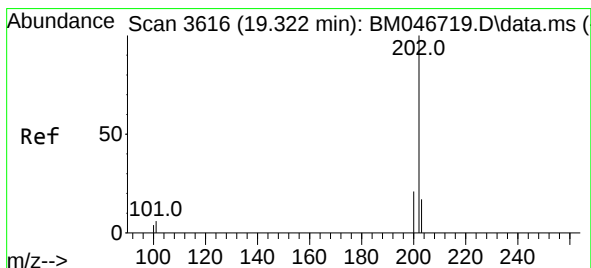
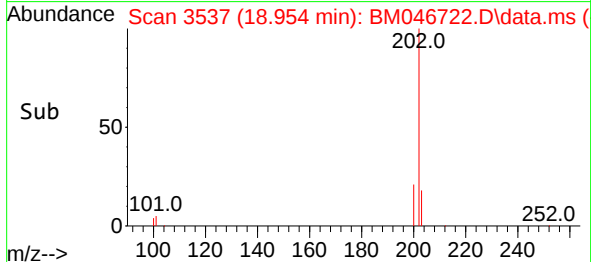
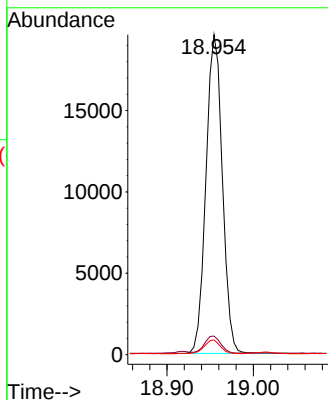
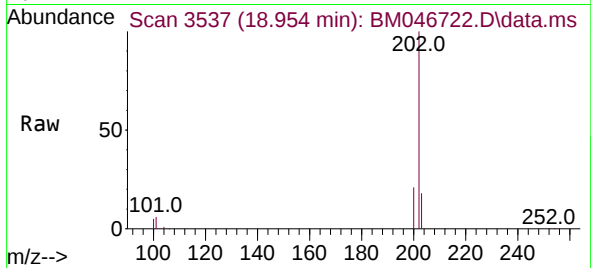
#19
Fluoranthene
Concen: 1.035 ng/u1
RT: 18.954 min Scan# 3537
Delta R.T. -0.000 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

Instrument :
BNA_M
ClientSampleId :
A4DQ4DL

Tgt Ion:202 Resp: 2586
Ion Ratio Lower Upper
202 100
101 5.8 4.6 6.8
100 4.6 3.0 4.6

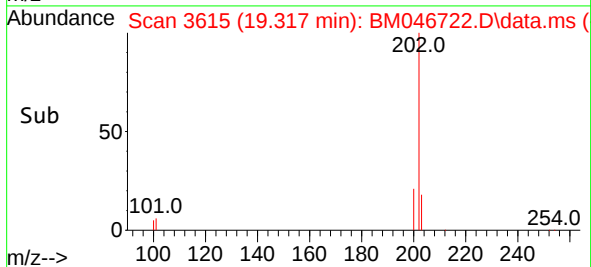
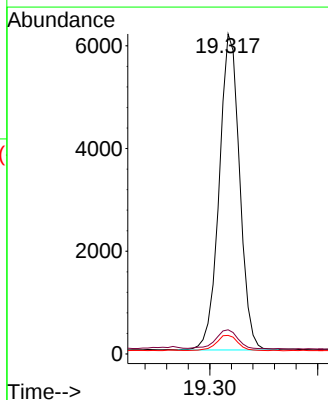
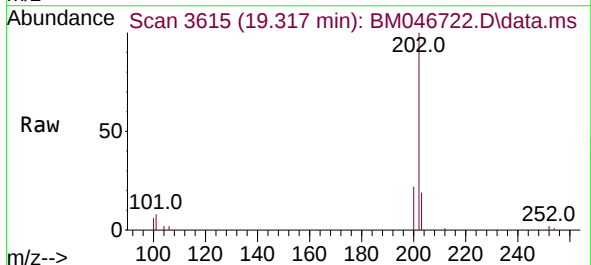
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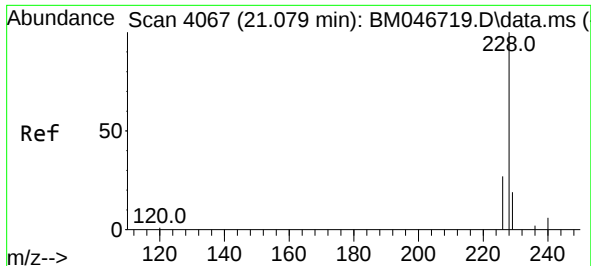
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#20
Pyrene
Concen: 0.301 ng/u1
RT: 19.317 min Scan# 3615
Delta R.T. -0.005 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

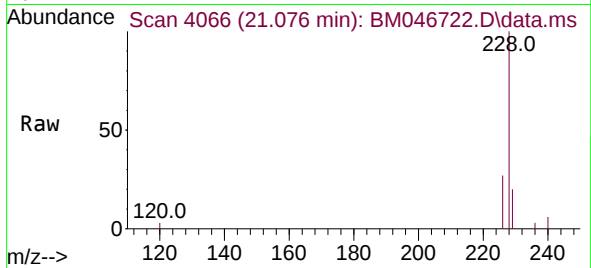
Tgt Ion:202 Resp: 8136
Ion Ratio Lower Upper
202 100
101 7.5 5.1 7.7
100 5.8 3.8 5.6





#21
Benzo(a)anthracene
Concen: 0.530 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.003 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

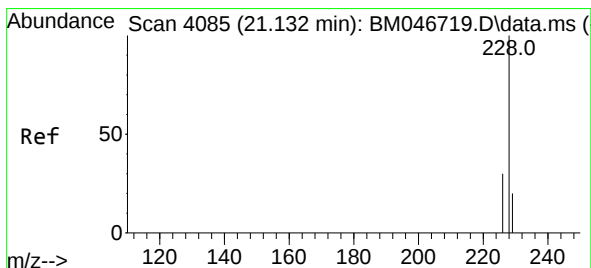
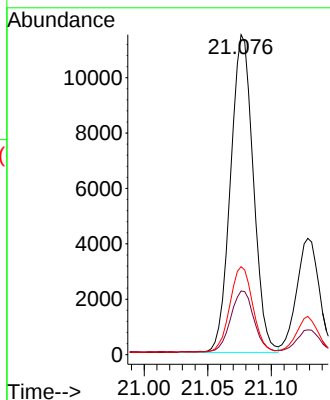
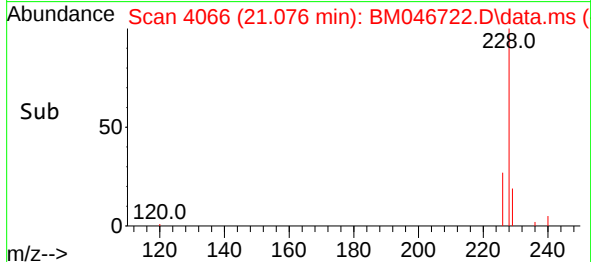
Instrument :
BNA_M
ClientSampleId :
A4DQ4DL



Tgt Ion:228 Resp: 1427
Ion Ratio Lower Upper
228 100
229 19.9 16.5 24.7
226 27.5 22.5 33.7

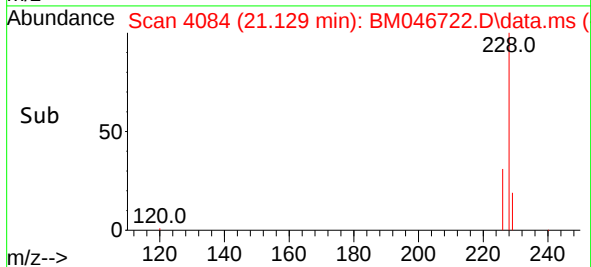
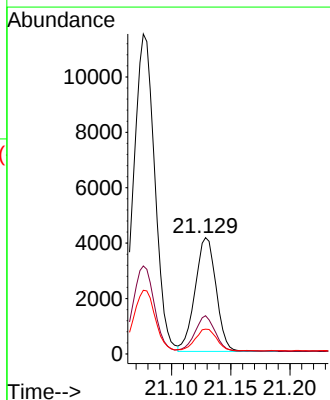
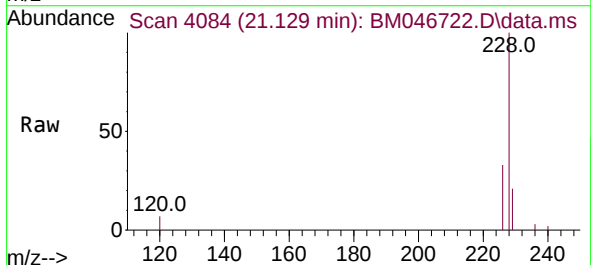
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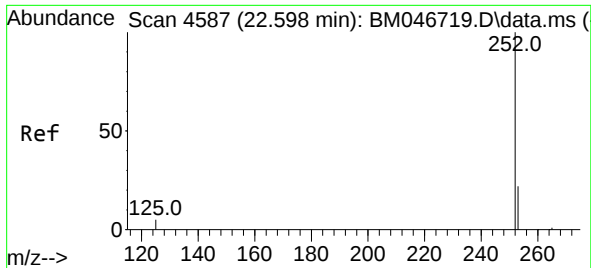
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#22
Chrysene
Concen: 0.195 ng/ul
RT: 21.129 min Scan# 4084
Delta R.T. -0.003 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

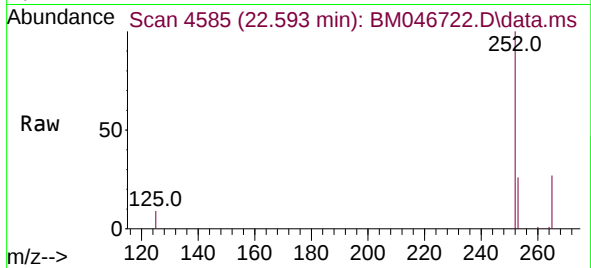
Tgt Ion:228 Resp: 5079
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 21.3 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 0.585 ng/ul
RT: 22.593 min Scan# 4585
Delta R.T. -0.006 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

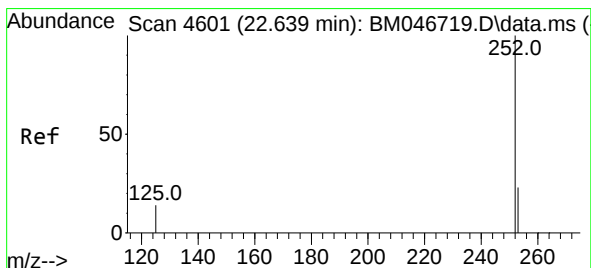
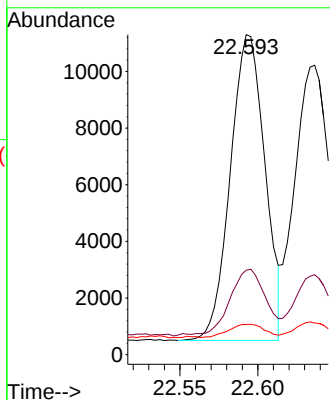
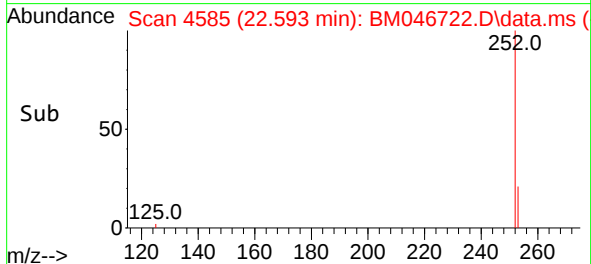
Instrument :
BNA_M
ClientSampleId :
A4DQ4DL



Tgt Ion:252 Resp: 1666
Ion Ratio Lower Upper
252 100
253 26.4 0.0 56.2
125 9.5 0.0 17.8

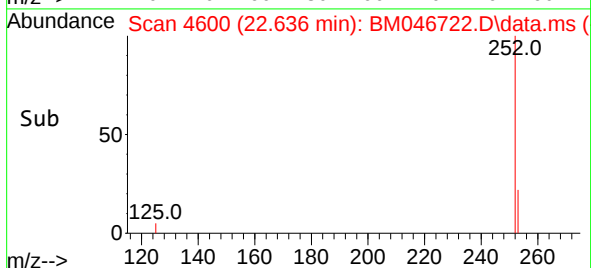
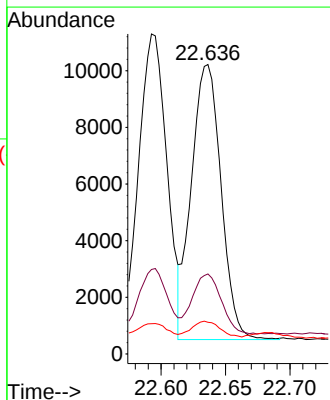
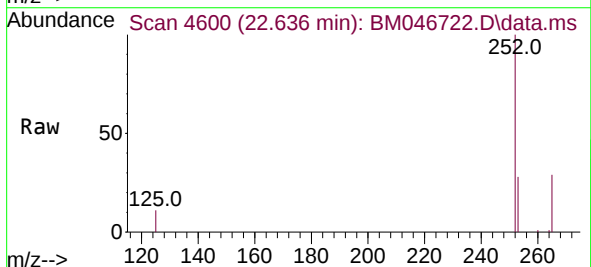
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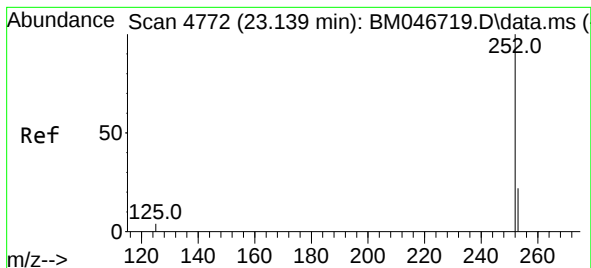
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#25
Benzo(k)fluoranthene
Concen: 0.557 ng/ul m
RT: 22.636 min Scan# 4600
Delta R.T. -0.003 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

Tgt Ion:252 Resp: 15574
Ion Ratio Lower Upper
252 100
253 27.6 22.4 33.6
125 10.9 7.0 10.4#





#26

Benzo(a)pyrene

Concen: 0.344 ng/ul

RT: 23.133 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM046722.D

Acq: 19 Jul 2024 12:32

Instrument :

BNM_M

ClientSampleId :

A4DQ4DL

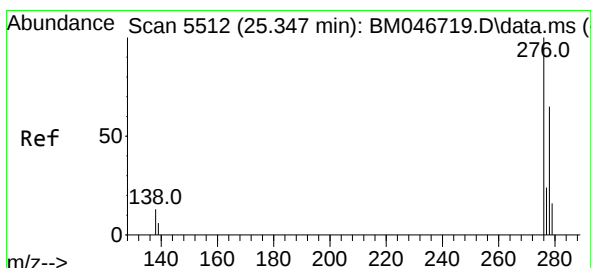
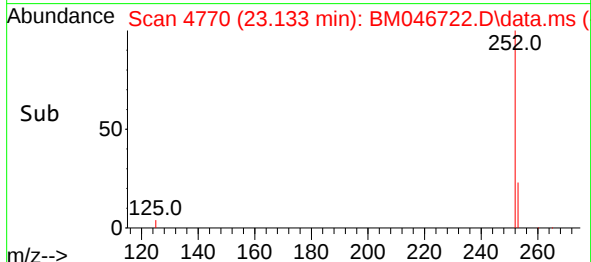
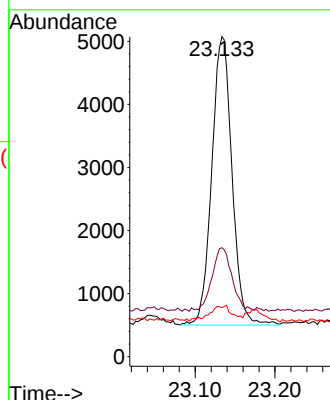
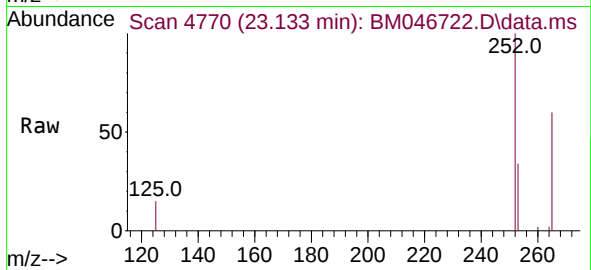
Tgt Ion:	252	Resp:	807
Ion Ratio	Lower	Upper	
252	100		
253	34.1	24.0	36.0
125	15.3	8.2	12.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/20/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.279 ng/ul

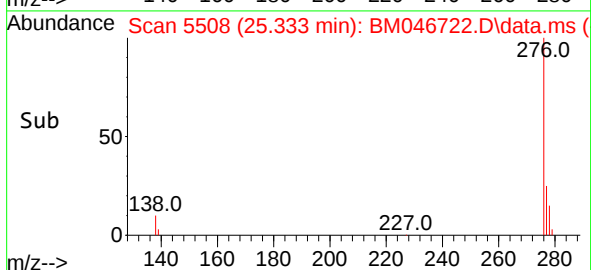
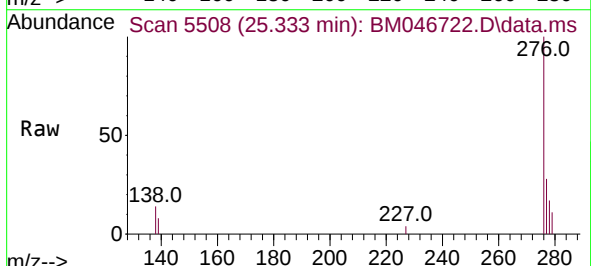
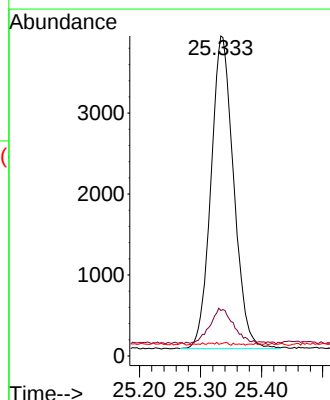
RT: 25.333 min Scan# 5508

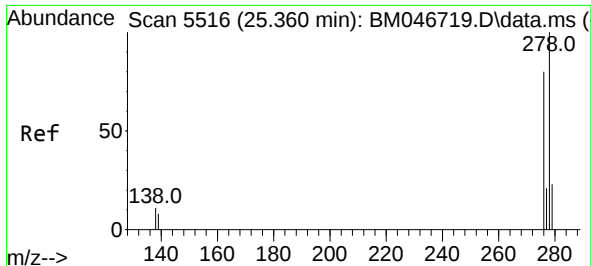
Delta R.T. -0.013 min

Lab File: BM046722.D

Acq: 19 Jul 2024 12:32

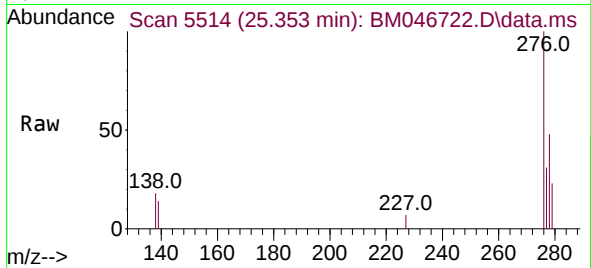
Tgt Ion:	276	Resp:	9969
Ion Ratio	Lower	Upper	
276	100		
138	12.3	0.0	0.0
227	0.2	0.2	0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.097 ng/ul
RT: 25.353 min Scan# 51
Delta R.T. -0.007 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

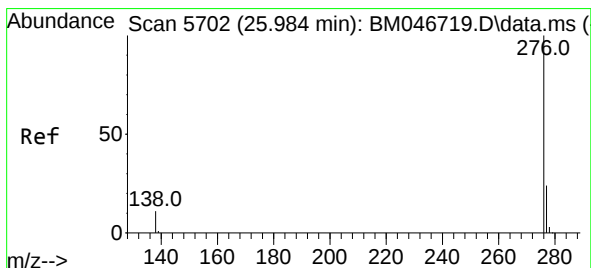
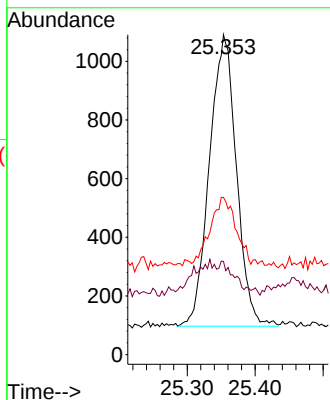
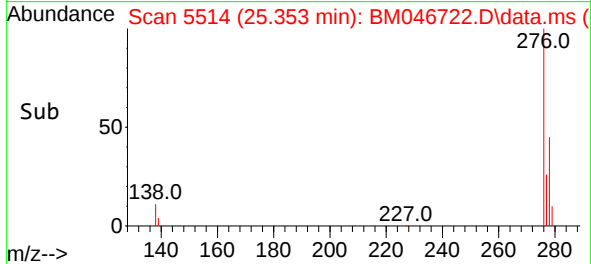
Instrument :
BNA_M
ClientSampleId :
A4DQ4DL



Tgt Ion:278 Resp: 274
Ion Ratio Lower Upper
278 100
139 29.1 9.1 13.7
279 49.1 23.2 34.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/20/2024



#29
Benzo(g,h,i)perylene
Concen: 0.631 ng/ul
RT: 25.977 min Scan# 5700
Delta R.T. -0.007 min
Lab File: BM046722.D
Acq: 19 Jul 2024 12:32

Tgt Ion:276 Resp: 17971
Ion Ratio Lower Upper
276 100
138 12.8 10.2 15.4
277 25.3 20.9 31.3

