

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046297.D
 Acq On : 25 Jun 2024 18:30
 Operator : MA/JU
 Sample : P2844-16DL 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C78DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 23:28:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.400	152	2400	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.182	136	7070	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.052	164	3966	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.798	188	8493	0.400	ng/ul	-0.06
17) Chrysene-d12	20.997	240	6879	0.400	ng/ul	-0.03
23) Perylene-d12	23.087	264	8618	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	1668	0.507	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.799	152	375	0.040	ng/ul	-0.07
18) Fluoranthene-d10	18.829	212	1017	0.049	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.231	128	3641	0.185	ng/ul#	89
7) 2-Methylnaphthalene	11.876	142	1319	0.119	ng/ul	99
8) 1-Methylnaphthalene	12.079	142	1097	0.090	ng/ul	98
10) Acenaphthylene	13.770	152	10569	0.562	ng/ul	99
11) Acenaphthene	14.112	153	6166	0.454	ng/ul	99
12) Fluorene	15.116	166	6651	0.456	ng/ul	99
15) Phenanthrene	16.836	178	142100	5.955	ng/ul	96
16) Anthracene	16.929	178	30040	1.690	ng/ul	98
19) Fluoranthene	18.857	202	310568	10.427	ng/ul	96
20) Pyrene	19.224	202	222278	6.901	ng/ul#	93
21) Benzo(a)anthracene	20.980	228	129331	4.867	ng/ul	100
22) Chrysene	21.032	228	138732	4.091	ng/ul	99
24) Benzo(b)fluoranthene	22.470	252	201888m	6.502	ng/ul	
25) Benzo(k)fluoranthene	22.508	252	71458m	1.936	ng/ul	
26) Benzo(a)pyrene	22.996	252	79147	2.751	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.125	276	81227	1.725	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.125	278	23988	0.684	ng/ul#	93
29) Benzo(g,h,i)perylene	25.746	276	12626	0.313	ng/ul#	85

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

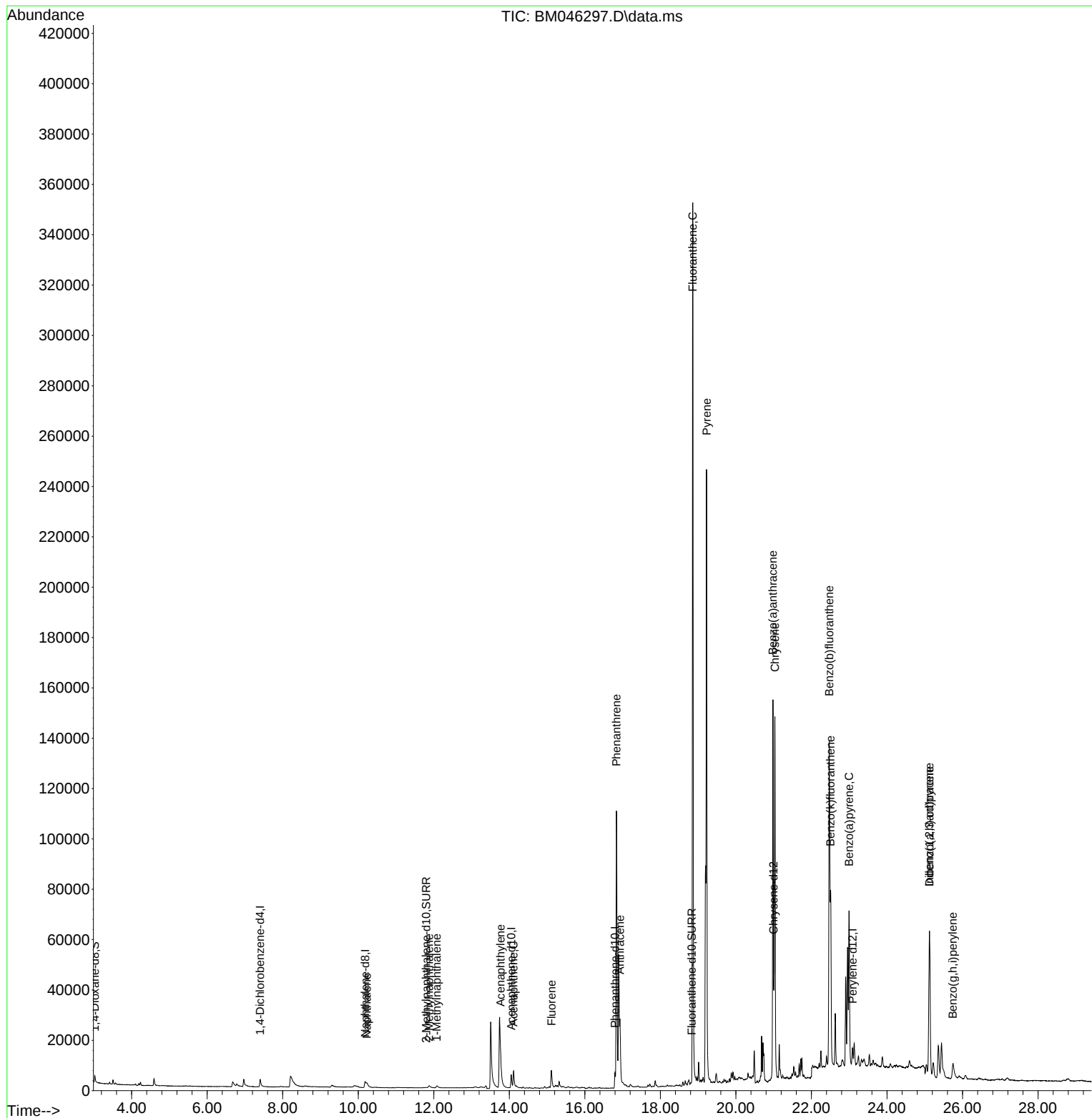
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046297.D
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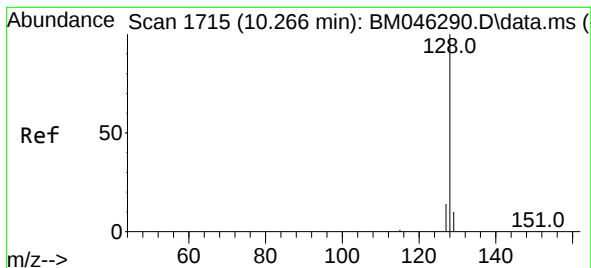
Instrument :
BNA_M
ClientSampleId :
A4C78DL

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QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.185 ng/ul

RT: 10.231 min Scan# 11

Delta R.T. -0.073 min

Lab File: BM046297.D

Acq: 25 Jun 2024 18:30

Instrument :

BNA_M

ClientSampleId :

A4C78DL

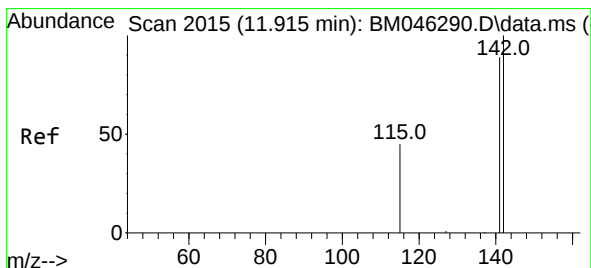
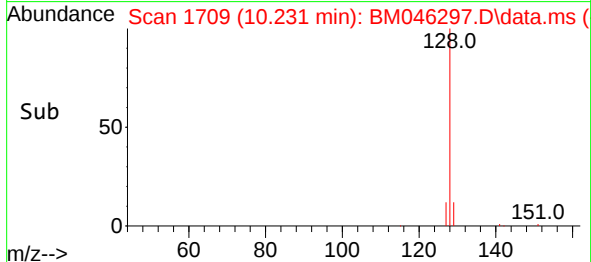
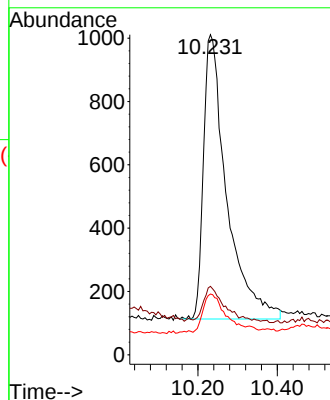
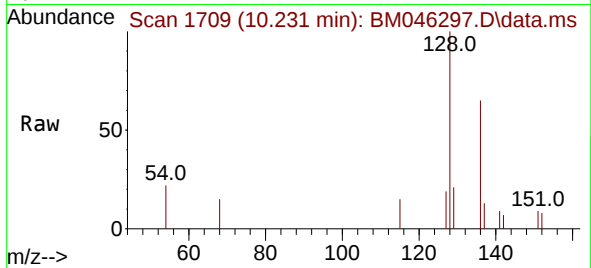
Tgt Ion:128	Resp:	364
Ion Ratio	Lower	Upper
128	100	
129	21.4	11.8 17.6
127	19.0	12.8 19.2

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.119 ng/ul

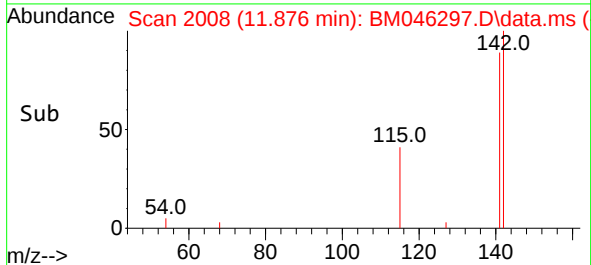
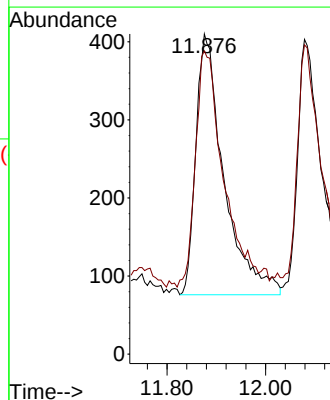
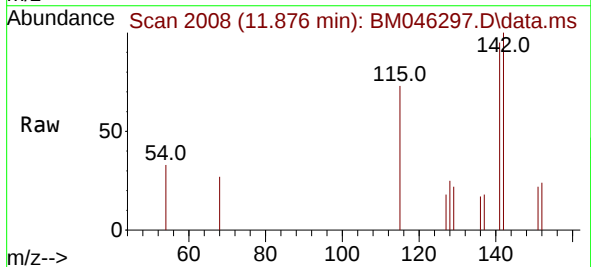
RT: 11.876 min Scan# 2008

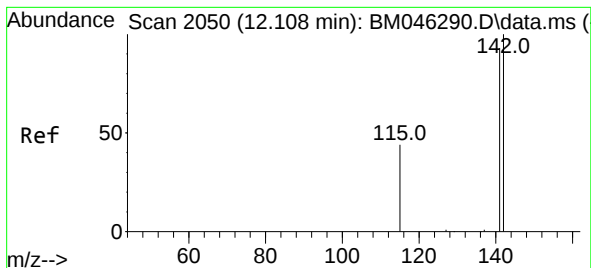
Delta R.T. -0.078 min

Lab File: BM046297.D

Acq: 25 Jun 2024 18:30

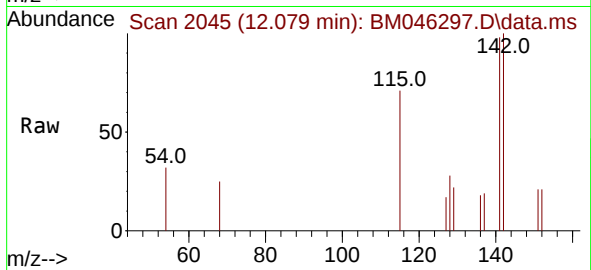
Tgt Ion:142	Resp:	1319
Ion Ratio	Lower	Upper
142	100	
141	92.4	74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.090 ng/ul
RT: 12.079 min Scan# 2045
Delta R.T. -0.056 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

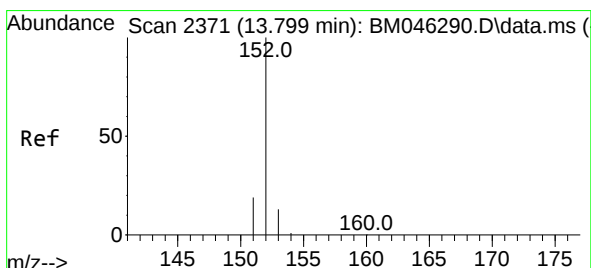
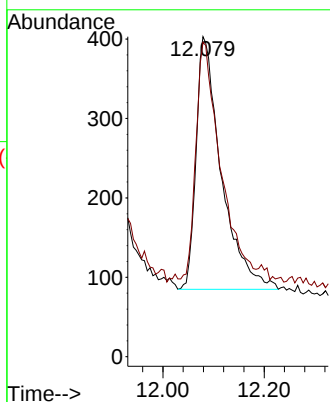
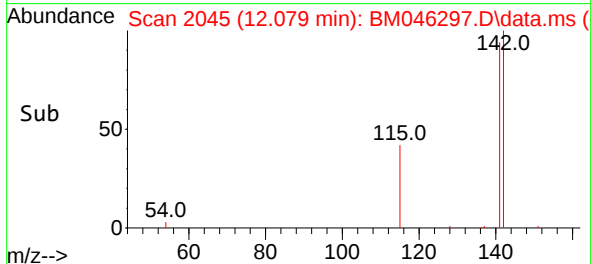
Instrument :
BNA_M
ClientSampleId :
A4C78DL



Tgt Ion:142 Resp: 109
Ion Ratio Lower Upper
142 100
141 92.2 75.2 112.8

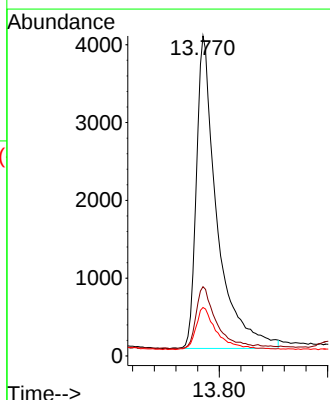
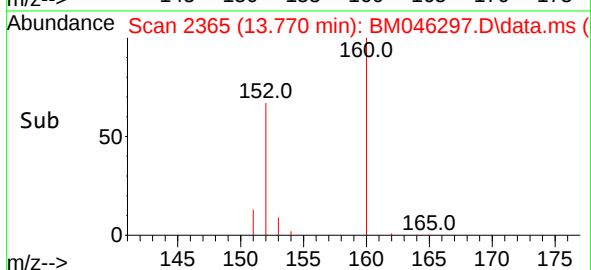
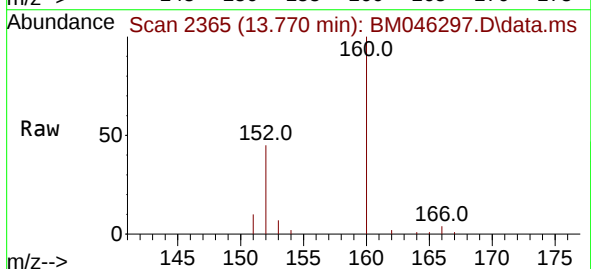
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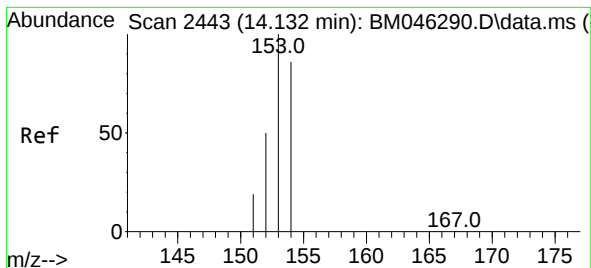
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 0.562 ng/ul
RT: 13.770 min Scan# 2365
Delta R.T. -0.048 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

Tgt Ion:152 Resp: 10569
Ion Ratio Lower Upper
152 100
151 21.7 17.4 26.2
153 15.2 11.8 17.8





#11

Acenaphthene

Concen: 0.454 ng/ul

RT: 14.112 min Scan# 2443

Delta R.T. -0.034 min

Lab File: BM046297.D

Acq: 25 Jun 2024 18:30

Instrument :

BNA_M

ClientSampleId :

A4C78DL

Tgt Ion:153 Resp: 6160

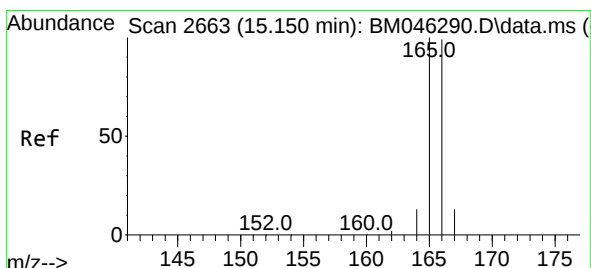
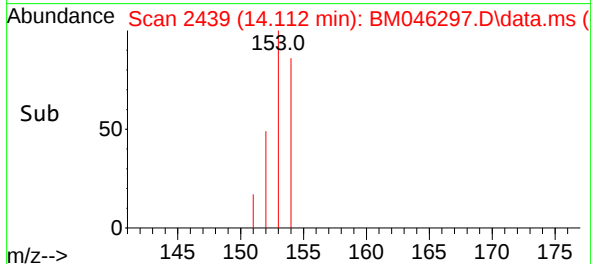
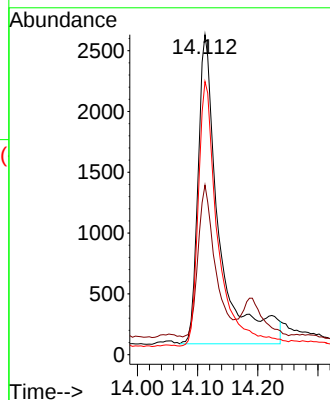
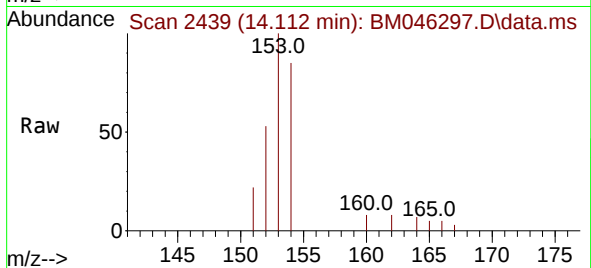
Ion	Ratio	Lower	Upper
153	100		
152	53.0	41.3	61.9
154	85.4	68.2	102.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#12

Fluorene

Concen: 0.456 ng/ul

RT: 15.116 min Scan# 2656

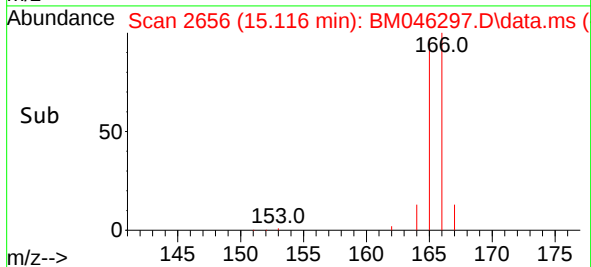
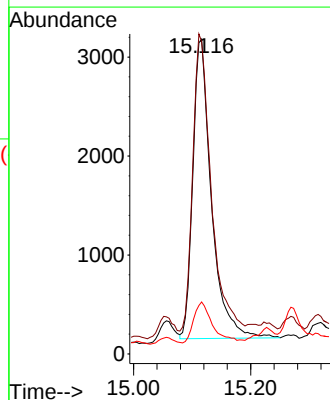
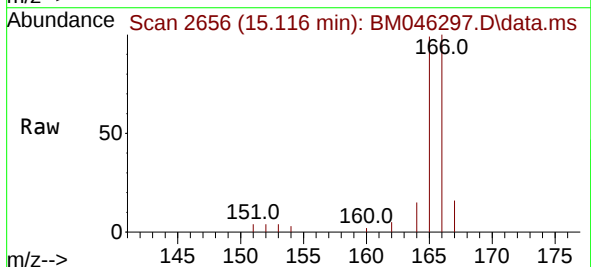
Delta R.T. -0.052 min

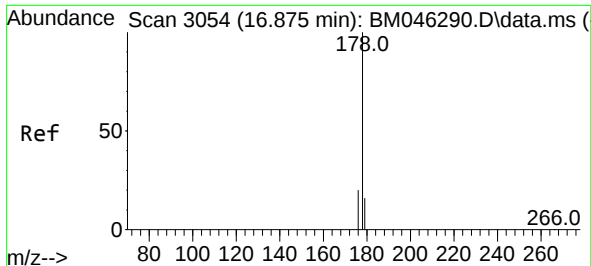
Lab File: BM046297.D

Acq: 25 Jun 2024 18:30

Tgt Ion:166 Resp: 6651

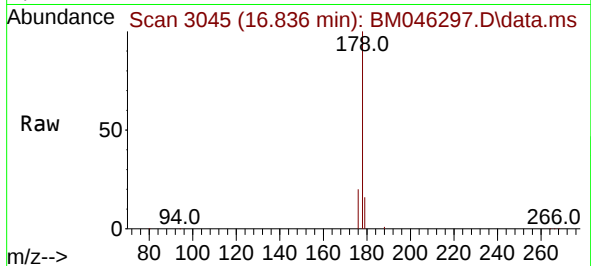
Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.4	120.6
167	16.5	12.4	18.6





#15
Phenanthrene
Concen: 5.955 ng/u1
RT: 16.836 min Scan# 3067
Delta R.T. -0.052 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

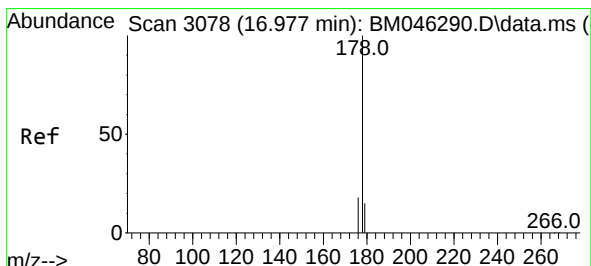
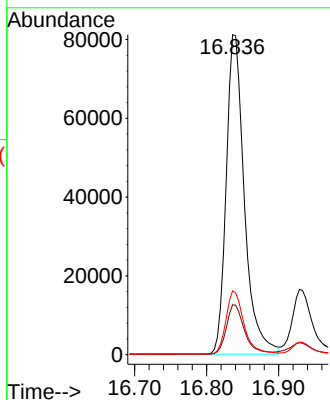
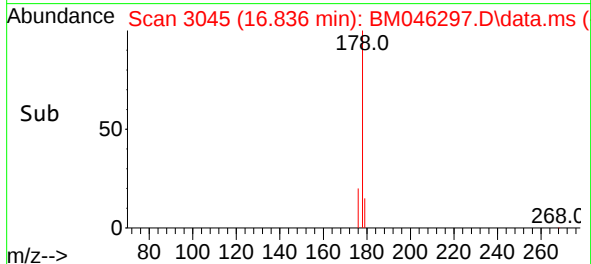
Instrument :
BNA_M
ClientSampleId :
A4C78DL



Tgt Ion:178 Resp: 142100
Ion Ratio Lower Upper
178 100
179 15.6 14.2 21.2
176 20.0 17.1 25.7

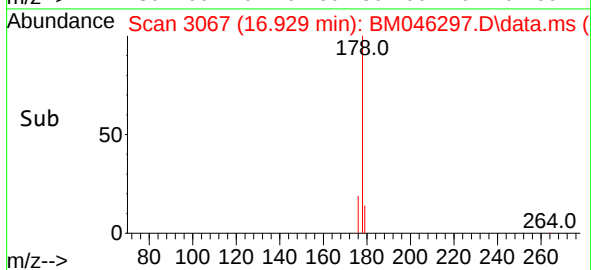
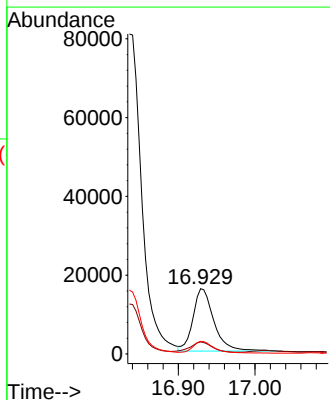
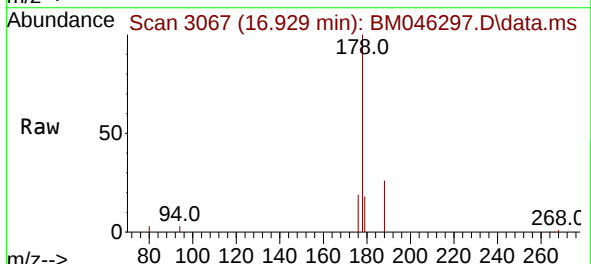
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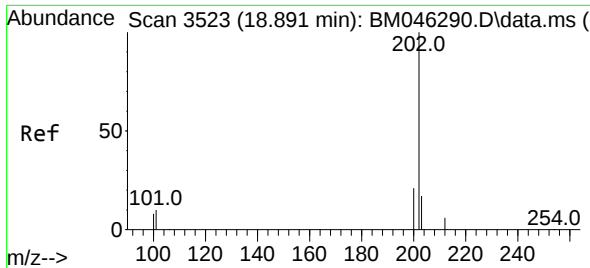
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#16
Anthracene
Concen: 1.690 ng/u1
RT: 16.929 min Scan# 3067
Delta R.T. -0.077 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

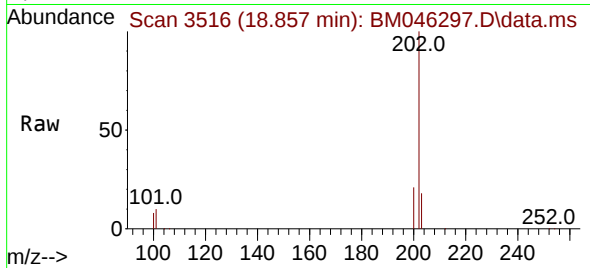
Tgt Ion:178 Resp: 30040
Ion Ratio Lower Upper
178 100
179 18.3 14.9 22.3
176 19.3 17.0 25.4





#19
Fluoranthene
Concen: 10.427 ng/u1
RT: 18.857 min Scan# 31056
Delta R.T. -0.048 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

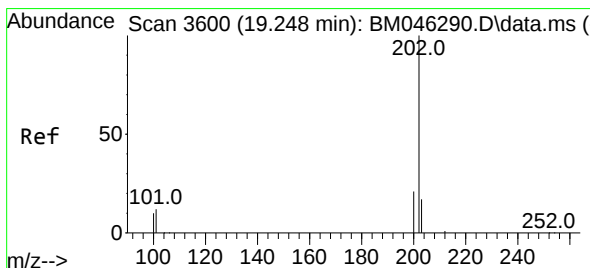
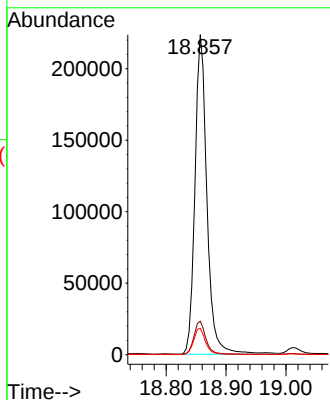
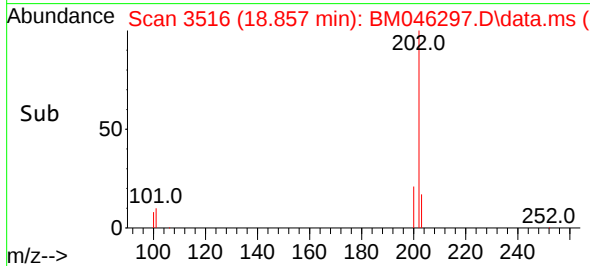
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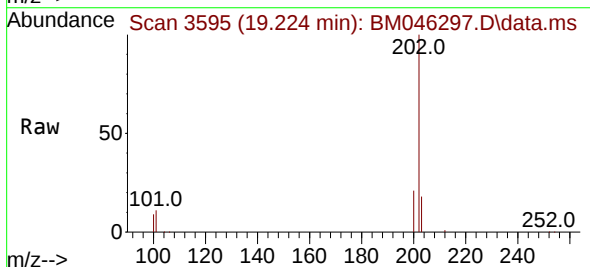
Tgt Ion:202 Resp: 31056
Ion Ratio Lower Upper
202 100
101 10.4 9.6 14.4
100 8.2 7.6 11.4

Manual Integrations
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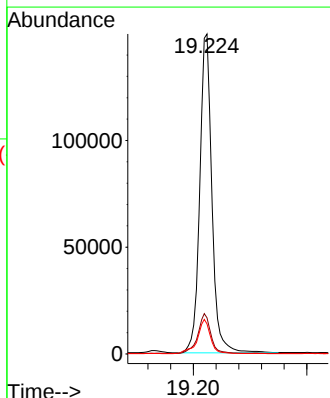
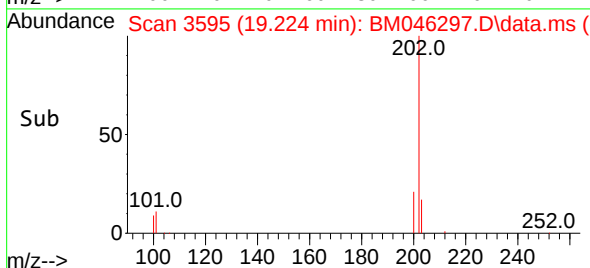
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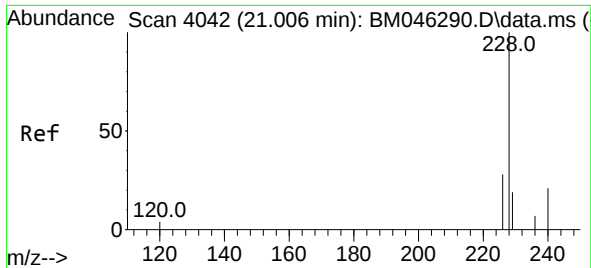


#20
Pyrene
Concen: 6.901 ng/u1
RT: 19.224 min Scan# 3595
Delta R.T. -0.034 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30



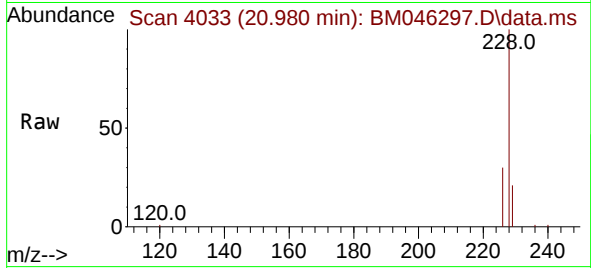
Tgt Ion:202 Resp: 222278
Ion Ratio Lower Upper
202 100
101 11.3 11.3 16.9
100 9.4 9.8 14.6#





#21
Benzo(a)anthracene
Concen: 4.867 ng/ul
RT: 20.980 min Scan# 4042
Delta R.T. -0.032 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

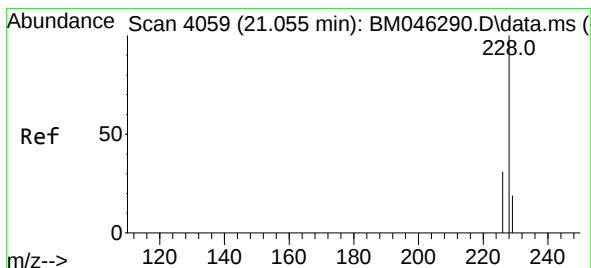
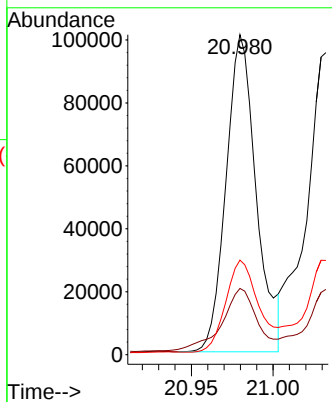
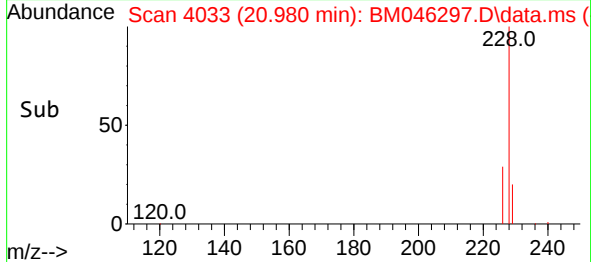
Instrument :
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ClientSampleId :
A4C78DL



Tgt Ion:228 Resp: 12933
Ion Ratio Lower Upper
228 100
229 20.7 16.4 24.6
226 29.6 23.4 35.2

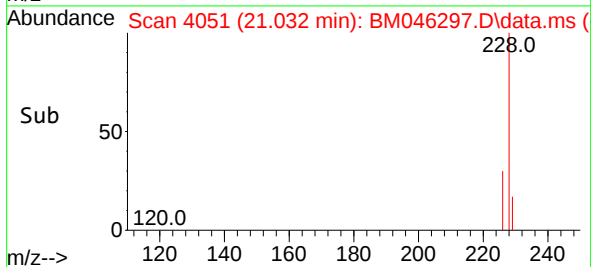
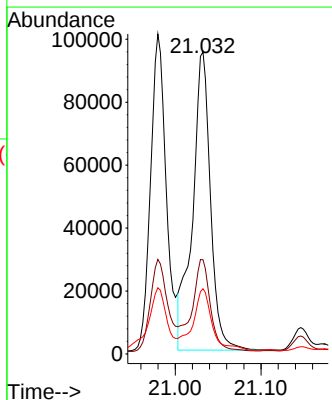
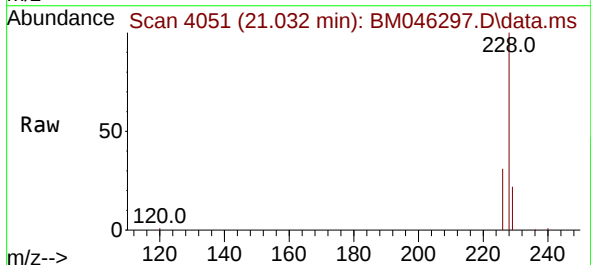
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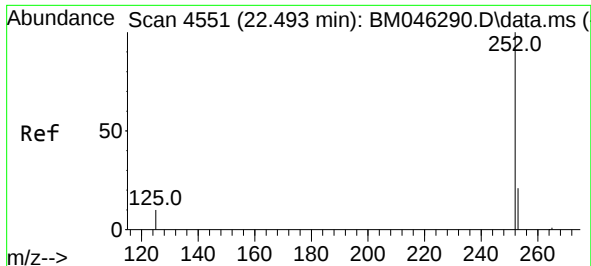
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#22
Chrysene
Concen: 4.091 ng/ul
RT: 21.032 min Scan# 4051
Delta R.T. -0.026 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

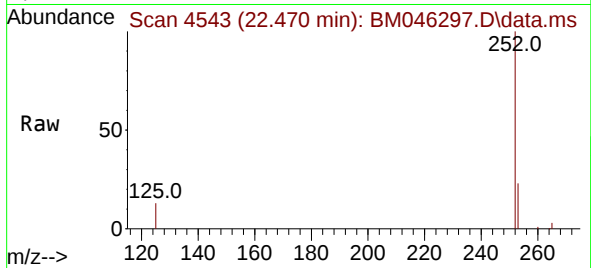
Tgt Ion:228 Resp: 138732
Ion Ratio Lower Upper
228 100
226 31.2 25.2 37.8
229 21.6 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 6.502 ng/ul m
RT: 22.470 min Scan# 4543
Delta R.T. -0.026 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

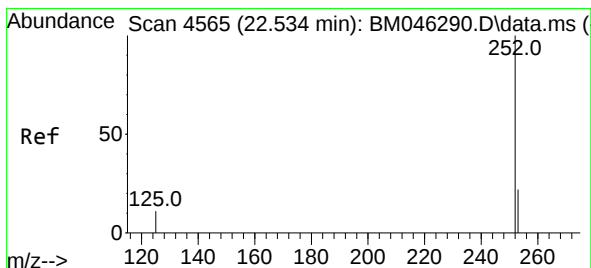
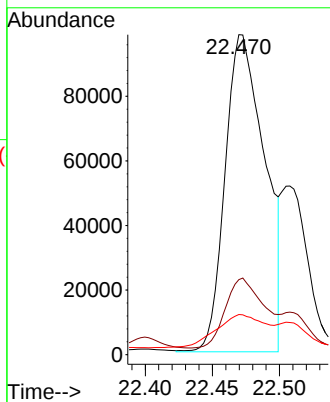
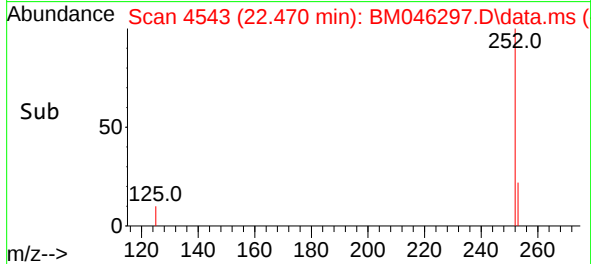
Instrument :
BNA_M
ClientSampleId :
A4C78DL



Tgt Ion:252 Resp: 20188
Ion Ratio Lower Upper
252 100
253 23.5 0.0 65.8
125 12.5 0.0 40.2

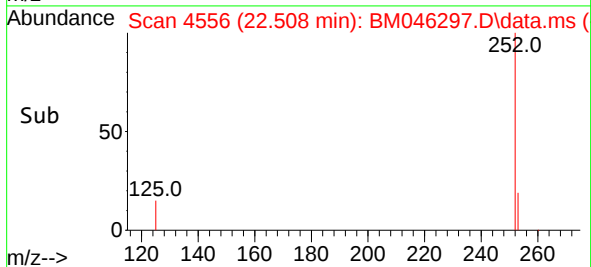
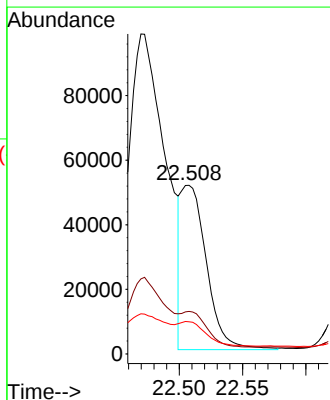
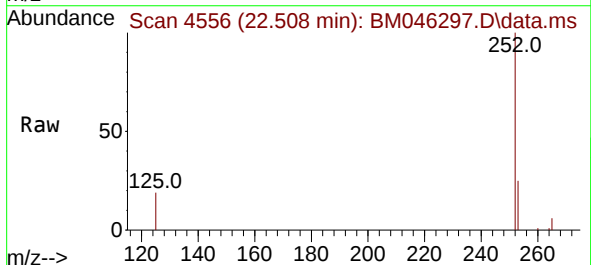
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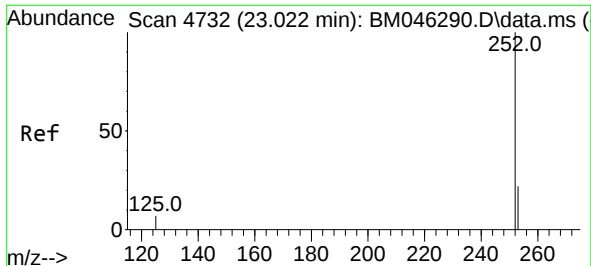
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#25
Benzo(k)fluoranthene
Concen: 1.936 ng/ul m
RT: 22.508 min Scan# 4556
Delta R.T. -0.029 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

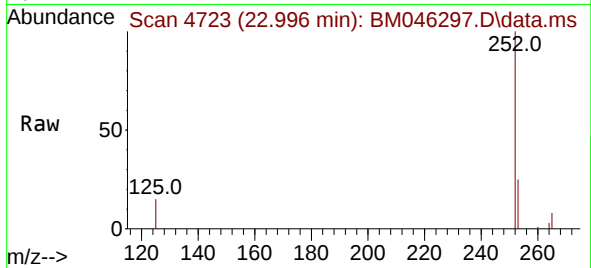
Tgt Ion:252 Resp: 71458
Ion Ratio Lower Upper
252 100
253 25.2 27.2 40.8#
125 19.1 16.6 25.0





#26
Benzo(a)pyrene
Concen: 2.751 ng/ul
RT: 22.996 min Scan# 4732
Delta R.T. -0.032 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

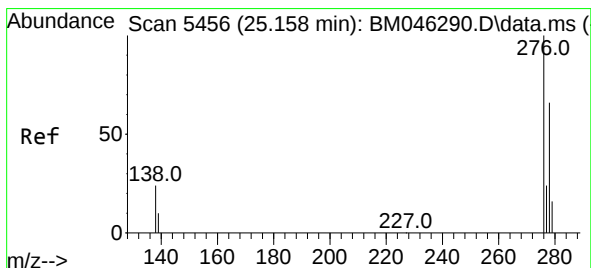
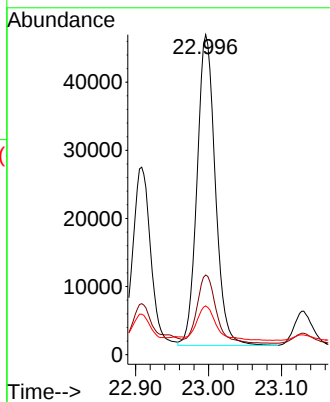
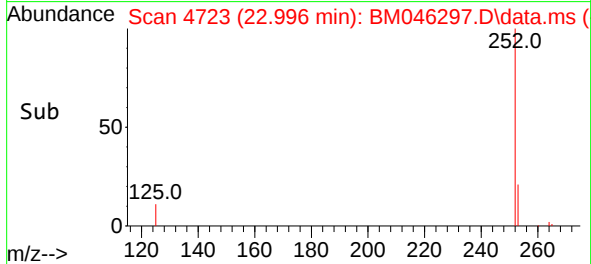
Instrument :
BNA_M
ClientSampleId :
A4C78DL



Tgt Ion:252 Resp: 7914
Ion Ratio Lower Upper
252 100
253 24.9 32.1 48.1
125 15.3 21.2 31.8

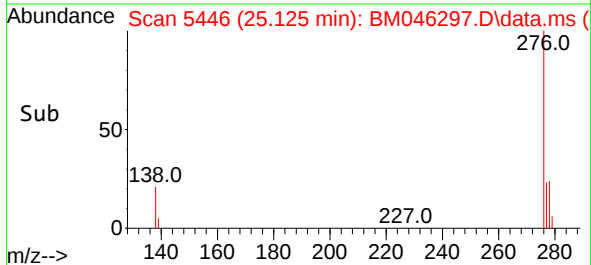
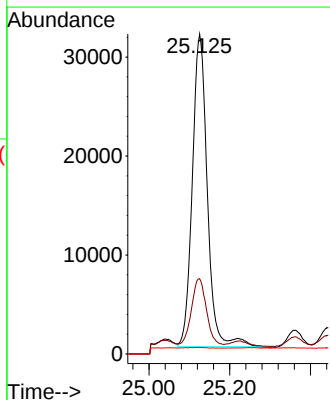
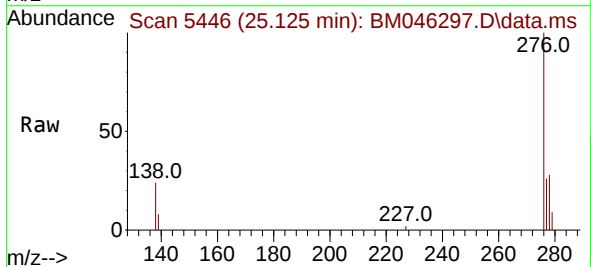
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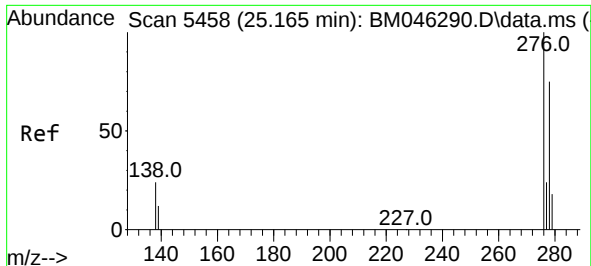
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.725 ng/ul
RT: 25.125 min Scan# 5446
Delta R.T. -0.043 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

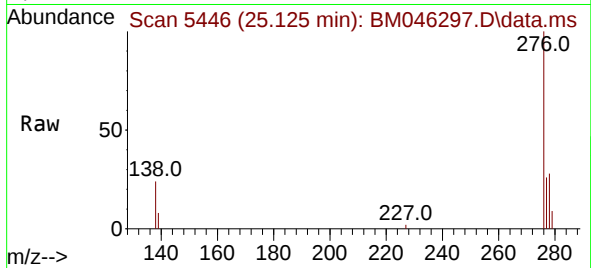
Tgt Ion:276 Resp: 81227
Ion Ratio Lower Upper
276 100
138 28.2 21.0 31.4
227 14.8 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.684 ng/ul
RT: 25.125 min Scan# 5458
Delta R.T. -0.057 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30

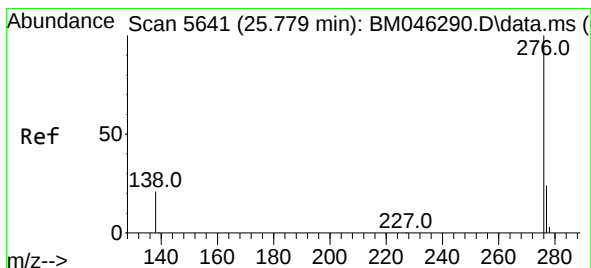
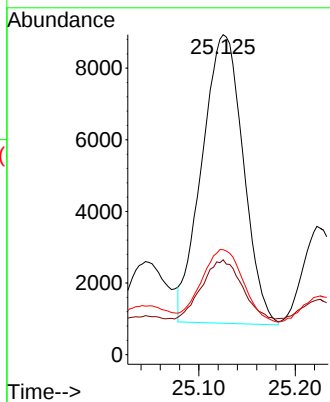
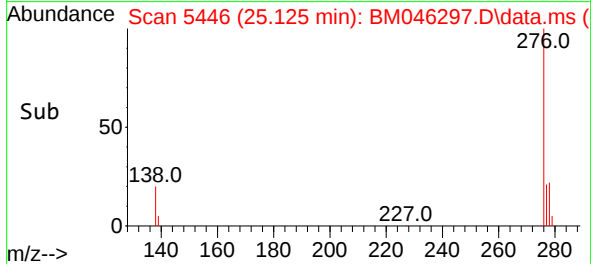
Instrument :
BNA_M
ClientSampleId :
A4C78DL



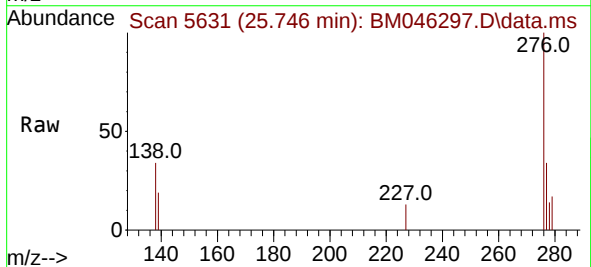
Tgt Ion: 278 Resp: 2398
Ion Ratio Lower Upper
278 100
139 29.6 17.6 26.4
279 32.8 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.313 ng/ul
RT: 25.746 min Scan# 5631
Delta R.T. -0.040 min
Lab File: BM046297.D
Acq: 25 Jun 2024 18:30



Tgt Ion: 276 Resp: 12626
Ion Ratio Lower Upper
276 100
138 34.3 21.7 32.5#
277 33.7 20.4 30.6#

