

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046296.D
 Acq On : 25 Jun 2024 17:53
 Operator : MA/JU
 Sample : P2844-16
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C78

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 23:28:13 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	7.396	152	2617m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.161	136	7898	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.039	164	4419	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.787	188	9763m	0.400	ng/ul	-0.07
17) Chrysene-d12	20.994	240	6484m	0.400	ng/ul	-0.03
23) Perylene-d12	23.086	264	9889m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	8813	2.455	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.767	152	2278	0.215	ng/ul	-0.10
18) Fluoranthene-d10	18.821	212	5395m	0.278	ng/ul	-0.05
Target Compounds					Qvalue	
5) Naphthalene	10.211	128	18854	0.856	ng/ul	95
7) 2-Methylnaphthalene	11.844	142	7355	0.593	ng/ul	96
8) 1-Methylnaphthalene	12.058	142	5776	0.425	ng/ul	100
10) Acenaphthylene	13.757	152	50606	2.414	ng/ul	97
11) Acenaphthene	14.104	153	27360	1.808	ng/ul	98
12) Fluorene	15.099	166	34183	2.105	ng/ul	99
14) Pentachlorophenol	16.478	266	297	0.102	ng/ul	96
15) Phenanthrene	16.829	178	715029m	26.068	ng/ul	
16) Anthracene	16.922	178	140506m	6.878	ng/ul	
19) Fluoranthene	18.853	202	1451742m	51.710	ng/ul	
20) Pyrene	19.221	202	1024330m	33.738	ng/ul	
21) Benzo(a)anthracene	20.976	228	591254m	23.607	ng/ul	
22) Chrysene	21.029	228	672775m	21.049	ng/ul	
24) Benzo(b)fluoranthene	22.472	252	946234m	26.559	ng/ul	
25) Benzo(k)fluoranthene	22.510	252	361991m	8.546	ng/ul	
26) Benzo(a)pyrene	22.996	252	374818m	11.353	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.125	276	362396m	6.707	ng/ul	
28) Dibenzo(a,h)anthracene	25.125	278	119259m	2.965	ng/ul	
29) Benzo(g,h,i)perylene	25.749	276	60465m	1.305	ng/ul	

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

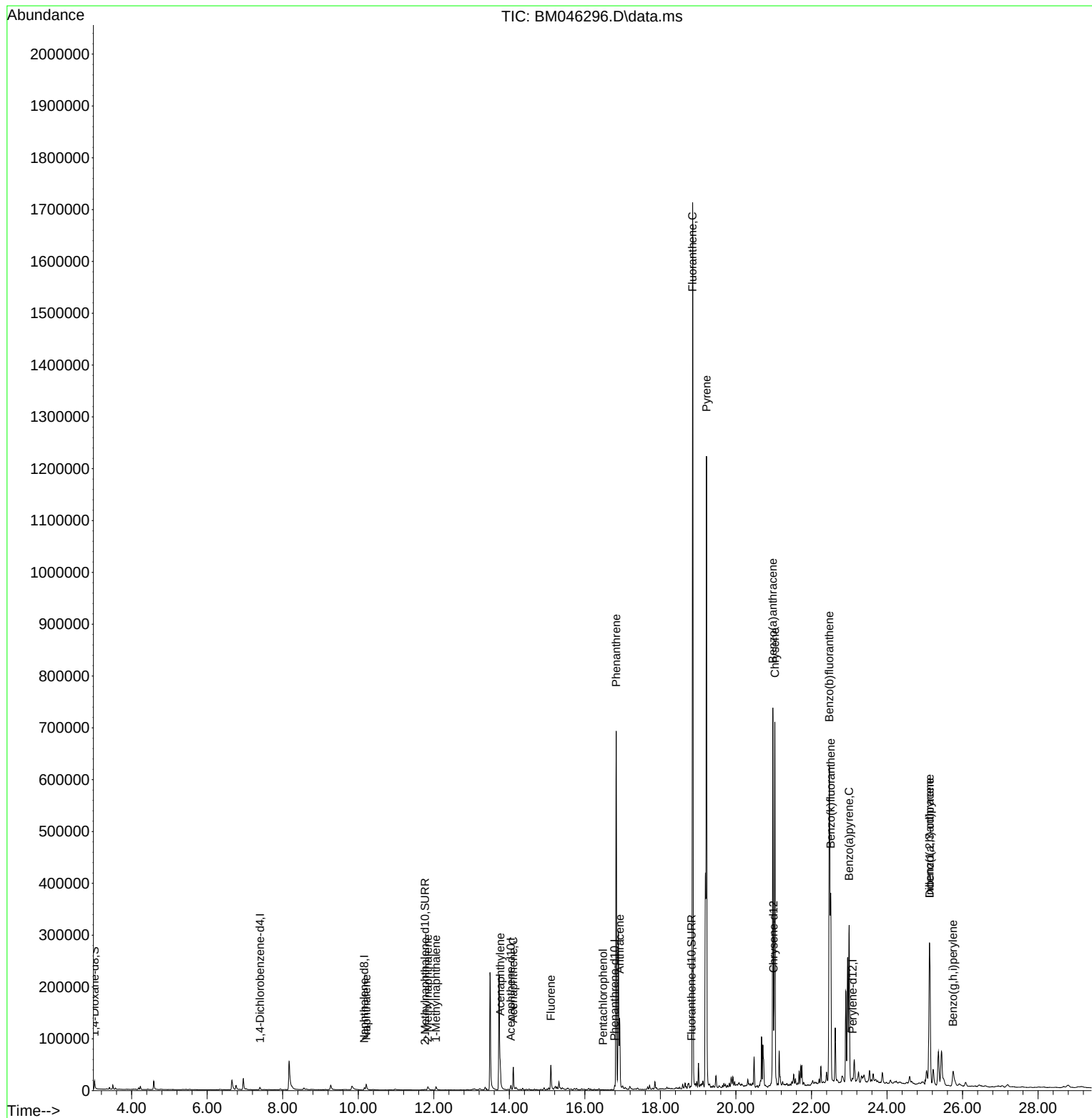
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046296.D
Acq On : 25 Jun 2024 17:53
Operator : MA/JU
Sample : P2844-16
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ALS Vial : 56 Sample Multiplier: 1

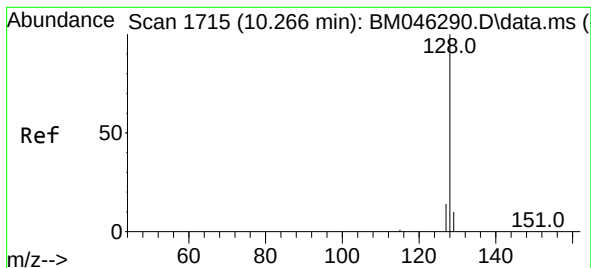
Instrument :
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Quant Time: Jun 25 23:28:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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#5

Naphthalene

Concen: 0.856 ng/ul

RT: 10.211 min Scan# 11

Delta R.T. -0.094 min

Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

Instrument :

BNA_M

ClientSampleId :

A4C78

Tgt Ion:128 Resp: 18854

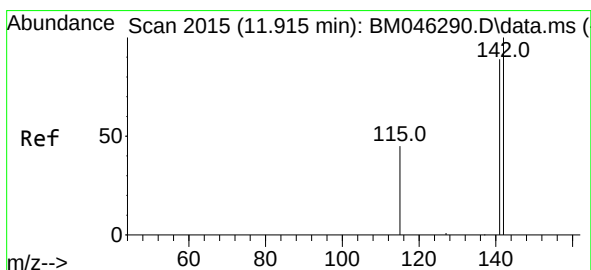
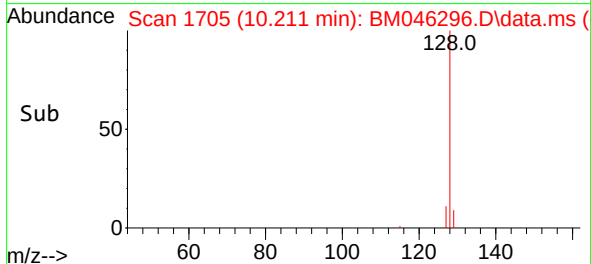
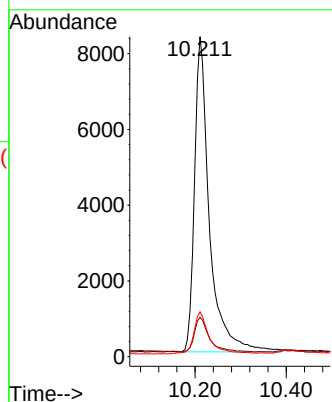
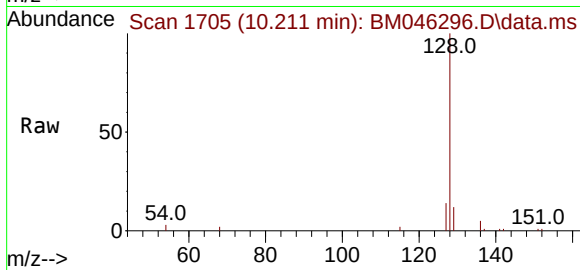
Ion	Ratio	Lower	Upper
128	100		
129	12.3	11.8	17.6
127	14.0	12.8	19.2

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.593 ng/ul

RT: 11.844 min Scan# 2002

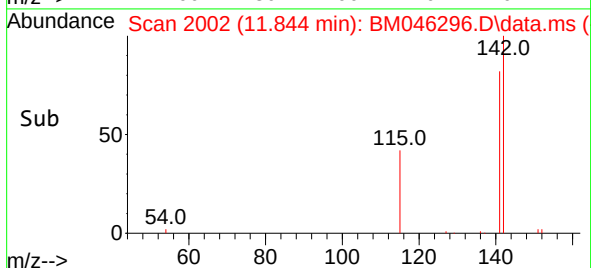
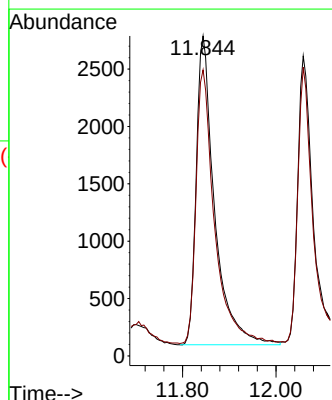
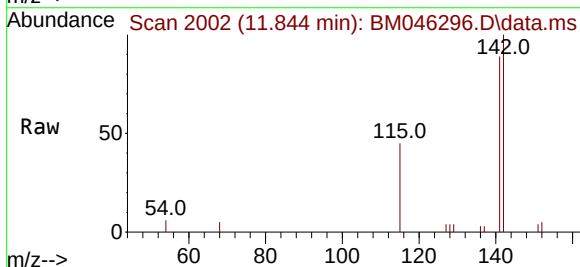
Delta R.T. -0.110 min

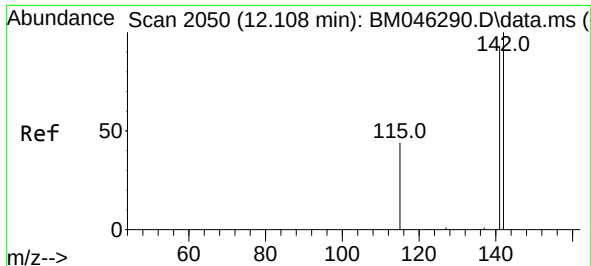
Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

Tgt Ion:142 Resp: 7355

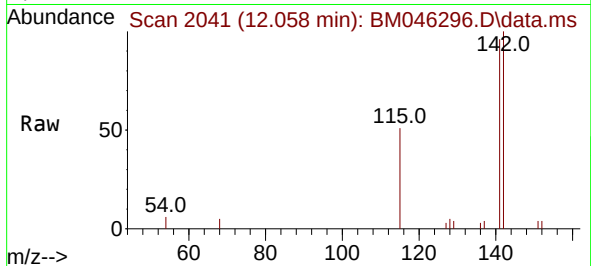
Ion	Ratio	Lower	Upper
142	100		
141	89.6	74.6	111.8





#8
1-Methylnaphthalene
Concen: 0.425 ng/ul
RT: 12.058 min Scan# 2050
Delta R.T. -0.077 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

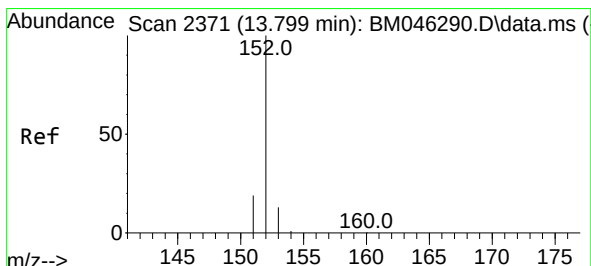
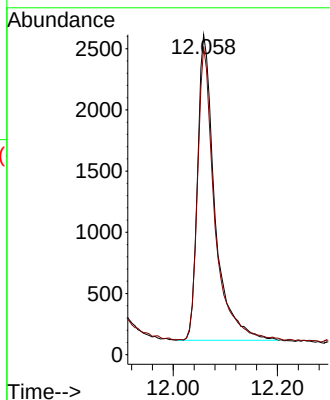
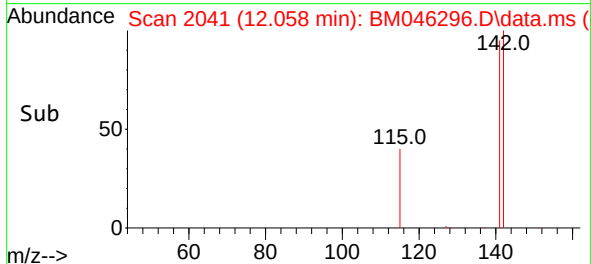
Instrument :
BNA_M
ClientSampleId :
A4C78



Tgt Ion:142 Resp: 5770
Ion Ratio Lower Upper
142 100
141 93.6 75.2 112.8

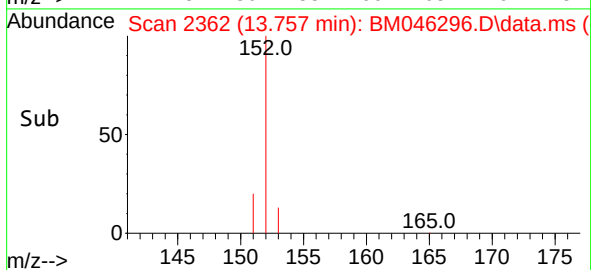
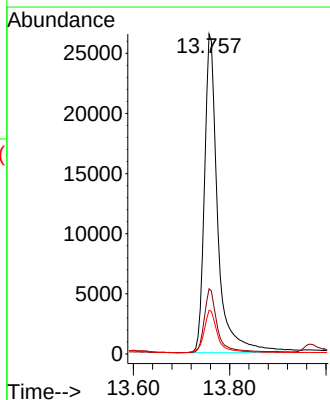
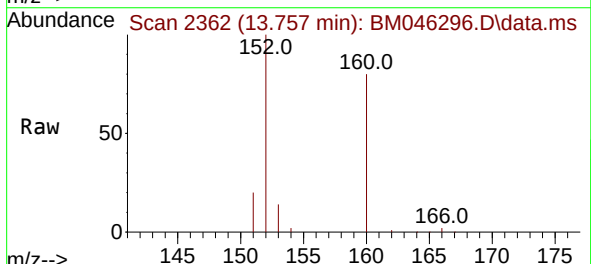
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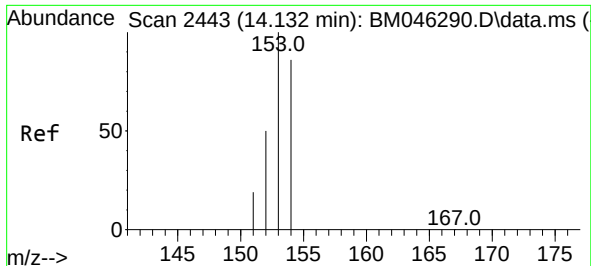
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 2.414 ng/ul
RT: 13.757 min Scan# 2362
Delta R.T. -0.060 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

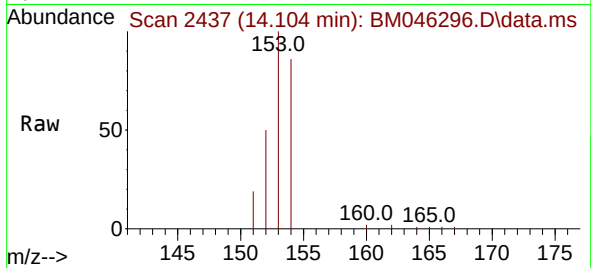
Tgt Ion:152 Resp: 50606
Ion Ratio Lower Upper
152 100
151 20.4 17.4 26.2
153 13.6 11.8 17.8





#11
Acenaphthene
Concen: 1.808 ng/u1
RT: 14.104 min Scan# 2443
Delta R.T. -0.042 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

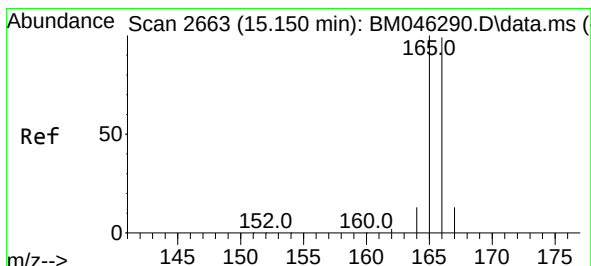
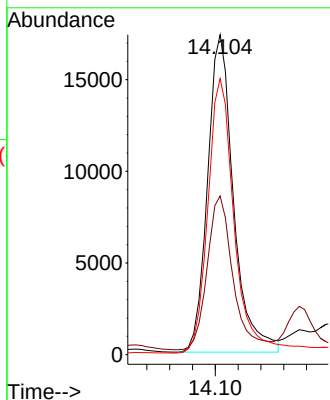
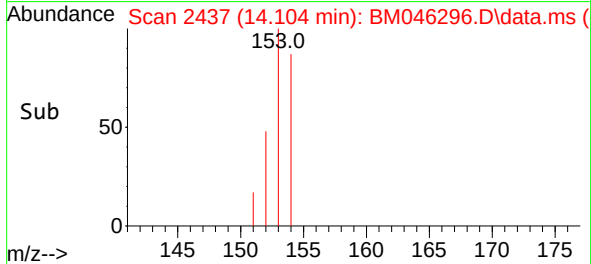
Instrument :
BNA_M
ClientSampleId :
A4C78



Tgt Ion:153 Resp: 27360
Ion Ratio Lower Upper
153 100
152 49.6 41.3 61.9
154 86.3 68.2 102.4

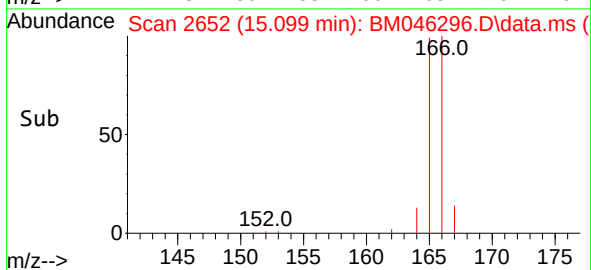
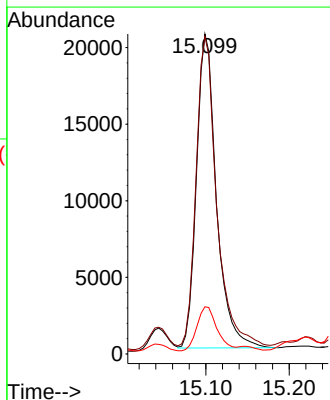
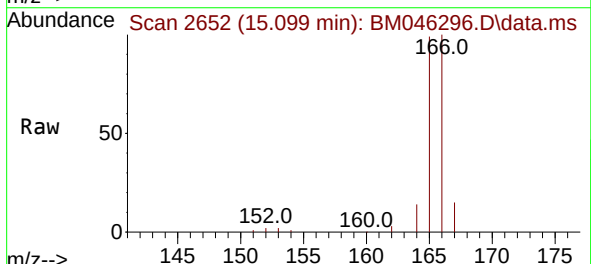
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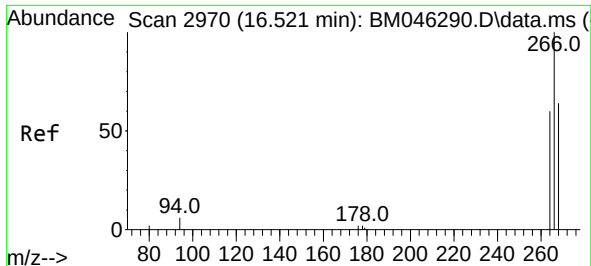
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#12
Fluorene
Concen: 2.105 ng/u1
RT: 15.099 min Scan# 2652
Delta R.T. -0.069 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

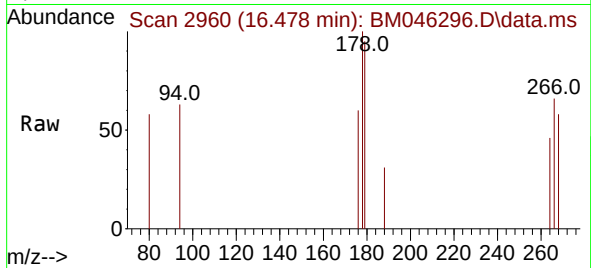
Tgt Ion:166 Resp: 34183
Ion Ratio Lower Upper
166 100
165 99.2 80.4 120.6
167 14.8 12.4 18.6





#14
Pentachlorophenol
Concen: 0.102 ng/ul
RT: 16.478 min Scan# 2970
Delta R.T. -0.055 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

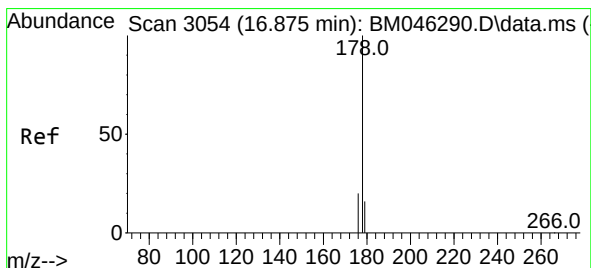
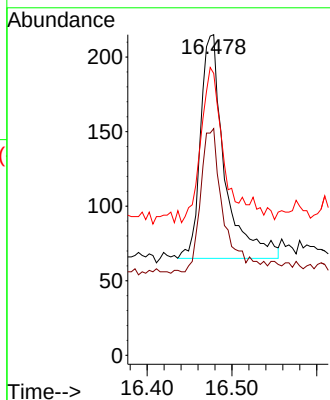
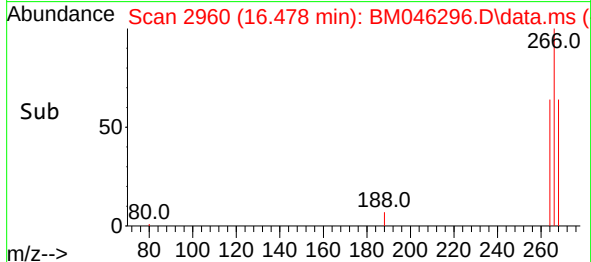
Instrument :
BNA_M
ClientSampleId :
A4C78



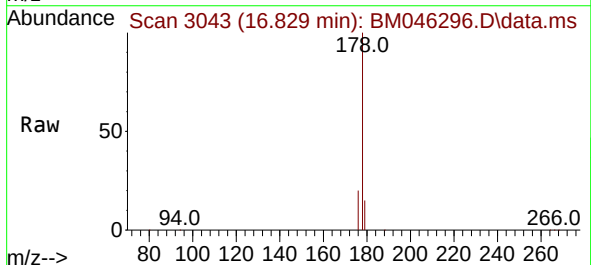
Tgt Ion:266 Resp: 2970
Ion Ratio Lower Upper
266 100
264 60.6 50.9 76.3
268 69.4 52.3 78.5

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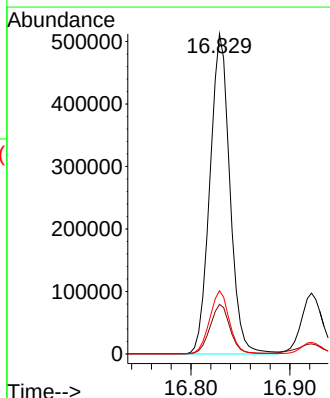
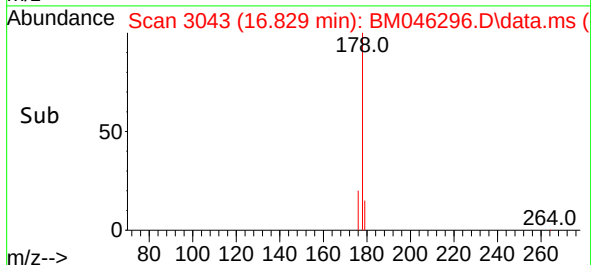
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

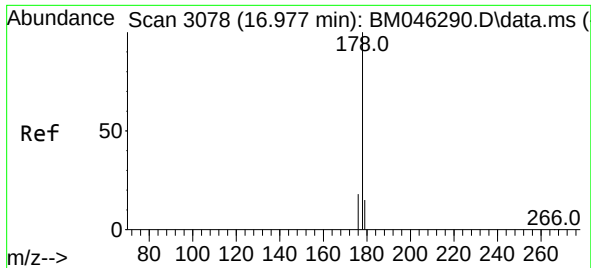


#15
Phenanthrene
Concen: 26.068 ng/ul m
RT: 16.829 min Scan# 3043
Delta R.T. -0.059 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53



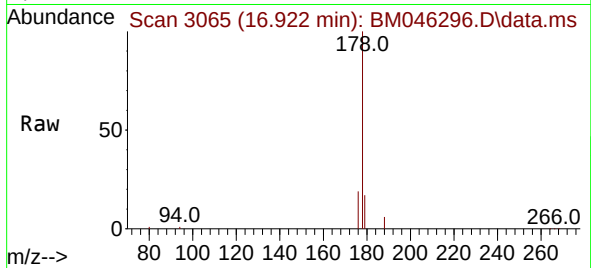
Tgt Ion:178 Resp: 715029
Ion Ratio Lower Upper
178 100
179 15.5 14.2 21.2
176 19.7 17.1 25.7





#16
 Anthracene
 Concen: 6.878 ng/ul m
 RT: 16.922 min Scan# 3078
 Delta R.T. -0.084 min
 Lab File: BM046296.D
 Acq: 25 Jun 2024 17:53

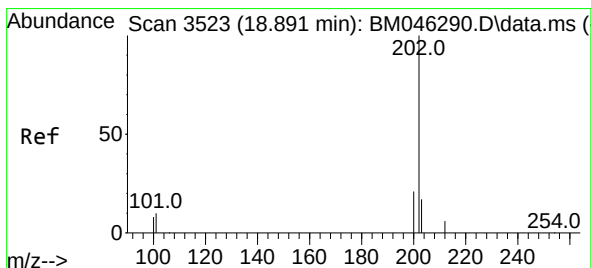
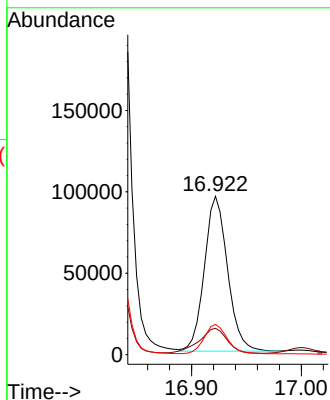
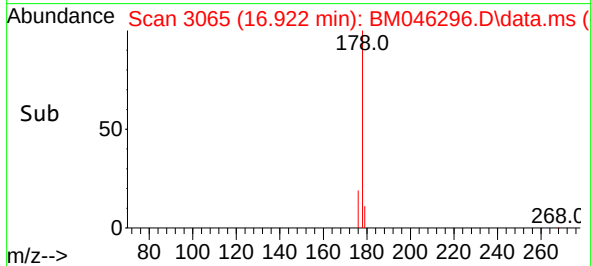
Instrument :
 BNA_M
 ClientSampleId :
 A4C78



Tgt Ion:178 Resp: 140500
 Ion Ratio Lower Upper
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 179 16.6 14.9 22.3
 176 19.1 17.0 25.4

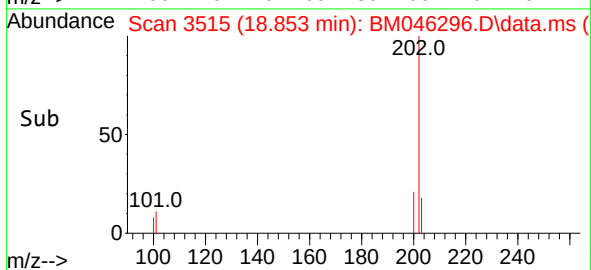
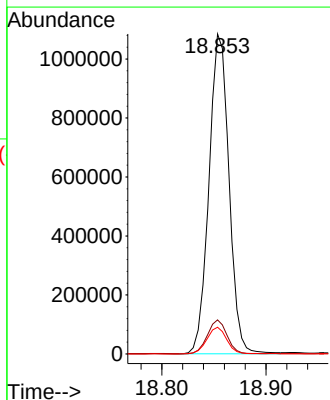
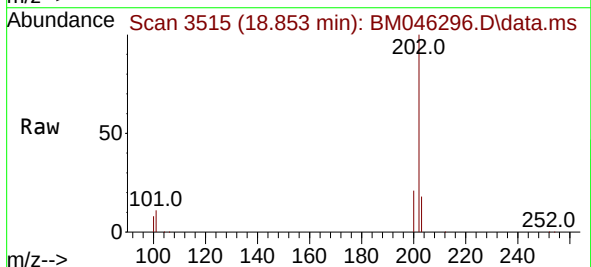
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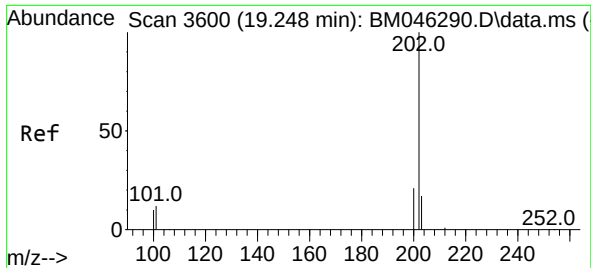
Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



#19
 Fluoranthene
 Concen: 51.710 ng/ul m
 RT: 18.853 min Scan# 3515
 Delta R.T. -0.051 min
 Lab File: BM046296.D
 Acq: 25 Jun 2024 17:53

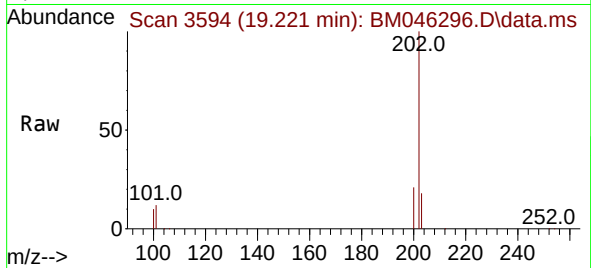
Tgt Ion:202 Resp: 1451742
 Ion Ratio Lower Upper
 202 100
 101 10.6 9.6 14.4
 100 8.4 7.6 11.4





#20
Pyrene
Concen: 33.738 ng/ul m
RT: 19.221 min Scan# 3
Delta R.T. -0.037 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

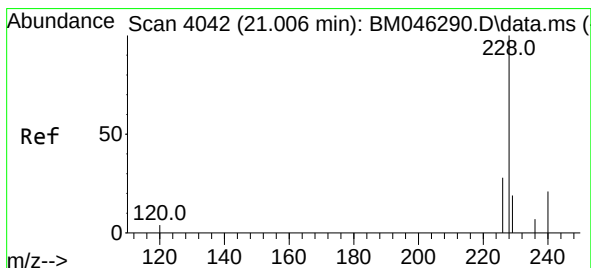
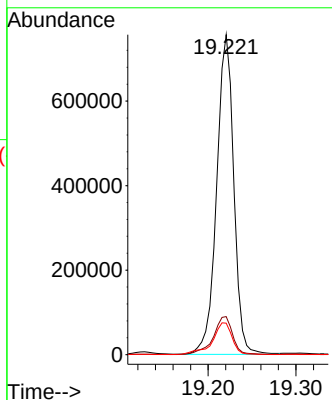
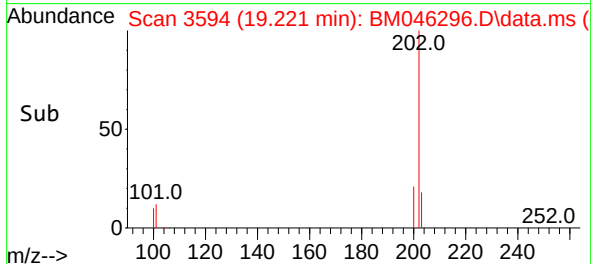
Instrument :
BNA_M
ClientSampleId :
A4C78



Tgt Ion:202 Resp: 1024330
Ion Ratio Lower Upper
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101 11.9 11.3 16.9
100 9.8 9.8 14.6

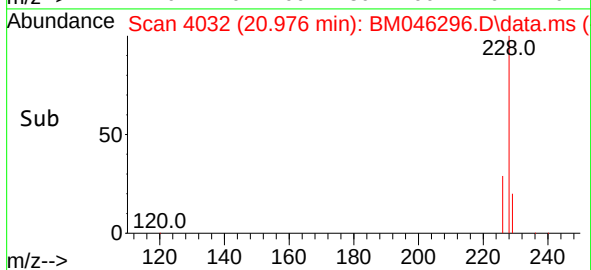
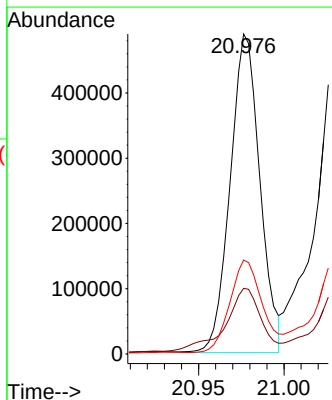
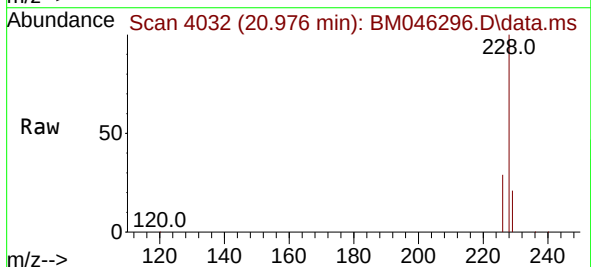
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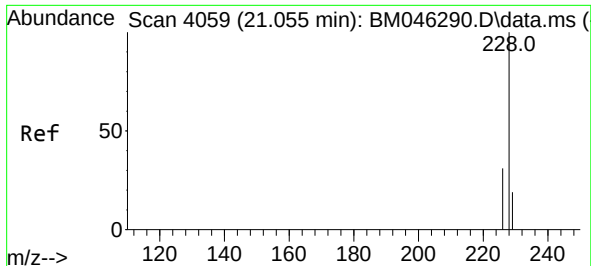
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#21
Benzo(a)anthracene
Concen: 23.607 ng/ul m
RT: 20.976 min Scan# 4032
Delta R.T. -0.035 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

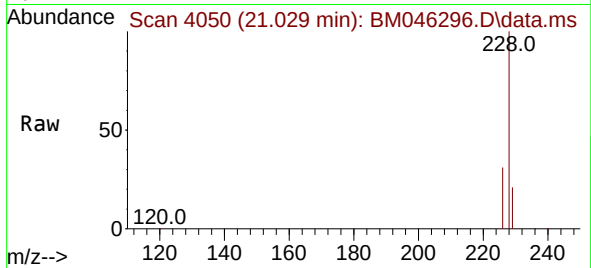
Tgt Ion:228 Resp: 591254
Ion Ratio Lower Upper
228 100
229 20.5 16.4 24.6
226 29.4 23.4 35.2





#22
Chrysene
Concen: 21.049 ng/ul m
RT: 21.029 min Scan# 4059
Delta R.T. -0.029 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

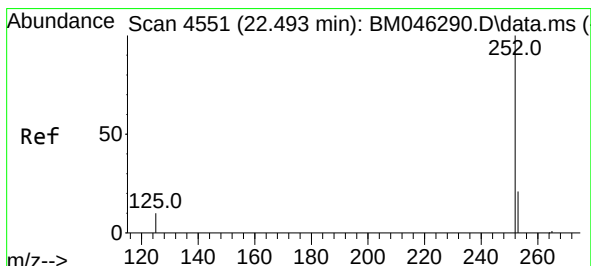
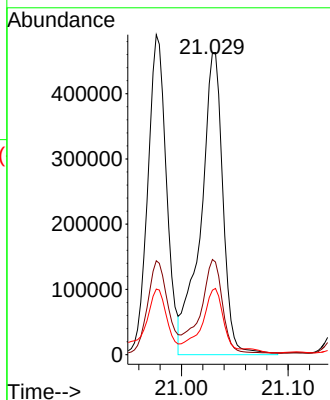
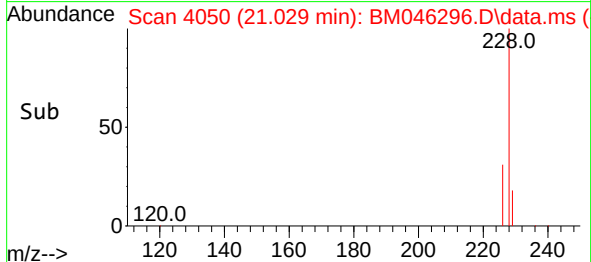
Instrument :
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Tgt Ion:228 Resp: 672775
Ion Ratio Lower Upper
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226 31.5 25.2 37.8
229 21.3 16.3 24.5

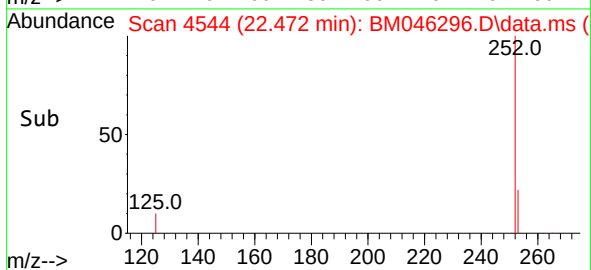
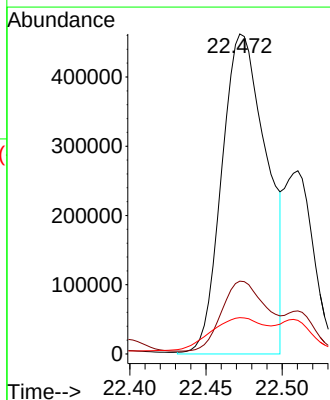
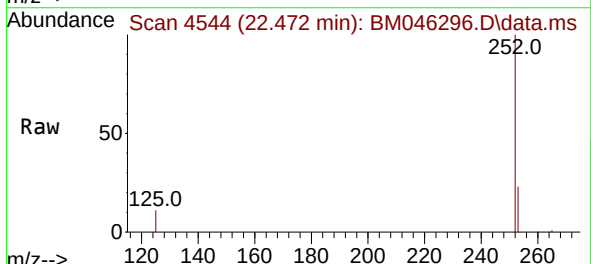
Manual Integrations
APPROVED

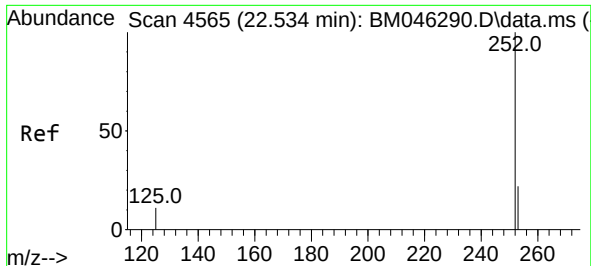
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#24
Benzo(b)fluoranthene
Concen: 26.559 ng/ul m
RT: 22.472 min Scan# 4544
Delta R.T. -0.023 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

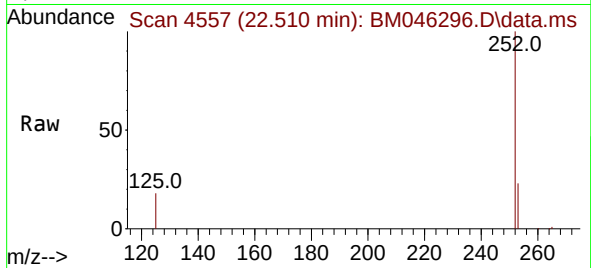
Tgt Ion:252 Resp: 946234
Ion Ratio Lower Upper
252 100
253 22.7 0.0 65.8
125 11.4 0.0 40.2





#25
Benzo(k)fluoranthene
Concen: 8.546 ng/ul m
RT: 22.510 min Scan# 4557
Delta R.T. -0.026 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

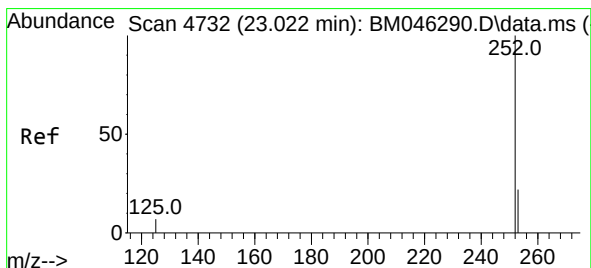
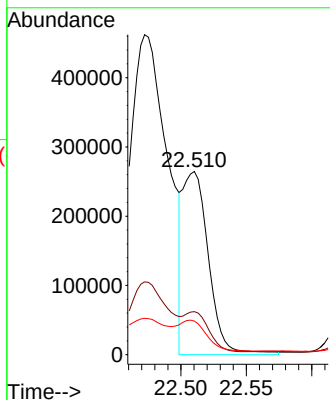
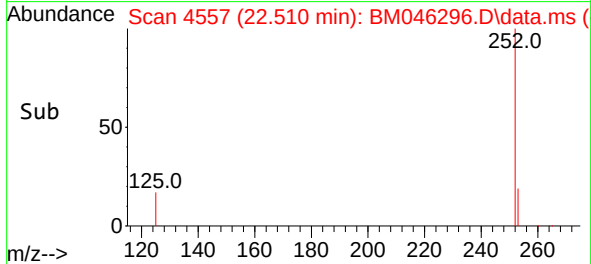
Instrument :
BNA_M
ClientSampleId :
A4C78



Tgt Ion:252 Resp: 36199
Ion Ratio Lower Upper
252 100
253 23.5 27.2 40.8
125 18.4 16.6 25.0

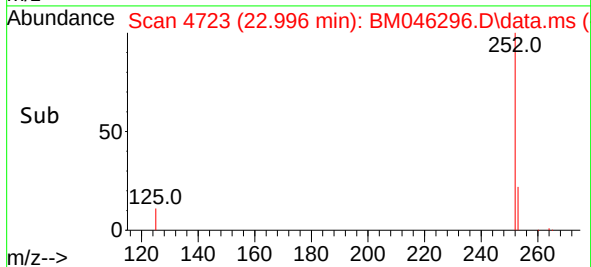
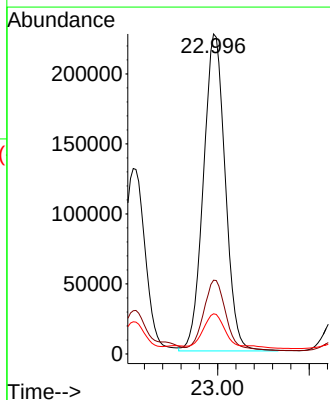
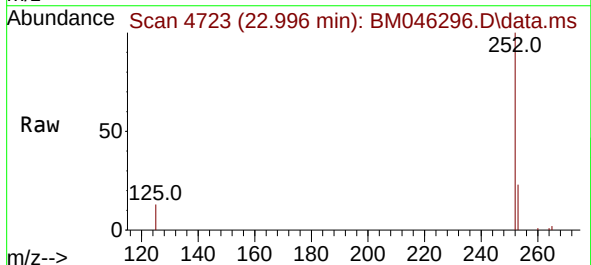
Manual Integrations
APPROVED

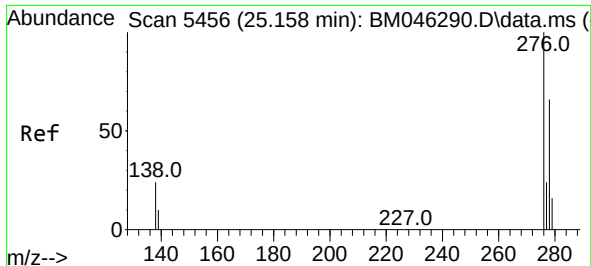
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#26
Benzo(a)pyrene
Concen: 11.353 ng/ul m
RT: 22.996 min Scan# 4723
Delta R.T. -0.032 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

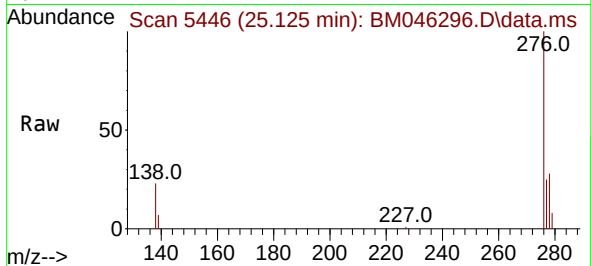
Tgt Ion:252 Resp: 374818
Ion Ratio Lower Upper
252 100
253 23.1 32.1 48.1#
125 12.5 21.2 31.8#





#27
Indeno(1,2,3-cd)pyrene
Concen: 6.707 ng/ul m
RT: 25.125 min Scan# 5446
Delta R.T. -0.044 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

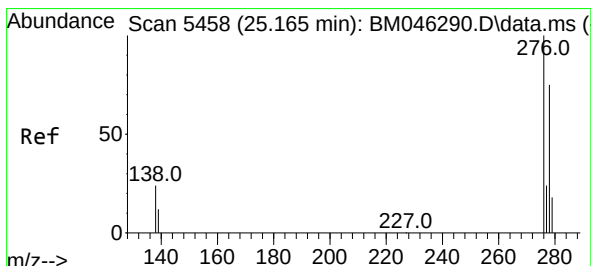
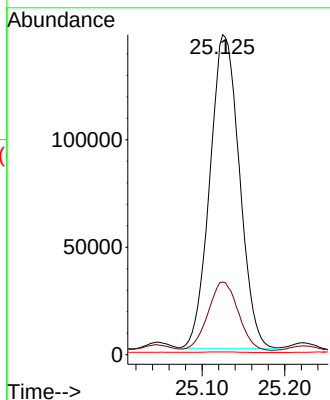
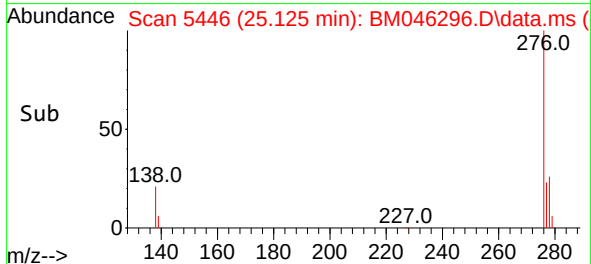
Instrument :
BNA_M
ClientSampleId :
A4C78



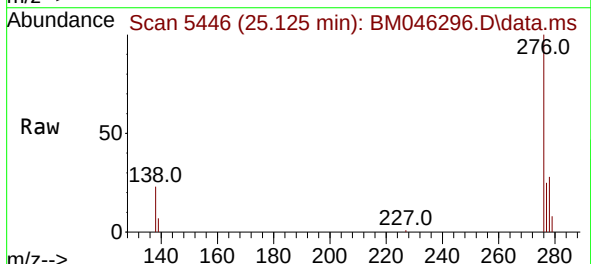
Tgt Ion:276 Resp: 362390
Ion Ratio Lower Upper
276 100
138 2.0 21.0 31.4
227 0.1 0.0 0.0

Manual Integrations
APPROVED

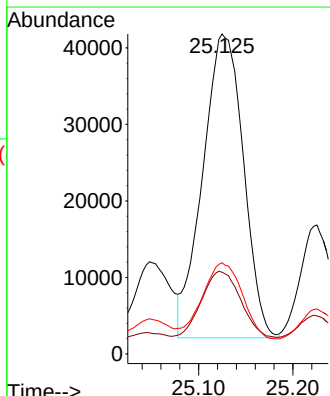
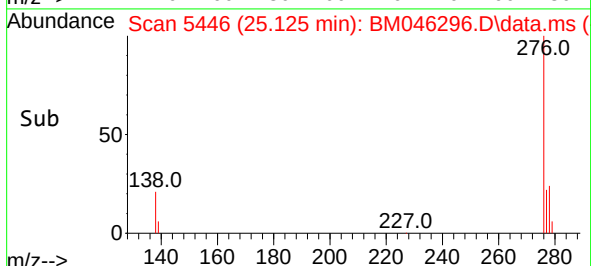
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

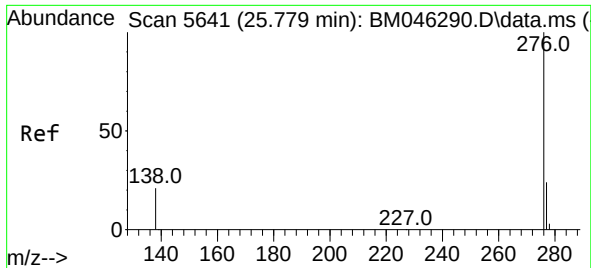


#28
Dibenzo(a,h)anthracene
Concen: 2.965 ng/ul m
RT: 25.125 min Scan# 5446
Delta R.T. -0.057 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53



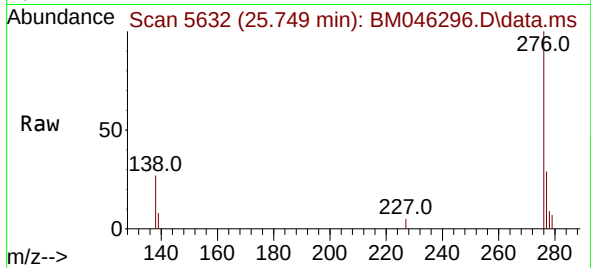
Tgt Ion:278 Resp: 119259
Ion Ratio Lower Upper
278 100
139 25.6 17.6 26.4
279 28.5 26.3 39.5





#29
Benzo(g,h,i)perylene
Concen: 1.305 ng/ul m
RT: 25.749 min Scan# 50
Delta R.T. -0.037 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Instrument :
BNA_M
ClientSampleId :
A4C78



Tgt Ion:276 Resp: 6046
Ion Ratio Lower Upper
276 100
138 27.2 21.7 32.5
277 28.5 20.4 30.6

Manual Integrations
APPROVED

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

