

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045937.D
 Acq On : 09 Jun 2024 04:24
 Operator : MA/JU
 Sample : P2640-20DL 5X
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C24DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:31:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	5656	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	18234	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.104	164	10101	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.850	188	21315	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	16656	0.400	ng/ul	-0.01
23) Perylene-d12	23.148	264	20116m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	4933	0.766	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.844	152	1242	0.047	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	3329	0.067	ng/ul	-0.02
Target Compounds					Qvalue	
5) Naphthalene	10.288	128	12556	0.263	ng/ul	99
7) 2-Methylnaphthalene	11.915	142	11365	0.374	ng/ul	100
8) 1-Methylnaphthalene	12.135	142	10944	0.331	ng/ul	99
10) Acenaphthylene	13.827	152	4436	0.097	ng/ul#	85
11) Acenaphthene	14.169	153	59819	1.772	ng/ul	98
12) Fluorene	15.159	166	58656	1.554	ng/ul	99
15) Phenanthrene	16.888	178	692528	11.572	ng/ul	99
16) Anthracene	16.981	178	167986	3.291	ng/ul	98
19) Fluoranthene	18.909	202	690072	10.390	ng/ul	98
20) Pyrene	19.272	202	524100	7.565	ng/ul	98
21) Benzo(a)anthracene	21.023	228	314318	5.141	ng/ul	99
22) Chrysene	21.076	228	287344	4.317	ng/ul	97
24) Benzo(b)fluoranthene	22.525	252	297459m	4.458	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	121645m	1.659	ng/ul	
26) Benzo(a)pyrene	23.054	252	151882	2.289	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.205	276	102042	1.189	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.212	278	37149	0.542	ng/ul	96
29) Benzo(g,h,i)perylene	25.836	276	15649	0.211	ng/ul	92

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

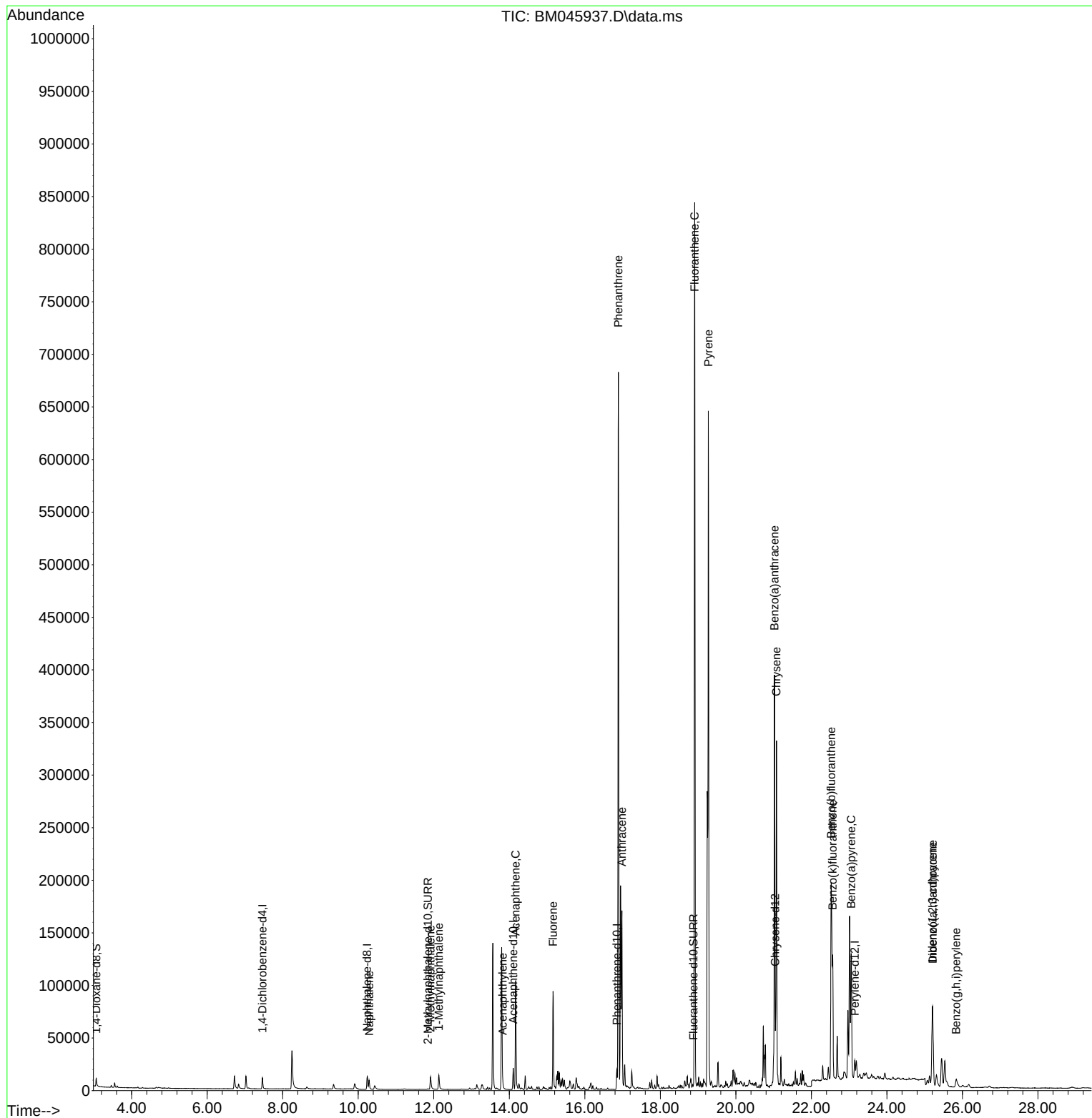
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
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ALS Vial : 66 Sample Multiplier: 1

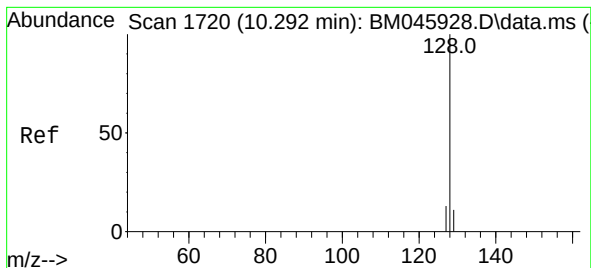
Instrument :
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#5

Naphthalene

Concen: 0.263 ng/ul

RT: 10.288 min Scan# 1719

Delta R.T. -0.015 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

Instrument :

BNA_M

ClientSampleId :

A4C24DL

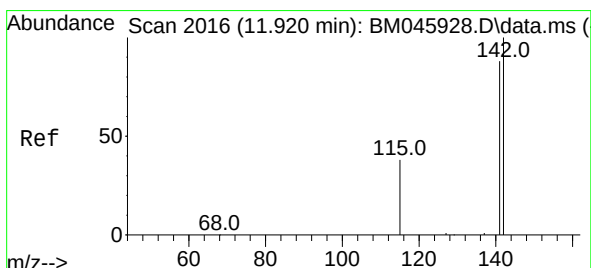
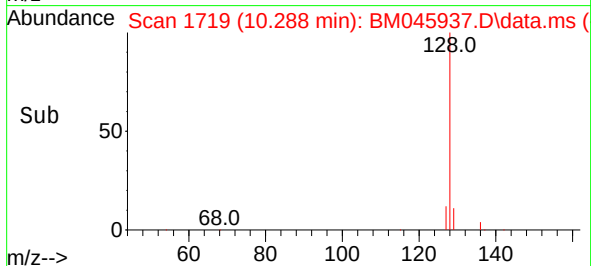
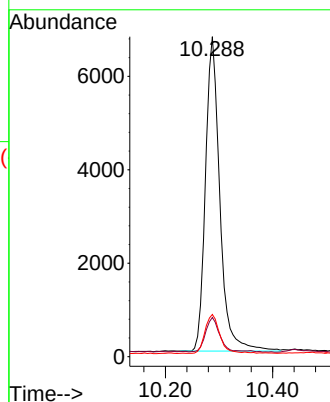
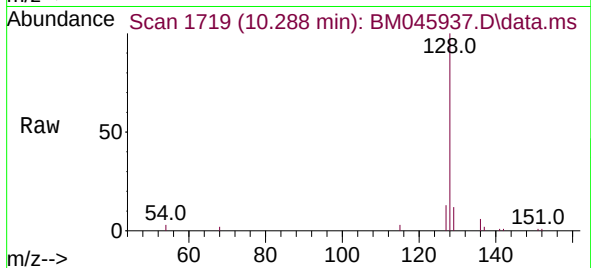
Tgt Ion:128	Resp:	1255
Ion Ratio	Lower	Upper
128	100	
129	12.3	9.4 14.0
127	13.2	10.6 15.8

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#7

2-Methylnaphthalene

Concen: 0.374 ng/ul

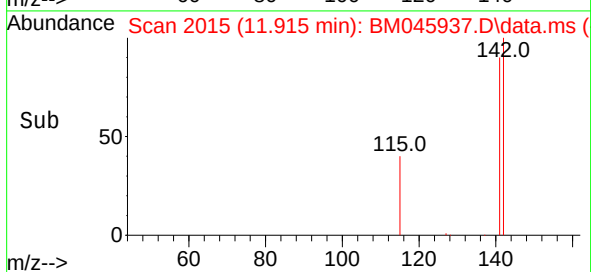
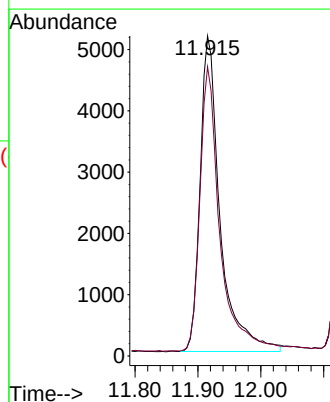
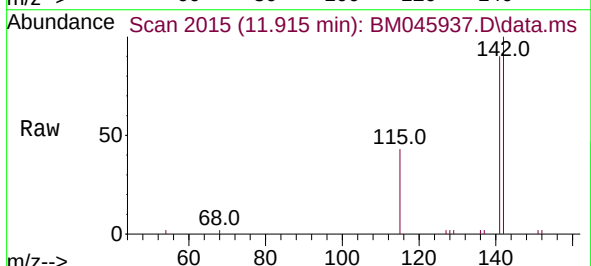
RT: 11.915 min Scan# 2015

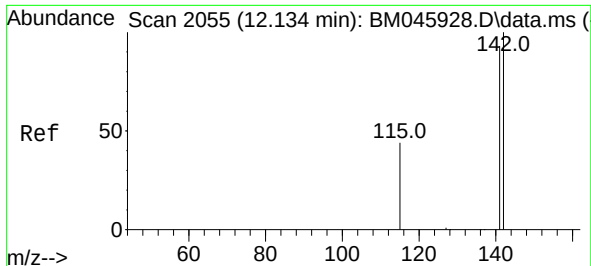
Delta R.T. -0.004 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

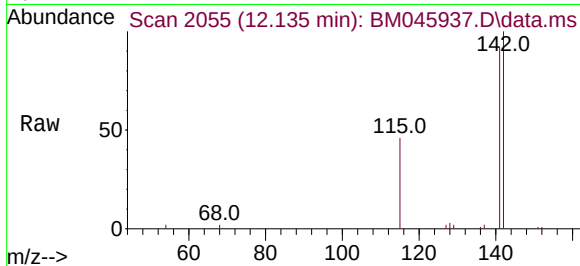
Tgt Ion:142	Resp:	11365
Ion Ratio	Lower	Upper
142	100	
141	89.8	72.2 108.4





#8
1-Methylnaphthalene
Concen: 0.331 ng/ul
RT: 12.135 min Scan# 2055
Delta R.T. -0.010 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

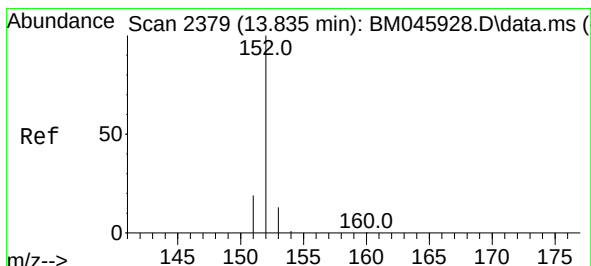
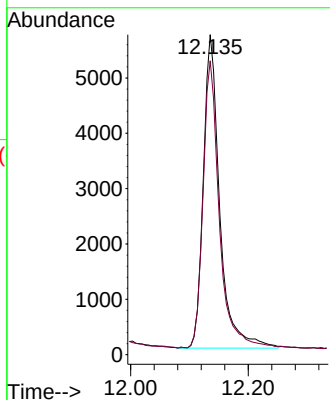
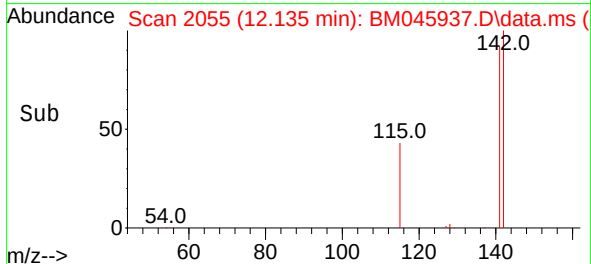
Instrument :
BNA_M
ClientSampleId :
A4C24DL



Tgt Ion:142 Resp: 1094
Ion Ratio Lower Upper
142 100
141 90.7 73.5 110.3

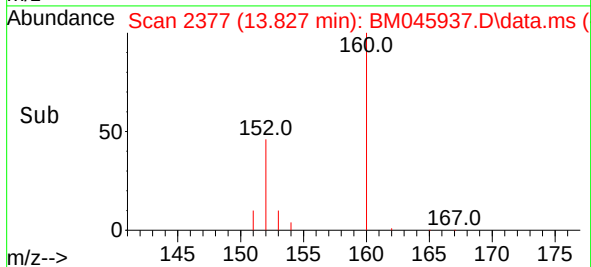
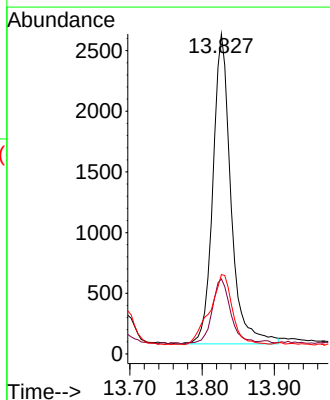
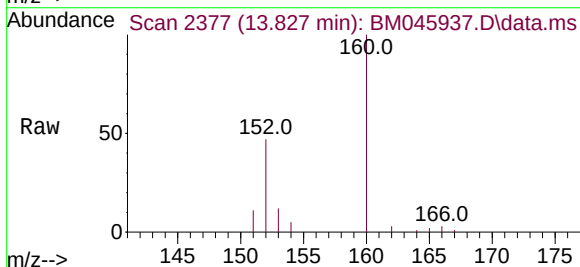
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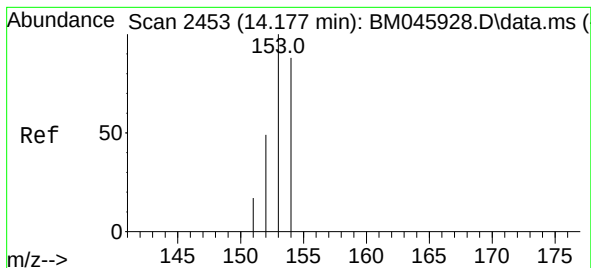
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.097 ng/ul
RT: 13.827 min Scan# 2377
Delta R.T. -0.013 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

Tgt Ion:152 Resp: 4436
Ion Ratio Lower Upper
152 100
151 23.4 16.4 24.6
153 24.8 11.1 16.7#





#11

Acenaphthene

Concen: 1.772 ng/ul

RT: 14.169 min Scan# 2451

Delta R.T. -0.013 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

Instrument :

BNA_M

ClientSampleId :

A4C24DL

Tgt Ion:153 Resp: 59819

Ion Ratio Lower Upper

153 100

152 48.9 39.0 58.4

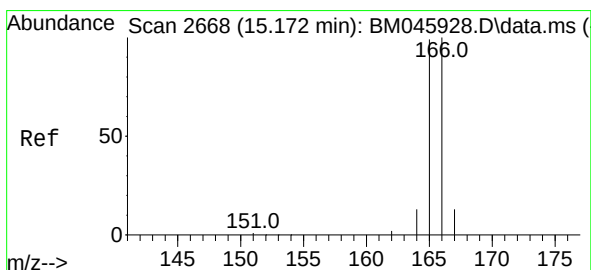
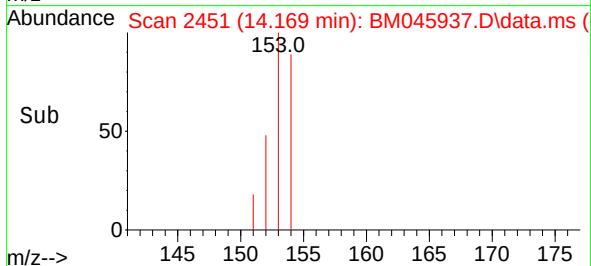
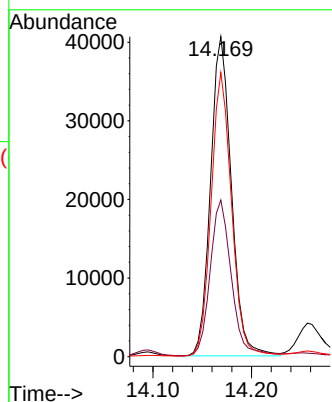
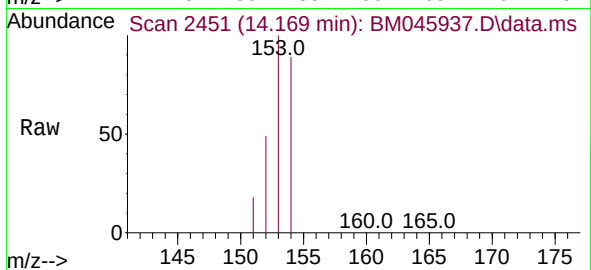
154 88.8 69.4 104.2

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Supervised By :mohammad ahmed 06/13/2024



#12

Fluorene

Concen: 1.554 ng/ul

RT: 15.159 min Scan# 2665

Delta R.T. -0.017 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

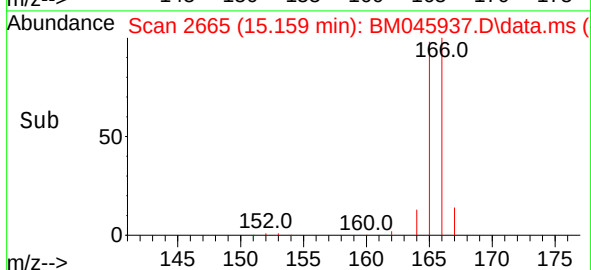
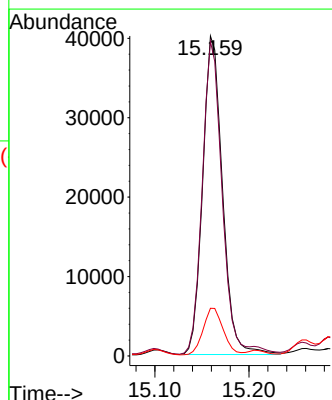
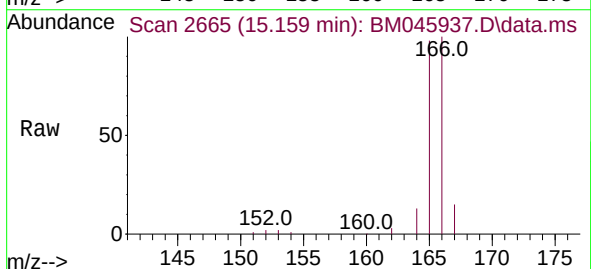
Tgt Ion:166 Resp: 58656

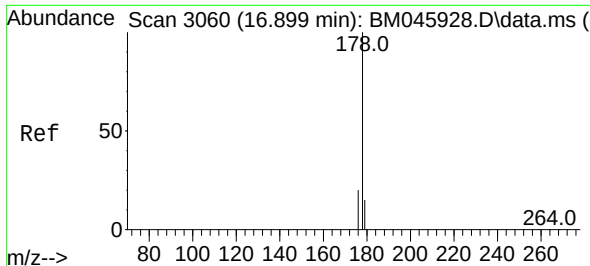
Ion Ratio Lower Upper

166 100

165 98.3 79.7 119.5

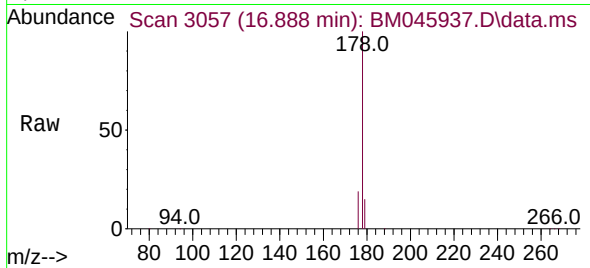
167 14.9 11.3 16.9





#15
Phenanthrene
Concen: 11.572 ng/ul
RT: 16.888 min Scan# 3057
Delta R.T. -0.016 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

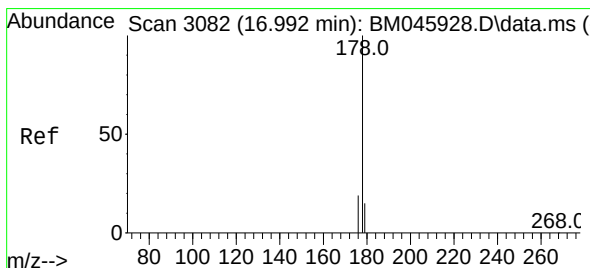
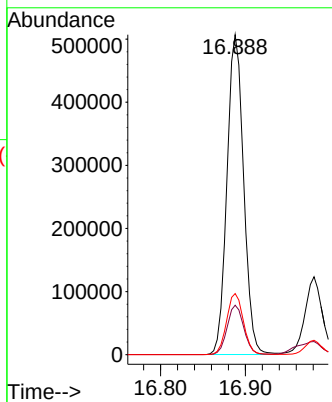
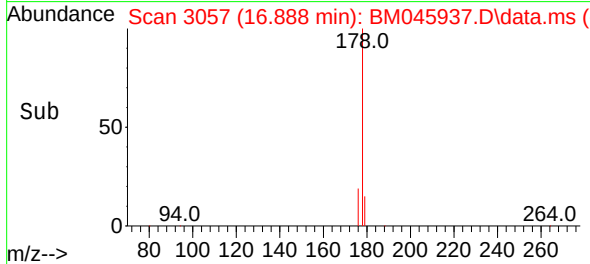
Instrument :
BNA_M
ClientSampleId :
A4C24DL



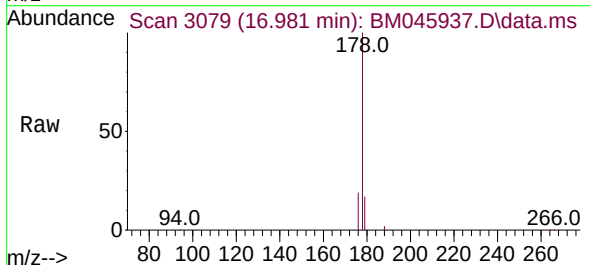
Tgt Ion:178 Resp: 692528
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.1 15.6 23.4

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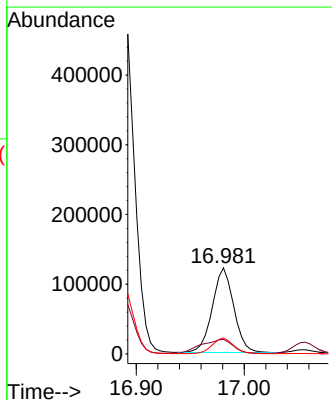
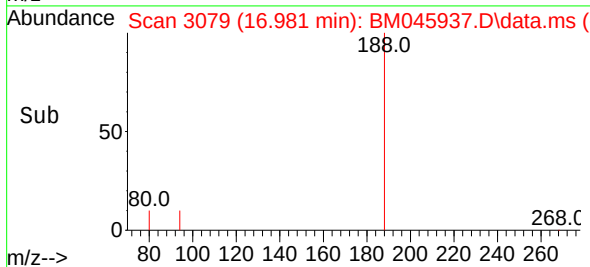
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

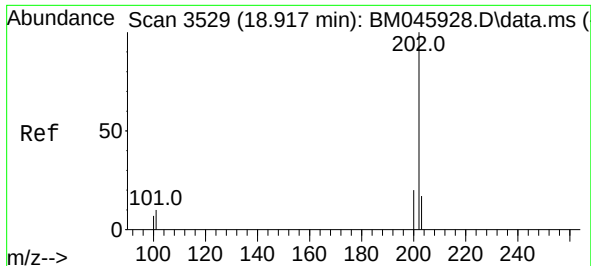


#16
Anthracene
Concen: 3.291 ng/ul
RT: 16.981 min Scan# 3079
Delta R.T. -0.016 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24



Tgt Ion:178 Resp: 167986
Ion Ratio Lower Upper
178 100
179 16.9 13.1 19.7
176 18.5 15.5 23.3





#19

Fluoranthene

Concen: 10.390 ng/ul

RT: 18.909 min Scan# 3527

Delta R.T. -0.013 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

Instrument :

BNA_M

ClientSampleId :

A4C24DL

Tgt Ion:202 Resp: 690072

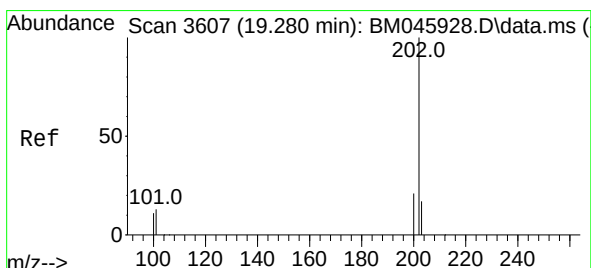
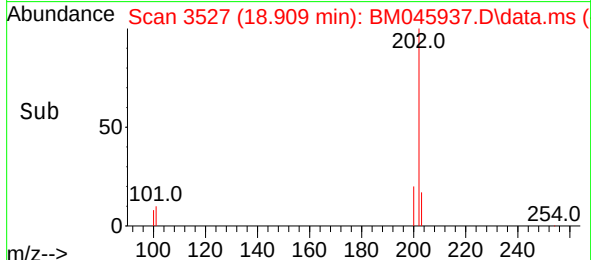
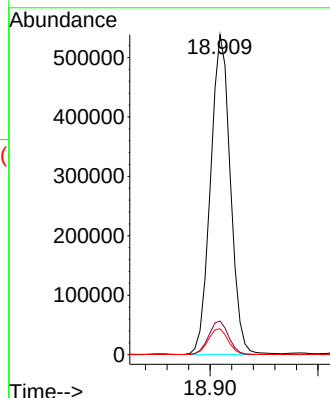
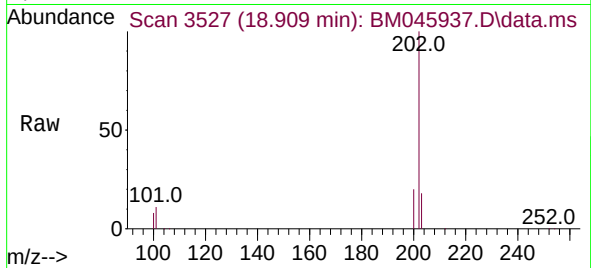
Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.0	13.6
100	8.1	7.0	10.6

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#20

Pyrene

Concen: 7.565 ng/ul

RT: 19.272 min Scan# 3605

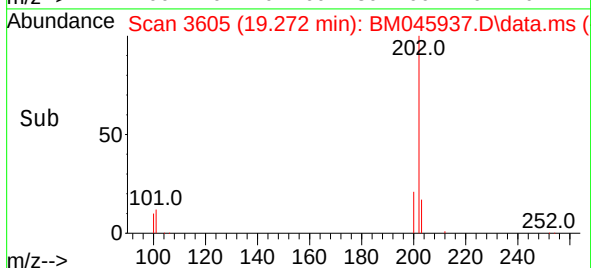
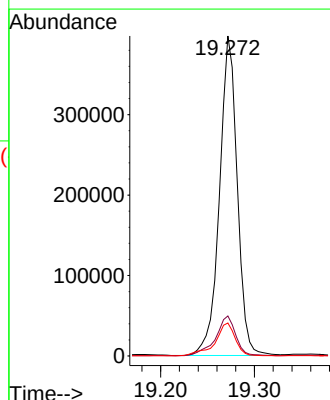
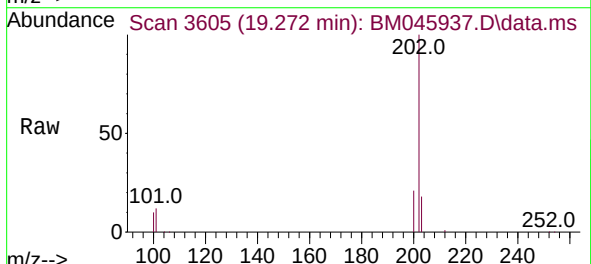
Delta R.T. -0.013 min

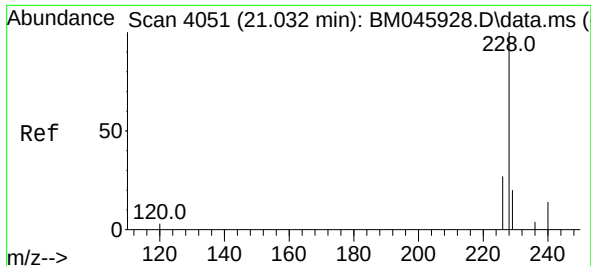
Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

Tgt Ion:202 Resp: 524100

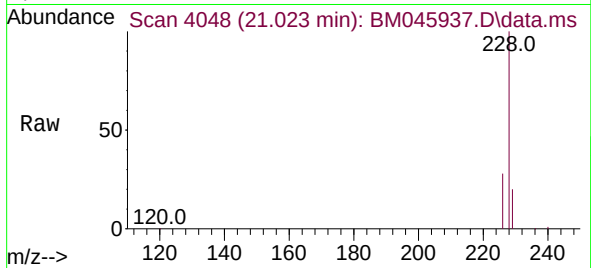
Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.6	16.0
100	10.3	9.1	13.7





#21
Benzo(a)anthracene
Concen: 5.141 ng/ul
RT: 21.023 min Scan# 4051
Delta R.T. -0.012 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

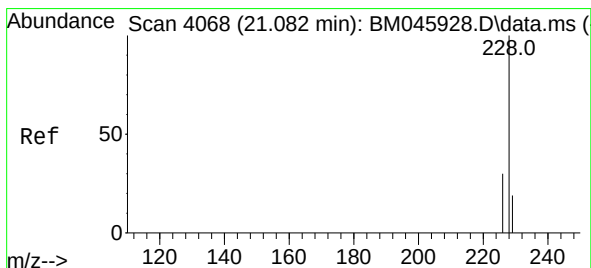
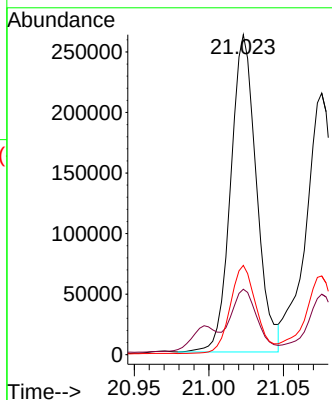
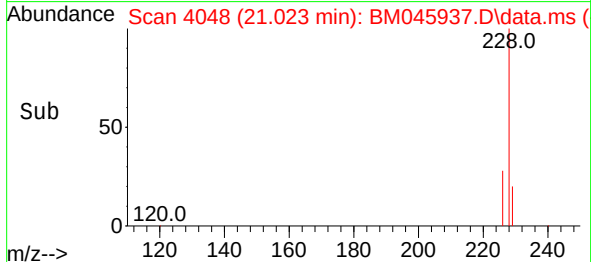
Instrument :
BNA_M
ClientSampleId :
A4C24DL



Tgt Ion:228 Resp: 314318
Ion Ratio Lower Upper
228 100
229 20.5 15.7 23.5
226 27.9 22.0 33.0

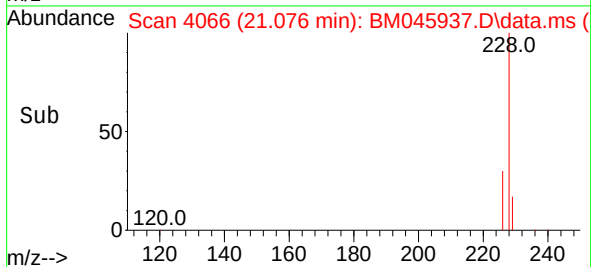
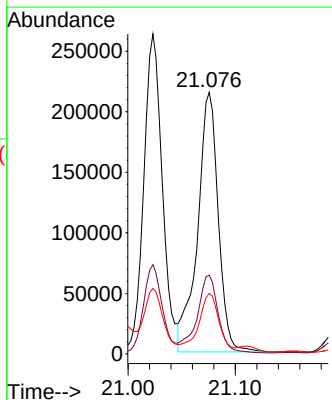
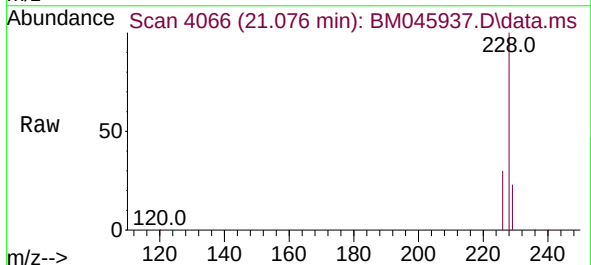
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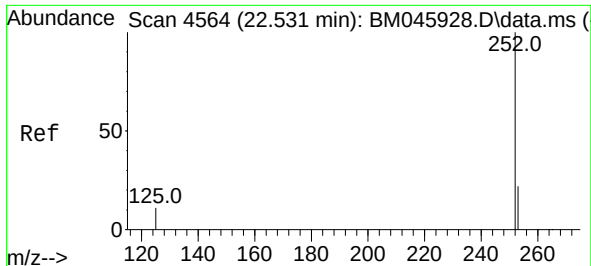
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 4.317 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.012 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

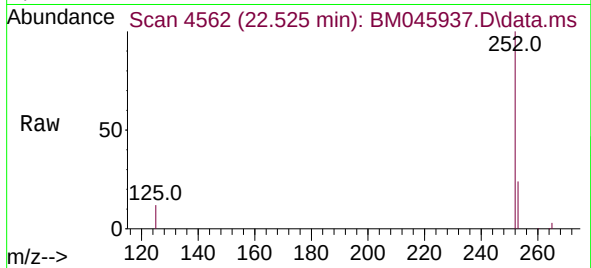
Tgt Ion:228 Resp: 287344
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 23.1 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 4.458 ng/ul m
RT: 22.525 min Scan# 4562
Delta R.T. -0.012 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

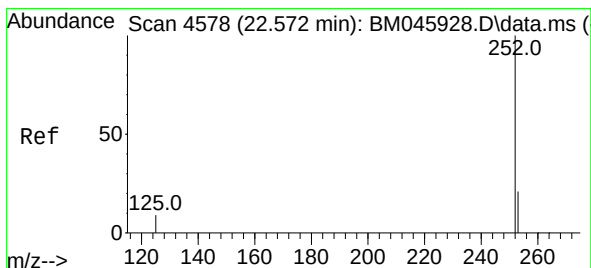
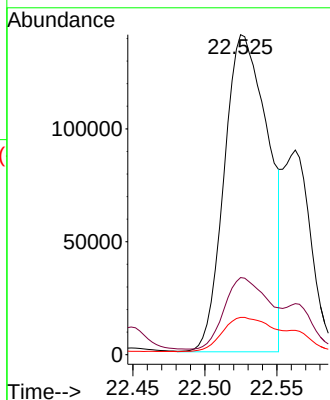
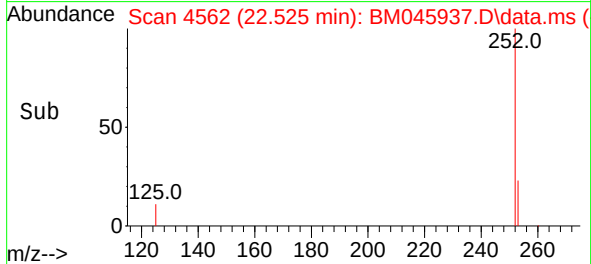
Instrument :
BNA_M
ClientSampleId :
A4C24DL



Tgt Ion:252 Resp: 297459
Ion Ratio Lower Upper
252 100
253 24.1 0.0 63.6
125 11.6 0.0 35.8

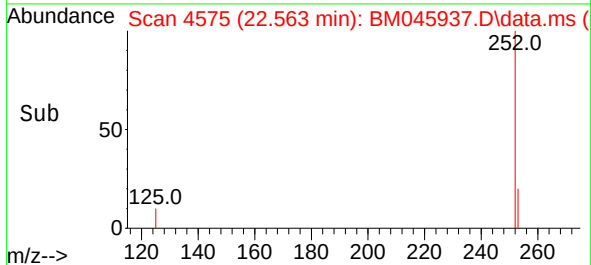
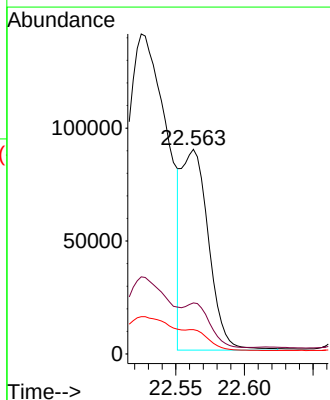
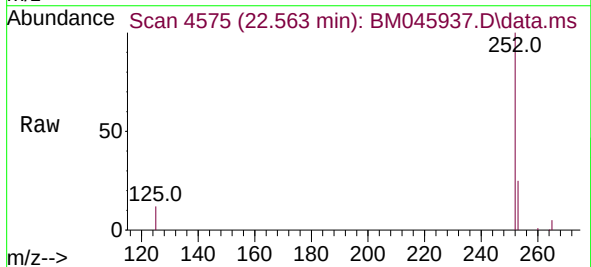
Manual Integrations
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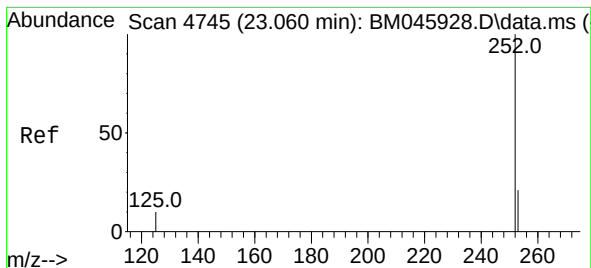
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 1.659 ng/ul m
RT: 22.563 min Scan# 4575
Delta R.T. -0.018 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

Tgt Ion:252 Resp: 121645
Ion Ratio Lower Upper
252 100
253 24.9 25.0 37.6#
125 11.9 14.2 21.2#





#26

Benzo(a)pyrene

Concen: 2.289 ng/ul

RT: 23.054 min Scan# 4743

Delta R.T. -0.018 min

Lab File: BM045937.D

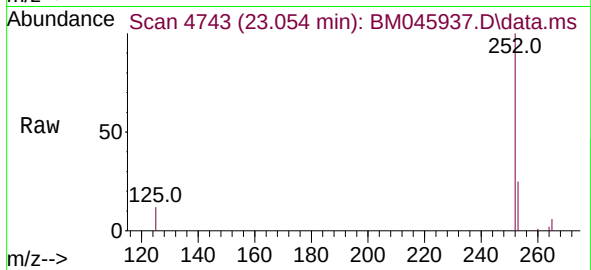
Acq: 09 Jun 2024 04:24

Instrument :

BNA_M

ClientSampleId :

A4C24DL



Tgt Ion:252 Resp: 15188

Ion Ratio Lower Upper

252 100

253 25.0 28.8 43.2

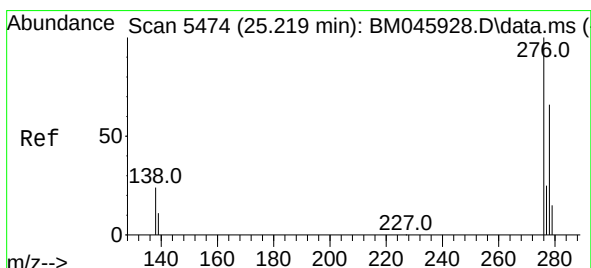
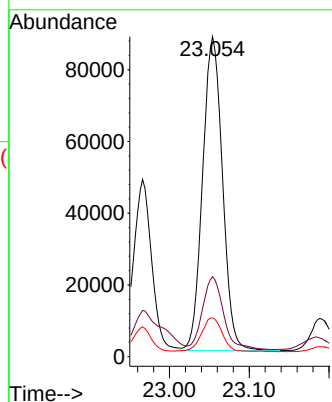
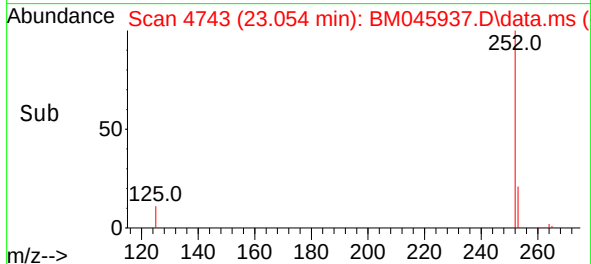
125 12.1 17.3 25.9

Manual Integrations

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#27

Indeno(1,2,3-cd)pyrene

Concen: 1.189 ng/ul

RT: 25.205 min Scan# 5470

Delta R.T. -0.027 min

Lab File: BM045937.D

Acq: 09 Jun 2024 04:24

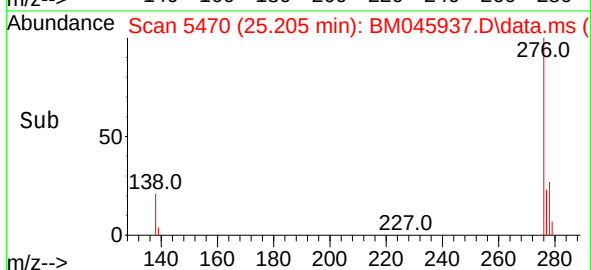
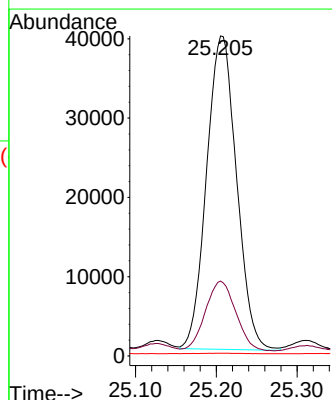
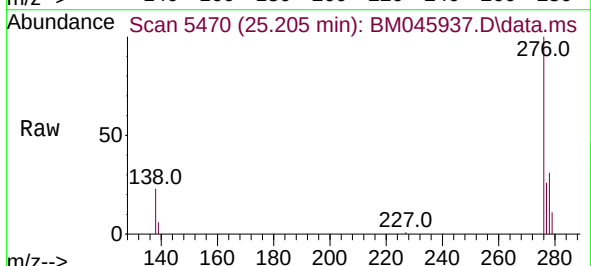
Tgt Ion:276 Resp: 102042

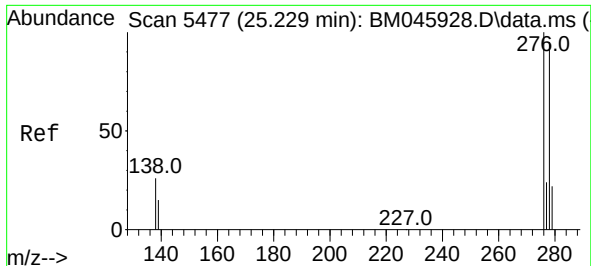
Ion Ratio Lower Upper

276 100

138 22.5 20.7 31.1

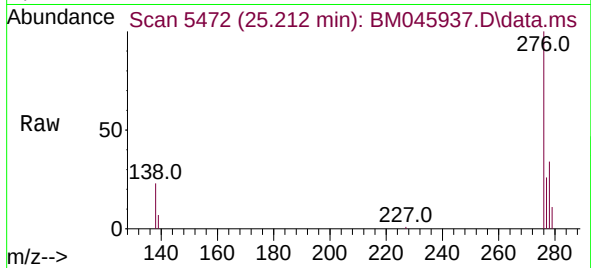
227 0.1 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.542 ng/ul
RT: 25.212 min Scan# 5472
Delta R.T. -0.037 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

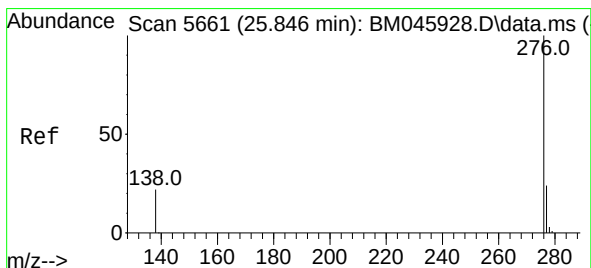
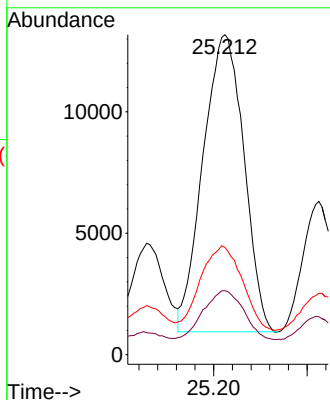
Instrument :
BNA_M
ClientSampleId :
A4C24DL



Tgt Ion:278 Resp: 37149
Ion Ratio Lower Upper
278 100
139 20.0 16.6 25.0
279 33.5 24.6 37.0

Manual Integrations
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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#29
Benzo(g,h,i)perylene
Concen: 0.211 ng/ul
RT: 25.836 min Scan# 5658
Delta R.T. -0.027 min
Lab File: BM045937.D
Acq: 09 Jun 2024 04:24

Tgt Ion:276 Resp: 15649
Ion Ratio Lower Upper
276 100
138 29.8 21.0 31.4
277 30.1 20.5 30.7

