

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046160.D
 Acq On : 21 Jun 2024 15:09
 Operator : MA/JU
 Sample : P2754-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP7

Manual Integrations
 APPROVED

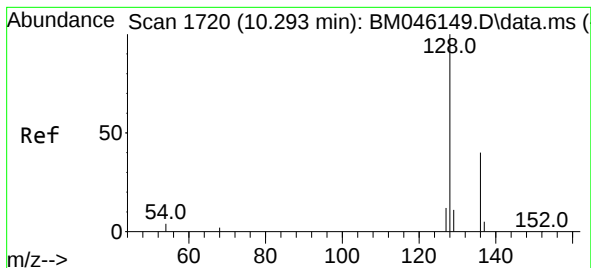
Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 15:43:18 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 18 13:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2776	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.187	136	8134	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.066	164	4473	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.811	188	9963m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.015	240	8148m	0.400	ng/ul	-0.03
23) Perylene-d12	23.110	264	9659m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	13818	3.628	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.815	152	3041	0.278	ng/ul	-0.05
18) Fluoranthene-d10	18.847	212	7162	0.293	ng/ul	-0.04
Target Compounds						Qvalue
5) Naphthalene	10.237	128	2409	0.106	ng/ul#	95
7) 2-Methylnaphthalene	11.887	142	796	0.062	ng/ul	98
8) 1-Methylnaphthalene	12.101	142	621	0.044	ng/ul	100
10) Acenaphthylene	13.784	152	3542	0.167	ng/ul#	94
11) Acenaphthene	14.131	153	2854	0.186	ng/ul	98
12) Fluorene	15.121	166	3851	0.234	ng/ul	99
15) Phenanthrene	16.849	178	71648m	2.560	ng/ul	
16) Anthracene	16.941	178	15783m	0.757	ng/ul	
19) Fluoranthene	18.875	202	147154	4.171	ng/ul	96
20) Pyrene	19.238	202	111805	2.930	ng/ul	97
21) Benzo(a)anthracene	20.997	228	65251	2.073	ng/ul	99
22) Chrysene	21.050	228	69262	1.724	ng/ul	99
24) Benzo(b)fluoranthene	22.493	252	96784m	2.781	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	34452m	0.833	ng/ul	
26) Benzo(a)pyrene	23.016	252	36797	1.141	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.155	276	36904	0.699	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.159	278	11420	0.291	ng/ul#	91
29) Benzo(g,h,i)perylene	25.783	276	5477	0.121	ng/ul#	77

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



#5

Naphthalene

Concen: 0.106 ng/ul

RT: 10.237 min Scan# 1710

Delta R.T. -0.066 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

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BNA_M

ClientSampleId :

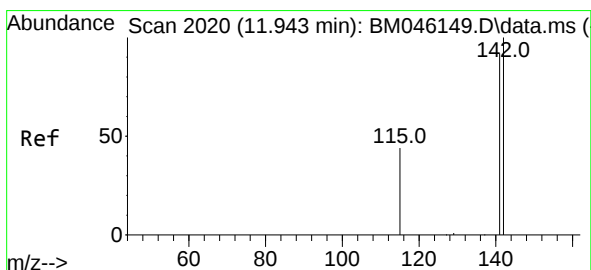
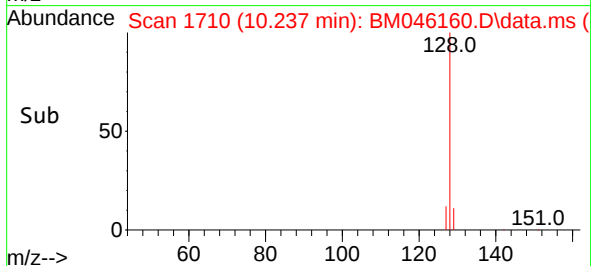
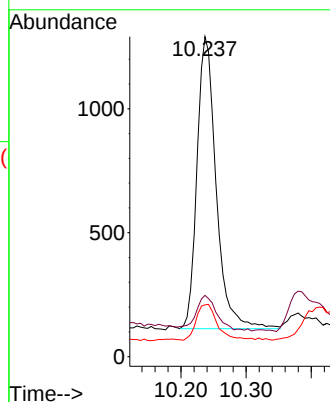
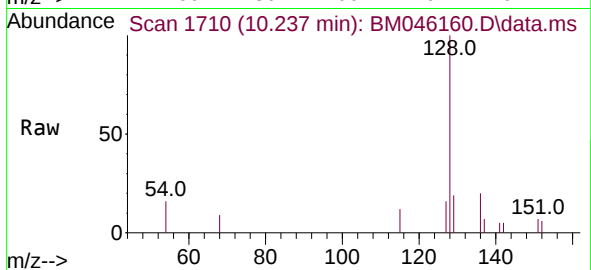
A4BP7

Tgt Ion:128	Resp:	240
Ion Ratio	Lower	Upper
128	100	
129	19.1	11.8 17.6
127	16.2	12.8 19.2

Manual Integrations

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Supervised By :mohammad ahmed 06/24/2024



#7

2-Methylnaphthalene

Concen: 0.062 ng/ul

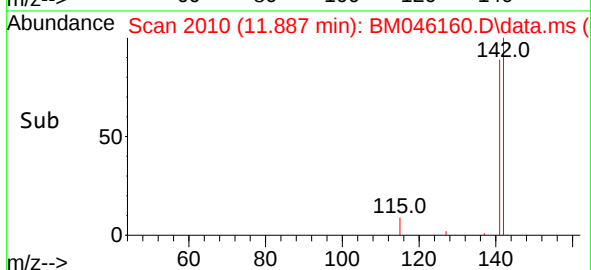
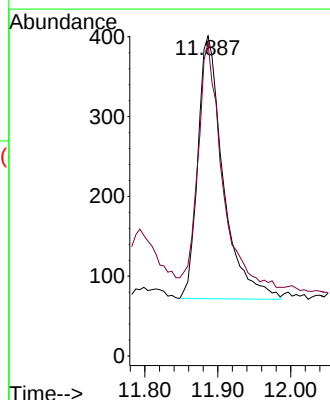
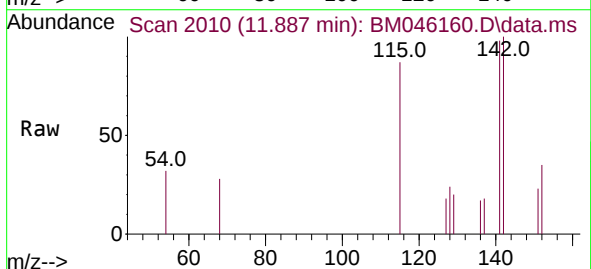
RT: 11.887 min Scan# 2010

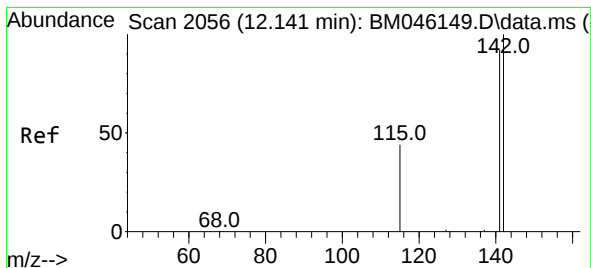
Delta R.T. -0.061 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

Tgt Ion:142	Resp:	796
Ion Ratio	Lower	Upper
142	100	
141	95.0	74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.044 ng/ul

RT: 12.101 min Scan# 2056

Delta R.T. -0.050 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

Instrument :

BNA_M

ClientSampleId :

A4BP7

Tgt Ion:142 Resp: 62

Ion Ratio Lower Upper

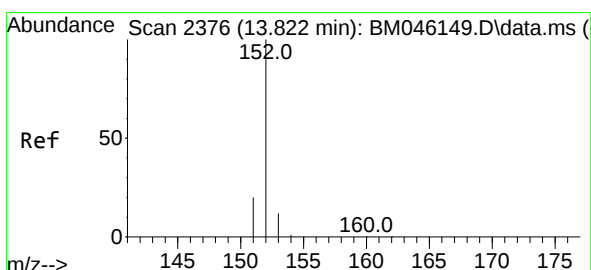
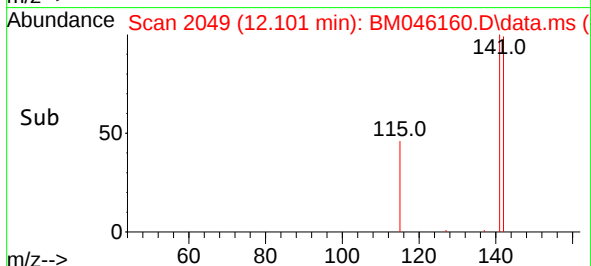
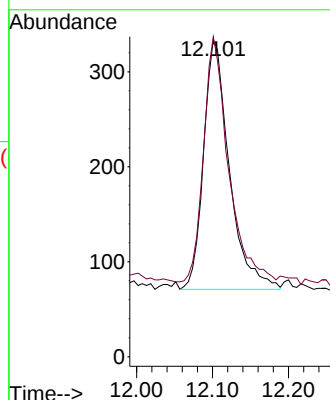
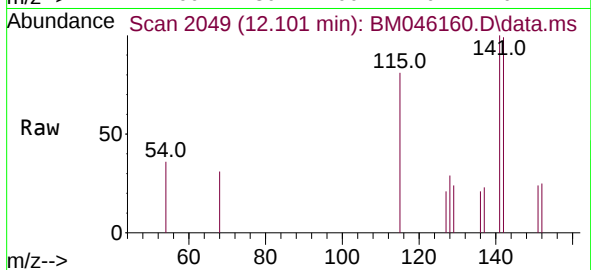
142 100

141 94.2 75.2 112.8

Manual Integrations

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Supervised By :mohammad ahmed 06/24/2024



#10

Acenaphthylene

Concen: 0.167 ng/ul

RT: 13.784 min Scan# 2368

Delta R.T. -0.051 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

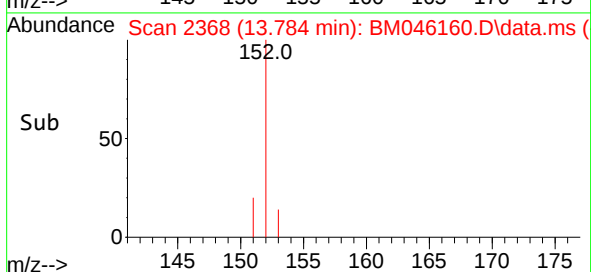
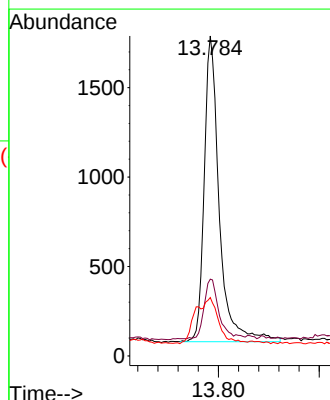
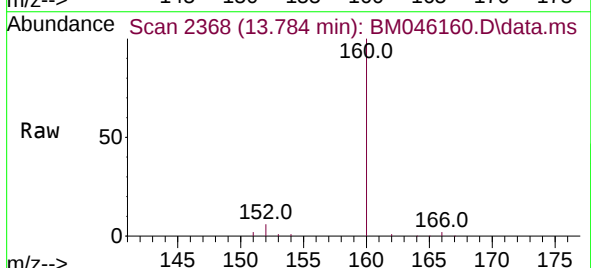
Tgt Ion:152 Resp: 3542

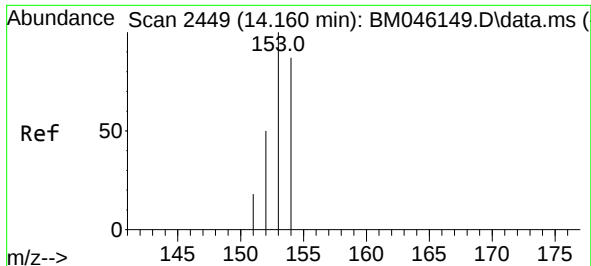
Ion Ratio Lower Upper

152 100

151 24.0 17.4 26.2

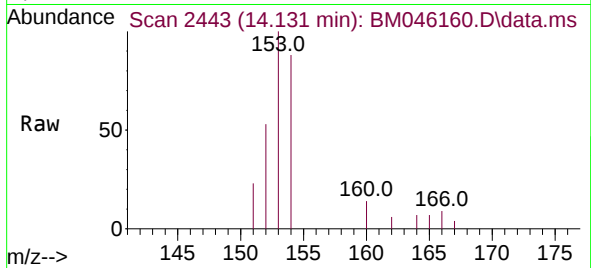
153 18.2 11.8 17.8#





#11
Acenaphthene
Concen: 0.186 ng/u1
RT: 14.131 min Scan# 2443
Delta R.T. -0.042 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

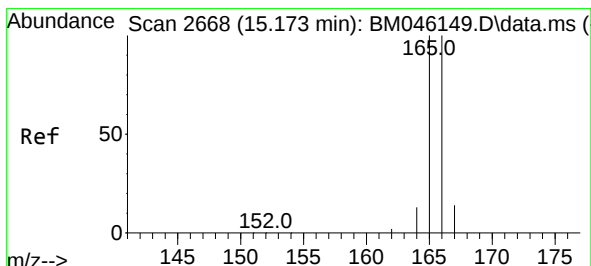
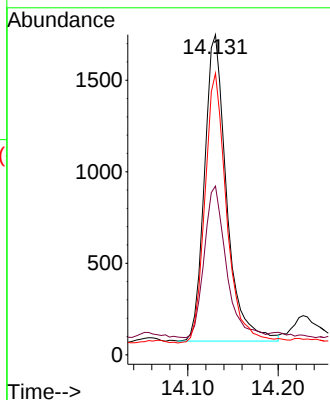
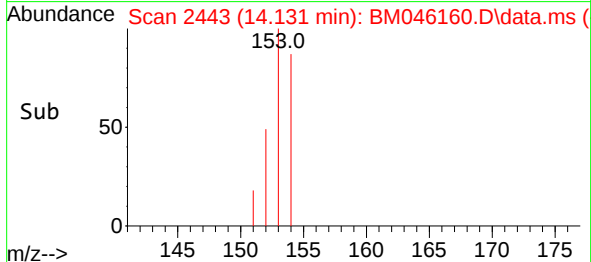
Instrument :
BNA_M
ClientSampleId :
A4BP7



Tgt Ion:153 Resp: 2854
Ion Ratio Lower Upper
153 100
152 52.7 41.3 61.9
154 87.9 68.2 102.4

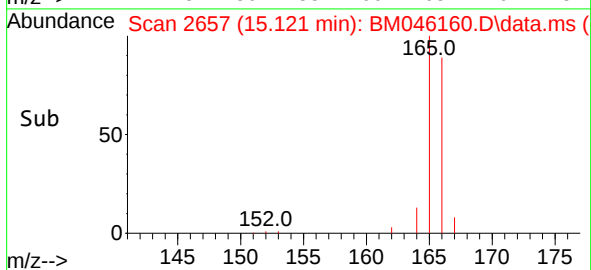
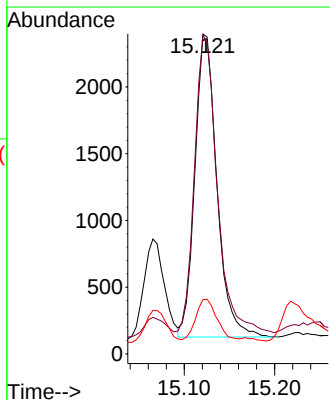
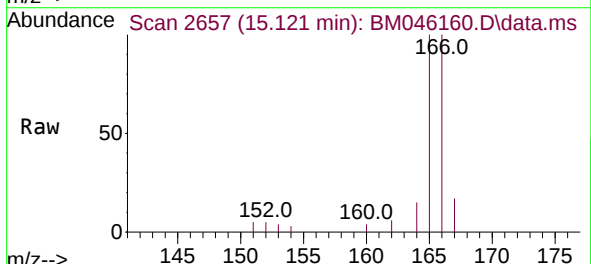
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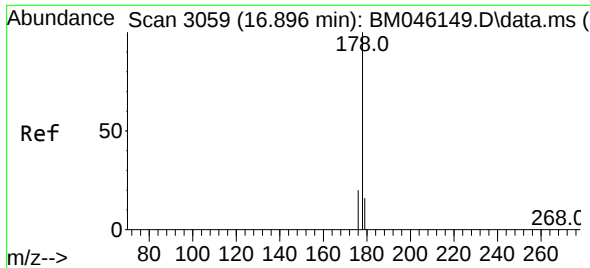
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 0.234 ng/u1
RT: 15.121 min Scan# 2657
Delta R.T. -0.060 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

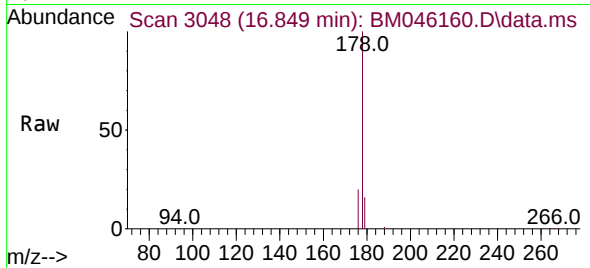
Tgt Ion:166 Resp: 3851
Ion Ratio Lower Upper
166 100
165 99.6 80.4 120.6
167 17.0 12.4 18.6





#15
Phenanthrene
Concen: 2.560 ng/ul m
RT: 16.849 min Scan# 3059
Delta R.T. -0.055 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

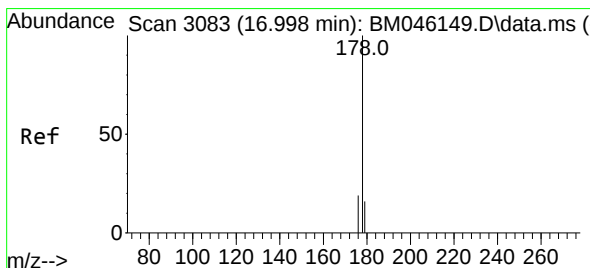
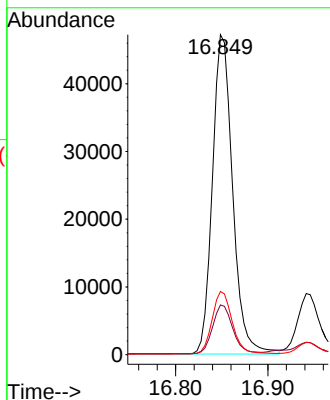
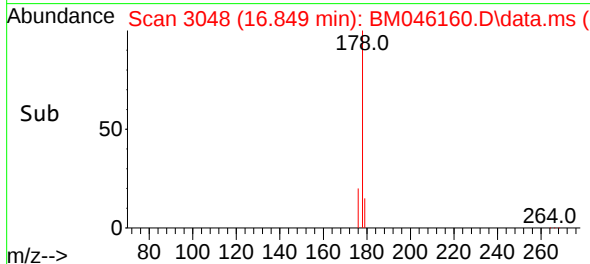
Instrument :
BNA_M
ClientSampleId :
A4BP7



Tgt Ion:178 Resp: 71648
Ion Ratio Lower Upper
178 100
179 15.6 14.2 21.2
176 19.8 17.1 25.7

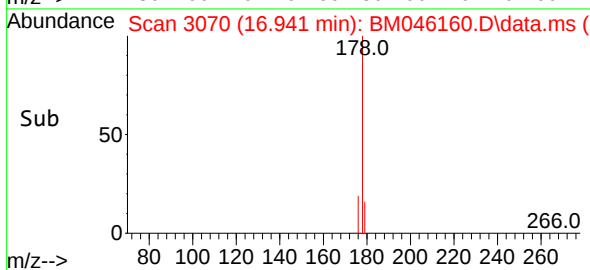
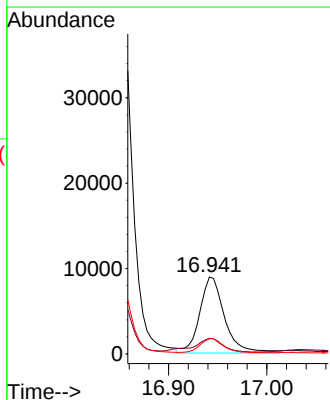
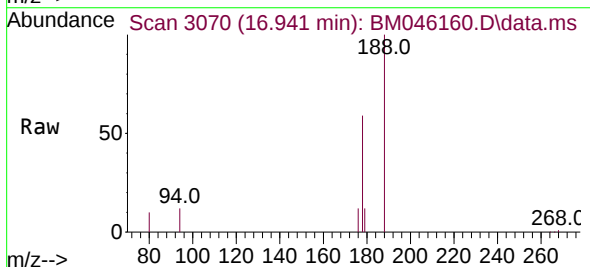
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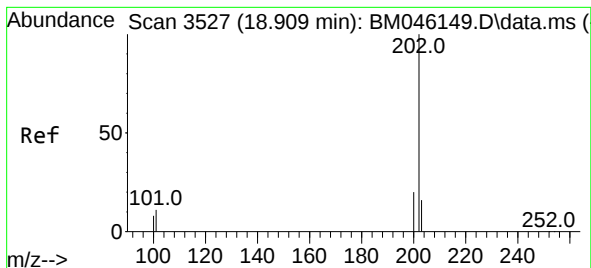
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#16
Anthracene
Concen: 0.757 ng/ul m
RT: 16.941 min Scan# 3070
Delta R.T. -0.063 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

Tgt Ion:178 Resp: 15783
Ion Ratio Lower Upper
178 100
179 20.5 14.9 22.3
176 19.9 17.0 25.4





#19

Fluoranthene

Concen: 4.171 ng/ul

RT: 18.875 min Scan# 31

Delta R.T. -0.042 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

Instrument :

BNA_M

ClientSampleId :

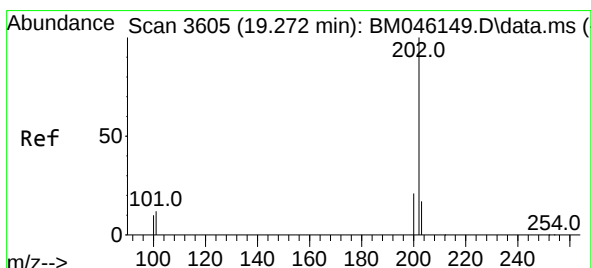
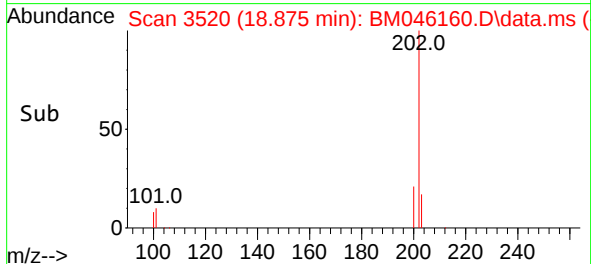
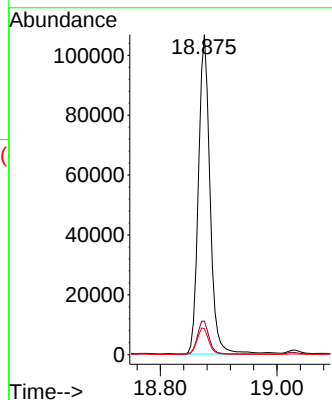
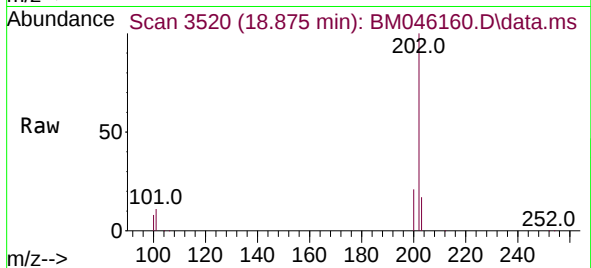
A4BP7

Tgt Ion:	202	Resp:	147154
Ion Ratio	Lower	Upper	
202	100		
101	10.5	9.6	14.4
100	8.1	7.6	11.4

Manual Integrations

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Supervised By :mohammad ahmed 06/24/2024



#20

Pyrene

Concen: 2.930 ng/ul

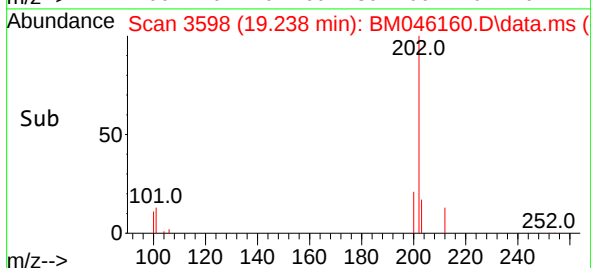
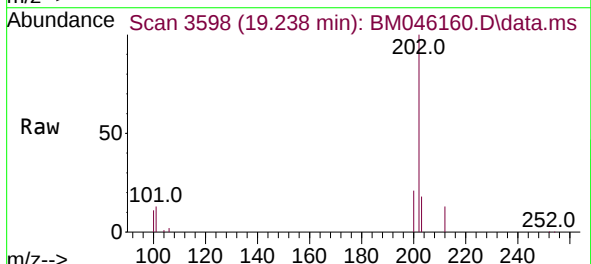
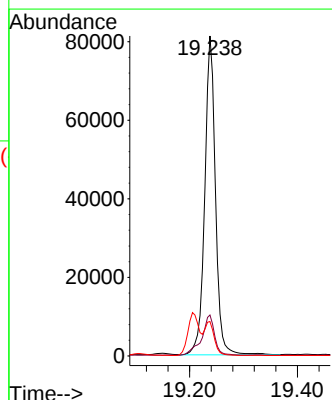
RT: 19.238 min Scan# 3598

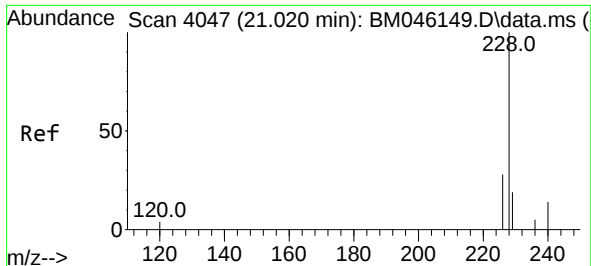
Delta R.T. -0.037 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

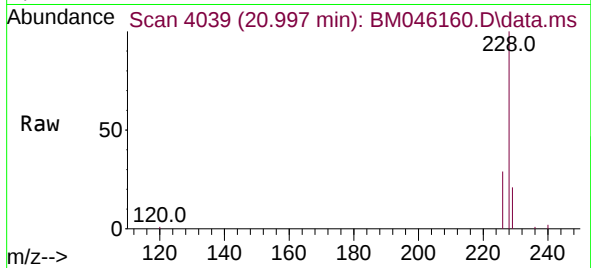
Tgt Ion:	202	Resp:	111805
Ion Ratio	Lower	Upper	
202	100		
101	12.8	11.3	16.9
100	10.7	9.8	14.6





#21
Benzo(a)anthracene
Concen: 2.073 ng/u1
RT: 20.997 min Scan# 4039
Delta R.T. -0.032 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

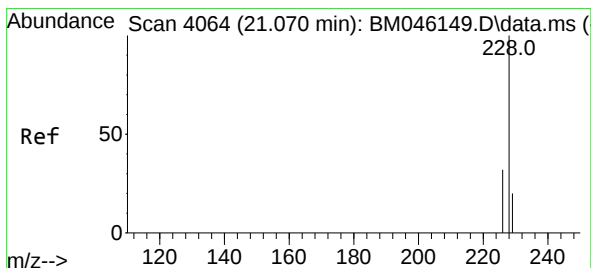
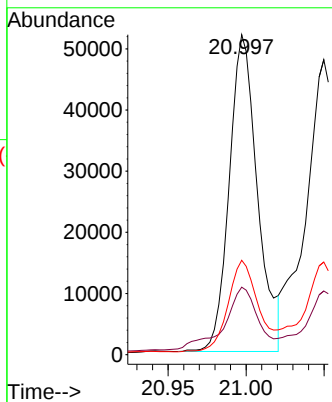
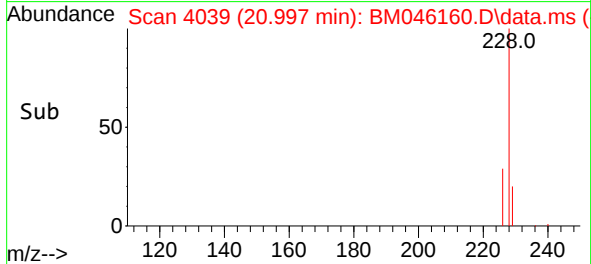
Instrument :
BNA_M
ClientSampleId :
A4BP7



Tgt Ion:228 Resp: 6525
Ion Ratio Lower Upper
228 100
229 21.1 16.4 24.6
226 29.5 23.4 35.2

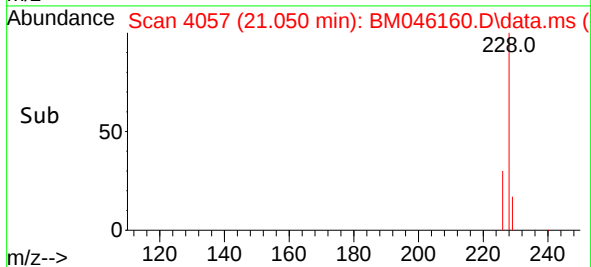
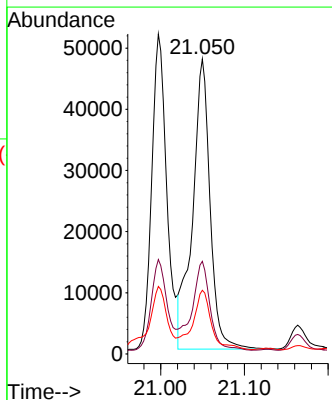
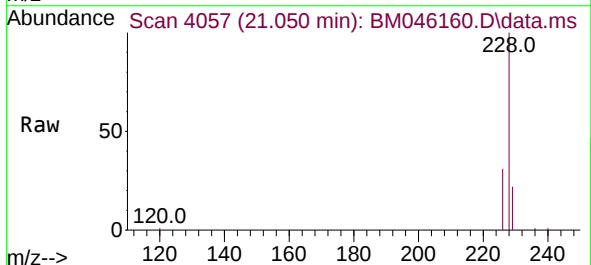
Manual Integrations
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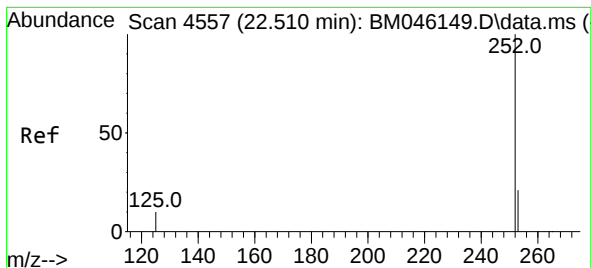
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 1.724 ng/u1
RT: 21.050 min Scan# 4057
Delta R.T. -0.026 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

Tgt Ion:228 Resp: 69262
Ion Ratio Lower Upper
228 100
226 31.4 25.2 37.8
229 21.6 16.3 24.5





#24

Benzo(b)fluoranthene

Concen: 2.781 ng/ul m

RT: 22.493 min Scan# 4551

Delta R.T. -0.026 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

Instrument :

BNA_M

ClientSampleId :

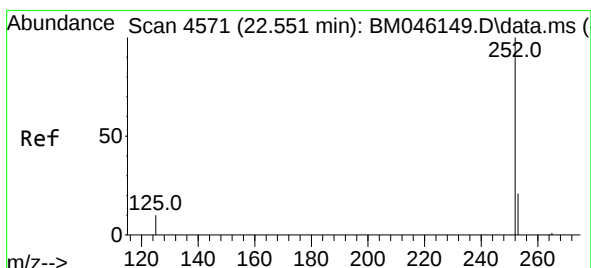
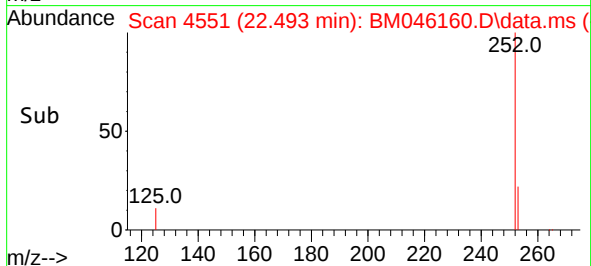
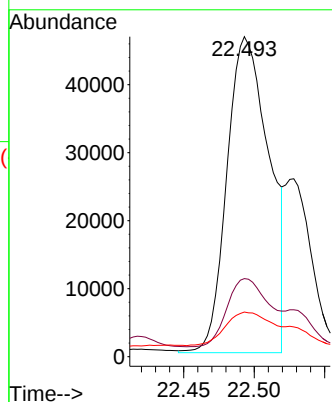
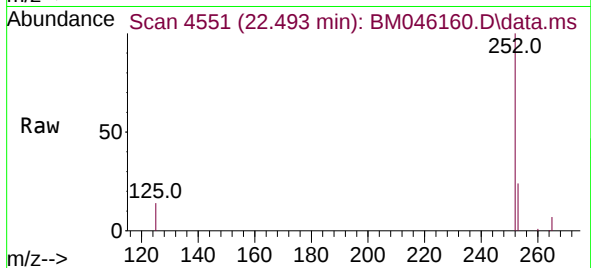
A4BP7

Tgt Ion:252	Resp:	96784
Ion Ratio	Lower	Upper
252	100	
253	24.4	0.0 65.8
125	14.0	0.0 40.2

Manual Integrations

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#25

Benzo(k)fluoranthene

Concen: 0.833 ng/ul m

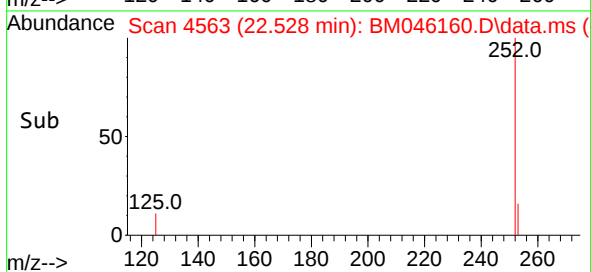
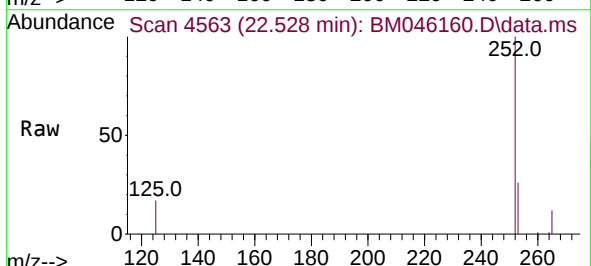
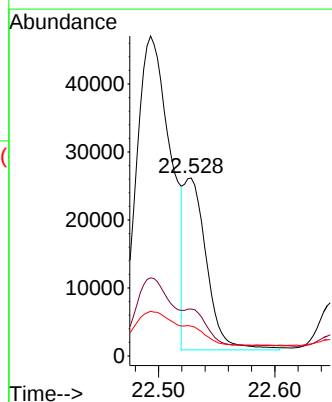
RT: 22.528 min Scan# 4563

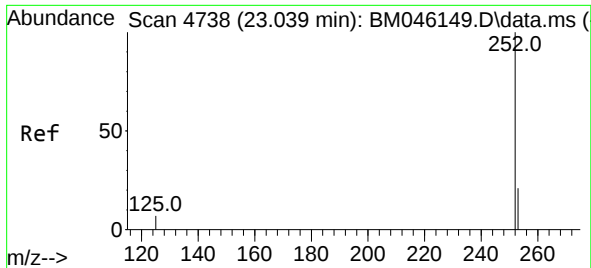
Delta R.T. -0.035 min

Lab File: BM046160.D

Acq: 21 Jun 2024 15:09

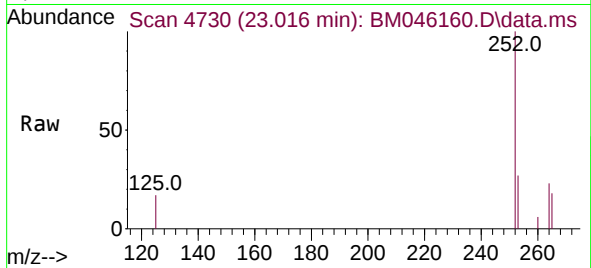
Tgt Ion:252	Resp:	34452
Ion Ratio	Lower	Upper
252	100	
253	26.4	27.2 40.8#
125	16.7	16.6 25.0





#26
Benzo(a)pyrene
Concen: 1.141 ng/ul
RT: 23.016 min Scan# 41
Delta R.T. -0.038 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

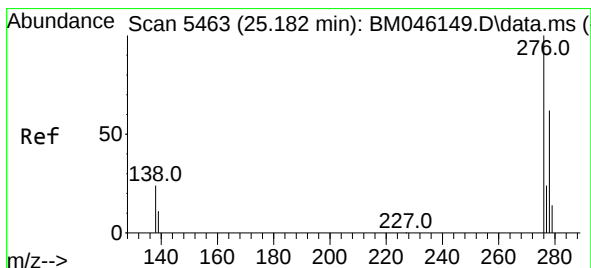
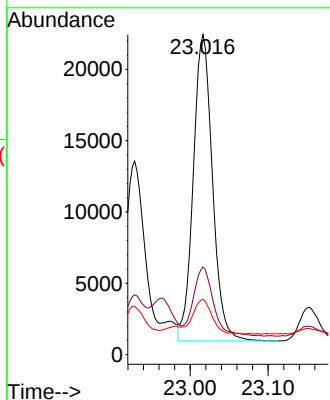
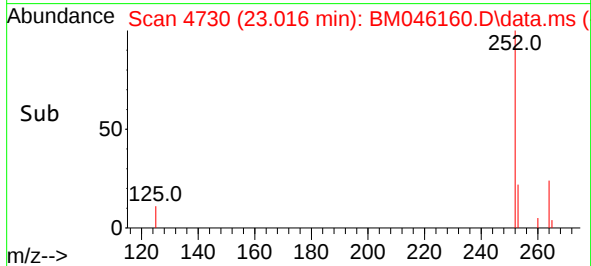
Instrument :
BNA_M
ClientSampleId :
A4BP7



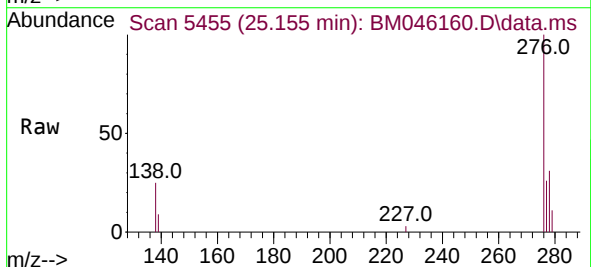
Tgt Ion:252 Resp: 3679
Ion Ratio Lower Upper
252 100
253 27.4 32.1 48.1
125 17.3 21.2 31.8

Manual Integrations
APPROVED

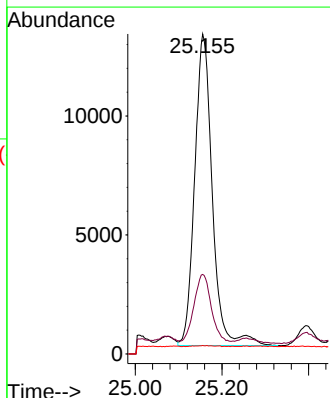
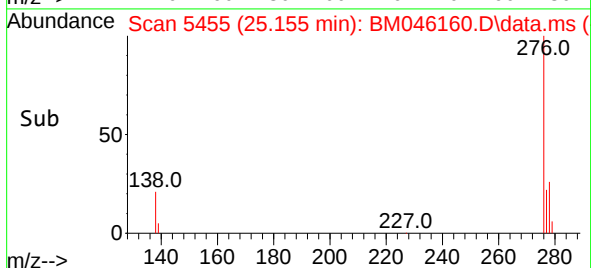
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

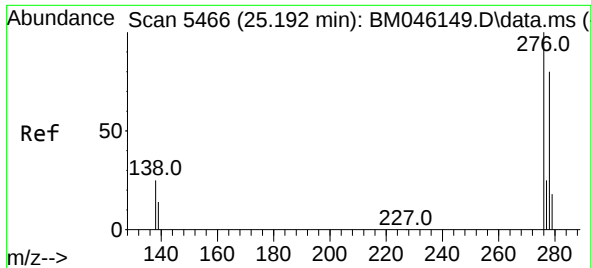


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.699 ng/ul
RT: 25.155 min Scan# 5455
Delta R.T. -0.047 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09



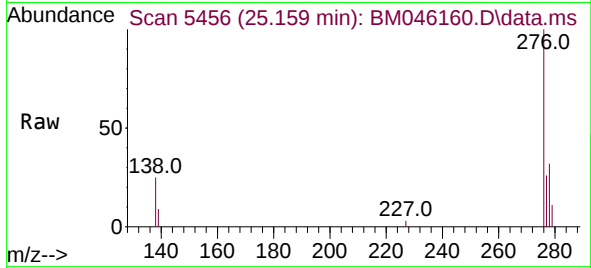
Tgt Ion:276 Resp: 36904
Ion Ratio Lower Upper
276 100
138 21.1 21.0 31.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.291 ng/ul
RT: 25.159 min Scan# 5466
Delta R.T. -0.057 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

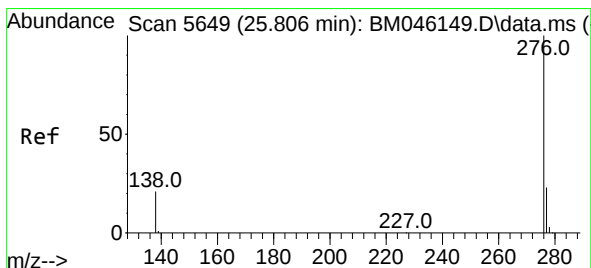
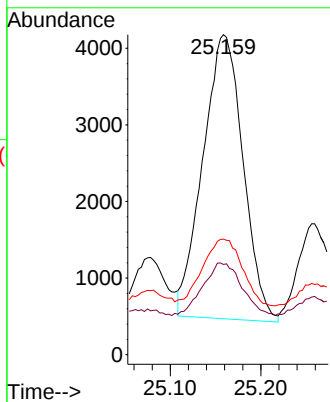
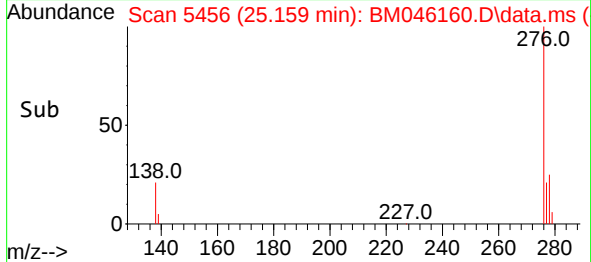
Instrument :
BNA_M
ClientSampleId :
A4BP7



Tgt Ion: 278 Resp: 11420
Ion Ratio Lower Upper
278 100
139 28.2 17.6 26.4#
279 36.1 26.3 39.5#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 0.121 ng/ul
RT: 25.783 min Scan# 5642
Delta R.T. -0.047 min
Lab File: BM046160.D
Acq: 21 Jun 2024 15:09

Tgt Ion: 276 Resp: 5477
Ion Ratio Lower Upper
276 100
138 39.1 21.7 32.5#
277 37.1 20.4 30.6#

