

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045963.D
 Acq On : 10 Jun 2024 22:35
 Operator : MA/JU
 Sample : P2642-10DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B32DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 23:14:51 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 : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4587	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.238	136	14243	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	7720	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.850	188	13725	0.400	ng/ul	-0.02
17) Chrysene-d12	21.040	240	10307	0.400	ng/ul	-0.01
23) Perylene-d12	23.144	264	11491m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	4854	0.929	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.860	152	1041	0.051	ng/ul	0.01
18) Fluoranthene-d10	18.881	212	1906	0.062	ng/ul	-0.01
Target Compounds					Qvalue	
5) Naphthalene	10.287	128	1494	0.040	ng/ul#	79
7) 2-Methylnaphthalene	11.932	142	489	0.021	ng/ul	94
10) Acenaphthylene	13.826	152	2109	0.060	ng/ul#	92
11) Acenaphthene	14.169	153	1680	0.065	ng/ul	97
12) Fluorene	15.163	166	1818	0.063	ng/ul#	95
15) Phenanthrene	16.888	178	38206	0.991	ng/ul	100
16) Anthracene	16.981	178	6703	0.204	ng/ul#	93
19) Fluoranthene	18.909	202	72067	1.753	ng/ul	97
20) Pyrene	19.271	202	55334	1.291	ng/ul	96
21) Benzo(a)anthracene	21.023	228	27444	0.725	ng/ul	97
22) Chrysene	21.075	228	33163	0.805	ng/ul	99
24) Benzo(b)fluoranthene	22.522	252	44008m	1.155	ng/ul	
25) Benzo(k)fluoranthene	22.557	252	17553m	0.419	ng/ul	
26) Benzo(a)pyrene	23.051	252	18743	0.494	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.202	276	17682	0.361	ng/ul	92
28) Dibenzo(a,h)anthracene	25.205	278	5121	0.131	ng/ul#	79
29) Benzo(g,h,i)perylene	25.832	276	2921	0.069	ng/ul#	70

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

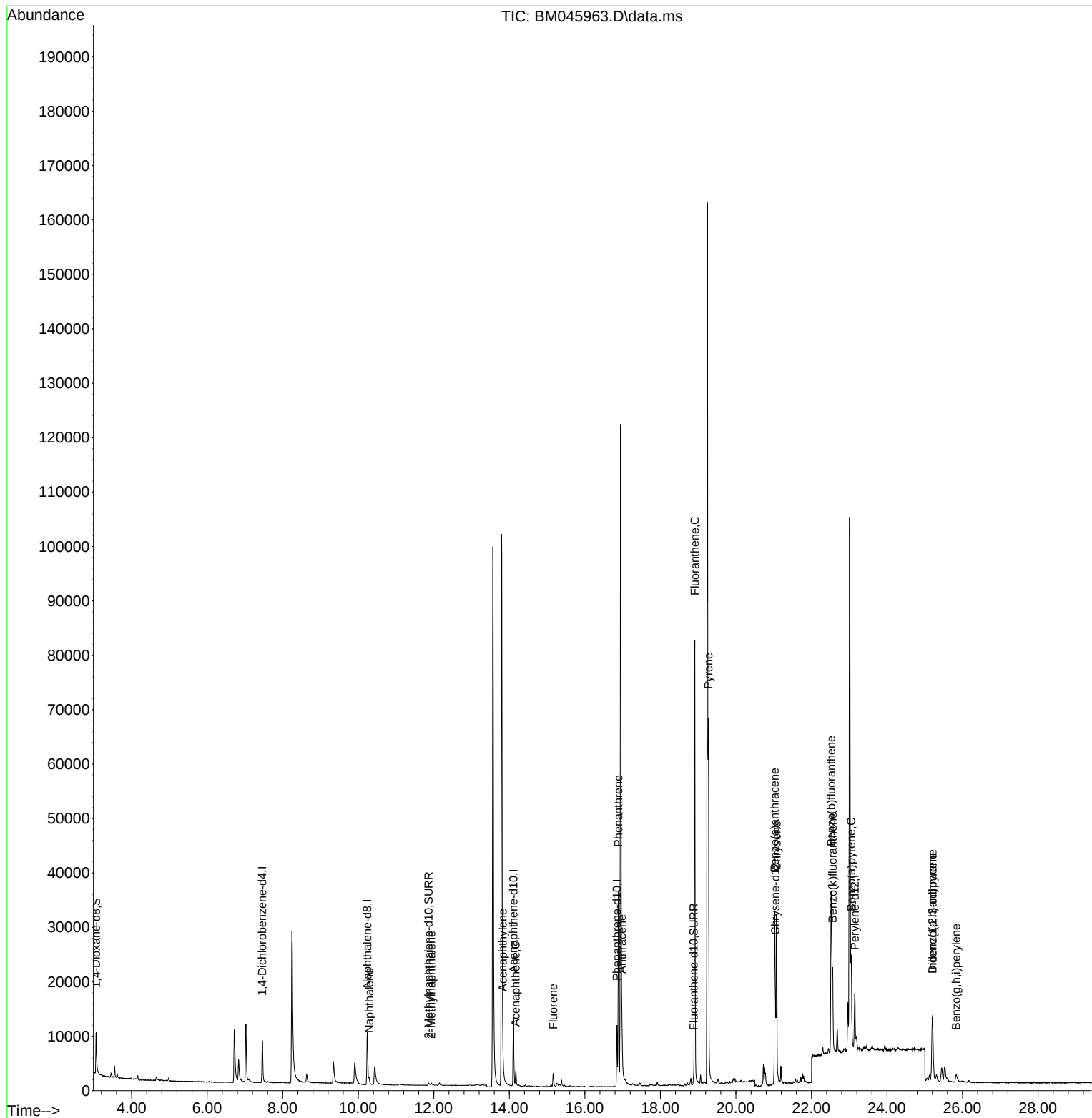
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045963.D
Acq On : 10 Jun 2024 22:35
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ALS Vial : 23 Sample Multiplier: 1

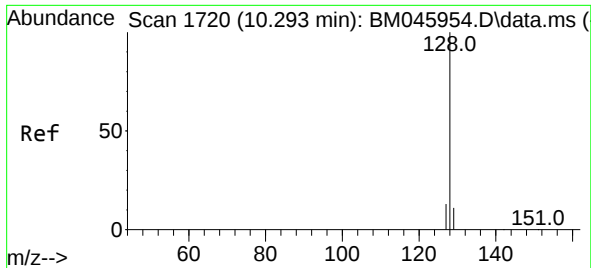
Instrument :
BNA_M
ClientSampleId :
A4B32DL

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Supervised By :mohammad ahmed 06/13/2024

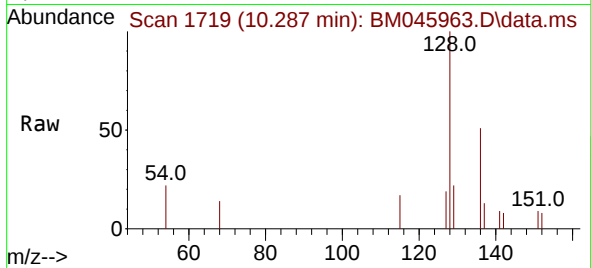
Quant Time: Jun 10 23:14:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.040 ng/ul
RT: 10.287 min Scan# 1719
Delta R.T. -0.015 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

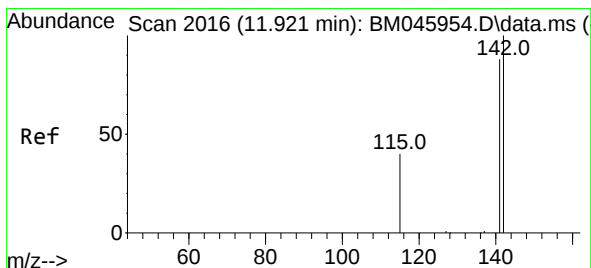
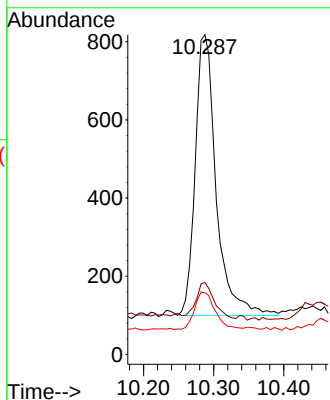
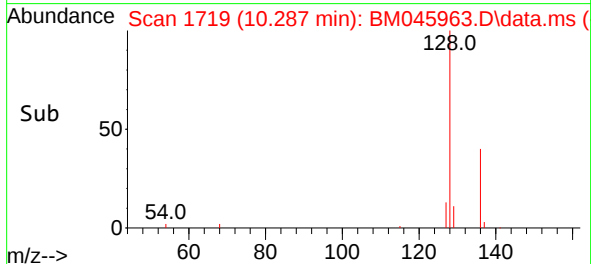
Instrument :
BNA_M
ClientSampleId :
A4B32DL



Tgt Ion:128 Resp: 1494
Ion Ratio Lower Upper
128 100
129 22.5 9.4 14.0
127 19.3 10.6 15.8

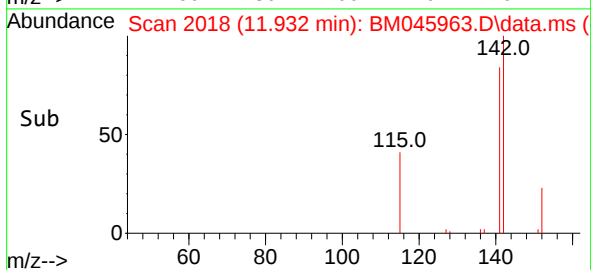
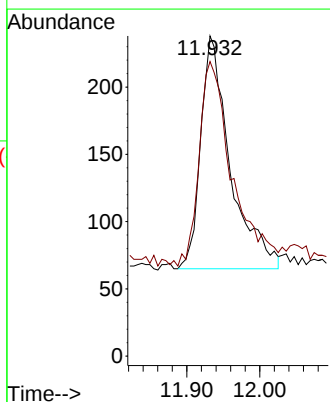
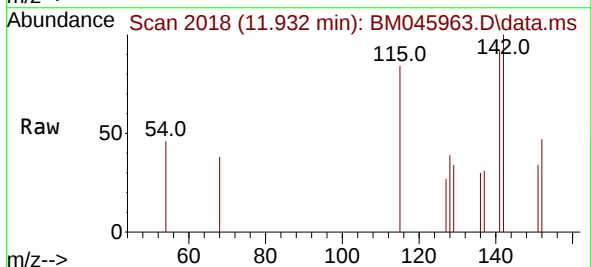
Manual Integrations
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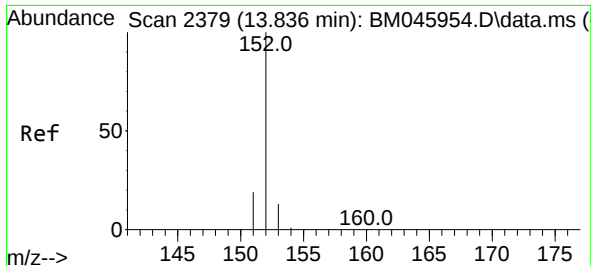
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#7
2-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 11.932 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

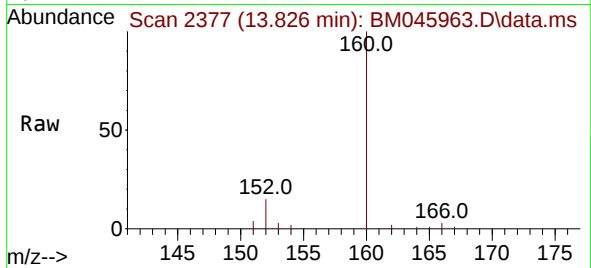
Tgt Ion:142 Resp: 489
Ion Ratio Lower Upper
142 100
141 96.1 72.2 108.4





#10
Acenaphthylene
Concen: 0.060 ng/u1
RT: 13.826 min Scan# 2109
Delta R.T. -0.013 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

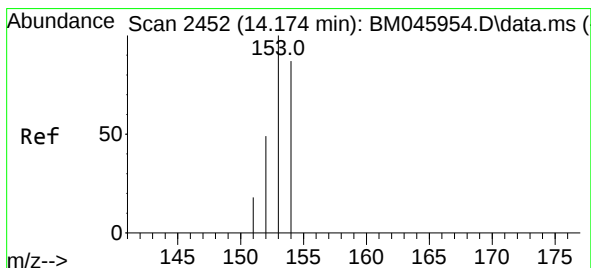
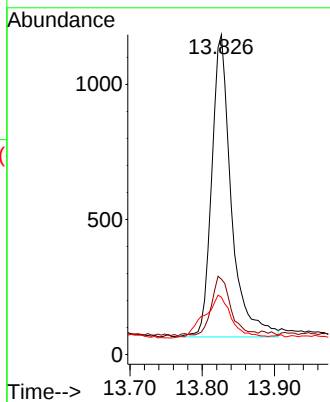
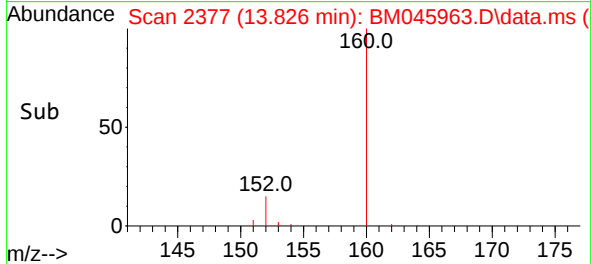
Instrument :
BNA_M
ClientSampleId :
A4B32DL



Tgt Ion:152 Resp: 2109
Ion Ratio Lower Upper
152 100
151 23.6 16.4 24.6
153 17.9 11.1 16.7

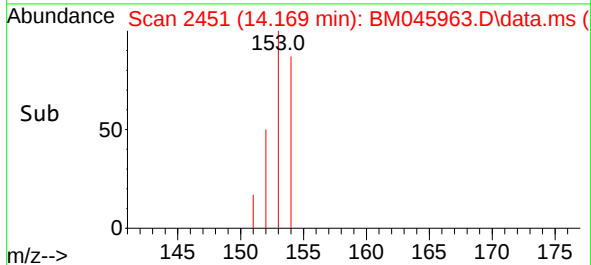
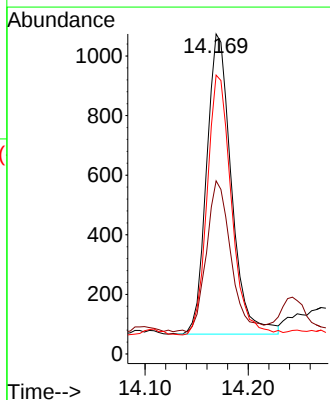
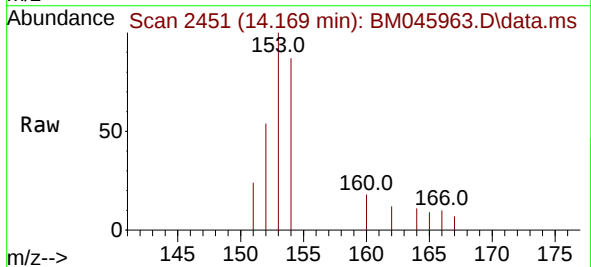
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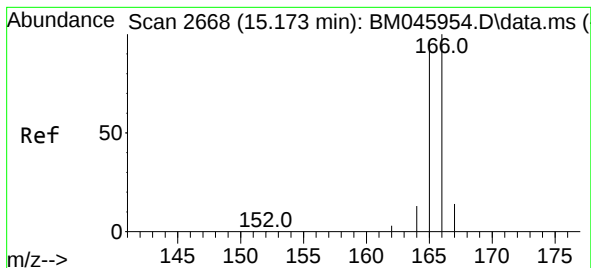
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#11
Acenaphthene
Concen: 0.065 ng/u1
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

Tgt Ion:153 Resp: 1680
Ion Ratio Lower Upper
153 100
152 54.1 39.0 58.4
154 87.2 69.4 104.2





#12

Fluorene

Concen: 0.063 ng/u1

RT: 15.163 min Scan# 20

Delta R.T. -0.013 min

Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

Instrument :

BNA_M

ClientSampleId :

A4B32DL

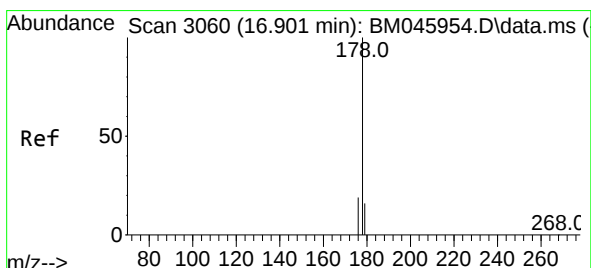
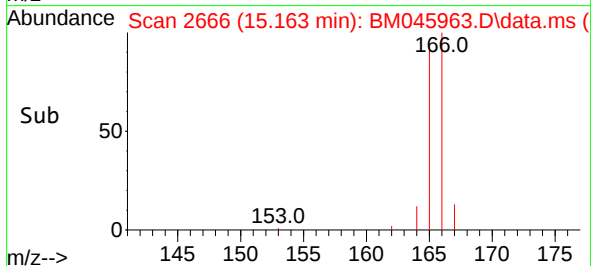
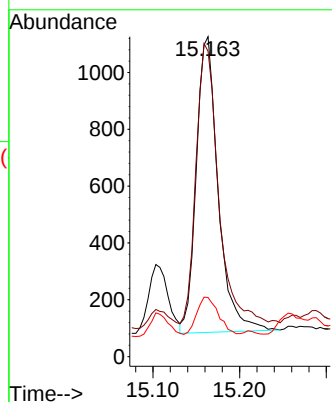
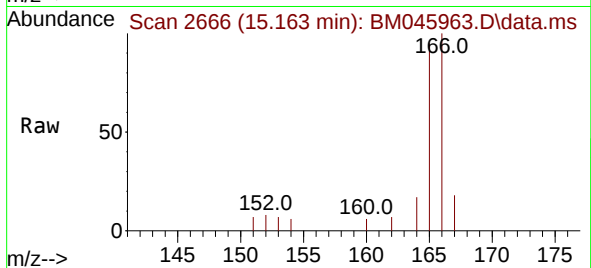
Tgt Ion:166 Resp: 1818

Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.7	119.5
167	18.5	11.3	16.9

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#15

Phenanthrene

Concen: 0.991 ng/u1

RT: 16.888 min Scan# 3057

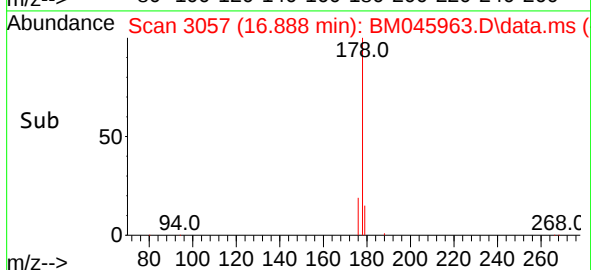
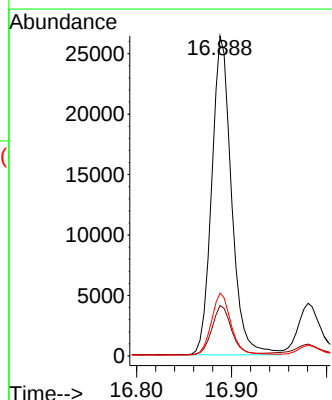
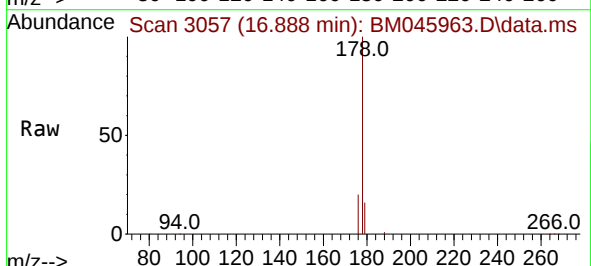
Delta R.T. -0.016 min

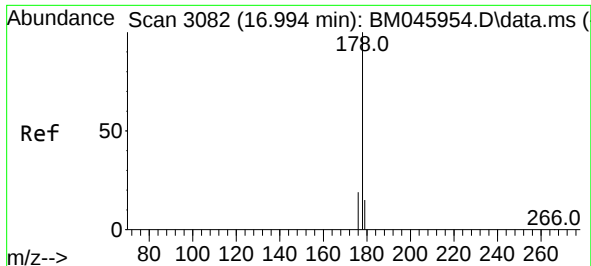
Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

Tgt Ion:178 Resp: 38206

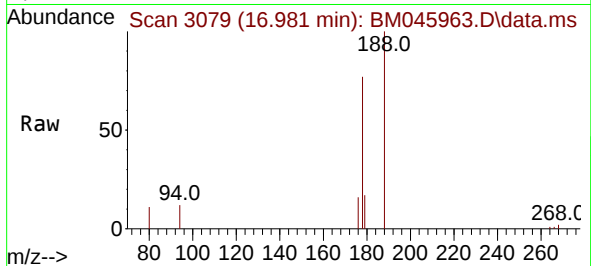
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	19.7	15.6	23.4





#16
 Anthracene
 Concen: 0.204 ng/ul
 RT: 16.981 min Scan# 3082
 Delta R.T. -0.016 min
 Lab File: BM045963.D
 Acq: 10 Jun 2024 22:35

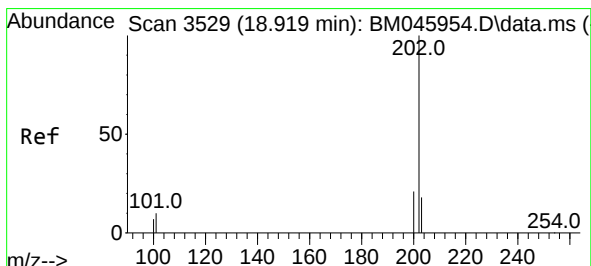
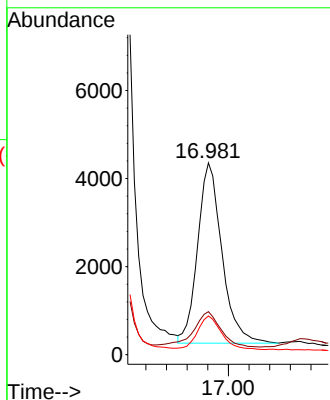
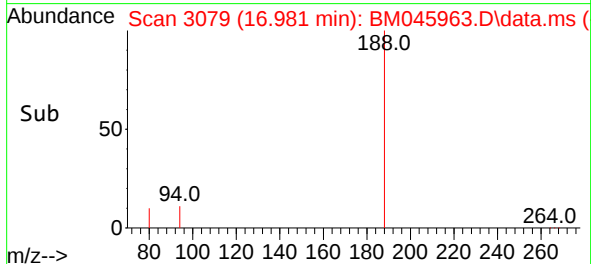
Instrument :
 BNA_M
 ClientSampleId :
 A4B32DL



Tgt Ion:178 Resp: 6700
 Ion Ratio Lower Upper
 178 100
 179 22.5 13.1 19.7
 176 20.2 15.5 23.3

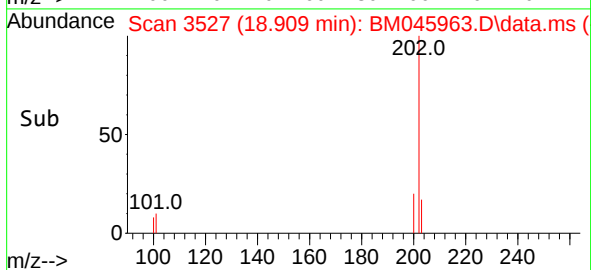
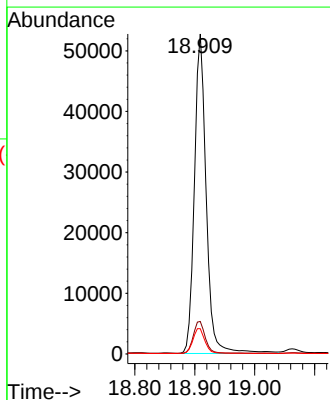
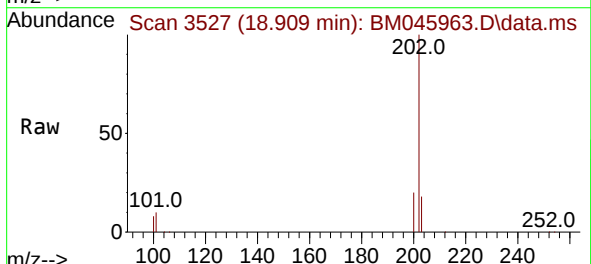
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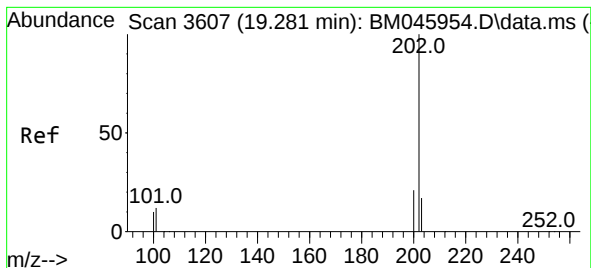
Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



#19
 Fluoranthene
 Concen: 1.753 ng/ul
 RT: 18.909 min Scan# 3527
 Delta R.T. -0.013 min
 Lab File: BM045963.D
 Acq: 10 Jun 2024 22:35

Tgt Ion:202 Resp: 72067
 Ion Ratio Lower Upper
 202 100
 101 10.1 9.0 13.6
 100 7.9 7.0 10.6





#20

Pyrene

Concen: 1.291 ng/ul

RT: 19.271 min Scan# 30

Delta R.T. -0.013 min

Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

Instrument :

BNA_M

ClientSampleId :

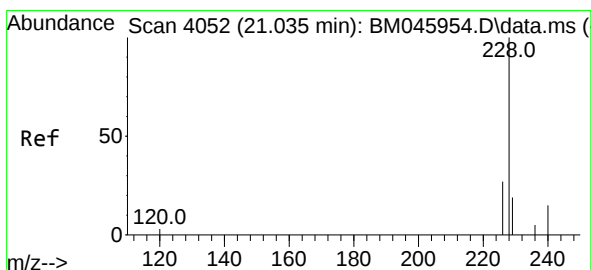
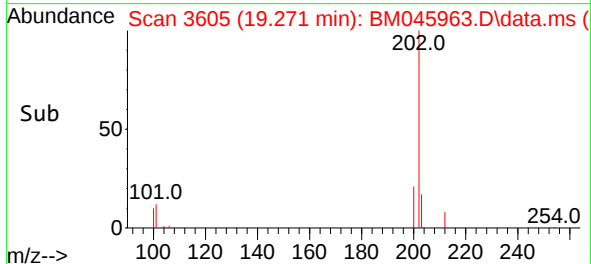
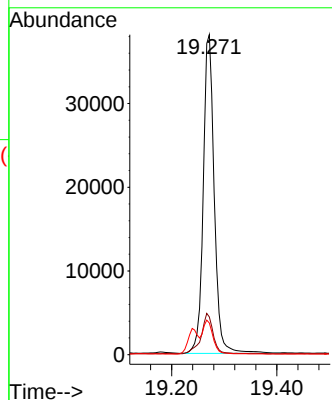
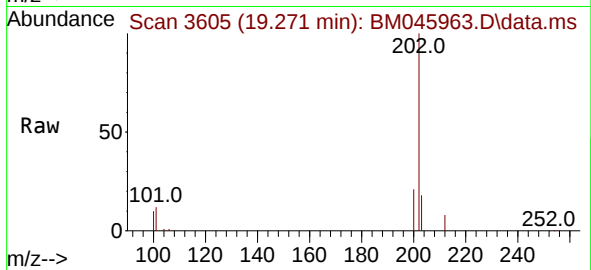
A4B32DL

Tgt Ion:202 Resp: 55334
 Ion Ratio Lower Upper
 202 100
 101 11.8 10.6 16.0
 100 9.9 9.1 13.7

Manual Integrations

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 Supervised By :mohammad ahmed 06/13/2024



#21

Benzo(a)anthracene

Concen: 0.725 ng/ul

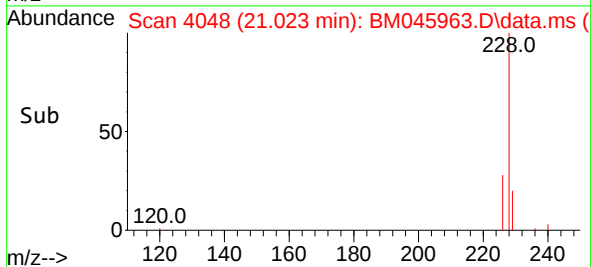
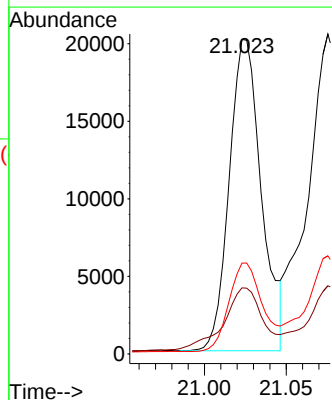
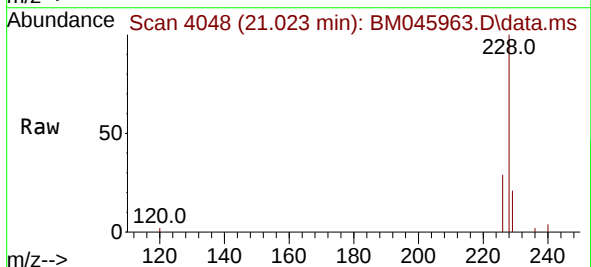
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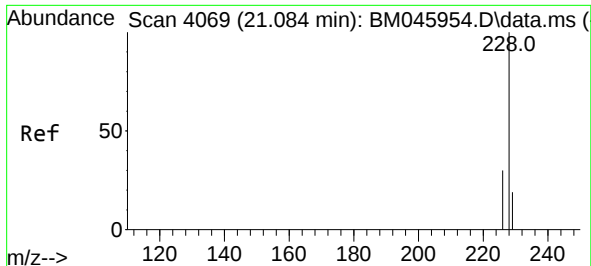
Delta R.T. -0.012 min

Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

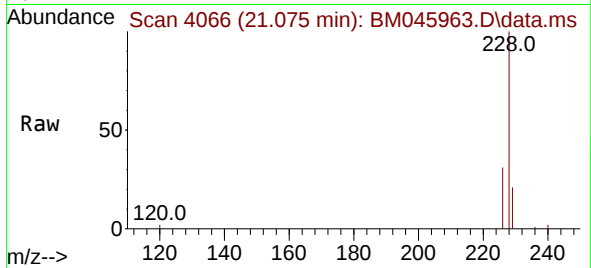
Tgt Ion:228 Resp: 27444
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.7 23.5
 226 28.9 22.0 33.0





#22
Chrysene
Concen: 0.805 ng/ul
RT: 21.075 min Scan# 4066
Delta R.T. -0.012 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

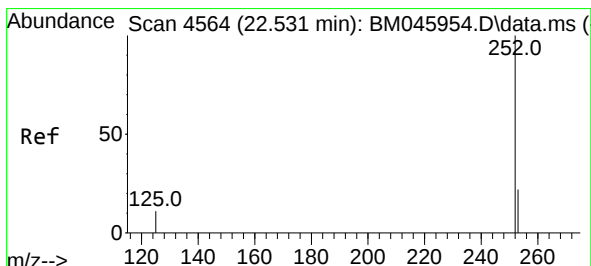
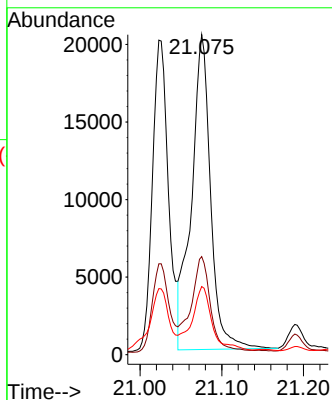
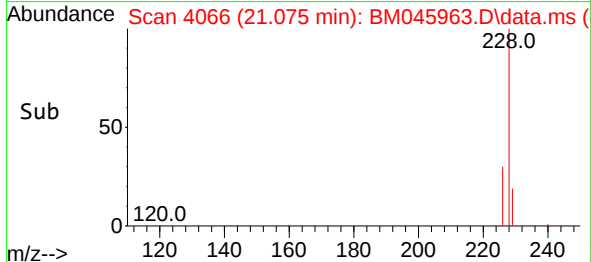
Instrument :
BNA_M
ClientSampleId :
A4B32DL



Tgt Ion:228 Resp: 3316
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 21.3 16.2 24.2

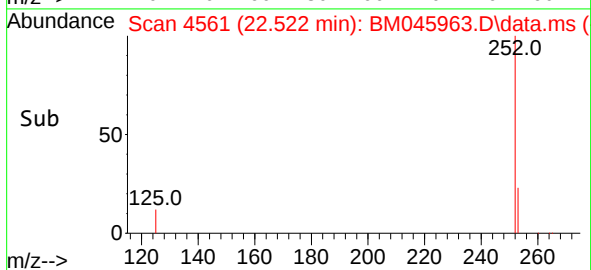
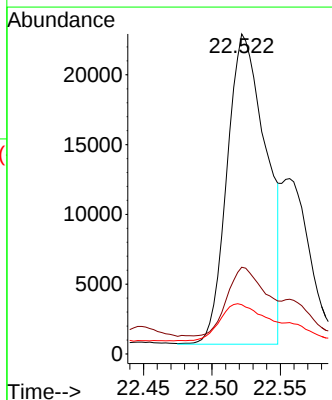
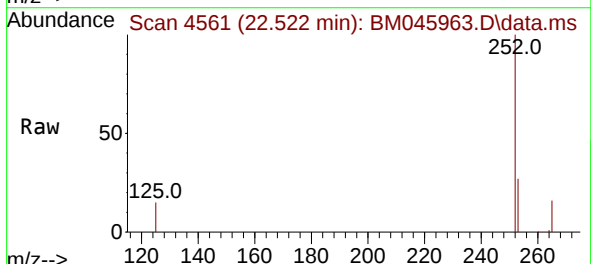
Manual Integrations
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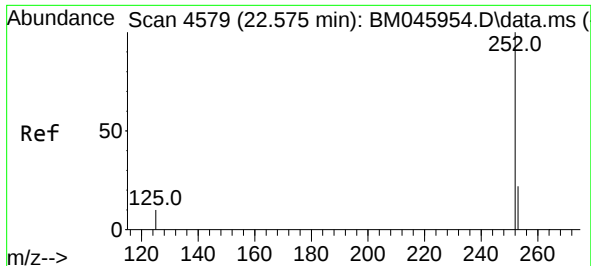
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#24
Benzo(b)fluoranthene
Concen: 1.155 ng/ul m
RT: 22.522 min Scan# 4561
Delta R.T. -0.015 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

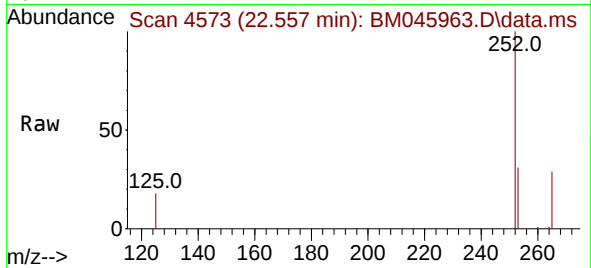
Tgt Ion:252 Resp: 44008
Ion Ratio Lower Upper
252 100
253 27.1 0.0 63.6
125 15.4 0.0 35.8





#25
Benzo(k)fluoranthene
Concen: 0.419 ng/ul m
RT: 22.557 min Scan# 4573
Delta R.T. -0.024 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

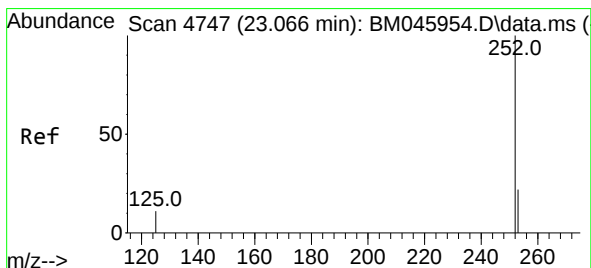
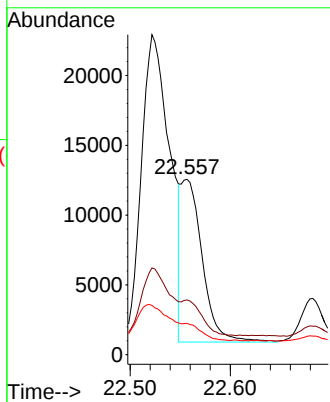
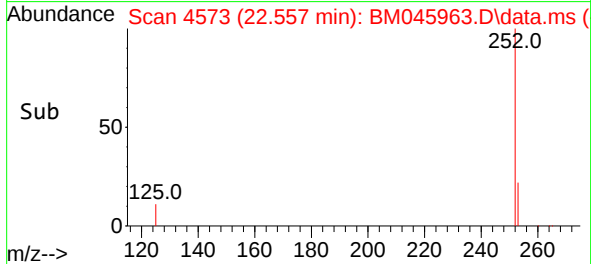
Instrument :
BNA_M
ClientSampleId :
A4B32DL



Tgt Ion:252 Resp: 1755
Ion Ratio Lower Upper
252 100
253 31.2 25.0 37.6
125 17.9 14.2 21.2

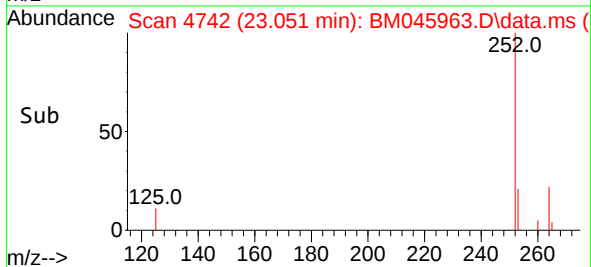
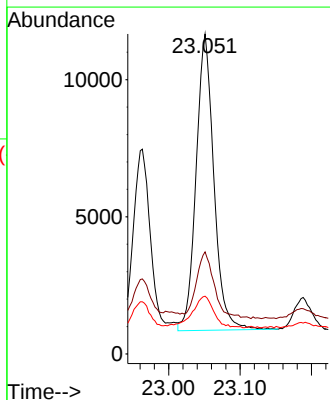
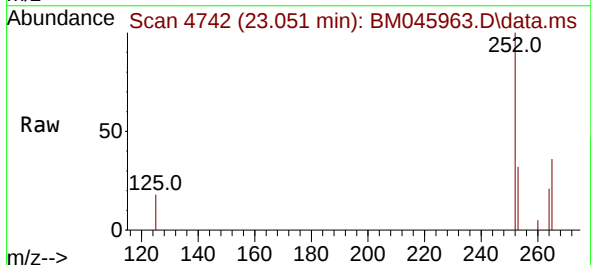
Manual Integrations
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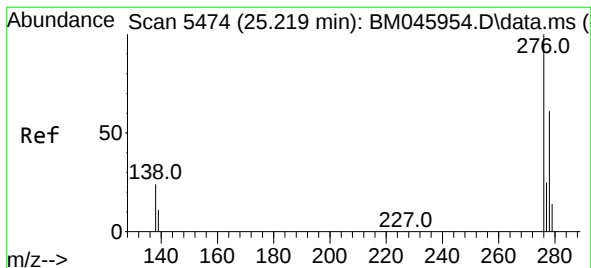
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#26
Benzo(a)pyrene
Concen: 0.494 ng/ul
RT: 23.051 min Scan# 4742
Delta R.T. -0.021 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

Tgt Ion:252 Resp: 18743
Ion Ratio Lower Upper
252 100
253 31.9 28.8 43.2
125 18.0 17.3 25.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.361 ng/ul

RT: 25.202 min Scan# 5474

Delta R.T. -0.030 min

Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

Instrument :

BNA_M

ClientSampleId :

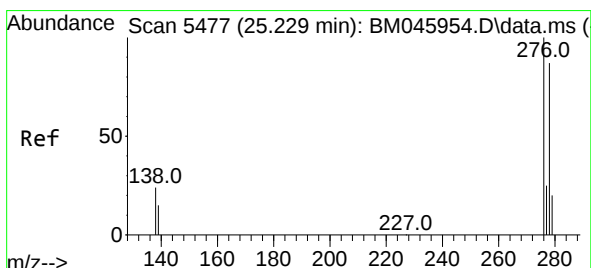
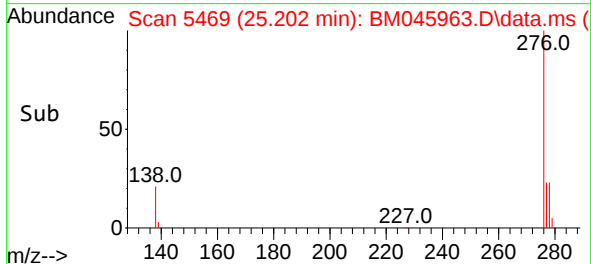
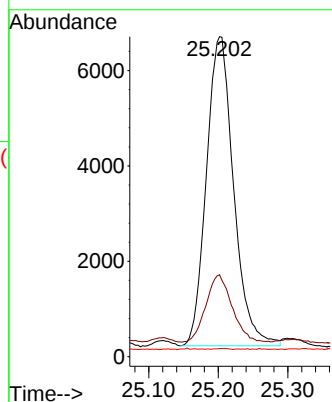
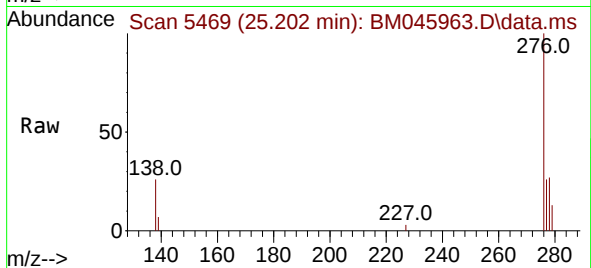
A4B32DL

Tgt Ion:	276	Resp:	1768
Ion Ratio	Lower	Upper	
276	100		
138	21.6	20.7	31.1
227	0.2	0.2	0.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.131 ng/ul

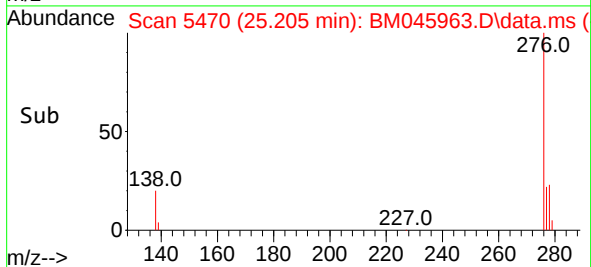
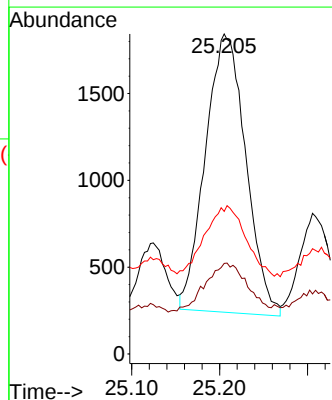
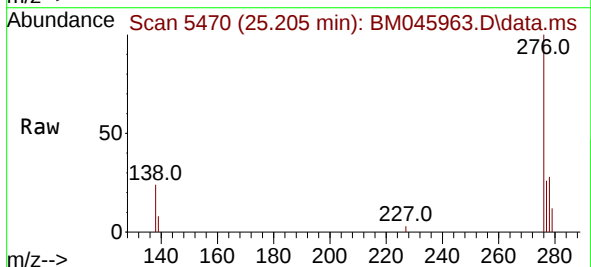
RT: 25.205 min Scan# 5470

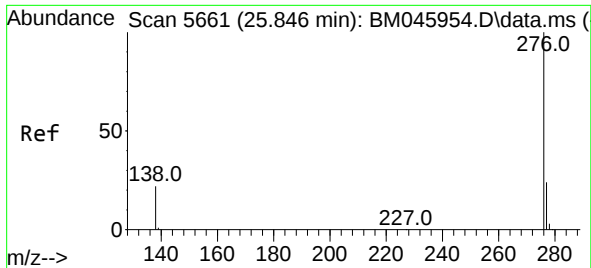
Delta R.T. -0.044 min

Lab File: BM045963.D

Acq: 10 Jun 2024 22:35

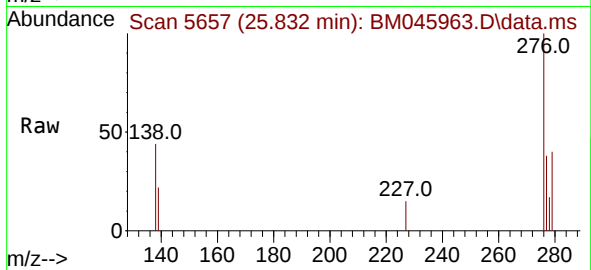
Tgt Ion:	278	Resp:	5121
Ion Ratio	Lower	Upper	
278	100		
139	28.3	16.6	25.0#
279	44.5	24.6	37.0#





#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 25.832 min Scan# 50
Delta R.T. -0.030 min
Lab File: BM045963.D
Acq: 10 Jun 2024 22:35

Instrument :
BNA_M
ClientSampleId :
A4B32DL



Tgt Ion:276 Resp: 292
Ion Ratio Lower Upper
276 100
138 44.2 21.0 31.4
277 38.0 20.5 30.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

