

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045999.D
 Acq On : 12 Jun 2024 15:54
 Operator : MA/JU
 Sample : P2642-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 00:08:20 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 : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	3013	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.222	136	10611	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.095	164	6748	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.837	188	14529	0.400	ng/ul	0.00
17) Chrysene-d12	21.032	240	13019	0.400	ng/ul	0.00
23) Perylene-d12	23.136	264	11848m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.046	96	3690	1.075	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.838	152	984	0.064	ng/ul	0.00
18) Fluoranthene-d10	18.867	212	2666	0.068	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.271	128	2539	0.092	ng/ul#	91
7) 2-Methylnaphthalene	11.910	142	860	0.049	ng/ul	100
8) 1-Methylnaphthalene	12.130	142	775	0.040	ng/ul	97
10) Acenaphthylene	13.813	152	3620	0.118	ng/ul	97
11) Acenaphthene	14.155	153	3781	0.168	ng/ul	98
12) Fluorene	15.150	166	4346	0.172	ng/ul	99
14) Pentachlorophenol	16.529	266	59	0.022	ng/ul#	81
15) Phenanthrene	16.875	178	87510	2.145	ng/ul	99
16) Anthracene	16.968	178	14995	0.431	ng/ul	96
19) Fluoranthene	18.895	202	153386	2.955	ng/ul	98
20) Pyrene	19.258	202	126547	2.337	ng/ul	97
21) Benzo(a)anthracene	21.017	228	62591	1.310	ng/ul	98
22) Chrysene	21.067	228	68393	1.315	ng/ul	99
24) Benzo(b)fluoranthene	22.513	252	81848m	2.083	ng/ul	
25) Benzo(k)fluoranthene	22.551	252	28762m	0.666	ng/ul	
26) Benzo(a)pyrene	23.042	252	38910	0.996	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.189	276	30535	0.604	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.192	278	7957	0.197	ng/ul#	90
29) Benzo(g,h,i)perylene	25.816	276	5013	0.115	ng/ul#	86

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

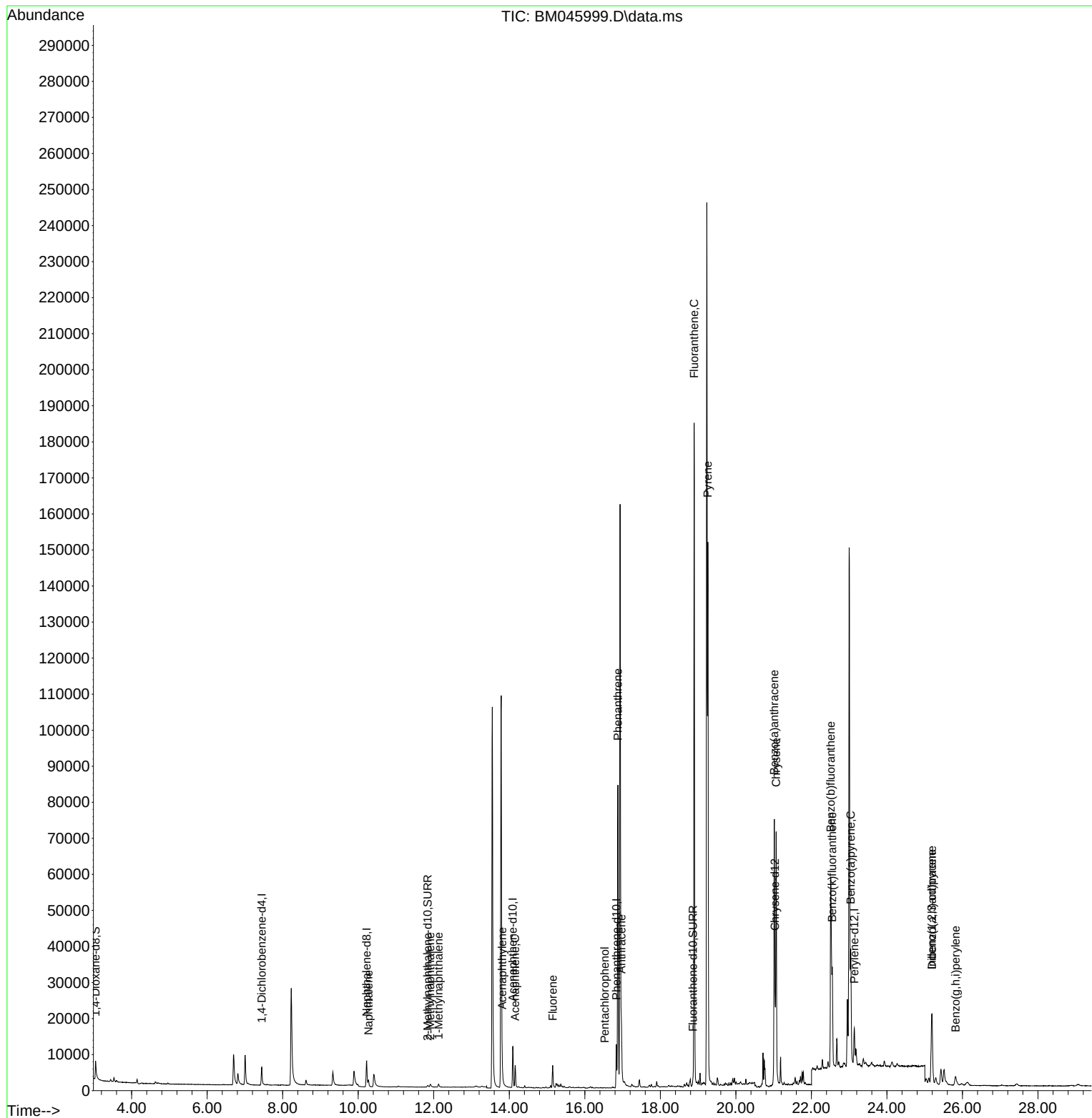
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045999.D
Acq On : 12 Jun 2024 15:54
Operator : MA/JU
Sample : P2642-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

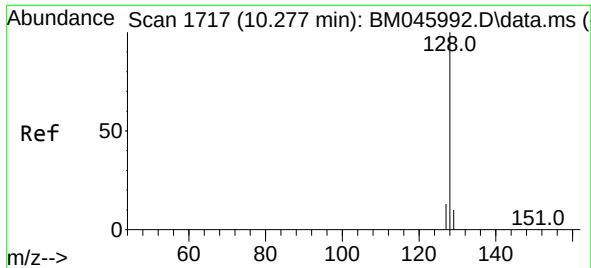
Instrument :
BNA_M
ClientSampleId :
A4C18DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

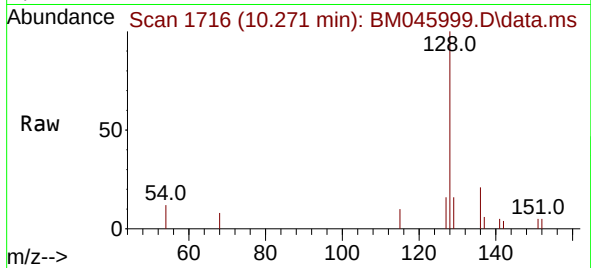
Quant Time: Jun 13 00:08:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.092 ng/ul
RT: 10.271 min Scan# 1716
Delta R.T. -0.005 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

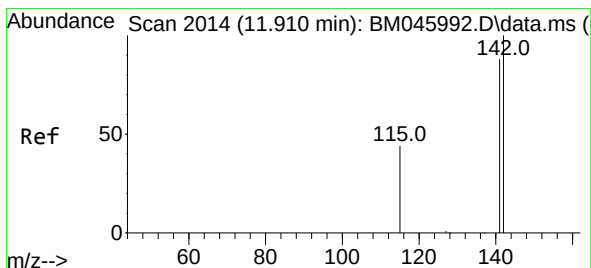
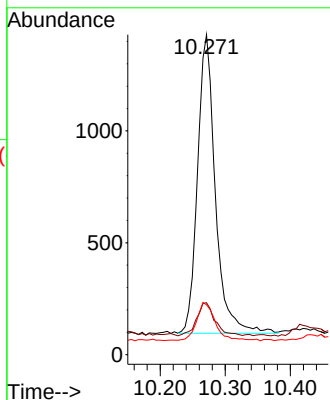
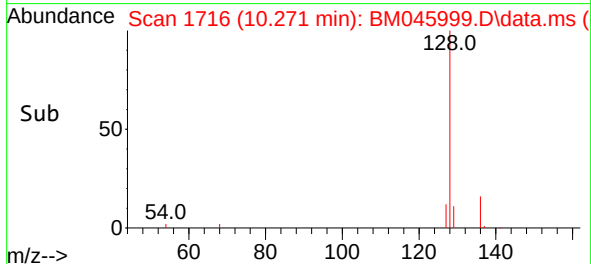
Instrument :
BNA_M
ClientSampleId :
A4C18DL



Tgt Ion:128 Resp: 2539
Ion Ratio Lower Upper
128 100
129 16.2 9.4 14.0
127 15.6 10.6 15.8

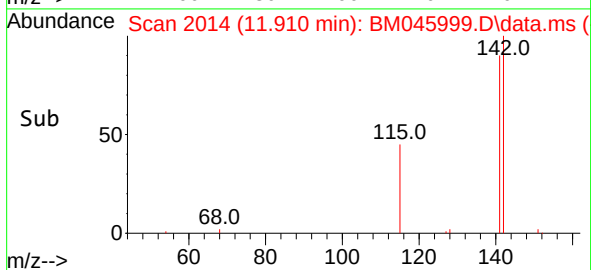
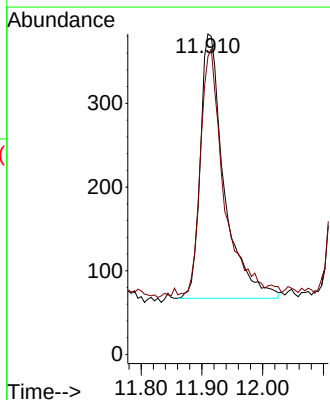
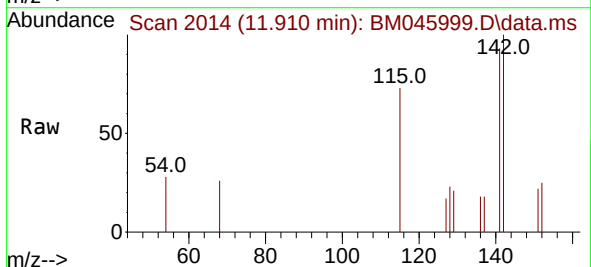
Manual Integrations
APPROVED

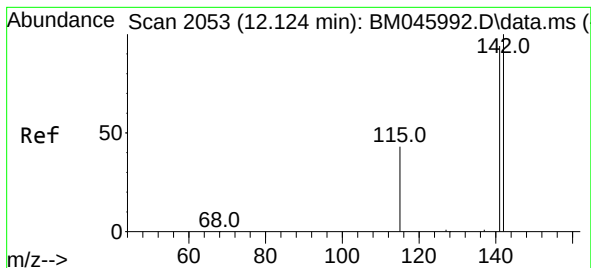
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#7
2-Methylnaphthalene
Concen: 0.049 ng/ul
RT: 11.910 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

Tgt Ion:142 Resp: 860
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4





#8

1-Methylnaphthalene

Concen: 0.040 ng/ul

RT: 12.130 min Scan# 2054

Delta R.T. 0.006 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

Instrument :

BNA_M

ClientSampleId :

A4C18DL

Tgt Ion:142 Resp: 775

Ion Ratio Lower Upper

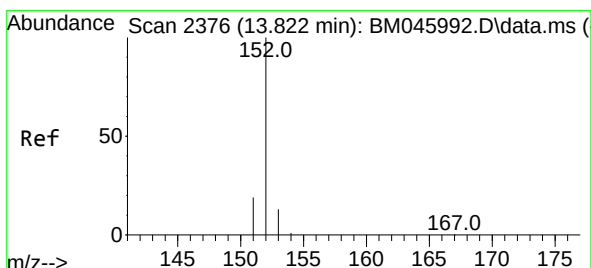
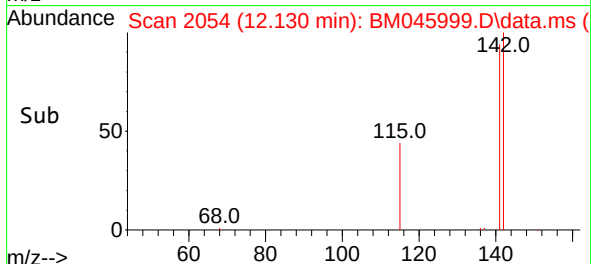
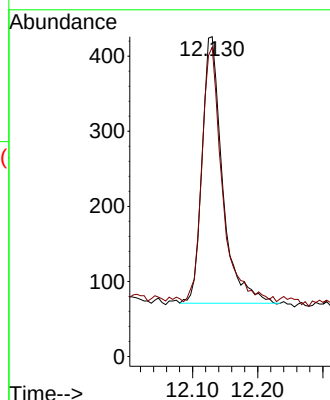
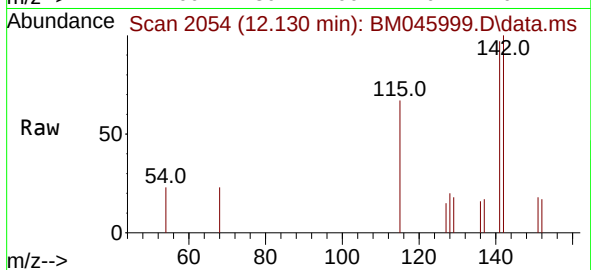
142 100

141 94.8 73.5 110.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#10

Acenaphthylene

Concen: 0.118 ng/ul

RT: 13.813 min Scan# 2374

Delta R.T. -0.009 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

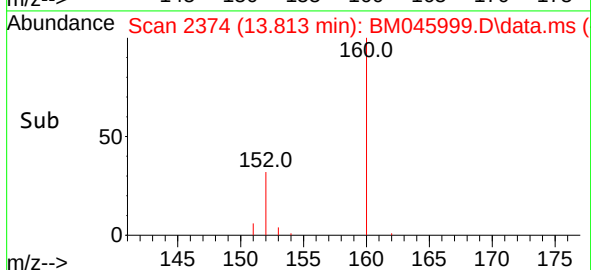
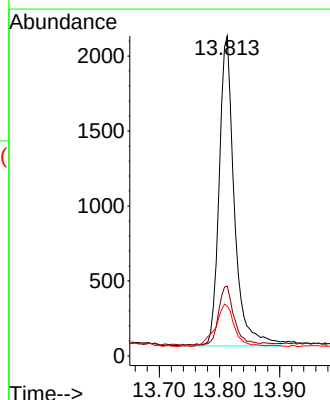
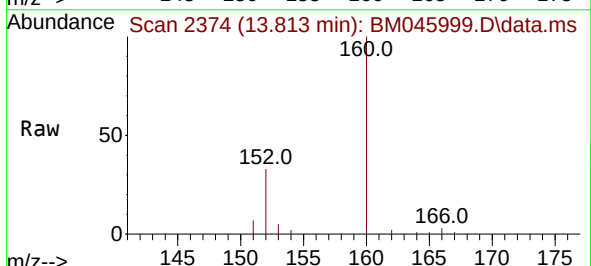
Tgt Ion:152 Resp: 3620

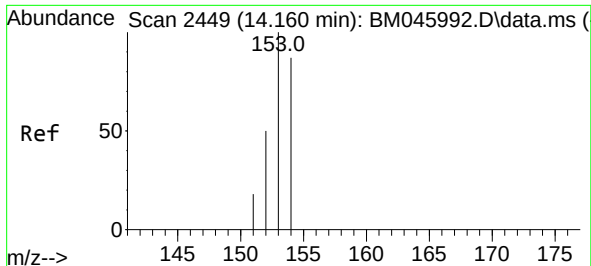
Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

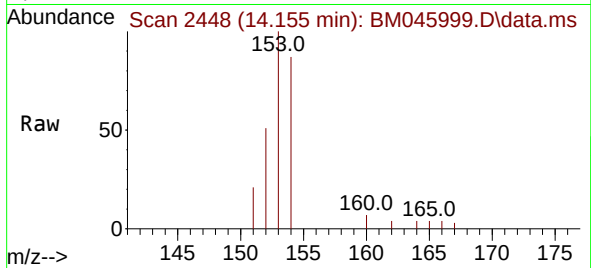
153 15.6 11.1 16.7





#11
Acenaphthene
Concen: 0.168 ng/u1
RT: 14.155 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

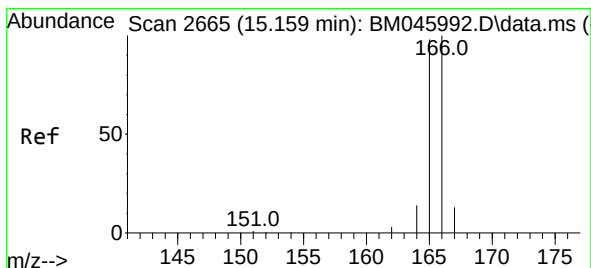
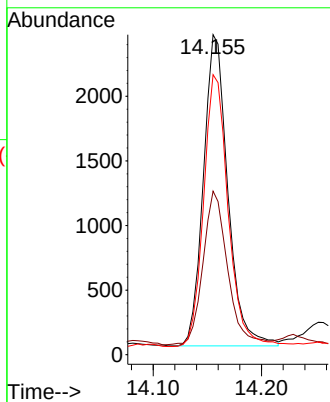
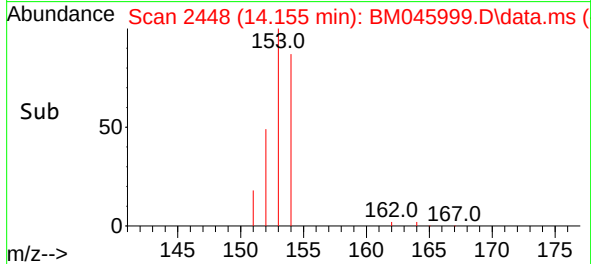
Instrument :
BNA_M
ClientSampleId :
A4C18DL



Tgt Ion:153 Resp: 378
Ion Ratio Lower Upper
153 100
152 51.1 39.0 58.4
154 87.5 69.4 104.2

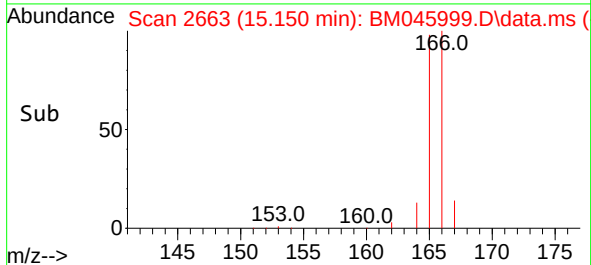
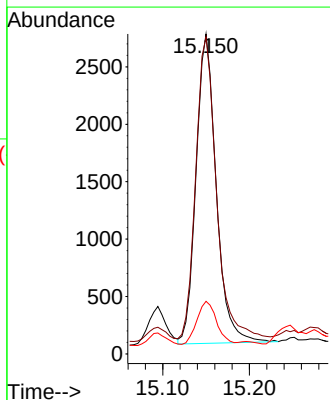
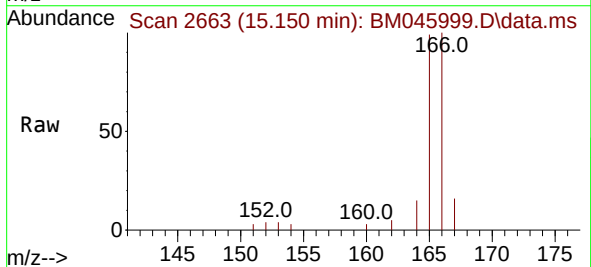
Manual Integrations
APPROVED

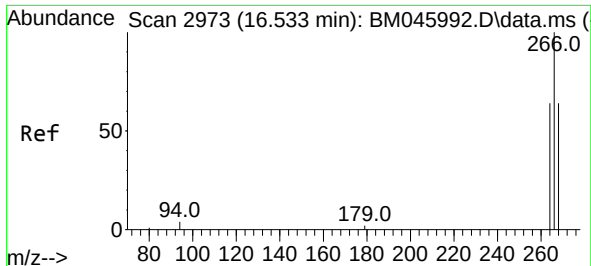
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#12
Fluorene
Concen: 0.172 ng/u1
RT: 15.150 min Scan# 2663
Delta R.T. -0.009 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

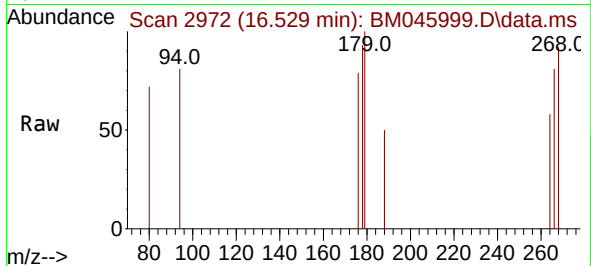
Tgt Ion:166 Resp: 4346
Ion Ratio Lower Upper
166 100
165 99.1 79.7 119.5
167 16.4 11.3 16.9





#14
Pentachlorophenol
Concen: 0.022 ng/ul
RT: 16.529 min Scan# 2973
Delta R.T. -0.004 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

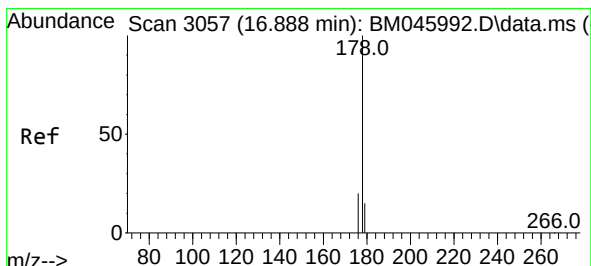
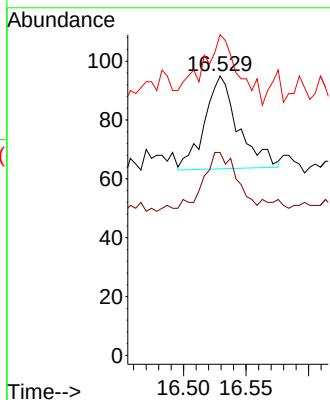
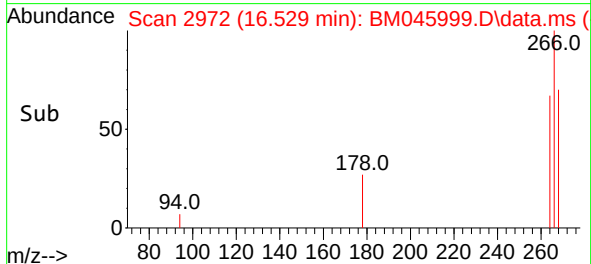
Instrument :
BNA_M
ClientSampleId :
A4C18DL



Tgt Ion:266 Resp: 59
Ion Ratio Lower Upper
266 100
264 66.1 47.9 71.9
268 86.4 50.9 76.3

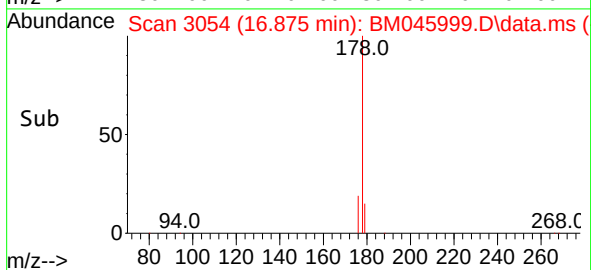
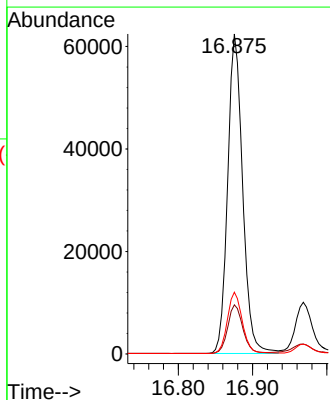
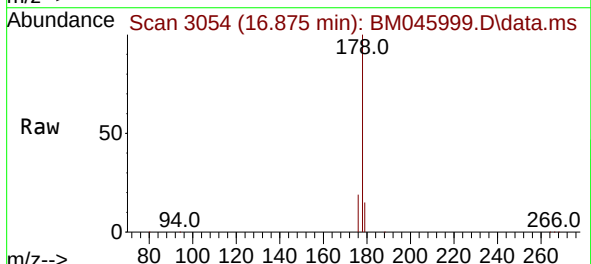
Manual Integrations
APPROVED

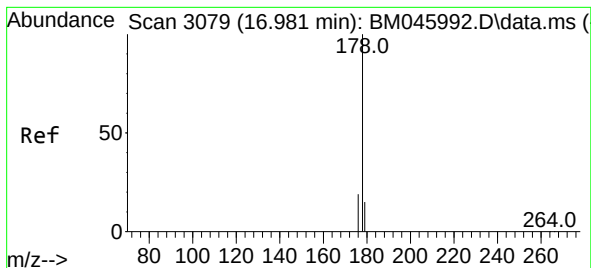
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#15
Phenanthrene
Concen: 2.145 ng/ul
RT: 16.875 min Scan# 3054
Delta R.T. -0.013 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

Tgt Ion:178 Resp: 87510
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.3 15.6 23.4





#16

Anthracene

Concen: 0.431 ng/u1

RT: 16.968 min Scan# 3079

Delta R.T. -0.012 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

Instrument :

BNA_M

ClientSampleId :

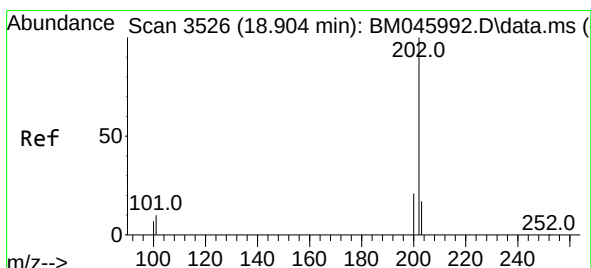
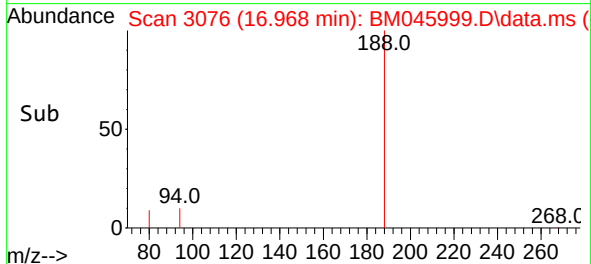
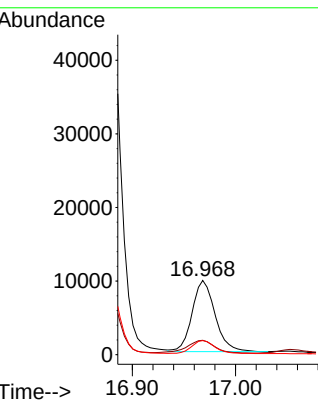
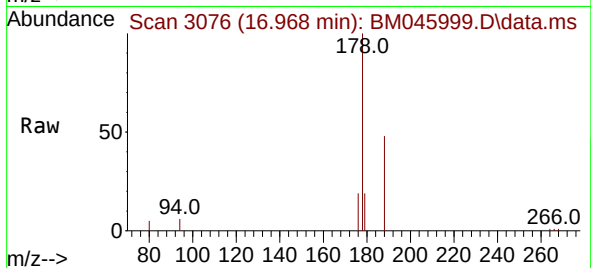
A4C18DL

Tgt Ion:178	Resp: 1499
Ion Ratio	Lower Upper
178 100	
179 19.3	13.1 19.7
176 19.0	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#19

Fluoranthene

Concen: 2.955 ng/u1

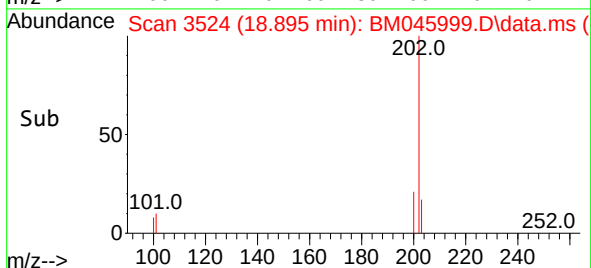
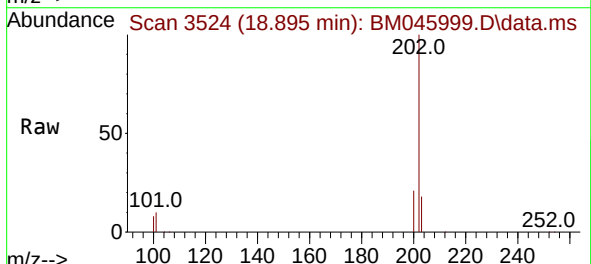
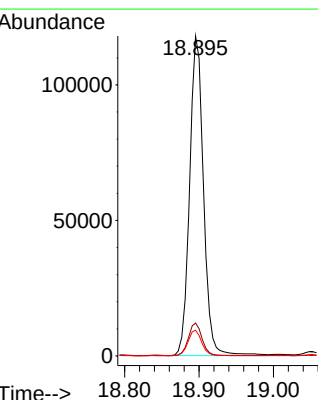
RT: 18.895 min Scan# 3524

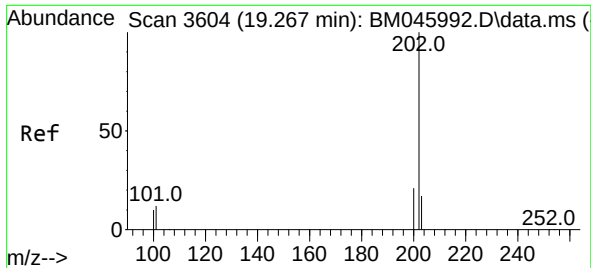
Delta R.T. -0.009 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

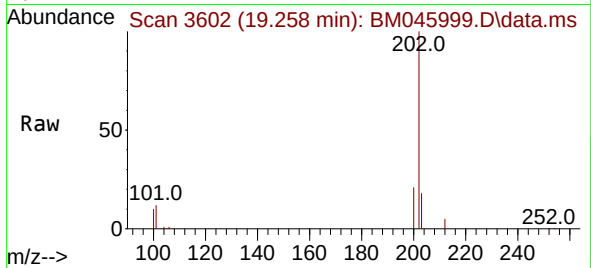
Tgt Ion:202	Resp: 153386
Ion Ratio	Lower Upper
202 100	
101 10.3	9.0 13.6
100 8.0	7.0 10.6





#20
Pyrene
Concen: 2.337 ng/ul
RT: 19.258 min Scan# 3602
Delta R.T. -0.009 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

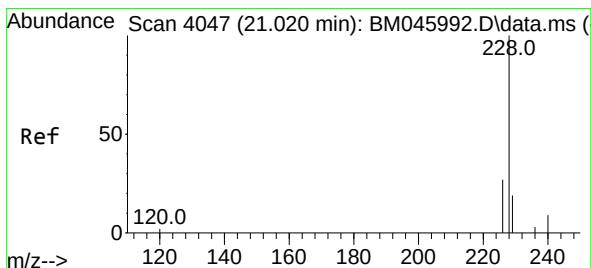
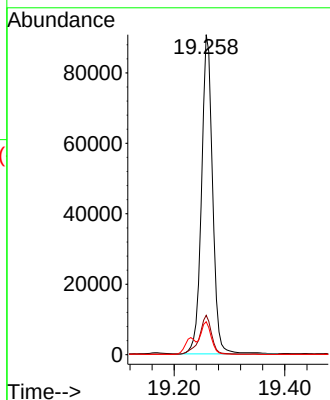
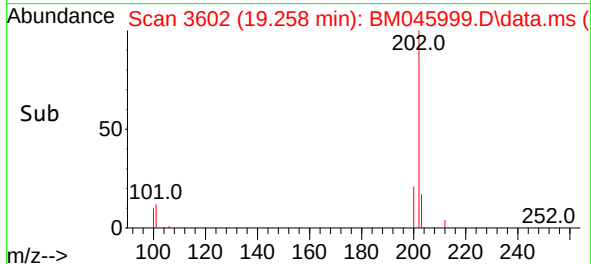
Instrument :
BNA_M
ClientSampleId :
A4C18DL



Tgt Ion:202 Resp: 12654
Ion Ratio Lower Upper
202 100
101 12.3 10.6 16.0
100 10.3 9.1 13.7

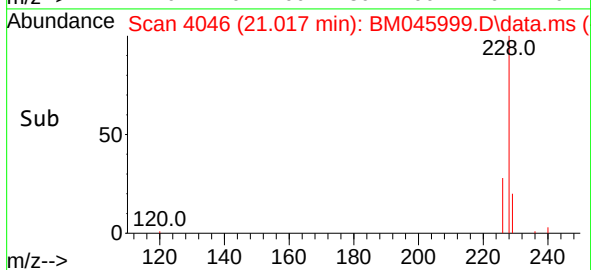
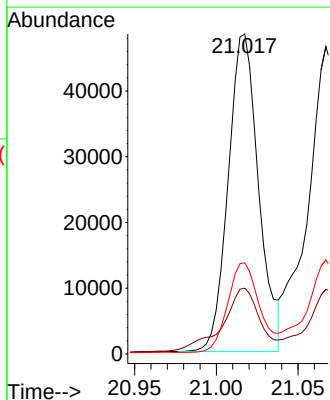
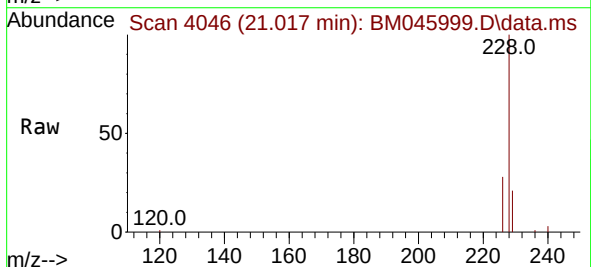
Manual Integrations
APPROVED

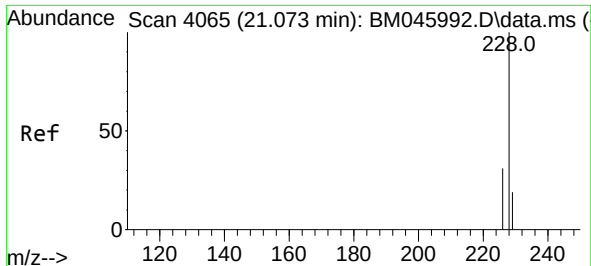
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#21
Benzo(a)anthracene
Concen: 1.310 ng/ul
RT: 21.017 min Scan# 4046
Delta R.T. -0.003 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

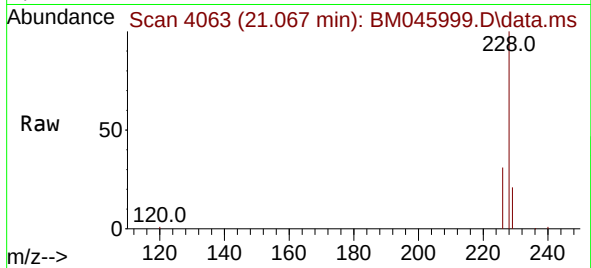
Tgt Ion:228 Resp: 62591
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.5 22.0 33.0





#22
Chrysene
Concen: 1.315 ng/ul
RT: 21.067 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

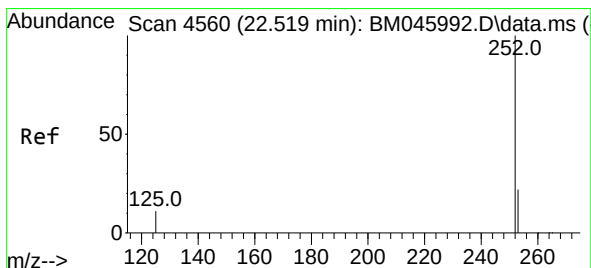
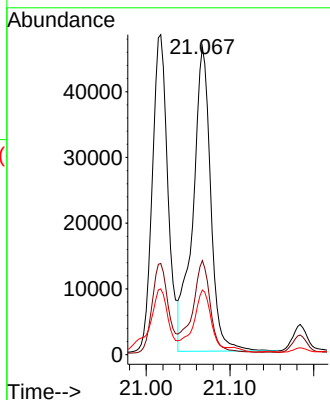
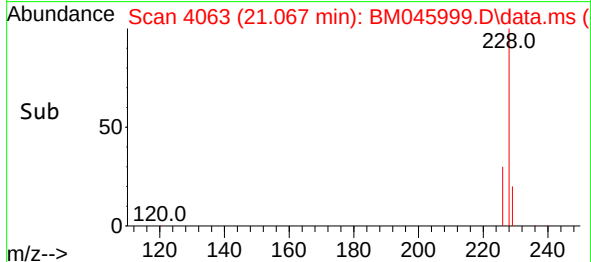
Instrument :
BNA_M
ClientSampleId :
A4C18DL



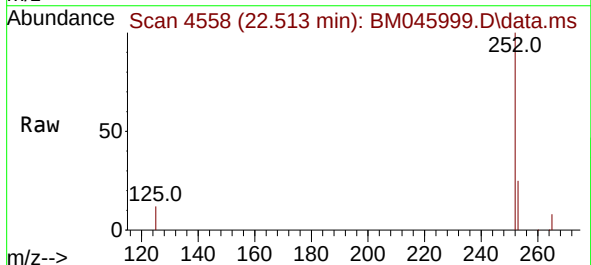
Tgt Ion:228 Resp: 6839
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 21.0 16.2 24.2

Manual Integrations
APPROVED

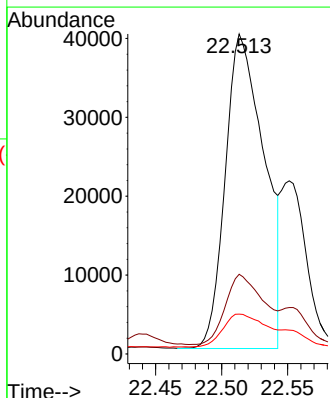
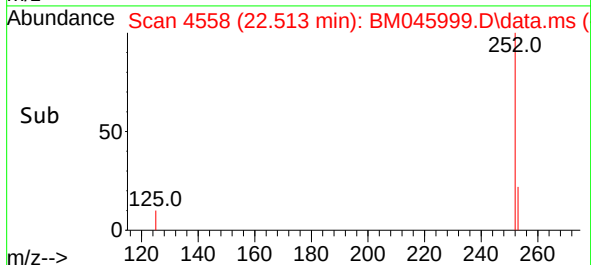
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

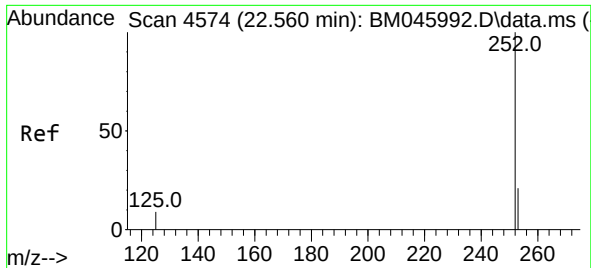


#24
Benzo(b)fluoranthene
Concen: 2.083 ng/ul m
RT: 22.513 min Scan# 4558
Delta R.T. -0.006 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54



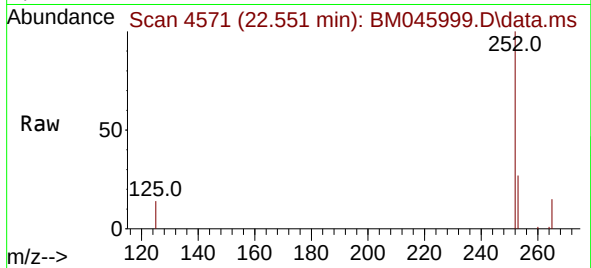
Tgt Ion:252 Resp: 81848
Ion Ratio Lower Upper
252 100
253 24.9 0.0 63.6
125 12.5 0.0 35.8





#25
Benzo(k)fluoranthene
Concen: 0.666 ng/ul m
RT: 22.551 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

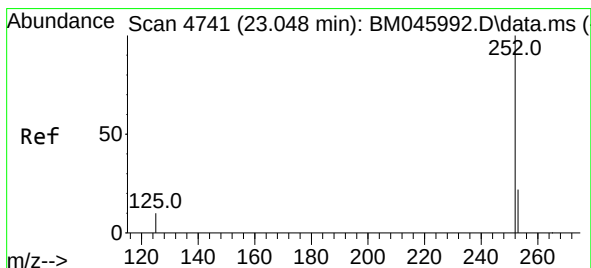
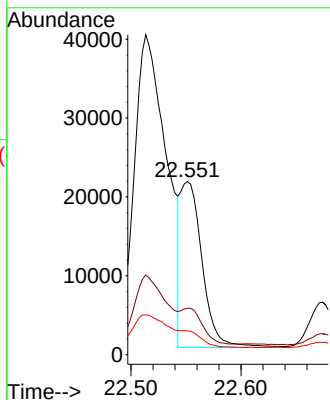
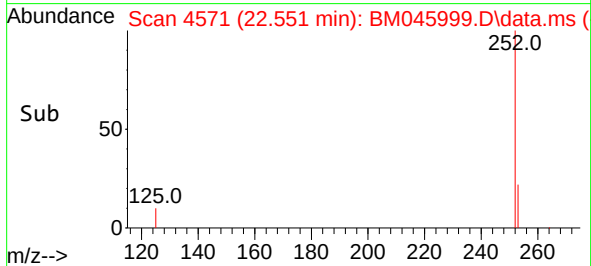
Instrument :
BNA_M
ClientSampleId :
A4C18DL



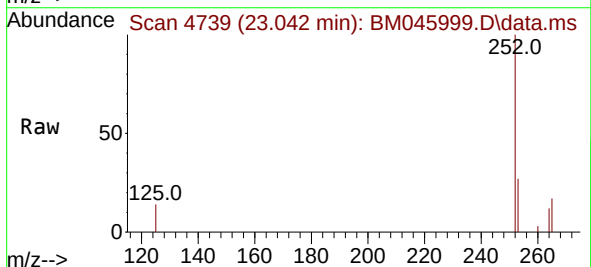
Tgt Ion:252 Resp: 28762
Ion Ratio Lower Upper
252 100
253 26.8 25.0 37.6
125 13.7 14.2 21.2

Manual Integrations
APPROVED

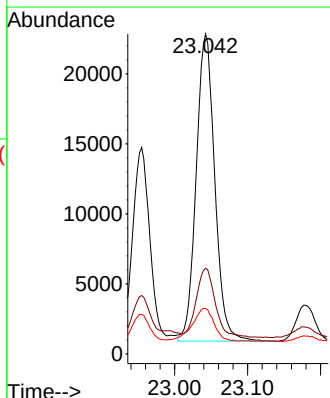
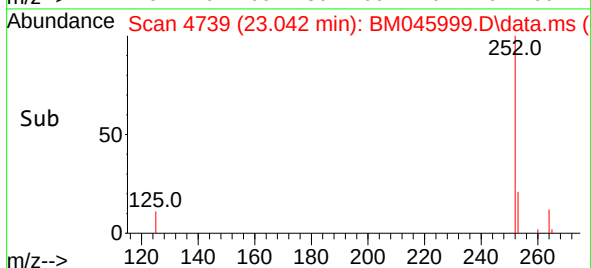
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

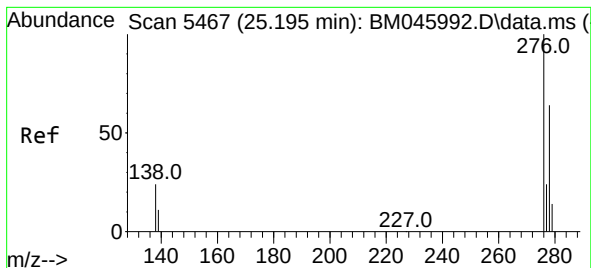


#26
Benzo(a)pyrene
Concen: 0.996 ng/ul
RT: 23.042 min Scan# 4739
Delta R.T. -0.006 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54



Tgt Ion:252 Resp: 38910
Ion Ratio Lower Upper
252 100
253 26.8 28.8 43.2#
125 14.2 17.3 25.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.604 ng/ul

RT: 25.189 min Scan# 5465

Delta R.T. -0.007 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

Instrument :

BNA_M

ClientSampleId :

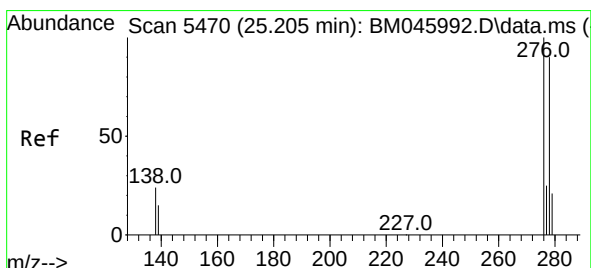
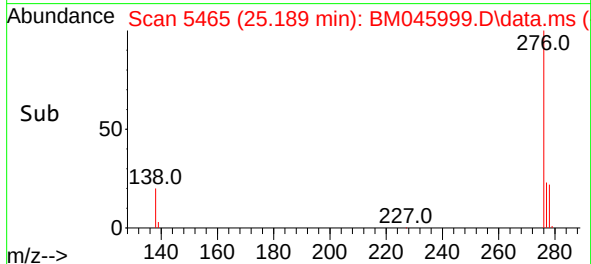
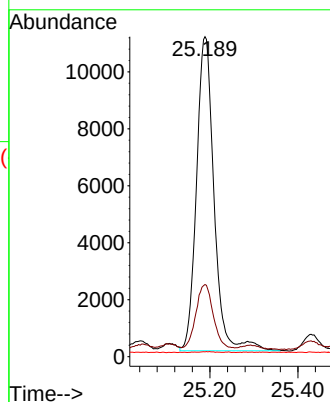
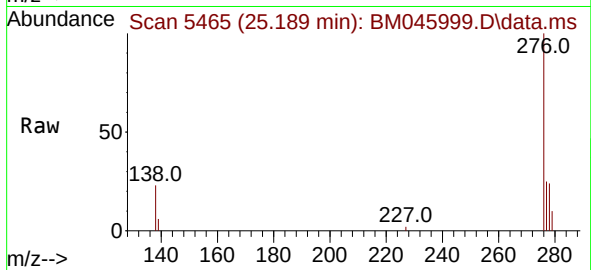
A4C18DL

Tgt Ion:276 Resp: 3053
 Ion Ratio Lower Upper
 276 100
 138 19.7 20.7 31.1
 227 0.2 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.197 ng/ul

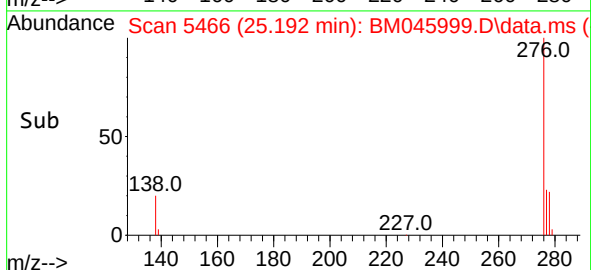
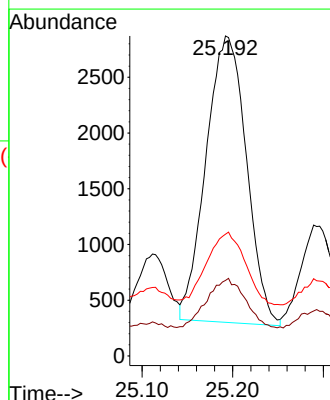
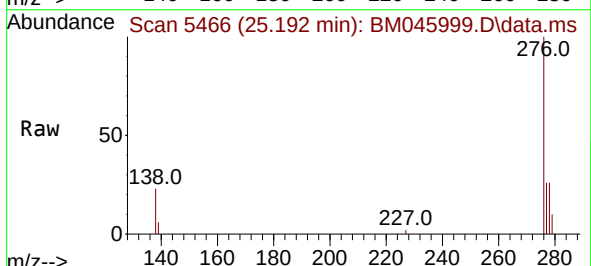
RT: 25.192 min Scan# 5466

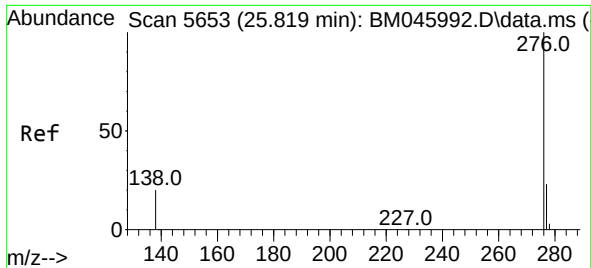
Delta R.T. -0.013 min

Lab File: BM045999.D

Acq: 12 Jun 2024 15:54

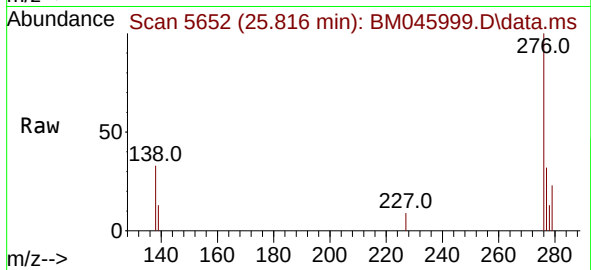
Tgt Ion:278 Resp: 7957
 Ion Ratio Lower Upper
 278 100
 139 23.6 16.6 25.0
 279 38.1 24.6 37.0#





#29
Benzo(g,h,i)perylene
Concen: 0.115 ng/ul
RT: 25.816 min Scan# 501
Delta R.T. -0.003 min
Lab File: BM045999.D
Acq: 12 Jun 2024 15:54

Instrument :
BNA_M
ClientSampleId :
A4C18DL



Tgt Ion:276 Resp: 501
Ion Ratio Lower Upper
276 100
138 33.5 21.0 31.4
277 32.1 20.5 30.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

