

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045994.D
 Acq On : 12 Jun 2024 12:02
 Operator : MA/JU
 Sample : P2642-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4DG2

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 00:07:23 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	7.438	152	3822	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.198	136	12228	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.080	164	7237	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.828	188	16710m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.035	240	14184m	0.400	ng/ul	0.00
23) Perylene-d12	23.128	264	13686m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	15758	3.620	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.810	152	5102	0.290	ng/ul	-0.02
18) Fluoranthene-d10	18.861	212	16470	0.388	ng/ul	-0.02
Target Compounds						
5) Naphthalene	10.248	128	5042316	157.781	ng/ul	99
7) 2-Methylnaphthalene	11.881	142	858	0.042	ng/ul#	60
10) Acenaphthylene	13.802	152	6028597	183.172	ng/ul	99
11) Acenaphthene	14.145	153	2927903	121.069	ng/ul	98
12) Fluorene	15.135	166	1483736	54.883	ng/ul	98
14) Pentachlorophenol	16.507	266	1374405	439.888	ng/ul	98
15) Phenanthrene	16.870	178	2662651m	56.754	ng/ul	
16) Anthracene	16.963	178	3463919m	86.563	ng/ul	
19) Fluoranthene	18.903	202	9168302	162.099	ng/ul	100
20) Pyrene	19.261	202	4559713	77.282	ng/ul	98
21) Benzo(a)anthracene	21.018	228	6230551	119.670	ng/ul	96
22) Chrysene	21.076	228	7821926	137.999	ng/ul	96
25) Benzo(k)fluoranthene	22.566	252	8161685	163.613	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.213	278	4667637	100.026	ng/ul#	90

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

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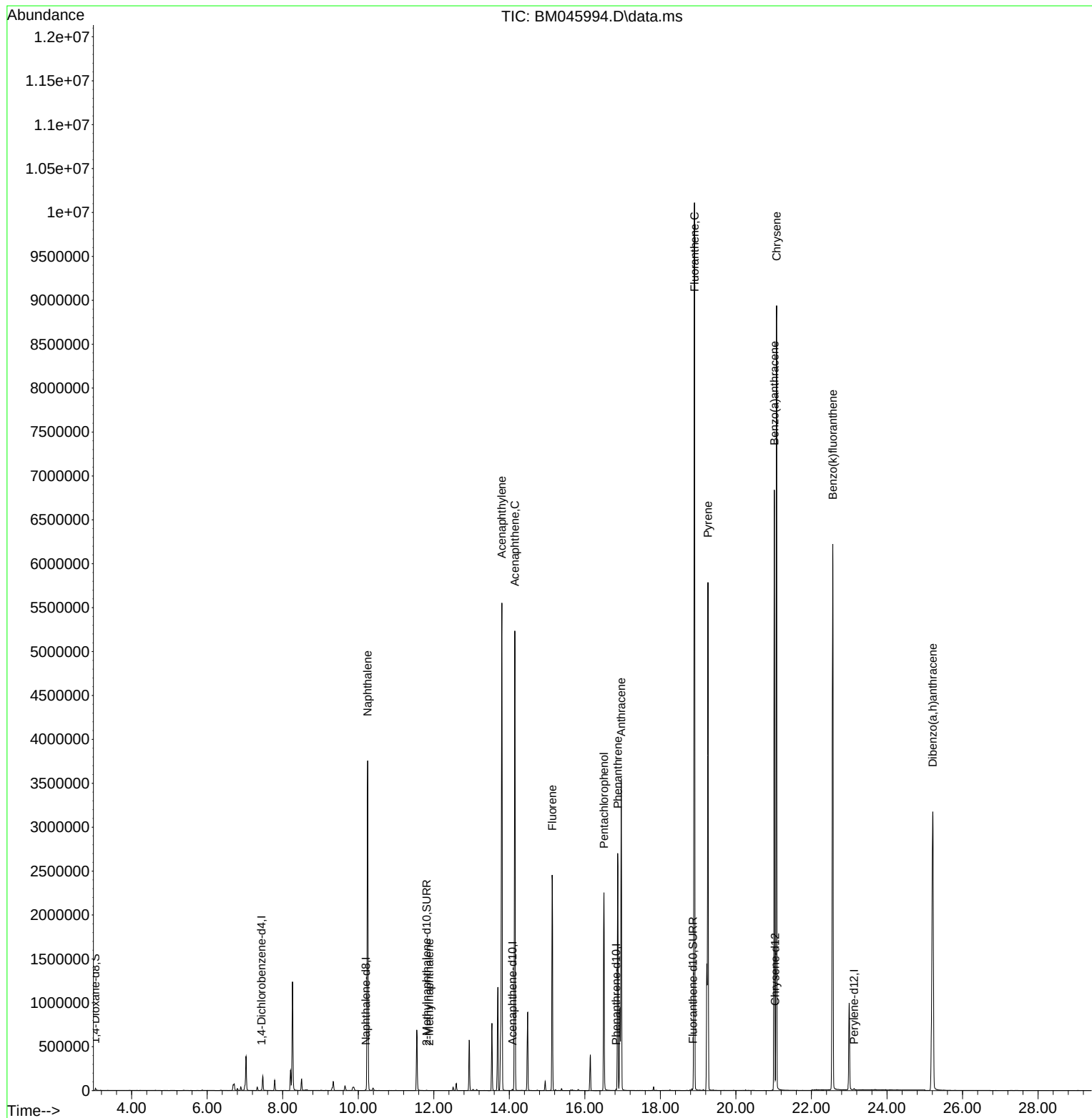
Quant Time: Jun 13 00:07:23 2024

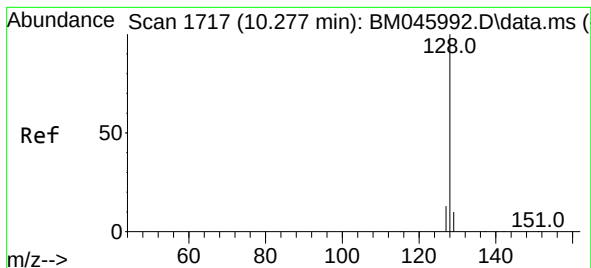
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M

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: 157.781 ng/ul

RT: 10.248 min Scan# 1

Delta R.T. -0.029 min

Lab File: BM045994.D

Acq: 12 Jun 2024 12:02

Instrument :

BNA_M

ClientSampleId :

A4DG2

Tgt Ion:128 Resp: 5042310

Ion Ratio Lower Upper

128 100

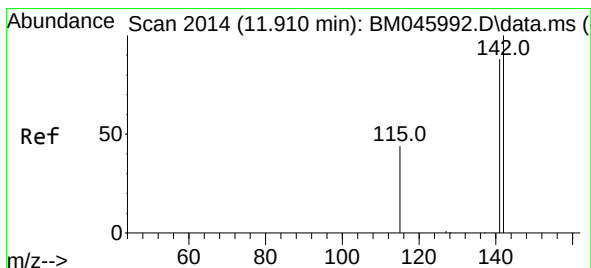
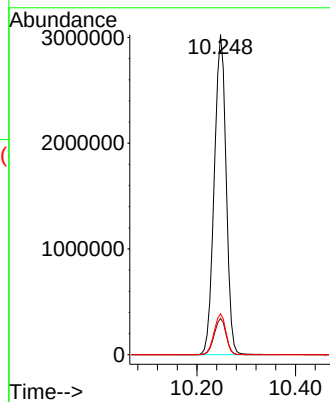
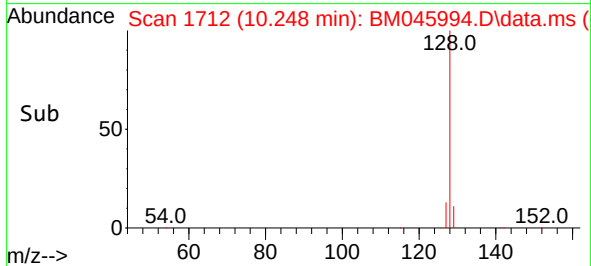
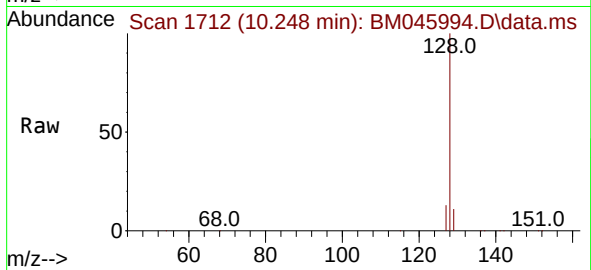
129 11.3 9.4 14.0

127 12.8 10.6 15.8

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.042 ng/ul

RT: 11.881 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BM045994.D

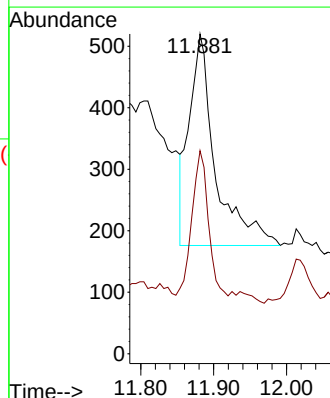
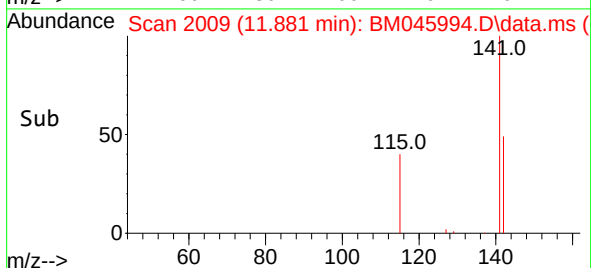
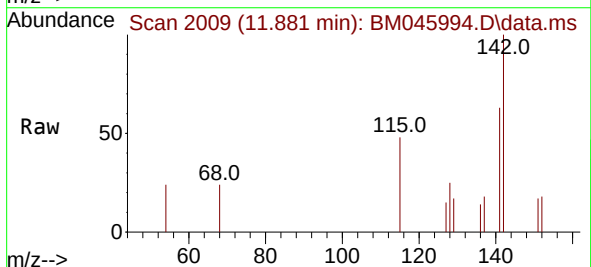
Acq: 12 Jun 2024 12:02

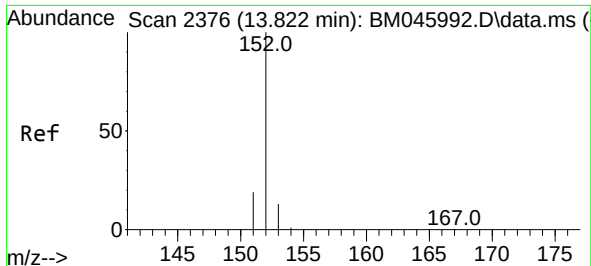
Tgt Ion:142 Resp: 858

Ion Ratio Lower Upper

142 100

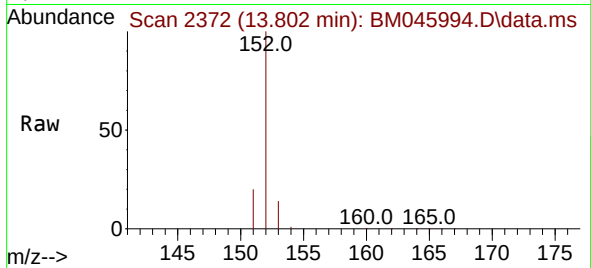
141 52.4 72.2 108.4#





#10
Acenaphthylene
Concen: 183.172 ng/u1
RT: 13.802 min Scan# 21
Delta R.T. -0.020 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

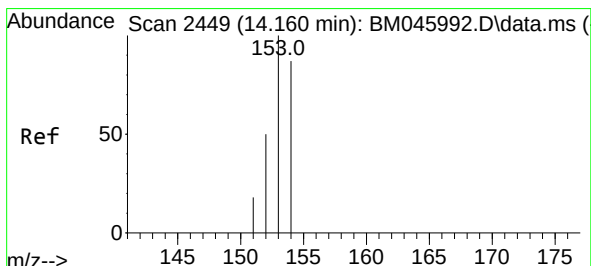
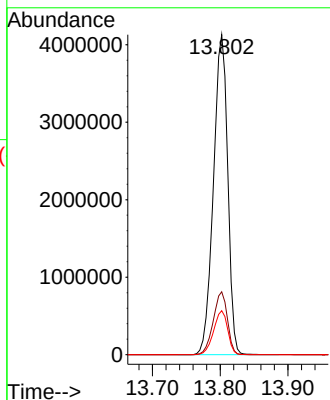
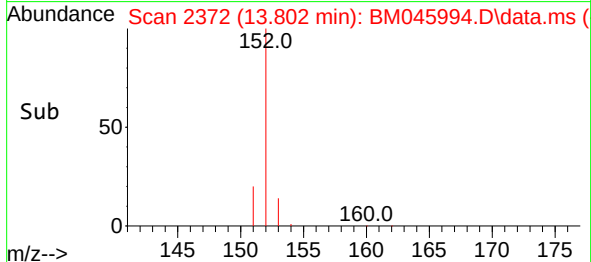
Instrument :
BNA_M
ClientSampleId :
A4DG2



Tgt Ion:152 Resp: 602859
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.8 11.1 16.7

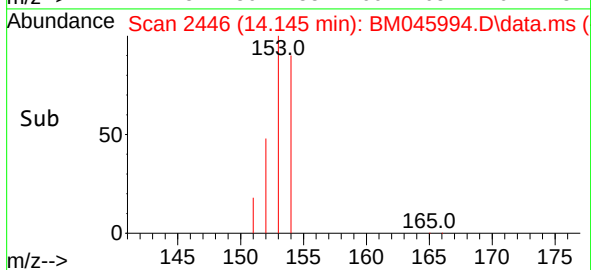
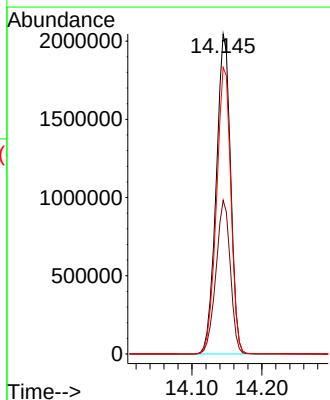
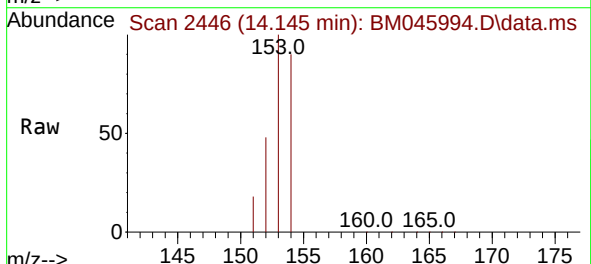
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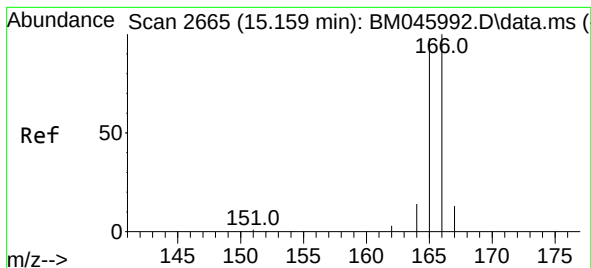
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#11
Acenaphthene
Concen: 121.069 ng/u1
RT: 14.145 min Scan# 2446
Delta R.T. -0.015 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

Tgt Ion:153 Resp: 2927903
Ion Ratio Lower Upper
153 100
152 48.1 39.0 58.4
154 89.6 69.4 104.2





#12

Fluorene

Concen: 54.883 ng/ul

RT: 15.135 min Scan# 2

Delta R.T. -0.024 min

Lab File: BM045994.D

Acq: 12 Jun 2024 12:02

Instrument :

BNA_M

ClientSampleId :

A4DG2

Tgt Ion:166 Resp: 1483730

Ion Ratio Lower Upper

166 100

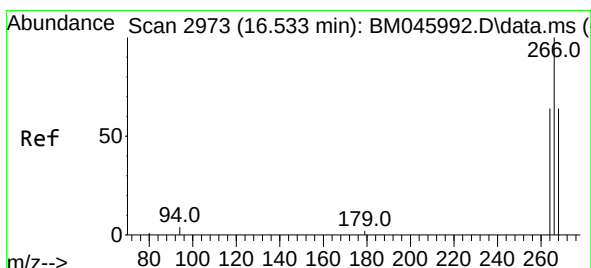
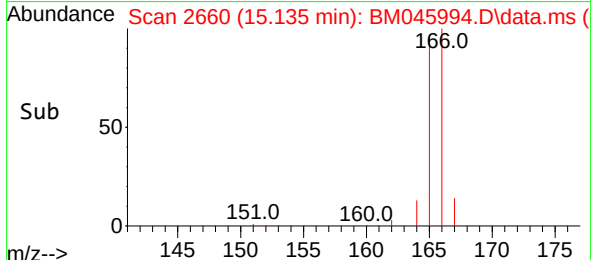
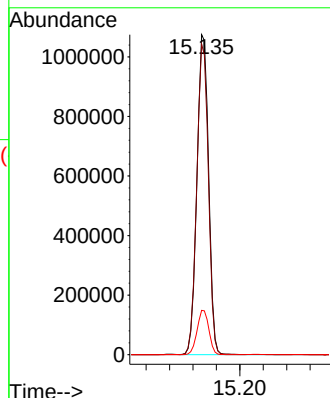
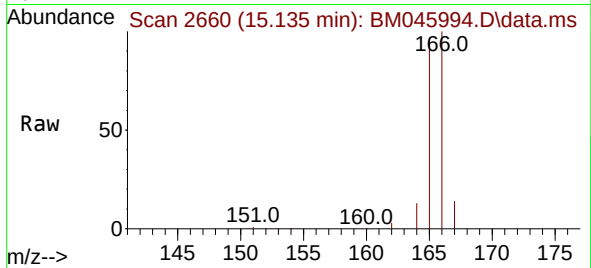
165 97.0 79.7 119.5

167 13.9 11.3 16.9

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#14

Pentachlorophenol

Concen: 439.888 ng/ul

RT: 16.507 min Scan# 2967

Delta R.T. -0.026 min

Lab File: BM045994.D

Acq: 12 Jun 2024 12:02

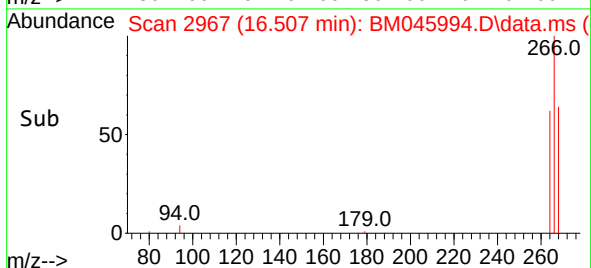
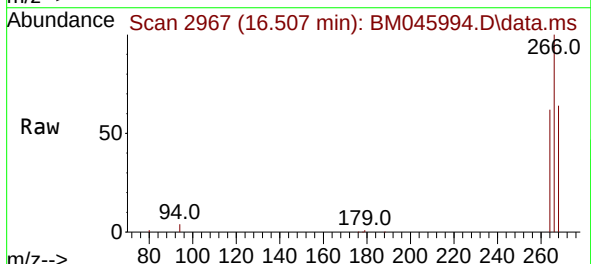
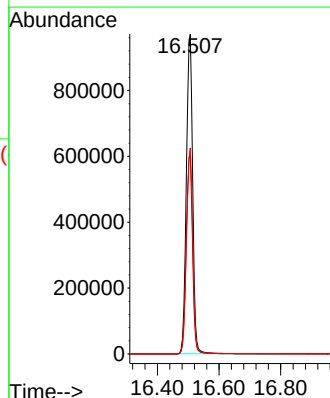
Tgt Ion:266 Resp: 1374405

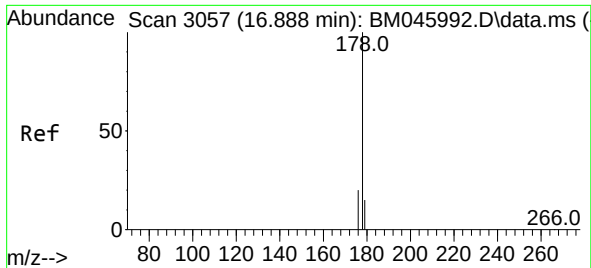
Ion Ratio Lower Upper

266 100

264 62.9 47.9 71.9

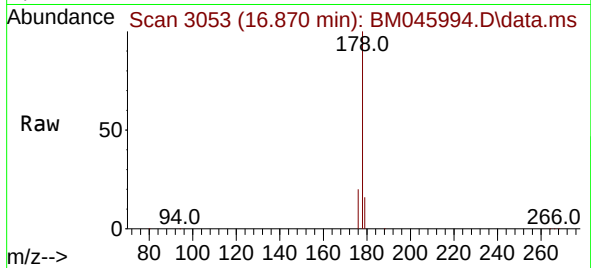
268 63.9 50.9 76.3





#15
Phenanthrene
Concen: 56.754 ng/ul m
RT: 16.870 min Scan# 3053
Delta R.T. -0.018 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

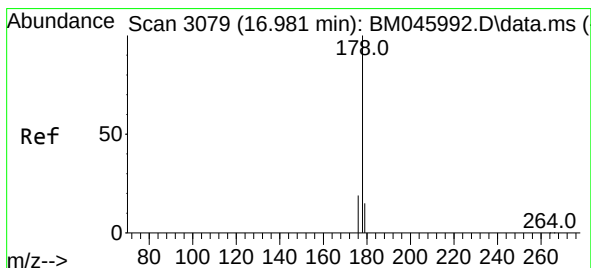
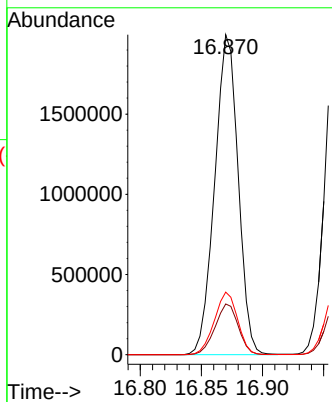
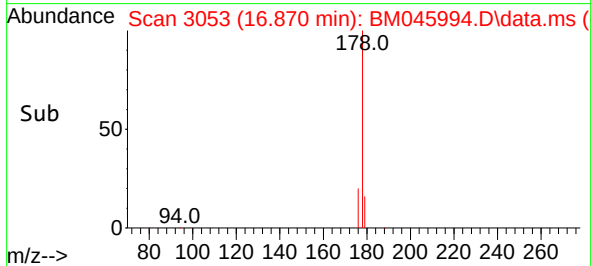
Instrument :
BNA_M
ClientSampleId :
A4DG2



Tgt Ion:178 Resp: 266265
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 19.5 15.6 23.4

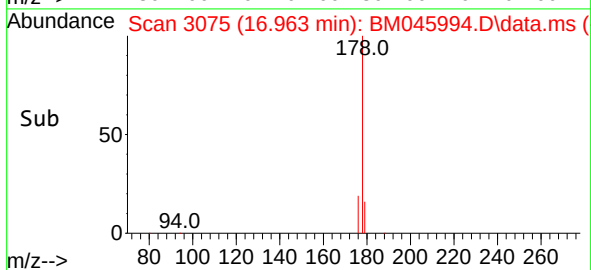
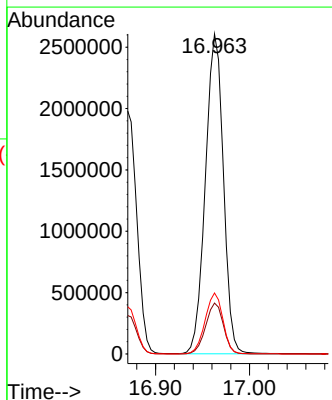
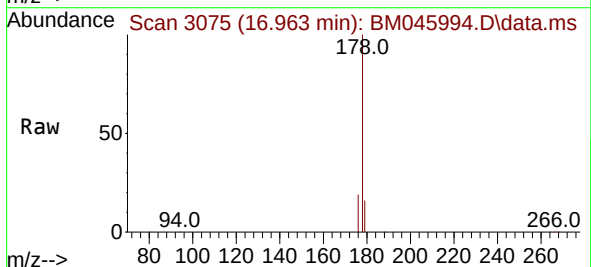
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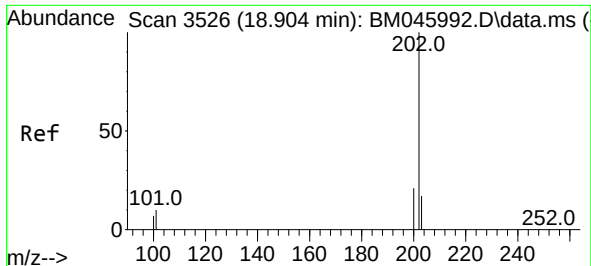
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#16
Anthracene
Concen: 86.563 ng/ul m
RT: 16.963 min Scan# 3075
Delta R.T. -0.018 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

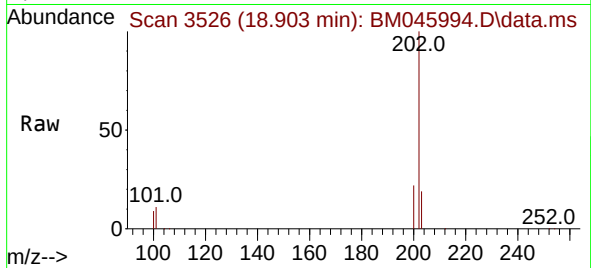
Tgt Ion:178 Resp: 3463919
Ion Ratio Lower Upper
178 100
179 15.9 13.1 19.7
176 19.0 15.5 23.3





#19
Fluoranthene
Concen: 162.099 ng/u1
RT: 18.903 min Scan# 3526
Delta R.T. -0.001 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

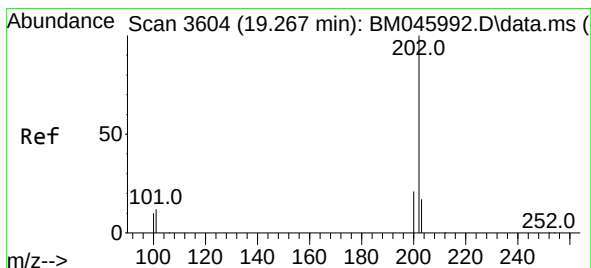
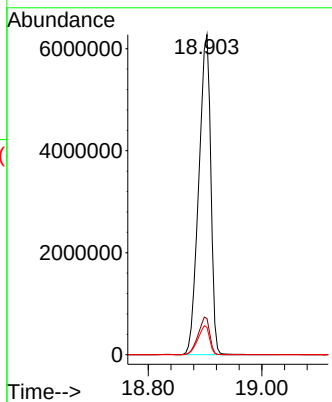
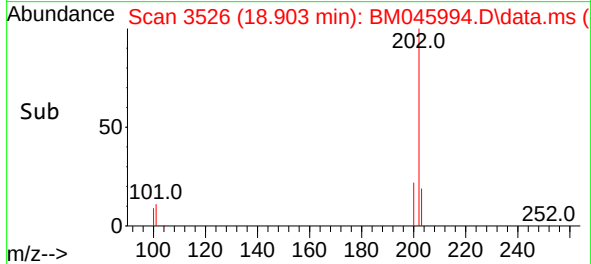
Instrument :
BNA_M
ClientSampleId :
A4DG2



Tgt Ion:202 Resp: 916830
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.6
100 8.5 7.0 10.6

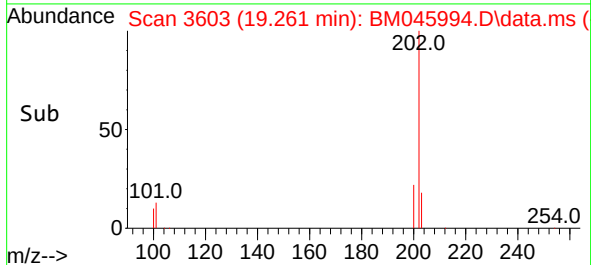
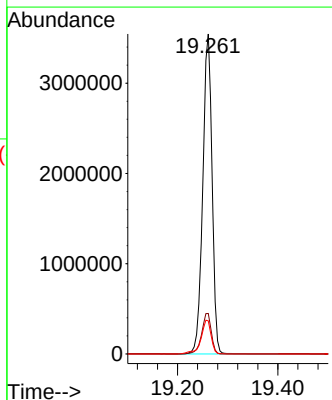
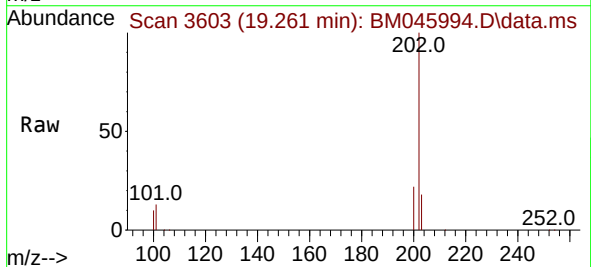
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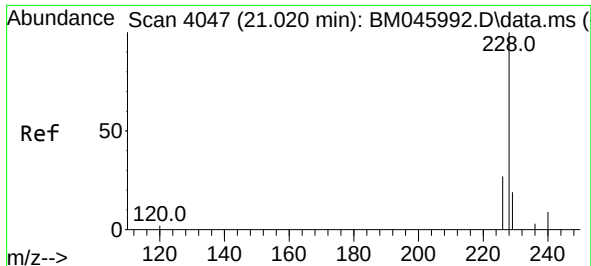
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#20
Pyrene
Concen: 77.282 ng/u1
RT: 19.261 min Scan# 3603
Delta R.T. -0.006 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

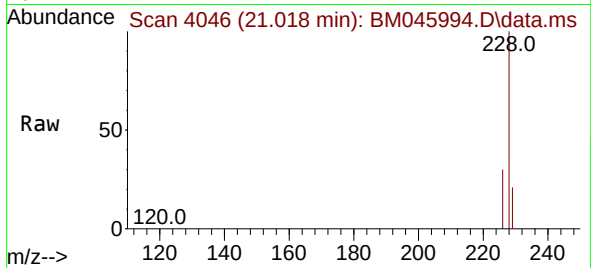
Tgt Ion:202 Resp: 4559713
Ion Ratio Lower Upper
202 100
101 12.7 10.6 16.0
100 10.3 9.1 13.7





#21
Benzo(a)anthracene
Concen: 119.670 ng/u1
RT: 21.018 min Scan# 4047
Delta R.T. -0.002 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

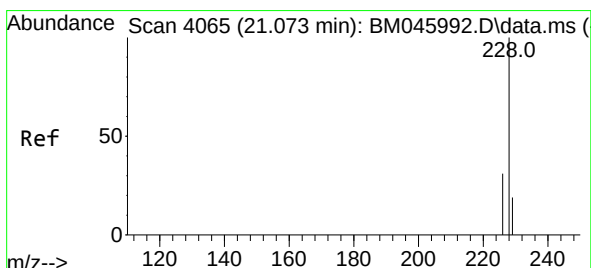
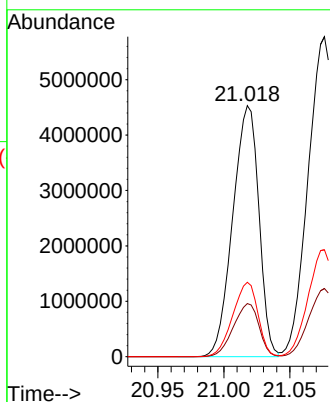
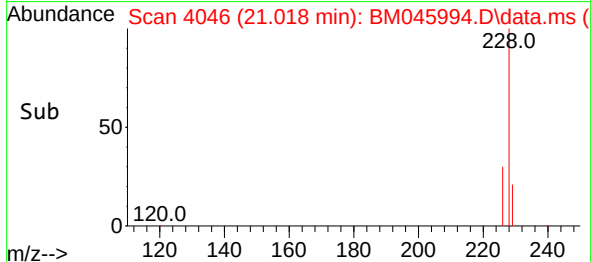
Instrument :
BNA_M
ClientSampleId :
A4DG2



Tgt Ion:228 Resp: 623055
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 29.7 22.0 33.0

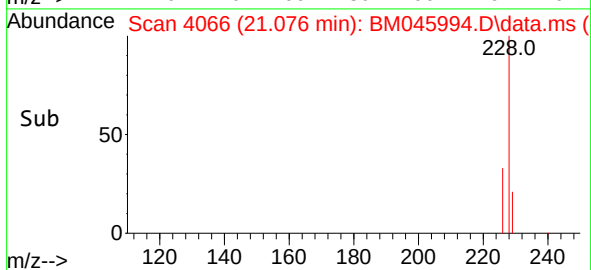
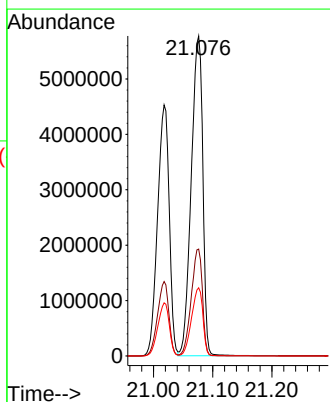
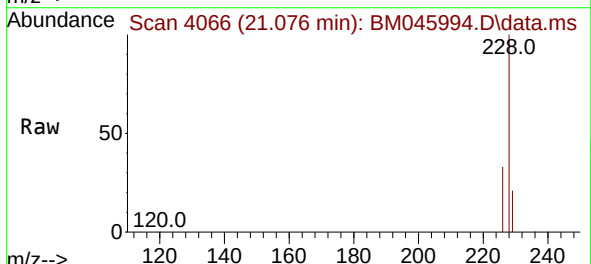
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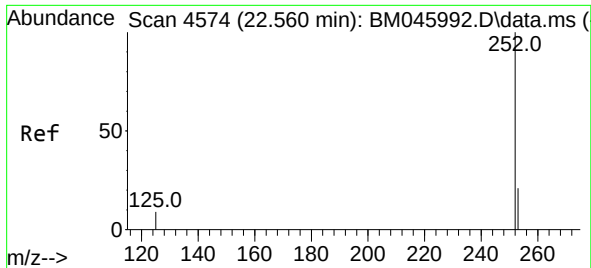
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#22
Chrysene
Concen: 137.999 ng/u1
RT: 21.076 min Scan# 4066
Delta R.T. 0.003 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

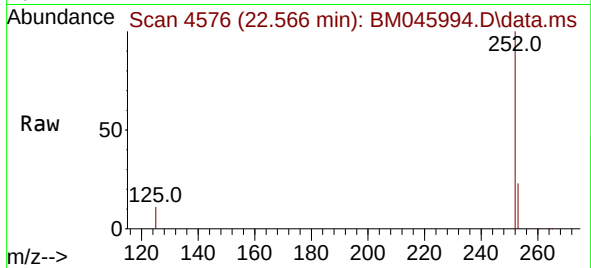
Tgt Ion:228 Resp: 7821926
Ion Ratio Lower Upper
228 100
226 33.4 24.5 36.7
229 21.3 16.2 24.2





#25
Benzo(k)fluoranthene
Concen: 163.613 ng/u1
RT: 22.566 min Scan# 4574
Delta R.T. 0.006 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02

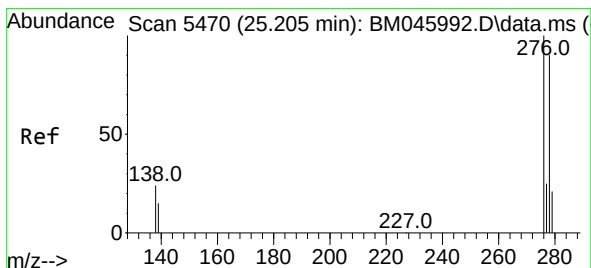
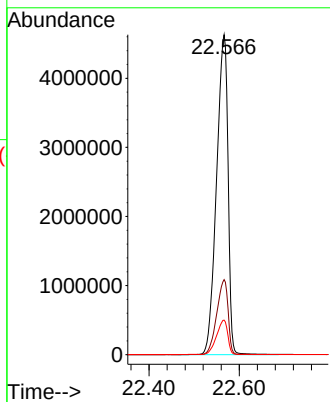
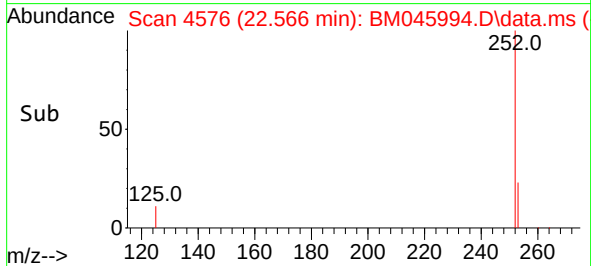
Instrument :
BNA_M
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A4DG2



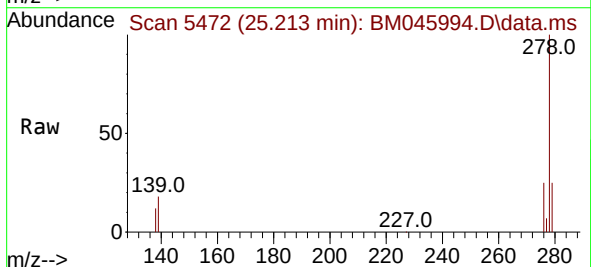
Tgt Ion:252 Resp: 816168
Ion Ratio Lower Upper
252 100
253 23.4 25.0 37.6
125 10.8 14.2 21.2

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



#28
Dibenzo(a,h)anthracene
Concen: 100.026 ng/u1
RT: 25.213 min Scan# 5472
Delta R.T. 0.007 min
Lab File: BM045994.D
Acq: 12 Jun 2024 12:02



Tgt Ion:278 Resp: 4667637
Ion Ratio Lower Upper
278 100
139 17.6 16.6 25.0
279 24.6 24.6 37.0

