

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Quant Time: Jun 13 00:07:33 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)

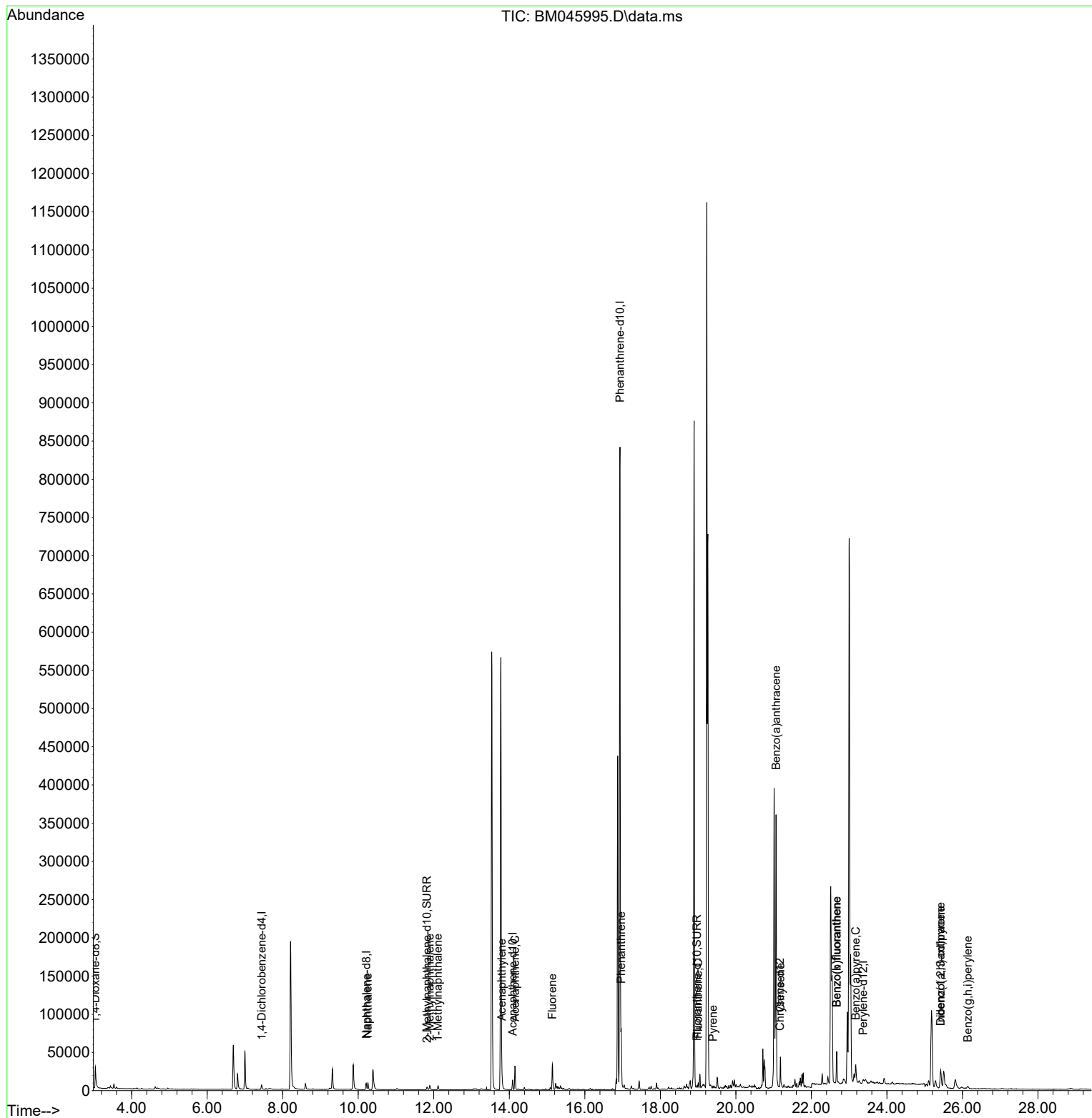
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.442	152	3135	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.211	136	11128	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.090	164	6724	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.930	188	948806	0.400	ng/ul	0.08
17) Chrysene-d12	21.169	240	159	0.400	ng/ul	# 0.13
23) Perylene-d12	23.370	264	1835	0.400	ng/ul	# 0.23
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	18215	5.101	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.822	152	5198	0.325	ng/ul	-0.01
18) Fluoranthene-d10	18.970	212	189	0.397	ng/ul	0.09
Target Compounds						Qvalue
5) Naphthalene	10.255	128	12732	0.438	ng/ul	99
7) 2-Methylnaphthalene	11.893	142	4551	0.245	ng/ul	99
8) 1-Methylnaphthalene	12.113	142	3939	0.195	ng/ul	98
10) Acenaphthylene	13.804	152	15909	0.520	ng/ul	99
11) Acenaphthene	14.150	153	17654	0.786	ng/ul	98
12) Fluorene	15.140	166	21191	0.844	ng/ul	99
15) Phenanthrene	16.964	178	73199	0.027	ng/ul	98
19) Fluoranthene	19.002	202	1241	1.957	ng/ul#	60
20) Pyrene	19.397	202	362	0.547	ng/ul#	54
21) Benzo(a)anthracene	21.064	228	240500	412.076	ng/ul	95
22) Chrysene	21.178	228	28546	44.927	ng/ul#	60
24) Benzo(b)fluoranthene	22.668	252	50420	8.284	ng/ul	97
25) Benzo(k)fluoranthene	22.668	252	50163	7.500	ng/ul	97
26) Benzo(a)pyrene	23.174	252	25740	4.253	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.423	276	7938	1.014	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.423	278	30697	4.906	ng/ul	96
29) Benzo(g,h,i)perylene	26.144	276	4558	0.675	ng/ul#	43

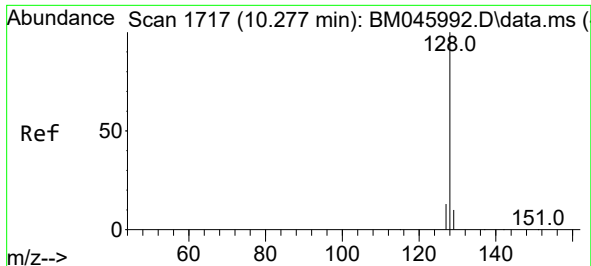
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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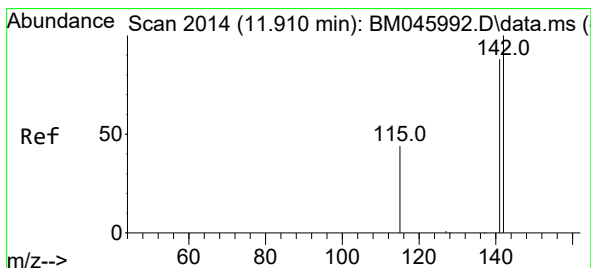
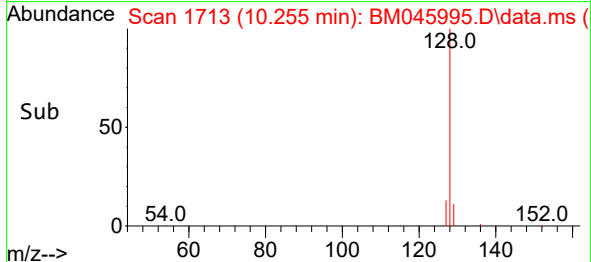
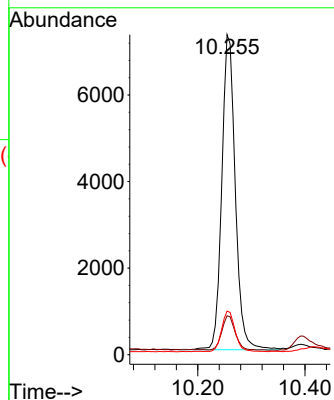
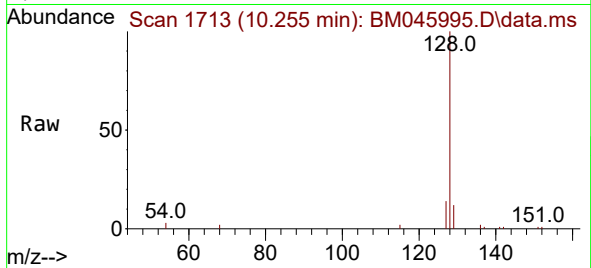




#5
Naphthalene
Concen: 0.438 ng/ul
RT: 10.255 min Scan# 1713
Delta R.T. -0.022 min
Lab File: BM045995.D
Acq: 12 Jun 2024 13:05

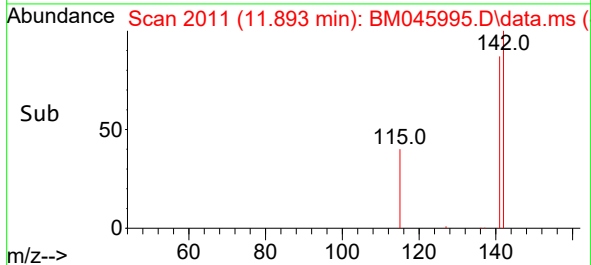
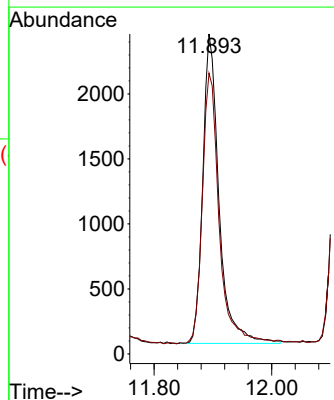
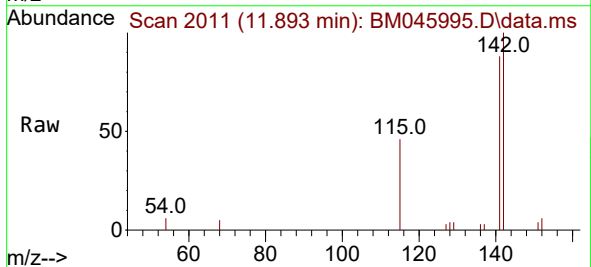
Instrument :
BNA_M
ClientSampleId :
A4C18

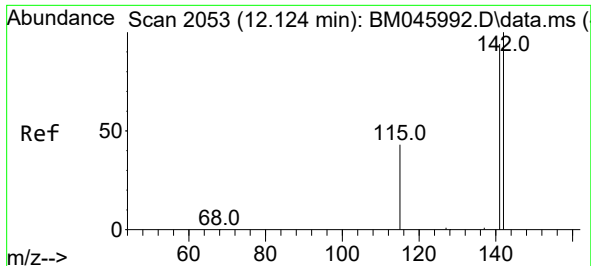
Tgt Ion:128 Resp: 12732
Ion Ratio Lower Upper
128 100
129 12.2 9.4 14.0
127 13.7 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.245 ng/ul
RT: 11.893 min Scan# 2011
Delta R.T. -0.016 min
Lab File: BM045995.D
Acq: 12 Jun 2024 13:05

Tgt Ion:142 Resp: 4551
Ion Ratio Lower Upper
142 100
141 91.6 72.2 108.4

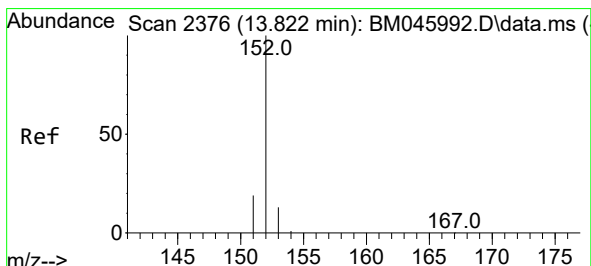
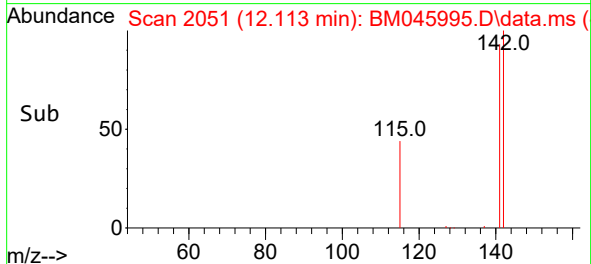
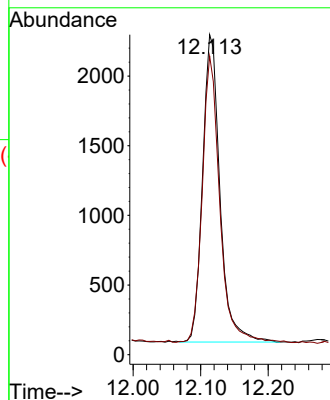
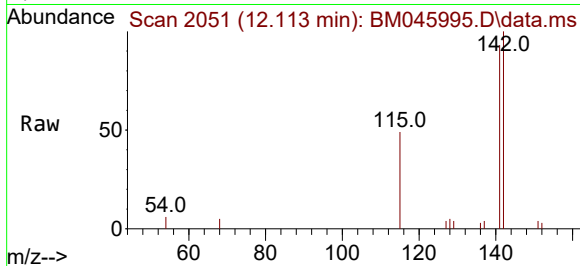




#8
1-Methylnaphthalene
Concen: 0.195 ng/ul
RT: 12.113 min Scan# 2051
Delta R.T. -0.011 min
Lab File: BM045995.D
Acq: 12 Jun 2024 13:05

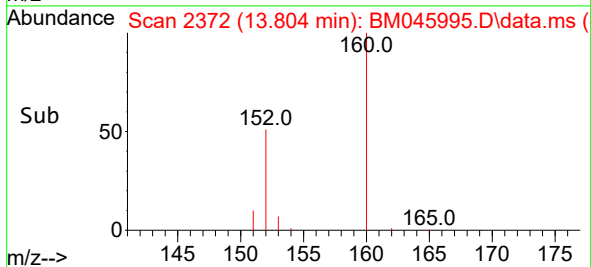
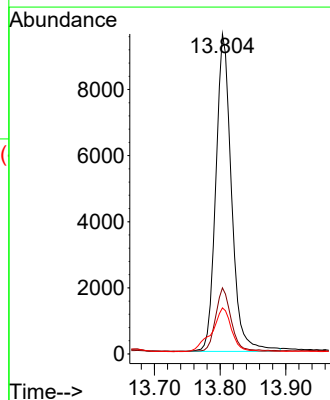
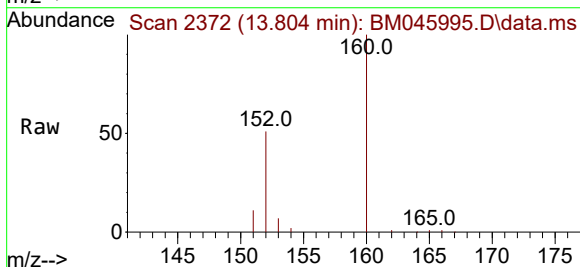
Instrument :
BNA_M
ClientSampleId :
A4C18

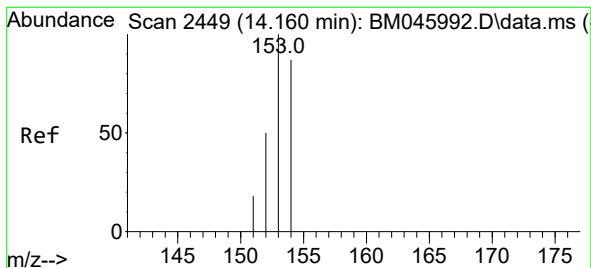
Tgt Ion:142 Resp: 3939
Ion Ratio Lower Upper
142 100
141 93.8 73.5 110.3



#10
Acenaphthylene
Concen: 0.520 ng/ul
RT: 13.804 min Scan# 2372
Delta R.T. -0.018 min
Lab File: BM045995.D
Acq: 12 Jun 2024 13:05

Tgt Ion:152 Resp: 15909
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 14.4 11.1 16.7





#11

Acenaphthene

Concen: 0.786 ng/ul

RT: 14.150 min Scan# 2449

Delta R.T. -0.009 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

Instrument :

BNA_M

ClientSampleId :

A4C18

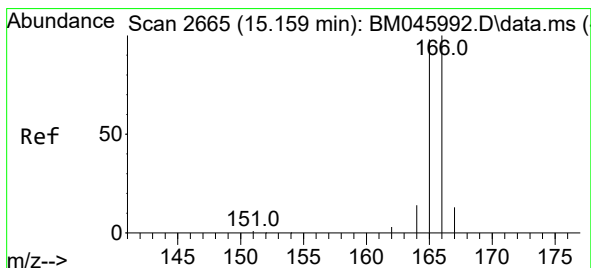
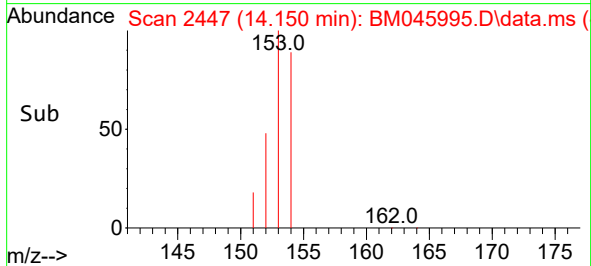
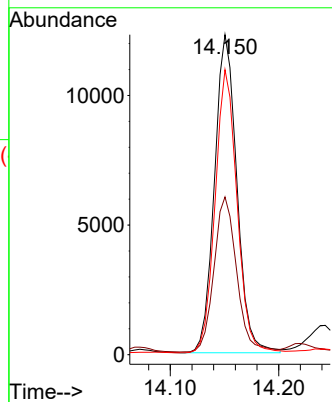
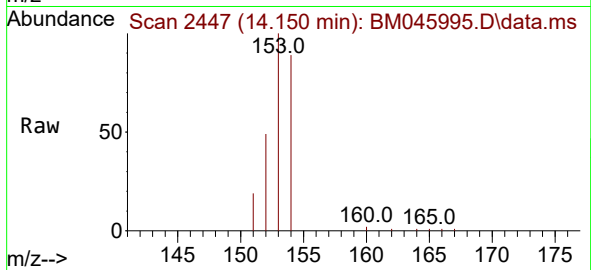
Tgt Ion:153 Resp: 17654

Ion Ratio Lower Upper

153 100

152 49.3 39.0 58.4

154 89.0 69.4 104.2



#12

Fluorene

Concen: 0.844 ng/ul

RT: 15.140 min Scan# 2661

Delta R.T. -0.018 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

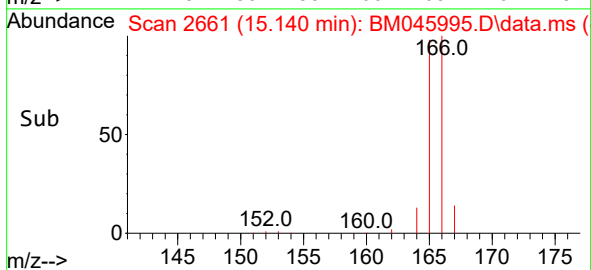
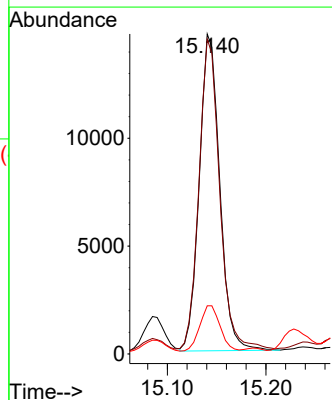
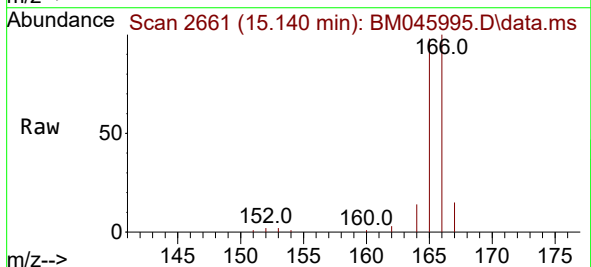
Tgt Ion:166 Resp: 21191

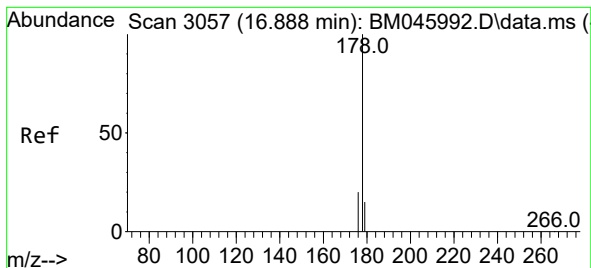
Ion Ratio Lower Upper

166 100

165 98.4 79.7 119.5

167 15.0 11.3 16.9





#15

Phenanthrene

Concen: 0.027 ng/ul

RT: 16.964 min Scan# 3057

Delta R.T. 0.076 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

Instrument :

BNA_M

ClientSampleId :

A4C18

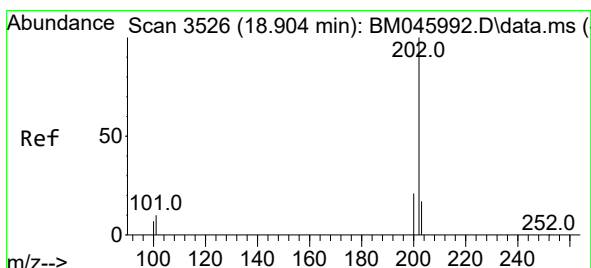
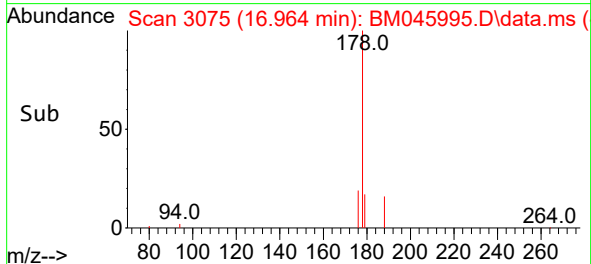
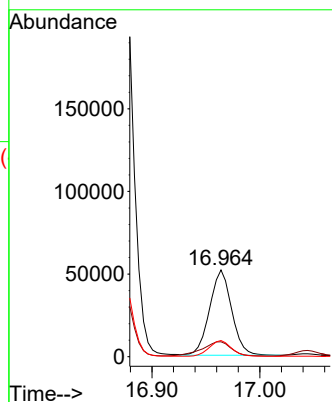
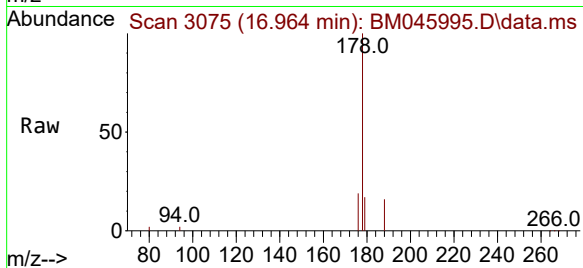
Tgt Ion:178 Resp: 73199

Ion Ratio Lower Upper

178 100

179 17.2 12.7 19.1

176 18.7 15.6 23.4



#19

Fluoranthene

Concen: 1.957 ng/ul

RT: 19.002 min Scan# 3547

Delta R.T. 0.098 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

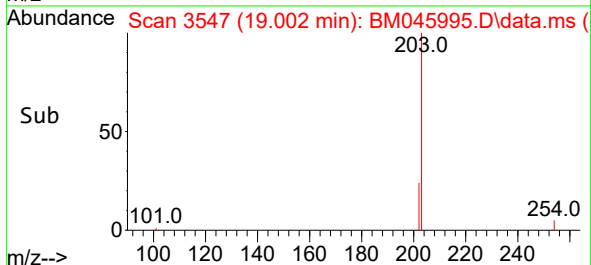
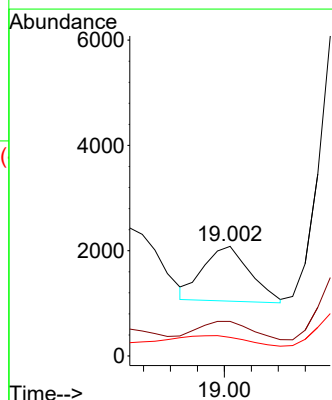
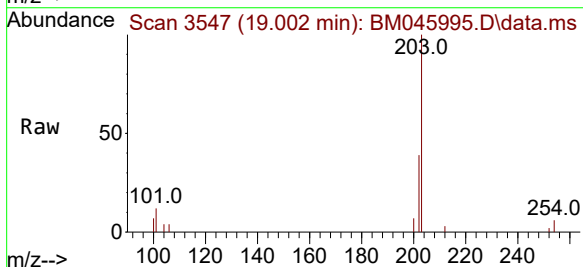
Tgt Ion:202 Resp: 1241

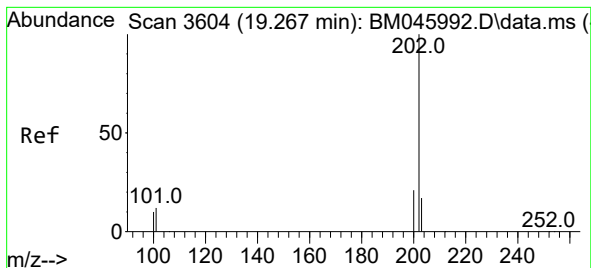
Ion Ratio Lower Upper

202 100

101 31.6 9.0 13.6#

100 16.9 7.0 10.6#





#20

Pyrene

Concen: 0.547 ng/ul

RT: 19.397 min Scan# 3

Delta R.T. 0.130 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

Instrument :

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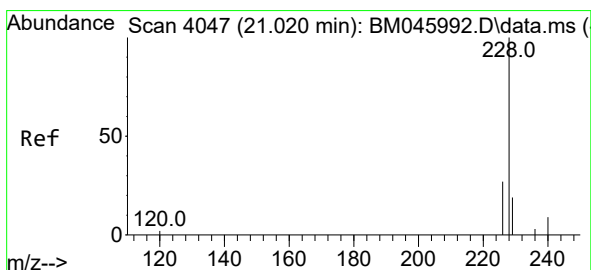
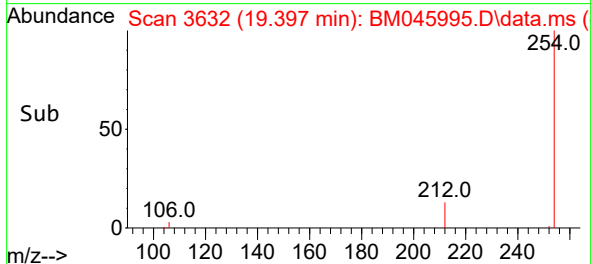
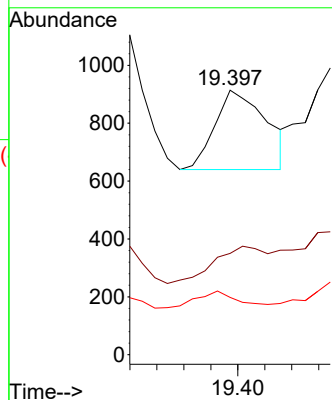
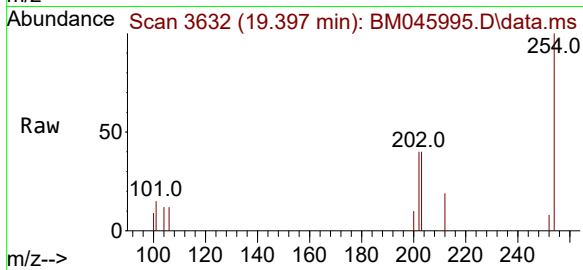
Tgt Ion:202 Resp: 362

Ion Ratio Lower Upper

202 100

101 38.3 10.6 16.0#

100 21.7 9.1 13.7#



#21

Benzo(a)anthracene

Concen: 412.076 ng/ul

RT: 21.064 min Scan# 4062

Delta R.T. 0.044 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

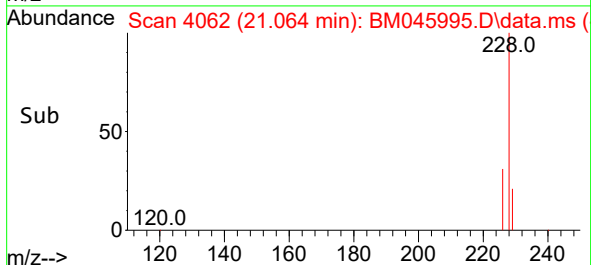
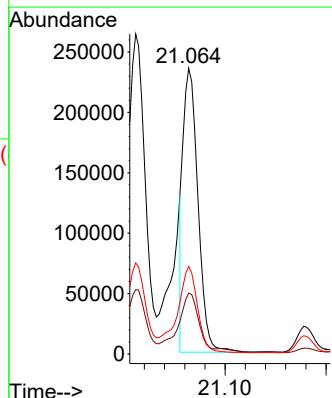
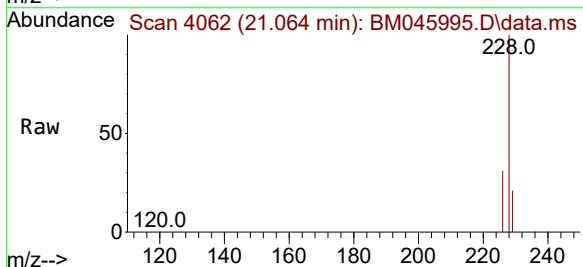
Tgt Ion:228 Resp: 240500

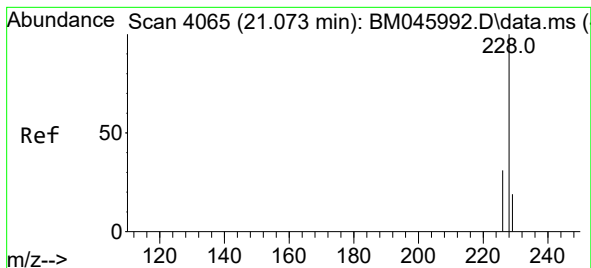
Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

226 30.7 22.0 33.0





#22

Chrysene

Concen: 44.927 ng/ul

RT: 21.178 min Scan# 4101

Delta R.T. 0.105 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

Instrument :

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ClientSampleId :

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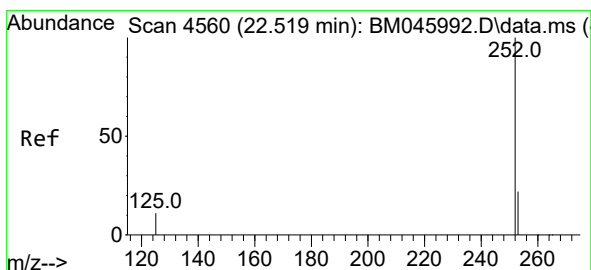
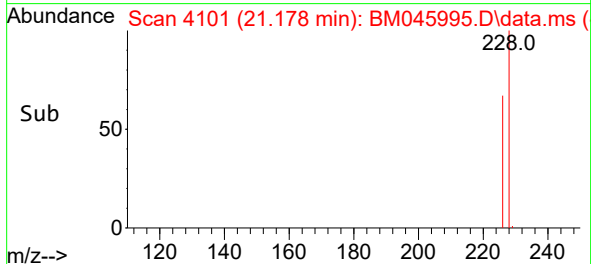
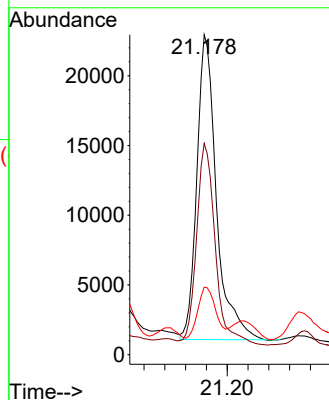
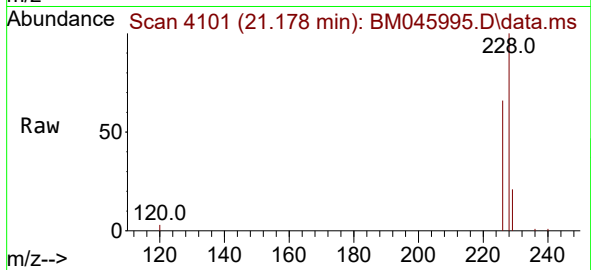
Tgt Ion:228 Resp: 28546

Ion Ratio Lower Upper

228 100

226 66.0 24.5 36.7#

229 21.1 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 8.284 ng/ul

RT: 22.668 min Scan# 4611

Delta R.T. 0.149 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

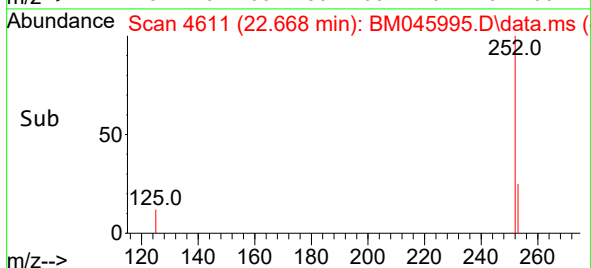
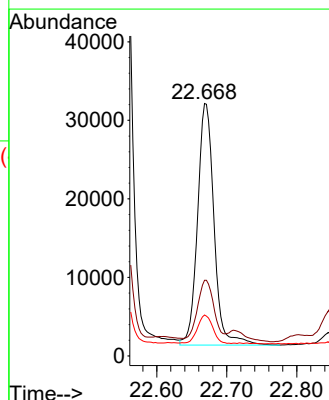
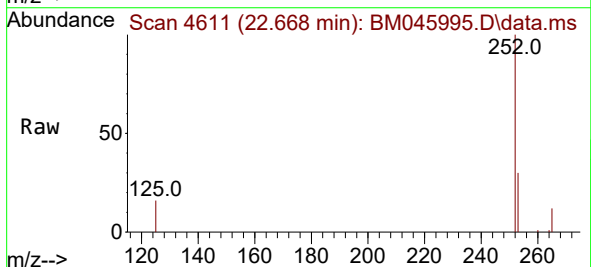
Tgt Ion:252 Resp: 50420

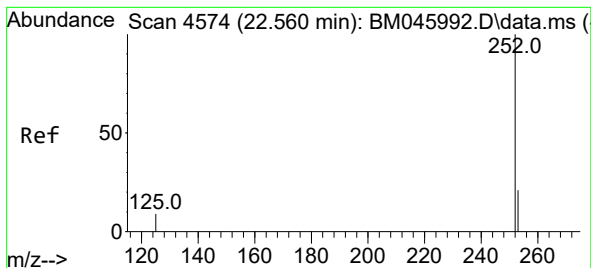
Ion Ratio Lower Upper

252 100

253 30.0 0.0 63.6

125 16.2 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 7.500 ng/ul

RT: 22.668 min Scan# 4

Delta R.T. 0.108 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

Instrument :

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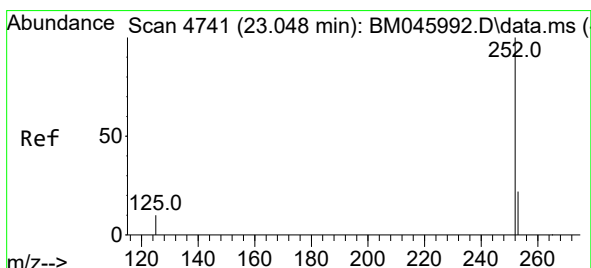
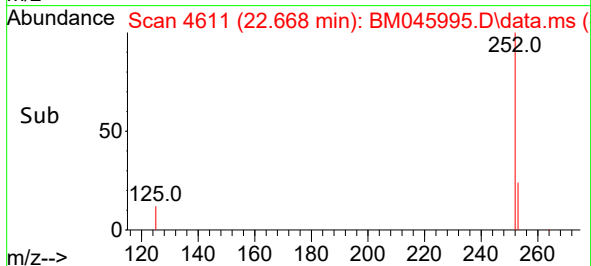
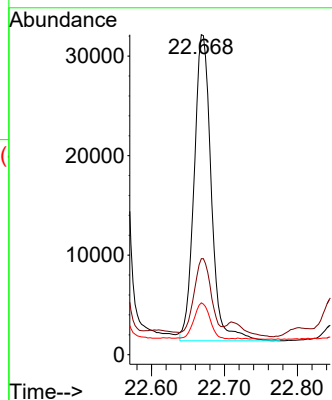
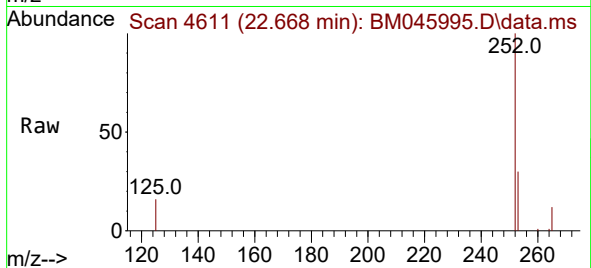
Tgt Ion:252 Resp: 50163

Ion Ratio Lower Upper

252 100

253 30.0 25.0 37.6

125 16.2 14.2 21.2



#26

Benzo(a)pyrene

Concen: 4.253 ng/ul

RT: 23.174 min Scan# 4784

Delta R.T. 0.126 min

Lab File: BM045995.D

Acq: 12 Jun 2024 13:05

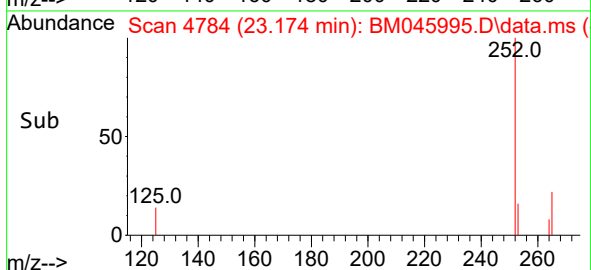
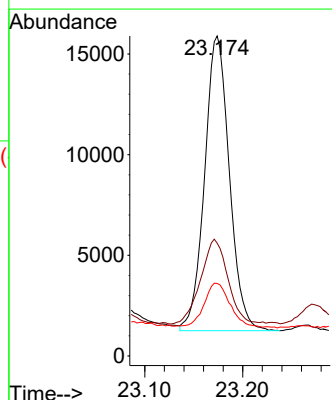
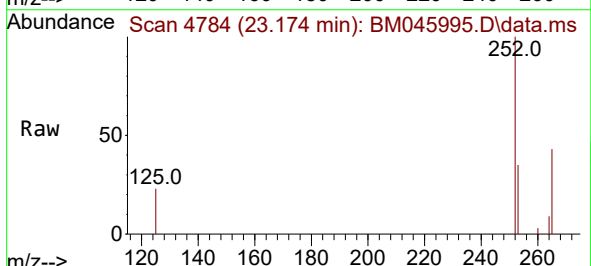
Tgt Ion:252 Resp: 25740

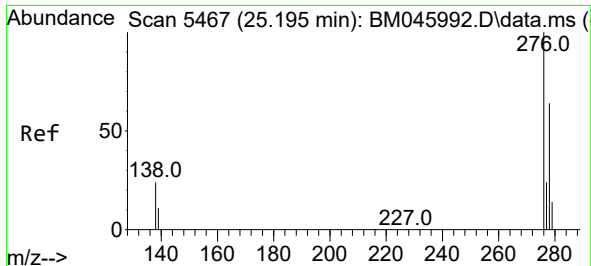
Ion Ratio Lower Upper

252 100

253 35.3 28.8 43.2

125 22.6 17.3 25.9

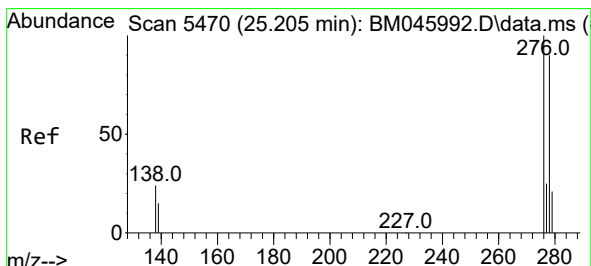
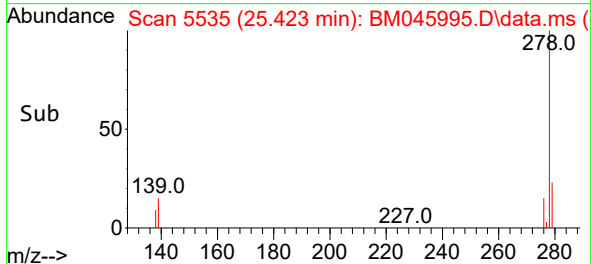
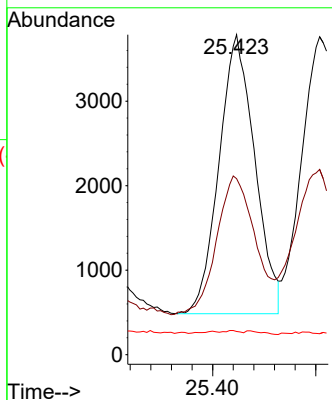
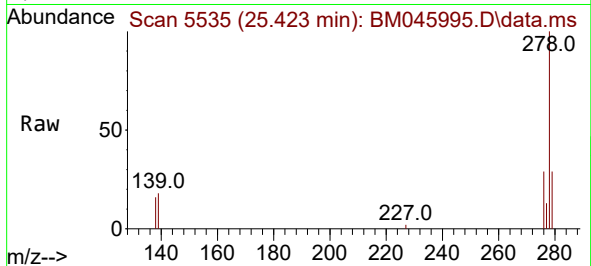




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.014 ng/ul
 RT: 25.423 min Scan# 51
 Delta R.T. 0.228 min
 Lab File: BM045995.D
 Acq: 12 Jun 2024 13:05

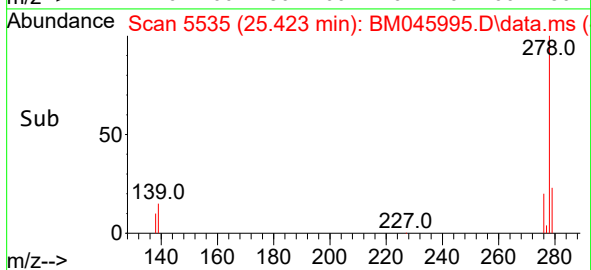
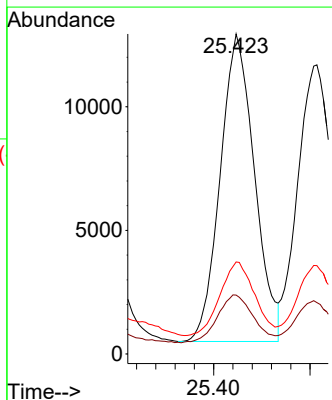
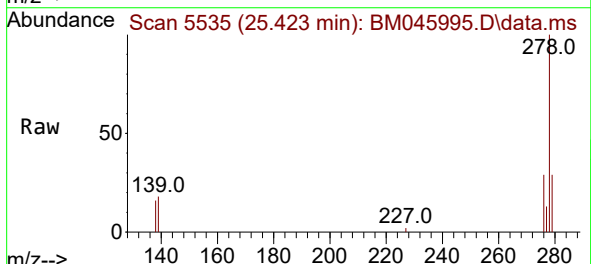
Instrument :
 BNA_M
 ClientSampleId :
 A4C18

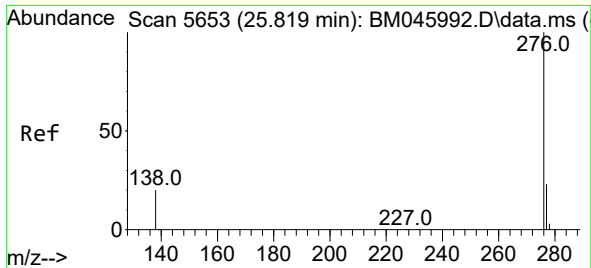
Tgt Ion:276 Resp: 7938
 Ion Ratio Lower Upper
 276 100
 138 53.8 20.7 31.1#
 227 0.4 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 4.906 ng/ul
 RT: 25.423 min Scan# 5535
 Delta R.T. 0.218 min
 Lab File: BM045995.D
 Acq: 12 Jun 2024 13:05

Tgt Ion:278 Resp: 30697
 Ion Ratio Lower Upper
 278 100
 139 18.4 16.6 25.0
 279 28.8 24.6 37.0





#29
 Benzo(g,h,i)perylene
 Concen: 0.675 ng/ul
 RT: 26.144 min Scan# 51
 Delta R.T. 0.325 min
 Lab File: BM045995.D
 Acq: 12 Jun 2024 13:05

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Tgt Ion:276 Resp: 4558
 Ion Ratio Lower Upper
 276 100
 138 44.7 21.0 31.4#
 277 65.6 20.5 30.7#

