

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045910.D
 Acq On : 08 Jun 2024 11:26
 Operator : MA/JU
 Sample : P2640-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C15

Quant Time: Jun 10 01:27:36 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 : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

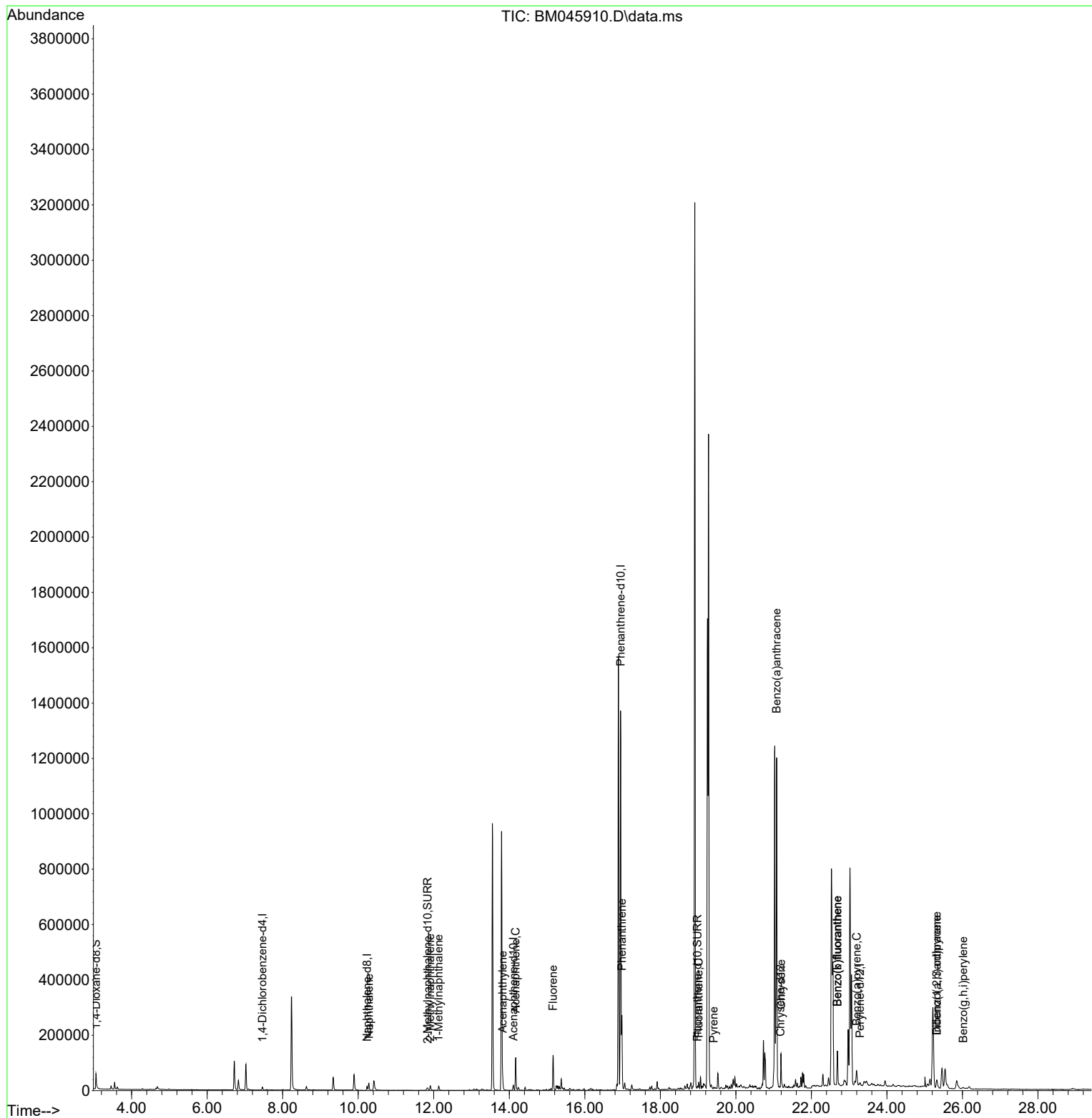
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.464	152	5285	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136	18173	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	10098	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.947	188	1476712	0.400	ng/ul	0.08
17) Chrysene-d12	21.181	240	168	0.400	ng/ul	# 0.13
23) Perylene-d12	23.285	264	3443	0.400	ng/ul	# 0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	32632	5.421	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	8793	0.336	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	373	0.741	ng/ul	0.09
Target Compounds						Qvalue
5) Naphthalene	10.282	128	34804	0.733	ng/ul	100
7) 2-Methylnaphthalene	11.910	142	12810	0.423	ng/ul	98
8) 1-Methylnaphthalene	12.130	142	11177	0.339	ng/ul	99
10) Acenaphthylene	13.827	152	37328	0.813	ng/ul	99
11) Acenaphthene	14.169	153	66945	1.984	ng/ul	99
12) Fluorene	15.159	166	75860	2.011	ng/ul	99
15) Phenanthrene	16.981	178	255933	0.062	ng/ul	98
19) Fluoranthene	19.016	202	4460	6.658	ng/ul#	73
20) Pyrene	19.416	202	1454	2.081	ng/ul#	60
21) Benzo(a)anthracene	21.082	228	796197	1291.132	ng/ul	95
22) Chrysene	21.195	228	90264	134.452	ng/ul#	61
24) Benzo(b)fluoranthene	22.689	252	147280	12.897	ng/ul	96
25) Benzo(k)fluoranthene	22.689	252	147280	11.736	ng/ul	96
26) Benzo(a)pyrene	23.197	252	56333	4.960	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.319	276	11331	0.772	ng/ul#	53
28) Dibenzo(a,h)anthracene	25.323	278	42226	3.597	ng/ul	94
29) Benzo(g,h,i)perylene	26.024	276	4241	0.335	ng/ul#	1

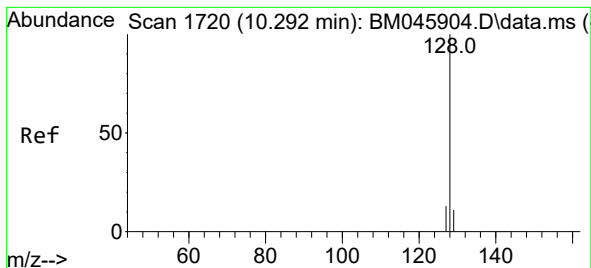
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.733 ng/ul

RT: 10.282 min Scan# 1718

Delta R.T. -0.021 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

Instrument :

BNA_M

ClientSampleId :

A4C15

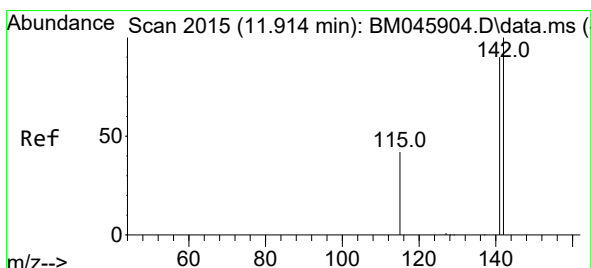
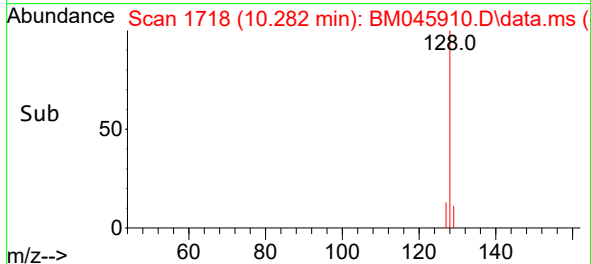
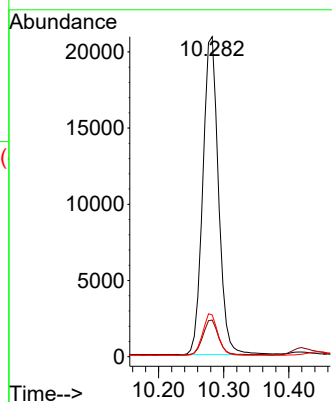
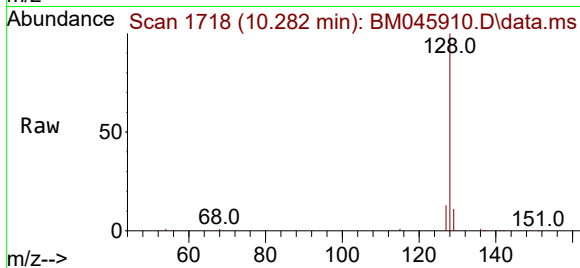
Tgt Ion:128 Resp: 34804

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

127 13.1 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.423 ng/ul

RT: 11.910 min Scan# 2014

Delta R.T. -0.010 min

Lab File: BM045910.D

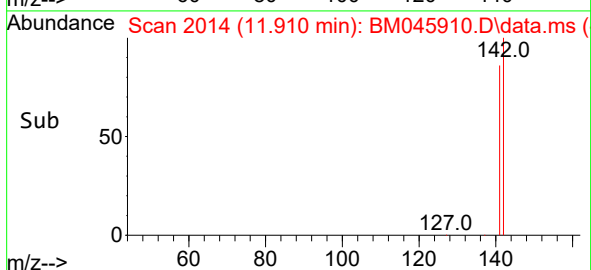
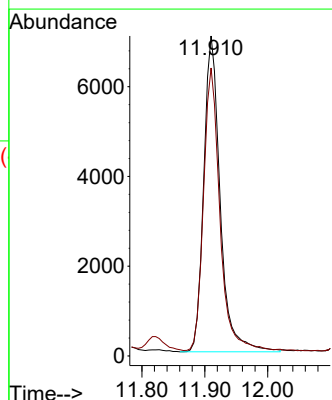
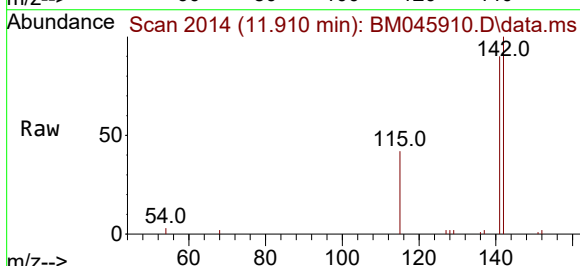
Acq: 08 Jun 2024 11:26

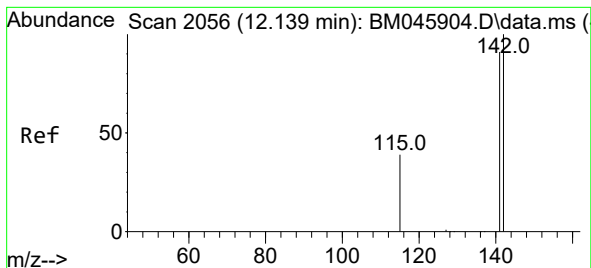
Tgt Ion:142 Resp: 12810

Ion Ratio Lower Upper

142 100

141 88.6 72.2 108.4





#8

1-Methylnaphthalene

Concen: 0.339 ng/ul

RT: 12.130 min Scan# 2056

Delta R.T. -0.015 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

Instrument :

BNA_M

ClientSampleId :

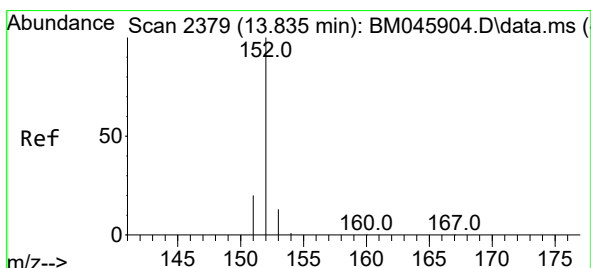
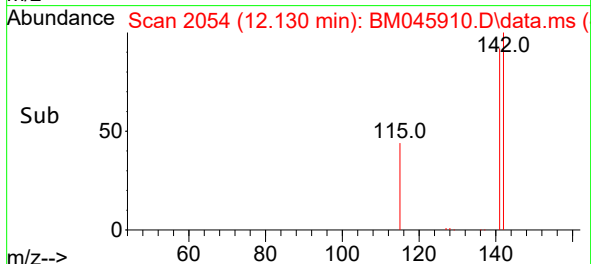
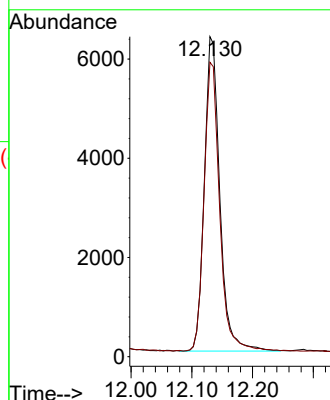
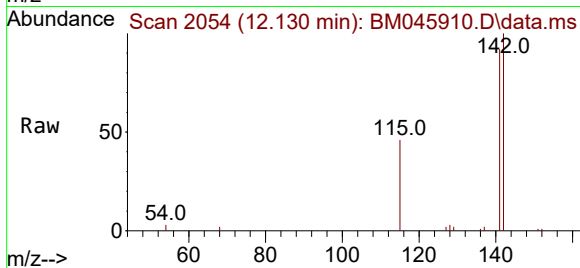
A4C15

Tgt Ion:142 Resp: 11177

Ion Ratio Lower Upper

142 100

141 92.7 73.5 110.3



#10

Acenaphthylene

Concen: 0.813 ng/ul

RT: 13.827 min Scan# 2377

Delta R.T. -0.013 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

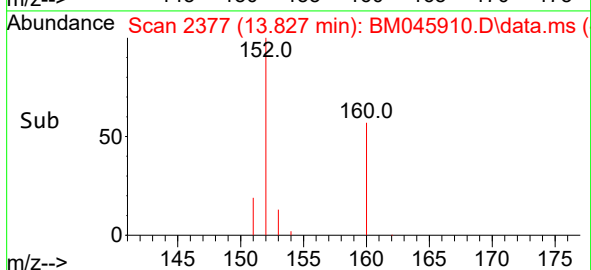
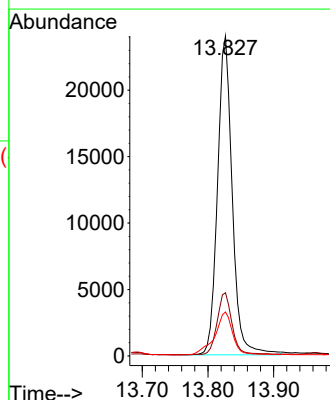
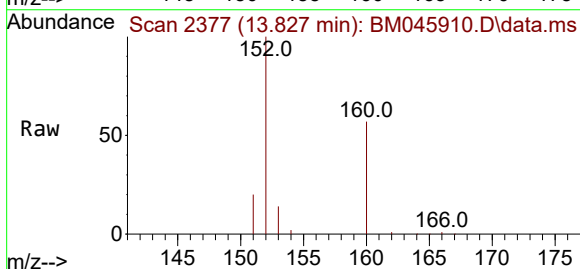
Tgt Ion:152 Resp: 37328

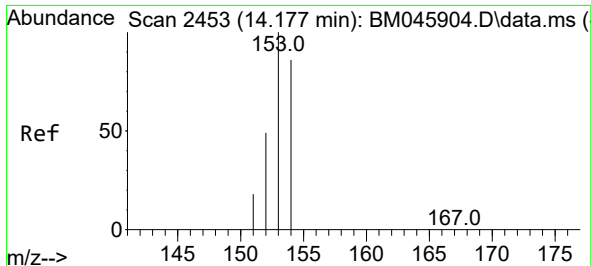
Ion Ratio Lower Upper

152 100

151 19.7 16.4 24.6

153 13.8 11.1 16.7

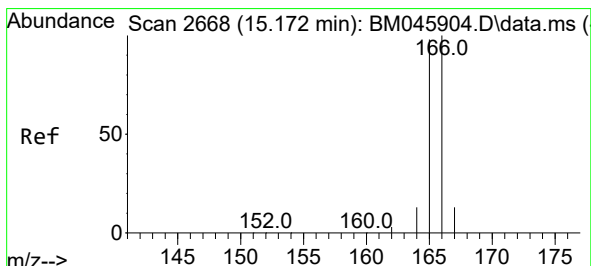
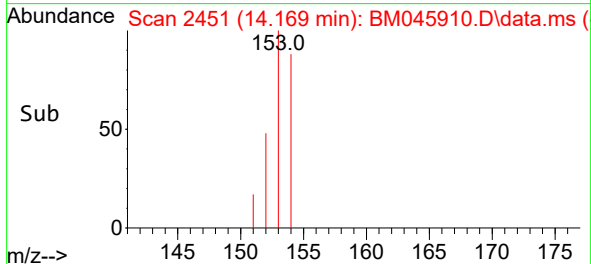
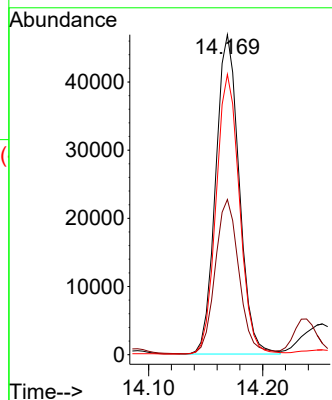
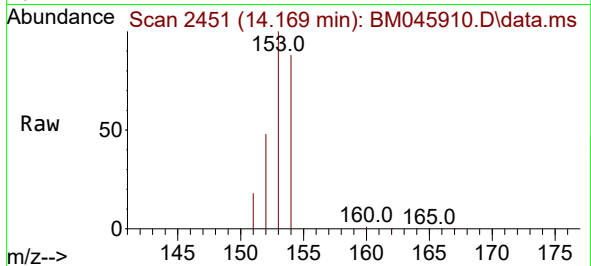




#11
Acenaphthene
Concen: 1.984 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045910.D
Acq: 08 Jun 2024 11:26

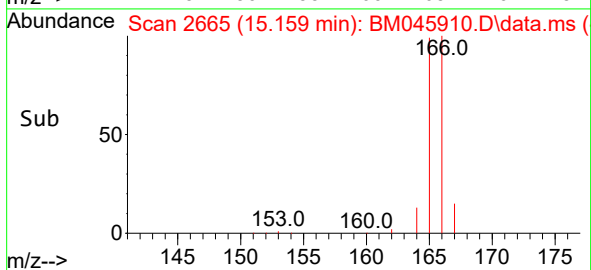
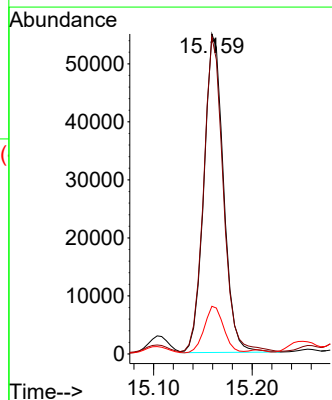
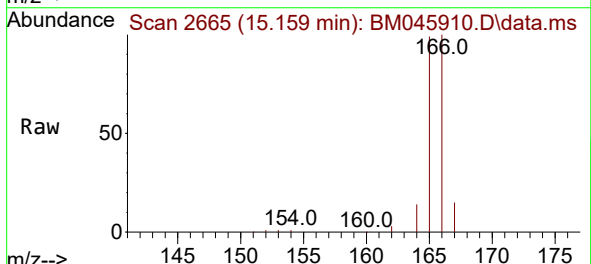
Instrument :
BNA_M
ClientSampleId :
A4C15

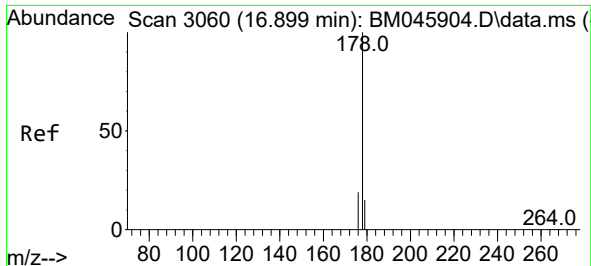
Tgt Ion:153 Resp: 66945
Ion Ratio Lower Upper
153 100
152 48.5 39.0 58.4
154 87.6 69.4 104.2



#12
Fluorene
Concen: 2.011 ng/ul
RT: 15.159 min Scan# 2665
Delta R.T. -0.017 min
Lab File: BM045910.D
Acq: 08 Jun 2024 11:26

Tgt Ion:166 Resp: 75860
Ion Ratio Lower Upper
166 100
165 99.1 79.7 119.5
167 14.9 11.3 16.9

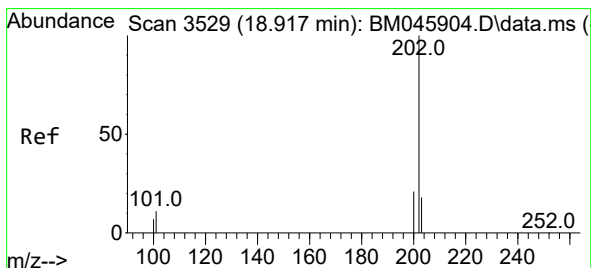
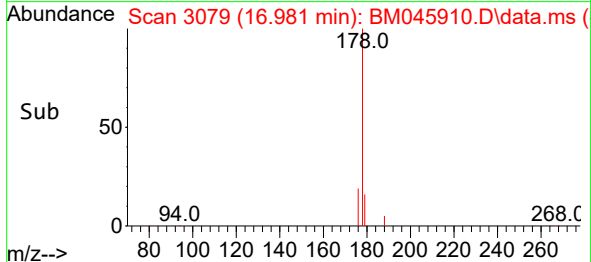
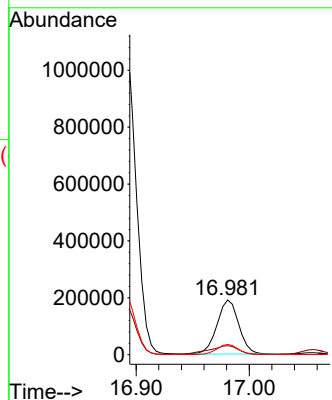
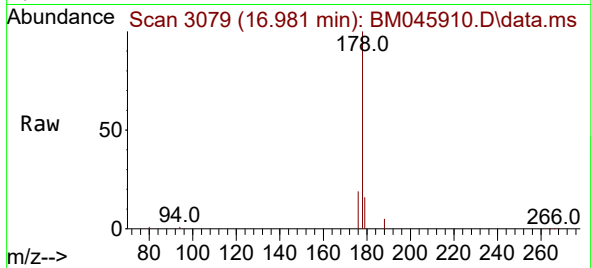




#15
Phenanthrene
Concen: 0.062 ng/ul
RT: 16.981 min Scan# 3060
Delta R.T. 0.077 min
Lab File: BM045910.D
Acq: 08 Jun 2024 11:26

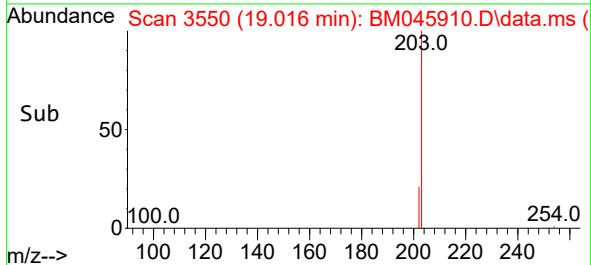
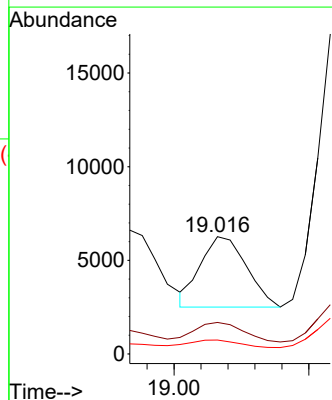
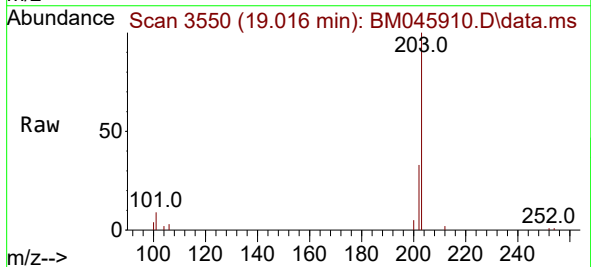
Instrument :
BNA_M
ClientSampleId :
A4C15

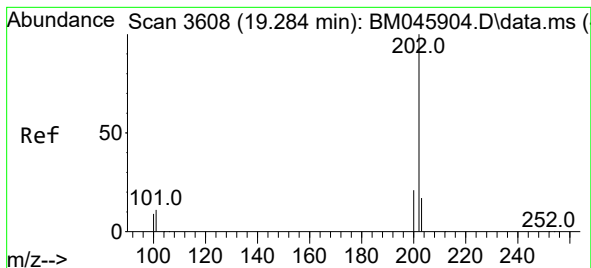
Tgt Ion:178 Resp: 255933
Ion Ratio Lower Upper
178 100
179 16.5 12.7 19.1
176 18.7 15.6 23.4



#19
Fluoranthene
Concen: 6.658 ng/ul
RT: 19.016 min Scan# 3550
Delta R.T. 0.094 min
Lab File: BM045910.D
Acq: 08 Jun 2024 11:26

Tgt Ion:202 Resp: 4460
Ion Ratio Lower Upper
202 100
101 26.8 9.0 13.6#
100 11.8 7.0 10.6#





#20

Pyrene

Concen: 2.081 ng/ul

RT: 19.416 min Scan# 3

Delta R.T. 0.131 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

Instrument :

BNA_M

ClientSampleId :

A4C15

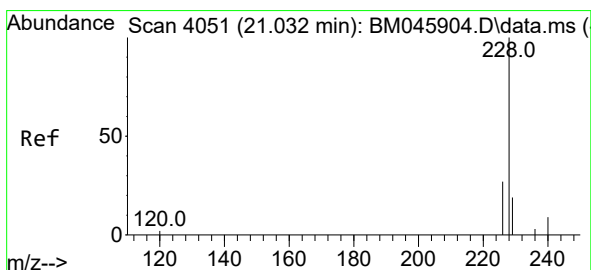
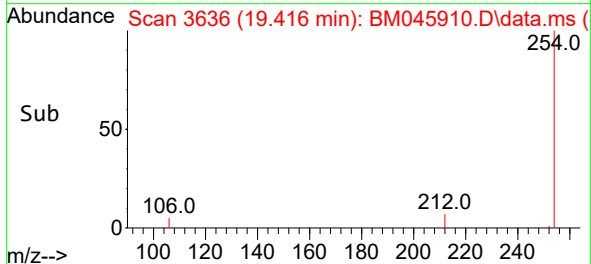
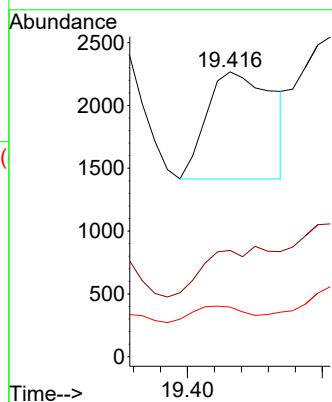
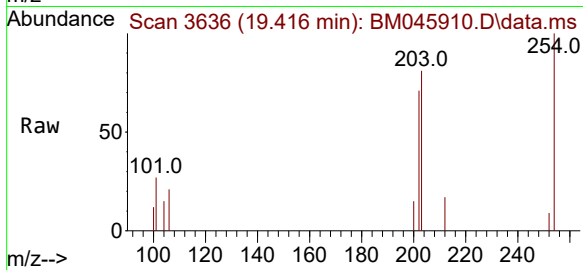
Tgt Ion:202 Resp: 1454

Ion Ratio Lower Upper

202 100

101 37.3 10.6 16.0#

100 17.4 9.1 13.7#



#21

Benzo(a)anthracene

Concen: 1291.132 ng/ul

RT: 21.082 min Scan# 4068

Delta R.T. 0.046 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

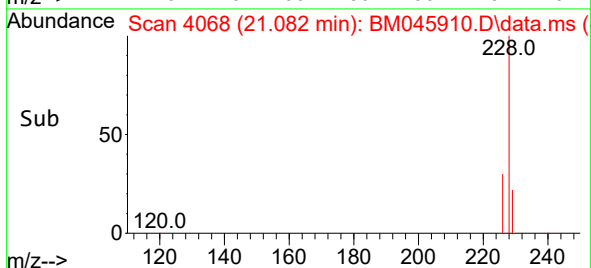
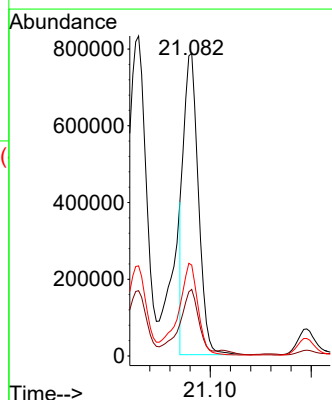
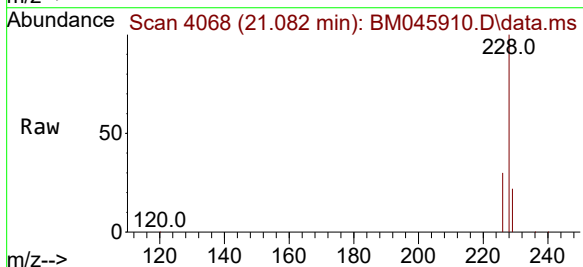
Tgt Ion:228 Resp: 796197

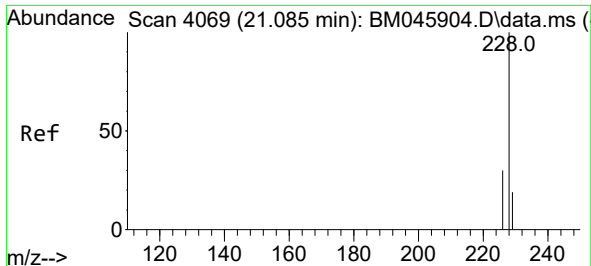
Ion Ratio Lower Upper

228 100

229 22.0 15.7 23.5

226 30.0 22.0 33.0





#22

Chrysene

Concen: 134.452 ng/ul

RT: 21.195 min Scan# 4107

Delta R.T. 0.108 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

Instrument :

BNA_M

ClientSampleId :

A4C15

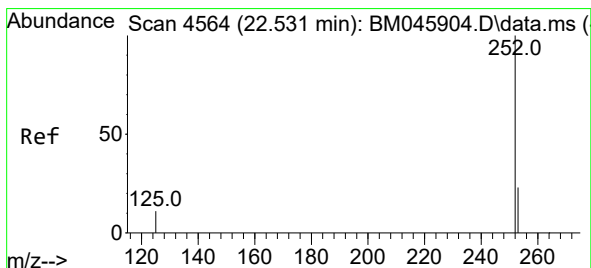
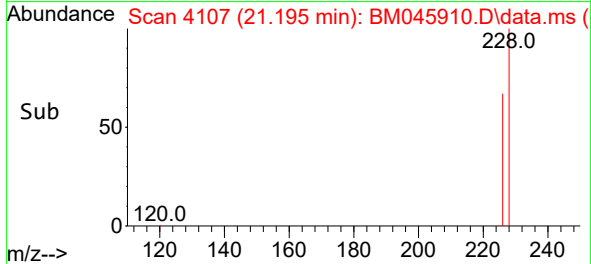
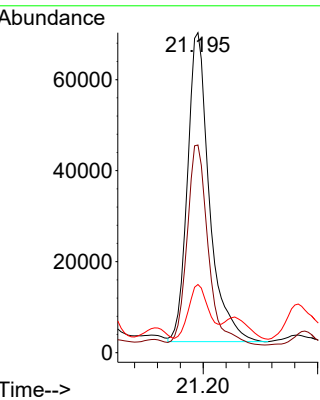
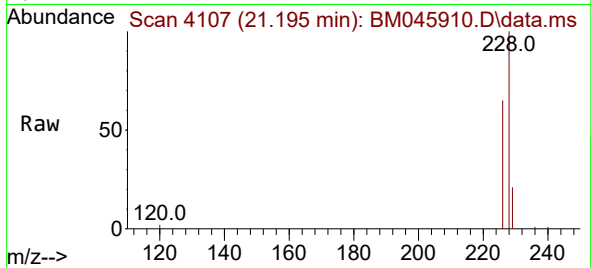
Tgt Ion:228 Resp: 90264

Ion Ratio Lower Upper

228 100

226 64.9 24.5 36.7#

229 21.3 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 12.897 ng/ul

RT: 22.689 min Scan# 4618

Delta R.T. 0.152 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

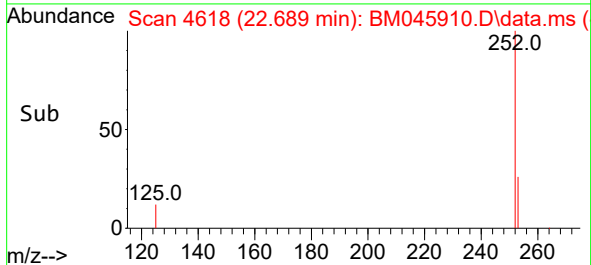
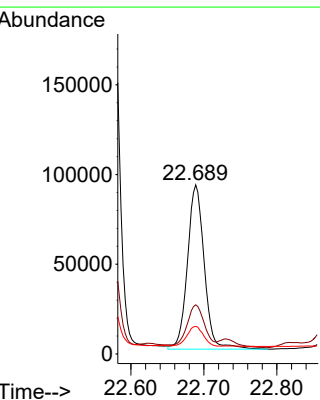
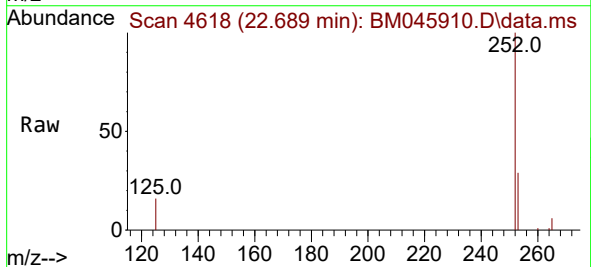
Tgt Ion:252 Resp: 147280

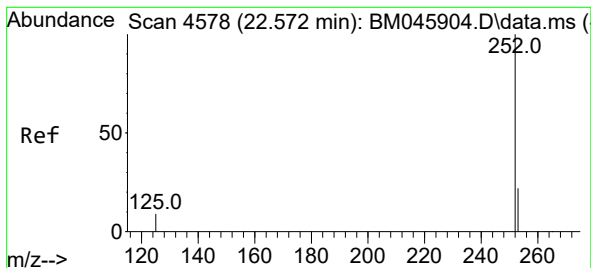
Ion Ratio Lower Upper

252 100

253 29.1 0.0 63.6

125 16.3 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 11.736 ng/ul

RT: 22.689 min Scan# 4

Delta R.T. 0.108 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

Instrument :

BNA_M

ClientSampleId :

A4C15

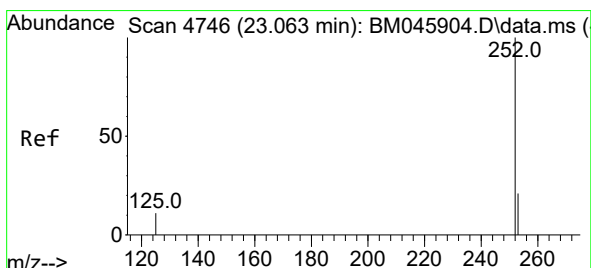
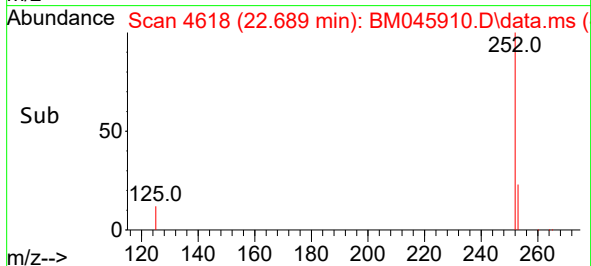
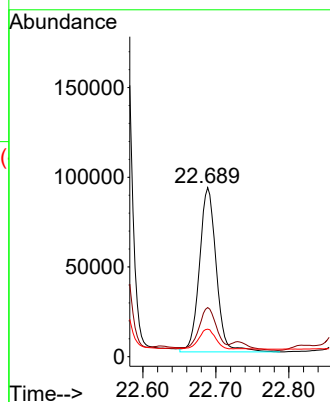
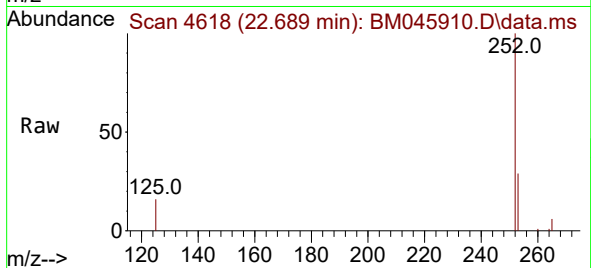
Tgt Ion:252 Resp: 147280

Ion Ratio Lower Upper

252 100

253 29.1 25.0 37.6

125 16.3 14.2 21.2



#26

Benzo(a)pyrene

Concen: 4.960 ng/ul

RT: 23.197 min Scan# 4792

Delta R.T. 0.125 min

Lab File: BM045910.D

Acq: 08 Jun 2024 11:26

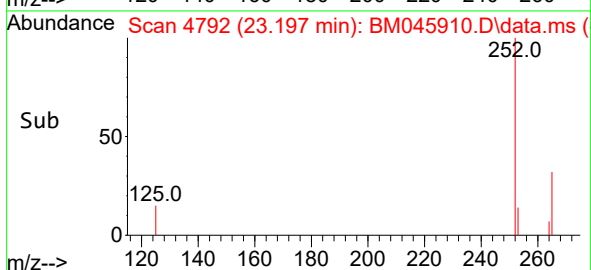
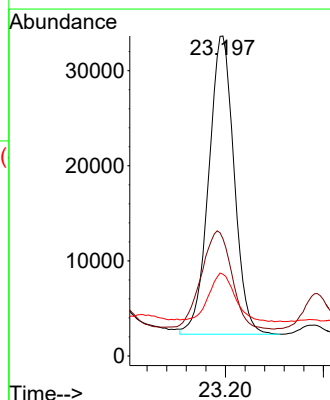
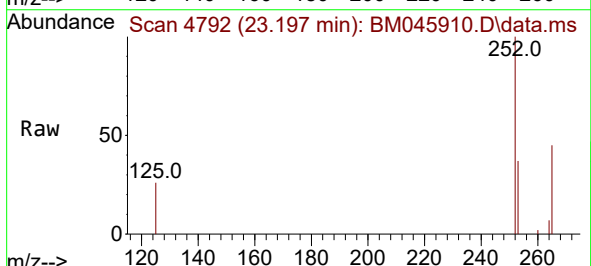
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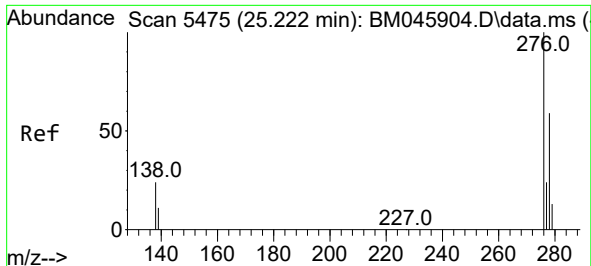
Ion Ratio Lower Upper

252 100

253 36.6 28.8 43.2

125 25.5 17.3 25.9

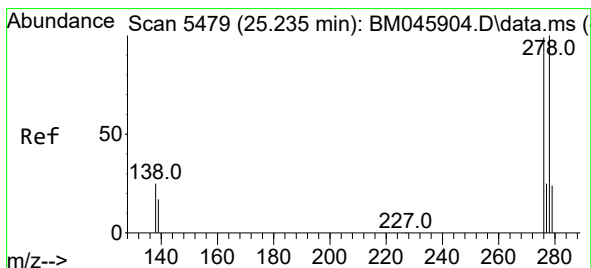
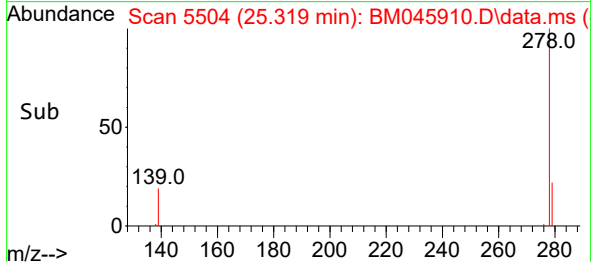
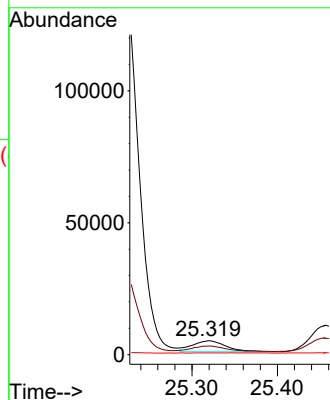
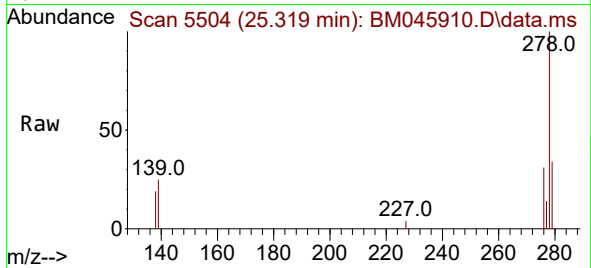




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.772 ng/ul
 RT: 25.319 min Scan# 51
 Delta R.T. 0.087 min
 Lab File: BM045910.D
 Acq: 08 Jun 2024 11:26

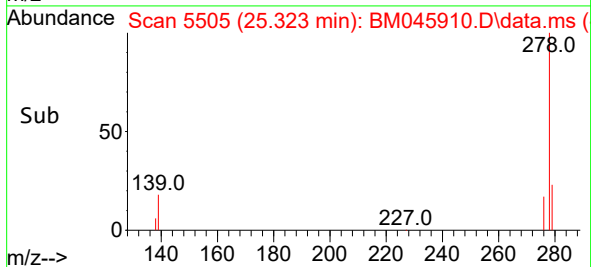
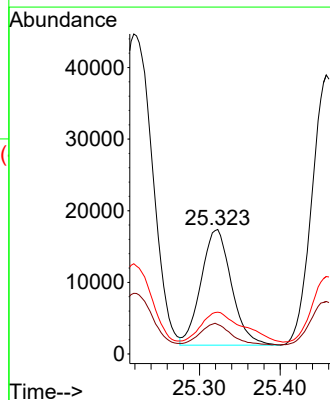
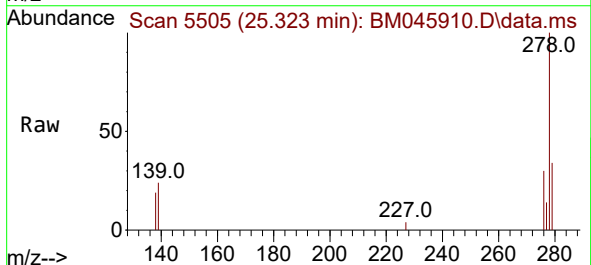
Instrument :
 BNA_M
 ClientSampleId :
 A4C15

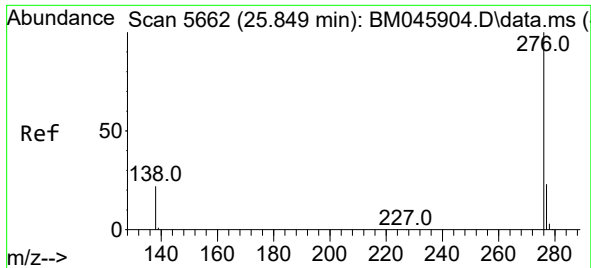
Tgt Ion:276 Resp: 11331
 Ion Ratio Lower Upper
 276 100
 138 50.2 20.7 31.1#
 227 0.6 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 3.597 ng/ul
 RT: 25.323 min Scan# 5505
 Delta R.T. 0.074 min
 Lab File: BM045910.D
 Acq: 08 Jun 2024 11:26

Tgt Ion:278 Resp: 42226
 Ion Ratio Lower Upper
 278 100
 139 23.6 16.6 25.0
 279 33.6 24.6 37.0





#29
Benzo(g,h,i)perylene
Concen: 0.335 ng/ul
RT: 26.024 min Scan# 51
Delta R.T. 0.161 min
Lab File: BM045910.D
Acq: 08 Jun 2024 11:26

Instrument :
BNA_M
ClientSampleId :
A4C15

Tgt Ion:276 Resp: 4241
Ion Ratio Lower Upper
276 100
138 82.7 21.0 31.4#
277 88.1 20.5 30.7#

