

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045918.D
 Acq On : 08 Jun 2024 16:16
 Operator : MA/JU
 Sample : M2640-20
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C24

Quant Time: Jun 10 01:28:57 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)

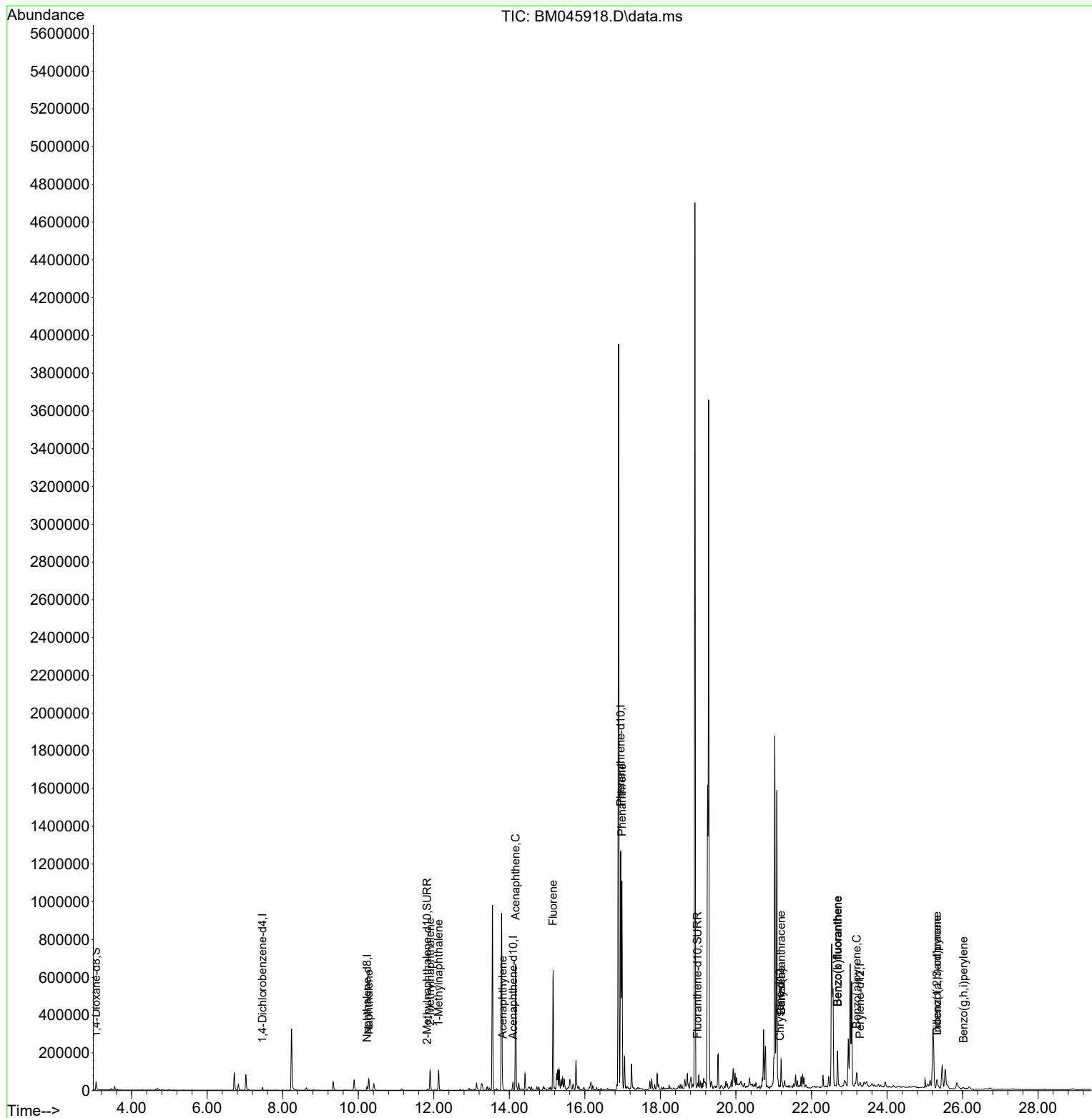
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	7248	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136	25188	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.104	164	14669	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.947	188	1351784	0.400	ng/ul	0.08
17) Chrysene-d12	21.163	240	487	0.400	ng/ul	# 0.11
23) Perylene-d12	23.285	264	6573	0.400	ng/ul	# 0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	26526	3.213	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.827	152	8428	0.233	ng/ul	-0.02
18) Fluoranthene-d10	18.983	212	1755	1.203	ng/ul	0.09
Target Compounds						
						Qvalue
5) Naphthalene	10.277	128	80265	1.219	ng/ul	99
7) 2-Methylnaphthalene	11.904	142	79039	1.883	ng/ul	99
8) 1-Methylnaphthalene	12.130	142	72600	1.591	ng/ul	100
10) Acenaphthylene	13.822	152	23521	0.353	ng/ul#	90
11) Acenaphthene	14.164	153	372065	7.590	ng/ul	99
12) Fluorene	15.159	166	371338	6.777	ng/ul	98
15) Phenanthrene	16.981	178	1127677	0.297	ng/ul	99
21) Benzo(a)anthracene	21.195	228	99640	55.740	ng/ul#	54
22) Chrysene	21.195	228	104827	53.865	ng/ul#	58
24) Benzo(b)fluoranthene	22.689	252	218218	10.009	ng/ul	95
25) Benzo(k)fluoranthene	22.689	252	218218	9.108	ng/ul#	96
26) Benzo(a)pyrene	23.197	252	73207	3.377	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.323	276	15974	0.570	ng/ul#	38
28) Dibenzo(a,h)anthracene	25.323	278	62682	2.797	ng/ul	92
29) Benzo(g,h,i)perylene	26.024	276	7073	0.293	ng/ul#	1

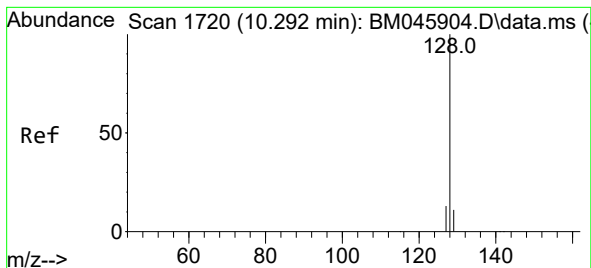
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.219 ng/ul

RT: 10.277 min Scan# 1

Delta R.T. -0.026 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24

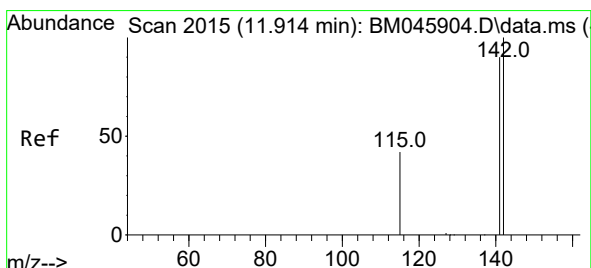
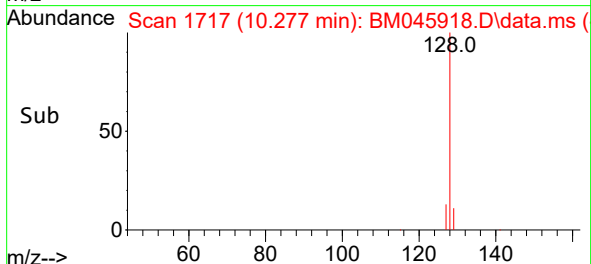
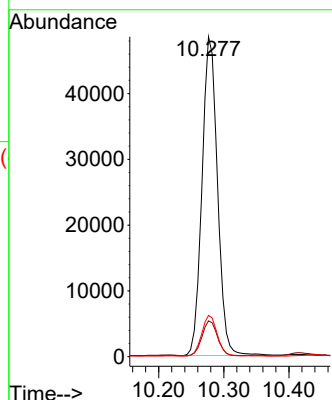
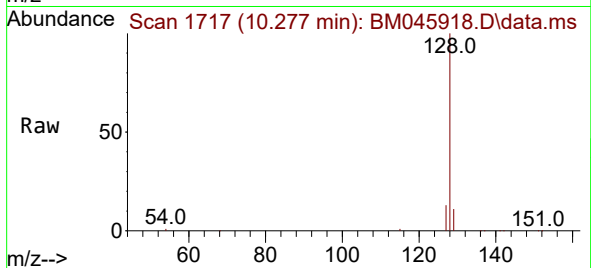
Tgt Ion:128 Resp: 80265

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

127 12.9 10.6 15.8



#7

2-Methylnaphthalene

Concen: 1.883 ng/ul

RT: 11.904 min Scan# 2013

Delta R.T. -0.015 min

Lab File: BM045918.D

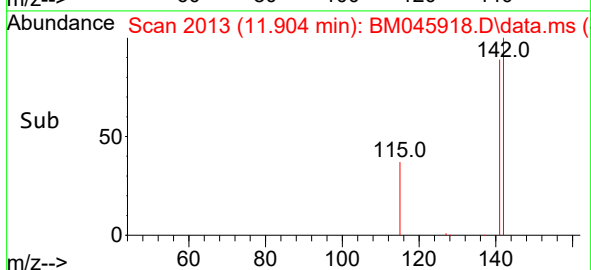
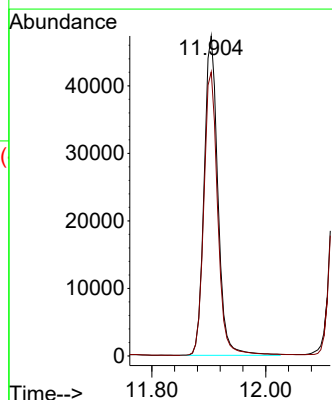
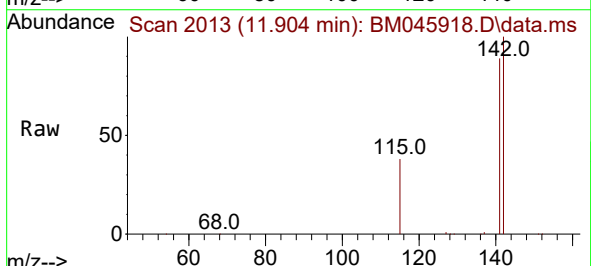
Acq: 08 Jun 2024 16:16

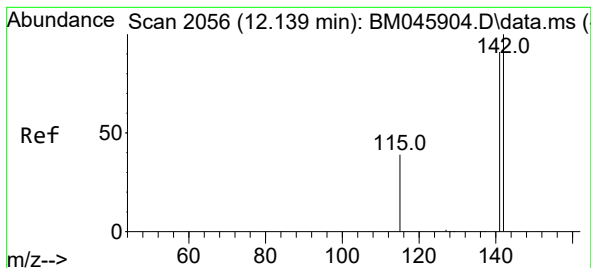
Tgt Ion:142 Resp: 79039

Ion Ratio Lower Upper

142 100

141 89.3 72.2 108.4





#8

1-Methylnaphthalene

Concen: 1.591 ng/ul

RT: 12.130 min Scan# 2056

Delta R.T. -0.015 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

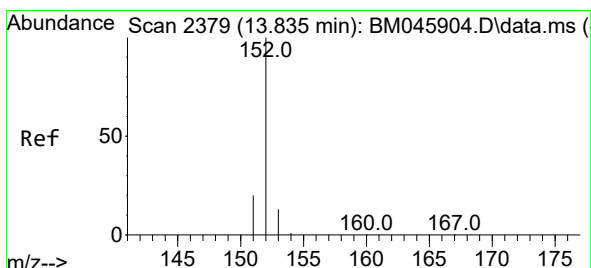
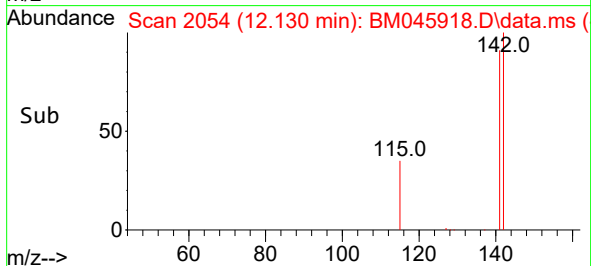
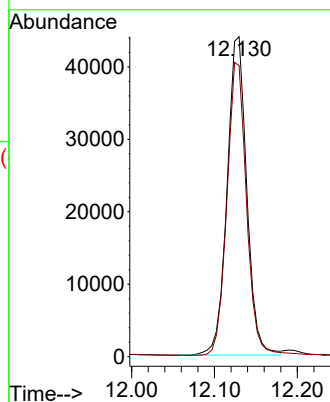
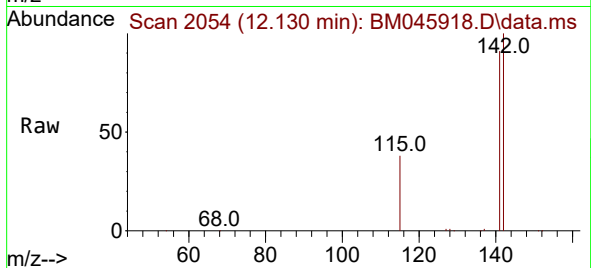
A4C24

Tgt Ion:142 Resp: 72600

Ion Ratio Lower Upper

142 100

141 92.0 73.5 110.3



#10

Acenaphthylene

Concen: 0.353 ng/ul

RT: 13.822 min Scan# 2376

Delta R.T. -0.017 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

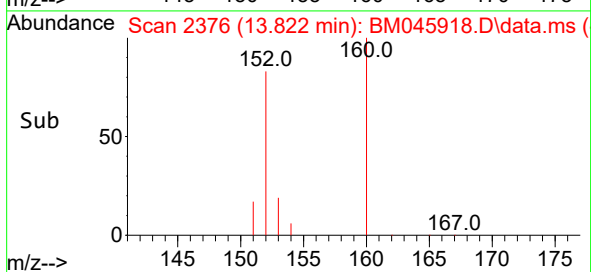
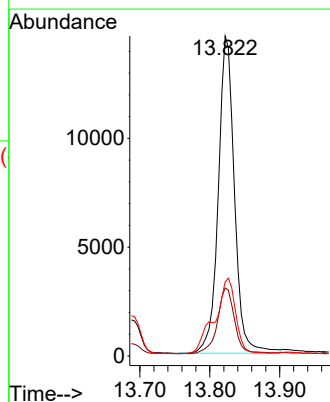
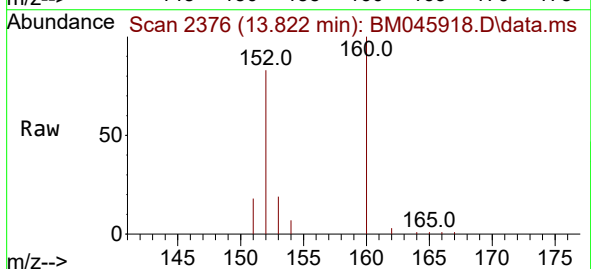
Tgt Ion:152 Resp: 23521

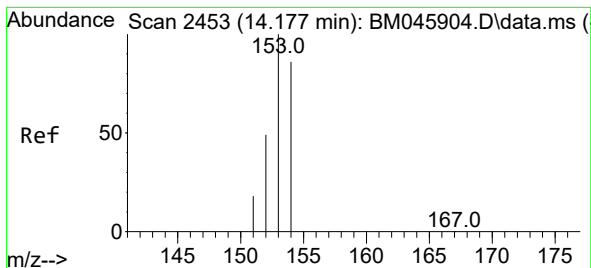
Ion Ratio Lower Upper

152 100

151 21.3 16.4 24.6

153 23.2 11.1 16.7#

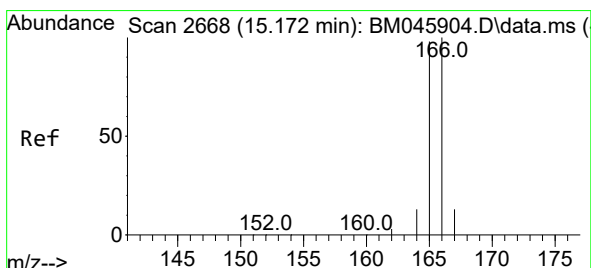
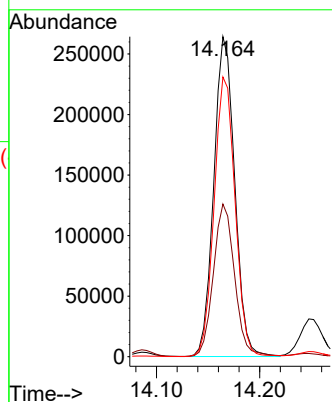
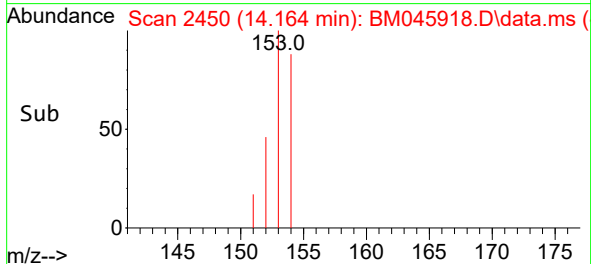
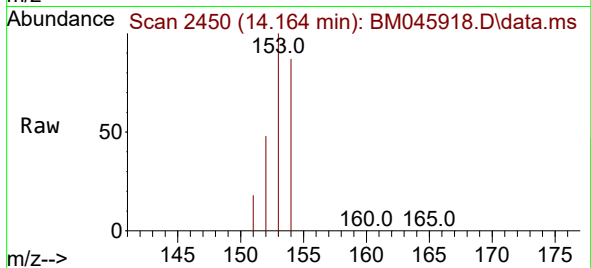




#11
Acenaphthene
Concen: 7.590 ng/ul
RT: 14.164 min Scan# 2450
Delta R.T. -0.017 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

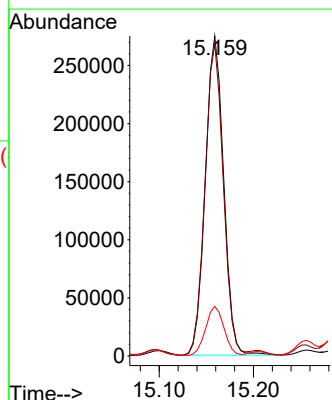
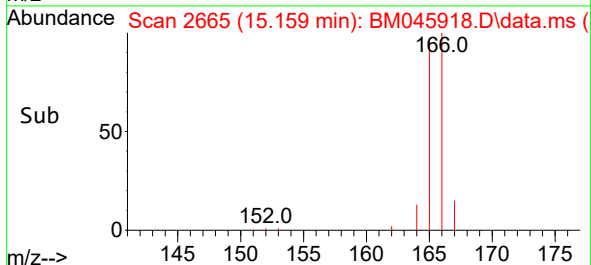
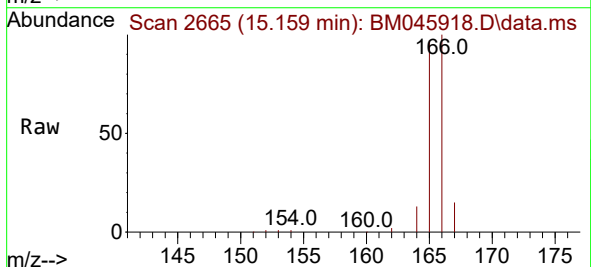
Instrument :
BNA_M
ClientSampleId :
A4C24

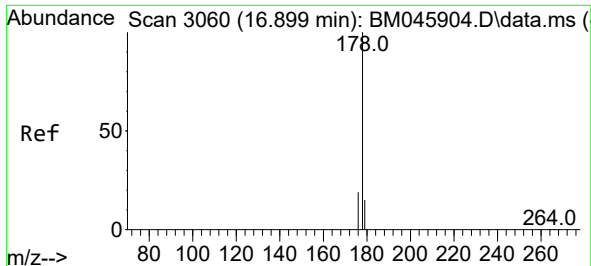
Tgt Ion:153 Resp: 372065
Ion Ratio Lower Upper
153 100
152 47.7 39.0 58.4
154 87.4 69.4 104.2



#12
Fluorene
Concen: 6.777 ng/ul
RT: 15.159 min Scan# 2665
Delta R.T. -0.017 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:166 Resp: 371338
Ion Ratio Lower Upper
166 100
165 97.4 79.7 119.5
167 15.5 11.3 16.9

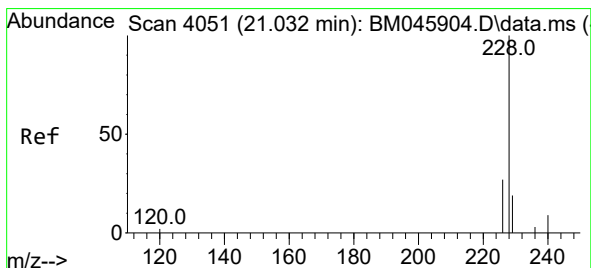
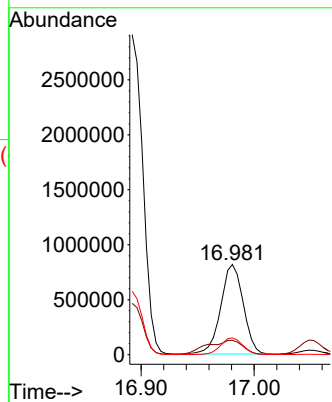
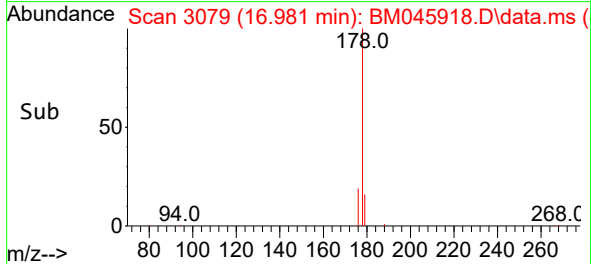
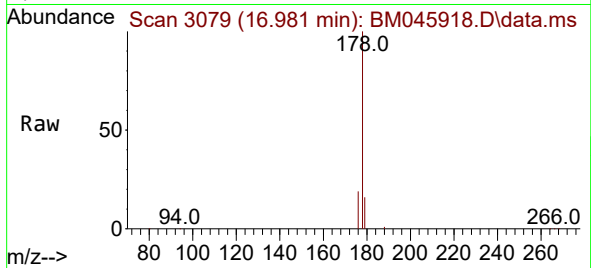




#15
Phenanthrene
Concen: 0.297 ng/ul
RT: 16.981 min Scan# 3060
Delta R.T. 0.077 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

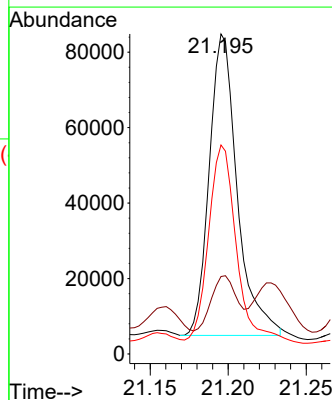
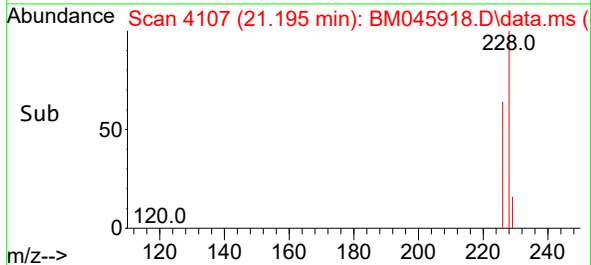
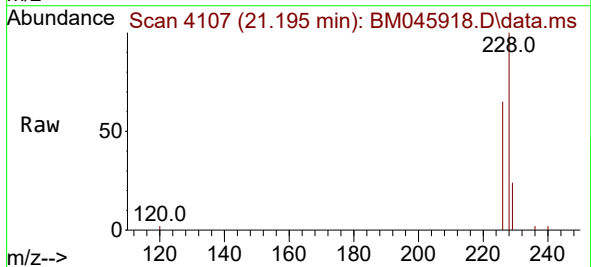
Instrument :
BNA_M
ClientSampleId :
A4C24

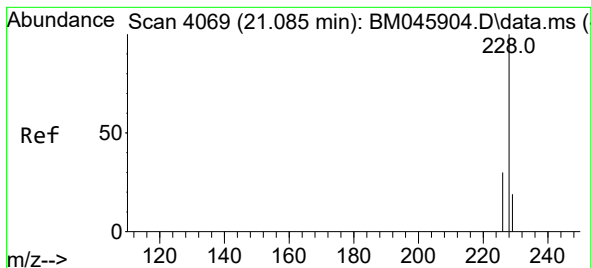
Tgt Ion:178 Resp: 1127677
Ion Ratio Lower Upper
178 100
179 16.1 12.7 19.1
176 18.6 15.6 23.4



#21
Benzo(a)anthracene
Concen: 55.740 ng/ul
RT: 21.195 min Scan# 4107
Delta R.T. 0.160 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:228 Resp: 99640
Ion Ratio Lower Upper
228 100
229 24.2 15.7 23.5#
226 65.3 22.0 33.0#





#22

Chrysene

Concen: 53.865 ng/ul

RT: 21.195 min Scan# 4107

Delta R.T. 0.108 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24

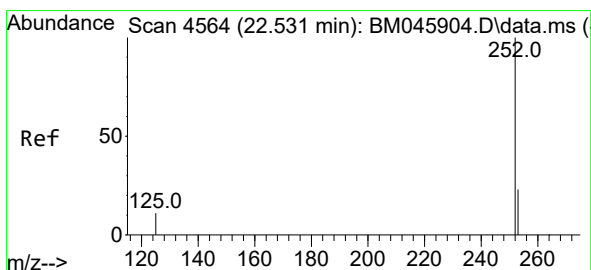
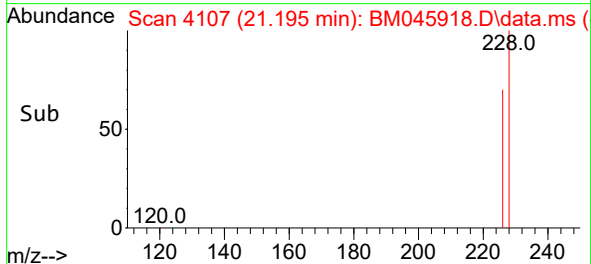
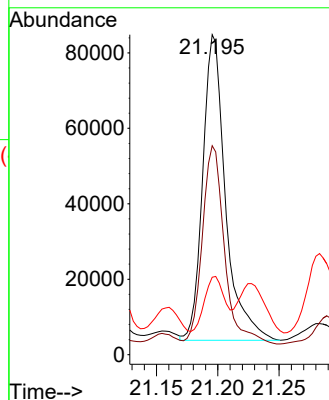
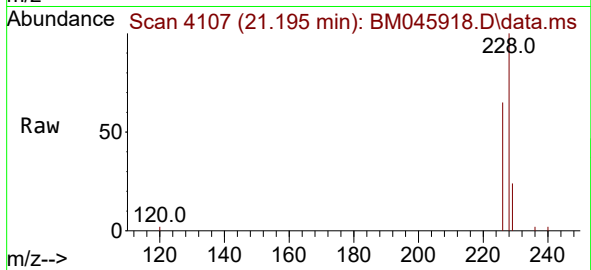
Tgt Ion:228 Resp: 104827

Ion Ratio Lower Upper

228 100

226 65.3 24.5 36.7#

229 24.2 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 10.009 ng/ul

RT: 22.689 min Scan# 4618

Delta R.T. 0.152 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

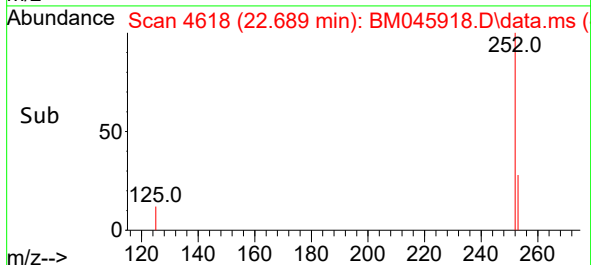
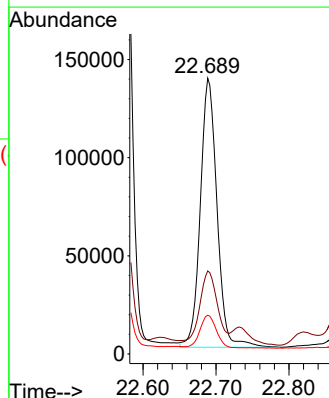
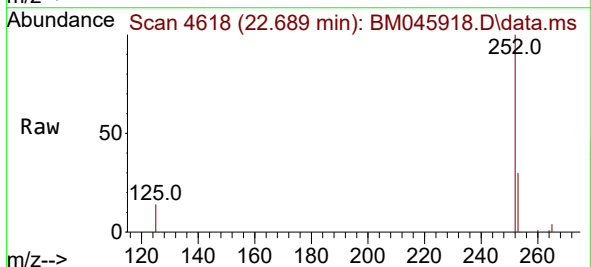
Tgt Ion:252 Resp: 218218

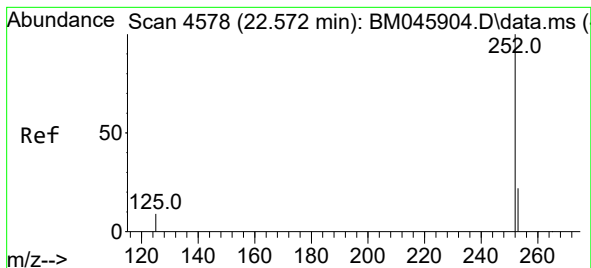
Ion Ratio Lower Upper

252 100

253 30.1 0.0 63.6

125 14.0 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 9.108 ng/ul

RT: 22.689 min Scan# 4

Delta R.T. 0.108 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24

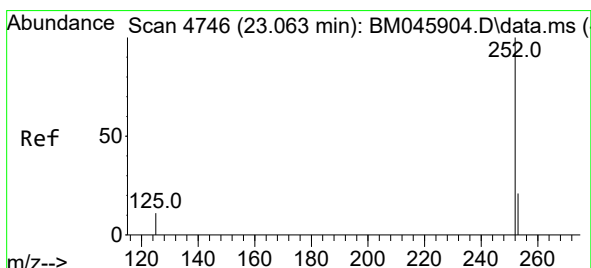
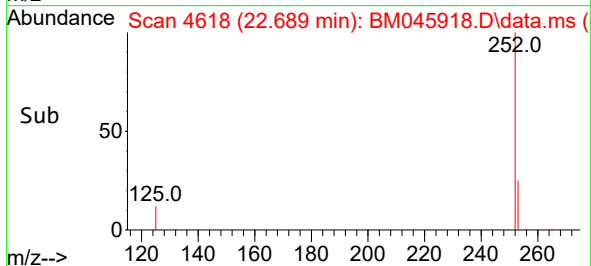
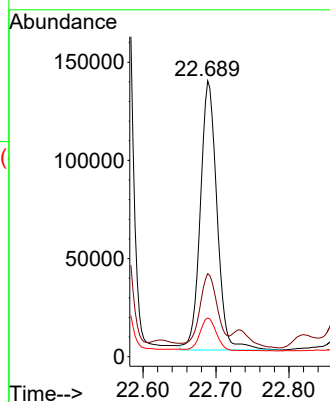
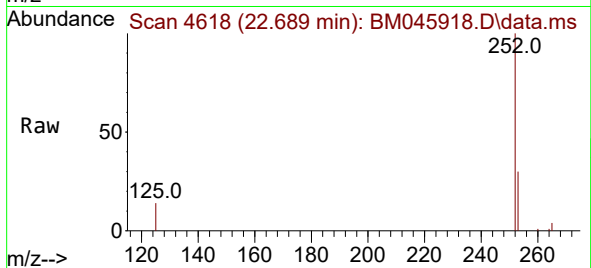
Tgt Ion:252 Resp: 218218

Ion Ratio Lower Upper

252 100

253 30.1 25.0 37.6

125 14.0 14.2 21.2#



#26

Benzo(a)pyrene

Concen: 3.377 ng/ul

RT: 23.197 min Scan# 4792

Delta R.T. 0.125 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

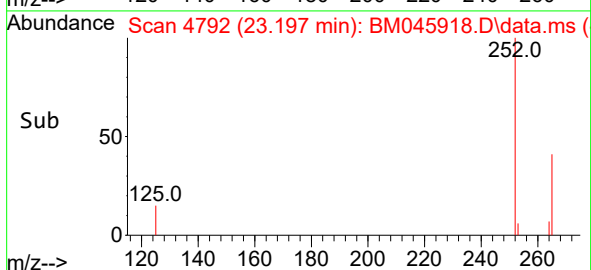
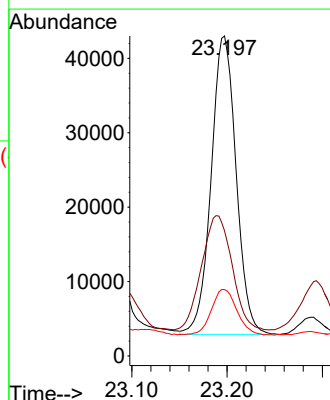
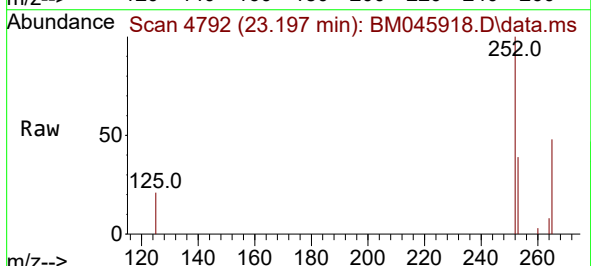
Tgt Ion:252 Resp: 73207

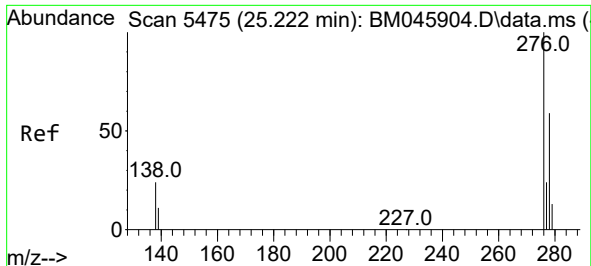
Ion Ratio Lower Upper

252 100

253 39.1 28.8 43.2

125 20.8 17.3 25.9

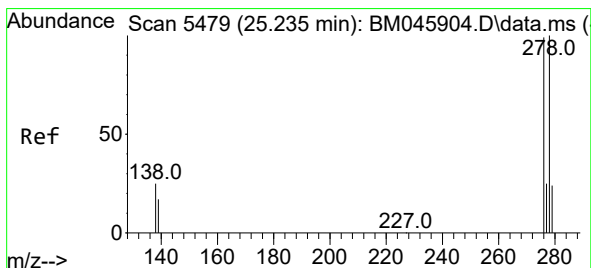
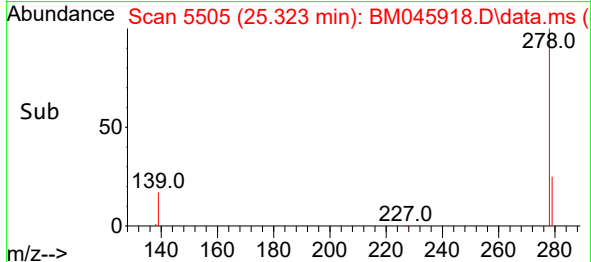
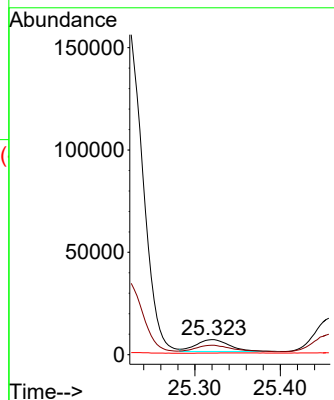
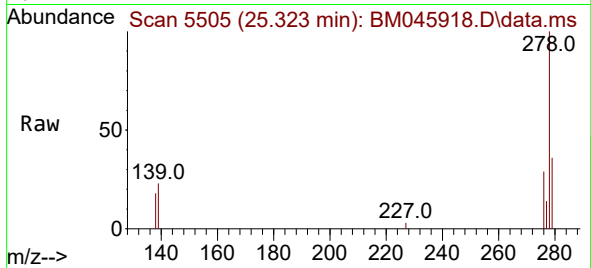




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.570 ng/ul
 RT: 25.323 min Scan# 51
 Delta R.T. 0.090 min
 Lab File: BM045918.D
 Acq: 08 Jun 2024 16:16

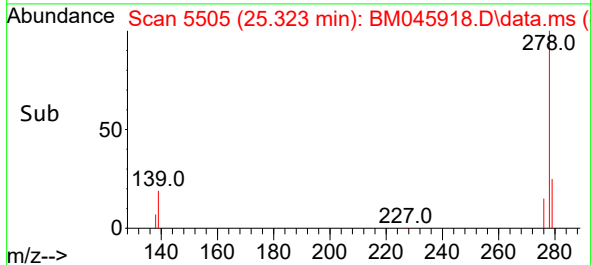
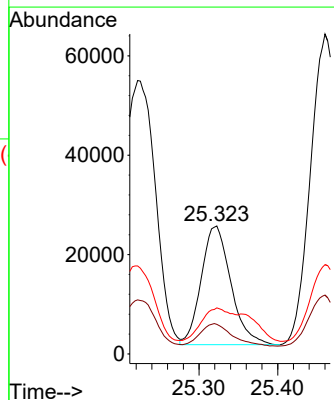
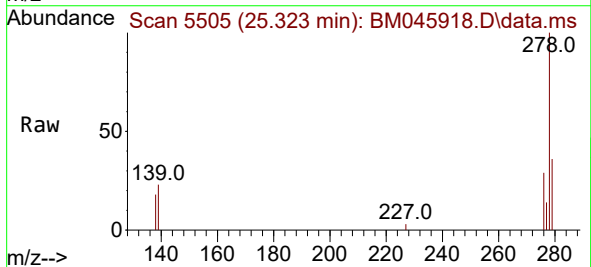
Instrument :
 BNA_M
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 A4C24

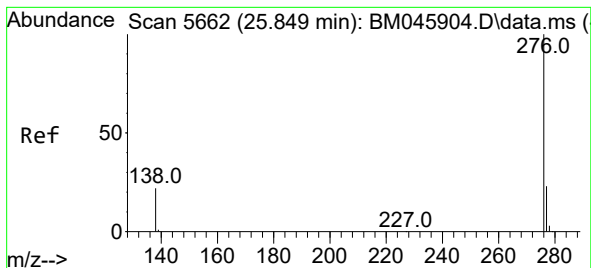
Tgt Ion:276 Resp: 15974
 Ion Ratio Lower Upper
 276 100
 138 57.5 20.7 31.1#
 227 0.4 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 2.797 ng/ul
 RT: 25.323 min Scan# 5505
 Delta R.T. 0.074 min
 Lab File: BM045918.D
 Acq: 08 Jun 2024 16:16

Tgt Ion:278 Resp: 62682
 Ion Ratio Lower Upper
 278 100
 139 23.2 16.6 25.0
 279 36.0 24.6 37.0





#29

Benzo(g,h,i)perylene

Concen: 0.293 ng/ul

RT: 26.024 min Scan# 51

Delta R.T. 0.161 min

Lab File: BM045918.D

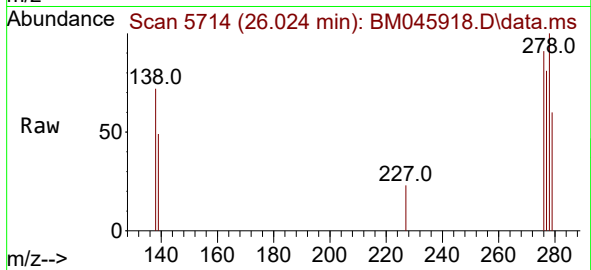
Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24



Tgt Ion:276 Resp: 7073

Ion Ratio Lower Upper

276 100

138 79.0 21.0 31.4#

277 88.5 20.5 30.7#

