

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045938.D
 Acq On : 09 Jun 2024 05:00
 Operator : MA/JU
 Sample : P2640-21DL 5X
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C25DL

Quant Time: Jun 10 01:32:08 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)

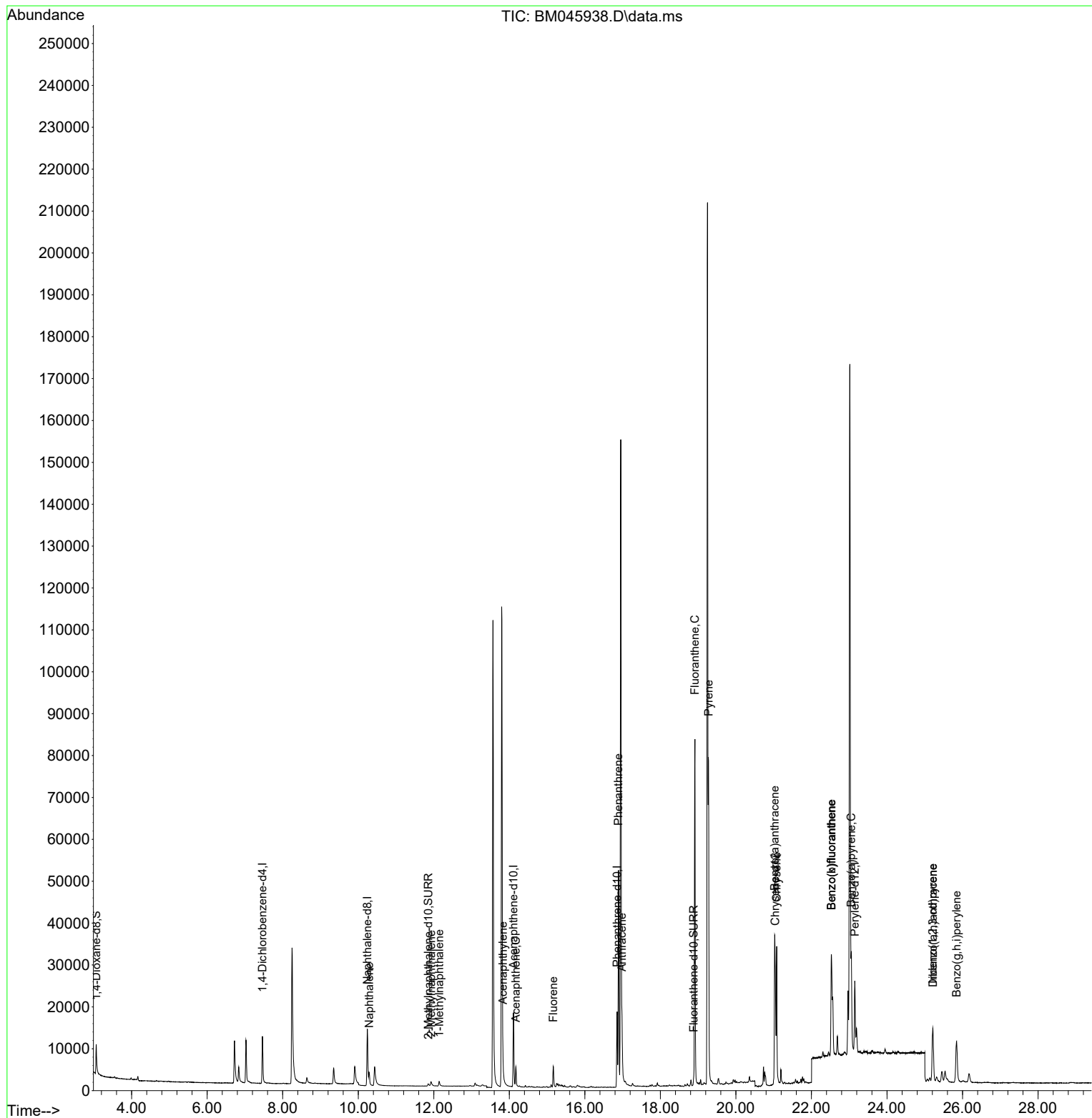
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.464	152	6110	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.242	136	19450	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.112	164	10610	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.853	188	20899	0.400	ng/ul	-0.01
17) Chrysene-d12	21.041	240	17303	0.400	ng/ul	-0.01
23) Perylene-d12	23.148	264	21935	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	4626	0.665	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.854	152	1085	0.039	ng/ul	0.00
18) Fluoranthene-d10	18.880	212	2388	0.046	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.286	128	4250	0.084	ng/ul#	94
7) 2-Methylnaphthalene	11.931	142	1199	0.037	ng/ul	100
8) 1-Methylnaphthalene	12.145	142	1051	0.030	ng/ul	98
10) Acenaphthylene	13.830	152	2409	0.050	ng/ul#	90
11) Acenaphthene	14.172	153	2952	0.083	ng/ul	98
12) Fluorene	15.162	166	3513	0.089	ng/ul	97
15) Phenanthrene	16.891	178	56795	0.968	ng/ul	100
16) Anthracene	16.984	178	11722	0.234	ng/ul#	95
19) Fluoranthene	18.913	202	74234	1.076	ng/ul	98
20) Pyrene	19.275	202	63156	0.877	ng/ul	96
21) Benzo(a)anthracene	21.026	228	29611	0.466	ng/ul	97
22) Chrysene	21.079	228	31328	0.453	ng/ul	98
24) Benzo(b)fluoranthene	22.528	252	53213	0.731	ng/ul	96
25) Benzo(k)fluoranthene	22.528	252	53213	0.666	ng/ul	97
26) Benzo(a)pyrene	23.054	252	26705	0.369	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	25.212	276	19797	0.212	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.219	278	4592	0.061	ng/ul#	65
29) Benzo(g,h,i)perylene	25.843	276	19488	0.242	ng/ul	99

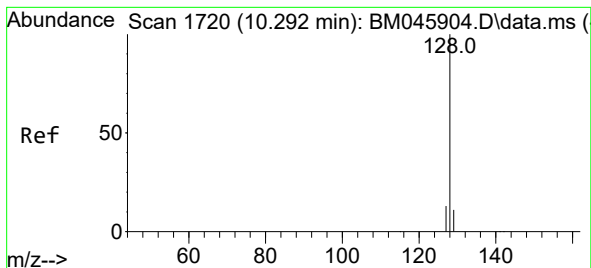
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.084 ng/ul

RT: 10.286 min Scan# 11

Delta R.T. -0.017 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

Instrument :

BNA_M

ClientSampleId :

A4C25DL

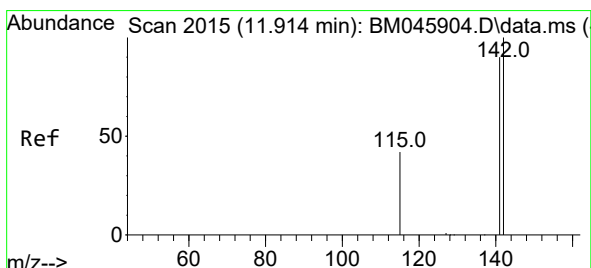
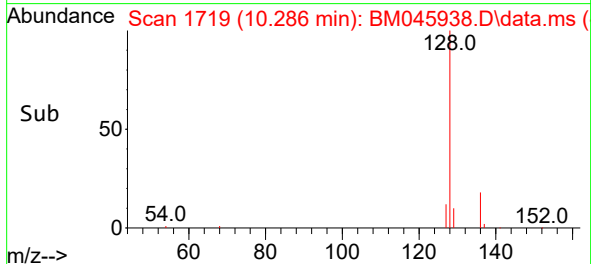
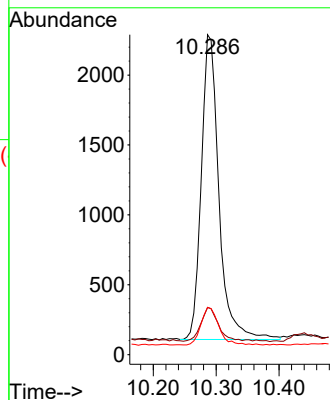
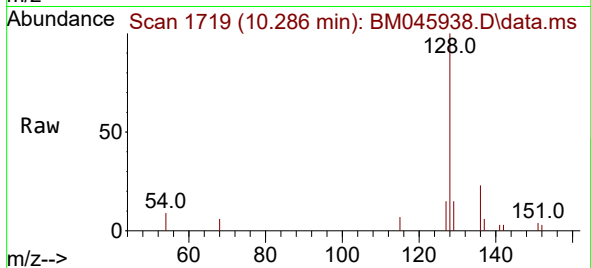
Tgt Ion:128 Resp: 4250

Ion Ratio Lower Upper

128 100

129 14.7 9.4 14.0#

127 14.8 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.037 ng/ul

RT: 11.931 min Scan# 2018

Delta R.T. 0.011 min

Lab File: BM045938.D

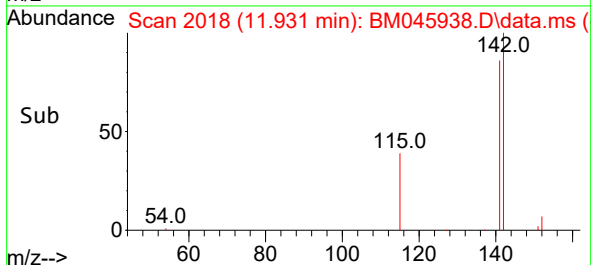
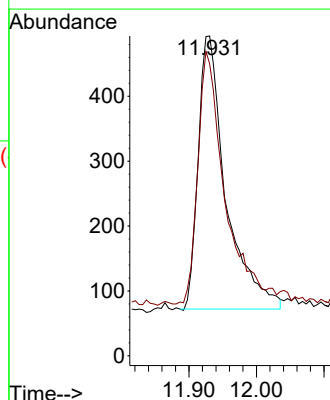
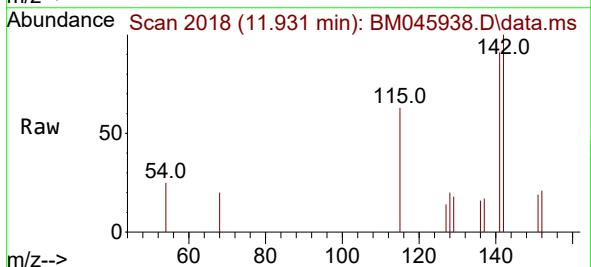
Acq: 09 Jun 2024 05:00

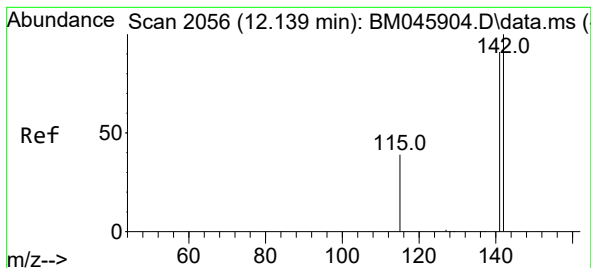
Tgt Ion:142 Resp: 1199

Ion Ratio Lower Upper

142 100

141 90.0 72.2 108.4





#8

1-Methylnaphthalene

Concen: 0.030 ng/ul

RT: 12.145 min Scan# 2056

Delta R.T. -0.000 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

Instrument :

BNA_M

ClientSampleId :

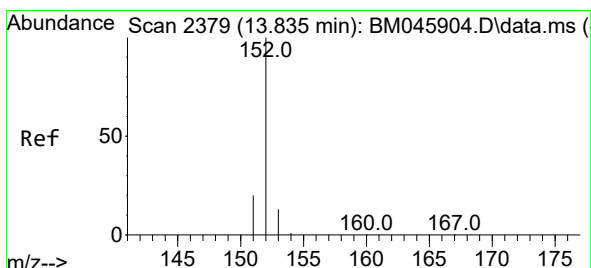
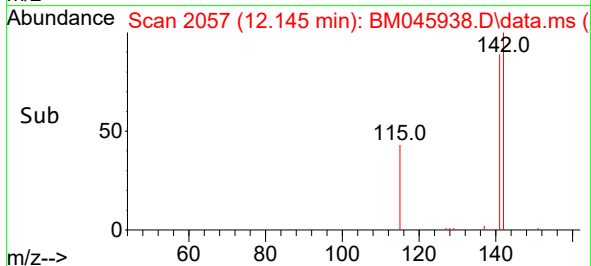
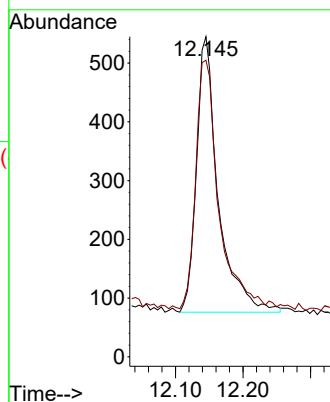
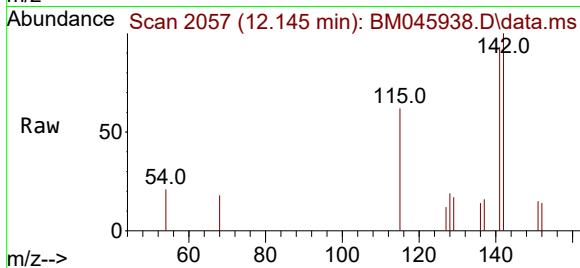
A4C25DL

Tgt Ion:142 Resp: 1051

Ion Ratio Lower Upper

142 100

141 93.5 73.5 110.3



#10

Acenaphthylene

Concen: 0.050 ng/ul

RT: 13.830 min Scan# 2378

Delta R.T. -0.009 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

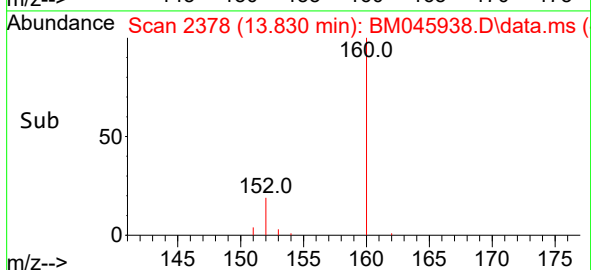
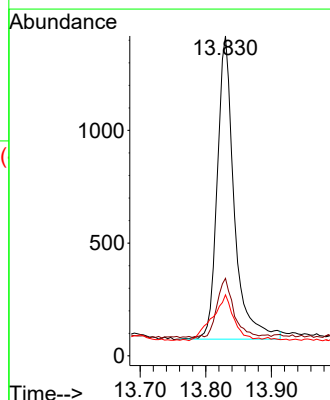
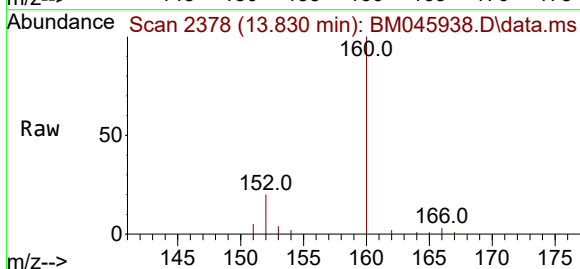
Tgt Ion:152 Resp: 2409

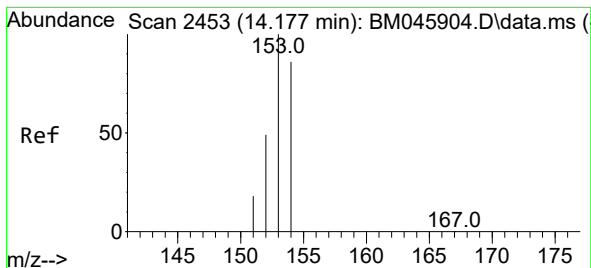
Ion Ratio Lower Upper

152 100

151 24.2 16.4 24.6

153 19.1 11.1 16.7#





#11

Acenaphthene

Concen: 0.083 ng/ul

RT: 14.172 min Scan# 2453

Delta R.T. -0.009 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

Instrument :

BNA_M

ClientSampleId :

A4C25DL

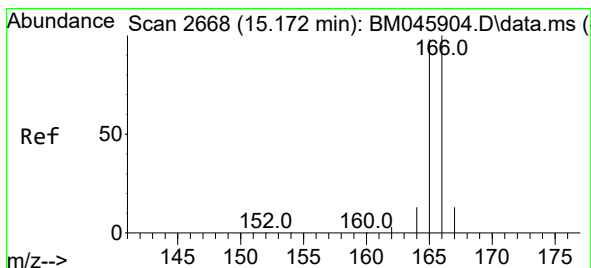
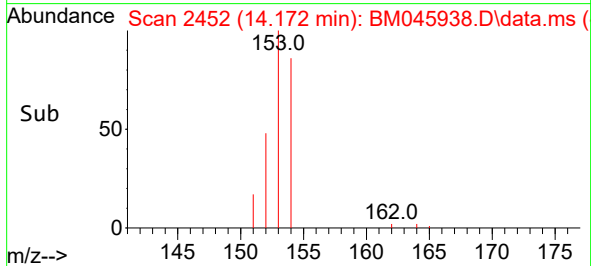
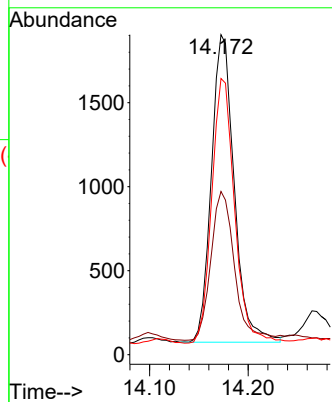
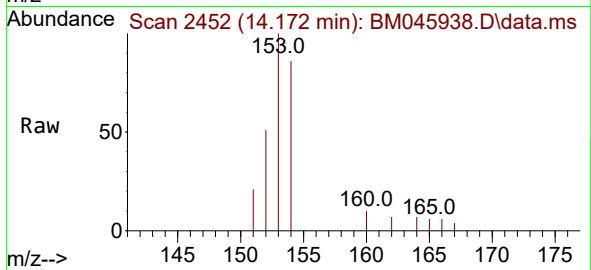
Tgt Ion:153 Resp: 2952

Ion Ratio Lower Upper

153 100

152 51.0 39.0 58.4

154 86.3 69.4 104.2



#12

Fluorene

Concen: 0.089 ng/ul

RT: 15.162 min Scan# 2666

Delta R.T. -0.014 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

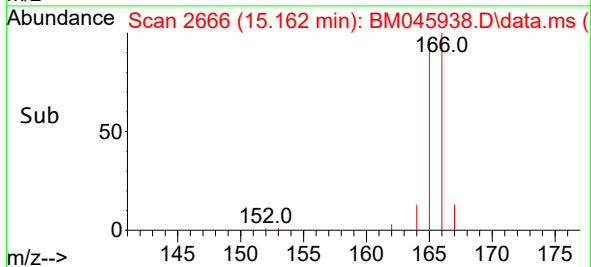
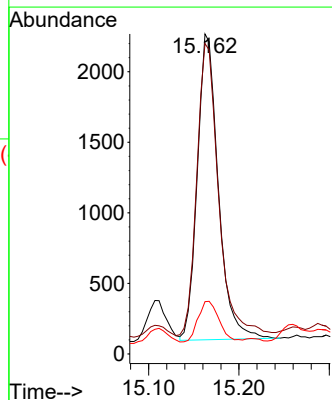
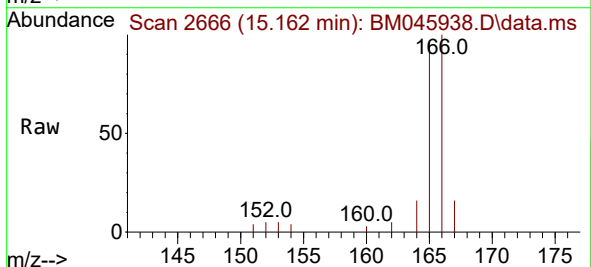
Tgt Ion:166 Resp: 3513

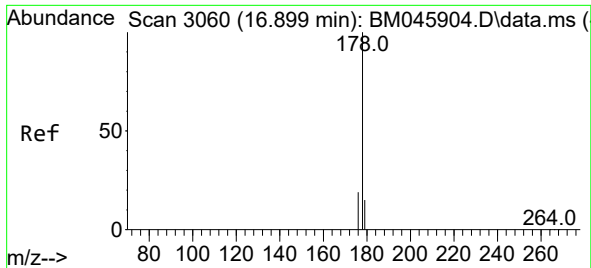
Ion Ratio Lower Upper

166 100

165 97.0 79.7 119.5

167 16.4 11.3 16.9

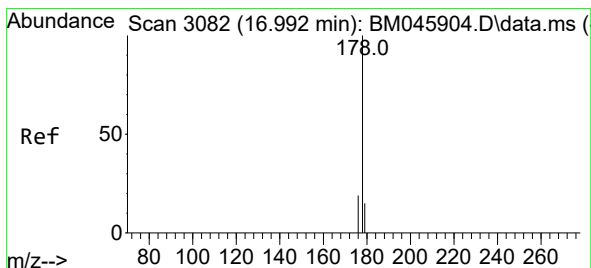
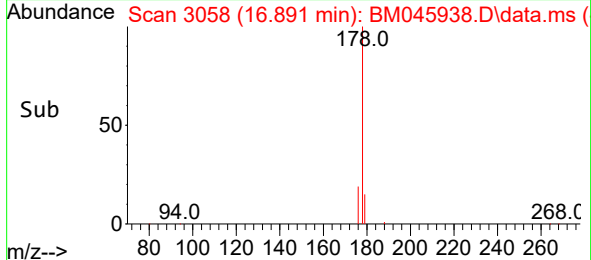
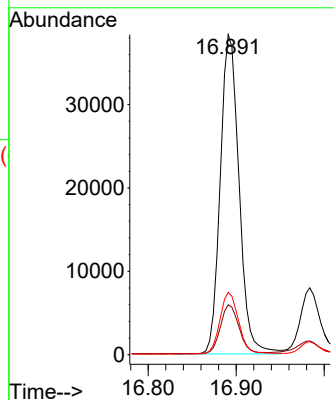
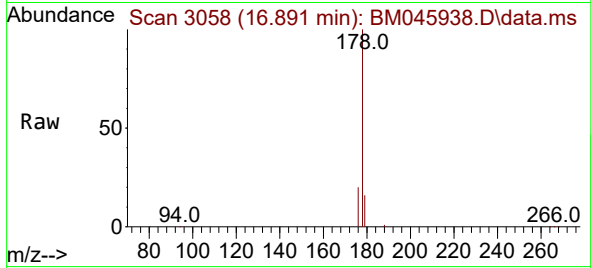




#15
Phenanthrene
Concen: 0.968 ng/ul
RT: 16.891 min Scan# 3060
Delta R.T. -0.013 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

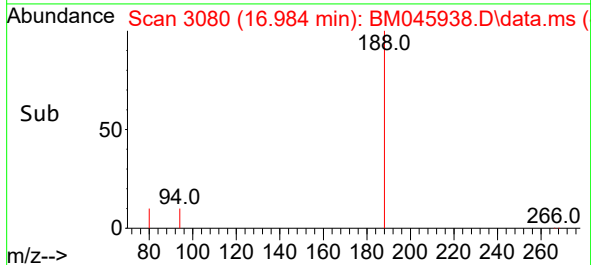
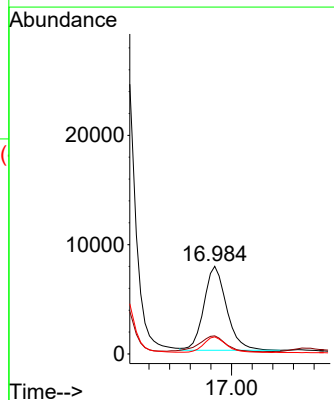
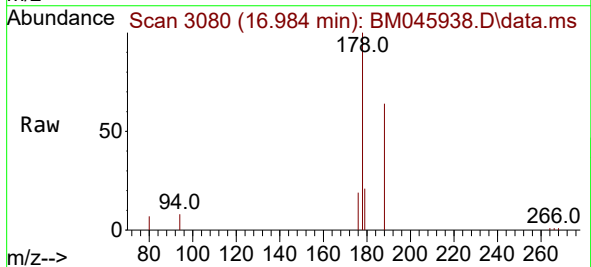
Instrument :
BNA_M
ClientSampleId :
A4C25DL

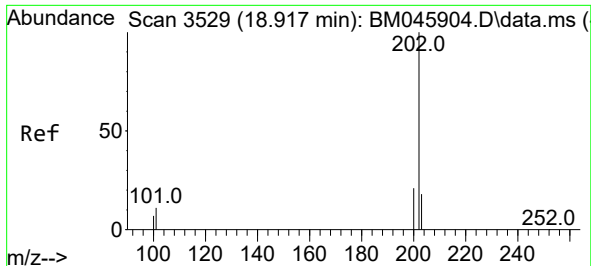
Tgt Ion:178 Resp: 56795
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.5 15.6 23.4



#16
Anthracene
Concen: 0.234 ng/ul
RT: 16.984 min Scan# 3080
Delta R.T. -0.013 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

Tgt Ion:178 Resp: 11722
Ion Ratio Lower Upper
178 100
179 20.5 13.1 19.7#
176 19.5 15.5 23.3

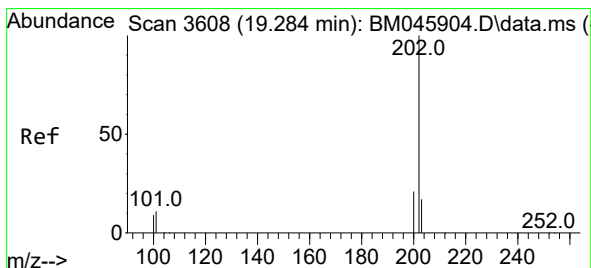
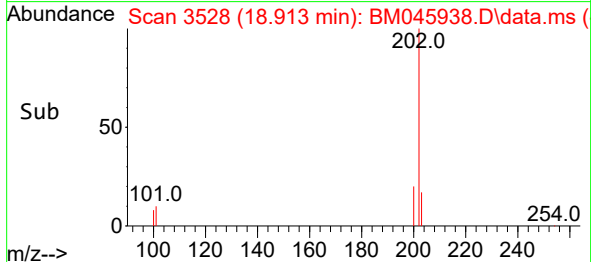
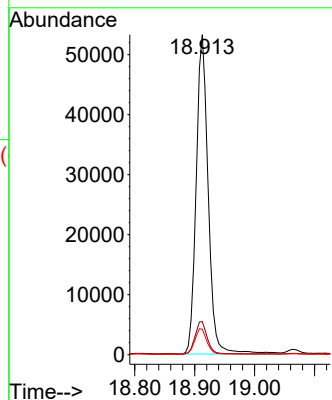
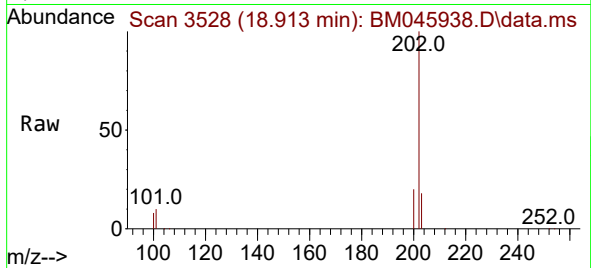




#19
Fluoranthene
Concen: 1.076 ng/ul
RT: 18.913 min Scan# 3528
Delta R.T. -0.009 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

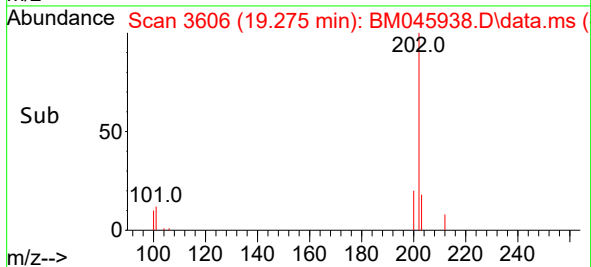
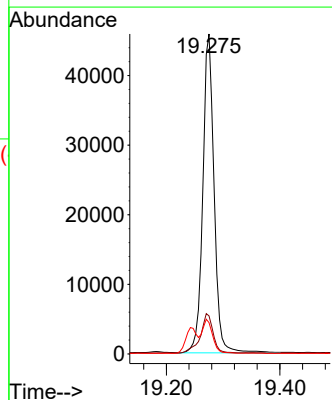
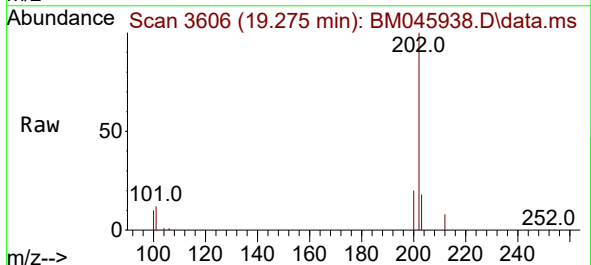
Instrument :
BNA_M
ClientSampleId :
A4C25DL

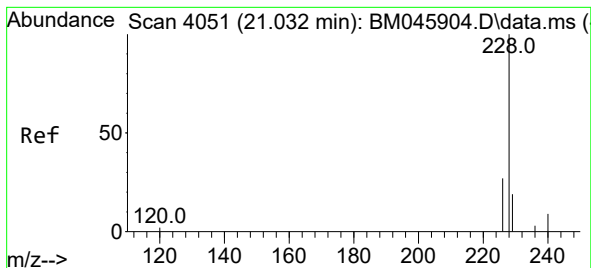
Tgt Ion:202 Resp: 74234
Ion Ratio Lower Upper
202 100
101 10.3 9.0 13.6
100 7.9 7.0 10.6



#20
Pyrene
Concen: 0.877 ng/ul
RT: 19.275 min Scan# 3606
Delta R.T. -0.009 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

Tgt Ion:202 Resp: 63156
Ion Ratio Lower Upper
202 100
101 11.9 10.6 16.0
100 9.8 9.1 13.7





#21

Benzo(a)anthracene

Concen: 0.466 ng/ul

RT: 21.026 min Scan# 4049

Delta R.T. -0.009 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

Instrument :

BNA_M

ClientSampleId :

A4C25DL

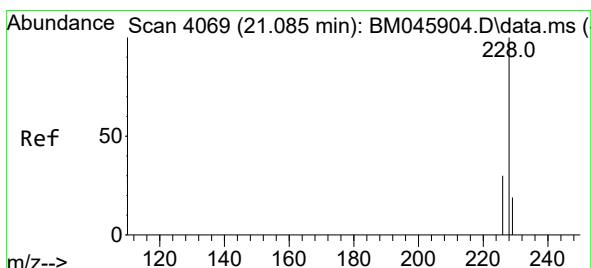
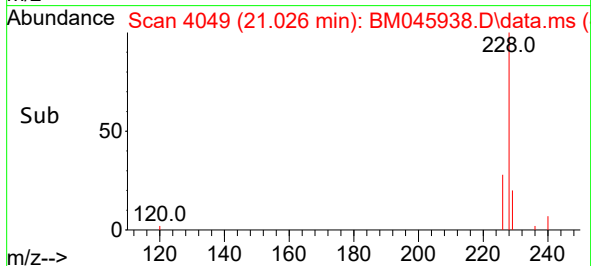
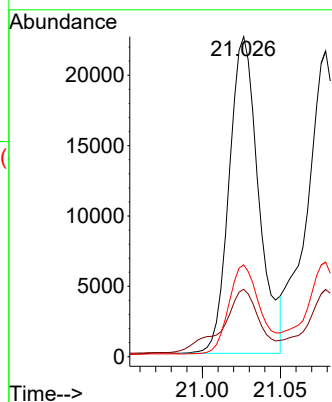
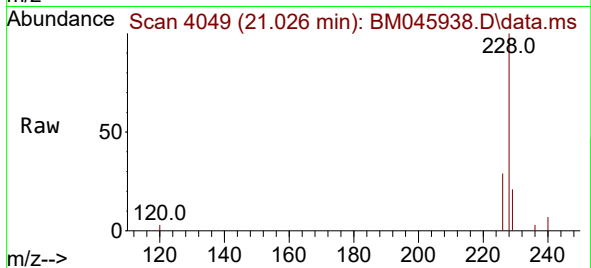
Tgt Ion:228 Resp: 29611

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

226 28.7 22.0 33.0



#22

Chrysene

Concen: 0.453 ng/ul

RT: 21.079 min Scan# 4067

Delta R.T. -0.009 min

Lab File: BM045938.D

Acq: 09 Jun 2024 05:00

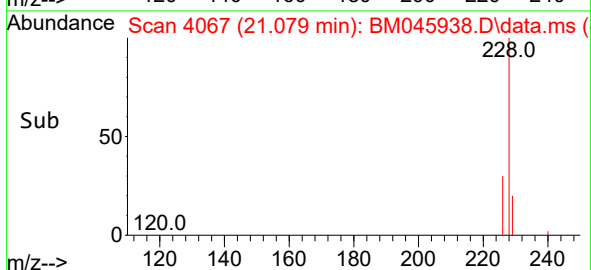
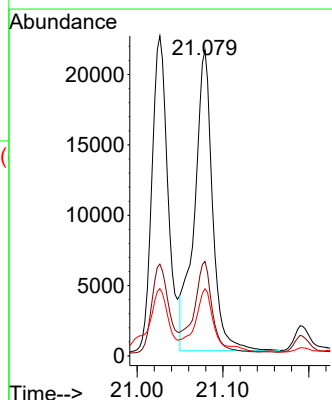
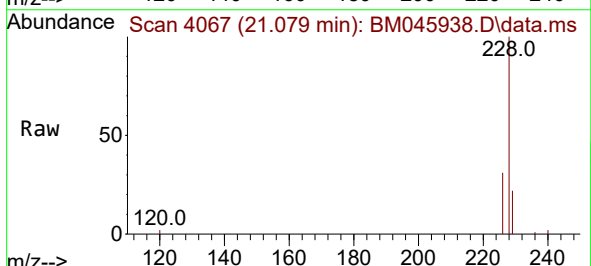
Tgt Ion:228 Resp: 31328

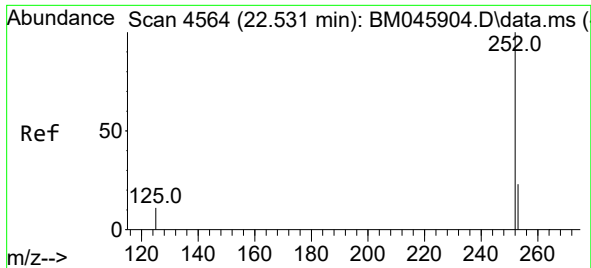
Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 22.0 16.2 24.2

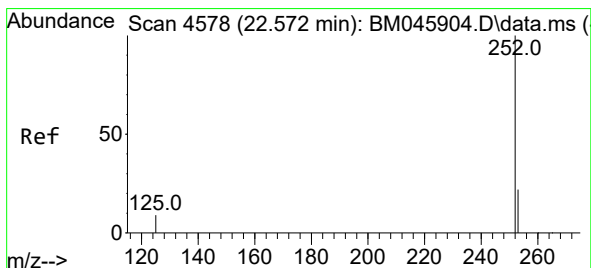
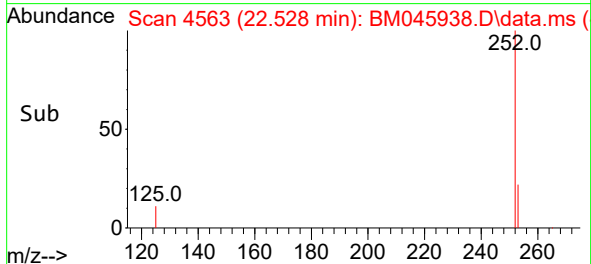
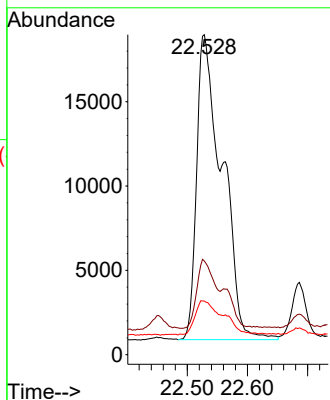
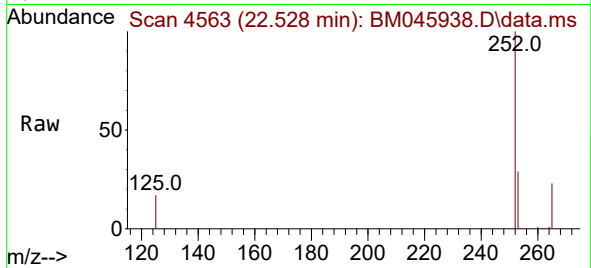




#24
Benzo(b)fluoranthene
Concen: 0.731 ng/ul
RT: 22.528 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

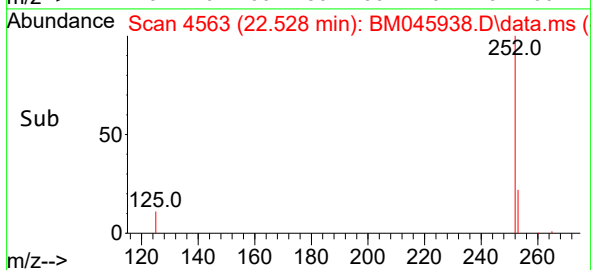
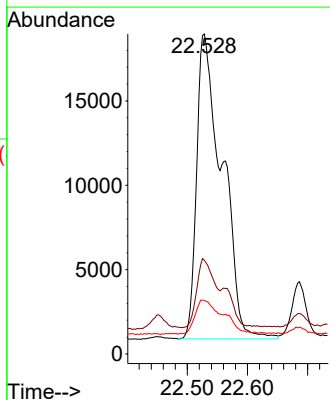
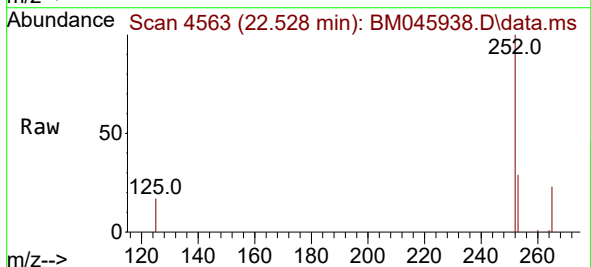
Instrument :
BNA_M
ClientSampleId :
A4C25DL

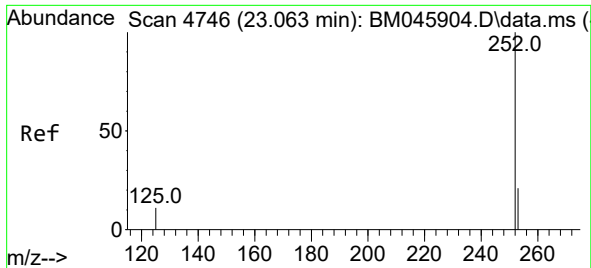
Tgt Ion:252 Resp: 53213
Ion Ratio Lower Upper
252 100
253 29.3 0.0 63.6
125 16.7 0.0 35.8



#25
Benzo(k)fluoranthene
Concen: 0.666 ng/ul
RT: 22.528 min Scan# 4563
Delta R.T. -0.053 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

Tgt Ion:252 Resp: 53213
Ion Ratio Lower Upper
252 100
253 29.3 25.0 37.6
125 16.7 14.2 21.2

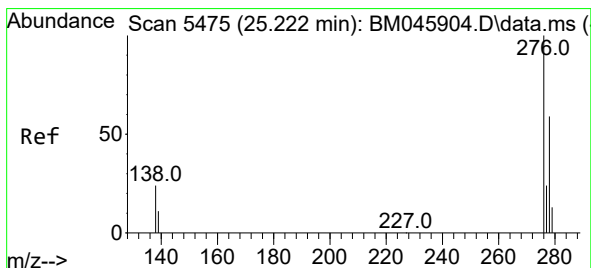
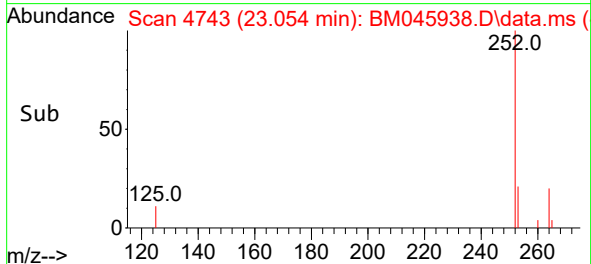
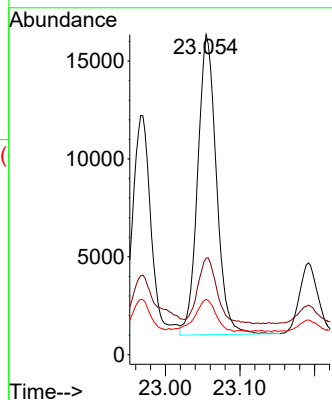
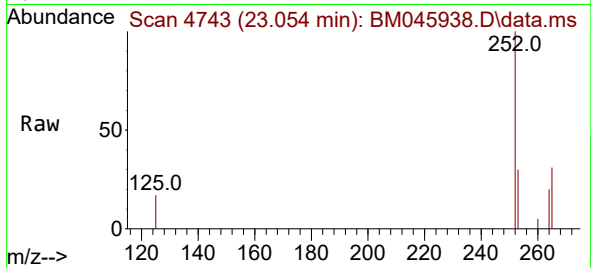




#26
Benzo(a)pyrene
Concen: 0.369 ng/ul
RT: 23.054 min Scan# 4743
Delta R.T. -0.018 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

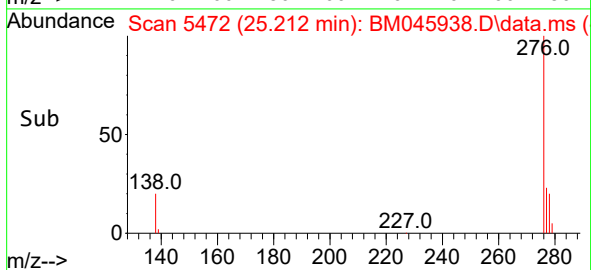
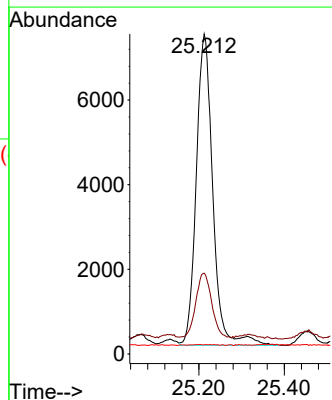
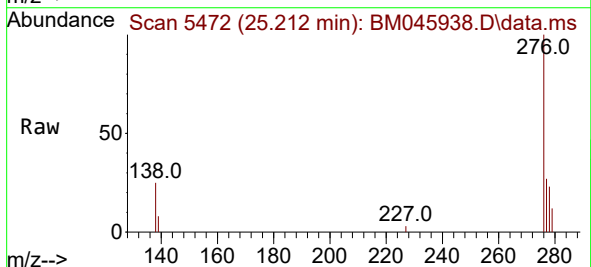
Instrument :
BNA_M
ClientSampleId :
A4C25DL

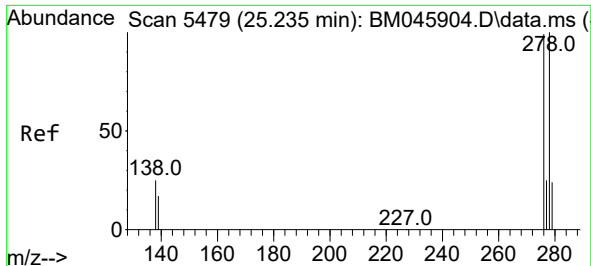
Tgt Ion:	252	Resp:	26705
Ion Ratio	Lower	Upper	
252	100		
253	30.2	28.8	43.2
125	17.3	17.3	25.9



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.212 ng/ul
RT: 25.212 min Scan# 5472
Delta R.T. -0.020 min
Lab File: BM045938.D
Acq: 09 Jun 2024 05:00

Tgt Ion:	276	Resp:	19797
Ion Ratio	Lower	Upper	
276	100		
138	20.2	20.7	31.1#
227	0.0	0.2	0.2#

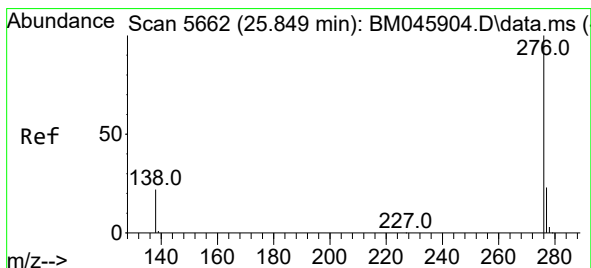
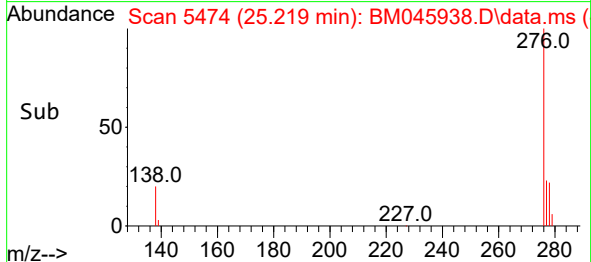
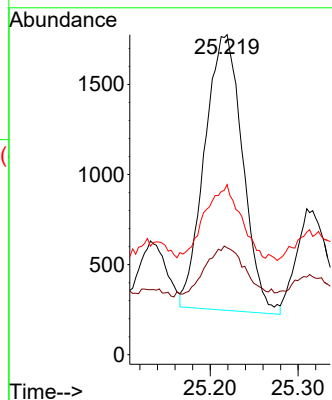
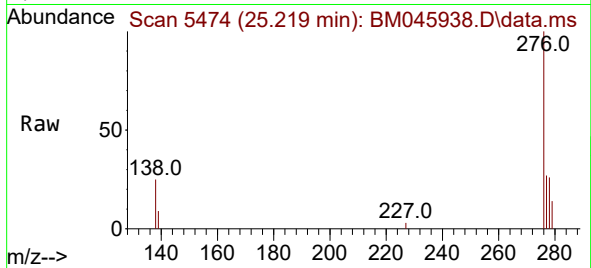




#28
 Dibenzo(a,h)anthracene
 Concen: 0.061 ng/ul
 RT: 25.219 min Scan# 5479
 Delta R.T. -0.030 min
 Lab File: BM045938.D
 Acq: 09 Jun 2024 05:00

Instrument :
 BNA_M
 ClientSampleId :
 A4C25DL

Tgt Ion:278 Resp: 4592
 Ion Ratio Lower Upper
 278 100
 139 33.4 16.6 25.0#
 279 53.2 24.6 37.0#



#29
 Benzo(g,h,i)perylene
 Concen: 0.242 ng/ul
 RT: 25.843 min Scan# 5660
 Delta R.T. -0.020 min
 Lab File: BM045938.D
 Acq: 09 Jun 2024 05:00

Tgt Ion:276 Resp: 19488
 Ion Ratio Lower Upper
 276 100
 138 26.1 21.0 31.4
 277 26.2 20.5 30.7

