

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045936.D
 Acq On : 09 Jun 2024 03:47
 Operator : MA/JU
 Sample : P2640-17DL 5X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C41DL

Quant Time: Jun 10 01:31:46 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)

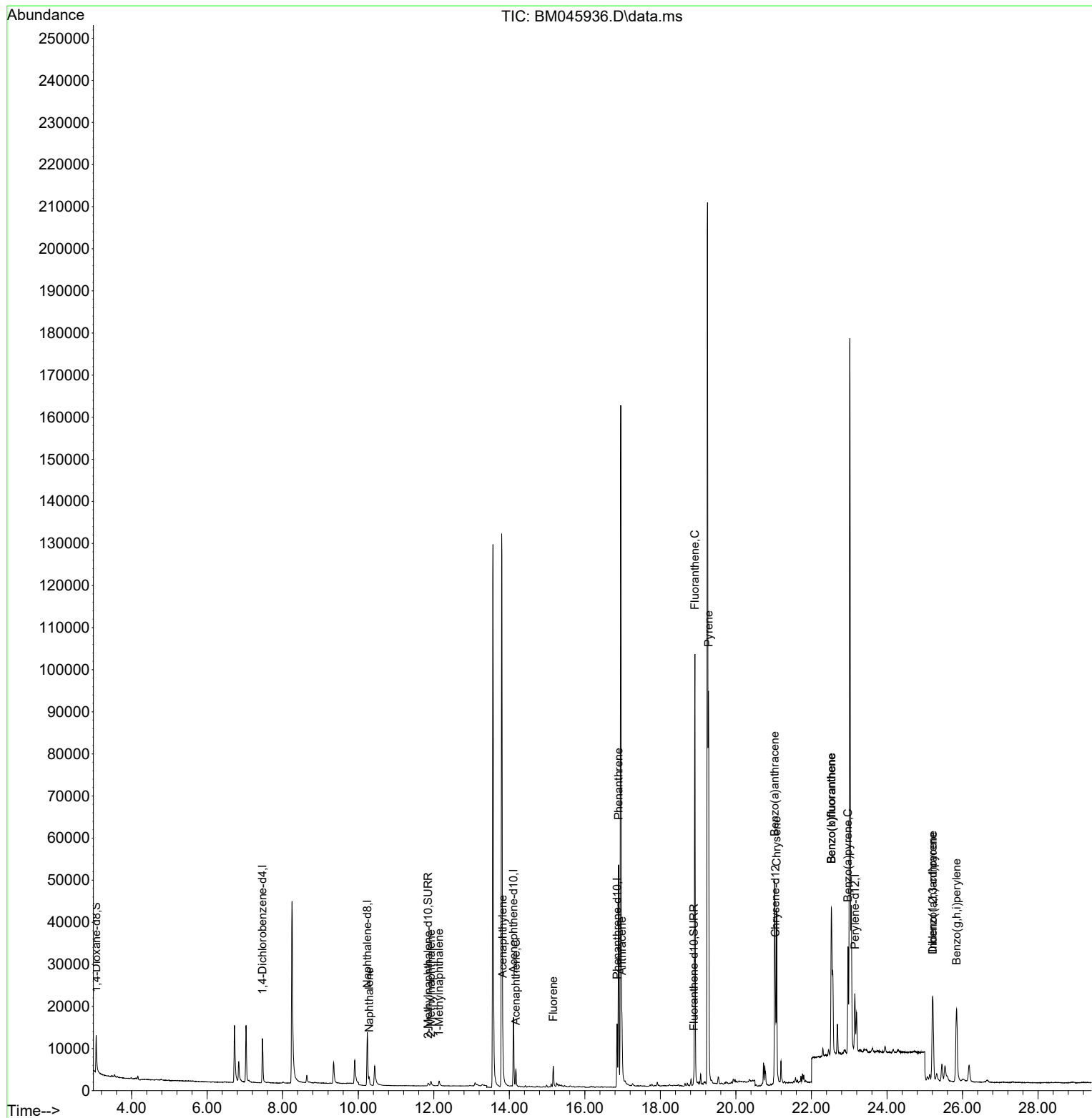
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	5779	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.242	136	18474	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.112	164	9544	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.853	188	17594	0.400	ng/ul	-0.01
17) Chrysene-d12	21.044	240	13951	0.400	ng/ul	0.00
23) Perylene-d12	23.151	264	18073	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	5723	0.869	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.848	152	1321	0.050	ng/ul	0.00
18) Fluoranthene-d10	18.885	212	2277	0.055	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.286	128	2343	0.049	ng/ul#	89
7) 2-Methylnaphthalene	11.925	142	1153	0.037	ng/ul	98
8) 1-Methylnaphthalene	12.139	142	1052	0.031	ng/ul	97
10) Acenaphthylene	13.825	152	5458	0.126	ng/ul	97
11) Acenaphthene	14.172	153	2532	0.079	ng/ul	97
12) Fluorene	15.162	166	3440	0.096	ng/ul	97
15) Phenanthrene	16.895	178	54992	1.113	ng/ul	99
16) Anthracene	16.984	178	10869	0.258	ng/ul	97
19) Fluoranthene	18.912	202	88247	1.586	ng/ul	97
20) Pyrene	19.275	202	80812	1.393	ng/ul	96
21) Benzo(a)anthracene	21.026	228	38643	0.755	ng/ul	97
22) Chrysene	21.076	228	41840	0.750	ng/ul	98
24) Benzo(b)fluoranthene	22.528	252	77996	1.301	ng/ul	92
25) Benzo(k)fluoranthene	22.528	252	77996	1.184	ng/ul	93
26) Benzo(a)pyrene	22.967	252	31115	0.522	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.209	276	31472	0.408	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.216	278	7038	0.114	ng/ul#	79
29) Benzo(g,h,i)perylene	25.843	276	33793	0.508	ng/ul	98

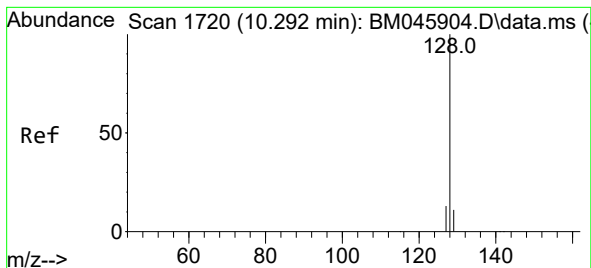
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.049 ng/ul

RT: 10.286 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM045936.D

Acq: 09 Jun 2024 03:47

Instrument :

BNA_M

ClientSampleId :

A4C41DL

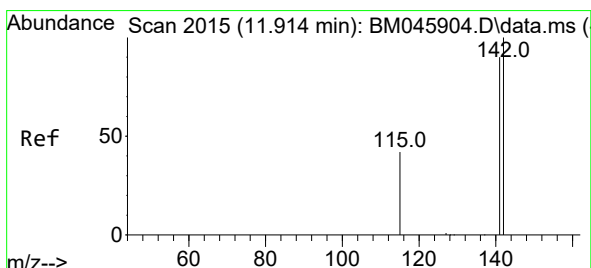
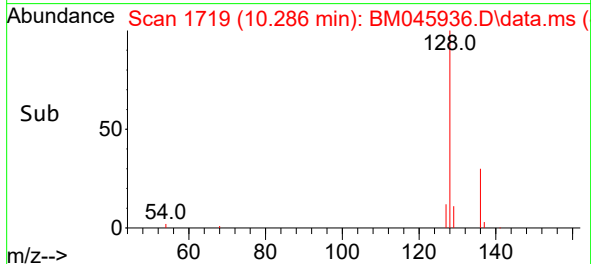
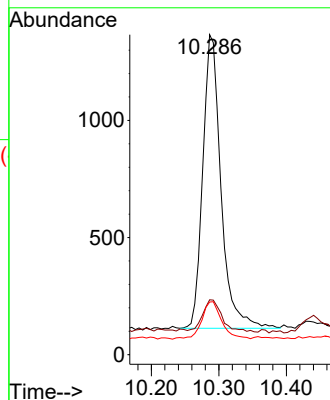
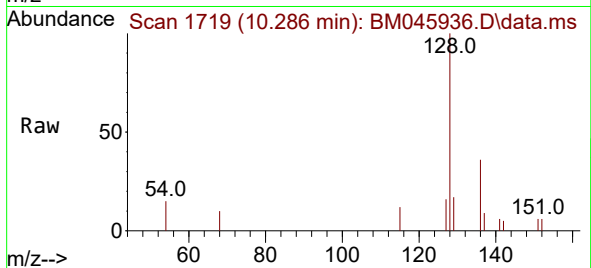
Tgt Ion:128 Resp: 2343

Ion Ratio Lower Upper

128 100

129 17.1 9.4 14.0#

127 16.5 10.6 15.8#



#7

2-Methylnaphthalene

Concen: 0.037 ng/ul

RT: 11.925 min Scan# 2017

Delta R.T. 0.005 min

Lab File: BM045936.D

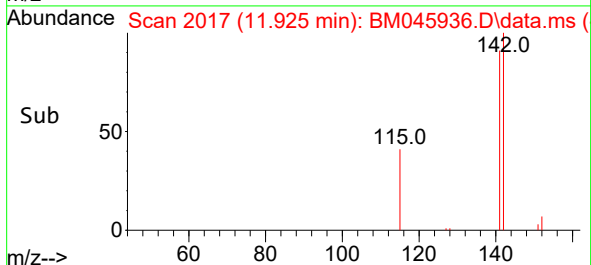
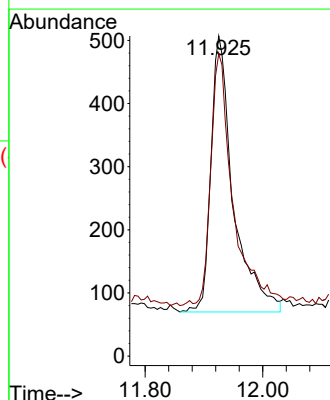
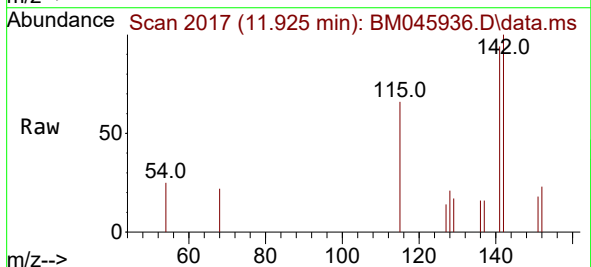
Acq: 09 Jun 2024 03:47

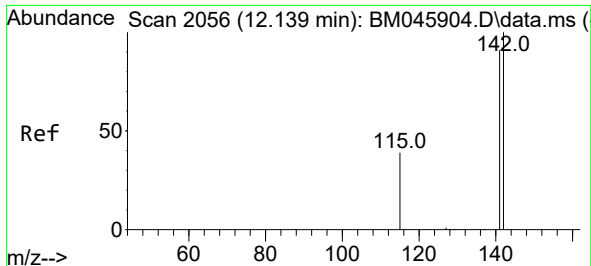
Tgt Ion:142 Resp: 1153

Ion Ratio Lower Upper

142 100

141 88.0 72.2 108.4

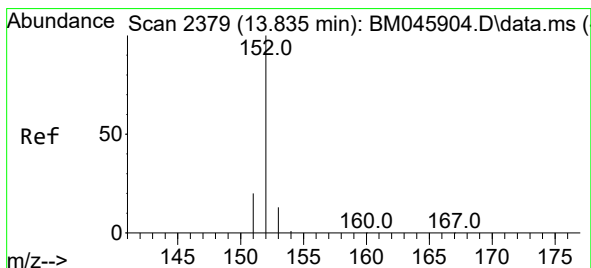
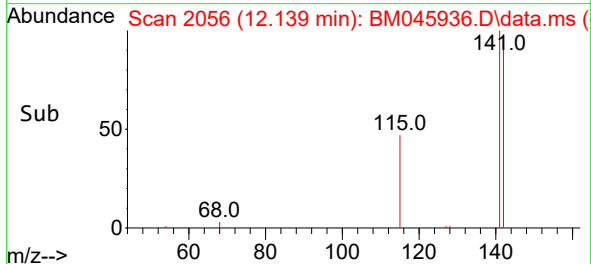
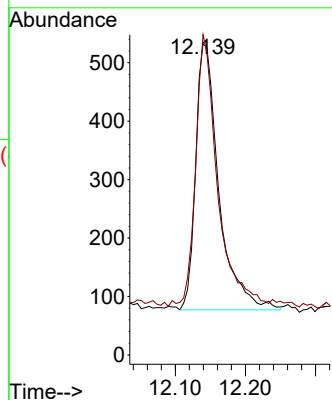
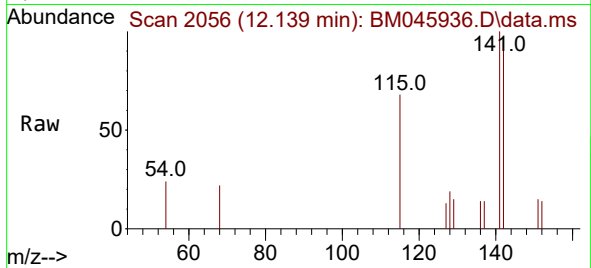




#8
1-Methylnaphthalene
Concen: 0.031 ng/ul
RT: 12.139 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

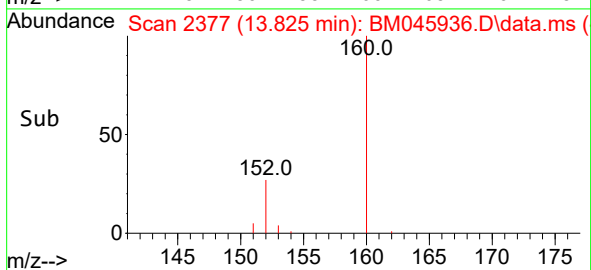
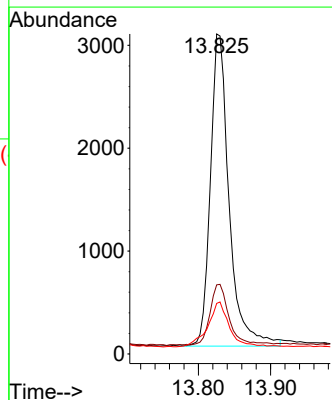
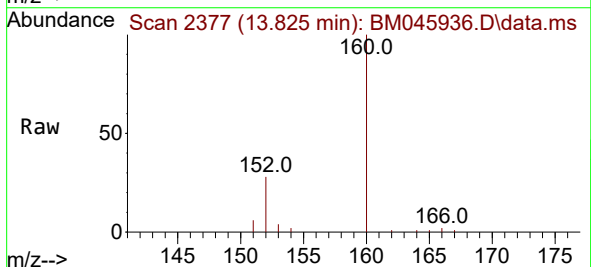
Instrument :
BNA_M
ClientSampleId :
A4C41DL

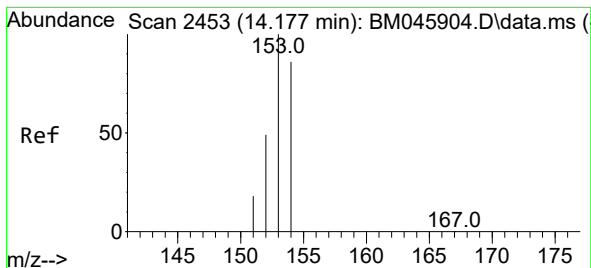
Tgt Ion:142 Resp: 1052
Ion Ratio Lower Upper
142 100
141 94.3 73.5 110.3



#10
Acenaphthylene
Concen: 0.126 ng/ul
RT: 13.825 min Scan# 2377
Delta R.T. -0.014 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Tgt Ion:152 Resp: 5458
Ion Ratio Lower Upper
152 100
151 21.6 16.4 24.6
153 15.8 11.1 16.7





#11

Acenaphthene

Concen: 0.079 ng/ul

RT: 14.172 min Scan# 2453

Delta R.T. -0.009 min

Lab File: BM045936.D

Acq: 09 Jun 2024 03:47

Instrument :

BNA_M

ClientSampleId :

A4C41DL

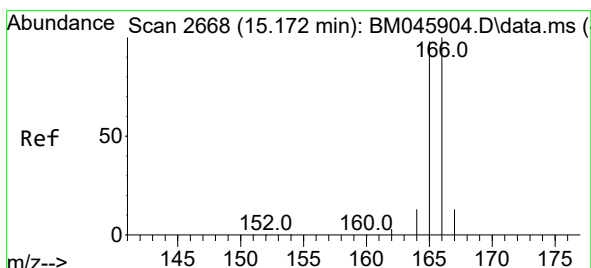
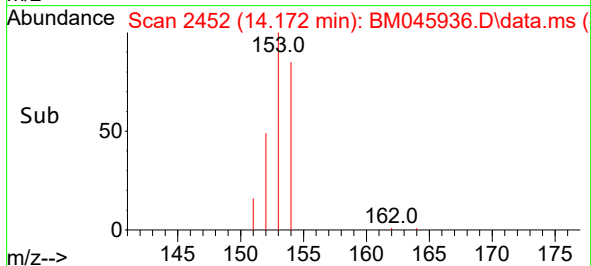
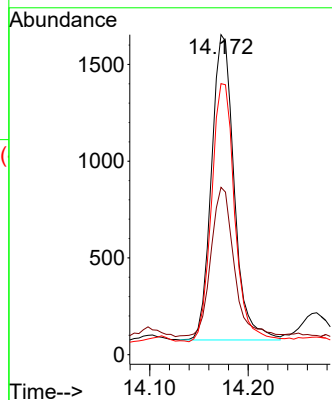
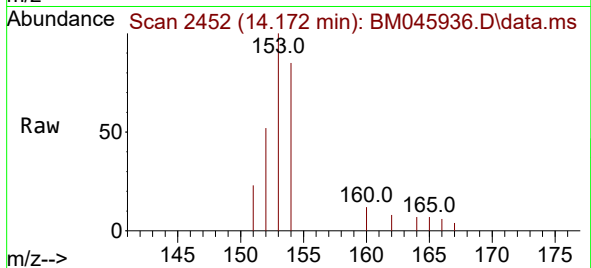
Tgt Ion:153 Resp: 2532

Ion Ratio Lower Upper

153 100

152 52.3 39.0 58.4

154 84.7 69.4 104.2



#12

Fluorene

Concen: 0.096 ng/ul

RT: 15.162 min Scan# 2666

Delta R.T. -0.014 min

Lab File: BM045936.D

Acq: 09 Jun 2024 03:47

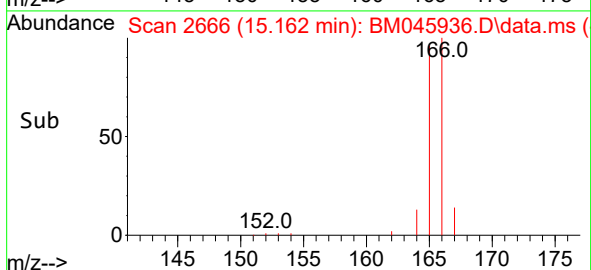
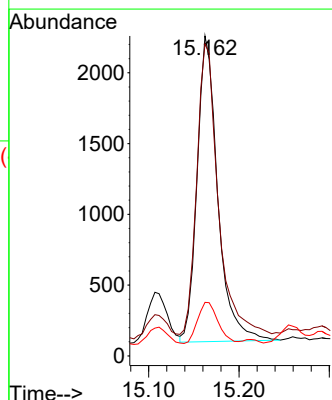
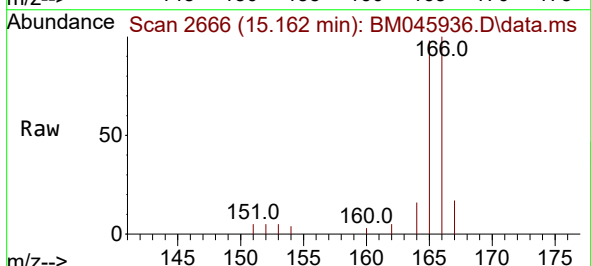
Tgt Ion:166 Resp: 3440

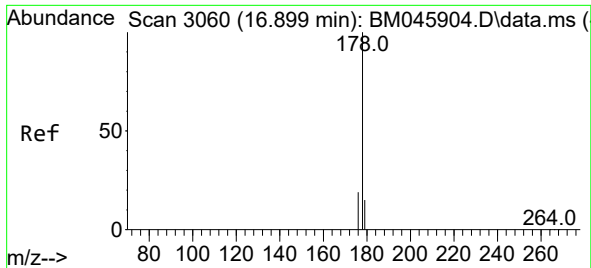
Ion Ratio Lower Upper

166 100

165 97.5 79.7 119.5

167 16.7 11.3 16.9

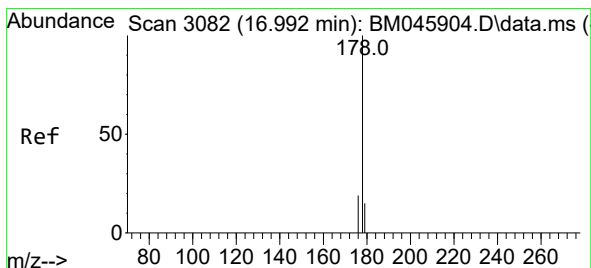
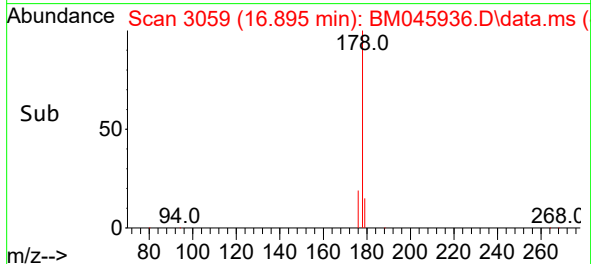
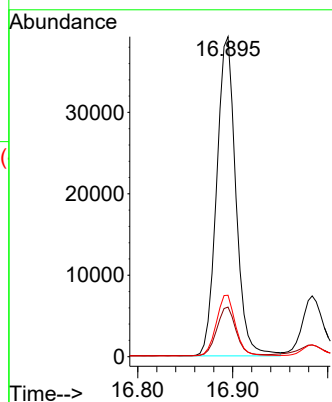
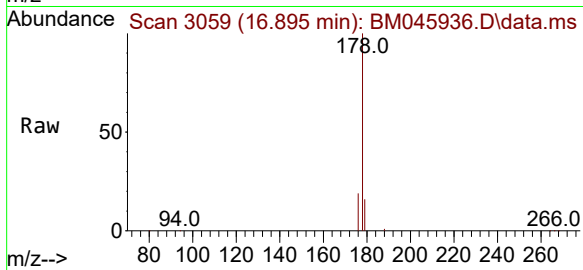




#15
Phenanthrene
Concen: 1.113 ng/ul
RT: 16.895 min Scan# 3060
Delta R.T. -0.008 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

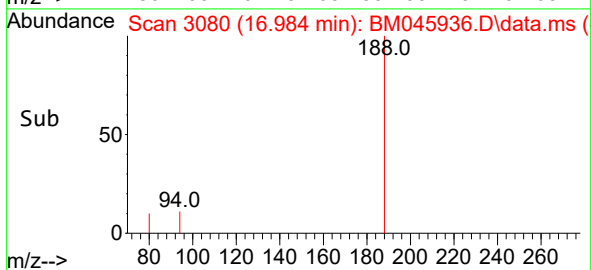
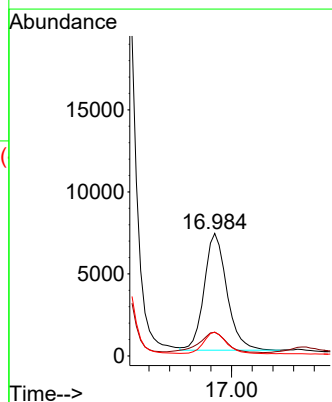
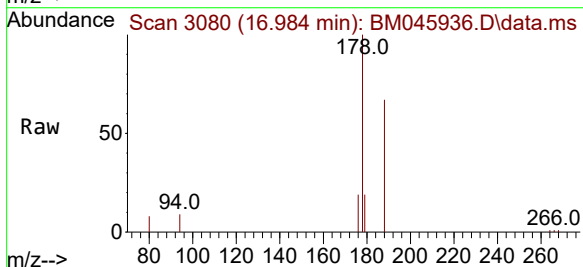
Instrument :
BNA_M
ClientSampleId :
A4C41DL

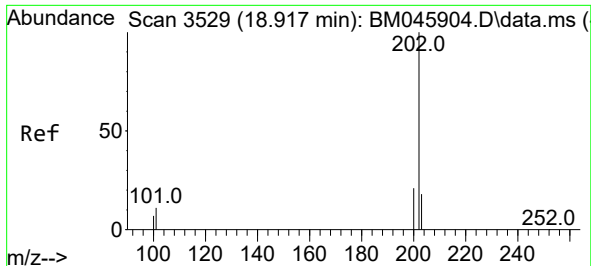
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.7	19.1
176	19.2	15.6	23.4



#16
Anthracene
Concen: 0.258 ng/ul
RT: 16.984 min Scan# 3080
Delta R.T. -0.013 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.3	13.1	19.7
176	19.4	15.5	23.3

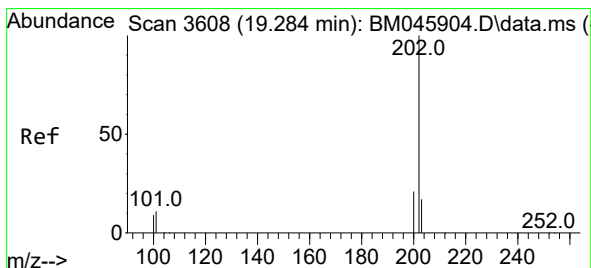
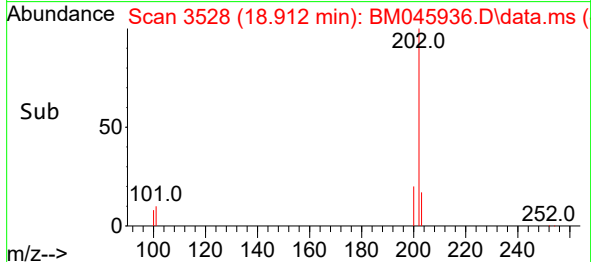
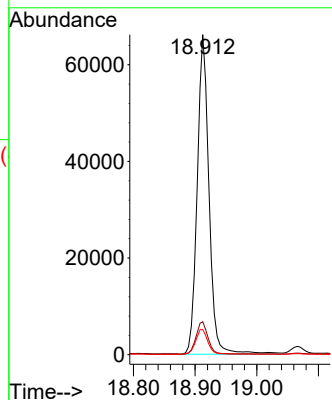
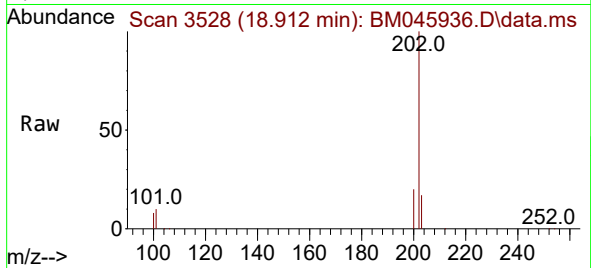




#19
Fluoranthene
Concen: 1.586 ng/ul
RT: 18.912 min Scan# 3528
Delta R.T. -0.009 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

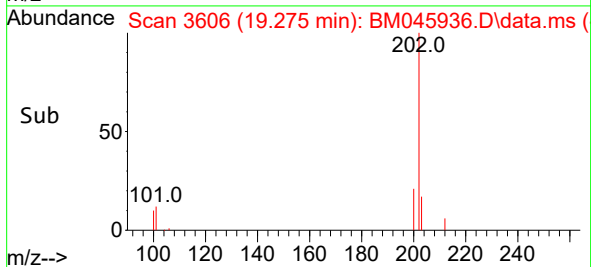
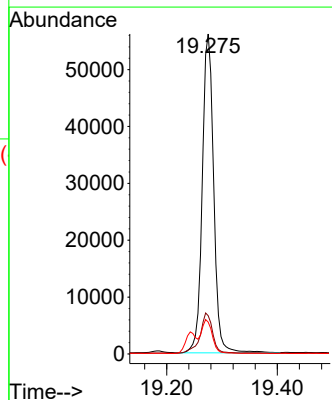
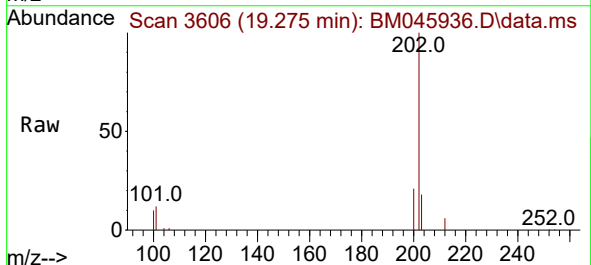
Instrument :
BNA_M
ClientSampleId :
A4C41DL

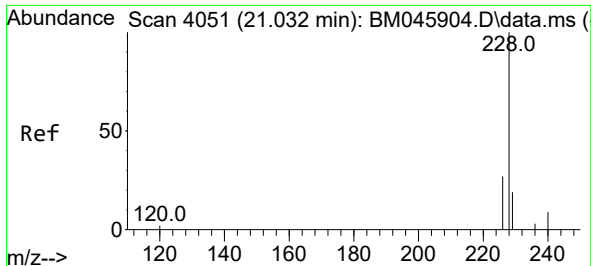
Tgt Ion:202 Resp: 88247
Ion Ratio Lower Upper
202 100
101 10.3 9.0 13.6
100 7.9 7.0 10.6



#20
Pyrene
Concen: 1.393 ng/ul
RT: 19.275 min Scan# 3606
Delta R.T. -0.009 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Tgt Ion:202 Resp: 80812
Ion Ratio Lower Upper
202 100
101 12.0 10.6 16.0
100 10.0 9.1 13.7

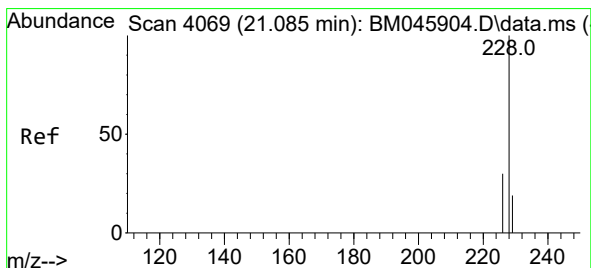
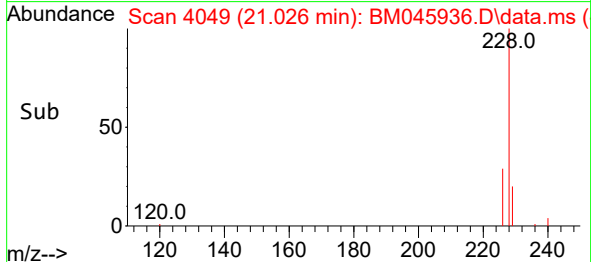
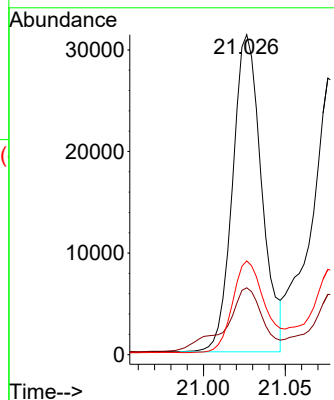
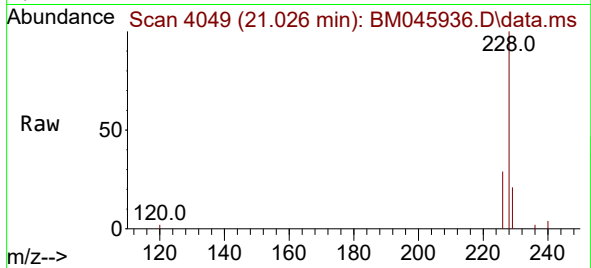




#21
Benzo(a)anthracene
Concen: 0.755 ng/ul
RT: 21.026 min Scan# 4051
Delta R.T. -0.009 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

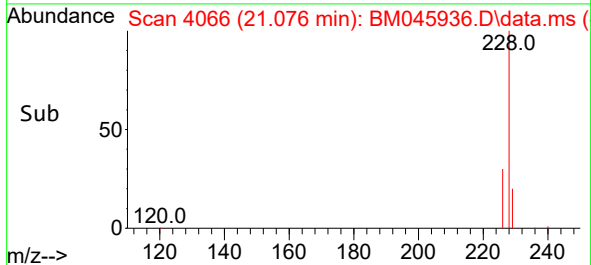
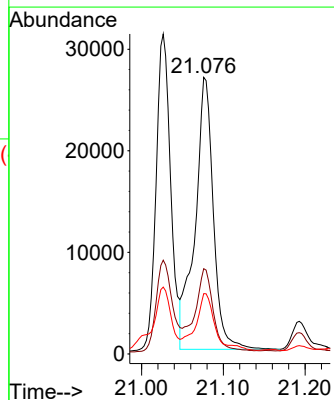
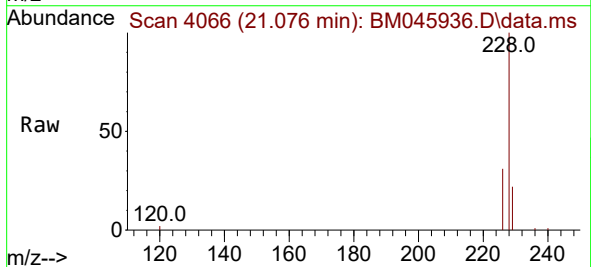
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BNA_M
ClientSampleId :
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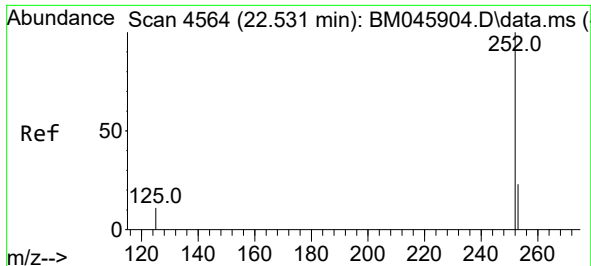
Tgt Ion:228 Resp: 38643
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 29.3 22.0 33.0



#22
Chrysene
Concen: 0.750 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.012 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

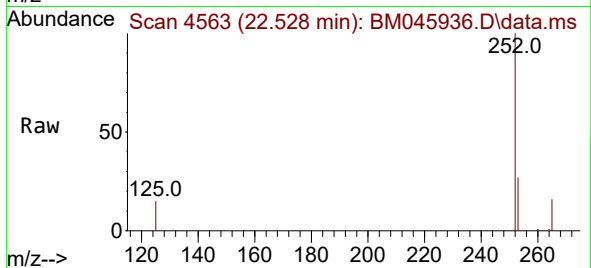
Tgt Ion:228 Resp: 41840
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 21.8 16.2 24.2



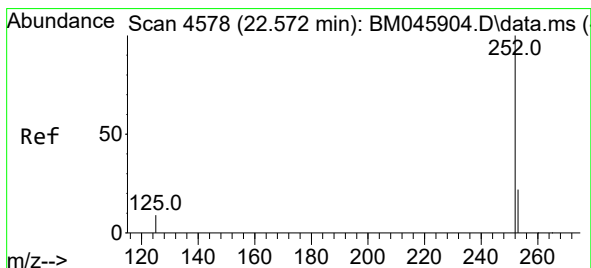
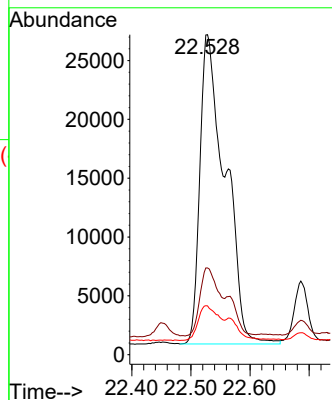


#24
Benzo(b)fluoranthene
Concen: 1.301 ng/ul
RT: 22.528 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Instrument :
BNA_M
ClientSampleId :
A4C41DL

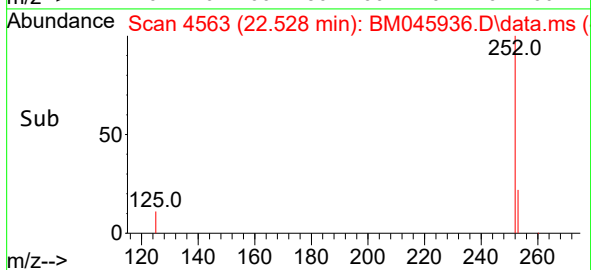
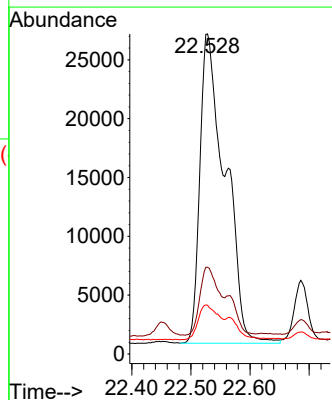
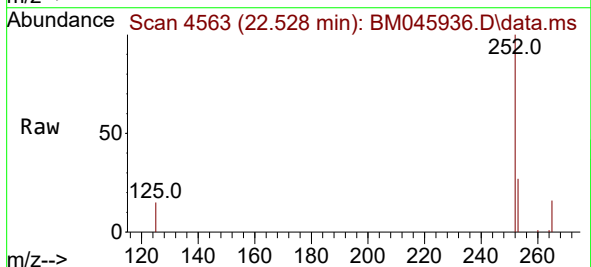


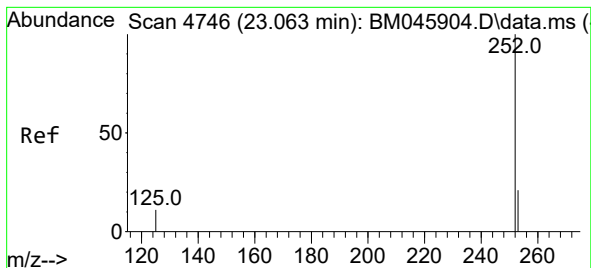
Tgt Ion:252 Resp: 77996
Ion Ratio Lower Upper
252 100
253 27.1 0.0 63.6
125 15.3 0.0 35.8



#25
Benzo(k)fluoranthene
Concen: 1.184 ng/ul
RT: 22.528 min Scan# 4563
Delta R.T. -0.053 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Tgt Ion:252 Resp: 77996
Ion Ratio Lower Upper
252 100
253 27.1 25.0 37.6
125 15.3 14.2 21.2





#26

Benzo(a)pyrene

Concen: 0.522 ng/ul

RT: 22.967 min Scan# 4713

Delta R.T. -0.105 min

Lab File: BM045936.D

Acq: 09 Jun 2024 03:47

Instrument :

BNA_M

ClientSampleId :

A4C41DL

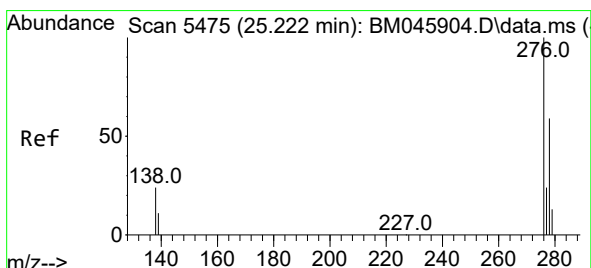
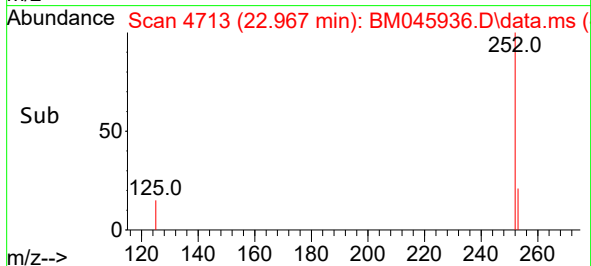
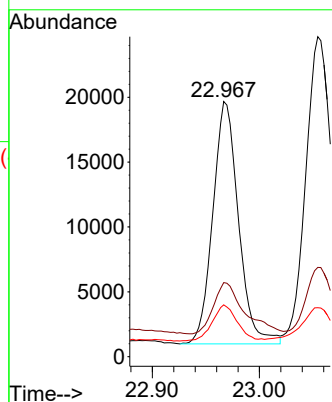
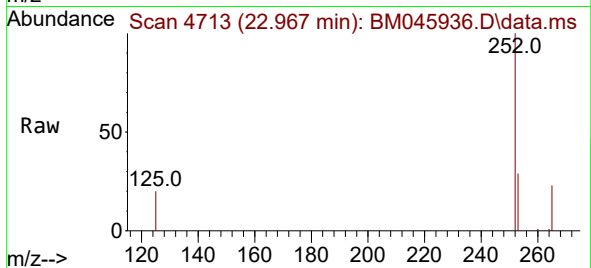
Tgt Ion:252 Resp: 31115

Ion Ratio Lower Upper

252 100

253 29.0 28.8 43.2

125 20.3 17.3 25.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.408 ng/ul

RT: 25.209 min Scan# 5471

Delta R.T. -0.023 min

Lab File: BM045936.D

Acq: 09 Jun 2024 03:47

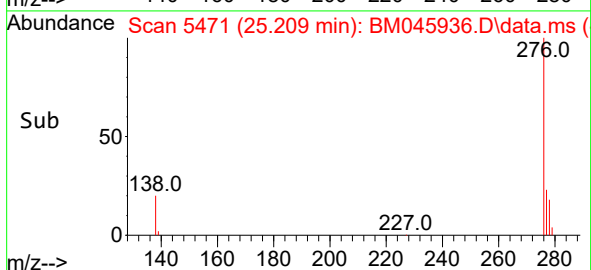
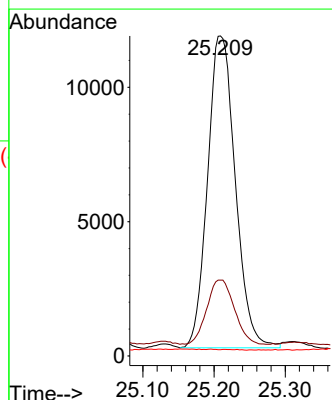
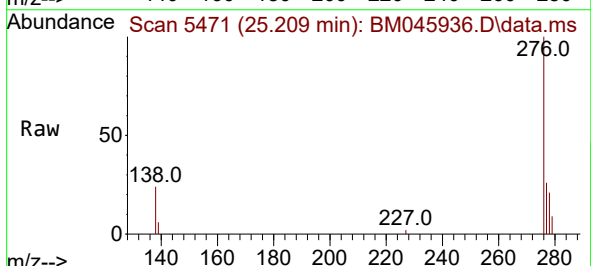
Tgt Ion:276 Resp: 31472

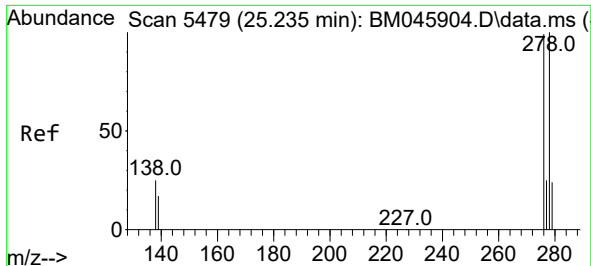
Ion Ratio Lower Upper

276 100

138 20.7 20.7 31.1

227 0.0 0.2 0.2#

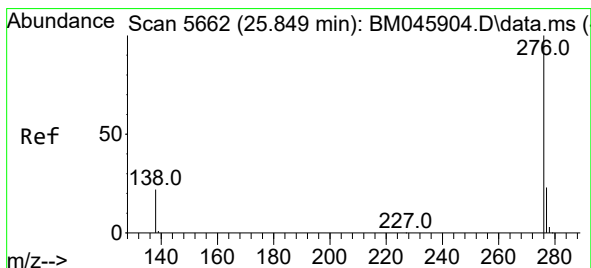
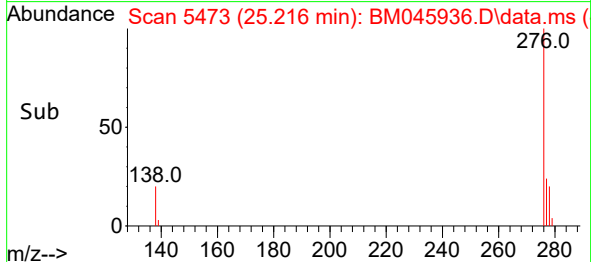
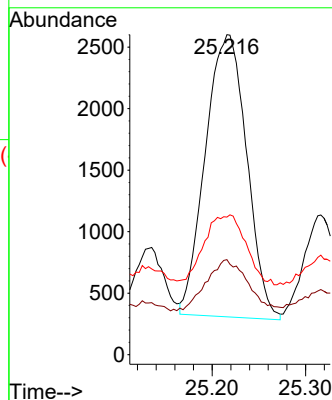
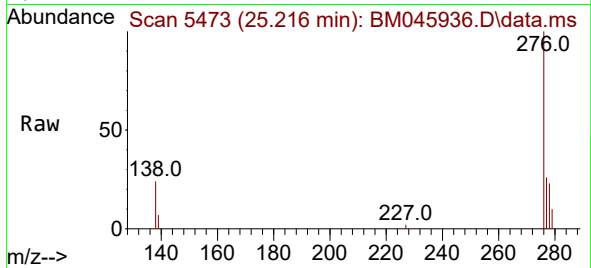




#28
Dibenzo(a,h)anthracene
Concen: 0.114 ng/ul
RT: 25.216 min Scan# 5473
Delta R.T. -0.033 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Instrument :
BNA_M
ClientSampleId :
A4C41DL

Tgt Ion:278 Resp: 7038
Ion Ratio Lower Upper
278 100
139 29.7 16.6 25.0#
279 43.0 24.6 37.0#



#29
Benzo(g,h,i)perylene
Concen: 0.508 ng/ul
RT: 25.843 min Scan# 5660
Delta R.T. -0.020 min
Lab File: BM045936.D
Acq: 09 Jun 2024 03:47

Tgt Ion:276 Resp: 33793
Ion Ratio Lower Upper
276 100
138 24.3 21.0 31.4
277 25.1 20.5 30.7

