

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045934.D
 Acq On : 09 Jun 2024 02:34
 Operator : MA/JU
 Sample : P2640-12DL 5X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C26DL

Quant Time: Jun 10 01:31:25 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

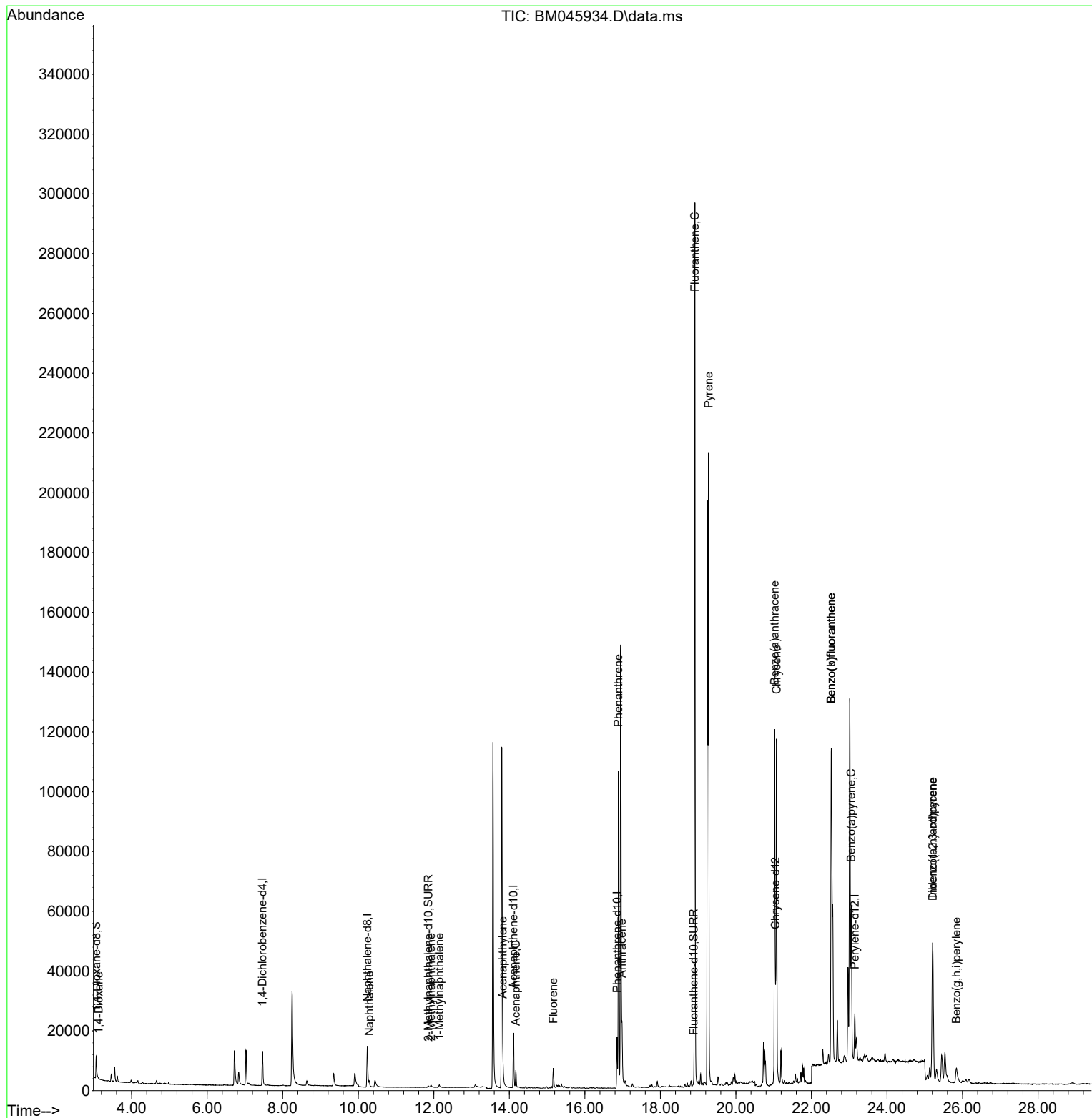
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.464	152	6350	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.242	136	20048	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.112	164	10461	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.853	188	19985	0.400	ng/ul	-0.01
17) Chrysene-d12	21.044	240	16100	0.400	ng/ul	0.00
23) Perylene-d12	23.148	264	19790	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	4920	0.680	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.854	152	1166	0.040	ng/ul	0.00
18) Fluoranthene-d10	18.880	212	2220	0.046	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.126	88	176	0.021	ng/ul#	63
5) Naphthalene	10.286	128	2498	0.048	ng/ul#	89
7) 2-Methylnaphthalene	11.925	142	903	0.027	ng/ul	99
8) 1-Methylnaphthalene	12.145	142	813	0.022	ng/ul	96
10) Acenaphthylene	13.825	152	6117	0.129	ng/ul	97
11) Acenaphthene	14.172	153	3537	0.101	ng/ul	97
12) Fluorene	15.162	166	4633	0.119	ng/ul	98
15) Phenanthrene	16.891	178	111737	1.991	ng/ul	99
16) Anthracene	16.984	178	18591	0.388	ng/ul	97
19) Fluoranthene	18.913	202	249941	3.893	ng/ul	97
20) Pyrene	19.275	202	179621	2.682	ng/ul	96
21) Benzo(a)anthracene	21.026	228	98213	1.662	ng/ul	98
22) Chrysene	21.076	228	114654	1.782	ng/ul	99
24) Benzo(b)fluoranthene	22.525	252	219410	3.343	ng/ul	87
25) Benzo(k)fluoranthene	22.525	252	219410	3.042	ng/ul#	87
26) Benzo(a)pyrene	23.054	252	65808	1.008	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.209	276	65463	0.776	ng/ul	91
28) Dibenzo(a,h)anthracene	25.212	278	18704	0.277	ng/ul	97
29) Benzo(g,h,i)perylene	25.836	276	10471	0.144	ng/ul#	89

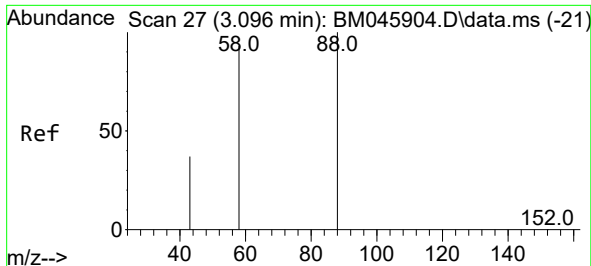
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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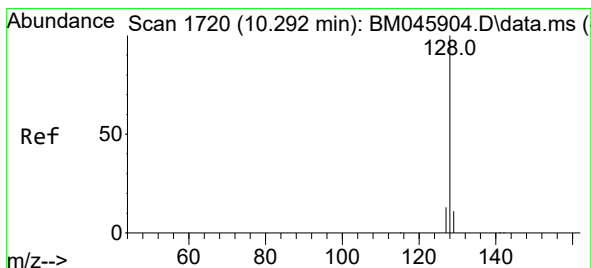
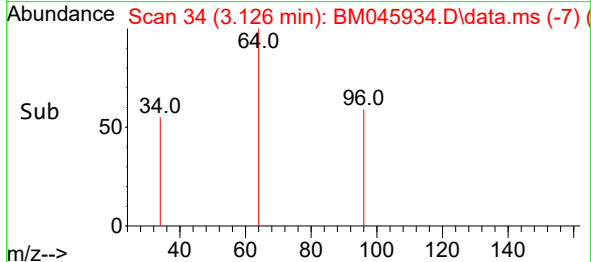
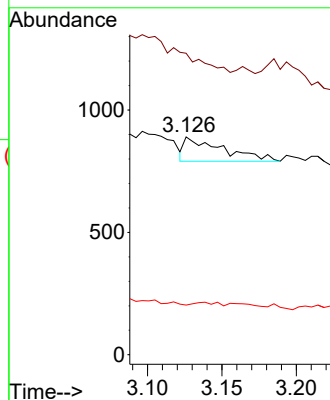
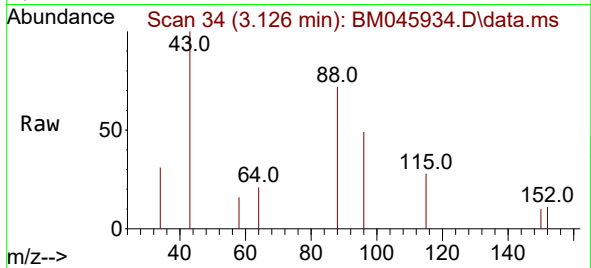




#2
1,4-Dioxane
Concen: 0.021 ng/ul
RT: 3.126 min Scan# 34
Delta R.T. 0.013 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

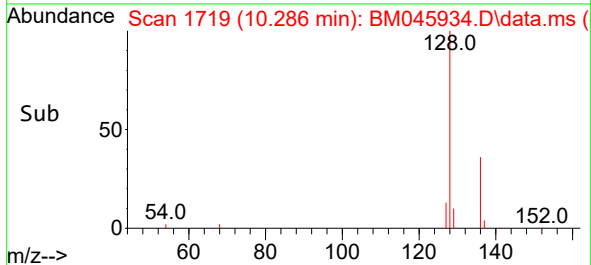
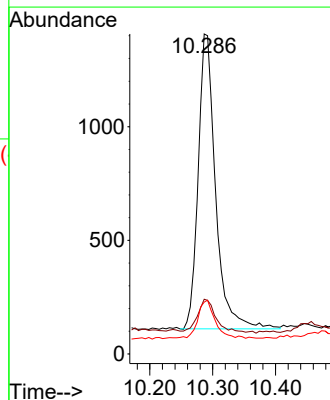
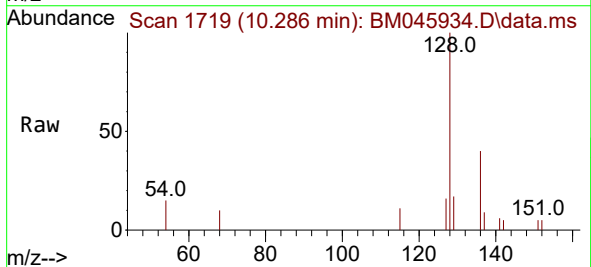
Instrument :
BNA_M
ClientSampleId :
A4C26DL

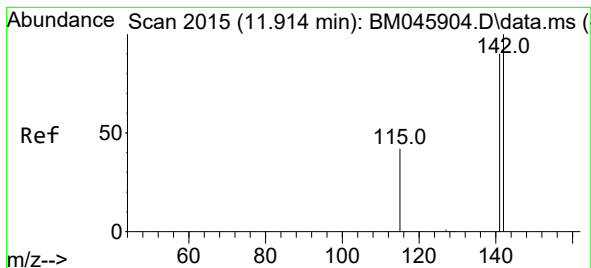
Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 138.4 87.4 131.2#
58 22.8 51.1 76.7#



#5
Naphthalene
Concen: 0.048 ng/ul
RT: 10.286 min Scan# 1719
Delta R.T. -0.017 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion: 128 Resp: 2498
Ion Ratio Lower Upper
128 100
129 17.1 9.4 14.0#
127 16.2 10.6 15.8#

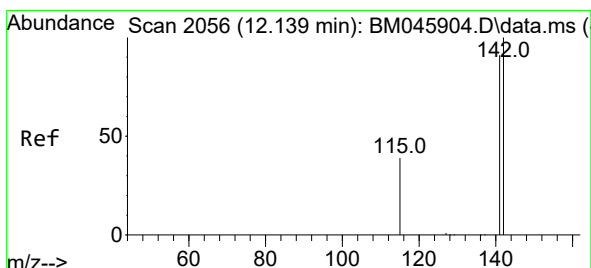
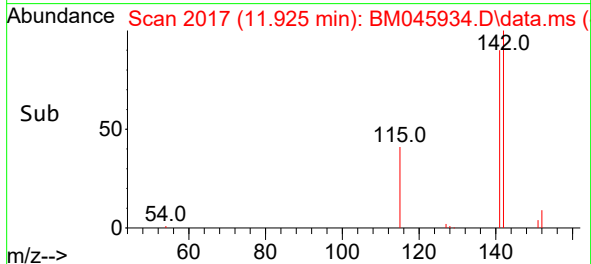
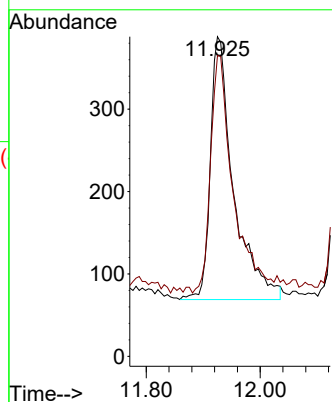
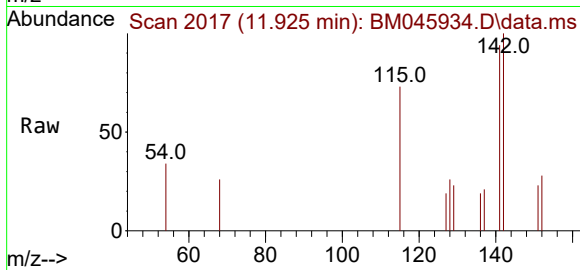




#7
2-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 11.925 min Scan# 2017
Delta R.T. 0.005 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

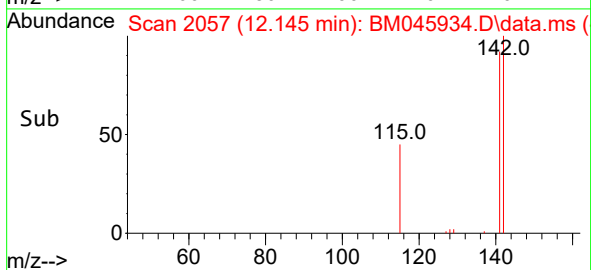
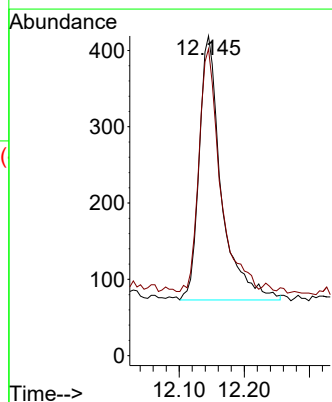
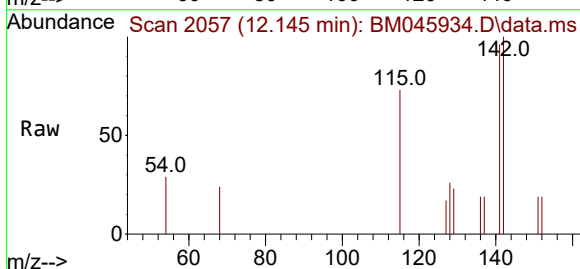
Instrument :
BNA_M
ClientSampleId :
A4C26DL

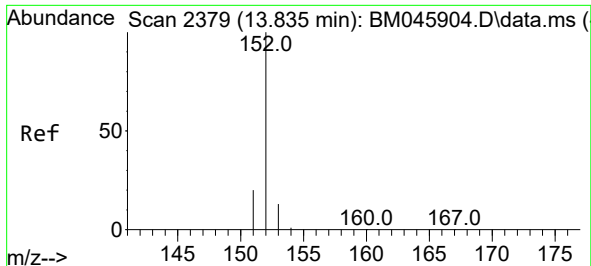
Tgt Ion:142 Resp: 903
Ion Ratio Lower Upper
142 100
141 89.1 72.2 108.4



#8
1-Methylnaphthalene
Concen: 0.022 ng/ul
RT: 12.145 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion:142 Resp: 813
Ion Ratio Lower Upper
142 100
141 88.4 73.5 110.3

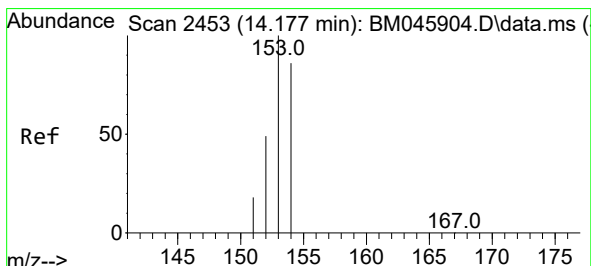
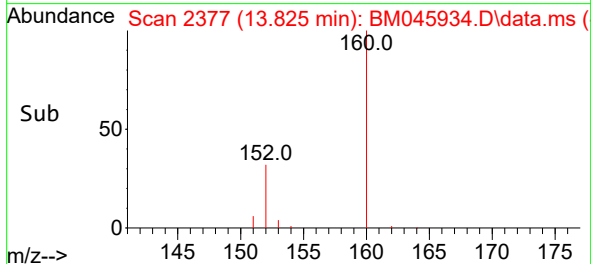
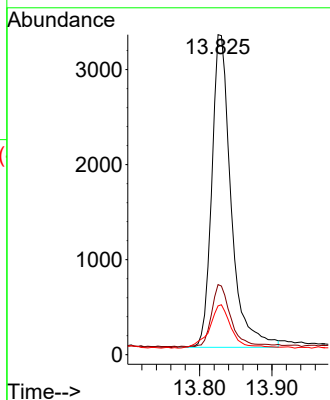
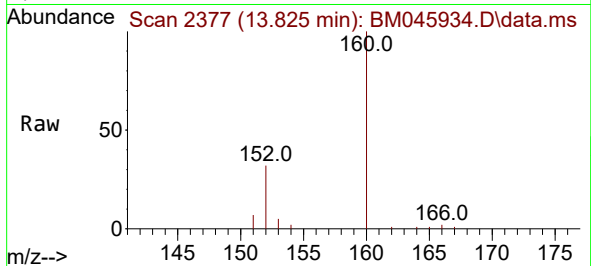




#10
Acenaphthylene
Concen: 0.129 ng/ul
RT: 13.825 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

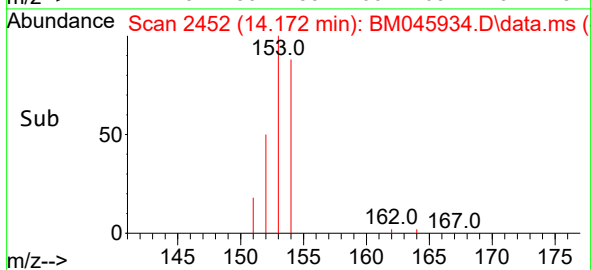
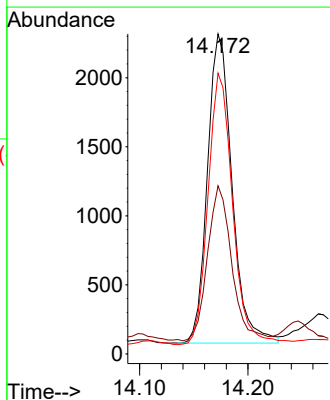
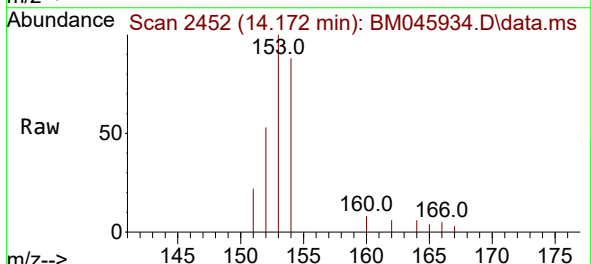
Instrument :
BNA_M
ClientSampleId :
A4C26DL

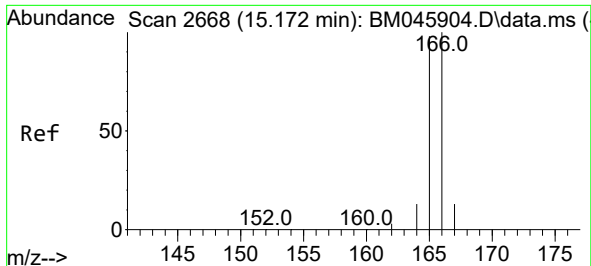
Tgt Ion:152 Resp: 6117
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 15.2 11.1 16.7



#11
Acenaphthene
Concen: 0.101 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion:153 Resp: 3537
Ion Ratio Lower Upper
153 100
152 52.5 39.0 58.4
154 87.7 69.4 104.2

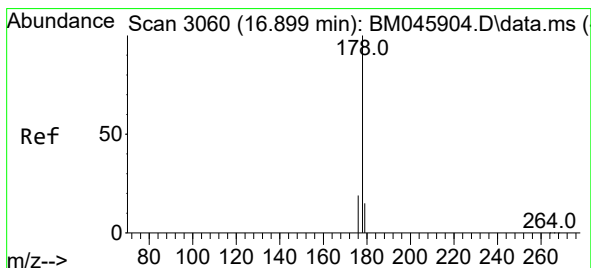
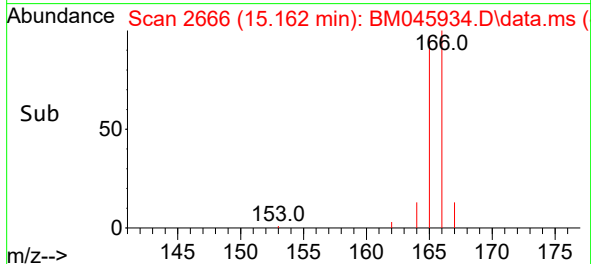
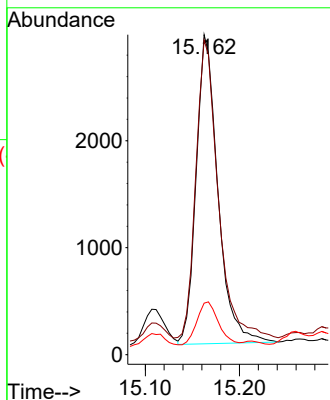
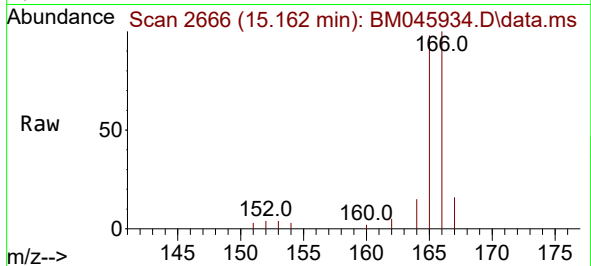




#12
Fluorene
Concen: 0.119 ng/ul
RT: 15.162 min Scan# 2
Delta R.T. -0.014 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

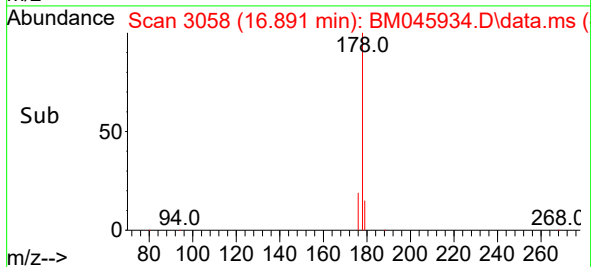
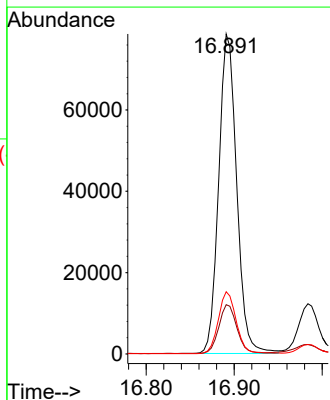
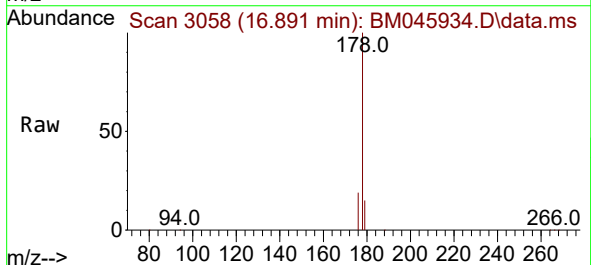
Instrument :
BNA_M
ClientSampleId :
A4C26DL

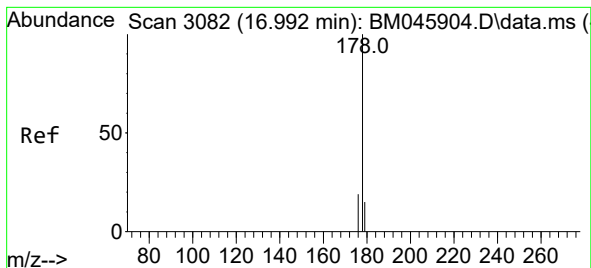
Tgt Ion:166 Resp: 4633
Ion Ratio Lower Upper
166 100
165 98.2 79.7 119.5
167 16.1 11.3 16.9



#15
Phenanthrene
Concen: 1.991 ng/ul
RT: 16.891 min Scan# 3058
Delta R.T. -0.013 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion:178 Resp: 111737
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.5 15.6 23.4





#16

Anthracene

Concen: 0.388 ng/ul

RT: 16.984 min Scan# 3080

Delta R.T. -0.013 min

Lab File: BM045934.D

Acq: 09 Jun 2024 02:34

Instrument :

BNA_M

ClientSampleId :

A4C26DL

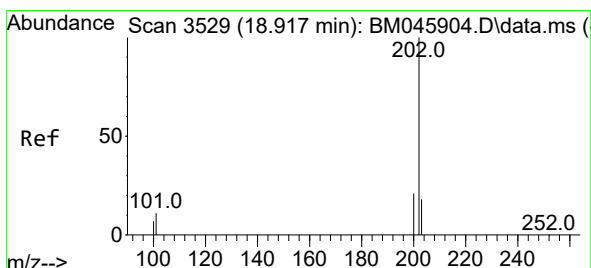
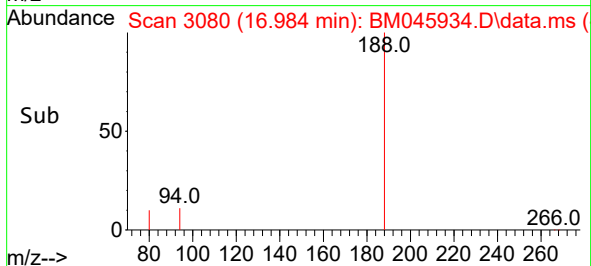
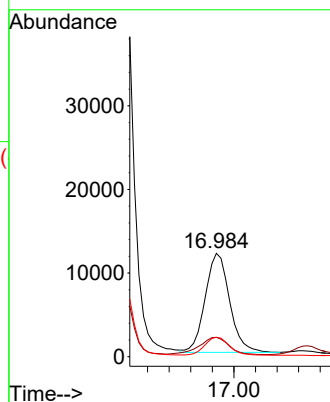
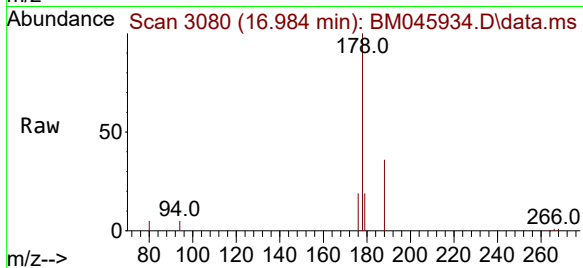
Tgt Ion:178 Resp: 18591

Ion Ratio Lower Upper

178 100

179 18.7 13.1 19.7

176 18.8 15.5 23.3



#19

Fluoranthene

Concen: 3.893 ng/ul

RT: 18.913 min Scan# 3528

Delta R.T. -0.009 min

Lab File: BM045934.D

Acq: 09 Jun 2024 02:34

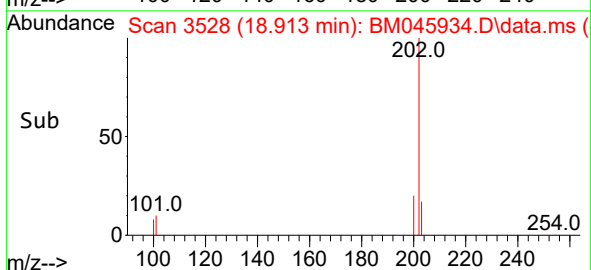
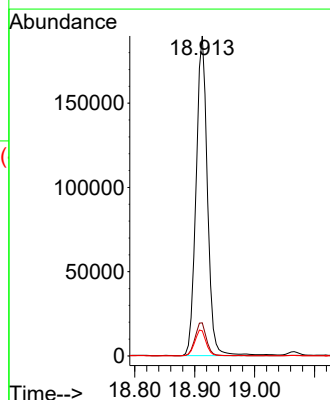
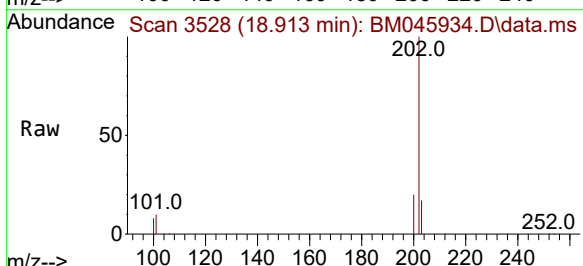
Tgt Ion:202 Resp: 249941

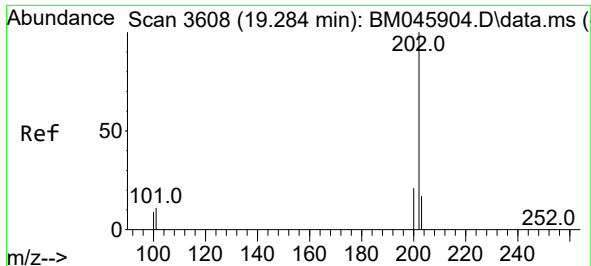
Ion Ratio Lower Upper

202 100

101 10.3 9.0 13.6

100 7.9 7.0 10.6

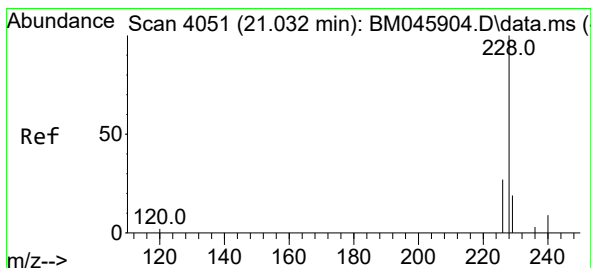
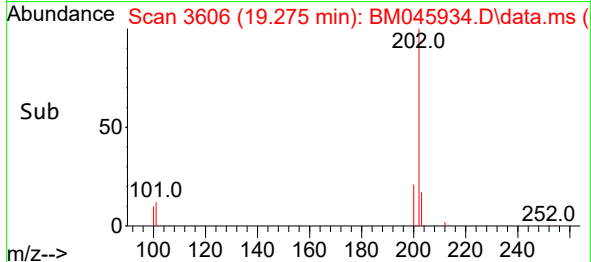
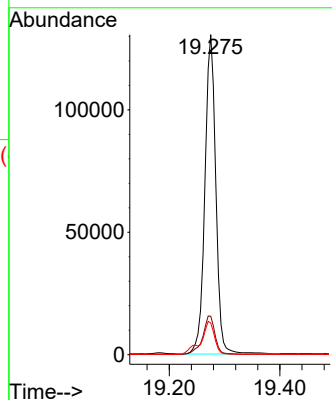
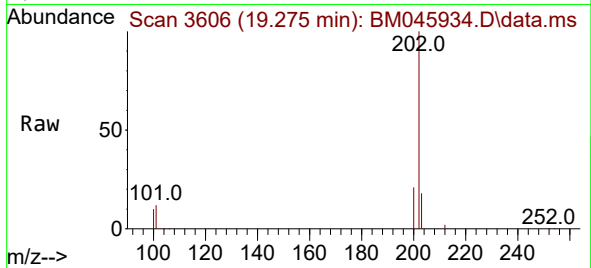




#20
Pyrene
Concen: 2.682 ng/ul
RT: 19.275 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

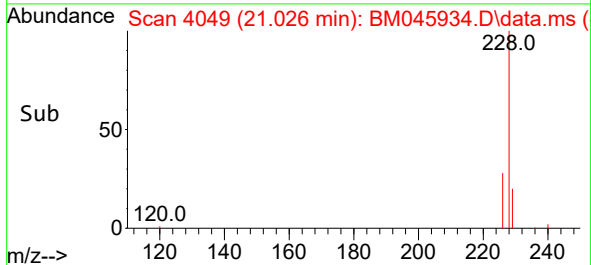
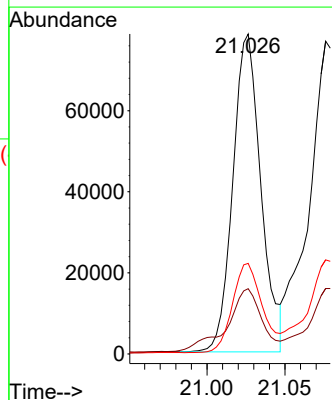
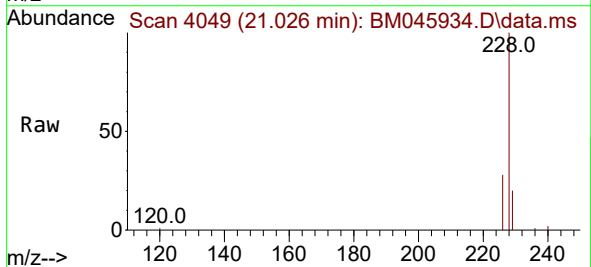
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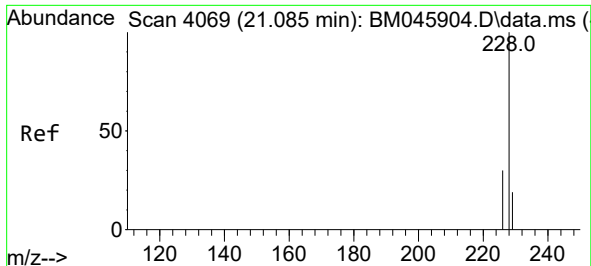
Tgt Ion:202 Resp: 179621
Ion Ratio Lower Upper
202 100
101 12.0 10.6 16.0
100 9.9 9.1 13.7



#21
Benzo(a)anthracene
Concen: 1.662 ng/ul
RT: 21.026 min Scan# 4049
Delta R.T. -0.009 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion:228 Resp: 98213
Ion Ratio Lower Upper
228 100
229 20.4 15.7 23.5
226 28.3 22.0 33.0





#22

Chrysene

Concen: 1.782 ng/ul

RT: 21.076 min Scan# 4066

Delta R.T. -0.012 min

Lab File: BM045934.D

Acq: 09 Jun 2024 02:34

Instrument :

BNA_M

ClientSampleId :

A4C26DL

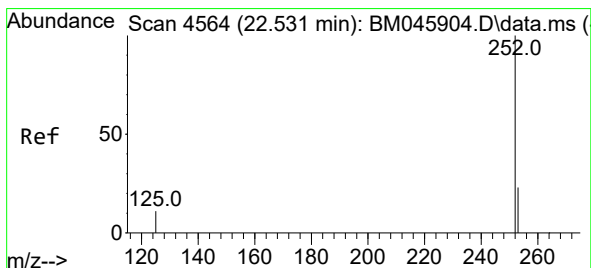
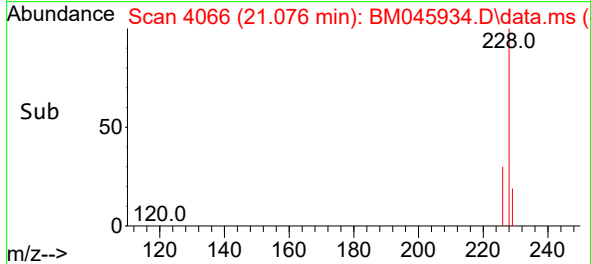
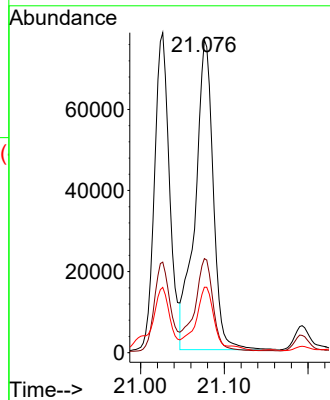
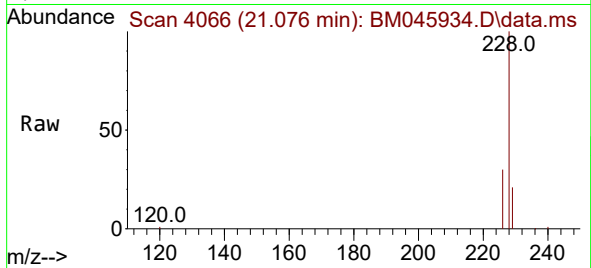
Tgt Ion:228 Resp: 114654

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 20.9 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 3.343 ng/ul

RT: 22.525 min Scan# 4562

Delta R.T. -0.012 min

Lab File: BM045934.D

Acq: 09 Jun 2024 02:34

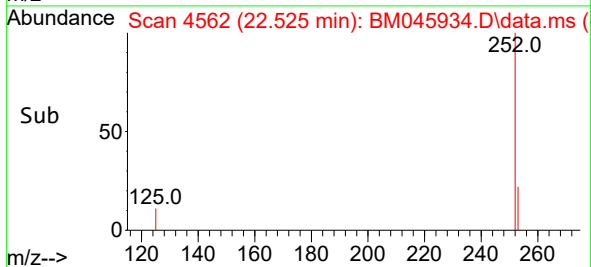
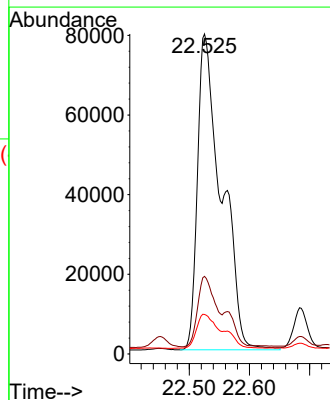
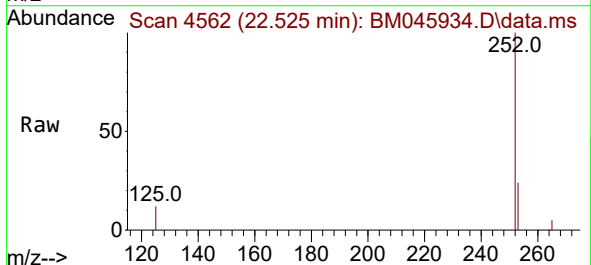
Tgt Ion:252 Resp: 219410

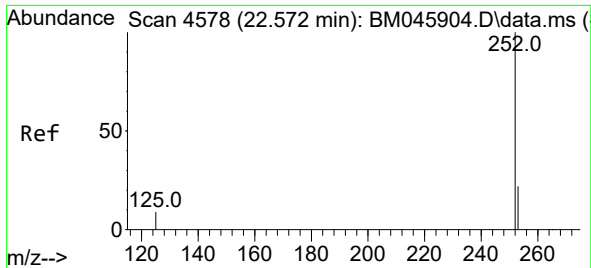
Ion Ratio Lower Upper

252 100

253 24.3 0.0 63.6

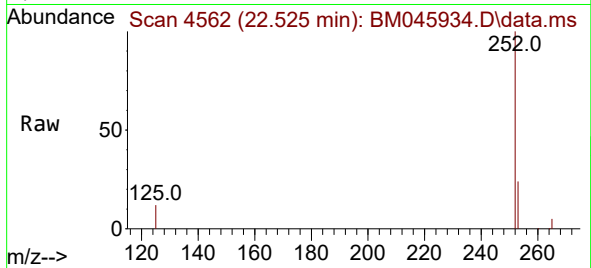
125 12.3 0.0 35.8



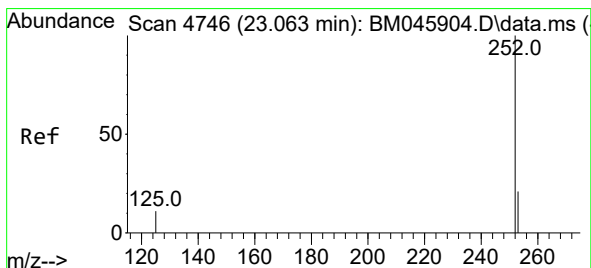
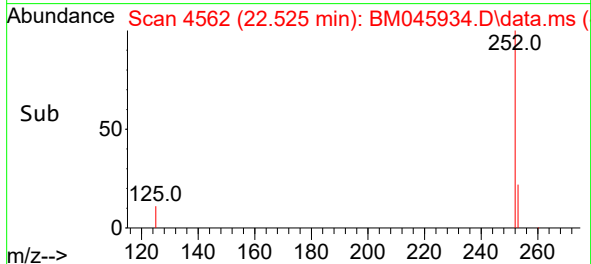
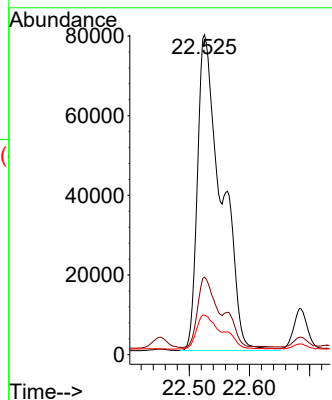


#25
Benzo(k)fluoranthene
Concen: 3.042 ng/ul
RT: 22.525 min Scan# 4562
Delta R.T. -0.056 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Instrument :
BNA_M
ClientSampleId :
A4C26DL

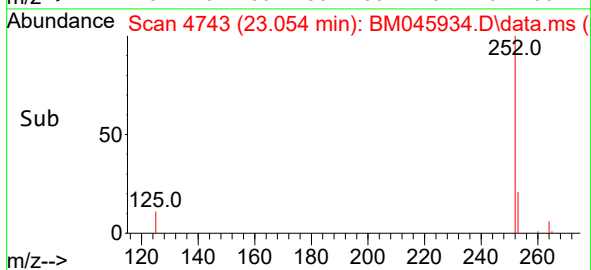
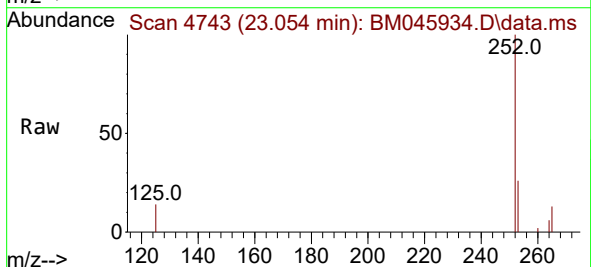
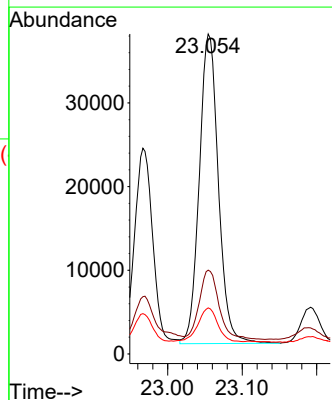


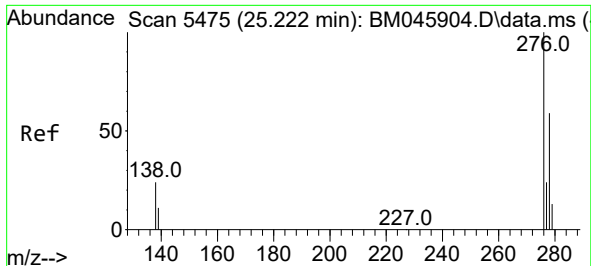
Tgt Ion:252 Resp: 219410
Ion Ratio Lower Upper
252 100
253 24.3 25.0 37.6#
125 12.3 14.2 21.2#



#26
Benzo(a)pyrene
Concen: 1.008 ng/ul
RT: 23.054 min Scan# 4743
Delta R.T. -0.018 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Tgt Ion:252 Resp: 65808
Ion Ratio Lower Upper
252 100
253 26.2 28.8 43.2#
125 14.4 17.3 25.9#

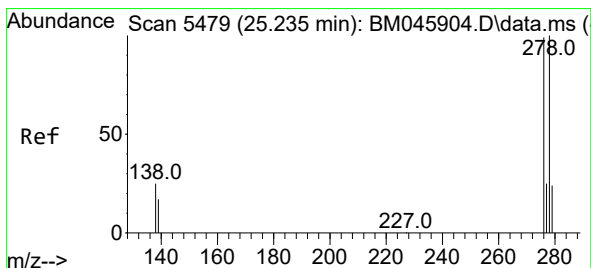
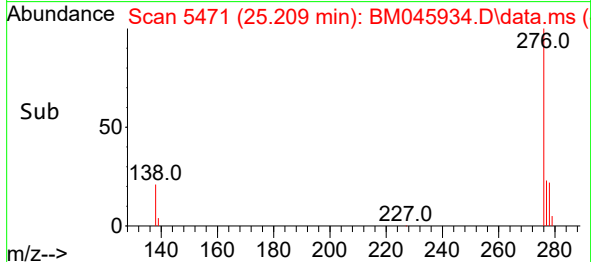
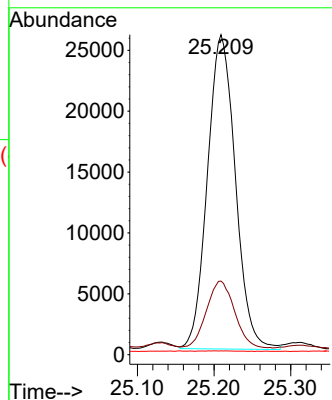
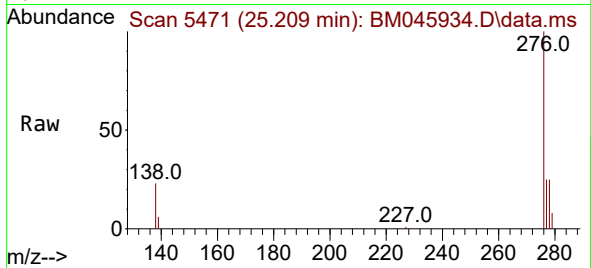




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.776 ng/ul
 RT: 25.209 min Scan# 5471
 Delta R.T. -0.023 min
 Lab File: BM045934.D
 Acq: 09 Jun 2024 02:34

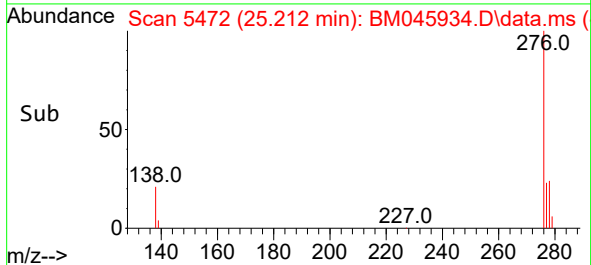
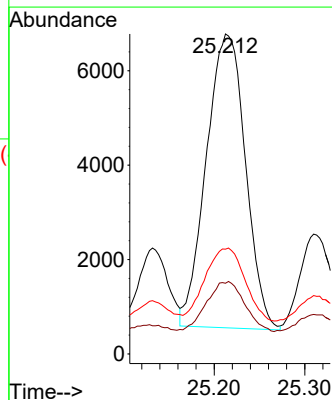
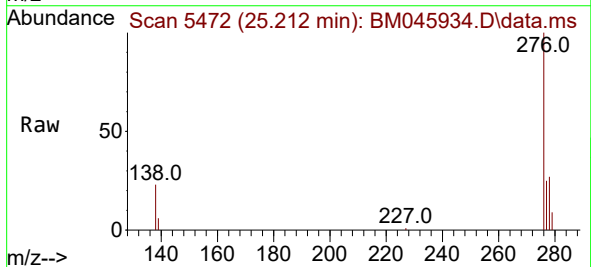
Instrument :
 BNA_M
 ClientSampleId :
 A4C26DL

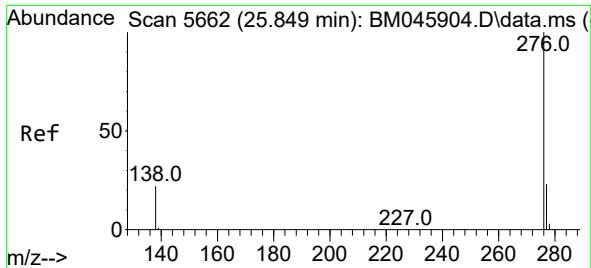
Tgt Ion:276 Resp: 65463
 Ion Ratio Lower Upper
 276 100
 138 21.3 20.7 31.1
 227 0.2 0.2 0.2



#28
 Dibenzo(a,h)anthracene
 Concen: 0.277 ng/ul
 RT: 25.212 min Scan# 5472
 Delta R.T. -0.036 min
 Lab File: BM045934.D
 Acq: 09 Jun 2024 02:34

Tgt Ion:278 Resp: 18704
 Ion Ratio Lower Upper
 278 100
 139 22.1 16.6 25.0
 279 32.7 24.6 37.0





#29
Benzo(g,h,i)perylene
Concen: 0.144 ng/ul
RT: 25.836 min Scan# 50
Delta R.T. -0.026 min
Lab File: BM045934.D
Acq: 09 Jun 2024 02:34

Instrument :
BNA_M
ClientSampleId :
A4C26DL

Tgt Ion:276 Resp: 10471
Ion Ratio Lower Upper
276 100
138 32.8 21.0 31.4#
277 30.2 20.5 30.7

