

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039854.D
 Acq On : 05 May 2023 20:33
 Operator : CG/JU
 Sample : 02479-02 DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW943DL

Quant Time: May 06 02:15:25 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 18:01:55 2023
 Response via : Initial Calibration

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

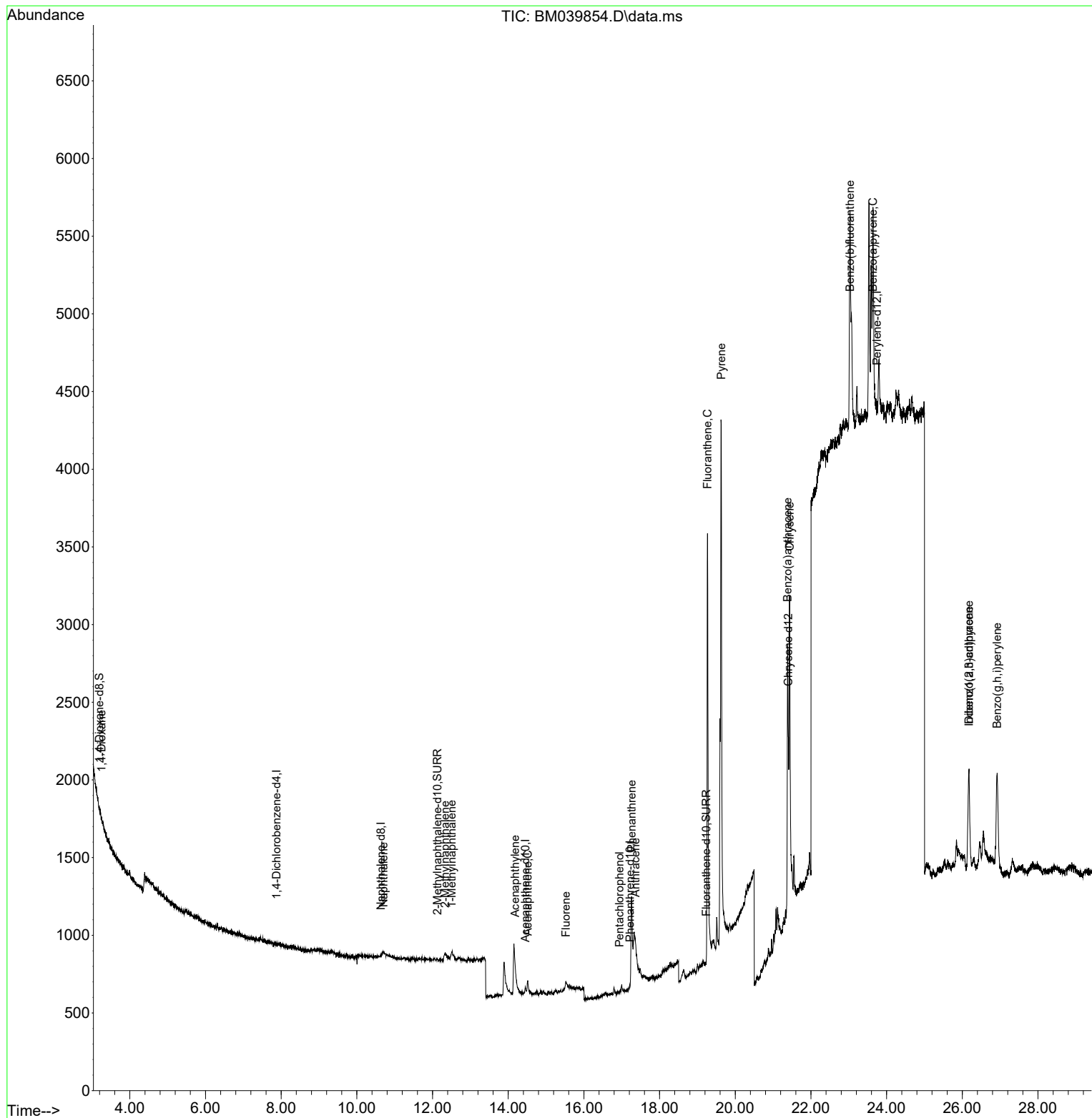
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	8	0.400	ng/ul	# 0.01
4) Naphthalene-d8	10.634	136	42	0.400	ng/ul	# 0.01
9) Acenaphthene-d10	14.451	164	26	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.217	188	30	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.399	240	128	0.400	ng/ul	# 0.00
23) Perylene-d12	23.743	264	27	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	18	1.527	ng/ul	0.01
6) 2-Methylnaphthalene-d10	12.129	152	5	0.093	ng/ul	-0.10
18) Fluoranthene-d10	19.234	212	20	0.058	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	14	1.146	ng/ul#	70
5) Naphthalene	10.705	128	104	0.986	ng/ul#	1
7) 2-Methylnaphthalene	12.333	142	128	2.103	ng/ul#	35
8) 1-Methylnaphthalene	12.503	142	110	1.685	ng/ul#	4
10) Acenaphthylene	14.178	152	240	2.385	ng/ul#	1
11) Acenaphthene	14.515	153	91	1.151	ng/ul#	79
12) Fluorene	15.524	166	102	1.163	ng/ul#	61
14) Pentachlorophenol	16.938	266	2	0.306	ng/ul#	66
15) Phenanthrene	17.259	178	2047	25.899	ng/ul#	70
16) Anthracene	17.360	178	346	5.098	ng/ul#	26
19) Fluoranthene	19.266	202	3449	7.553	ng/ul#	93
20) Pyrene	19.629	202	3804	7.714	ng/ul	94
21) Benzo(a)anthracene	21.382	228	2411	6.551	ng/ul#	75
22) Chrysene	21.434	228	2360	5.667	ng/ul#	81
24) Benzo(b)fluoranthene	23.033	252	2669	28.147	ng/ul#	27
26) Benzo(a)pyrene	23.638	252	1991	23.387	ng/ul#	28
27) Indeno(1,2,3-cd)pyrene	26.174	276	1150	10.683	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.177	278	435	5.206	ng/ul#	1
29) Benzo(g,h,i)perylene	26.922	276	1552	16.546	ng/ul#	45

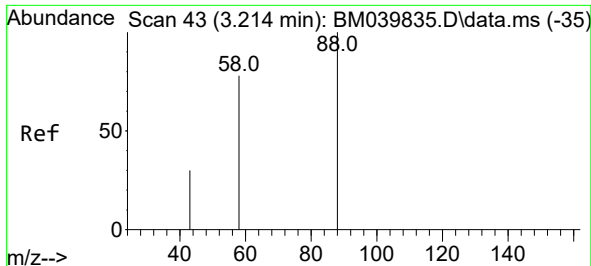
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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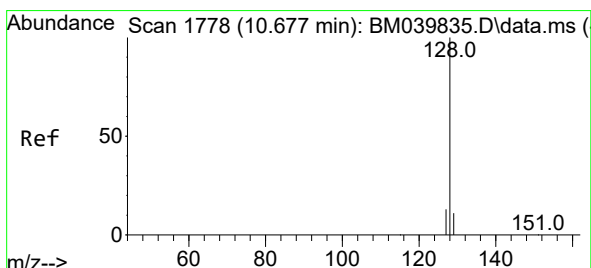
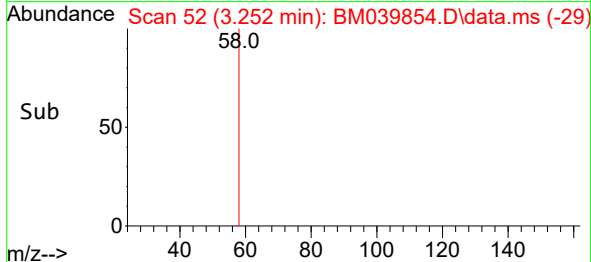
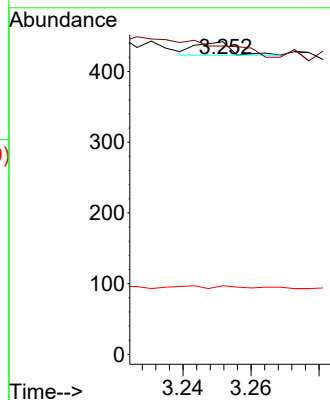
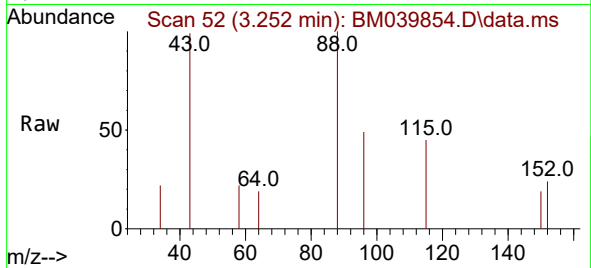




#2
1,4-Dioxane
Concen: 1.146 ng/ul
RT: 3.252 min Scan# 51
Delta R.T. 0.038 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

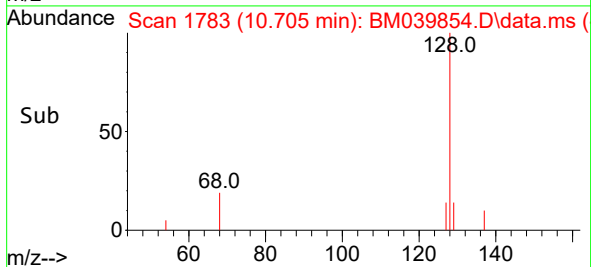
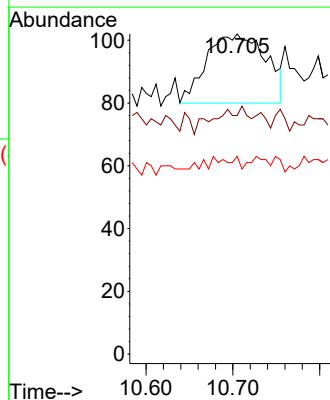
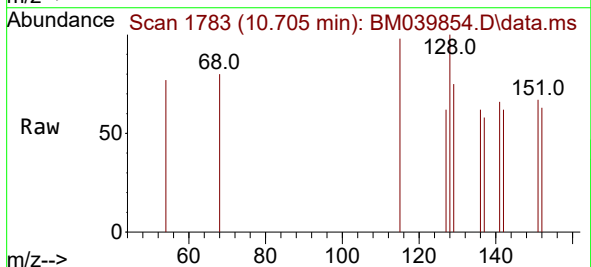
Instrument :
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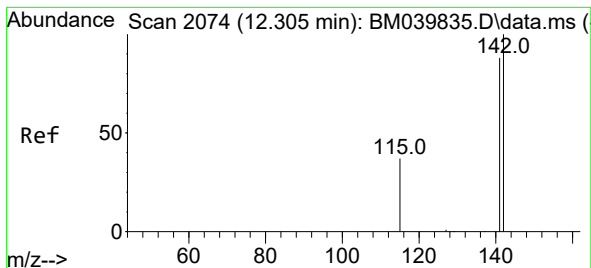
Tgt Ion: 88 Resp: 14
Ion Ratio Lower Upper
88 100
43 98.6 102.6 153.8#
58 21.9 40.6 61.0#



#5
Naphthalene
Concen: 0.986 ng/ul
RT: 10.705 min Scan# 1783
Delta R.T. 0.028 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion: 128 Resp: 104
Ion Ratio Lower Upper
128 100
129 74.5 9.8 14.6#
127 61.8 11.1 16.7#

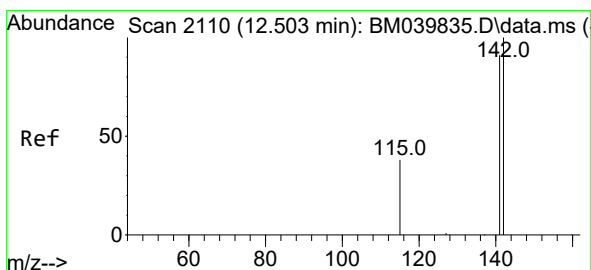
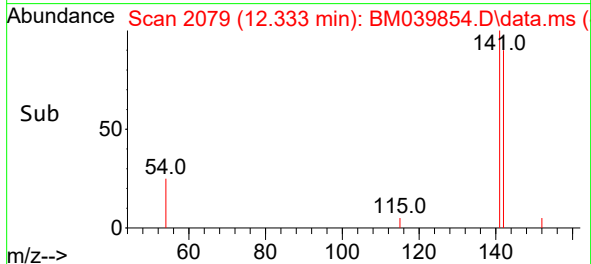
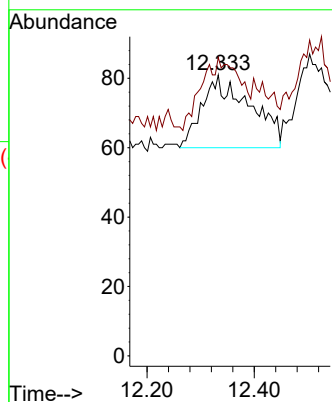
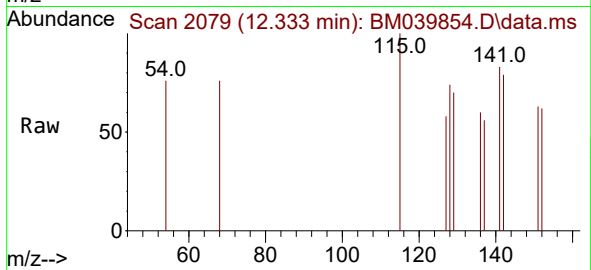




#7
2-Methylnaphthalene
Concen: 2.103 ng/ul
RT: 12.333 min Scan# 2079
Delta R.T. 0.028 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

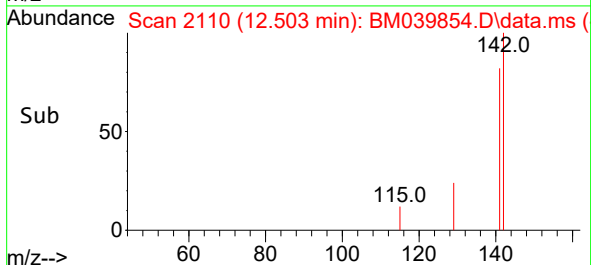
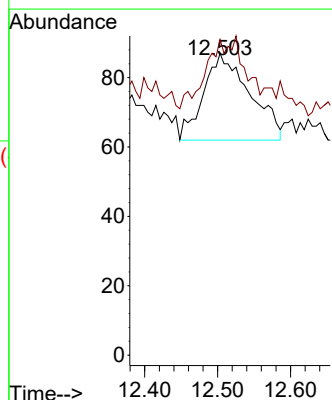
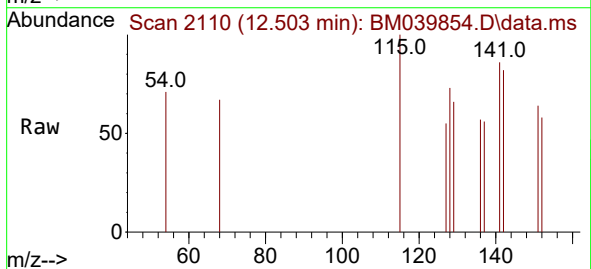
Instrument :
BNA_M
ClientSampleId :
EW943DL

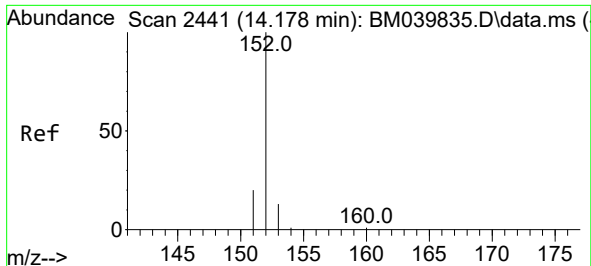
Tgt Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
141 29.7 73.2 109.8#



#8
1-Methylnaphthalene
Concen: 1.685 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
141 0.0 73.4 110.2#

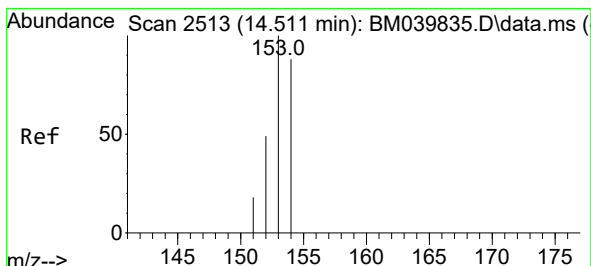
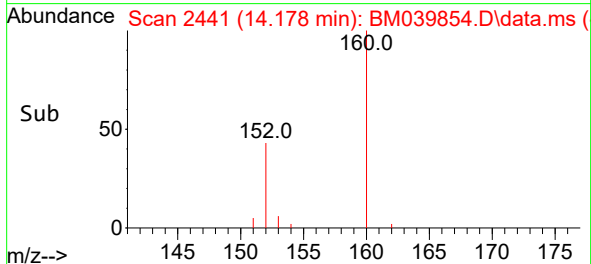
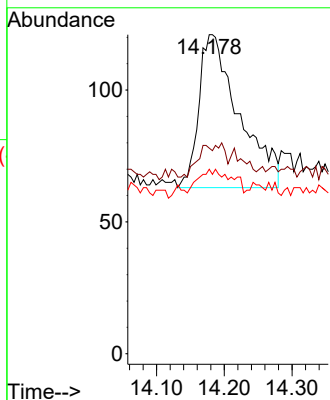
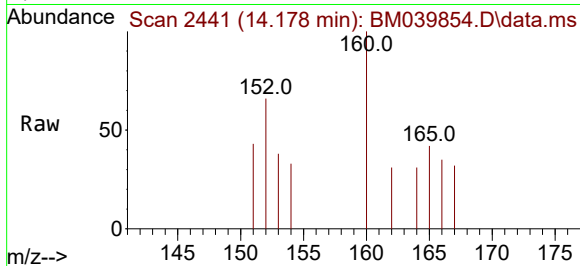




#10
Acenaphthylene
Concen: 2.385 ng/ul
RT: 14.178 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

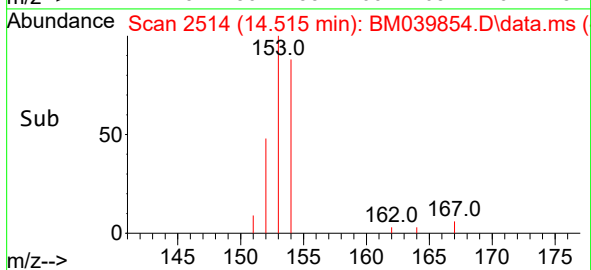
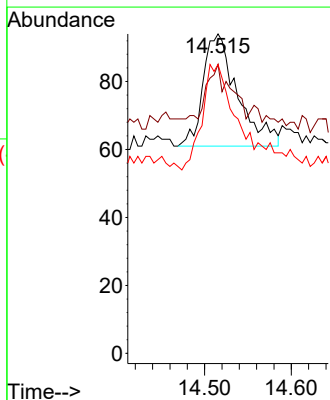
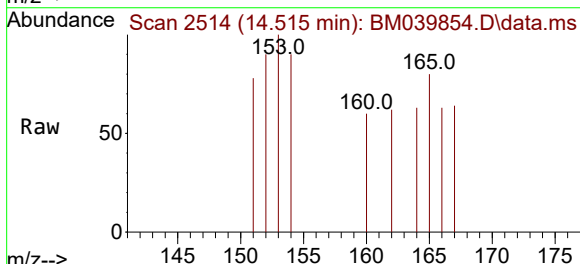
Instrument :
BNA_M
ClientSampleId :
EW943DL

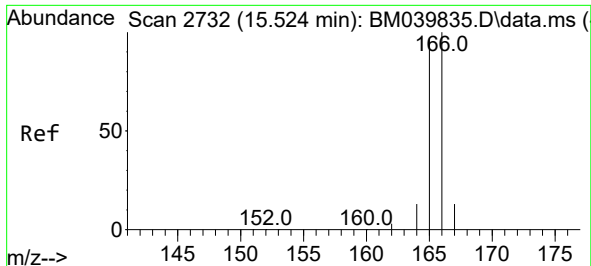
Tgt Ion:152 Resp: 240
Ion Ratio Lower Upper
152 100
151 64.5 16.0 24.0#
153 57.9 11.2 16.8#



#11
Acenaphthene
Concen: 1.151 ng/ul
RT: 14.515 min Scan# 2514
Delta R.T. 0.005 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion:153 Resp: 91
Ion Ratio Lower Upper
153 100
152 90.4 40.6 61.0#
154 90.4 71.9 107.9

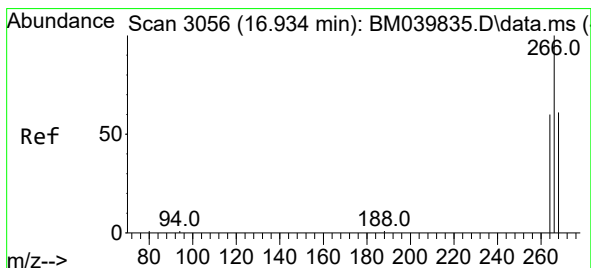
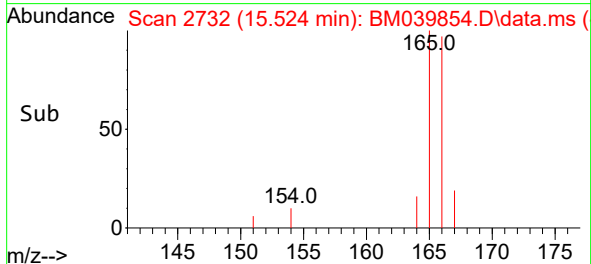
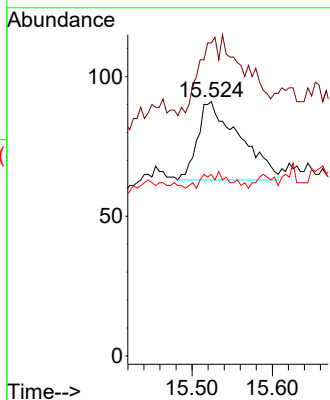
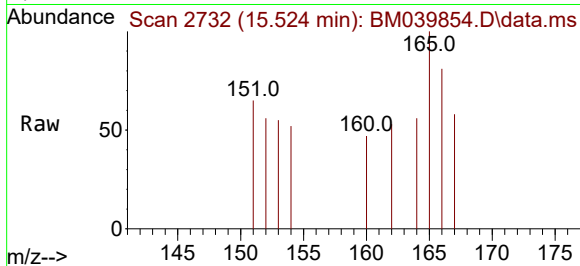




#12
Fluorene
Concen: 1.163 ng/ul
RT: 15.524 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

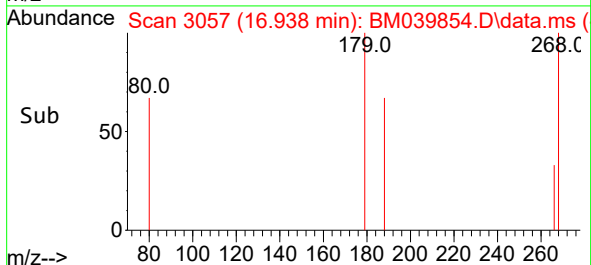
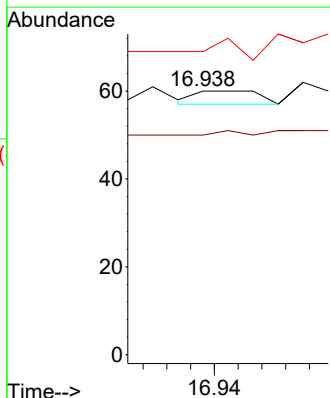
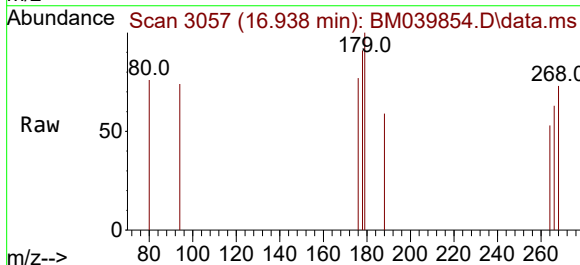
Instrument :
BNA_M
ClientSampleId :
EW943DL

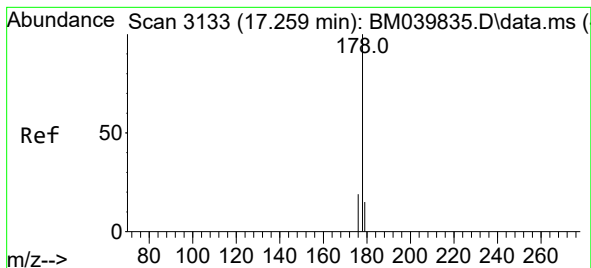
Tgt Ion:166 Resp: 102
Ion Ratio Lower Upper
166 100
165 123.1 79.0 118.6#
167 71.4 11.8 17.6#



#14
Pentachlorophenol
Concen: 0.306 ng/ul
RT: 16.938 min Scan# 3057
Delta R.T. 0.004 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion:266 Resp: 2
Ion Ratio Lower Upper
266 100
264 100.0 48.8 73.2#
268 50.0 50.4 75.6#





#15

Phenanthrene

Concen: 25.899 ng/ul

RT: 17.259 min Scan# 3133

Delta R.T. 0.000 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

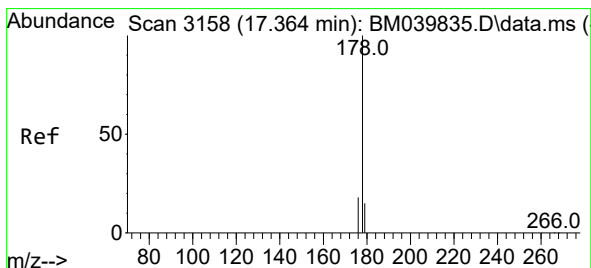
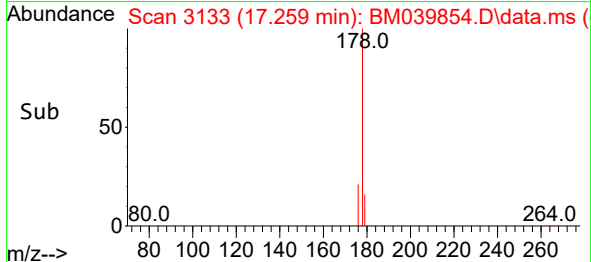
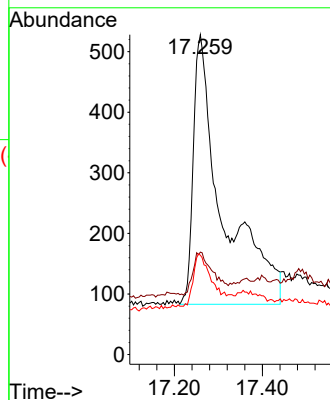
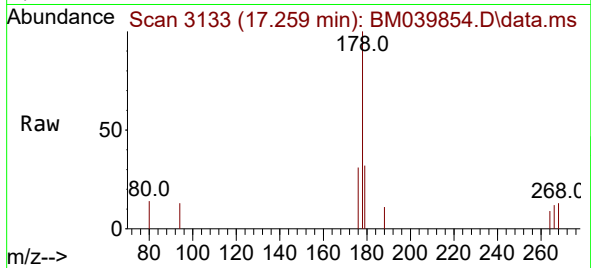
Tgt Ion:178 Resp: 2047

Ion Ratio Lower Upper

178 100

179 32.0 13.0 19.6#

176 31.1 15.8 23.8#



#16

Anthracene

Concen: 5.098 ng/ul

RT: 17.360 min Scan# 3157

Delta R.T. -0.004 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

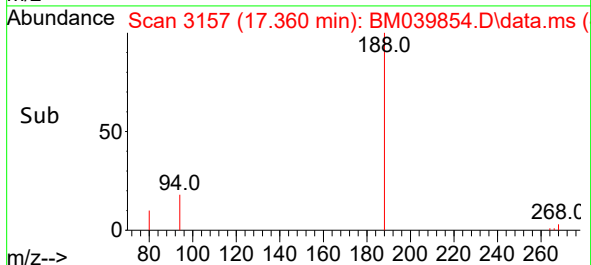
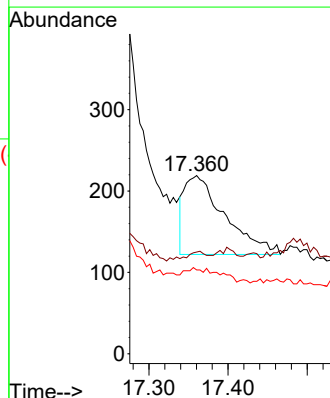
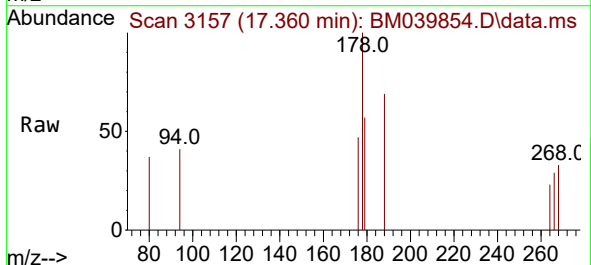
Tgt Ion:178 Resp: 346

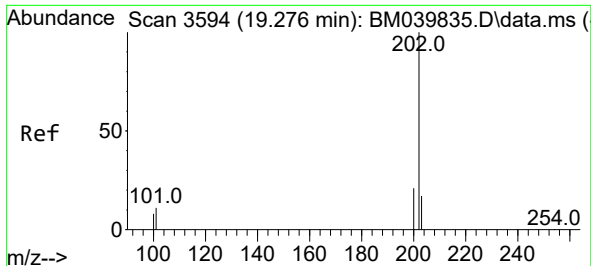
Ion Ratio Lower Upper

178 100

179 57.1 13.8 20.6#

176 47.0 15.8 23.8#





#19

Fluoranthene

Concen: 7.553 ng/u1

RT: 19.266 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

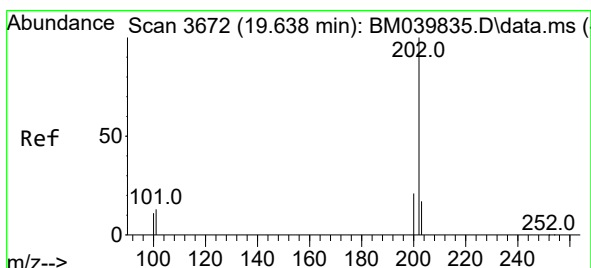
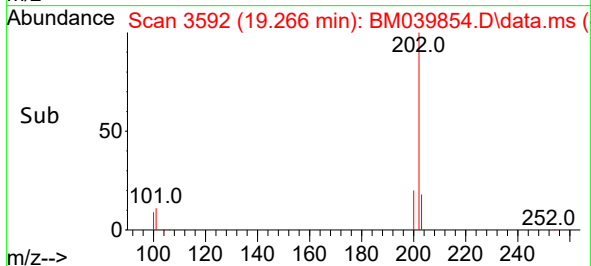
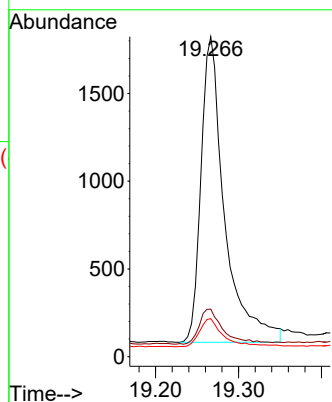
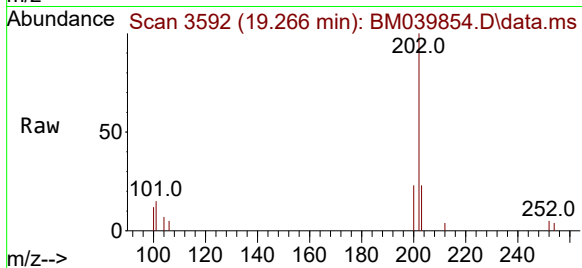
Tgt Ion:202 Resp: 3449

Ion Ratio Lower Upper

202 100

101 14.9 9.8 14.8#

100 11.9 7.3 10.9#



#20

Pyrene

Concen: 7.714 ng/u1

RT: 19.629 min Scan# 3670

Delta R.T. -0.009 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

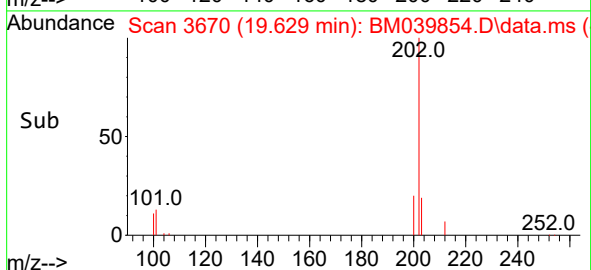
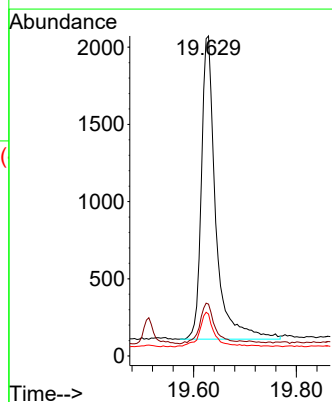
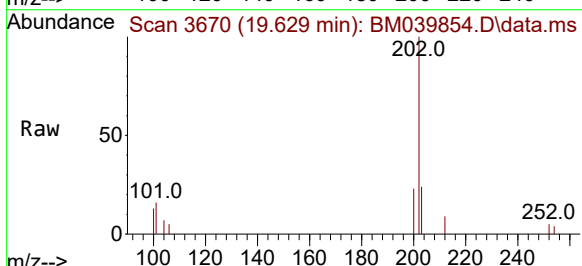
Tgt Ion:202 Resp: 3804

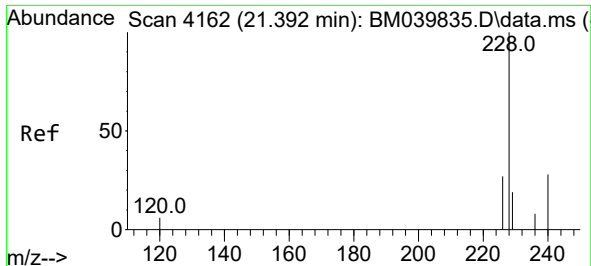
Ion Ratio Lower Upper

202 100

101 16.2 10.9 16.3

100 13.1 8.9 13.3

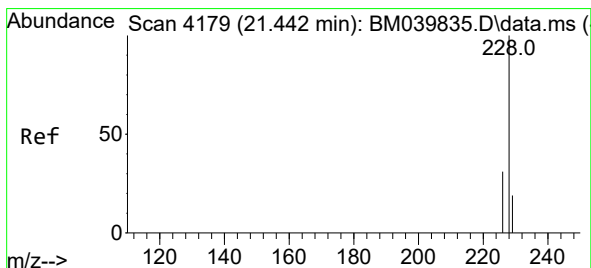
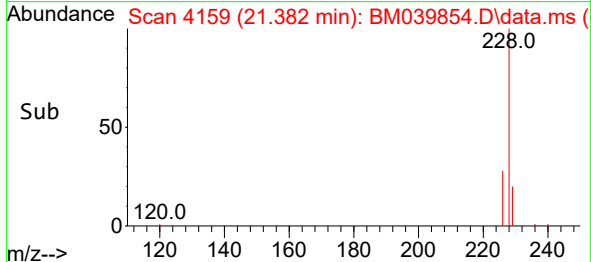
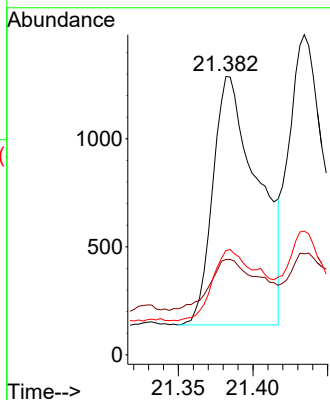
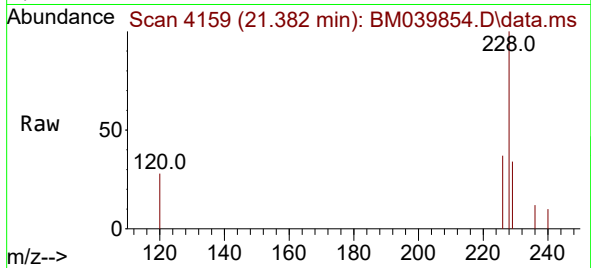




#21
Benzo(a)anthracene
Concen: 6.551 ng/ul
RT: 21.382 min Scan# 4159
Delta R.T. -0.010 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

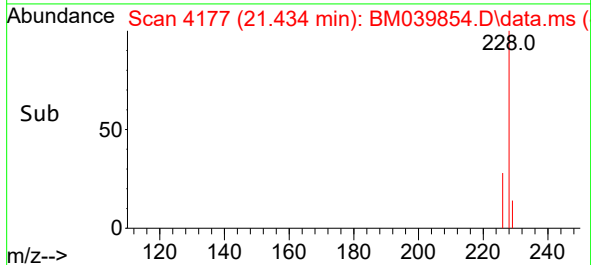
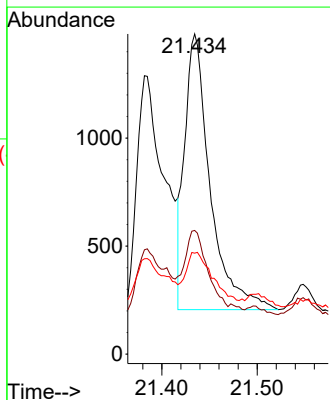
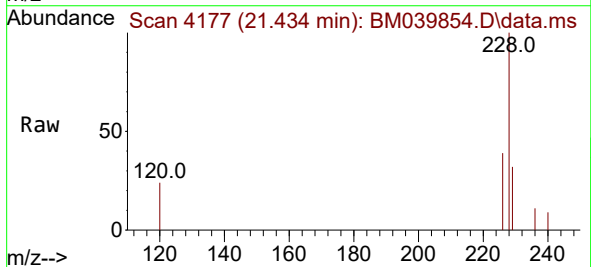
Instrument :
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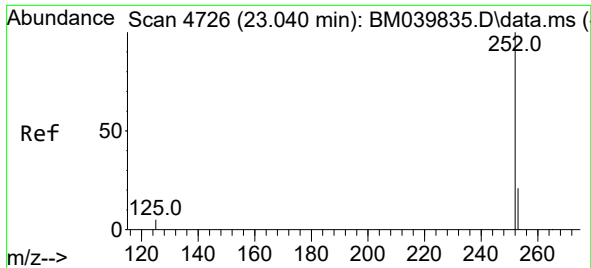
Tgt Ion:228 Resp: 2411
Ion Ratio Lower Upper
228 100
229 34.2 16.2 24.2#
226 37.5 21.6 32.4#



#22
Chrysene
Concen: 5.667 ng/ul
RT: 21.434 min Scan# 4177
Delta R.T. -0.007 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion:228 Resp: 2360
Ion Ratio Lower Upper
228 100
226 38.6 24.3 36.5#
229 31.5 15.9 23.9#

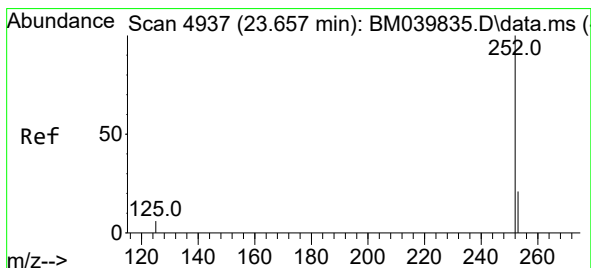
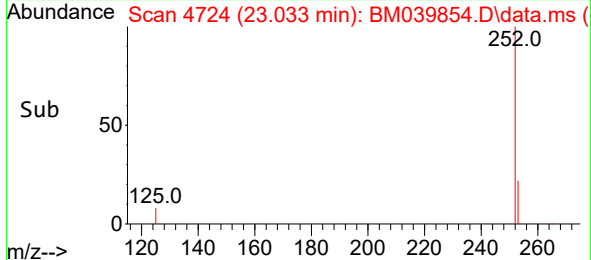
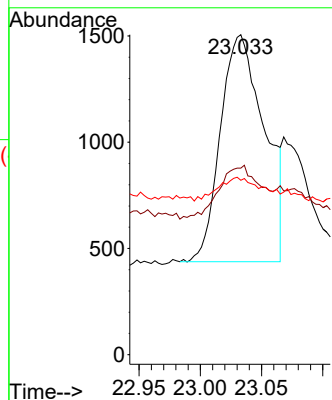
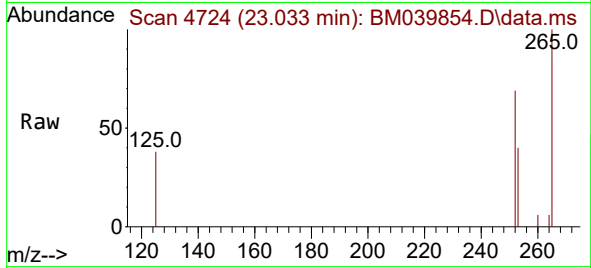




#24
Benzo(b)fluoranthene
Concen: 28.147 ng/ul
RT: 23.033 min Scan# 41
Delta R.T. -0.007 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

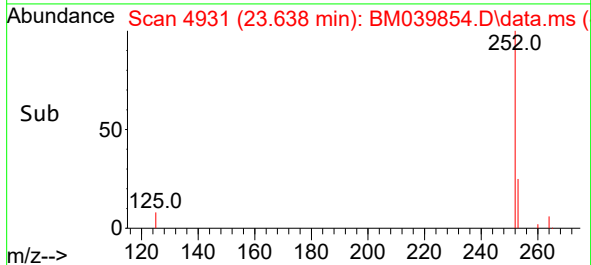
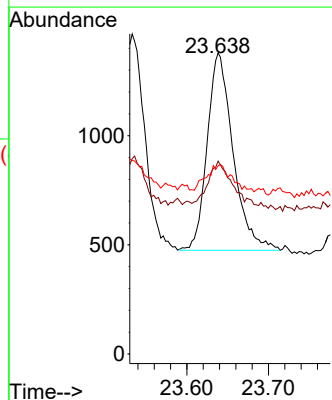
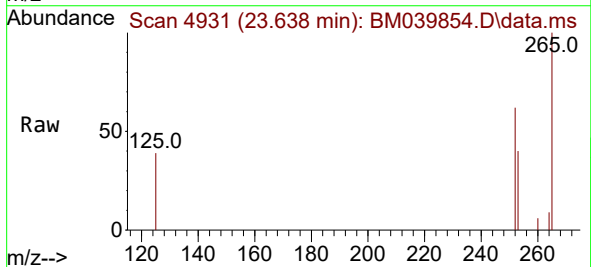
Instrument :
BNA_M
ClientSampleId :
EW943DL

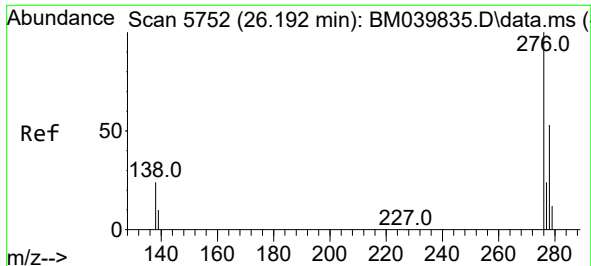
Tgt Ion:252 Resp: 2669
Ion Ratio Lower Upper
252 100
253 58.3 0.0 52.8#
125 54.5 0.0 31.6#



#26
Benzo(a)pyrene
Concen: 23.387 ng/ul
RT: 23.638 min Scan# 4931
Delta R.T. -0.019 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

Tgt Ion:252 Resp: 1991
Ion Ratio Lower Upper
252 100
253 64.0 24.7 37.1#
125 62.5 16.5 24.7#

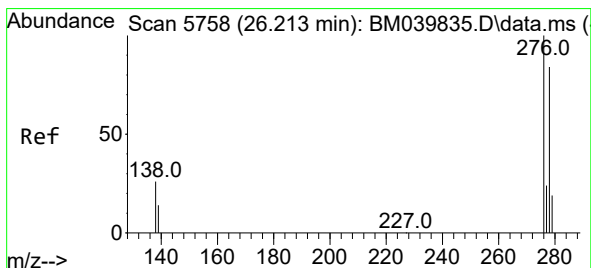
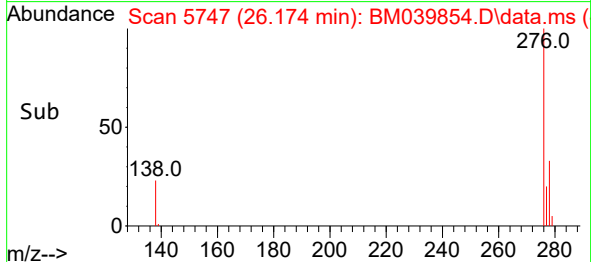
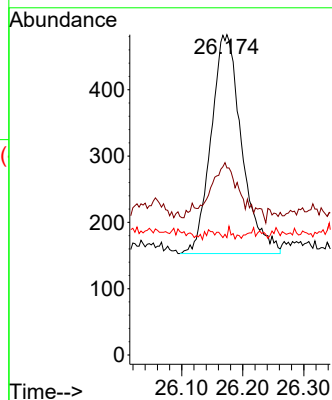
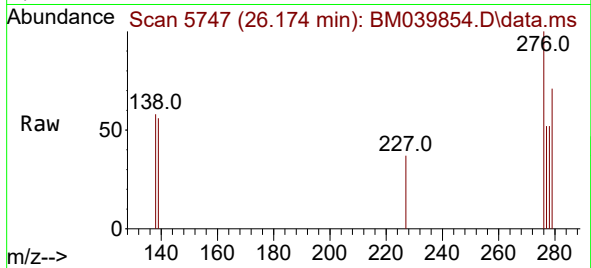




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 10.683 ng/ul
 RT: 26.174 min Scan# 51
 Delta R.T. -0.018 min
 Lab File: BM039854.D
 Acq: 05 May 2023 20:33

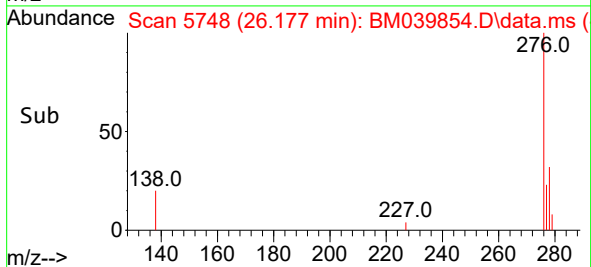
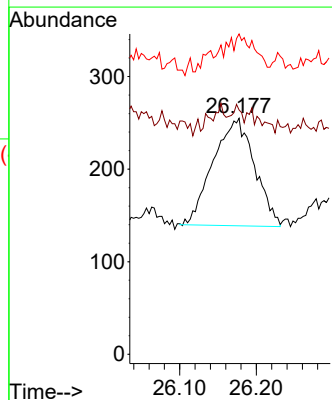
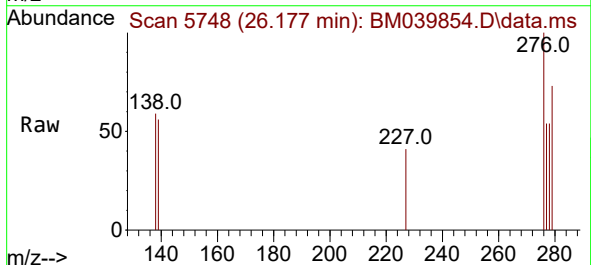
Instrument :
 BNA_M
 ClientSampleId :
 EW943DL

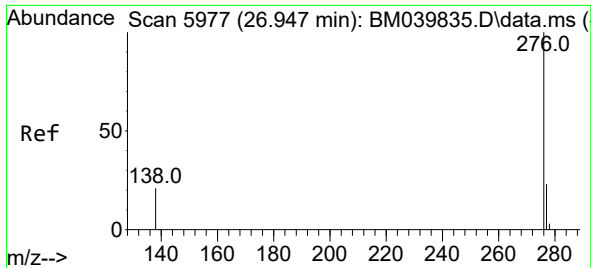
Tgt Ion:276 Resp: 1150
 Ion Ratio Lower Upper
 276 100
 138 26.5 21.1 31.7
 227 0.7 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 5.206 ng/ul
 RT: 26.177 min Scan# 5748
 Delta R.T. -0.035 min
 Lab File: BM039854.D
 Acq: 05 May 2023 20:33

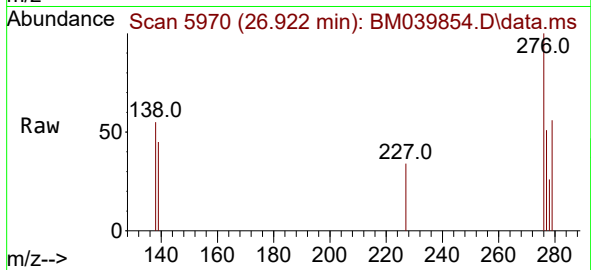
Tgt Ion:278 Resp: 435
 Ion Ratio Lower Upper
 278 100
 139 103.5 17.0 25.6#
 279 135.7 23.4 35.2#





#29
 Benzo(g,h,i)perylene
 Concen: 16.546 ng/ul
 RT: 26.922 min Scan# 5970
 Delta R.T. -0.025 min
 Lab File: BM039854.D
 Acq: 05 May 2023 20:33

Instrument :
 BNA_M
 ClientSampleId :
 EW943DL



Tgt Ion:	276	Resp:	1552
Ion	Ratio	Lower	Upper
276	100		
138	55.3	20.1	30.1#
277	50.6	20.1	30.1#

