

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

Instrument :
 BNA_M
 ClientSampleId :
 EW943DL

Quant Time: May 06 02:48:30 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 : Sat May 06 02:22:07 2023
 Response via : Initial Calibration

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

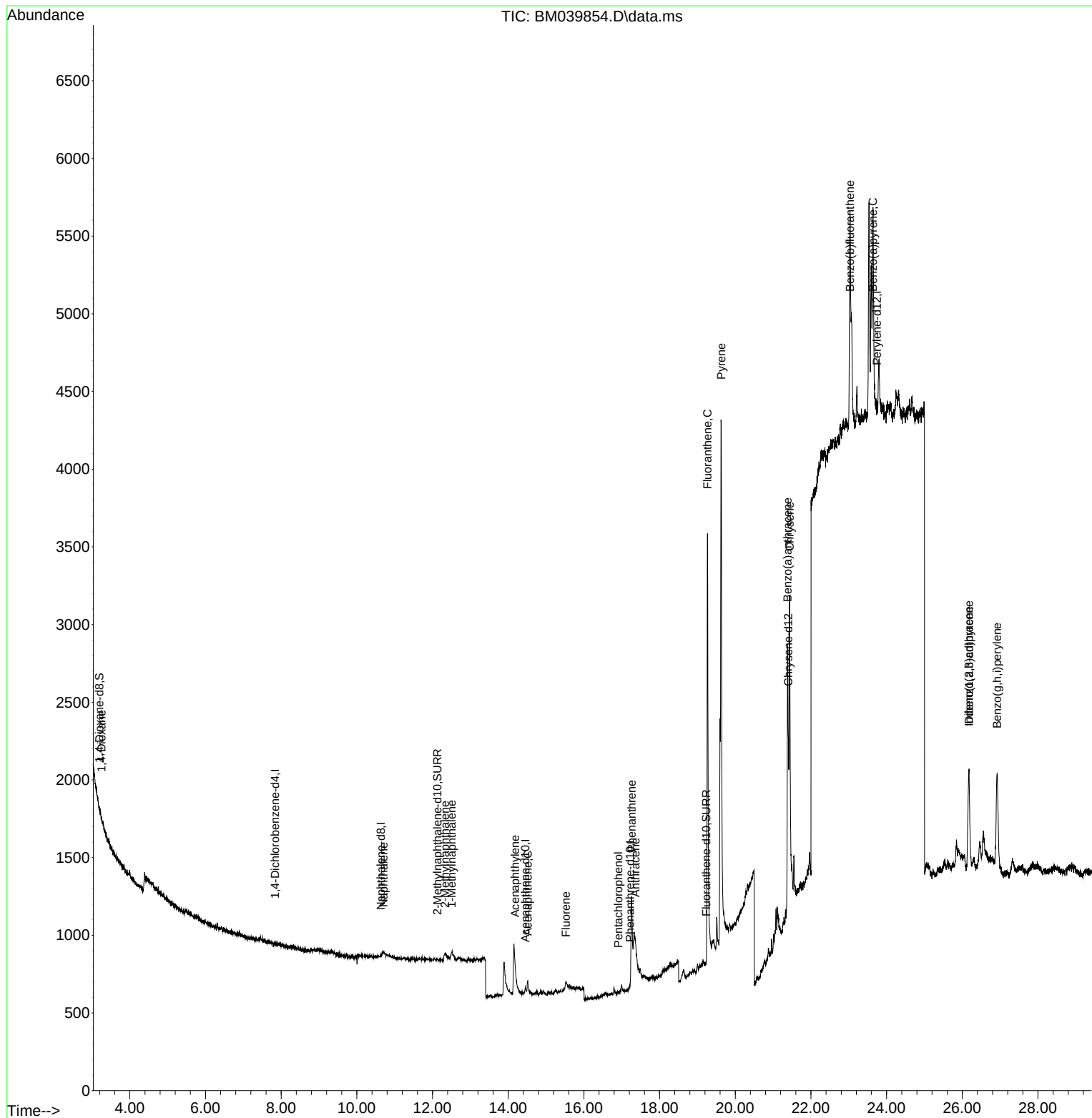
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	4	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.634	136	42	0.400	ng/ul	# 0.02
9) Acenaphthene-d10	14.451	164	26	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.217	188	30	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.399	240	128	0.400	ng/ul	# 0.00
23) Perylene-d12	23.743	264	27	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	18	3.053	ng/ul	0.02
6) 2-Methylnaphthalene-d10	12.129	152	5	0.093	ng/ul	-0.09
18) Fluoranthene-d10	19.234	212	20	0.058	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	12	1.965	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	105	1.197	ng/ul#	61
14) Pentachlorophenol	16.913	266	5	0.765	ng/ul#	19
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	3428	7.507	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	2677	28.232	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

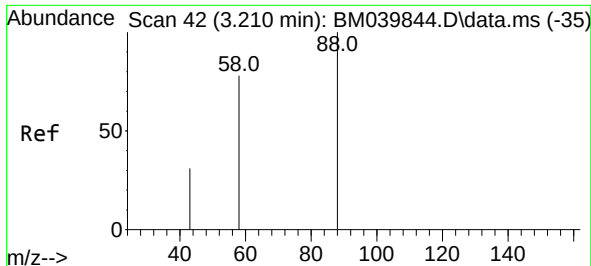
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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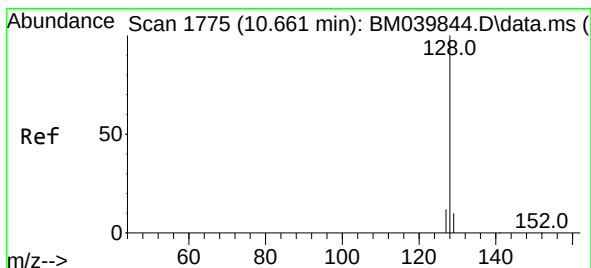
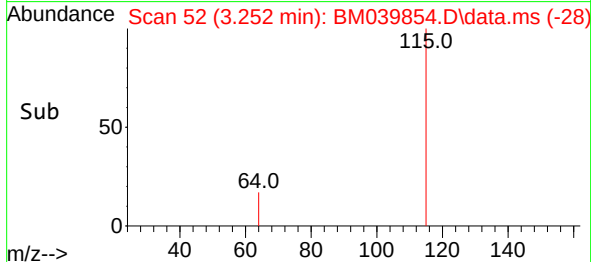
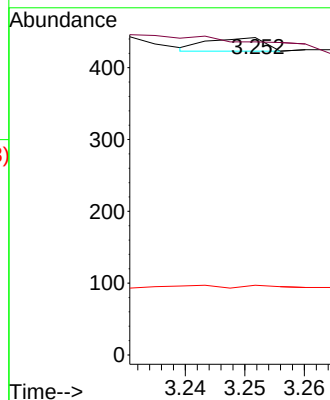
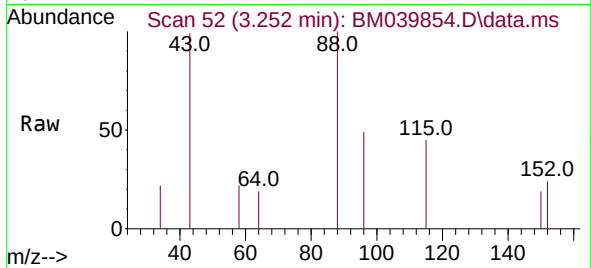




#2
1,4-Dioxane
Concen: 1.965 ng/ul
RT: 3.252 min Scan# 51
Delta R.T. 0.042 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

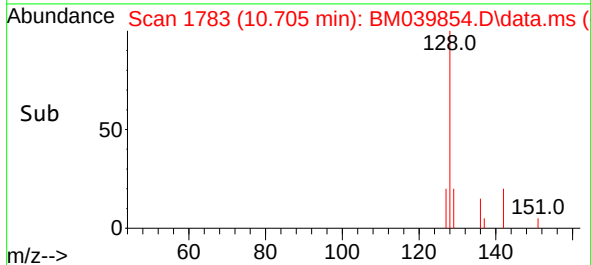
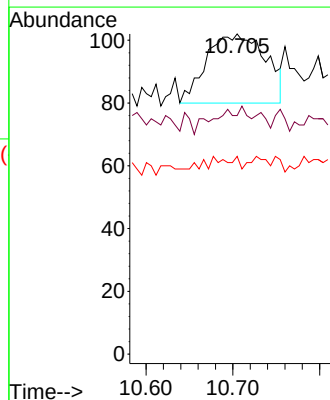
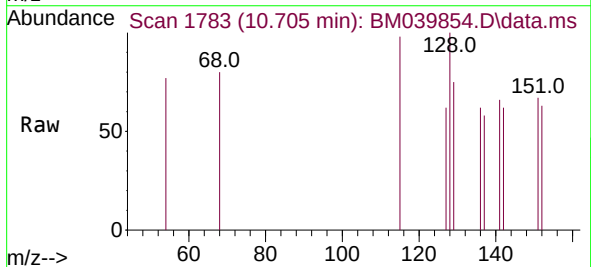
Instrument :
BNA_M
ClientSampleId :
EW943DL

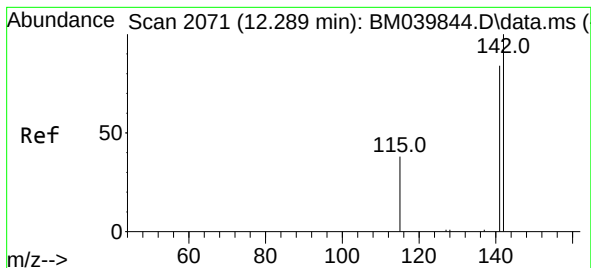
Tgt Ion: 88 Resp: 12
Ion Ratio Lower Upper
88 100
43 98.6 102.6 153.8#
58 21.9 40.6 61.0#



#5
Naphthalene
Concen: 0.986 ng/ul
RT: 10.705 min Scan# 1783
Delta R.T. 0.044 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# 2071

Delta R.T. 0.044 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

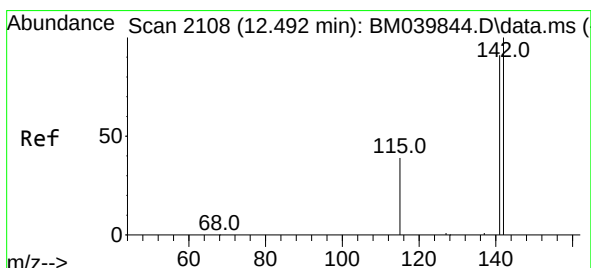
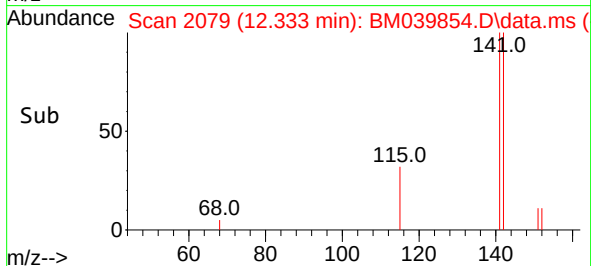
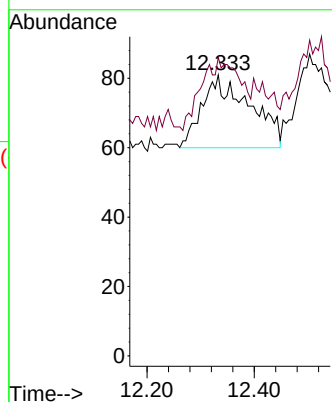
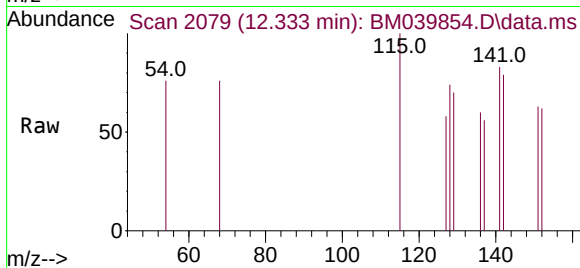
EW943DL

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. 0.011 min

Lab File: BM039854.D

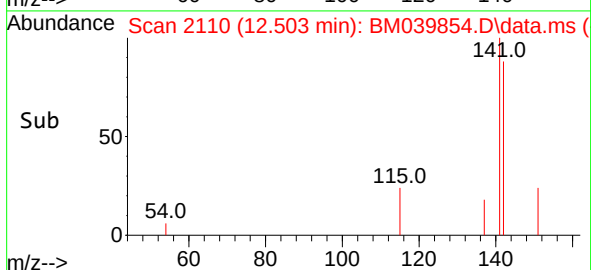
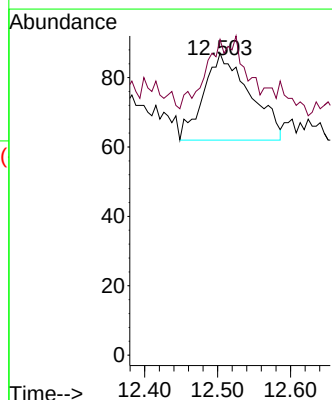
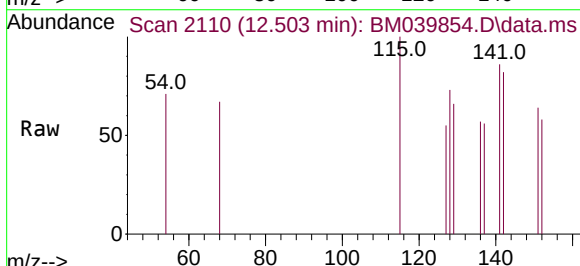
Acq: 05 May 2023 20:33

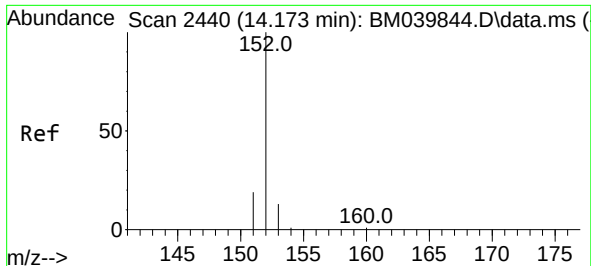
Tgt Ion:142 Resp: 110

Ion Ratio Lower Upper

142 100

141 0.0 73.4 110.2#

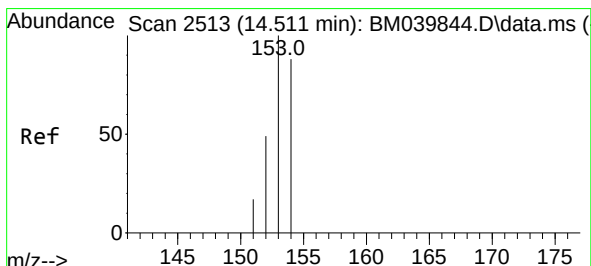
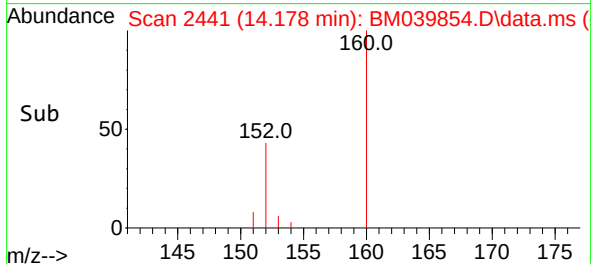
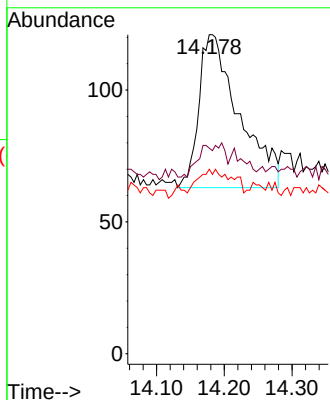
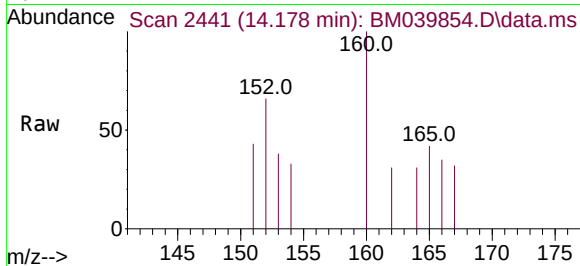




#10
Acenaphthylene
Concen: 2.385 ng/ul
RT: 14.178 min Scan# 2440
Delta R.T. 0.005 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

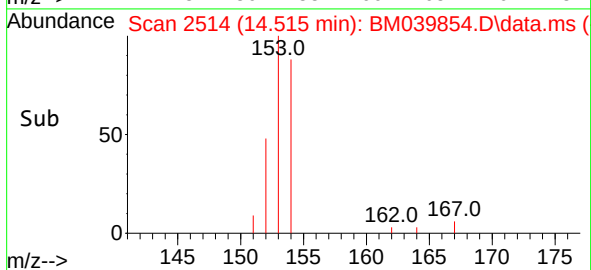
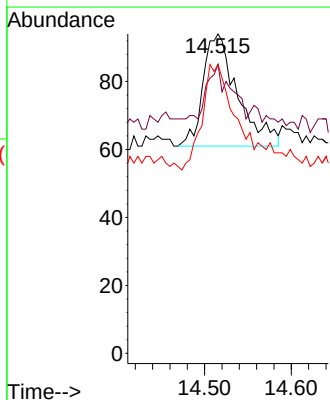
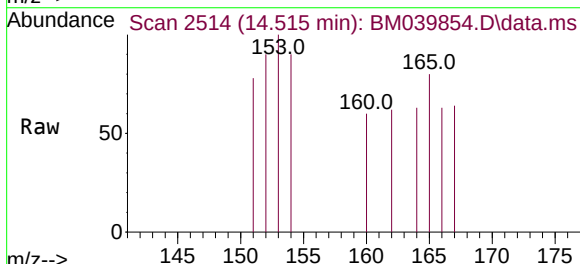
Instrument :
BNA_M
ClientSampleId :
EW943DL

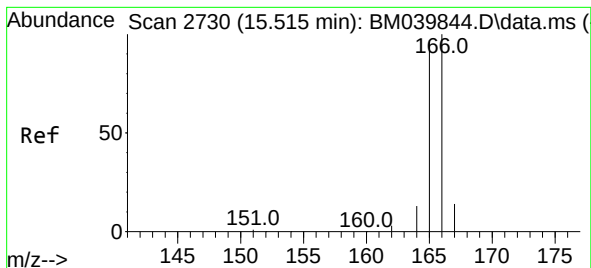
Tgt Ion:152 Resp: 240
Ion Ratio Lower Upper
152 100
151 64.5 16.0 24.0#
153 57.9 11.2 16.8#



#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: 1.197 ng/ul

RT: 15.524 min Scan# 21

Delta R.T. 0.009 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

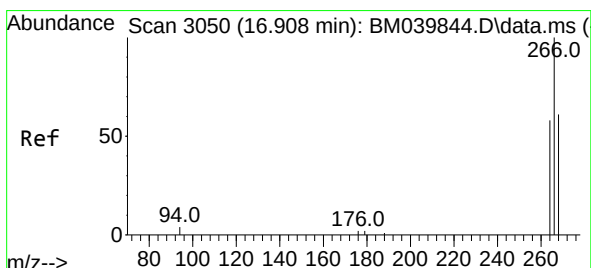
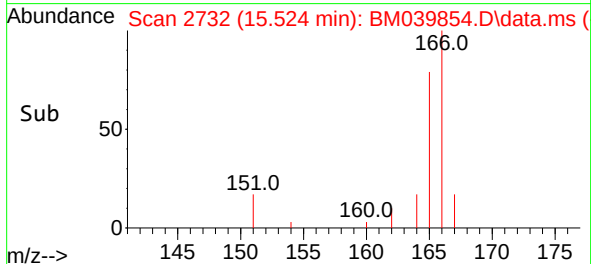
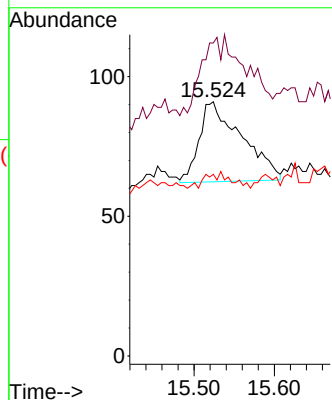
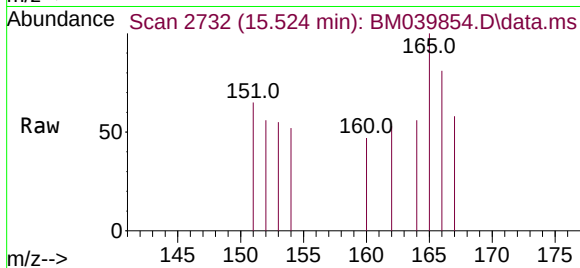
Tgt Ion:166 Resp: 105

Ion Ratio Lower Upper

166 100

165 123.1 79.0 118.6#

167 71.4 11.8 17.6#



#14

Pentachlorophenol

Concen: 0.765 ng/ul

RT: 16.913 min Scan# 3051

Delta R.T. 0.004 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

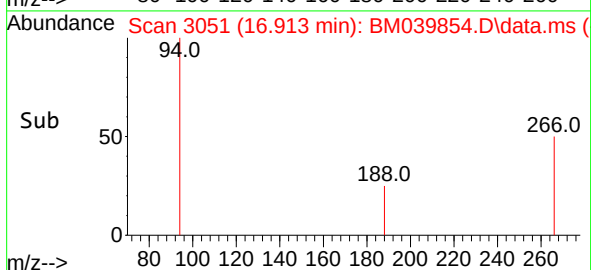
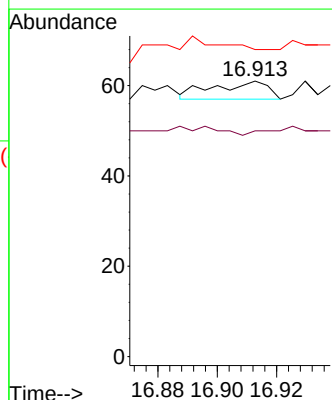
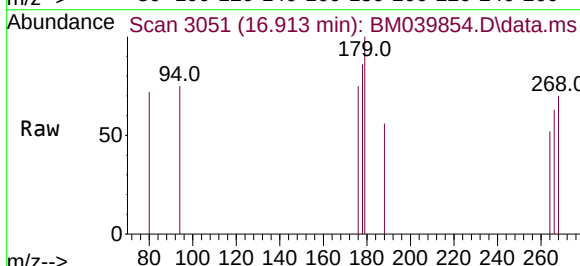
Tgt Ion:266 Resp: 5

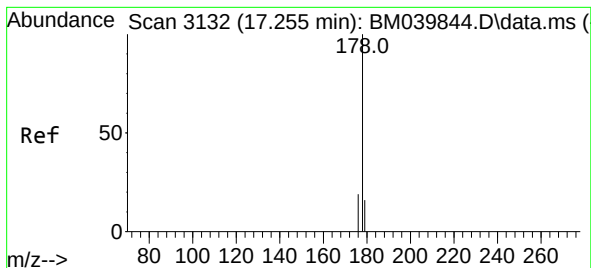
Ion Ratio Lower Upper

266 100

264 0.0 48.8 73.2#

268 0.0 50.4 75.6#





#15

Phenanthrene

Concen: 25.899 ng/ul

RT: 17.259 min Scan# 3132

Delta R.T. 0.004 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

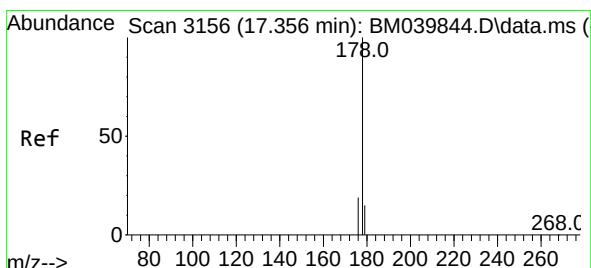
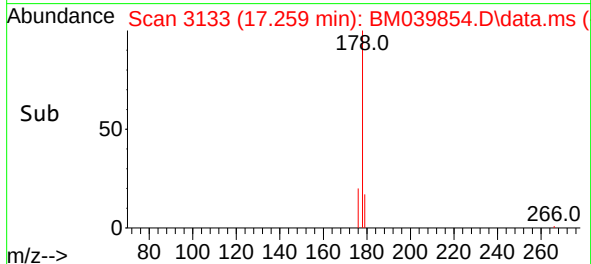
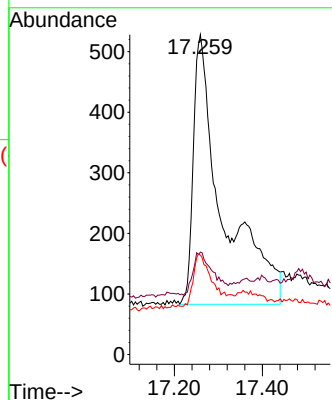
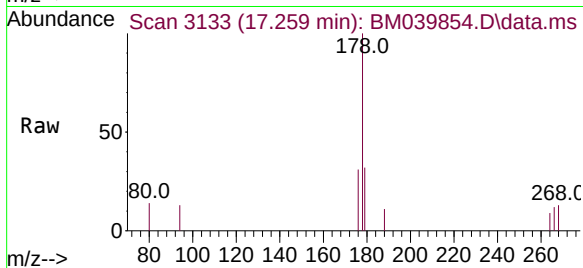
Tgt Ion:178 Resp: 2047

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

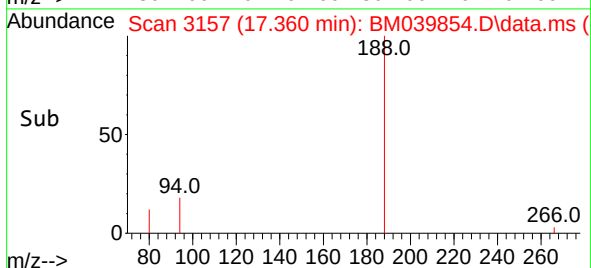
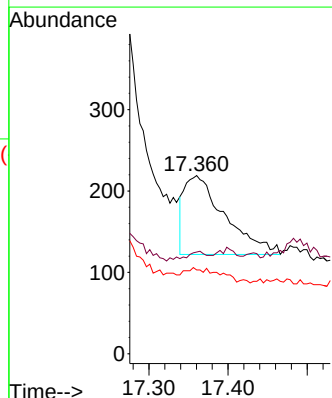
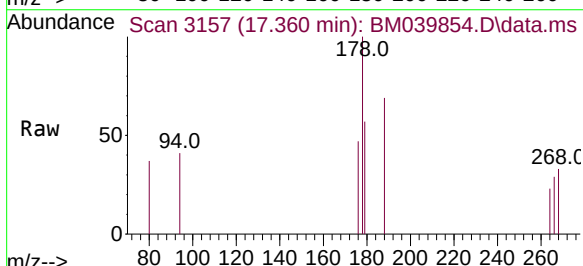
Tgt Ion:178 Resp: 346

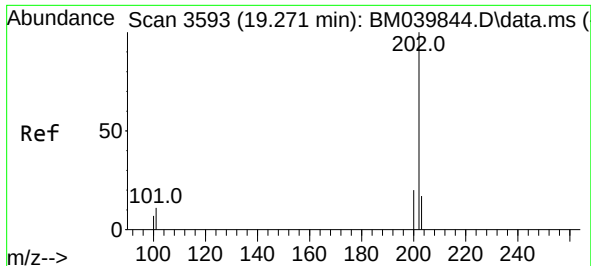
Ion Ratio Lower Upper

178 100

179 57.1 13.8 20.6#

176 47.0 15.8 23.8#

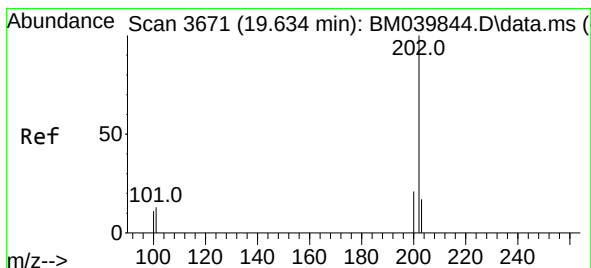
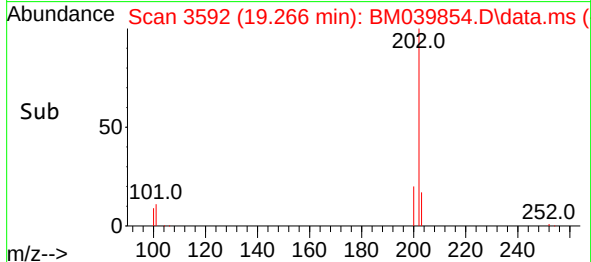
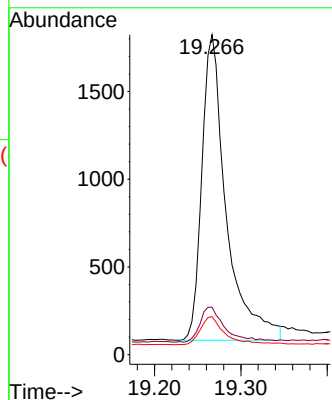
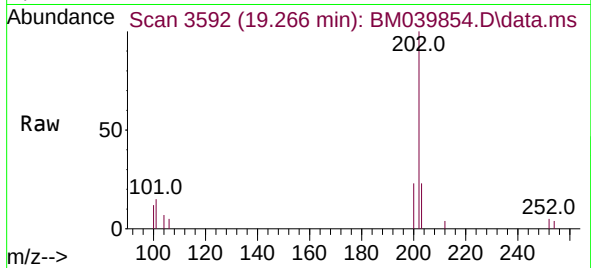




#19
Fluoranthene
Concen: 7.507 ng/u1
RT: 19.266 min Scan# 3592
Delta R.T. -0.005 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

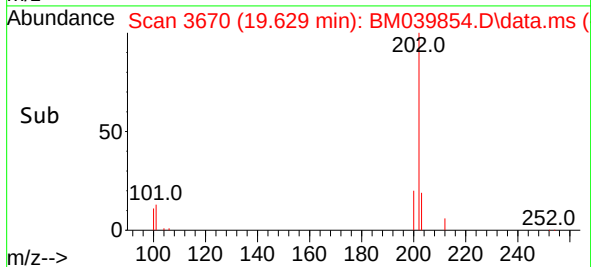
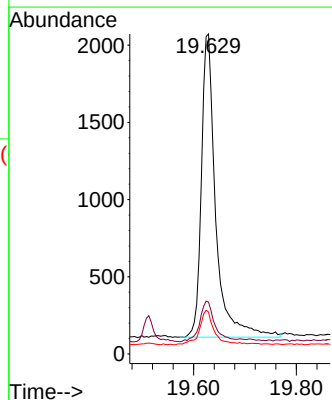
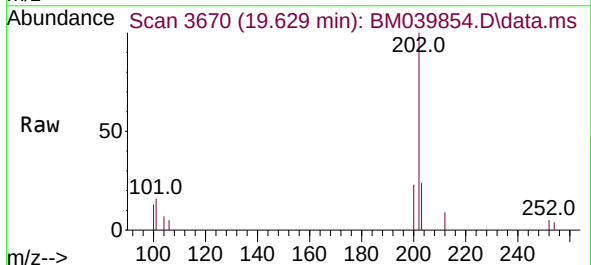
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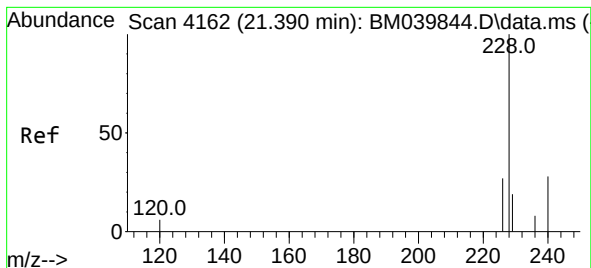
Tgt Ion:202 Resp: 3428
Ion Ratio Lower Upper
202 100
101 14.9 9.8 14.8#
100 11.9 7.3 10.9#



#20
Pyrene
Concen: 7.714 ng/u1
RT: 19.629 min Scan# 3670
Delta R.T. -0.005 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# 41

Delta R.T. -0.009 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

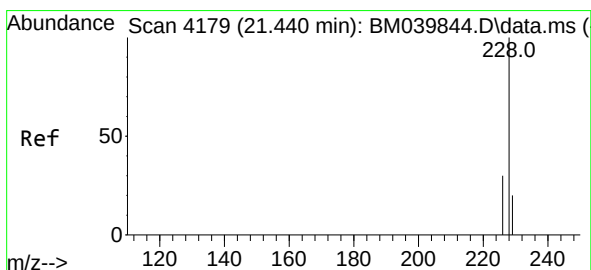
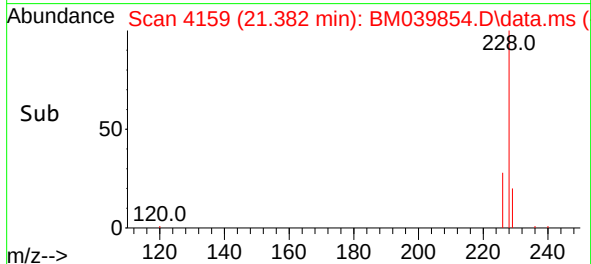
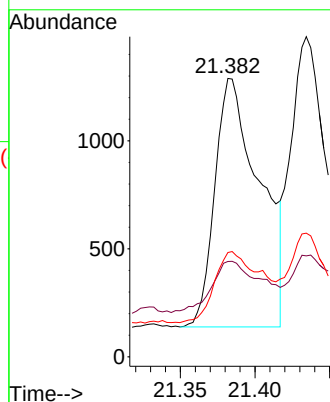
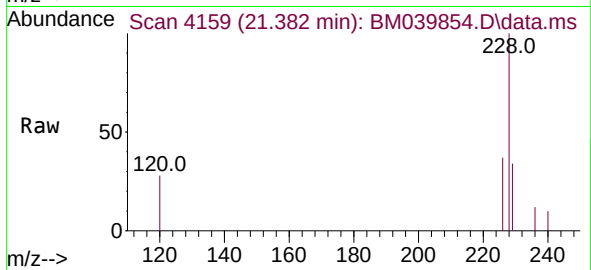
Tgt Ion:228 Resp: 2411

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. -0.006 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

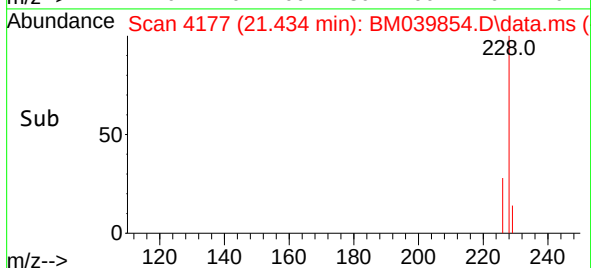
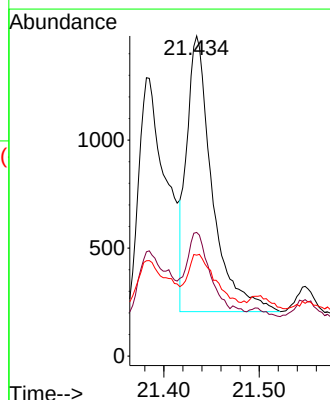
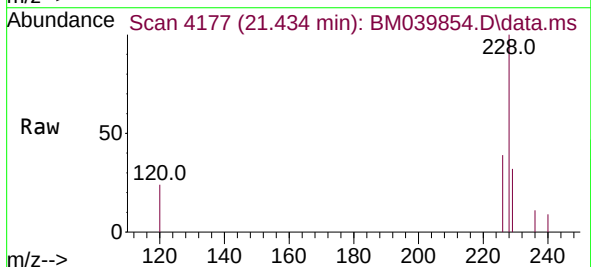
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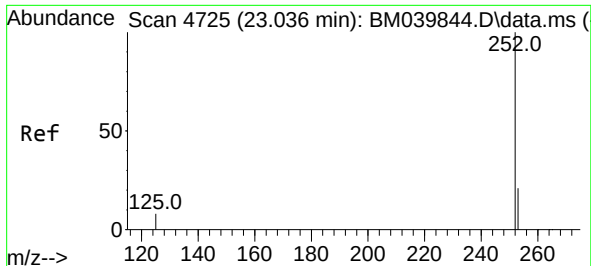
Ion Ratio Lower Upper

228 100

226 38.6 24.3 36.5#

229 31.5 15.9 23.9#

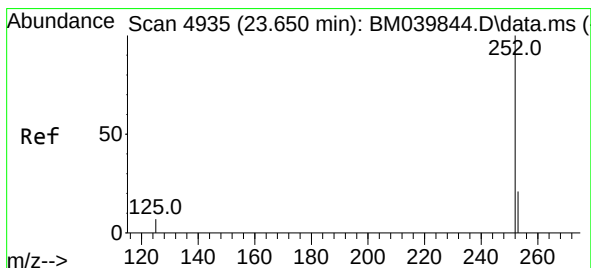
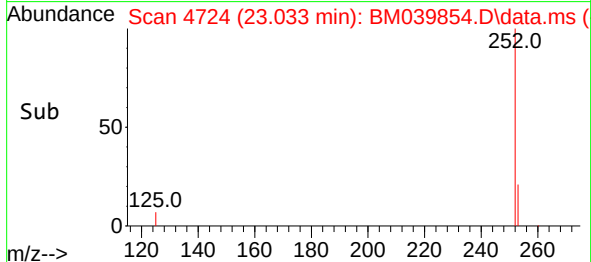
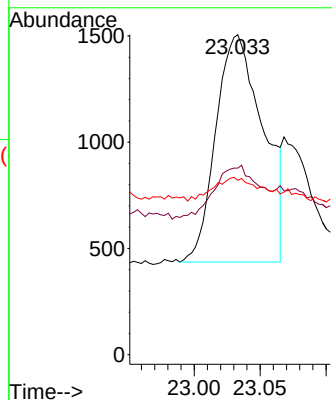
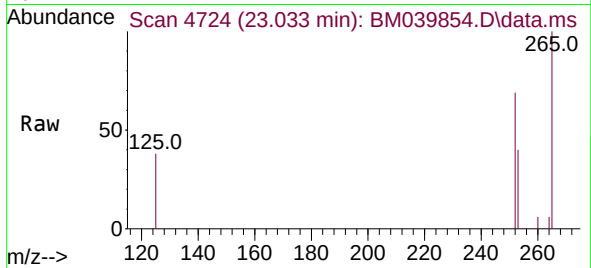




#24
Benzo(b)fluoranthene
Concen: 28.232 ng/ul
RT: 23.033 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM039854.D
Acq: 05 May 2023 20:33

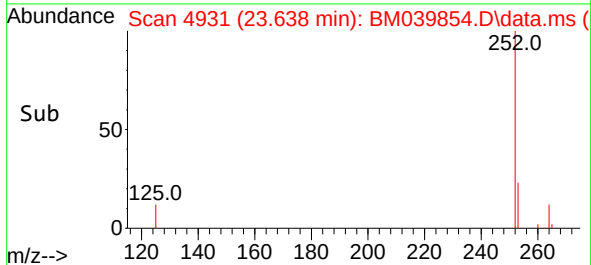
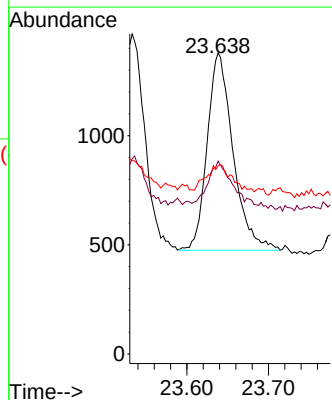
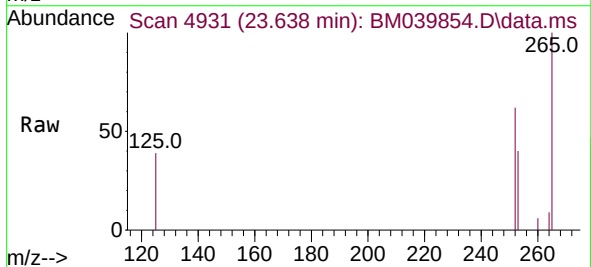
Instrument :
BNA_M
ClientSampleId :
EW943DL

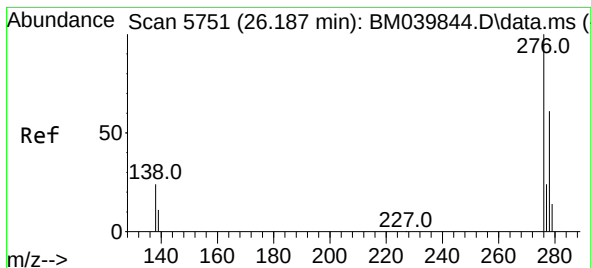
Tgt Ion:252 Resp: 2677
Ion Ratio Lower Upper
252 100
253 58.3 0.0 52.8#
125 54.5 0.0 31.6#



#26
Benzo(a)pyrene
Concen: 23.387 ng/ul
RT: 23.638 min Scan# 4931
Delta R.T. -0.012 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# 5

Delta R.T. -0.013 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

Instrument :

BNA_M

ClientSampleId :

EW943DL

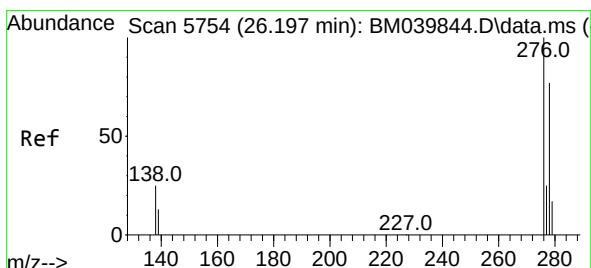
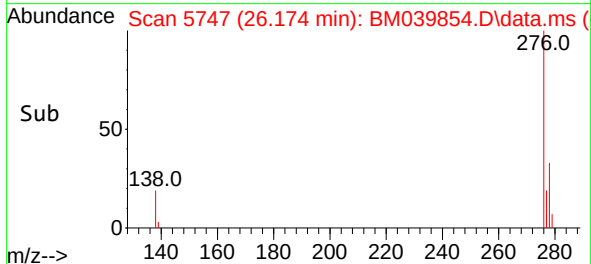
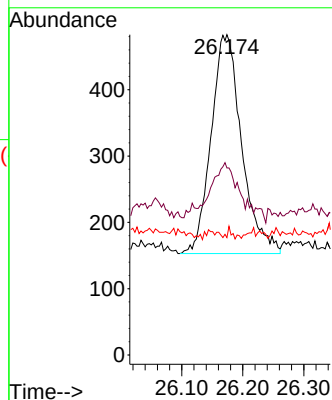
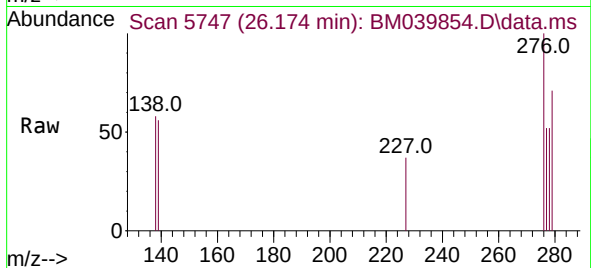
Tgt Ion:276 Resp: 1150

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. -0.020 min

Lab File: BM039854.D

Acq: 05 May 2023 20:33

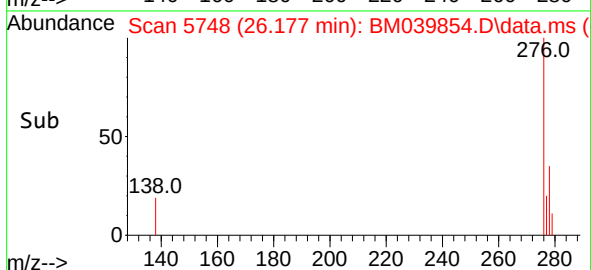
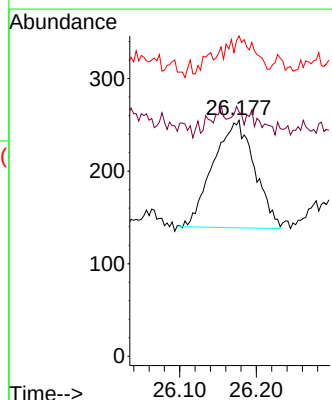
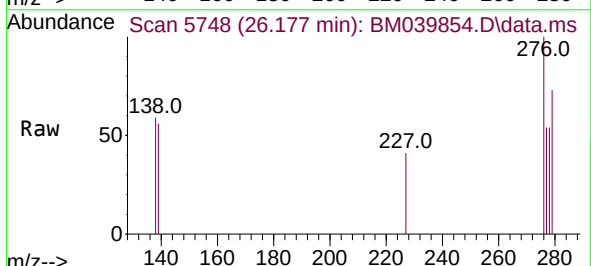
Tgt Ion:278 Resp: 435

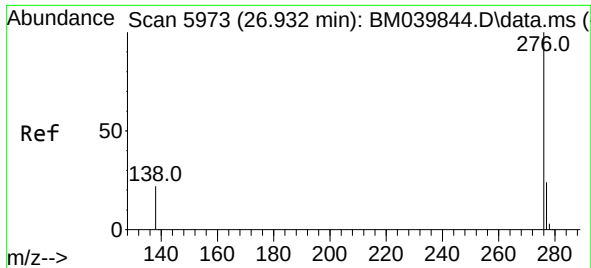
Ion Ratio Lower Upper

278 100

139 103.5 17.0 25.6#

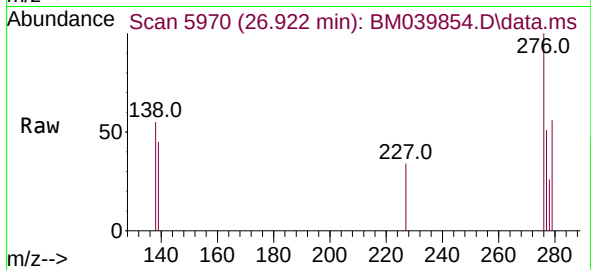
279 135.7 23.4 35.2#





#29
 Benzo(g,h,i)perylene
 Concen: 16.546 ng/ul
 RT: 26.922 min Scan# 5970
 Delta R.T. -0.010 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#

