

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039855.D
 Acq On : 05 May 2023 21:09
 Operator : CG/JU
 Sample : 02479-11DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW952DL

Quant Time: May 06 02:15:36 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

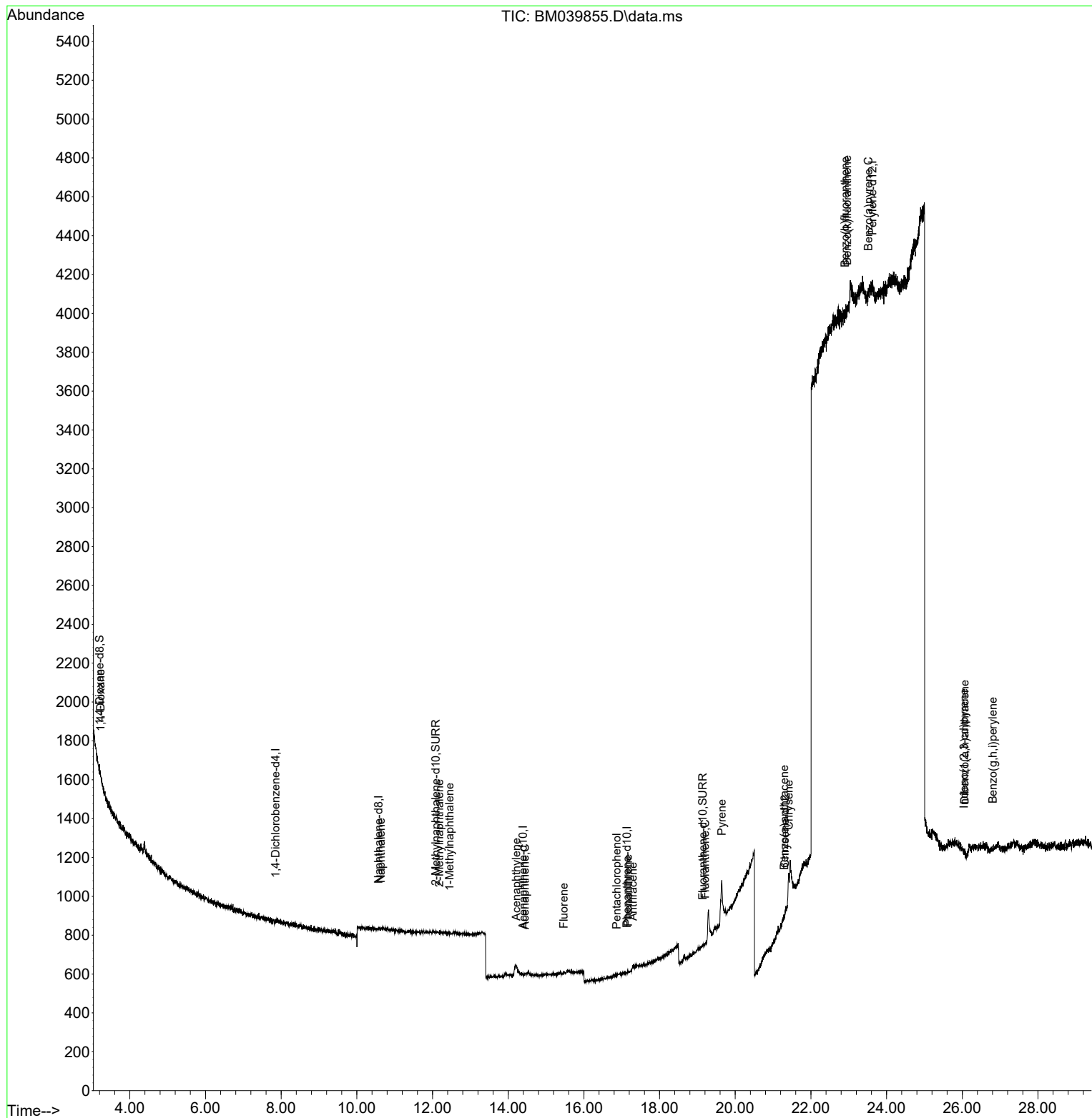
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.850	152	3	0.400	ng/ul	#-0.01
4) Naphthalene-d8	10.573	136	11	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.390	164	6	0.400	ng/ul	#-0.06
13) Phenanthrene-d10	17.136	188	5	0.400	ng/ul	#-0.08
17) Chrysene-d12	21.313	240	2	0.400	ng/ul	#-0.09
23) Perylene-d12	23.625	264	40	0.400	ng/ul	#-0.13
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.201	96	19	4.297	ng/ul	0.02
6) 2-Methylnaphthalene-d10	12.085	152	5	0.354	ng/ul	-0.15
18) Fluoranthene-d10	19.141	212	10	1.858	ng/ul	-0.10
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.231	88	10	2.183	ng/ul#	90
5) Naphthalene	10.639	128	7	0.253	ng/ul#	1
7) 2-Methylnaphthalene	12.179	142	2	0.125	ng/ul	91
8) 1-Methylnaphthalene	12.448	142	1	0.058	ng/ul#	1
10) Acenaphthylene	14.215	152	141	6.071	ng/ul#	1
11) Acenaphthene	14.441	153	7	0.384	ng/ul#	72
12) Fluorene	15.468	166	2	0.099	ng/ul#	46
14) Pentachlorophenol	16.866	266	7	6.424	ng/ul#	55
15) Phenanthrene	17.166	178	5	0.380	ng/ul#	1
16) Anthracene	17.297	178	71	6.277	ng/ul#	1
19) Fluoranthene	19.206	202	12	1.682	ng/ul#	1
20) Pyrene	19.643	202	300	38.934	ng/ul#	27
21) Benzo(a)anthracene	21.299	228	4	0.696	ng/ul#	1
22) Chrysene	21.413	228	185	28.429	ng/ul#	1
24) Benzo(b)fluoranthene	22.903	252	12	0.085	ng/ul#	1
25) Benzo(k)fluoranthene	22.959	252	14	0.098	ng/ul#	1
26) Benzo(a)pyrene	23.517	252	14	0.111	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.045	276	6	0.038	ng/ul#	49
28) Dibenzo(a,h)anthracene	26.065	278	5	0.040	ng/ul#	1
29) Benzo(g,h,i)perylene	26.803	276	8	0.058	ng/ul#	1

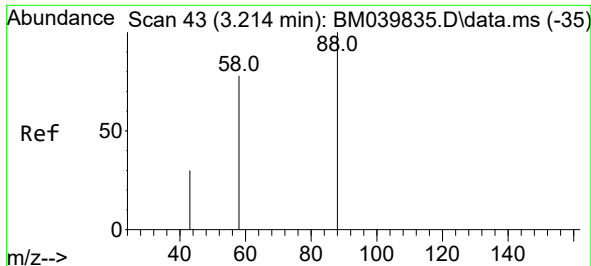
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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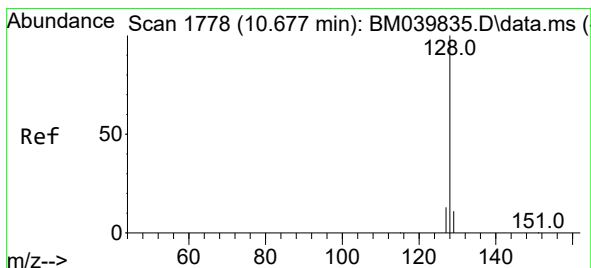
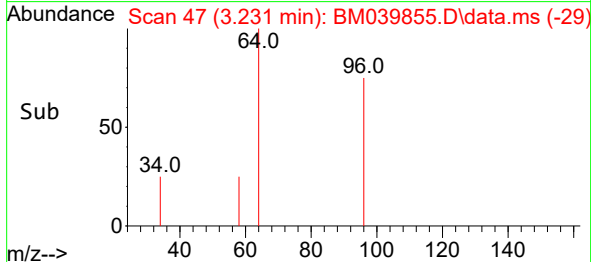
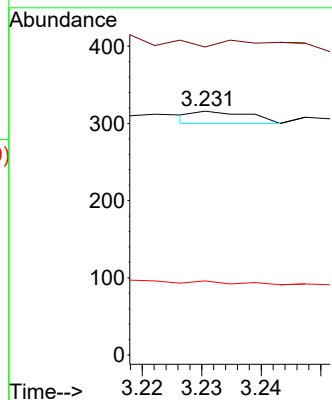
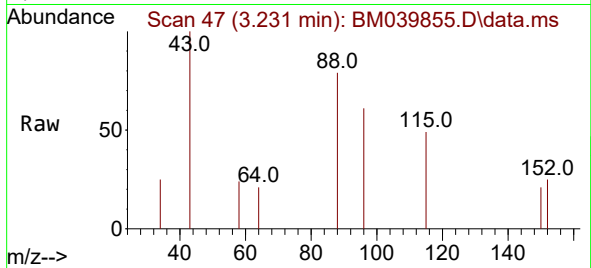




#2
1,4-Dioxane
Concen: 2.183 ng/ul
RT: 3.231 min Scan# 41
Delta R.T. 0.017 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

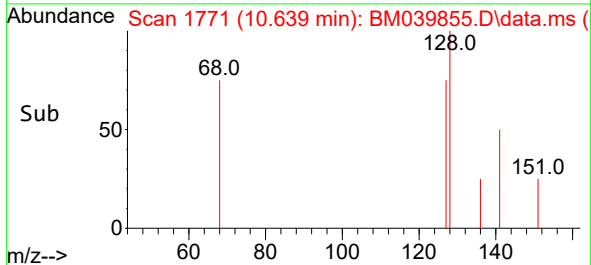
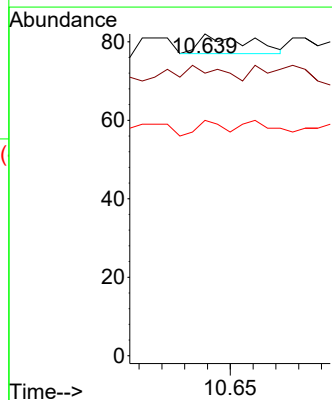
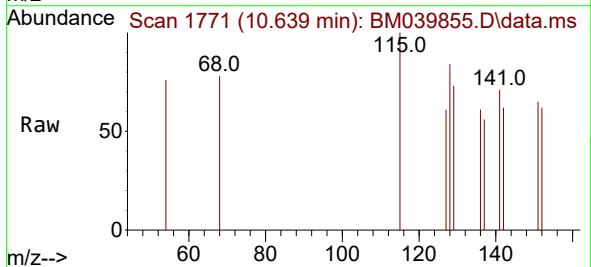
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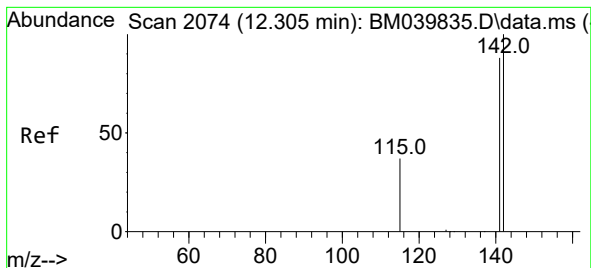
Tgt Ion: 88 Resp: 10
Ion Ratio Lower Upper
88 100
43 126.3 102.6 153.8
58 30.4 40.6 61.0#



#5
Naphthalene
Concen: 0.253 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.039 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

Tgt Ion:128 Resp: 7
Ion Ratio Lower Upper
128 100
129 87.8 9.8 14.6#
127 73.2 11.1 16.7#

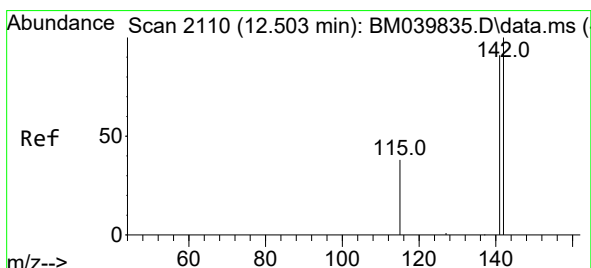
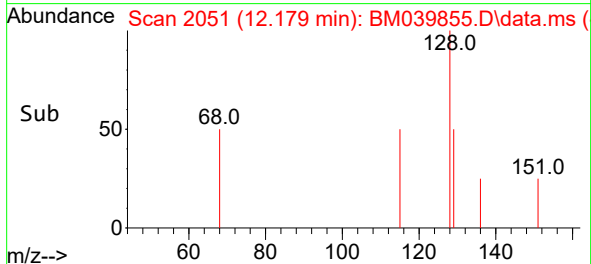
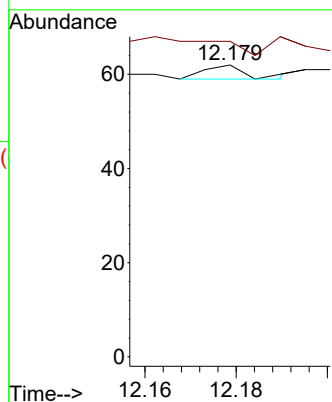
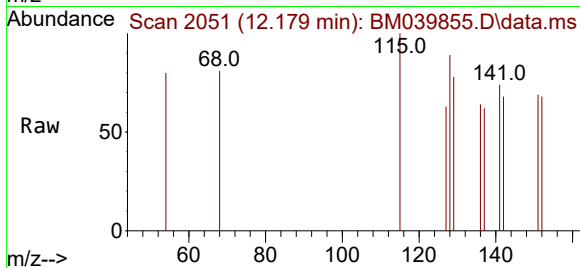




#7
2-Methylnaphthalene
Concen: 0.125 ng/ul
RT: 12.179 min Scan# 2074
Delta R.T. -0.127 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

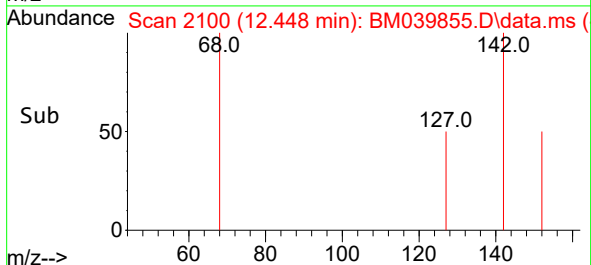
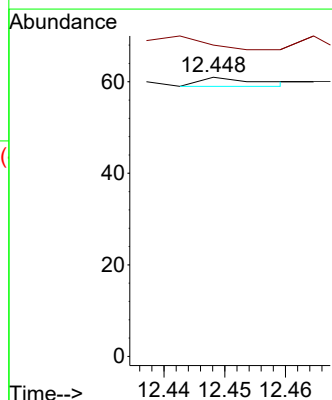
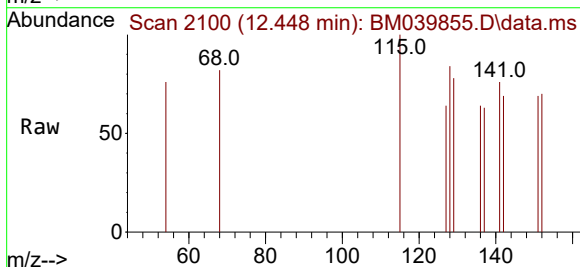
Instrument :
BNA_M
ClientSampleId :
EW952DL

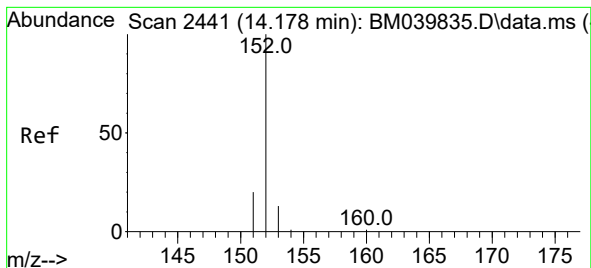
Tgt Ion:142 Resp: 2
Ion Ratio Lower Upper
142 100
141 100.0 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.448 min Scan# 2100
Delta R.T. -0.055 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

Tgt Ion:142 Resp: 1
Ion Ratio Lower Upper
142 100
141 600.0 73.4 110.2#





#10

Acenaphthylene

Concen: 6.071 ng/ul

RT: 14.215 min Scan# 2449

Delta R.T. 0.037 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Instrument :

BNA_M

ClientSampleId :

EW952DL

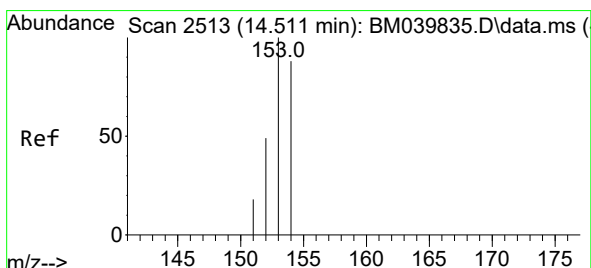
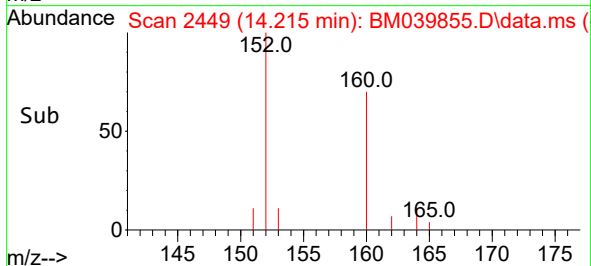
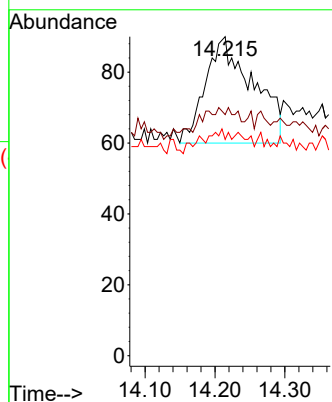
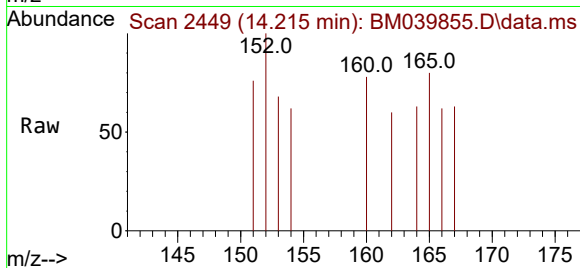
Tgt Ion:152 Resp: 141

Ion Ratio Lower Upper

152 100

151 75.6 16.0 24.0#

153 67.8 11.2 16.8#



#11

Acenaphthene

Concen: 0.384 ng/ul

RT: 14.441 min Scan# 2498

Delta R.T. -0.069 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

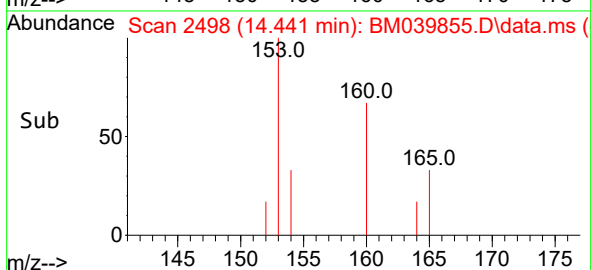
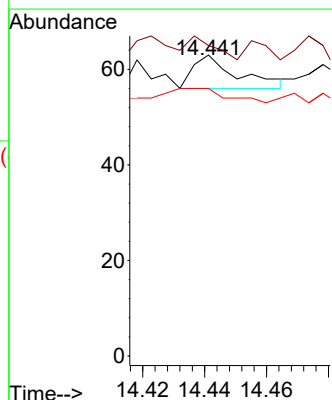
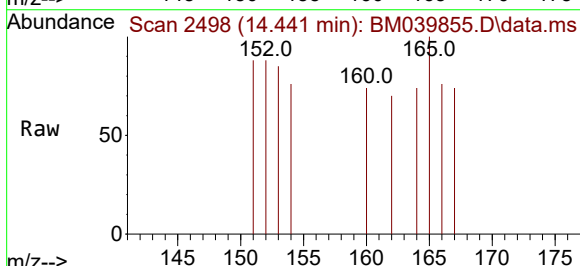
Tgt Ion:153 Resp: 7

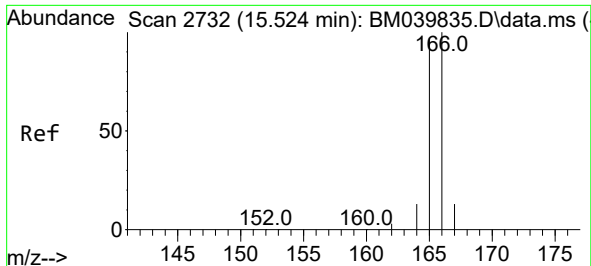
Ion Ratio Lower Upper

153 100

152 103.2 40.6 61.0#

154 88.9 71.9 107.9

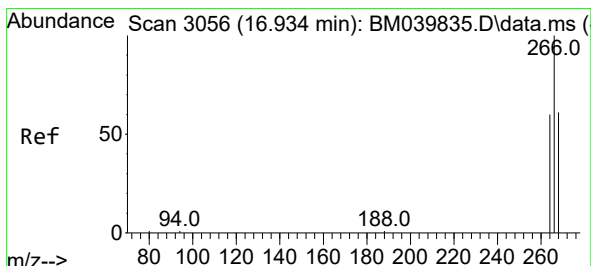
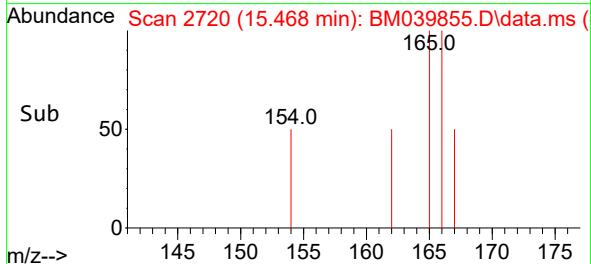
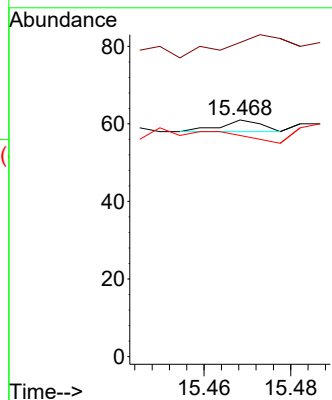
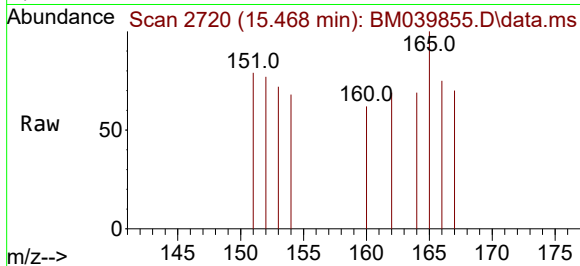




#12
Fluorene
Concen: 0.099 ng/ul
RT: 15.468 min Scan# 21
Delta R.T. -0.056 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

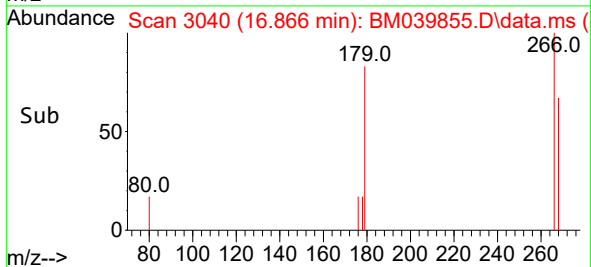
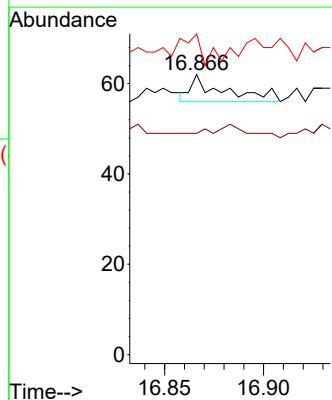
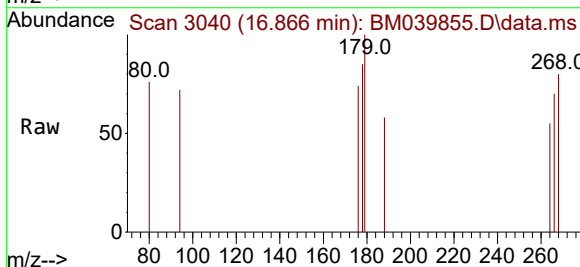
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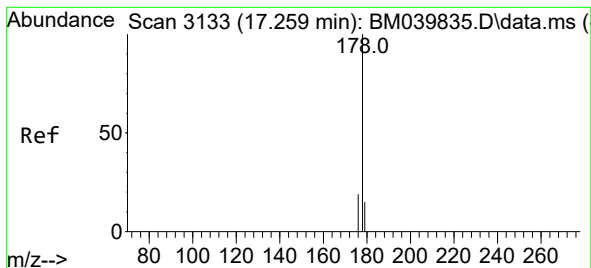
Tgt Ion:166 Resp: 2
Ion Ratio Lower Upper
166 100
165 132.8 79.0 118.6#
167 93.4 11.8 17.6#



#14
Pentachlorophenol
Concen: 6.424 ng/ul
RT: 16.866 min Scan# 3040
Delta R.T. -0.068 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

Tgt Ion:266 Resp: 7
Ion Ratio Lower Upper
266 100
264 0.0 48.8 73.2#
268 71.4 50.4 75.6





#15

Phenanthrene

Concen: 0.380 ng/ul

RT: 17.166 min Scan# 3111

Delta R.T. -0.093 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

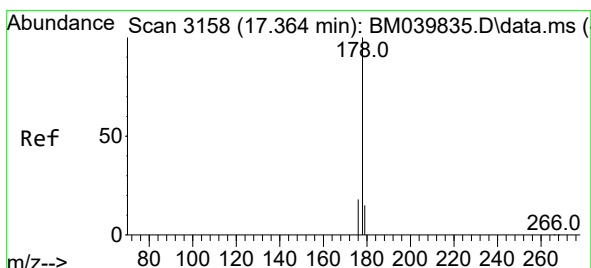
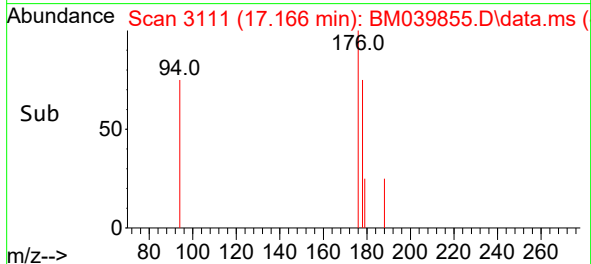
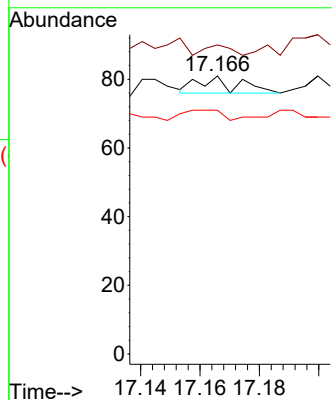
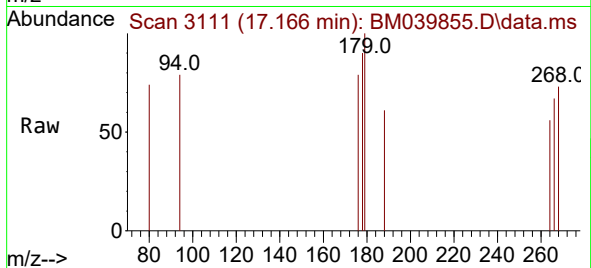
Instrument :

BNA_M

ClientSampleId :

EW952DL

Tgt Ion:	178	Resp:	5
Ion	Ratio	Lower	Upper
178	100		
179	111.1	13.0	19.6#
176	87.7	15.8	23.8#



#16

Anthracene

Concen: 6.277 ng/ul

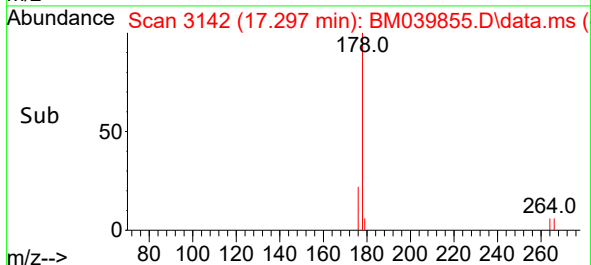
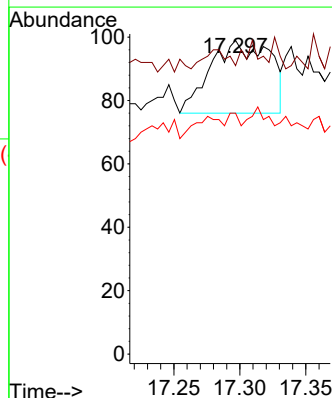
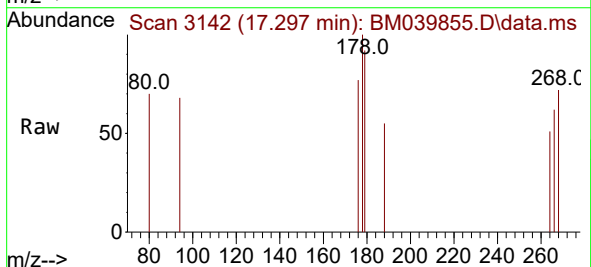
RT: 17.297 min Scan# 3142

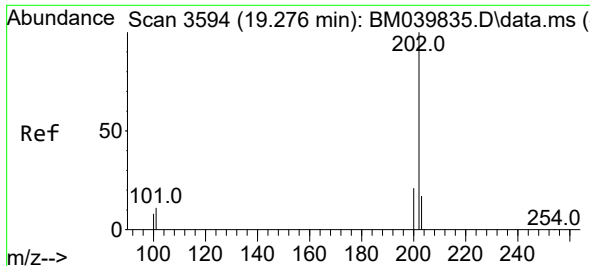
Delta R.T. -0.068 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Tgt Ion:	178	Resp:	71
Ion	Ratio	Lower	Upper
178	100		
179	91.9	13.8	20.6#
176	76.8	15.8	23.8#

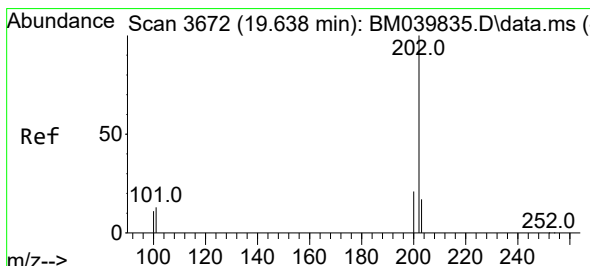
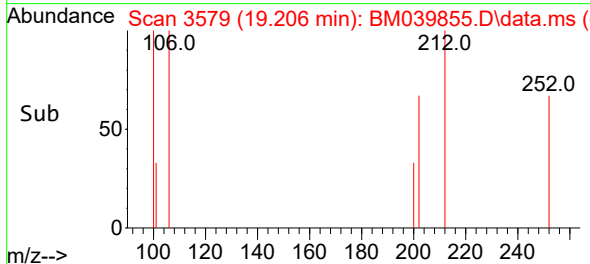
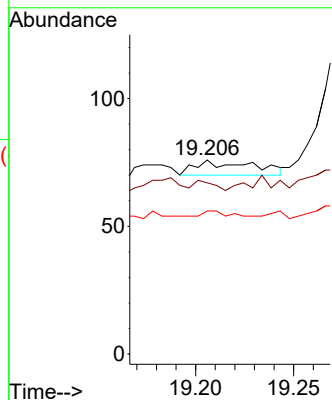
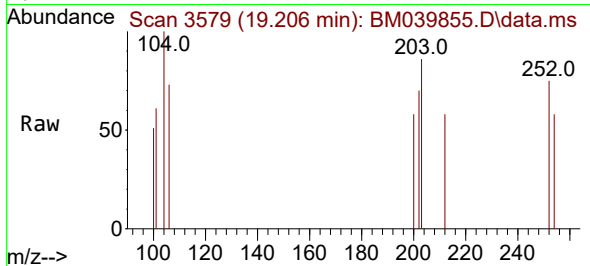




#19
Fluoranthene
Concen: 1.682 ng/ul
RT: 19.206 min Scan# 3579
Delta R.T. -0.070 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

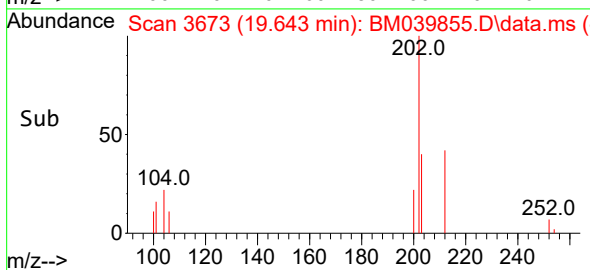
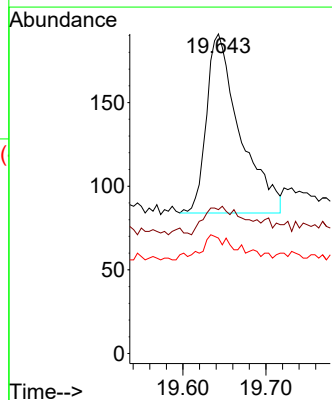
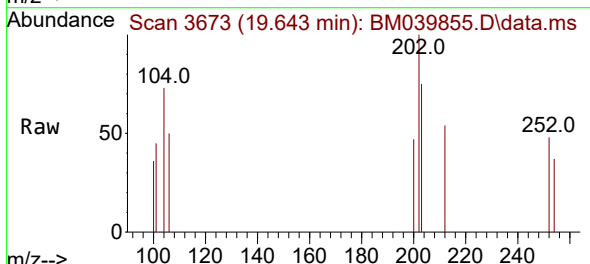
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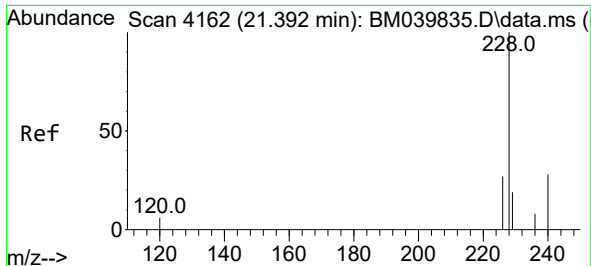
Tgt Ion:202 Resp: 12
Ion Ratio Lower Upper
202 100
101 88.2 9.8 14.8#
100 73.7 7.3 10.9#



#20
Pyrene
Concen: 38.934 ng/ul
RT: 19.643 min Scan# 3673
Delta R.T. 0.005 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

Tgt Ion:202 Resp: 300
Ion Ratio Lower Upper
202 100
101 45.0 10.9 16.3#
100 36.1 8.9 13.3#

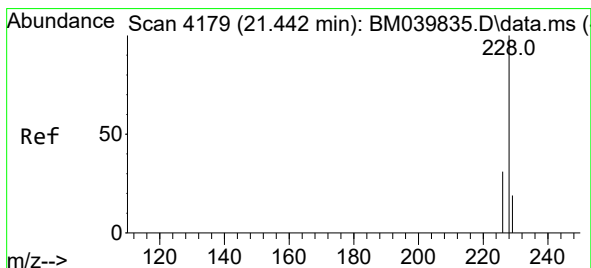
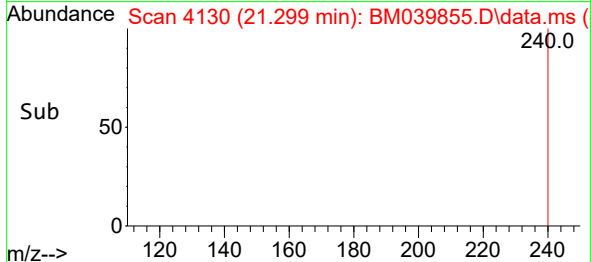
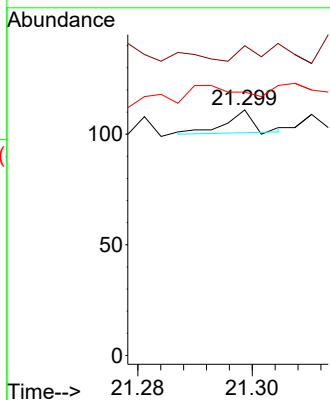
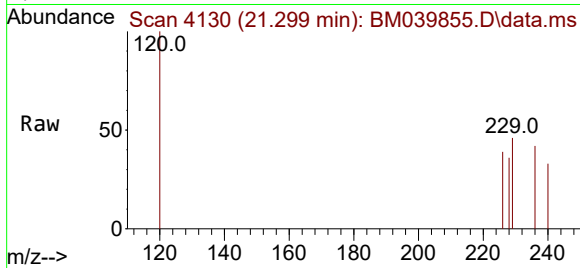




#21
Benzo(a)anthracene
Concen: 0.696 ng/ul
RT: 21.299 min Scan# 4162
Delta R.T. -0.093 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

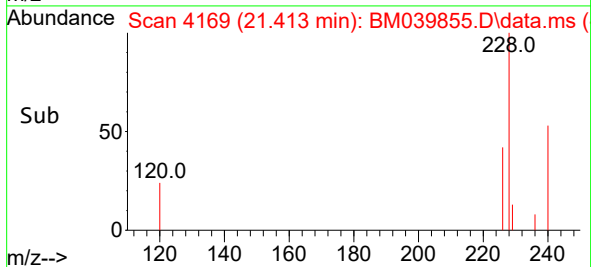
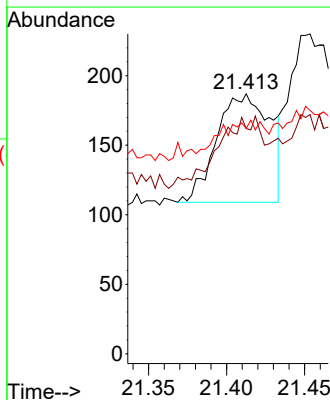
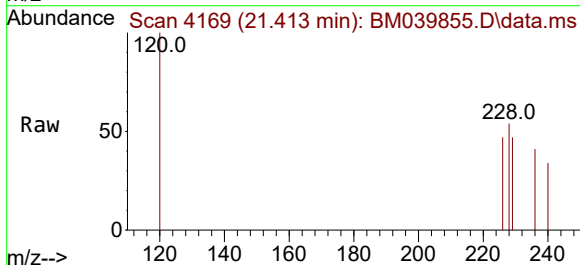
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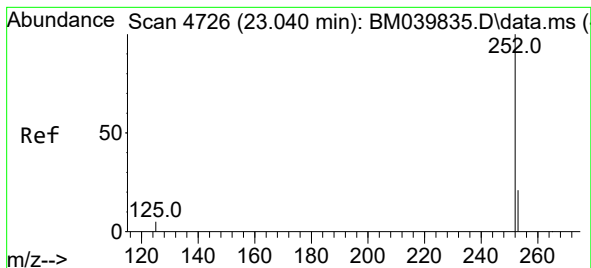
Tgt Ion:228 Resp: 4
Ion Ratio Lower Upper
228 100
229 126.1 16.2 24.2#
226 107.2 21.6 32.4#



#22
Chrysene
Concen: 28.429 ng/ul
RT: 21.413 min Scan# 4169
Delta R.T. -0.029 min
Lab File: BM039855.D
Acq: 05 May 2023 21:09

Tgt Ion:228 Resp: 185
Ion Ratio Lower Upper
228 100
226 86.6 24.3 36.5#
229 86.6 15.9 23.9#





#24

Benzo(b)fluoranthene

Concen: 0.085 ng/ul

RT: 22.903 min Scan# 4

Delta R.T. -0.137 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Instrument :

BNA_M

ClientSampleId :

EW952DL

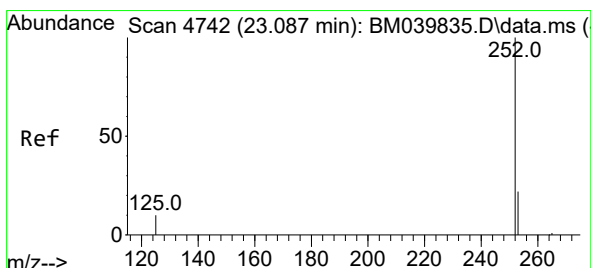
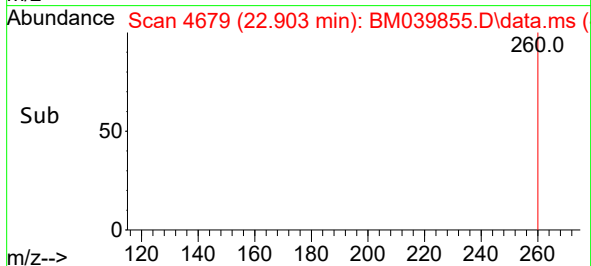
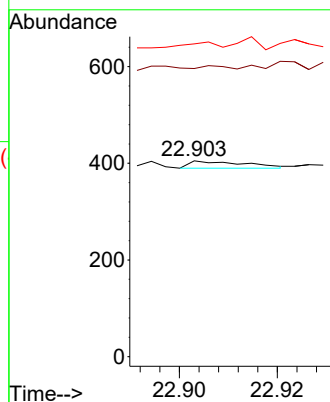
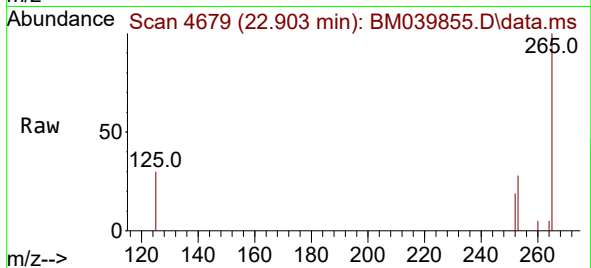
Tgt Ion:252 Resp: 12

Ion Ratio Lower Upper

252 100

253 147.2 0.0 52.8#

125 159.8 0.0 31.6#



#25

Benzo(k)fluoranthene

Concen: 0.098 ng/ul

RT: 22.959 min Scan# 4698

Delta R.T. -0.129 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

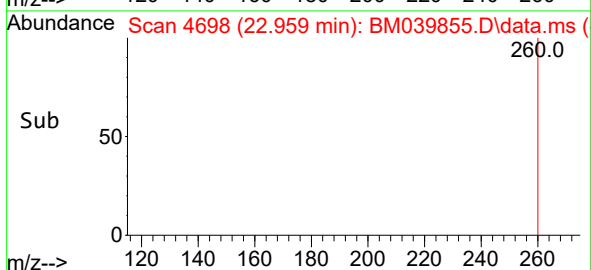
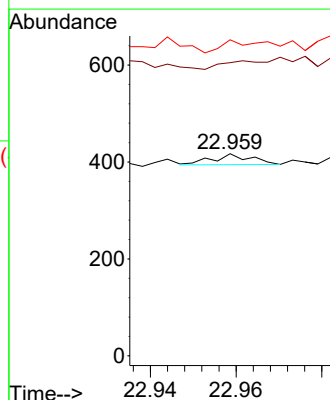
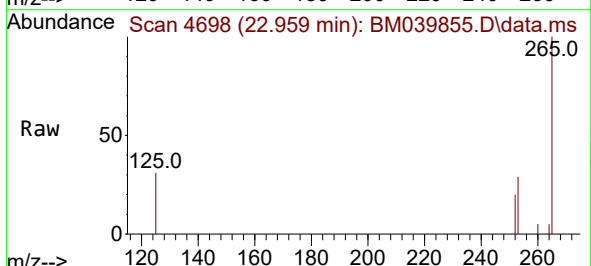
Tgt Ion:252 Resp: 14

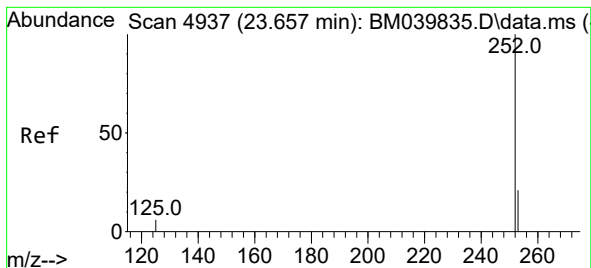
Ion Ratio Lower Upper

252 100

253 145.1 21.3 31.9#

125 156.4 13.0 19.6#





#26

Benzo(a)pyrene

Concen: 0.111 ng/ul

RT: 23.517 min Scan# 41

Delta R.T. -0.140 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Instrument :

BNA_M

ClientSampleId :

EW952DL

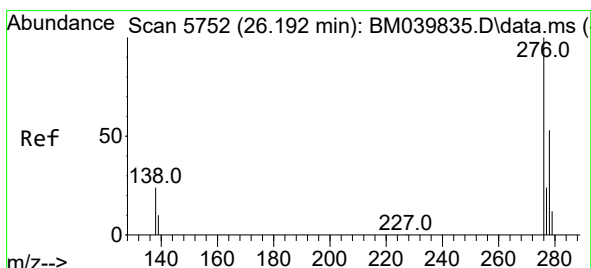
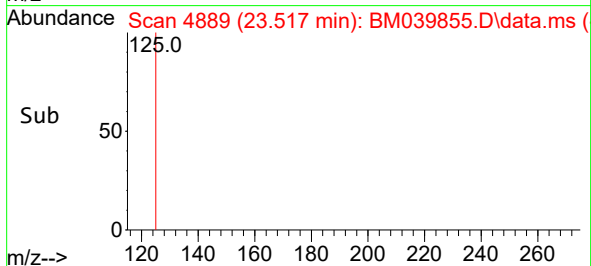
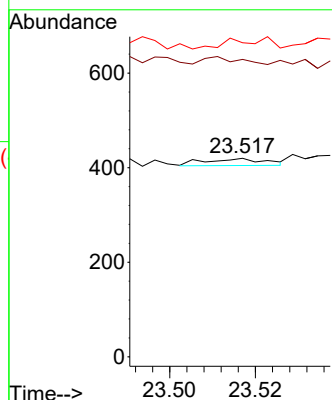
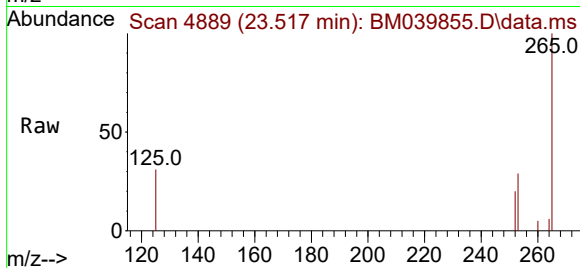
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 149.8 24.7 37.1#

125 158.1 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.038 ng/ul

RT: 26.045 min Scan# 5708

Delta R.T. -0.148 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

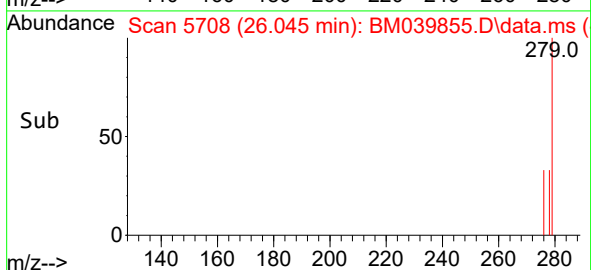
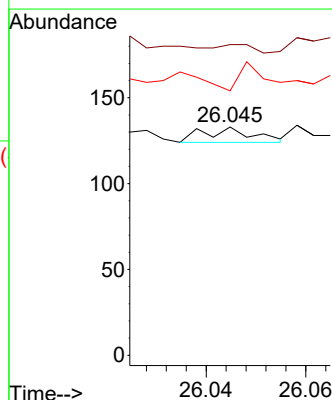
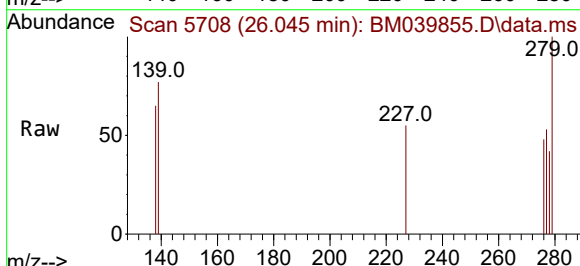
Tgt Ion:276 Resp: 6

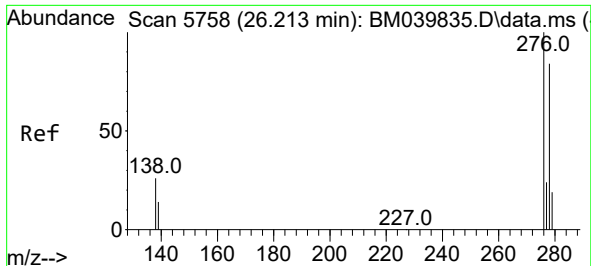
Ion Ratio Lower Upper

276 100

138 0.0 21.1 31.7#

227 133.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.040 ng/ul

RT: 26.065 min Scan# 51

Delta R.T. -0.148 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Instrument :

BNA_M

ClientSampleId :

EW952DL

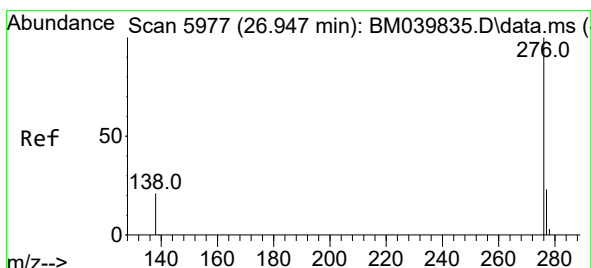
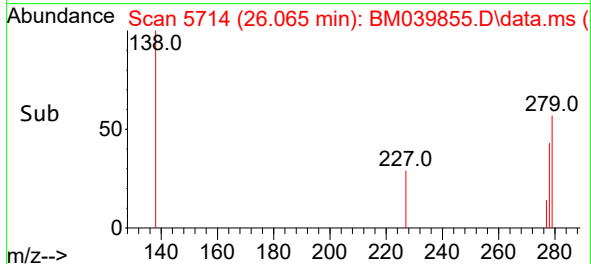
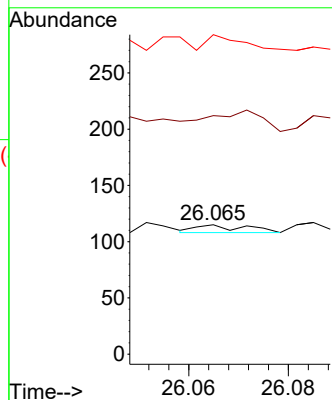
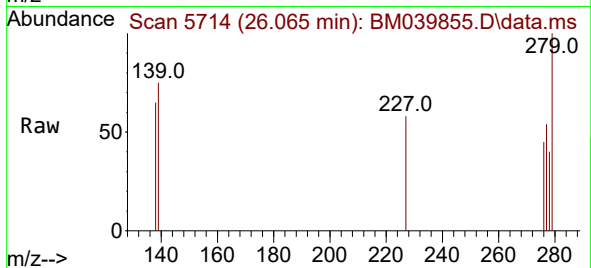
Tgt Ion:278 Resp: 5

Ion Ratio Lower Upper

278 100

139 184.3 17.0 25.6#

279 247.0 23.4 35.2#



#29

Benzo(g,h,i)perylene

Concen: 0.058 ng/ul

RT: 26.803 min Scan# 5934

Delta R.T. -0.144 min

Lab File: BM039855.D

Acq: 05 May 2023 21:09

Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

276 100

138 140.9 20.1 30.1#

277 115.9 20.1 30.1#

