

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051623\
 Data File : BM039939.D
 Acq On : 16 May 2023 18:03
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV042

Quant Time: May 17 01:48:10 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 17 01:47:11 2023
 Response via : Initial Calibration

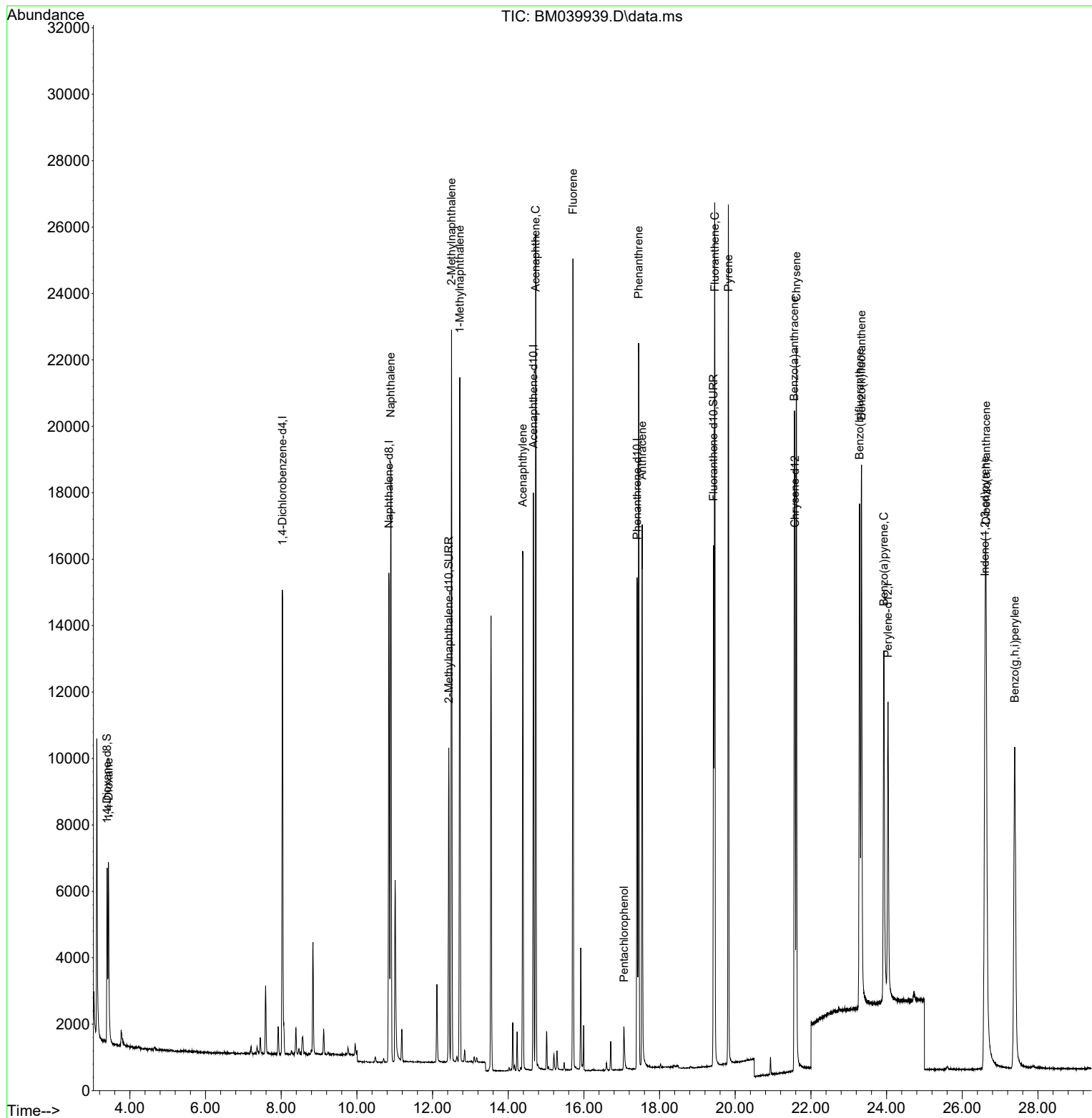
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	6841	0.400	ng/ul	0.00
4) Naphthalene-d8	10.847	136	19828	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.667	164	8654	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.409	188	16728	0.400	ng/ul	0.00
17) Chrysene-d12	21.580	240	10801	0.400	ng/ul	0.00
23) Perylene-d12	24.039	264	12864	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	3827	0.452	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.430	152	11750	0.501	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	15893	0.539	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	4050	0.449	ng/ul	98
5) Naphthalene	10.896	128	24227	0.472	ng/ul	100
7) 2-Methylnaphthalene	12.502	142	14462	0.484	ng/ul	99
8) 1-Methylnaphthalene	12.722	142	13538	0.432	ng/ul	100
10) Acenaphthylene	14.384	152	17223	0.482	ng/ul	100
11) Acenaphthene	14.727	153	14162	0.479	ng/ul	98
12) Fluorene	15.712	166	14830	0.471	ng/ul	98
14) Pentachlorophenol	17.059	266	1176	0.394	ng/ul	98
15) Phenanthrene	17.447	178	22632	0.464	ng/ul	100
16) Anthracene	17.540	178	17951	0.451	ng/ul	99
19) Fluoranthene	19.460	202	21291	0.479	ng/ul	99
20) Pyrene	19.822	202	21037	0.478	ng/ul	95
21) Benzo(a)anthracene	21.563	228	15759	0.483	ng/ul	100
22) Chrysene	21.615	228	19353	0.495	ng/ul	100
24) Benzo(b)fluoranthene	23.287	252	20976	0.458	ng/ul	99
25) Benzo(k)fluoranthene	23.337	252	22595	0.448	ng/ul	99
26) Benzo(a)pyrene	23.927	252	18454	0.480	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.603	276	26709	0.484	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.630	278	21624	0.487	ng/ul	99
29) Benzo(g,h,i)perylene	27.388	276	23133	0.473	ng/ul	98

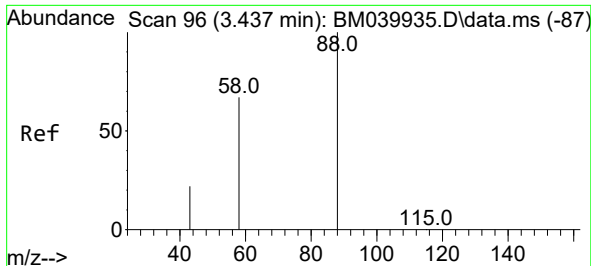
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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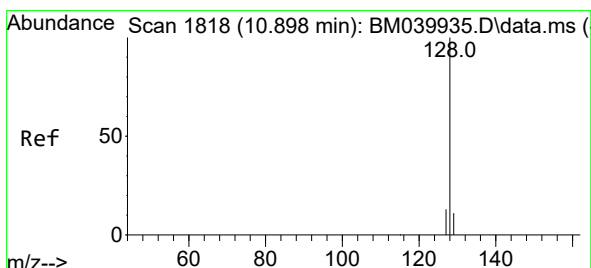
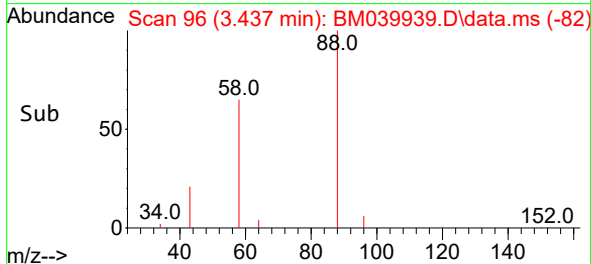
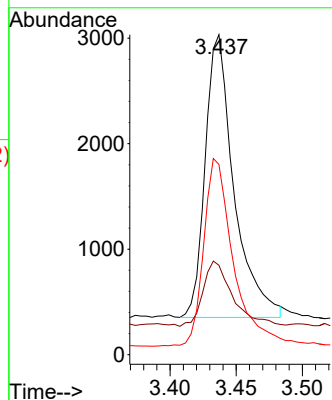
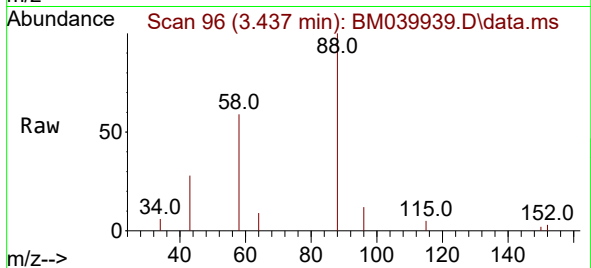




#2
1,4-Dioxane
Concen: 0.449 ng/ul
RT: 3.437 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

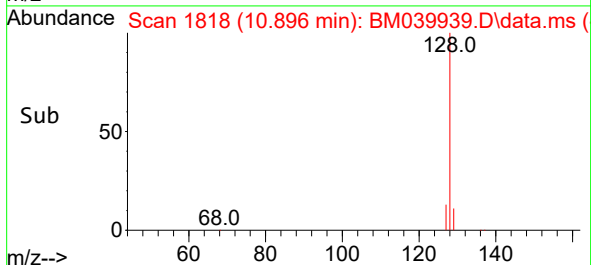
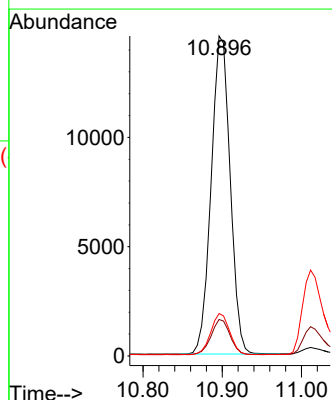
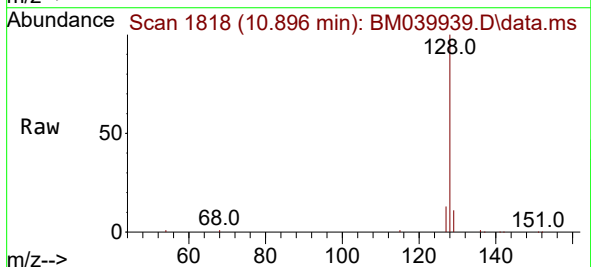
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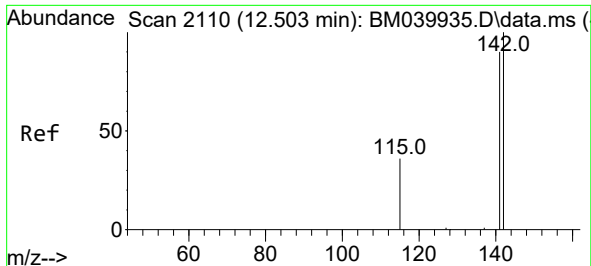
Tgt Ion: 88 Resp: 4050
Ion Ratio Lower Upper
88 100
43 28.0 20.1 30.1
58 59.4 47.4 71.2



#5
Naphthalene
Concen: 0.472 ng/ul
RT: 10.896 min Scan# 1818
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion: 128 Resp: 24227
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.3 10.5 15.7

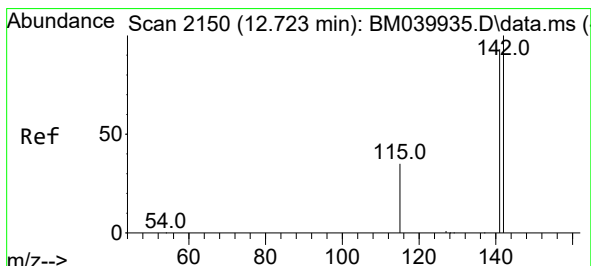
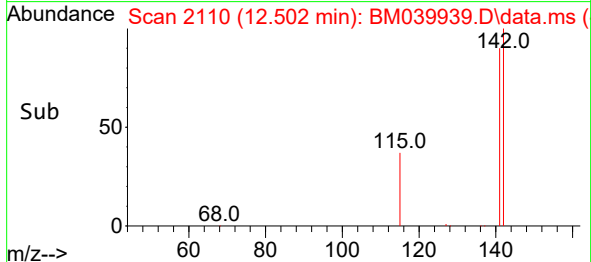
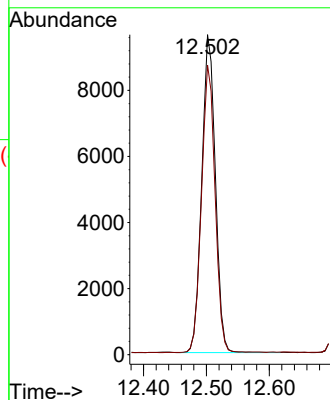
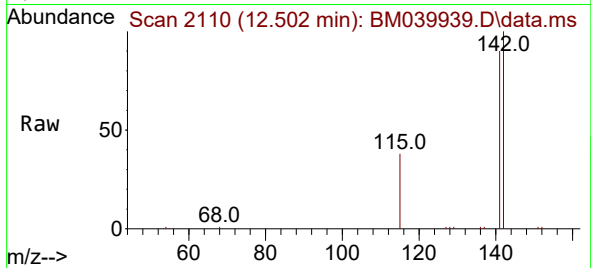




#7
2-Methylnaphthalene
Concen: 0.484 ng/ul
RT: 12.502 min Scan# 2110
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

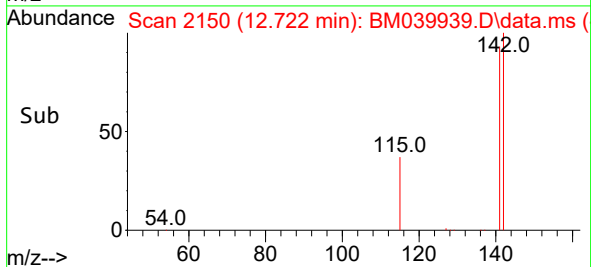
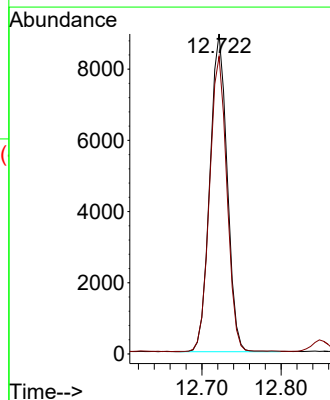
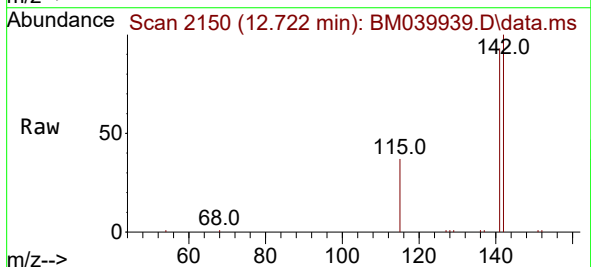
Instrument :
BNA_M
ClientSampleId :
SICV042

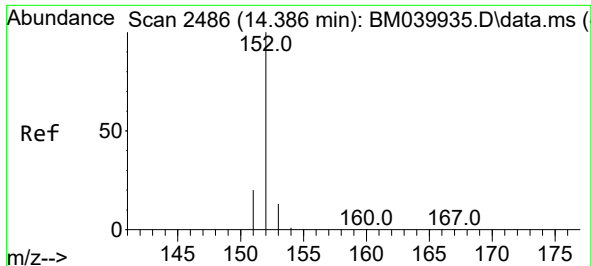
Tgt Ion:142 Resp: 14462
Ion Ratio Lower Upper
142 100
141 90.3 72.7 109.1



#8
1-Methylnaphthalene
Concen: 0.432 ng/ul
RT: 12.722 min Scan# 2150
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:142 Resp: 13538
Ion Ratio Lower Upper
142 100
141 93.0 74.6 112.0

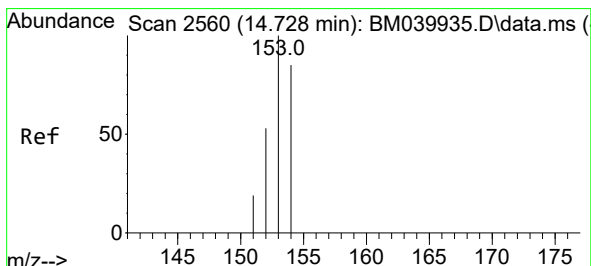
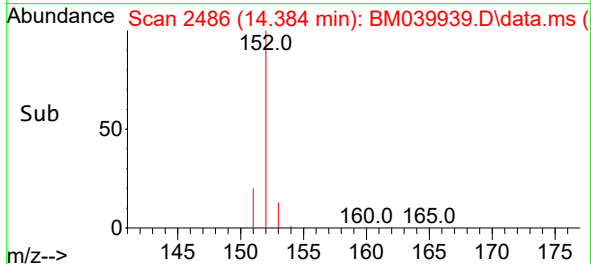
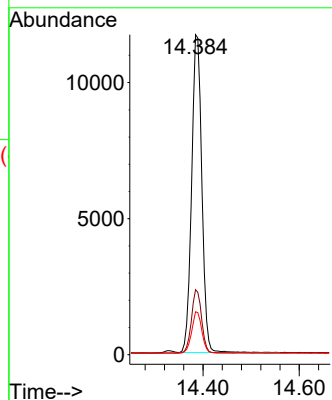
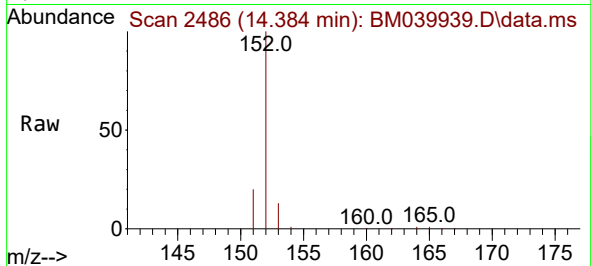




#10
Acenaphthylene
Concen: 0.482 ng/ul
RT: 14.384 min Scan# 2486
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

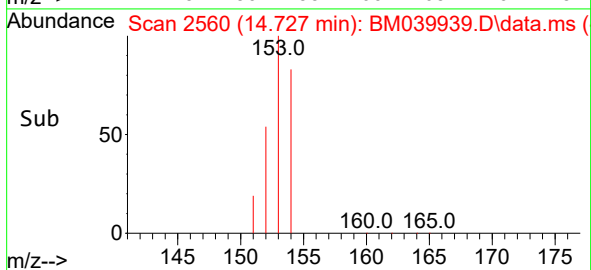
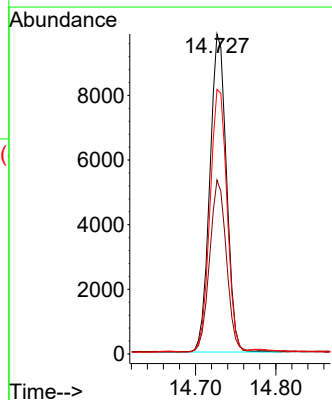
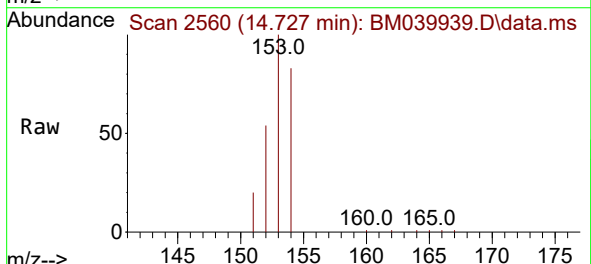
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ClientSampleId :
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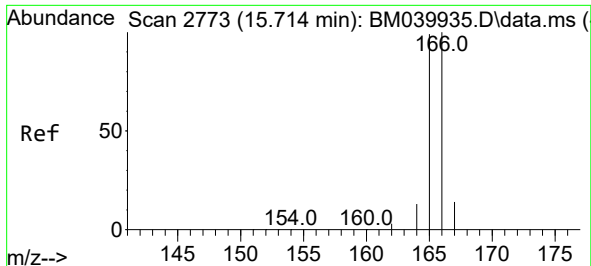
Tgt Ion:	152	Resp:	17223
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.4	24.6
153	13.4	10.9	16.3



#11
Acenaphthene
Concen: 0.479 ng/ul
RT: 14.727 min Scan# 2560
Delta R.T. -0.002 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:	153	Resp:	14162
Ion Ratio	Lower	Upper	
153	100		
152	54.4	43.1	64.7
154	82.7	67.8	101.6

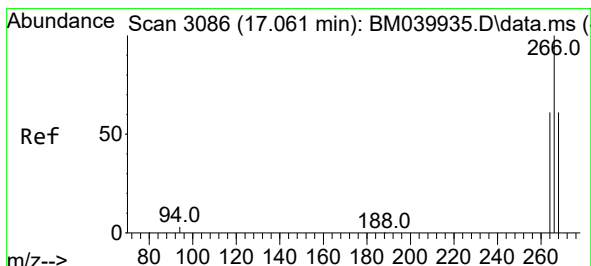
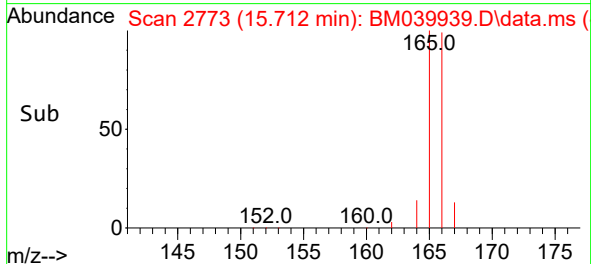
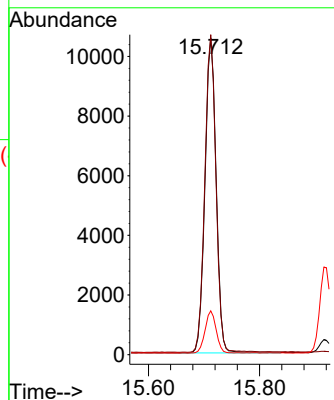
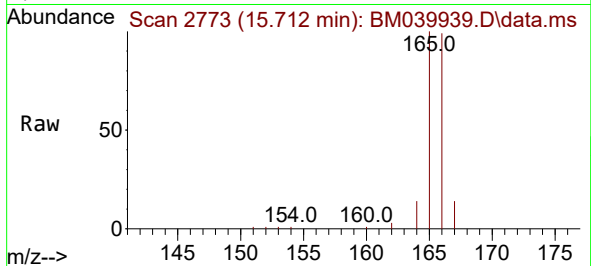




#12
Fluorene
Concen: 0.471 ng/ul
RT: 15.712 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

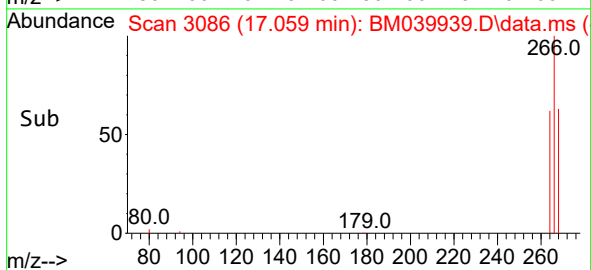
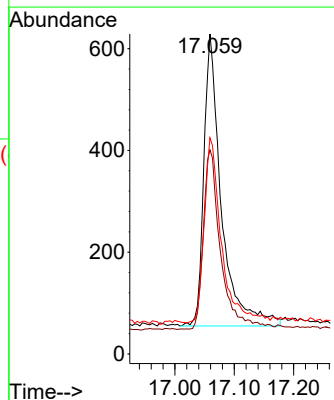
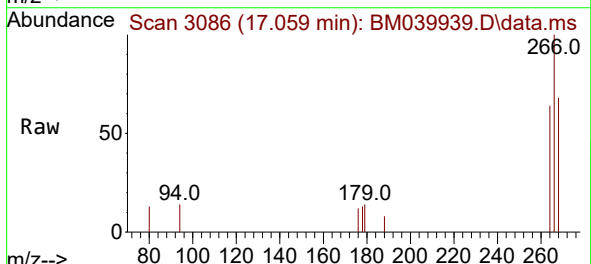
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BNA_M
ClientSampleId :
SICV042

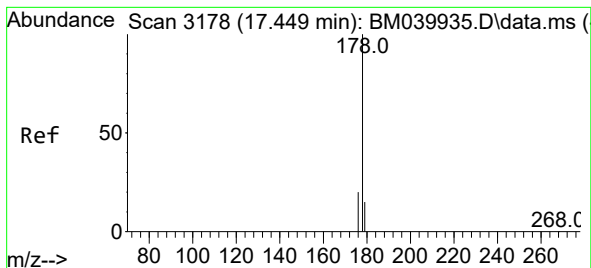
Tgt Ion:166 Resp: 14830
Ion Ratio Lower Upper
166 100
165 101.0 79.3 118.9
167 13.9 11.3 16.9



#14
Pentachlorophenol
Concen: 0.394 ng/ul
RT: 17.059 min Scan# 3086
Delta R.T. -0.001 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:266 Resp: 1176
Ion Ratio Lower Upper
266 100
264 60.5 48.9 73.3
268 62.4 51.5 77.3





#15

Phenanthrene

Concen: 0.464 ng/ul

RT: 17.447 min Scan# 31

Delta R.T. -0.001 min

Lab File: BM039939.D

Acq: 16 May 2023 18:03

Instrument :

BNA_M

ClientSampleId :

SICV042

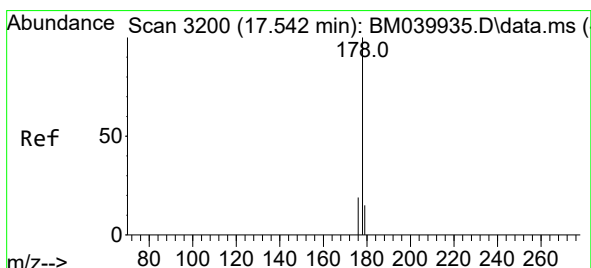
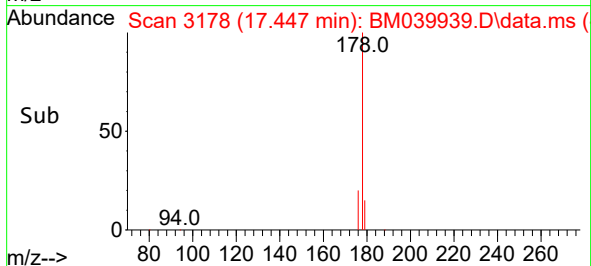
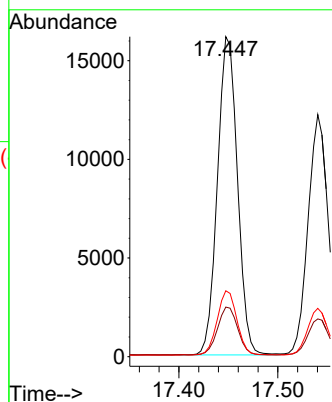
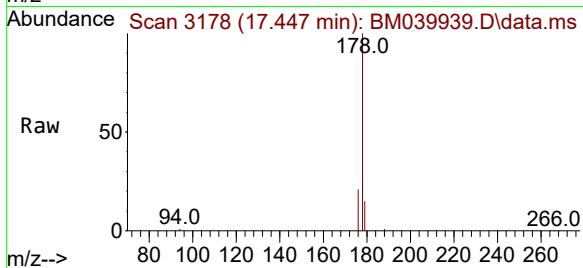
Tgt Ion:178 Resp: 22632

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 20.6 16.3 24.5



#16

Anthracene

Concen: 0.451 ng/ul

RT: 17.540 min Scan# 3200

Delta R.T. -0.001 min

Lab File: BM039939.D

Acq: 16 May 2023 18:03

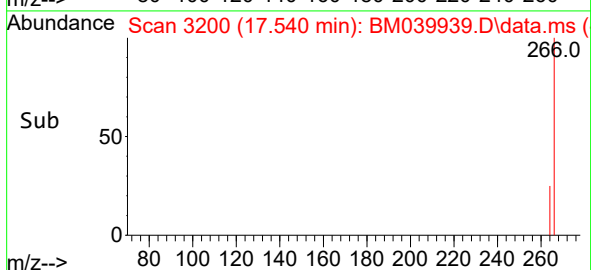
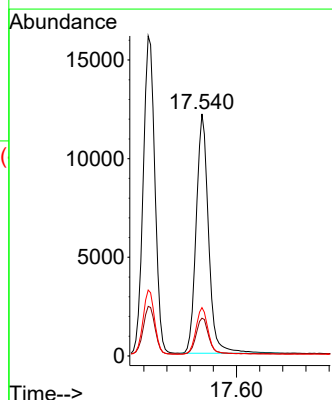
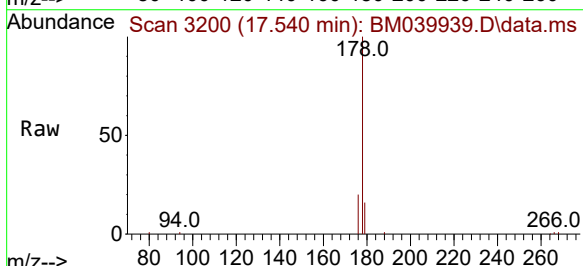
Tgt Ion:178 Resp: 17951

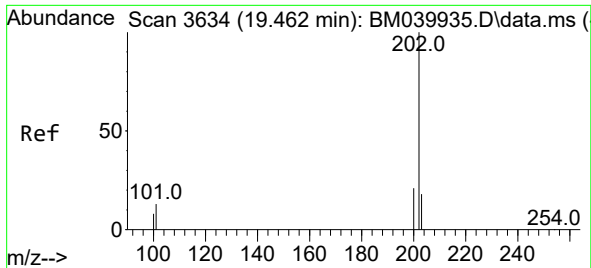
Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 20.0 15.4 23.2

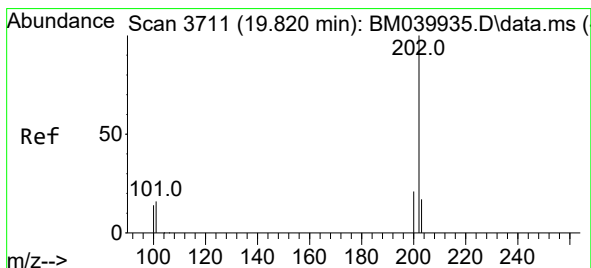
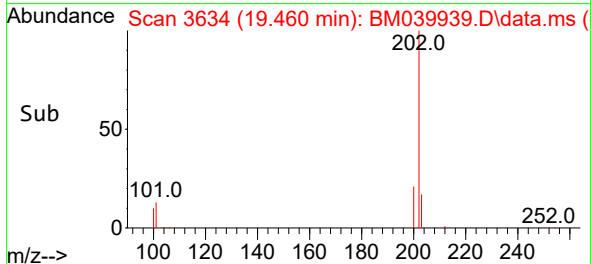
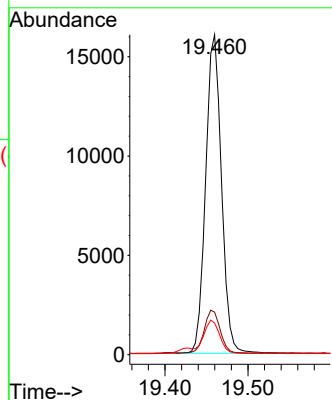
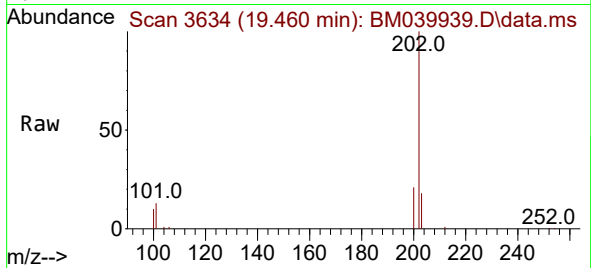




#19
Fluoranthene
Concen: 0.479 ng/ul
RT: 19.460 min Scan# 3634
Delta R.T. -0.002 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

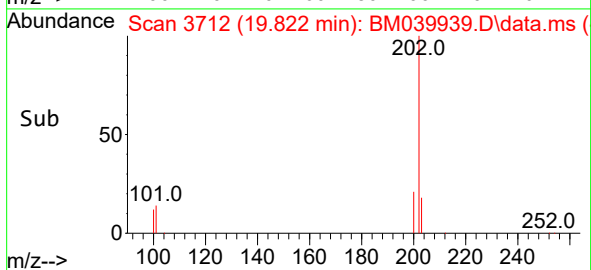
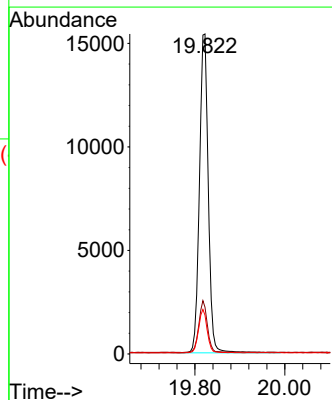
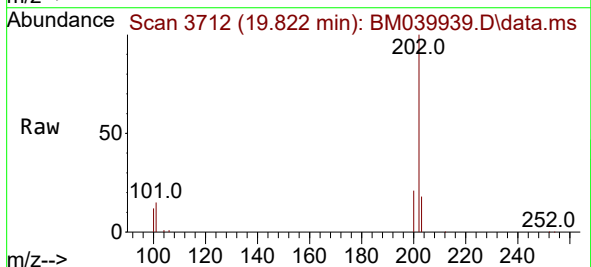
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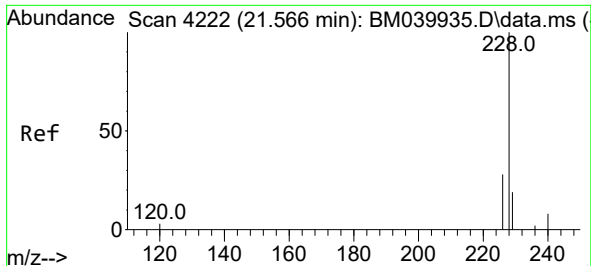
Tgt Ion:202 Resp: 21291
Ion Ratio Lower Upper
202 100
101 13.3 10.4 15.6
100 9.9 7.8 11.6



#20
Pyrene
Concen: 0.478 ng/ul
RT: 19.822 min Scan# 3712
Delta R.T. 0.003 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:202 Resp: 21037
Ion Ratio Lower Upper
202 100
101 14.6 13.4 20.0
100 12.1 11.0 16.6

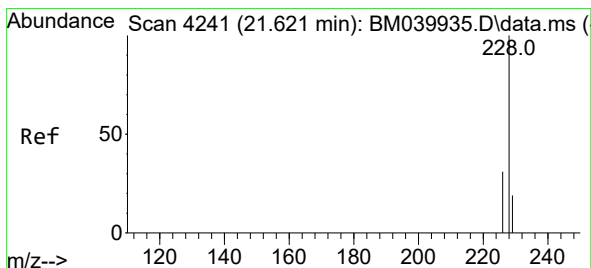
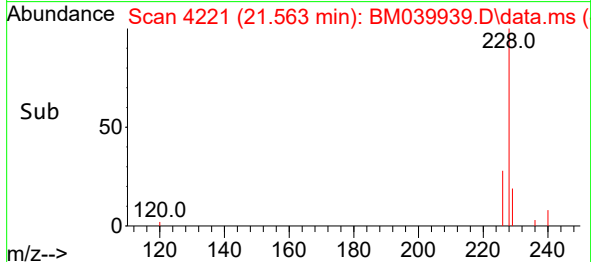
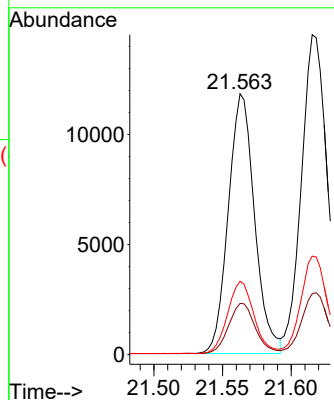
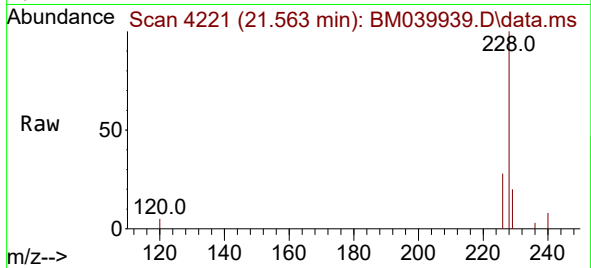




#21
Benzo(a)anthracene
Concen: 0.483 ng/ul
RT: 21.563 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

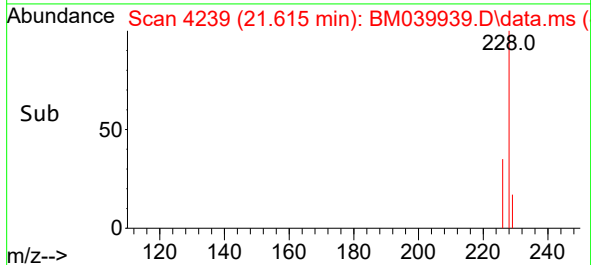
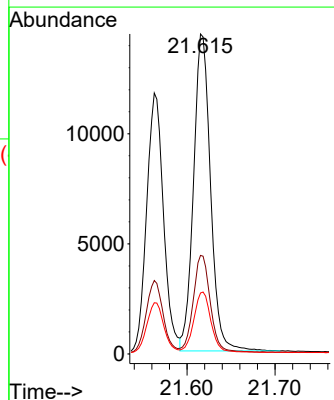
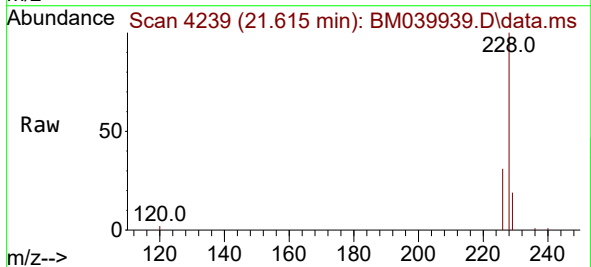
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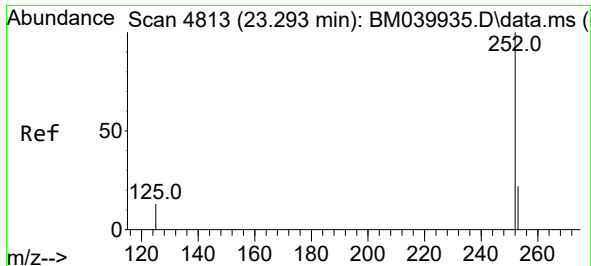
Tgt Ion:228 Resp: 15759
Ion Ratio Lower Upper
228 100
229 19.6 15.7 23.5
226 28.2 22.3 33.5



#22
Chrysene
Concen: 0.495 ng/ul
RT: 21.615 min Scan# 4239
Delta R.T. -0.006 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:228 Resp: 19353
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 19.1 15.6 23.4

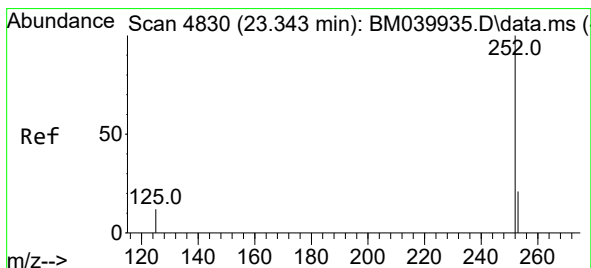
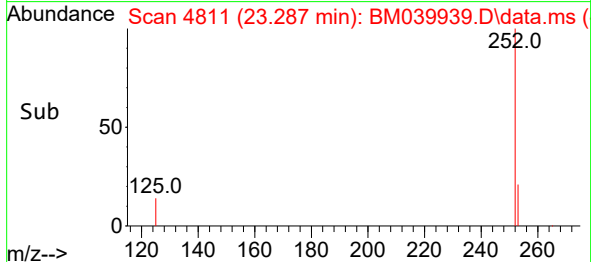
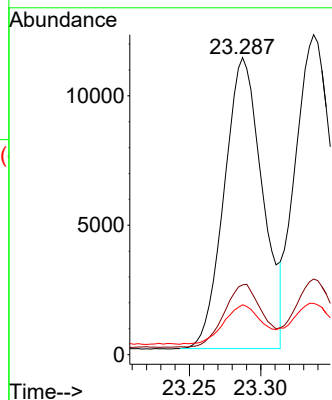
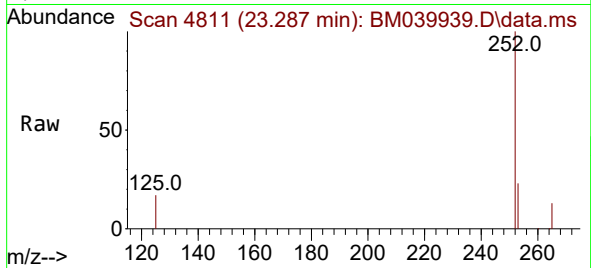




#24
Benzo(b)fluoranthene
Concen: 0.458 ng/ul
RT: 23.287 min Scan# 4811
Delta R.T. -0.006 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

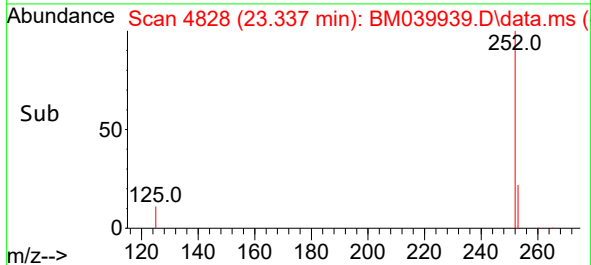
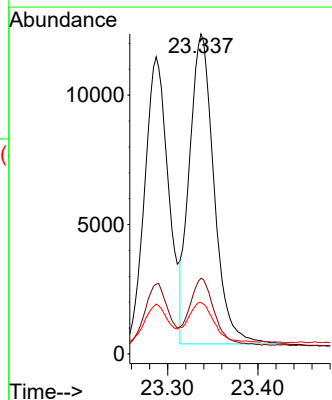
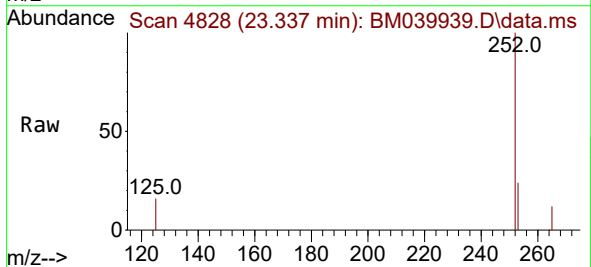
Instrument :
BNA_M
ClientSampleId :
SICV042

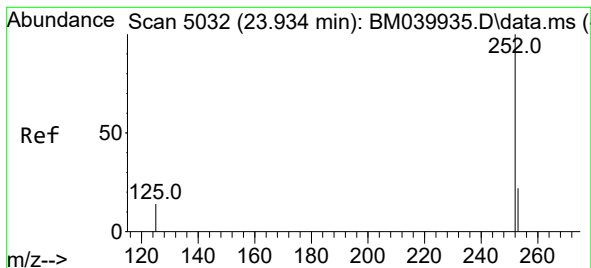
Tgt Ion:252 Resp: 20976
Ion Ratio Lower Upper
252 100
253 23.5 0.0 47.6
125 16.8 0.0 32.6



#25
Benzo(k)fluoranthene
Concen: 0.448 ng/ul
RT: 23.337 min Scan# 4828
Delta R.T. -0.006 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:252 Resp: 22595
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 16.1 12.9 19.3





#26

Benzo(a)pyrene

Concen: 0.480 ng/ul

RT: 23.927 min Scan# 5032

Delta R.T. -0.006 min

Lab File: BM039939.D

Acq: 16 May 2023 18:03

Instrument :

BNA_M

ClientSampleId :

SICV042

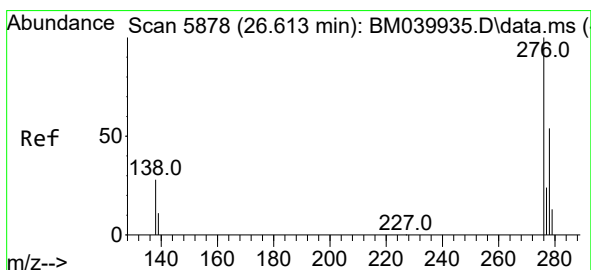
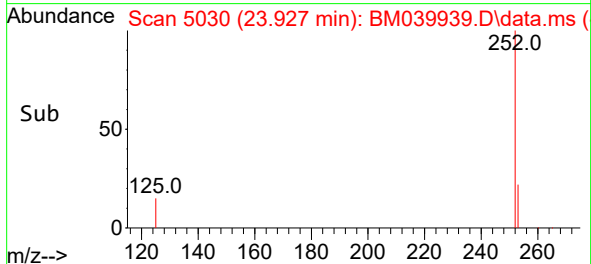
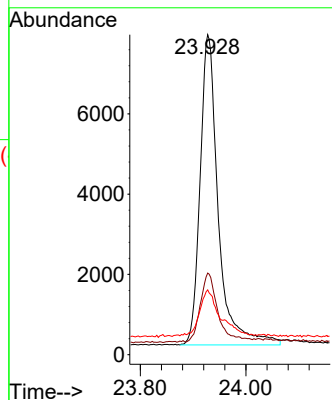
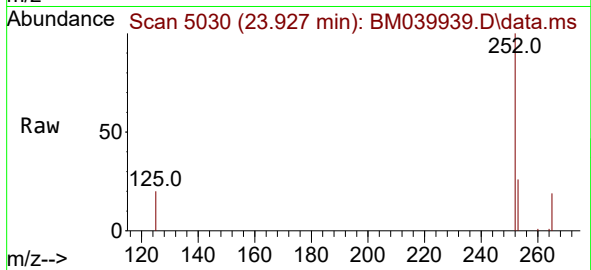
Tgt Ion:252 Resp: 18454

Ion Ratio Lower Upper

252 100

253 25.5 20.0 30.0

125 20.3 15.4 23.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.484 ng/ul

RT: 26.603 min Scan# 5875

Delta R.T. -0.010 min

Lab File: BM039939.D

Acq: 16 May 2023 18:03

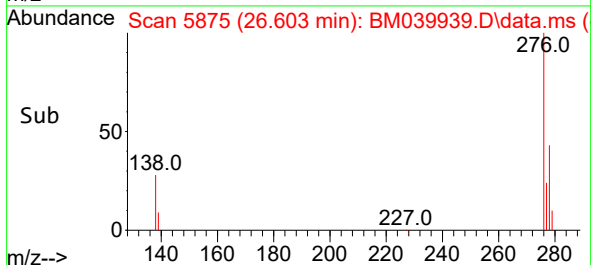
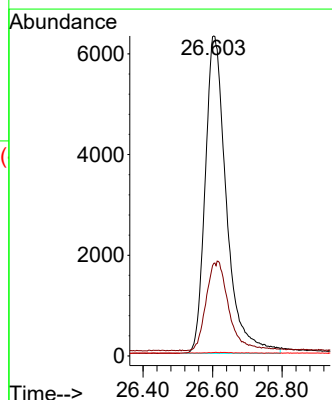
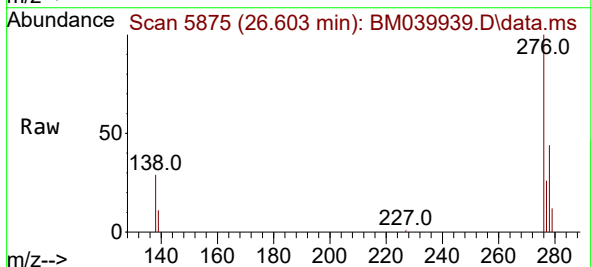
Tgt Ion:276 Resp: 26709

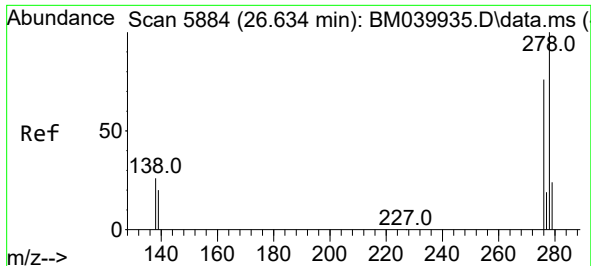
Ion Ratio Lower Upper

276 100

138 30.1 24.3 36.5

227 0.1 0.2 0.2#

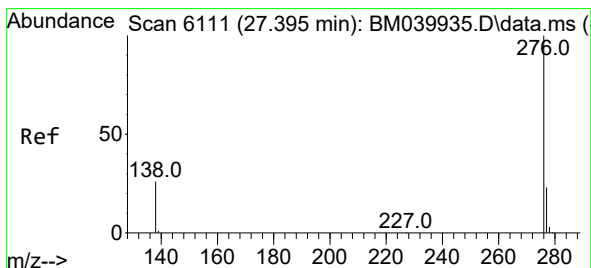
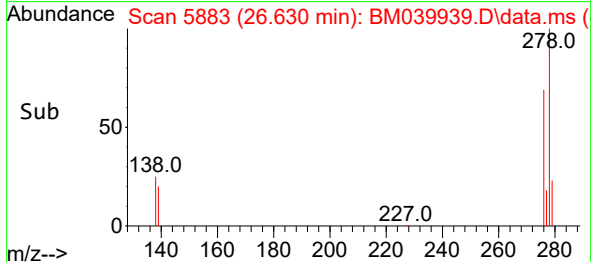
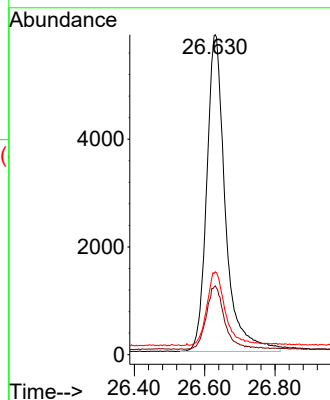
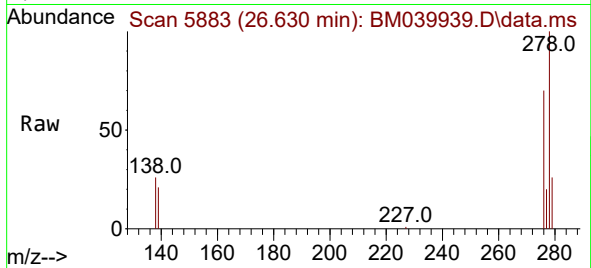




#28
Dibenzo(a,h)anthracene
Concen: 0.487 ng/ul
RT: 26.630 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Instrument :
BNA_M
ClientSampleId :
SICV042

Tgt Ion:278 Resp: 21624
Ion Ratio Lower Upper
278 100
139 21.5 16.9 25.3
279 25.9 21.4 32.0



#29
Benzo(g,h,i)perylene
Concen: 0.473 ng/ul
RT: 27.388 min Scan# 6109
Delta R.T. -0.007 min
Lab File: BM039939.D
Acq: 16 May 2023 18:03

Tgt Ion:276 Resp: 23133
Ion Ratio Lower Upper
276 100
138 26.8 22.4 33.6
277 24.8 19.5 29.3

