

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051623\
 Data File : BM039935.D
 Acq On : 16 May 2023 15:36
 Operator : CG/JU
 Sample : SSTD0.460
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4038

Quant Time: May 17 01:34:29 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 : Tue May 16 18:02:26 2023
 Response via : Initial Calibration

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

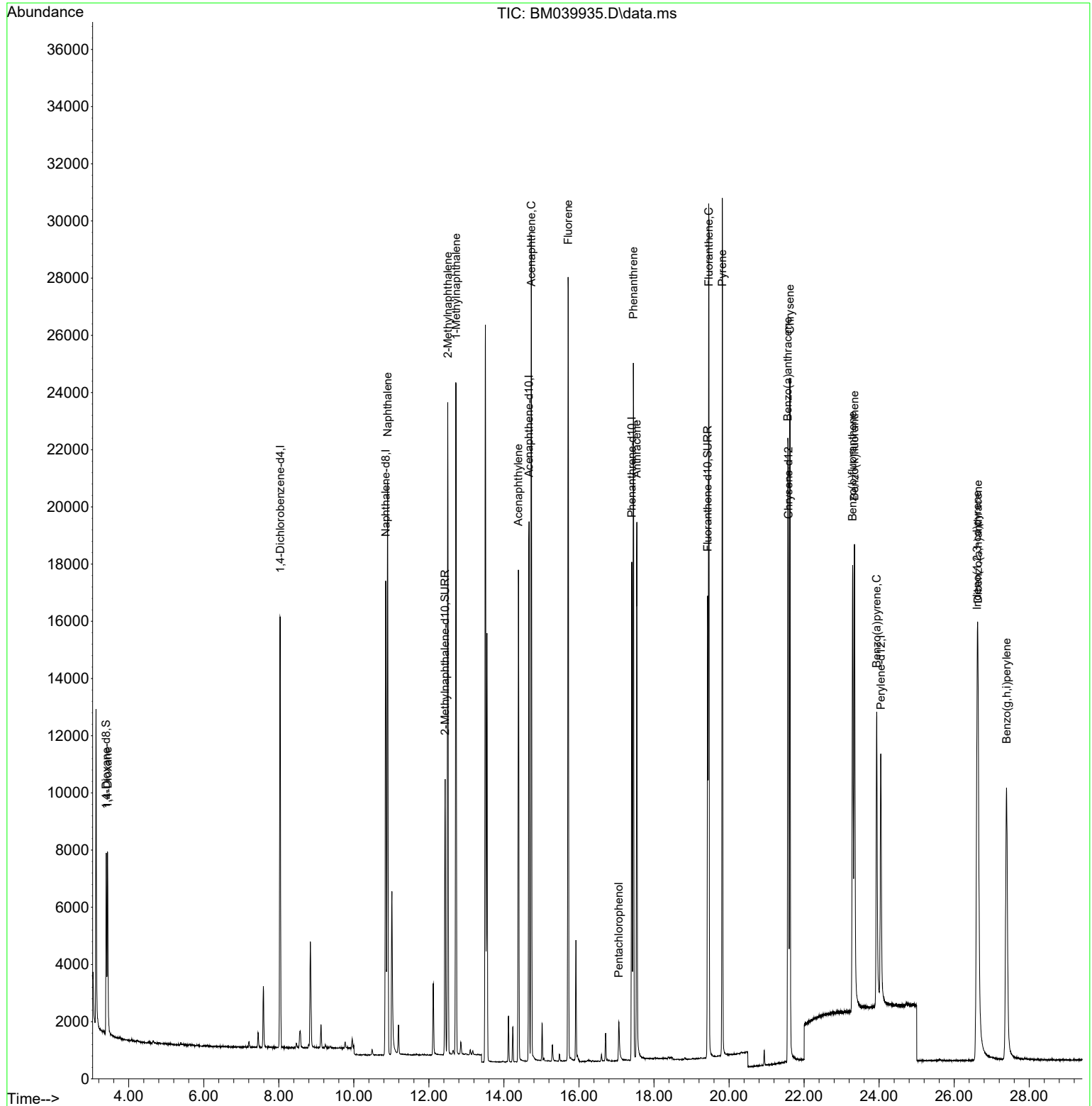
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.036	152	7418	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	21618	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.668	164	9699	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	18917	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	12140	0.400	ng/ul	0.00
23) Perylene-d12	24.045	264	12587	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	4324	0.466	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	11823	0.462	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	16181	0.488	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	4490	0.456	ng/ul	100
5) Naphthalene	10.898	128	26222	0.468	ng/ul	100
7) 2-Methylnaphthalene	12.503	142	15055	0.462	ng/ul	100
8) 1-Methylnaphthalene	12.723	142	15718	0.460	ng/ul	100
10) Acenaphthylene	14.386	152	19058	0.476	ng/ul	100
11) Acenaphthene	14.728	153	15811	0.477	ng/ul	100
12) Fluorene	15.714	166	16699	0.474	ng/ul	100
14) Pentachlorophenol	17.061	266	1395	0.434	ng/ul	100
15) Phenanthrene	17.449	178	25405	0.461	ng/ul	100
16) Anthracene	17.542	178	20422	0.454	ng/ul	100
19) Fluoranthene	19.462	202	24174	0.484	ng/ul	100
20) Pyrene	19.820	202	23565	0.476	ng/ul	100
21) Benzo(a)anthracene	21.566	228	17637	0.481	ng/ul	100
22) Chrysene	21.621	228	21396	0.487	ng/ul	100
24) Benzo(b)fluoranthene	23.293	252	21856	0.488	ng/ul	100
25) Benzo(k)fluoranthene	23.343	252	22570	0.457	ng/ul	100
26) Benzo(a)pyrene	23.934	252	17813	0.473	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.613	276	25327	0.469	ng/ul	100
28) Dibenzo(a,h)anthracene	26.634	278	20098	0.462	ng/ul	100
29) Benzo(g,h,i)perylene	27.395	276	23009	0.481	ng/ul	100

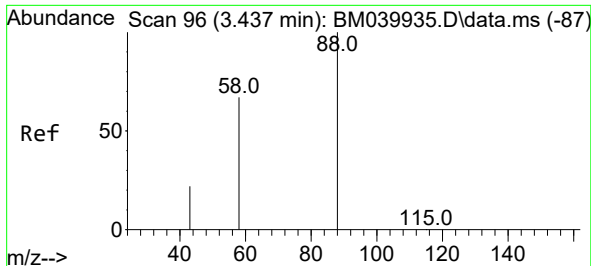
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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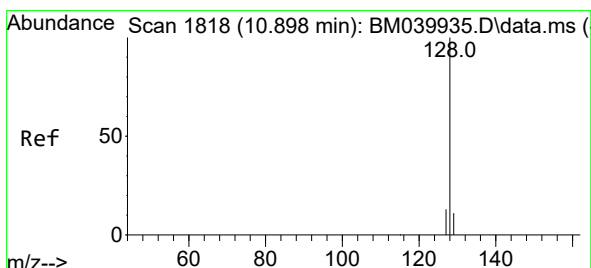
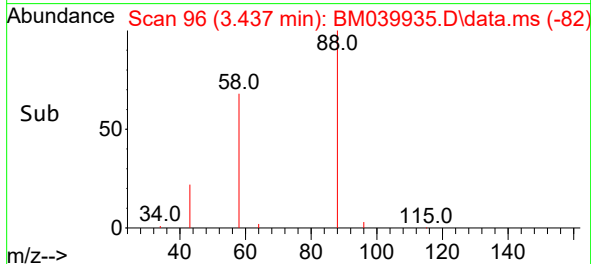
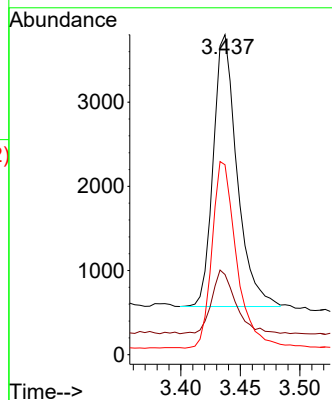
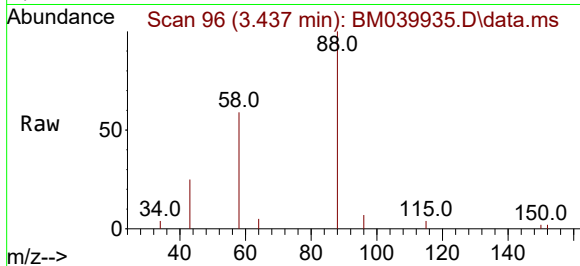




#2
1,4-Dioxane
Concen: 0.456 ng/ul
RT: 3.437 min Scan# 96
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

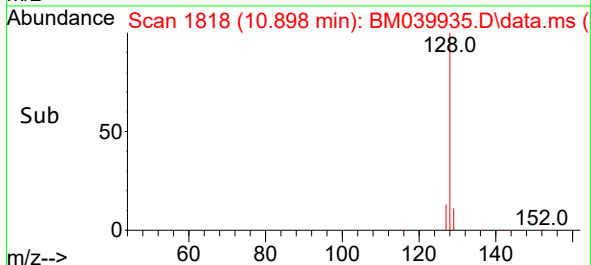
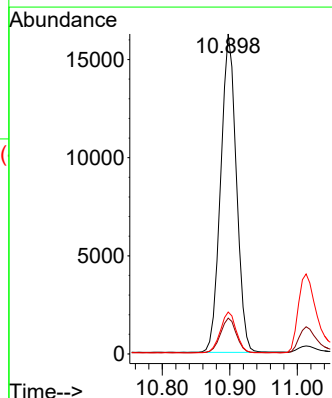
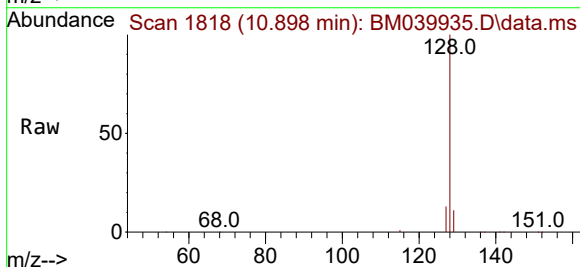
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

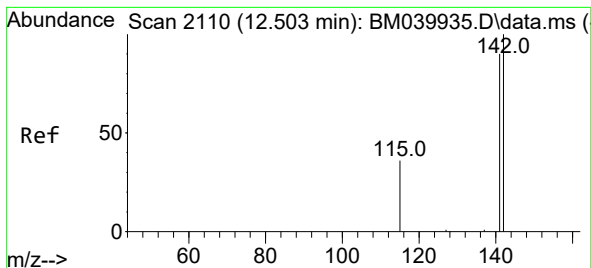
Tgt Ion: 88 Resp: 4490
Ion Ratio Lower Upper
88 100
43 25.1 20.1 30.1
58 59.3 47.4 71.2



#5
Naphthalene
Concen: 0.468 ng/ul
RT: 10.898 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion: 128 Resp: 26222
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.1 10.5 15.7

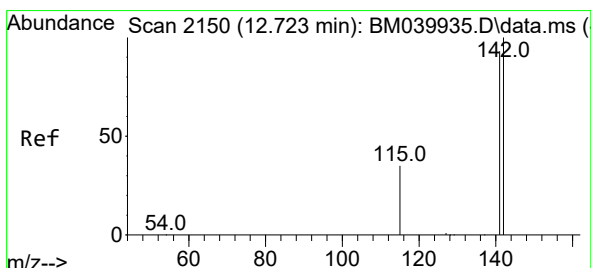
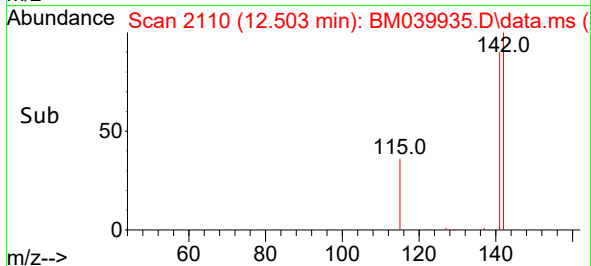
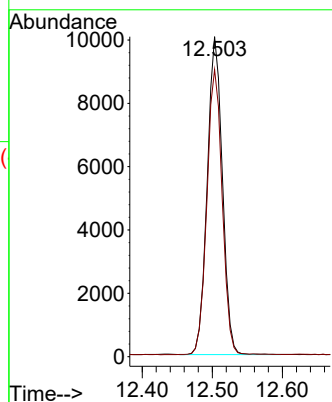
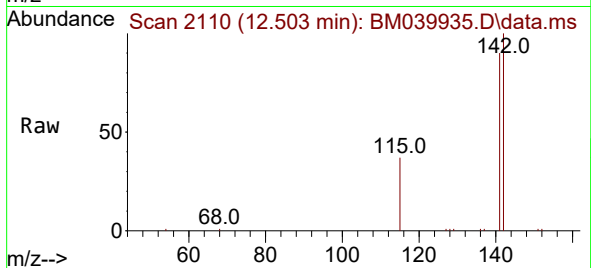




#7
2-Methylnaphthalene
Concen: 0.462 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

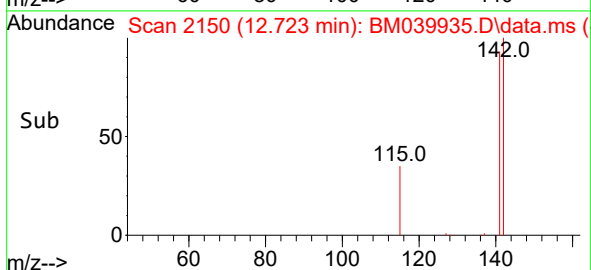
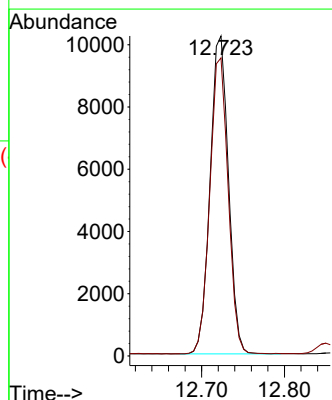
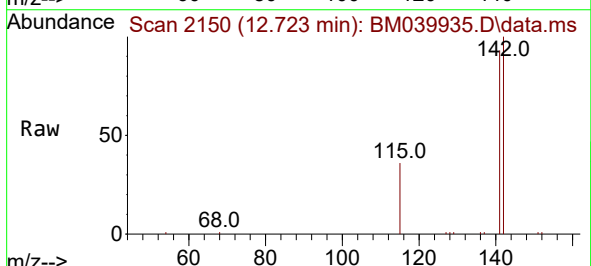
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

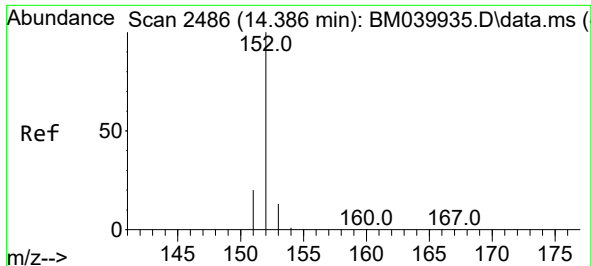
Tgt Ion:142 Resp: 15055
Ion Ratio Lower Upper
142 100
141 90.9 72.7 109.1



#8
1-Methylnaphthalene
Concen: 0.460 ng/ul
RT: 12.723 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion:142 Resp: 15718
Ion Ratio Lower Upper
142 100
141 93.3 74.6 112.0

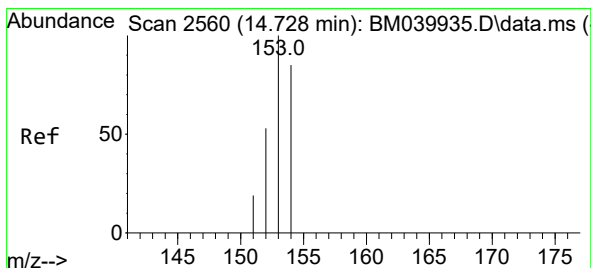
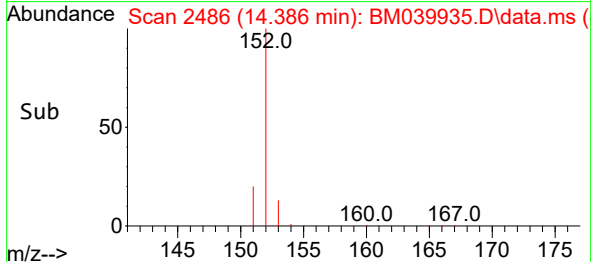
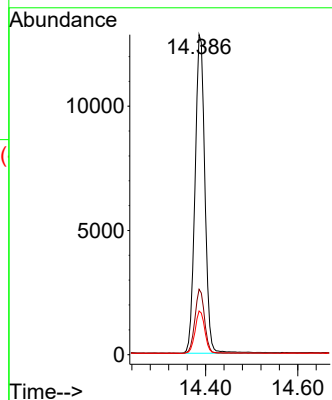
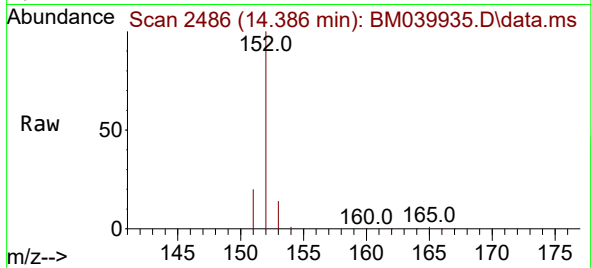




#10
Acenaphthylene
Concen: 0.476 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

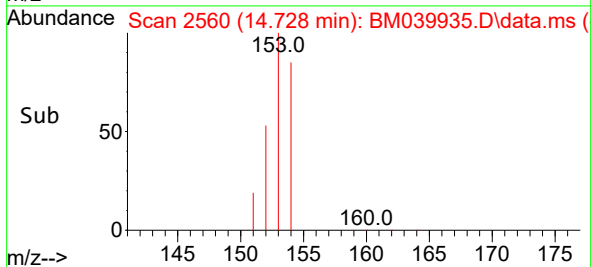
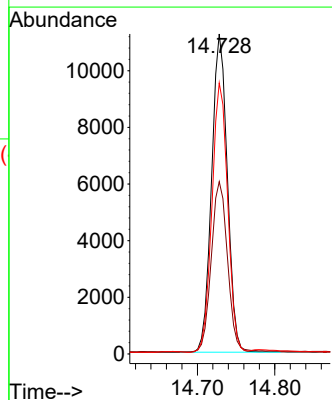
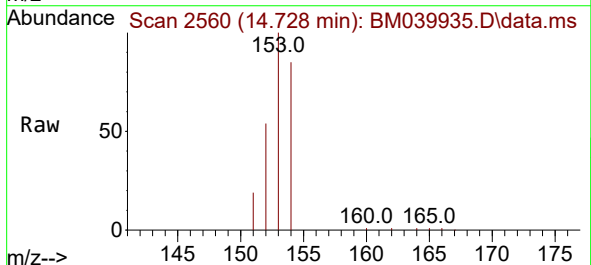
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

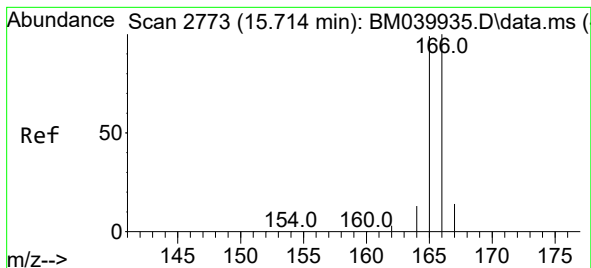
Tgt Ion:	152	Resp:	19058
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3



#11
Acenaphthene
Concen: 0.477 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion:	153	Resp:	15811
Ion Ratio	Lower	Upper	
153	100		
152	53.9	43.1	64.7
154	84.7	67.8	101.6





#12

Fluorene

Concen: 0.474 ng/ul

RT: 15.714 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039935.D

Acq: 16 May 2023 15:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038

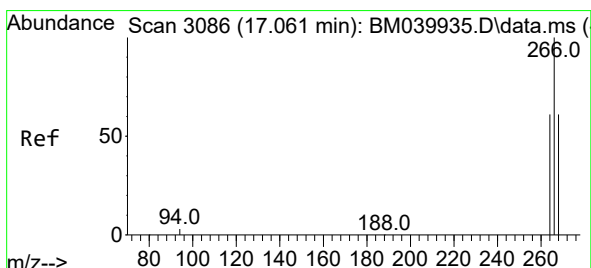
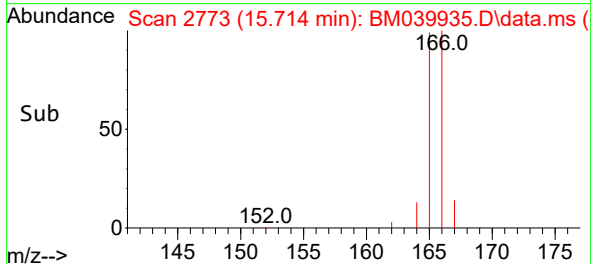
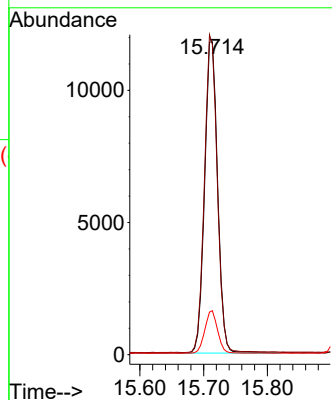
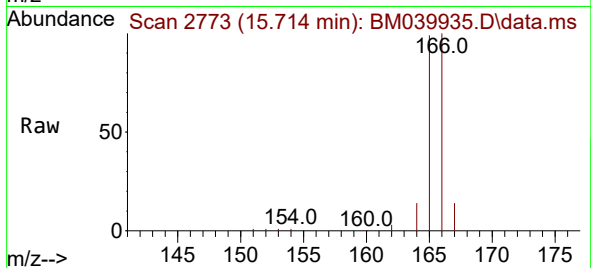
Tgt Ion:166 Resp: 16699

Ion Ratio Lower Upper

166 100

165 99.1 79.3 118.9

167 14.1 11.3 16.9



#14

Pentachlorophenol

Concen: 0.434 ng/ul

RT: 17.061 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039935.D

Acq: 16 May 2023 15:36

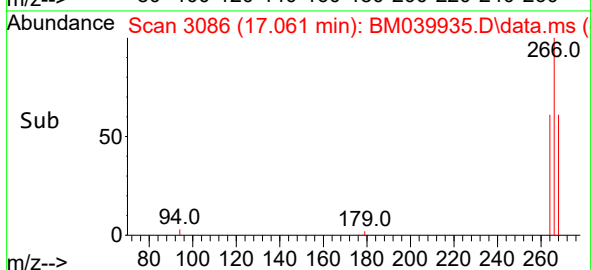
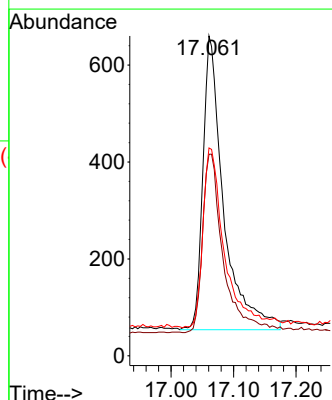
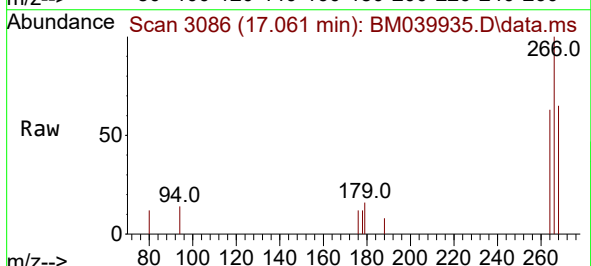
Tgt Ion:266 Resp: 1395

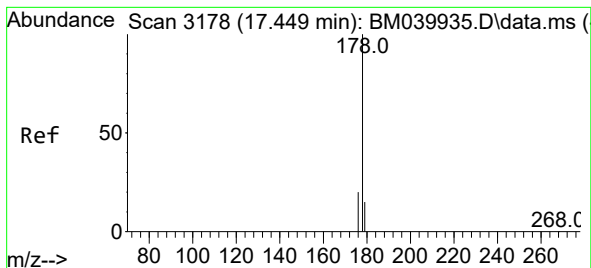
Ion Ratio Lower Upper

266 100

264 60.9 48.9 73.3

268 64.8 51.5 77.3





#15

Phenanthrene

Concen: 0.461 ng/ul

RT: 17.449 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BM039935.D

Acq: 16 May 2023 15:36

Instrument :

BNA_M

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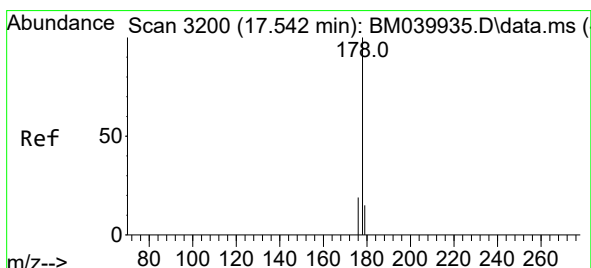
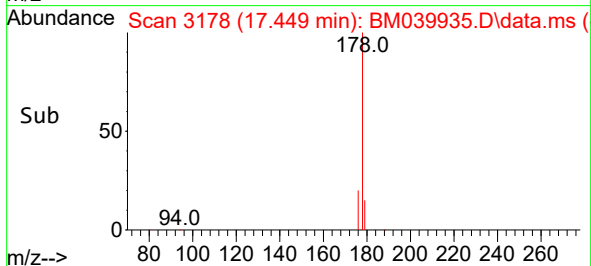
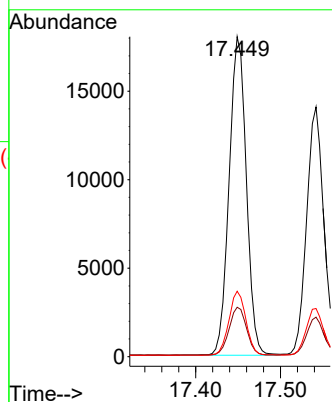
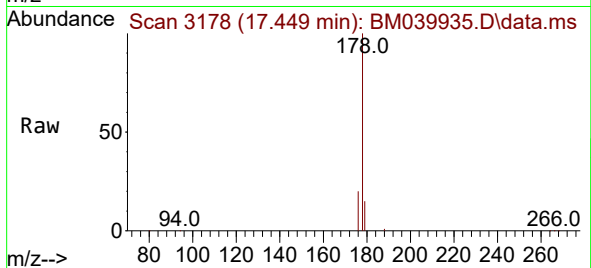
Tgt Ion:178 Resp: 25405

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 20.4 16.3 24.5



#16

Anthracene

Concen: 0.454 ng/ul

RT: 17.542 min Scan# 3200

Delta R.T. 0.000 min

Lab File: BM039935.D

Acq: 16 May 2023 15:36

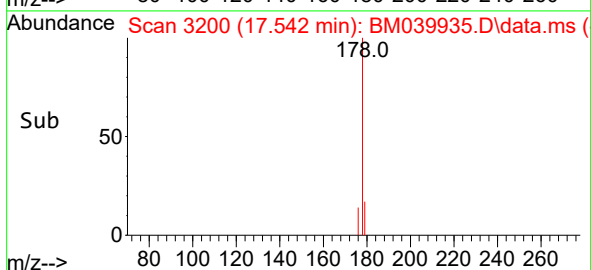
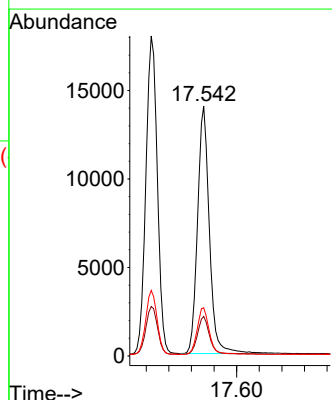
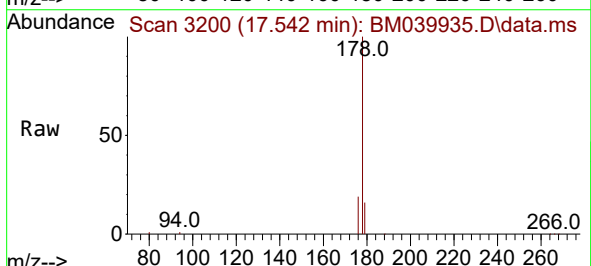
Tgt Ion:178 Resp: 20422

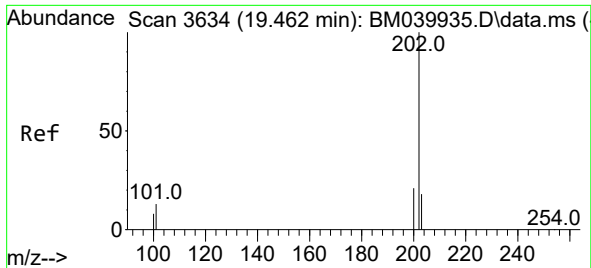
Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.3 15.4 23.2

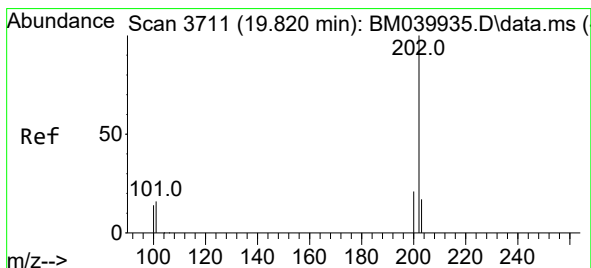
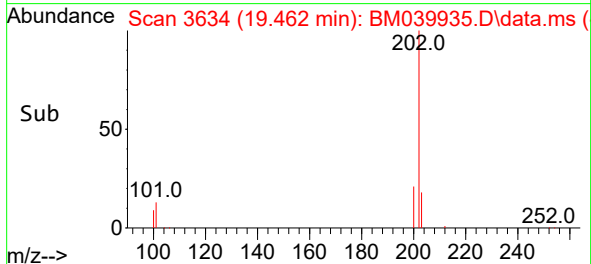
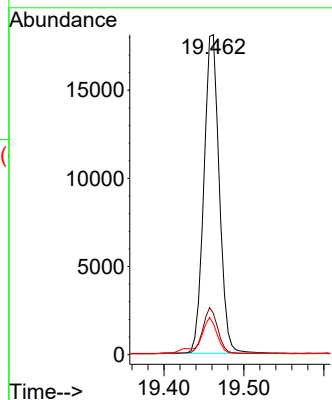
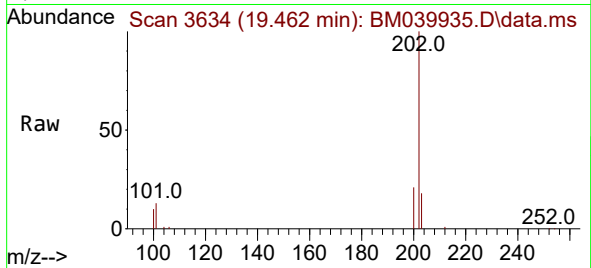




#19
Fluoranthene
Concen: 0.484 ng/ul
RT: 19.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

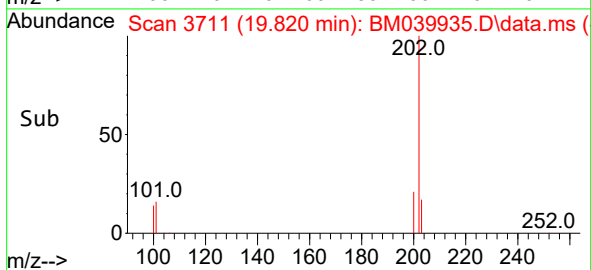
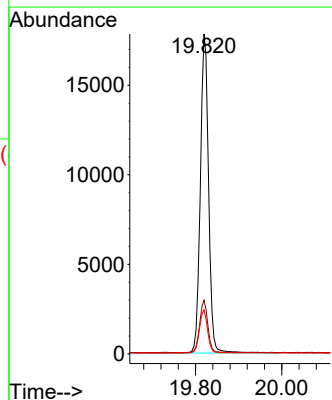
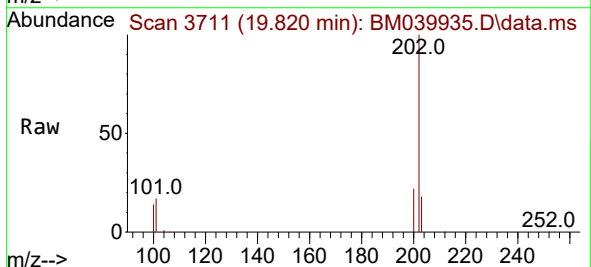
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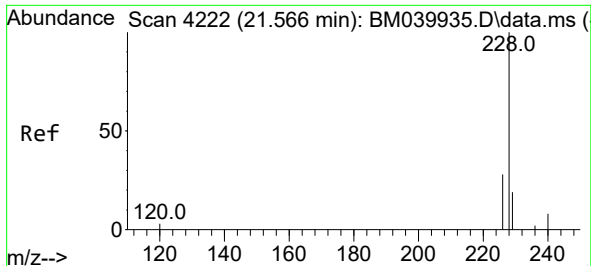
Tgt Ion:202 Resp: 24174
Ion Ratio Lower Upper
202 100
101 13.0 10.4 15.6
100 9.7 7.8 11.6



#20
Pyrene
Concen: 0.476 ng/ul
RT: 19.820 min Scan# 3711
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion:202 Resp: 23565
Ion Ratio Lower Upper
202 100
101 16.7 13.4 20.0
100 13.8 11.0 16.6

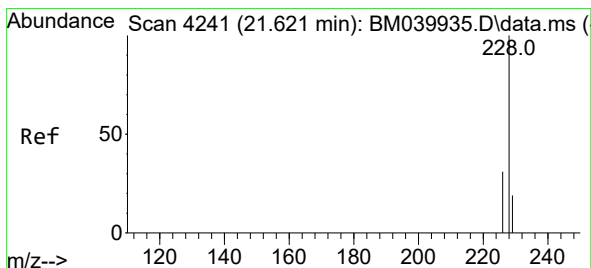
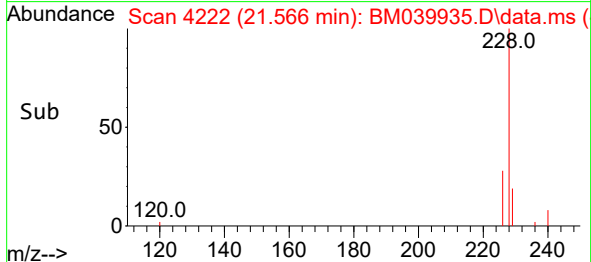
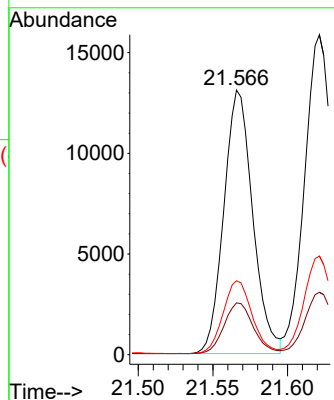
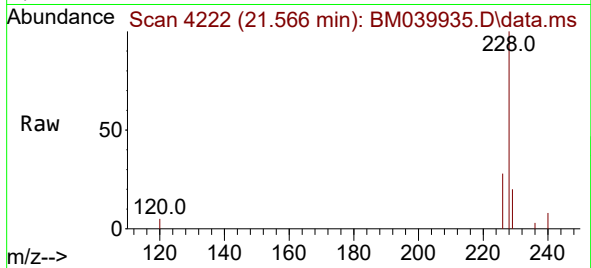




#21
Benzo(a)anthracene
Concen: 0.481 ng/ul
RT: 21.566 min Scan# 4222
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

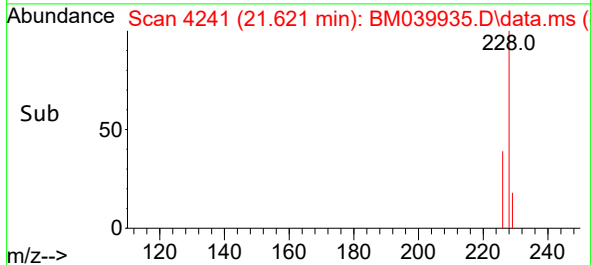
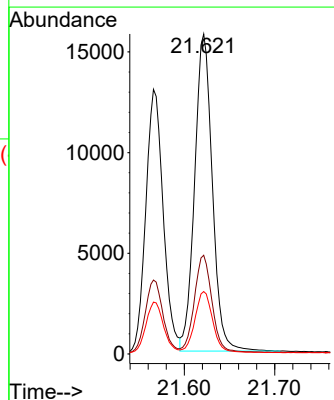
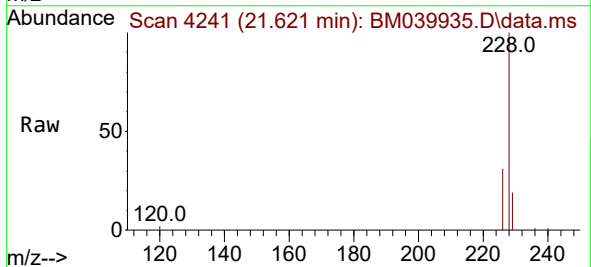
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

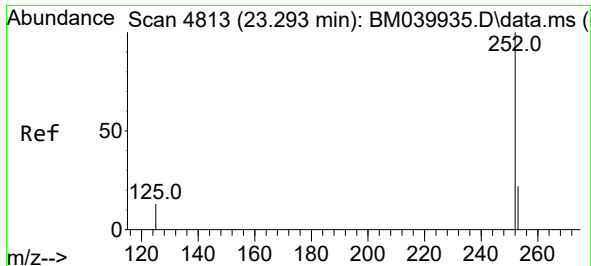
Tgt Ion:228 Resp: 17637
Ion Ratio Lower Upper
228 100
229 19.6 15.7 23.5
226 27.9 22.3 33.5



#22
Chrysene
Concen: 0.487 ng/ul
RT: 21.621 min Scan# 4241
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion:228 Resp: 21396
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 19.5 15.6 23.4

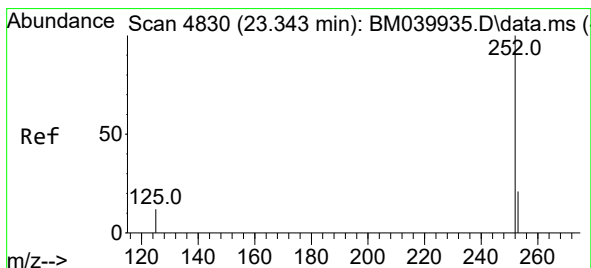
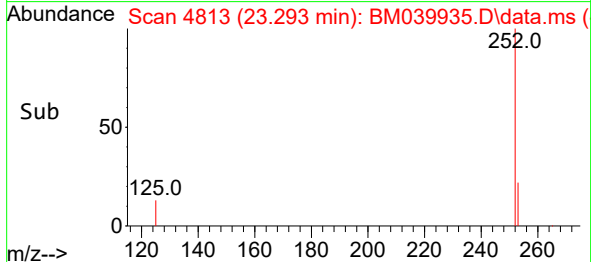
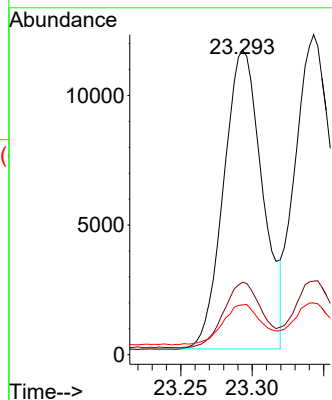
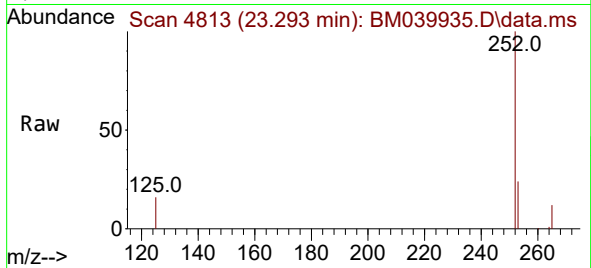




#24
Benzo(b)fluoranthene
Concen: 0.488 ng/ul
RT: 23.293 min Scan# 4813
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

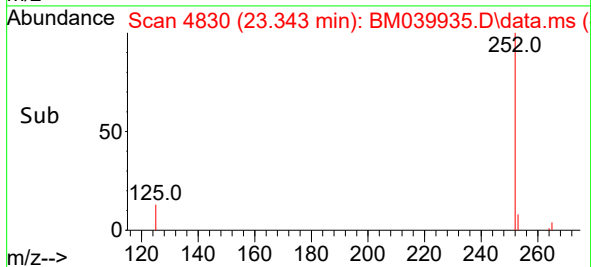
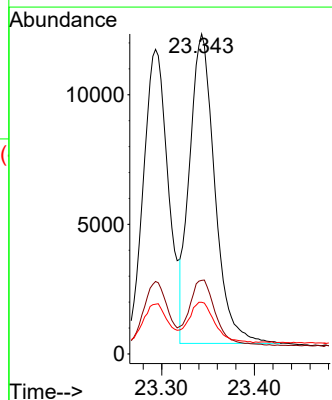
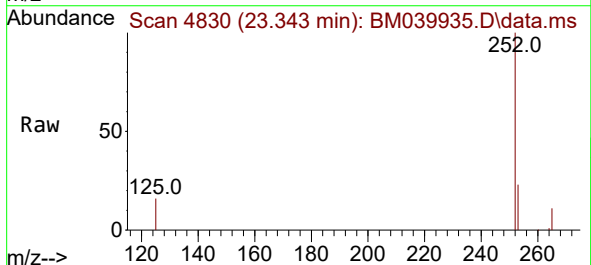
Instrument :
BNA_M
ClientSampleId :
SSTD0.4038

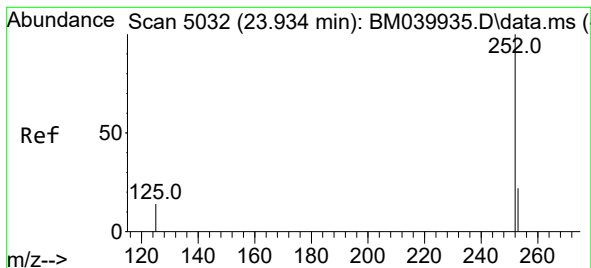
Tgt Ion:252 Resp: 21856
Ion Ratio Lower Upper
252 100
253 23.8 0.0 47.6
125 16.3 0.0 32.6



#25
Benzo(k)fluoranthene
Concen: 0.457 ng/ul
RT: 23.343 min Scan# 4830
Delta R.T. 0.000 min
Lab File: BM039935.D
Acq: 16 May 2023 15:36

Tgt Ion:252 Resp: 22570
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 16.1 12.9 19.3





#26

Benzo(a)pyrene

Concen: 0.473 ng/ul

RT: 23.934 min Scan# 5032

Delta R.T. 0.000 min

Lab File: BM039935.D

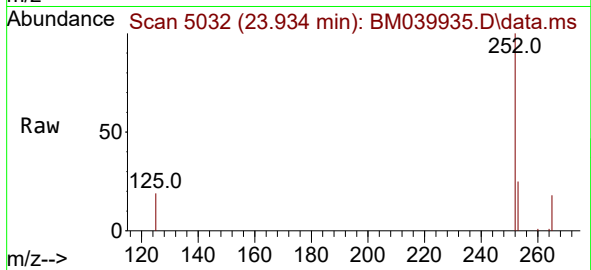
Acq: 16 May 2023 15:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.4038



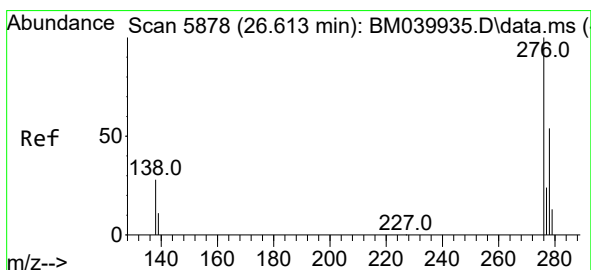
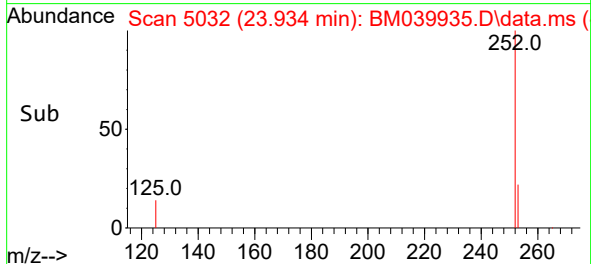
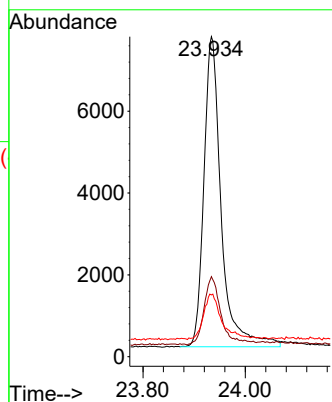
Tgt Ion:252 Resp: 17813

Ion Ratio Lower Upper

252 100

253 25.0 20.0 30.0

125 19.3 15.4 23.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.469 ng/ul

RT: 26.613 min Scan# 5878

Delta R.T. 0.000 min

Lab File: BM039935.D

Acq: 16 May 2023 15:36

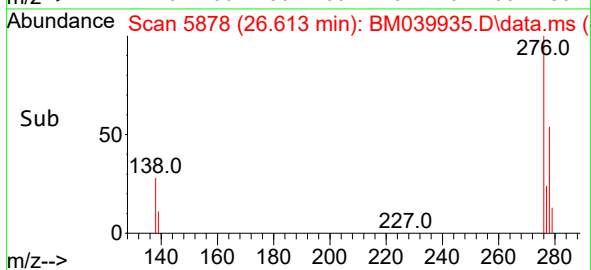
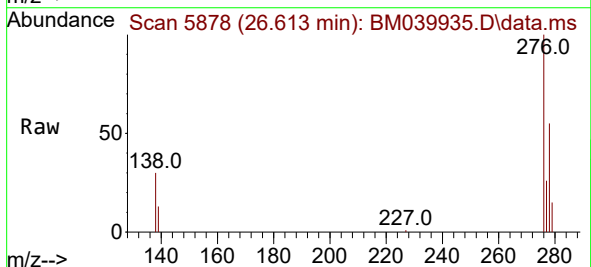
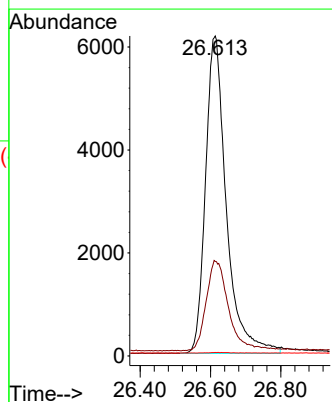
Tgt Ion:276 Resp: 25327

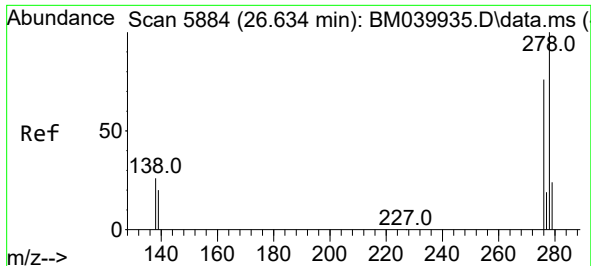
Ion Ratio Lower Upper

276 100

138 30.4 24.3 36.5

227 0.2 0.2 0.2

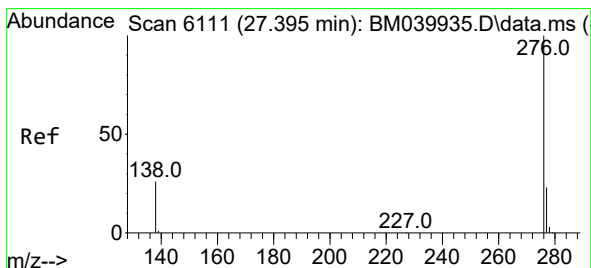
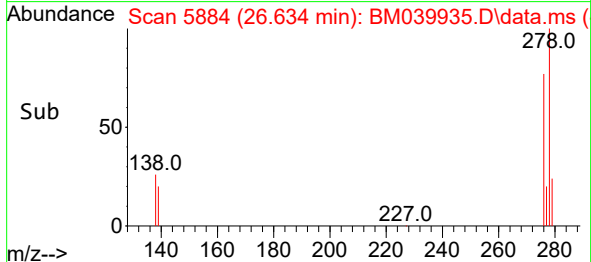
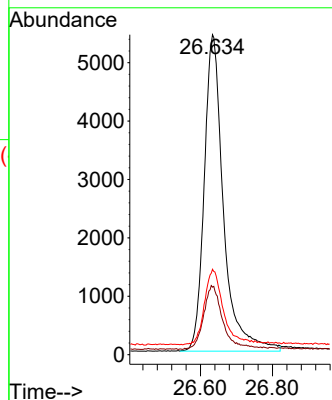
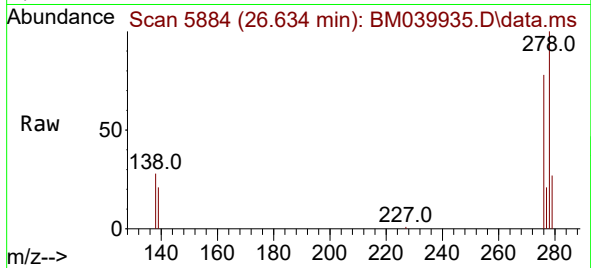




#28
 Dibenzo(a,h)anthracene
 Concen: 0.462 ng/ul
 RT: 26.634 min Scan# 5884
 Delta R.T. 0.000 min
 Lab File: BM039935.D
 Acq: 16 May 2023 15:36

Instrument :
 BNA_M
 ClientSampleId :
 SST00.4038

Tgt Ion:	278	Resp:	20098
Ion Ratio	Lower	Upper	
278	100		
139	21.1	16.9	25.3
279	26.7	21.4	32.0



#29
 Benzo(g,h,i)perylene
 Concen: 0.481 ng/ul
 RT: 27.395 min Scan# 6111
 Delta R.T. 0.000 min
 Lab File: BM039935.D
 Acq: 16 May 2023 15:36

Tgt Ion:	276	Resp:	23009
Ion Ratio	Lower	Upper	
276	100		
138	28.0	22.4	33.6
277	24.4	19.5	29.3

