

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051623\
 Data File : BM039936.D
 Acq On : 16 May 2023 16:13
 Operator : CG/JU
 Sample : SSTD0.861
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.8039

Quant Time: May 17 01:34:40 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

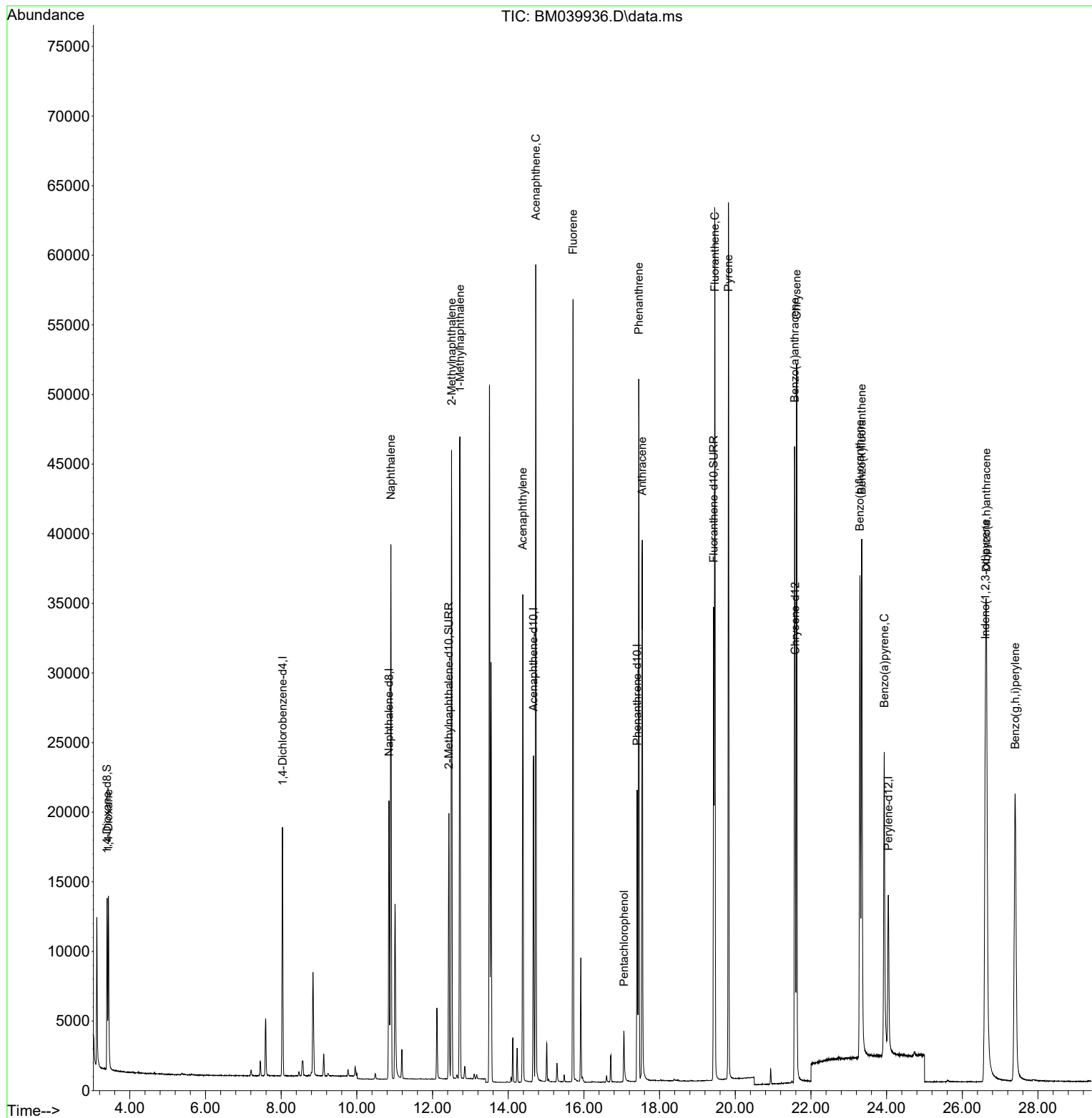
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.036	152	8685	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	25768	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.668	164	12111	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	22633	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	16424	0.400	ng/ul	0.00
23) Perylene-d12	24.045	264	16229	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	8172	0.752	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	23184	0.761	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	32595	0.727	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.433	88	8781	0.761	ng/ul	95
5) Naphthalene	10.898	128	51132	0.766	ng/ul	100
7) 2-Methylnaphthalene	12.503	142	29614	0.763	ng/ul	100
8) 1-Methylnaphthalene	12.723	142	31021	0.762	ng/ul	100
10) Acenaphthylene	14.386	152	38201	0.764	ng/ul	98
11) Acenaphthene	14.728	153	31683	0.766	ng/ul	99
12) Fluorene	15.714	166	33926	0.771	ng/ul	99
14) Pentachlorophenol	17.056	266	2985	0.776	ng/ul	99
15) Phenanthrene	17.449	178	50697	0.769	ng/ul	100
16) Anthracene	17.542	178	41856	0.778	ng/ul	100
19) Fluoranthene	19.457	202	50280	0.744	ng/ul	96
20) Pyrene	19.820	202	48551	0.725	ng/ul	100
21) Benzo(a)anthracene	21.569	228	38030	0.766	ng/ul	99
22) Chrysene	21.621	228	45054	0.758	ng/ul	100
24) Benzo(b)fluoranthene	23.293	252	46904	0.811	ng/ul	97
25) Benzo(k)fluoranthene	23.343	252	50762	0.797	ng/ul	98
26) Benzo(a)pyrene	23.936	252	37541	0.774	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.610	276	56821	0.817	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.637	278	46758	0.834	ng/ul	97
29) Benzo(g,h,i)perylene	27.395	276	50218	0.814	ng/ul	98

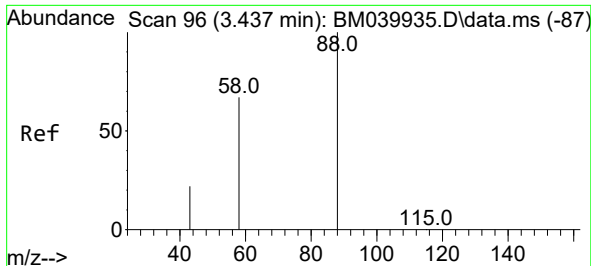
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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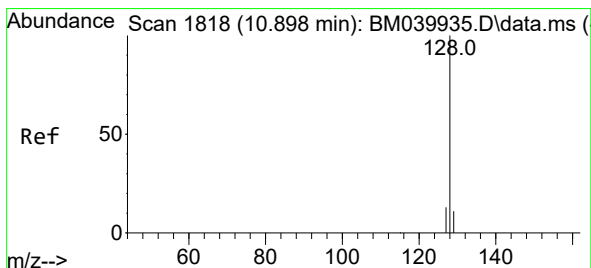
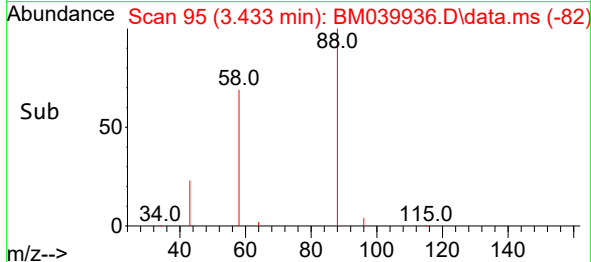
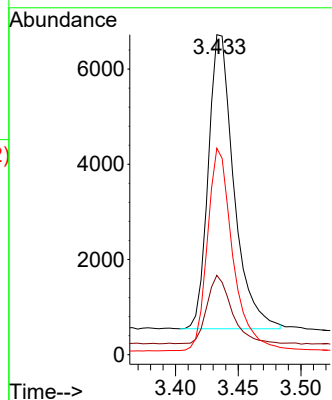
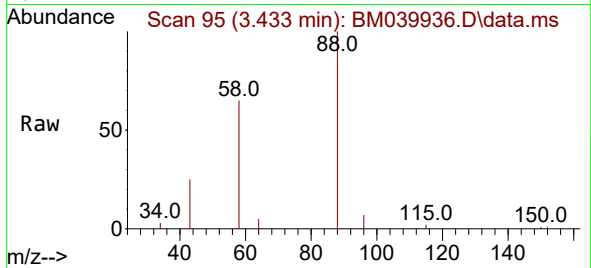




#2
1,4-Dioxane
Concen: 0.761 ng/ul
RT: 3.433 min Scan# 91
Delta R.T. -0.004 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

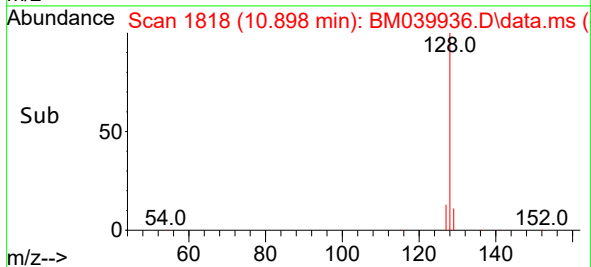
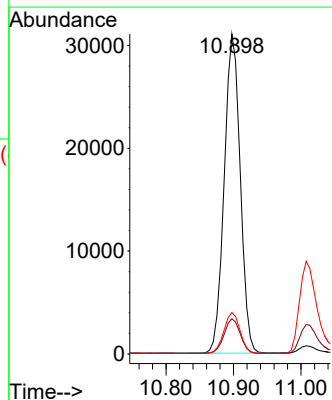
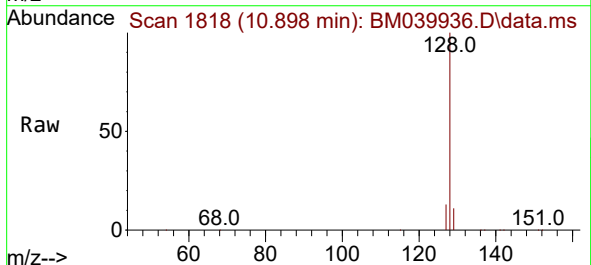
Instrument :
BNA_M
ClientSampleId :
SSTD0.8039

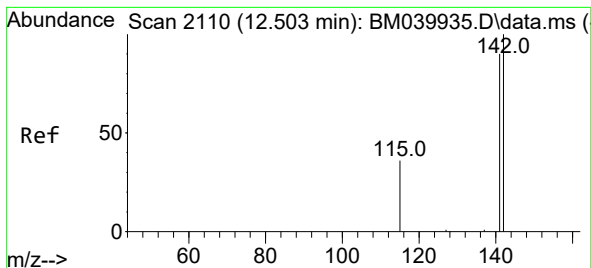
Tgt Ion: 88 Resp: 8781
Ion Ratio Lower Upper
88 100
43 24.8 20.1 30.1
58 64.5 47.4 71.2



#5
Naphthalene
Concen: 0.766 ng/ul
RT: 10.898 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:128 Resp: 51132
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.9 10.5 15.7





#7

2-Methylnaphthalene

Concen: 0.763 ng/ul

RT: 12.503 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

Instrument :

BNA_M

ClientSampleId :

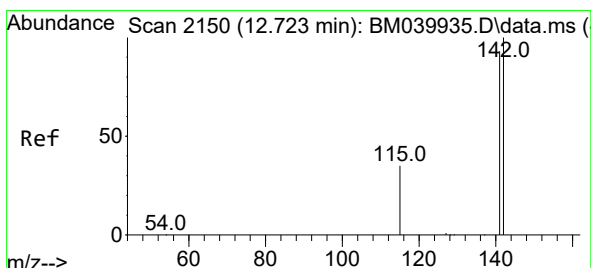
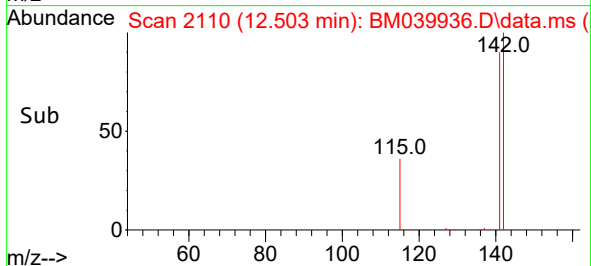
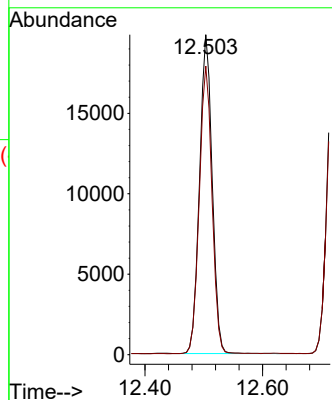
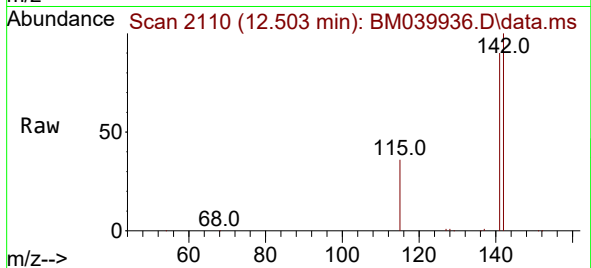
SSTD0.8039

Tgt Ion:142 Resp: 29614

Ion Ratio Lower Upper

142 100

141 90.7 72.7 109.1



#8

1-Methylnaphthalene

Concen: 0.762 ng/ul

RT: 12.723 min Scan# 2150

Delta R.T. 0.000 min

Lab File: BM039936.D

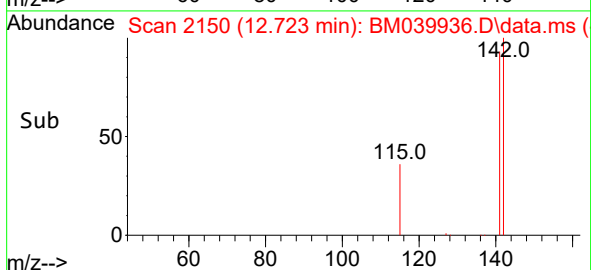
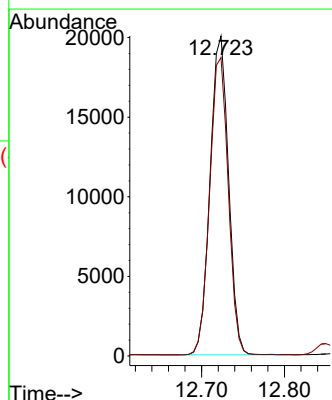
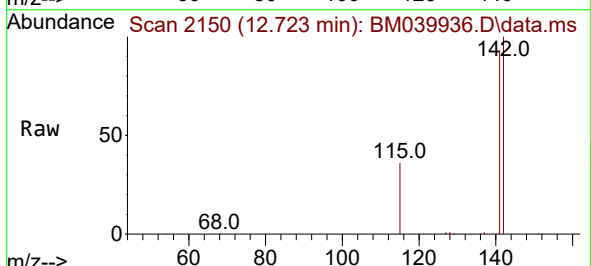
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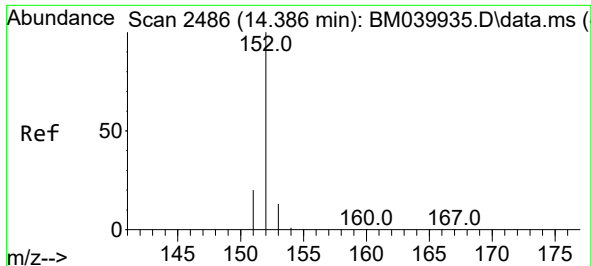
Tgt Ion:142 Resp: 31021

Ion Ratio Lower Upper

142 100

141 93.8 74.6 112.0

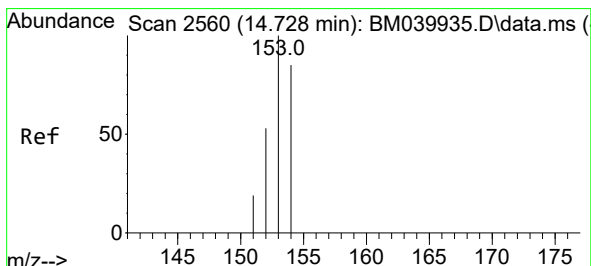
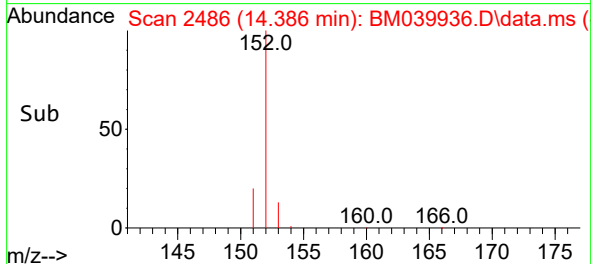
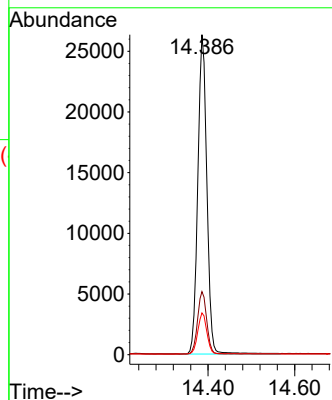
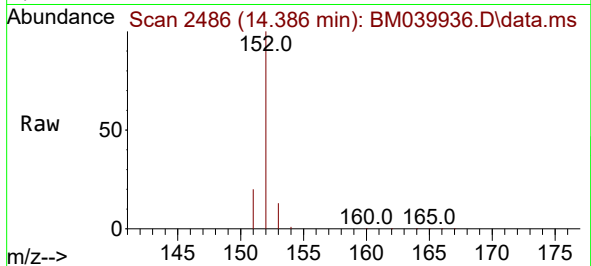




#10
Acenaphthylene
Concen: 0.764 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

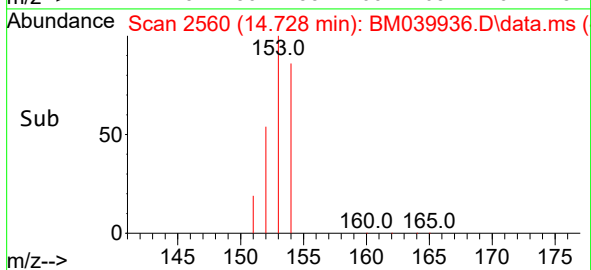
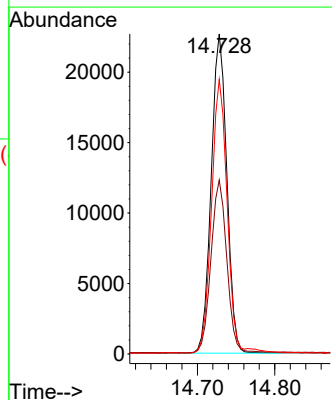
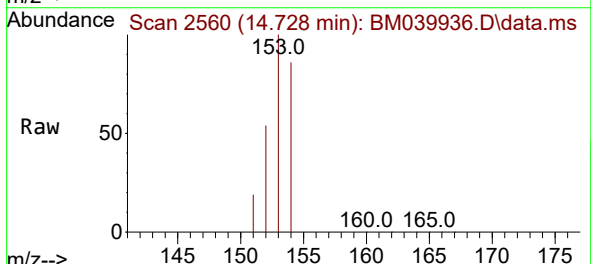
Instrument :
BNA_M
ClientSampleId :
SSTD0.8039

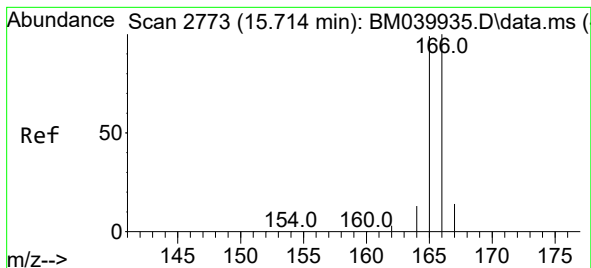
Tgt Ion:152 Resp: 38201
Ion Ratio Lower Upper
152 100
151 19.7 16.4 24.6
153 13.1 10.9 16.3



#11
Acenaphthene
Concen: 0.766 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:153 Resp: 31683
Ion Ratio Lower Upper
153 100
152 54.4 43.1 64.7
154 85.8 67.8 101.6





#12

Fluorene

Concen: 0.771 ng/ul

RT: 15.714 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.8039

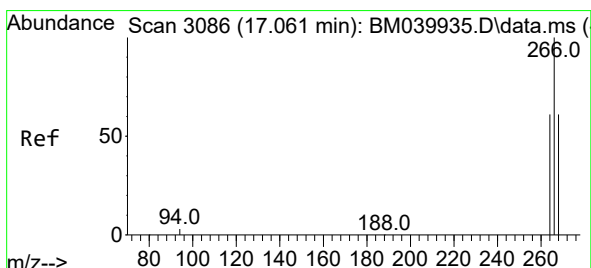
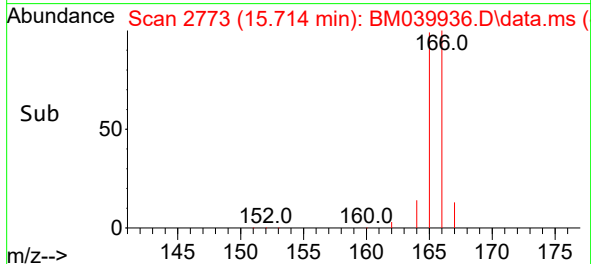
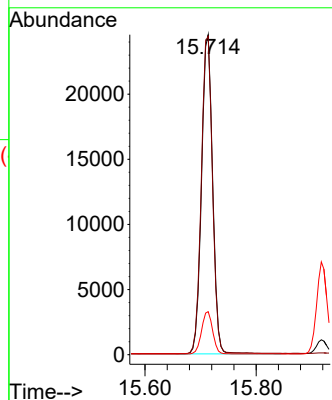
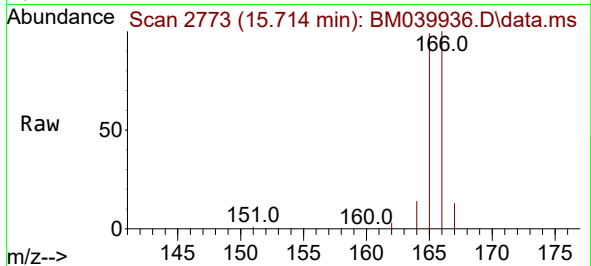
Tgt Ion:166 Resp: 33926

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

167 13.4 11.3 16.9



#14

Pentachlorophenol

Concen: 0.776 ng/ul

RT: 17.056 min Scan# 3085

Delta R.T. -0.004 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

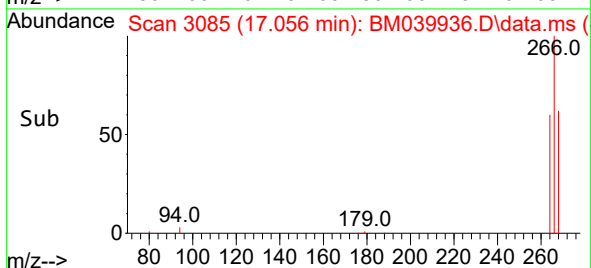
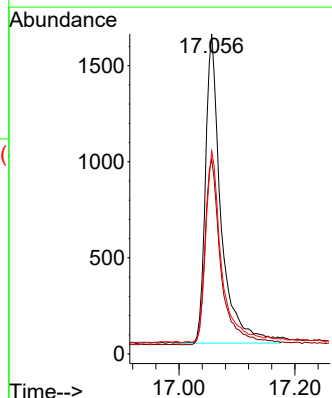
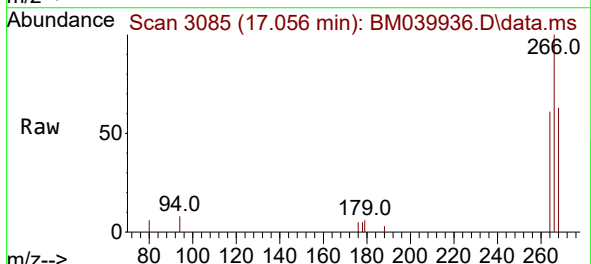
Tgt Ion:266 Resp: 2985

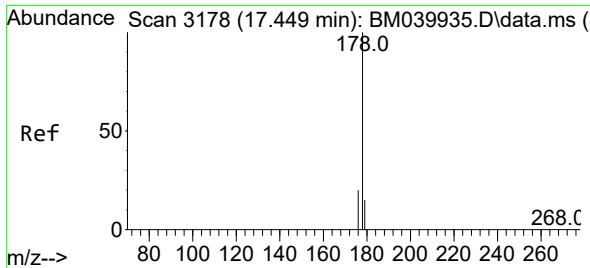
Ion Ratio Lower Upper

266 100

264 62.3 48.9 73.3

268 63.7 51.5 77.3

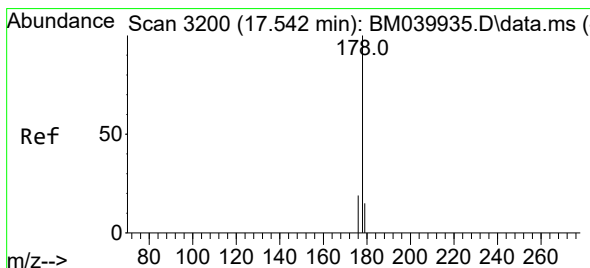
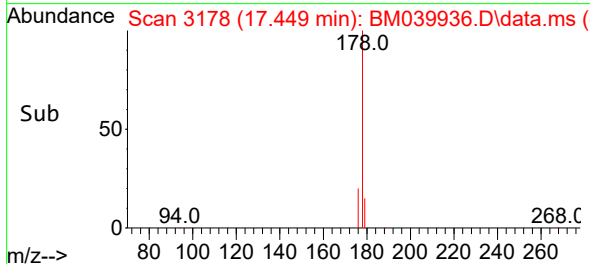
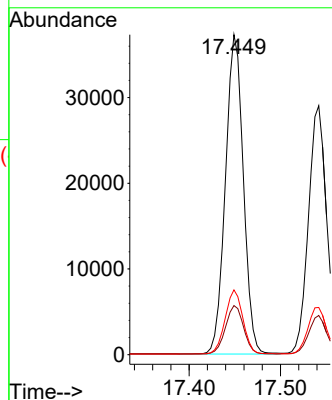
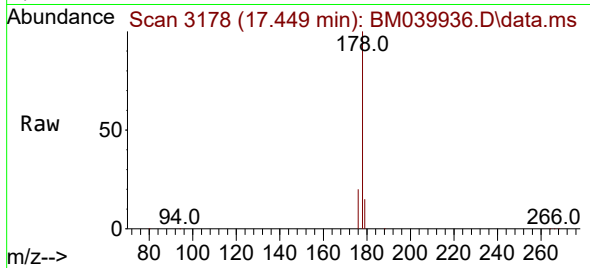




#15
Phenanthrene
Concen: 0.769 ng/ul
RT: 17.449 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

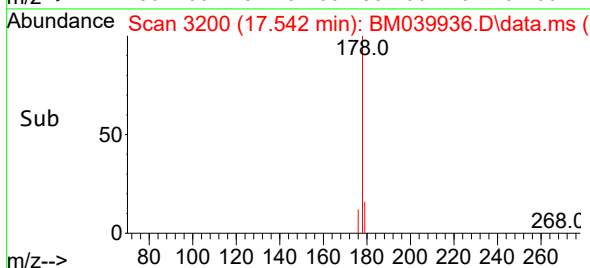
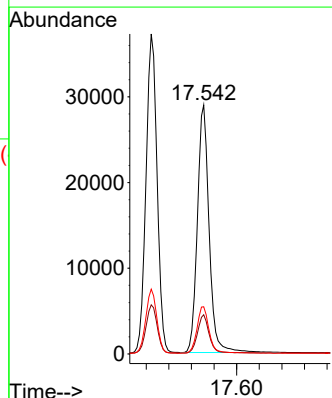
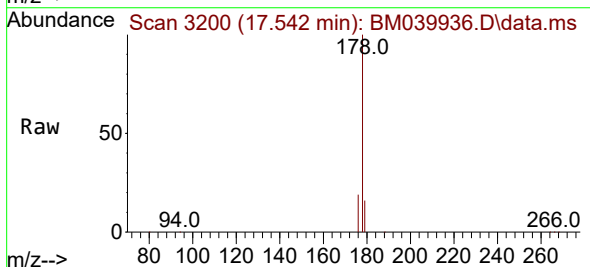
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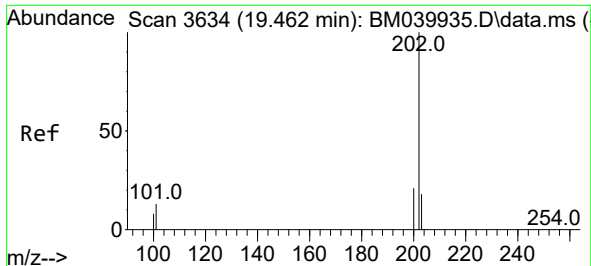
Tgt Ion:178	Resp:	50697
Ion Ratio	Lower	Upper
178	100	
179	15.4	12.4 18.6
176	20.3	16.3 24.5



#16
Anthracene
Concen: 0.778 ng/ul
RT: 17.542 min Scan# 3200
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:178	Resp:	41856
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.6 19.0
176	19.0	15.4 23.2

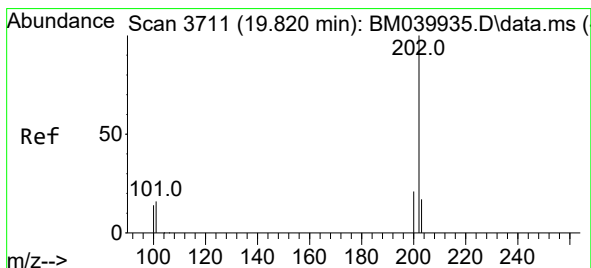
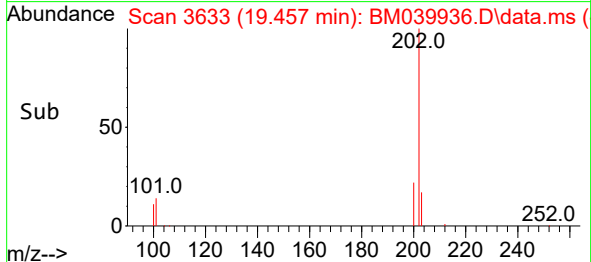
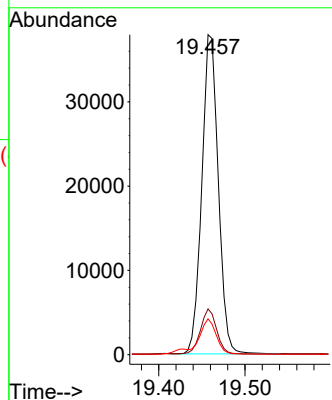
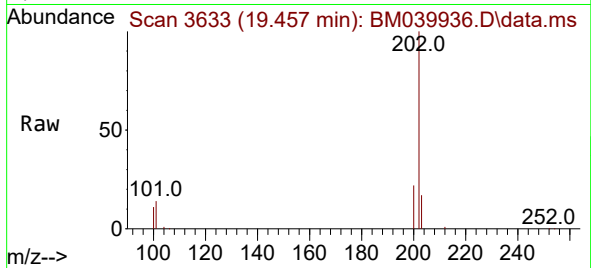




#19
Fluoranthene
Concen: 0.744 ng/ul
RT: 19.457 min Scan# 3633
Delta R.T. -0.005 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

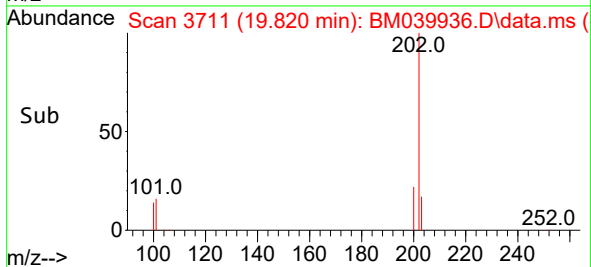
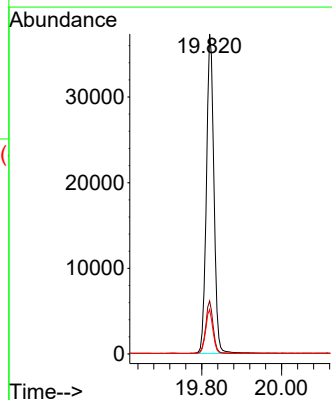
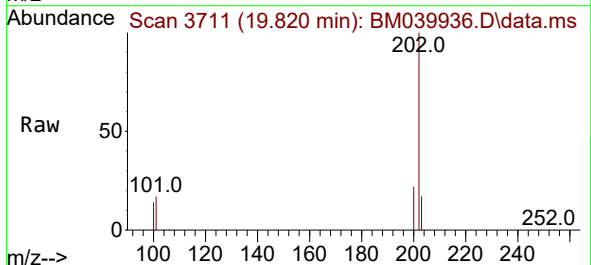
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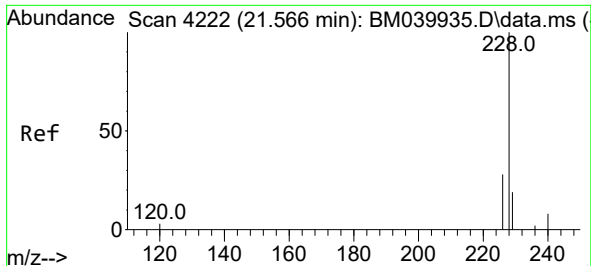
Tgt Ion:202 Resp: 50280
Ion Ratio Lower Upper
202 100
101 14.3 10.4 15.6
100 11.2 7.8 11.6



#20
Pyrene
Concen: 0.725 ng/ul
RT: 19.820 min Scan# 3711
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:202 Resp: 48551
Ion Ratio Lower Upper
202 100
101 16.6 13.4 20.0
100 13.9 11.0 16.6

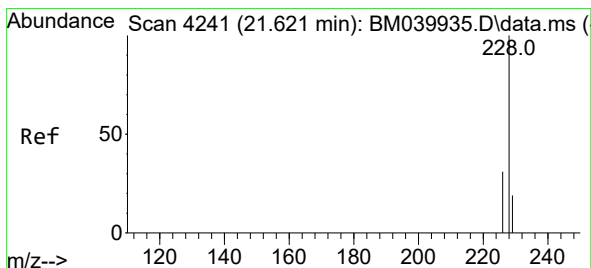
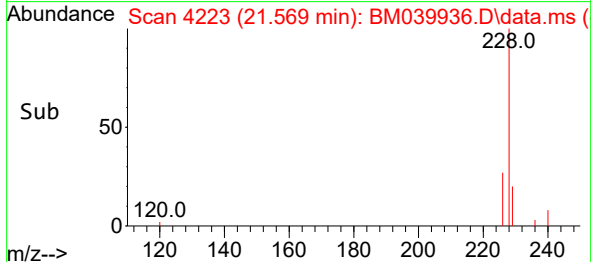
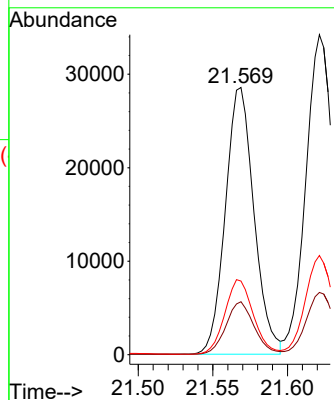
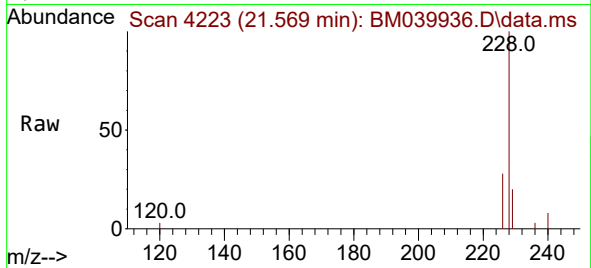




#21
Benzo(a)anthracene
Concen: 0.766 ng/ul
RT: 21.569 min Scan# 4222
Delta R.T. 0.003 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

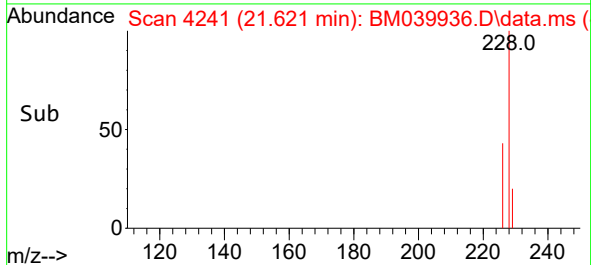
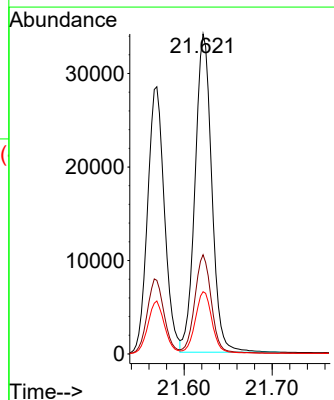
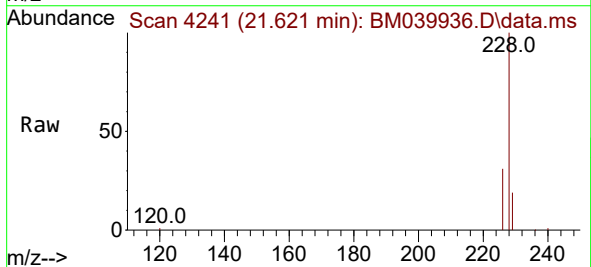
Instrument :
BNA_M
ClientSampleId :
SSTD0.8039

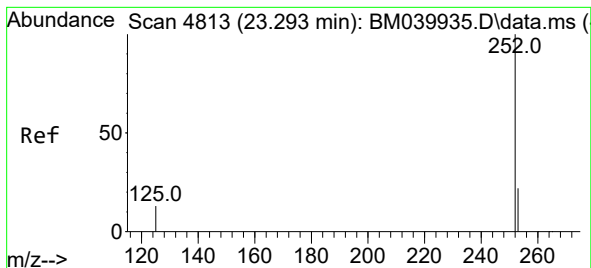
Tgt Ion:228 Resp: 38030
Ion Ratio Lower Upper
228 100
229 19.8 15.7 23.5
226 27.6 22.3 33.5



#22
Chrysene
Concen: 0.758 ng/ul
RT: 21.621 min Scan# 4241
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:228 Resp: 45054
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 19.4 15.6 23.4





#24

Benzo(b)fluoranthene

Concen: 0.811 ng/ul

RT: 23.293 min Scan# 4813

Delta R.T. 0.000 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.8039

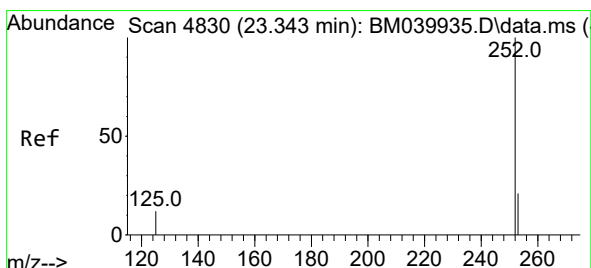
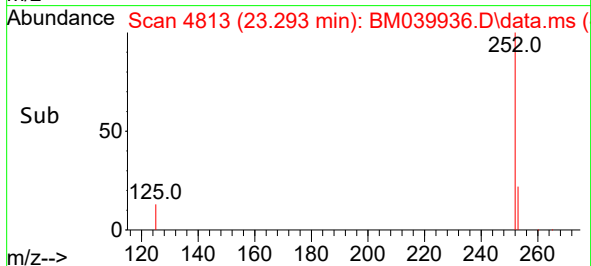
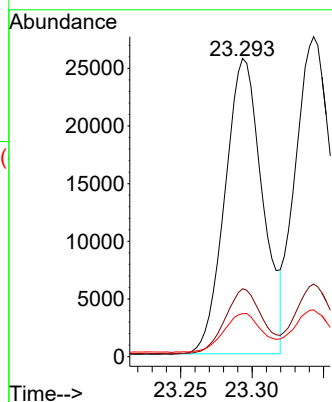
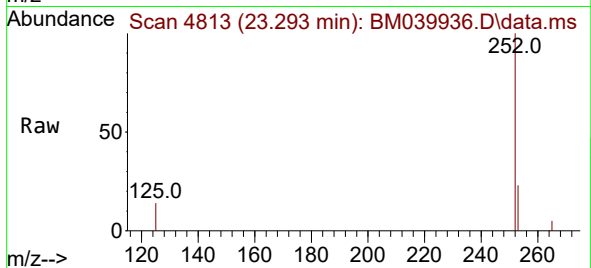
Tgt Ion:252 Resp: 46904

Ion Ratio Lower Upper

252 100

253 22.8 0.0 47.6

125 14.4 0.0 32.6



#25

Benzo(k)fluoranthene

Concen: 0.797 ng/ul

RT: 23.343 min Scan# 4830

Delta R.T. 0.000 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

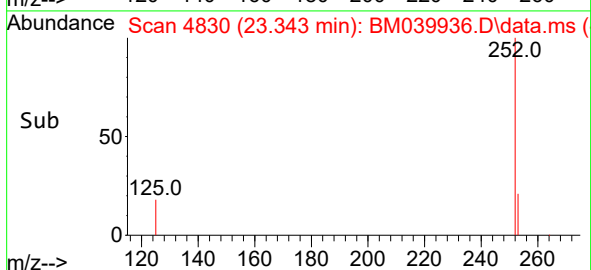
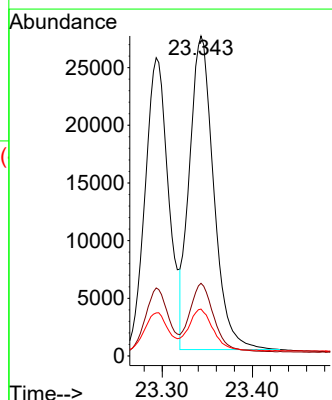
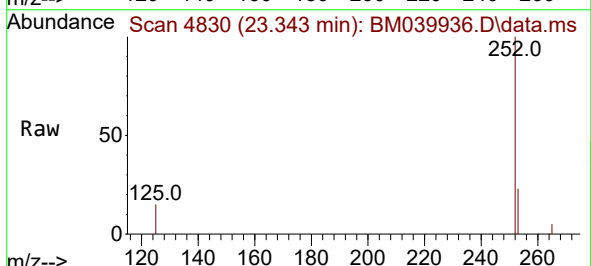
Tgt Ion:252 Resp: 50762

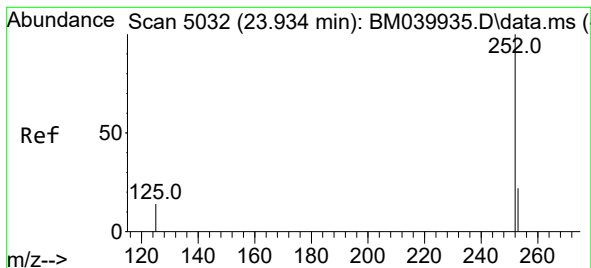
Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 14.6 12.9 19.3





#26

Benzo(a)pyrene

Concen: 0.774 ng/ul

RT: 23.936 min Scan# 5032

Delta R.T. 0.003 min

Lab File: BM039936.D

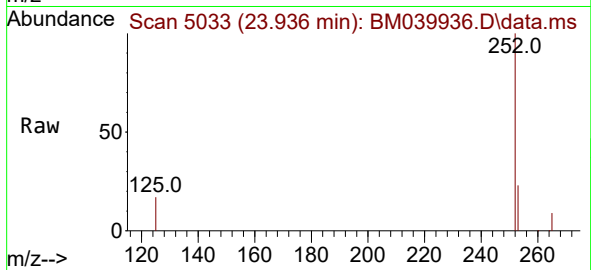
Acq: 16 May 2023 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.8039



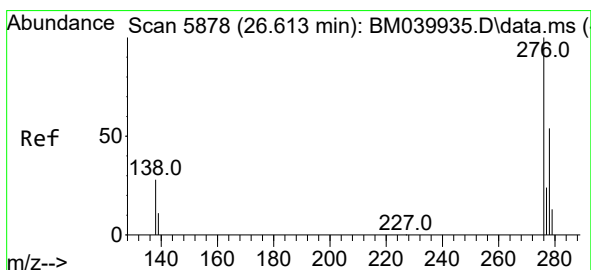
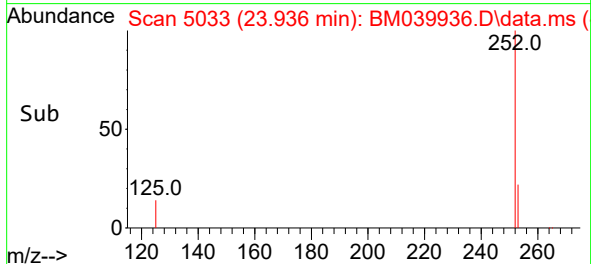
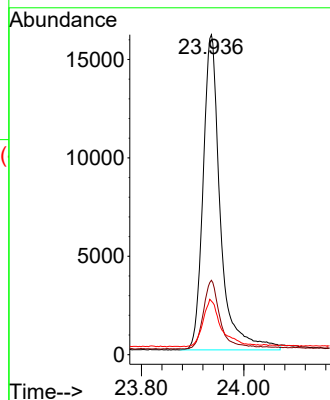
Tgt Ion:252 Resp: 37541

Ion Ratio Lower Upper

252 100

253 23.2 20.0 30.0

125 16.8 15.4 23.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.817 ng/ul

RT: 26.610 min Scan# 5877

Delta R.T. -0.003 min

Lab File: BM039936.D

Acq: 16 May 2023 16:13

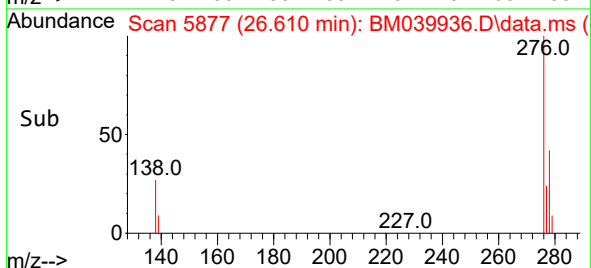
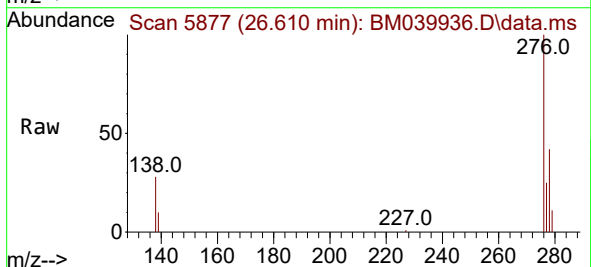
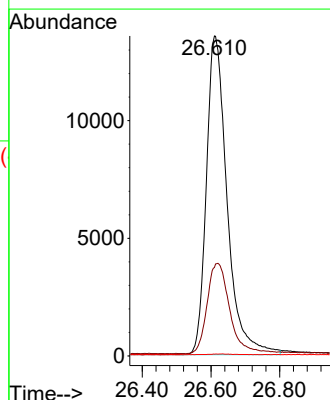
Tgt Ion:276 Resp: 56821

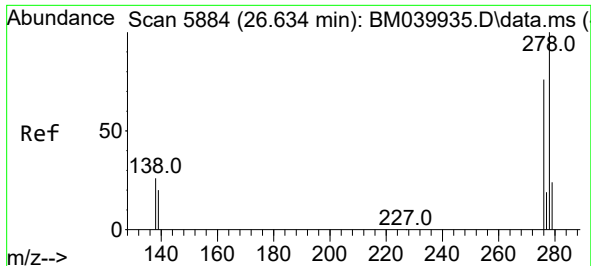
Ion Ratio Lower Upper

276 100

138 31.0 24.3 36.5

227 0.0 0.2 0.2#

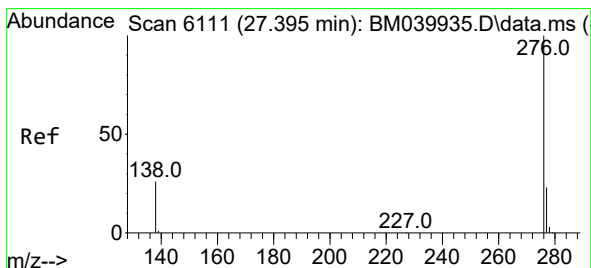
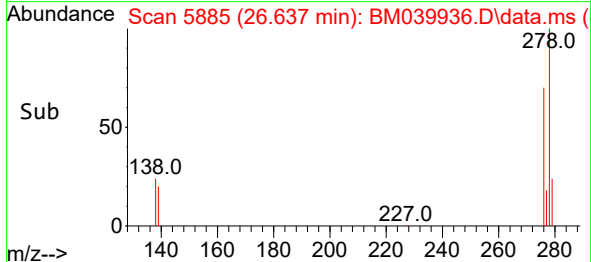
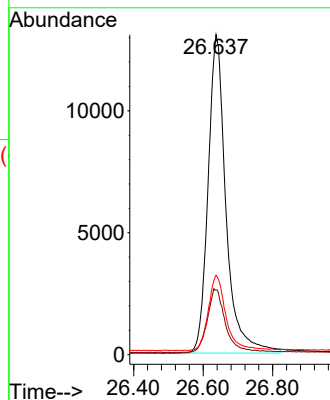
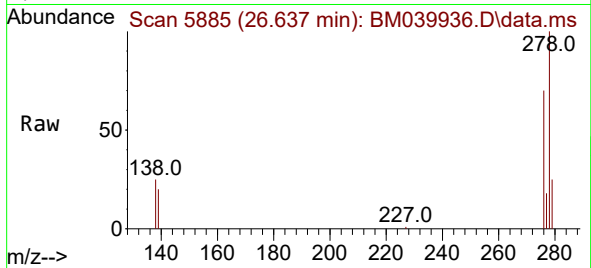




#28
Dibenzo(a,h)anthracene
Concen: 0.834 ng/ul
RT: 26.637 min Scan# 5885
Delta R.T. 0.003 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Instrument :
BNA_M
ClientSampleId :
SSTD0.8039

Tgt Ion:278 Resp: 46758
Ion Ratio Lower Upper
278 100
139 20.3 16.9 25.3
279 24.8 21.4 32.0



#29
Benzo(g,h,i)perylene
Concen: 0.814 ng/ul
RT: 27.395 min Scan# 6111
Delta R.T. 0.000 min
Lab File: BM039936.D
Acq: 16 May 2023 16:13

Tgt Ion:276 Resp: 50218
Ion Ratio Lower Upper
276 100
138 26.2 22.4 33.6
277 23.7 19.5 29.3

