

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM039999.D
 Acq On : 25 May 2023 13:12
 Operator : CG/JU
 Sample : SST0.873
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.8004

Quant Time: May 25 13:45:52 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 13:45:12 2023
 Response via : Initial Calibration

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

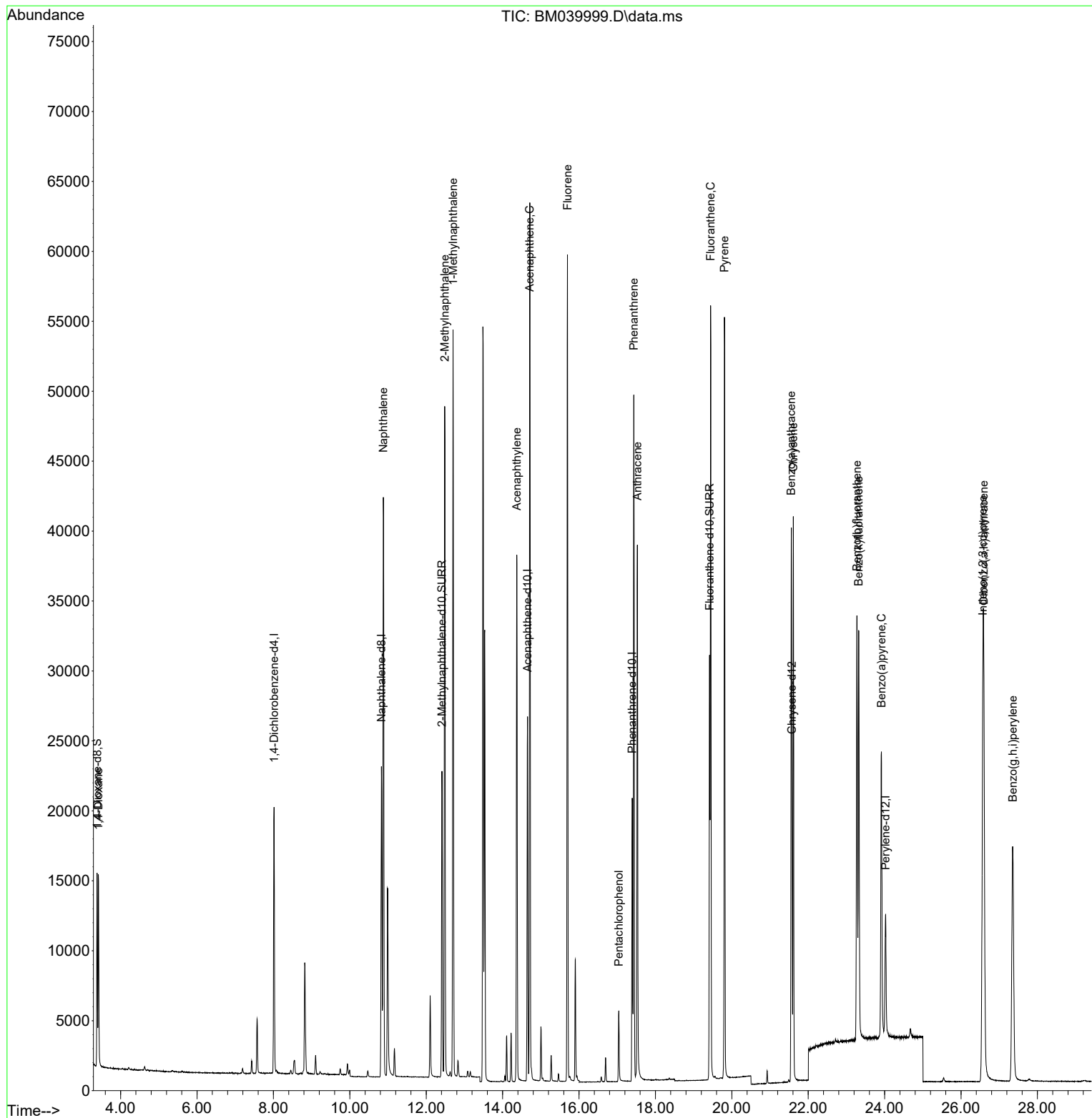
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	9423	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	29593	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.651	164	13815	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.391	188	23080	0.400	ng/ul	0.00
17) Chrysene-d12	21.573	240	13030	0.400	ng/ul	0.00
23) Perylene-d12	24.026	264	12573	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	8562	0.731	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.411	152	27474	0.735	ng/ul	0.00
18) Fluoranthene-d10	19.417	212	29809	0.731	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	8992	0.734	ng/ul	93
5) Naphthalene	10.877	128	55618	0.747	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	33574	0.751	ng/ul	100
8) 1-Methylnaphthalene	12.703	142	34832	0.749	ng/ul	100
10) Acenaphthylene	14.369	152	42173	0.751	ng/ul	100
11) Acenaphthene	14.711	153	34437	0.748	ng/ul	99
12) Fluorene	15.697	166	35797	0.751	ng/ul	100
14) Pentachlorophenol	17.041	266	3419	0.771	ng/ul	99
15) Phenanthrene	17.434	178	50442	0.754	ng/ul	99
16) Anthracene	17.526	178	42344	0.776	ng/ul	99
19) Fluoranthene	19.445	202	45316	0.753	ng/ul	100
20) Pyrene	19.807	202	44461	0.722	ng/ul	100
21) Benzo(a)anthracene	21.556	228	32710	0.716	ng/ul	100
22) Chrysene	21.611	228	35126	0.726	ng/ul	99
24) Benzo(b)fluoranthene	23.274	252	38366	0.757	ng/ul	95
25) Benzo(k)fluoranthene	23.321	252	39202	0.773	ng/ul	96
26) Benzo(a)pyrene	23.915	252	32153	0.763	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.571	276	46836	0.774	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.595	278	38279	0.789	ng/ul	98
29) Benzo(g,h,i)perylene	27.353	276	38081	0.764	ng/ul	99

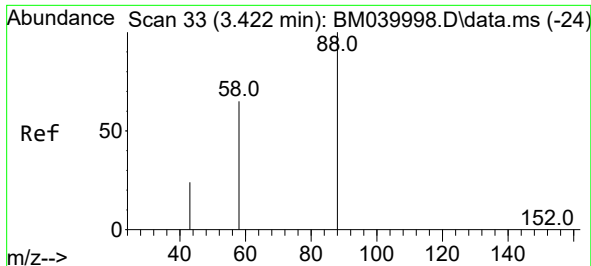
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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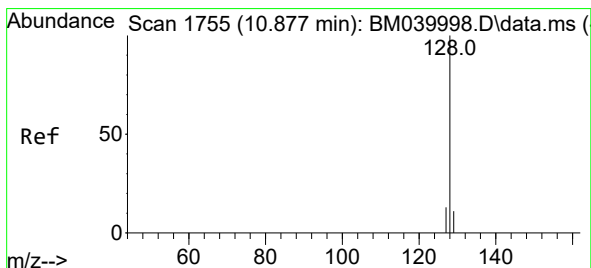
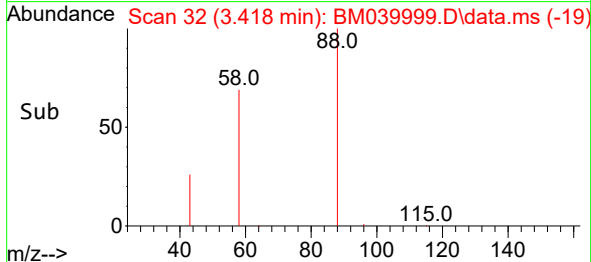
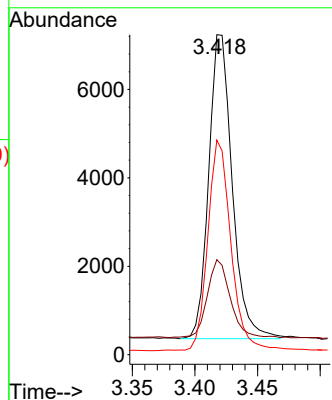
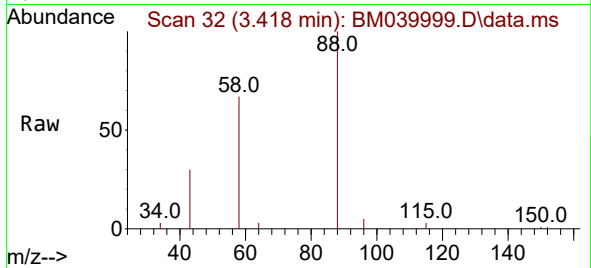




#2
1,4-Dioxane
Concen: 0.734 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

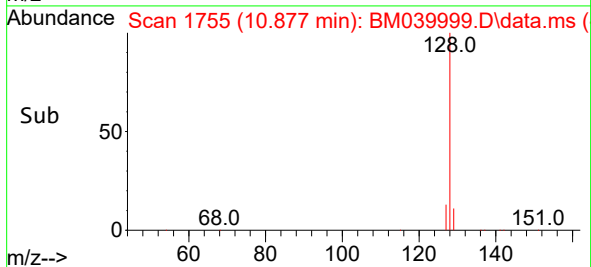
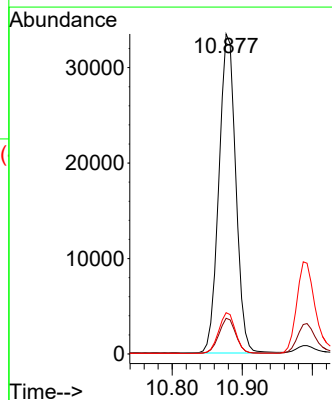
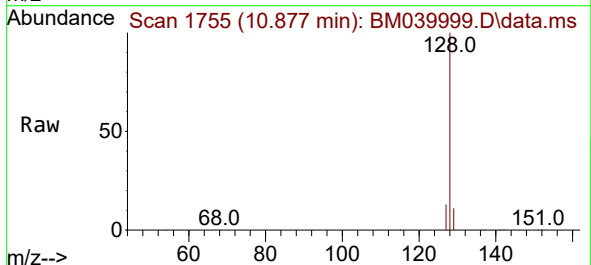
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

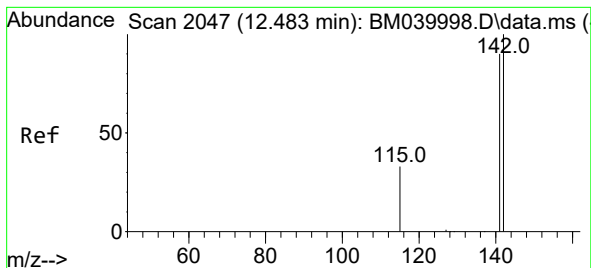
Tgt Ion: 88 Resp: 8992
Ion Ratio Lower Upper
88 100
43 29.7 25.9 38.9
58 67.1 48.5 72.7



#5
Naphthalene
Concen: 0.747 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion: 128 Resp: 55618
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.9 10.5 15.7





#7

2-Methylnaphthalene

Concen: 0.751 ng/ul

RT: 12.483 min Scan# 2047

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

Instrument :

BNA_M

ClientSampleId :

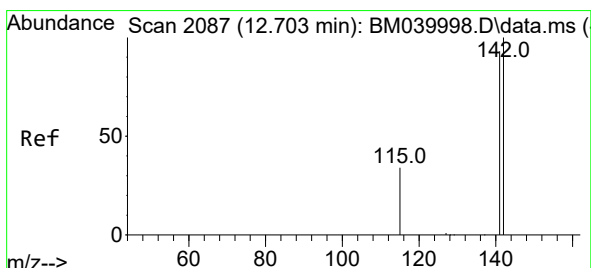
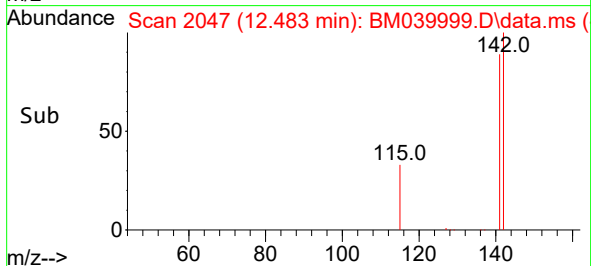
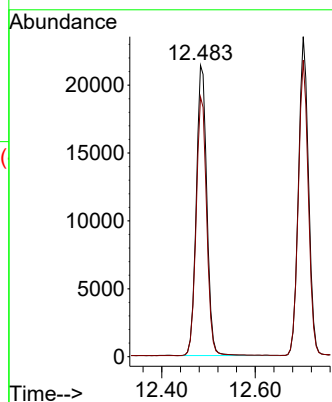
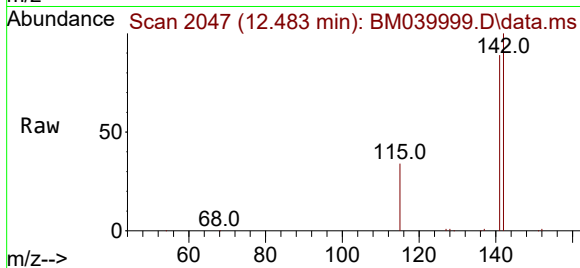
SSTD0.8004

Tgt Ion:142 Resp: 33574

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9



#8

1-Methylnaphthalene

Concen: 0.749 ng/ul

RT: 12.703 min Scan# 2087

Delta R.T. -0.000 min

Lab File: BM039999.D

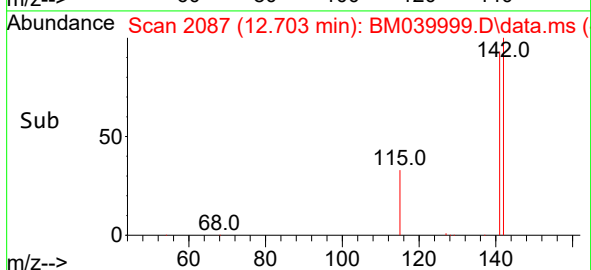
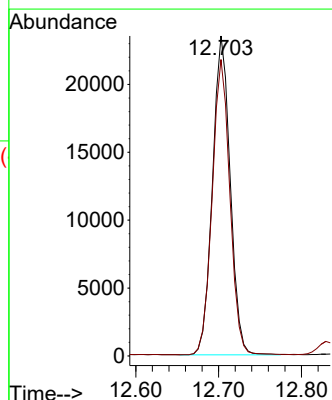
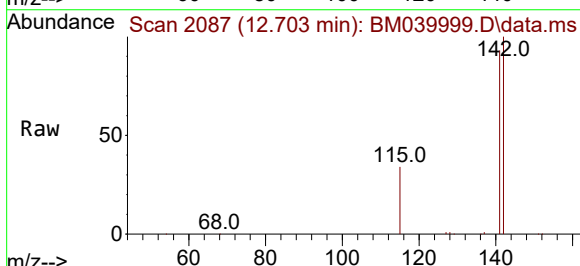
Acq: 25 May 2023 13:12

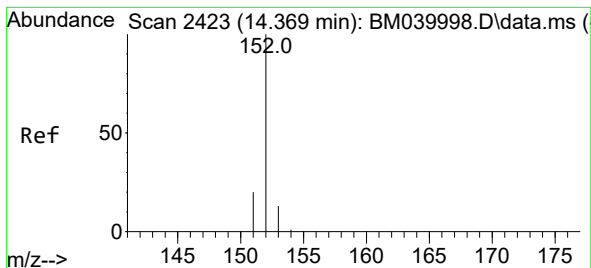
Tgt Ion:142 Resp: 34832

Ion Ratio Lower Upper

142 100

141 92.2 73.8 110.6





#10

Acenaphthylene

Concen: 0.751 ng/ul

RT: 14.369 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

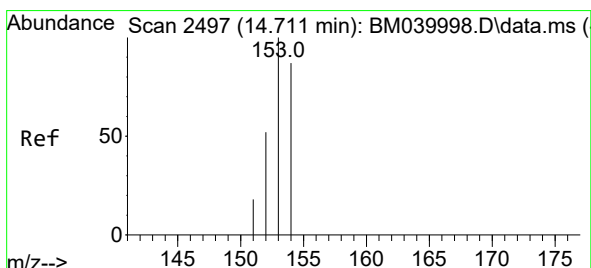
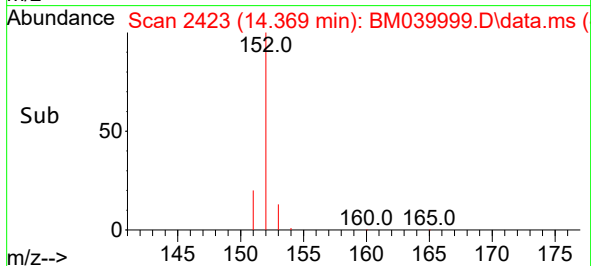
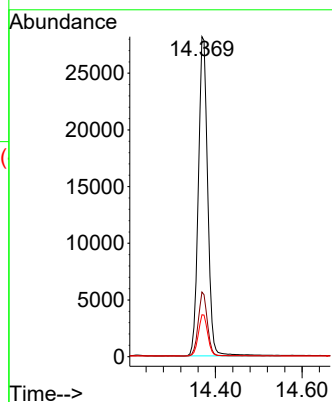
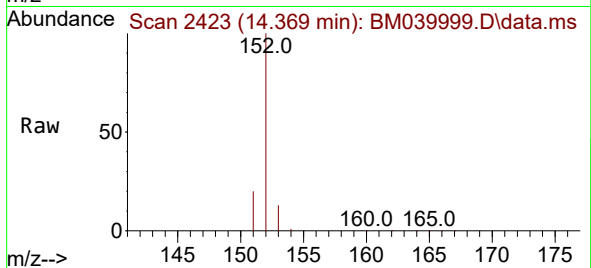
Tgt Ion:152 Resp: 42173

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.1 10.6 16.0



#11

Acenaphthene

Concen: 0.748 ng/ul

RT: 14.711 min Scan# 2497

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

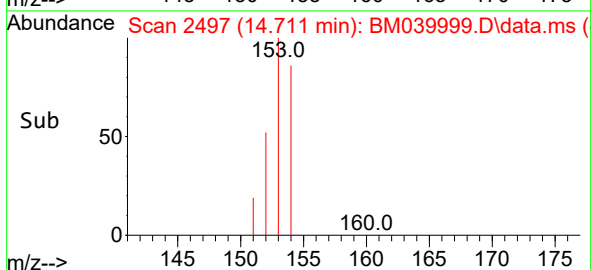
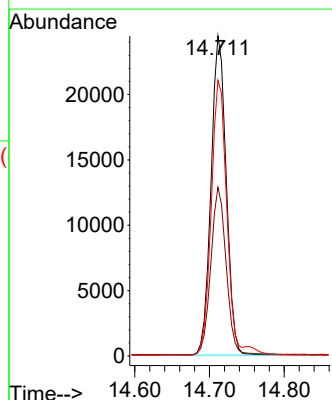
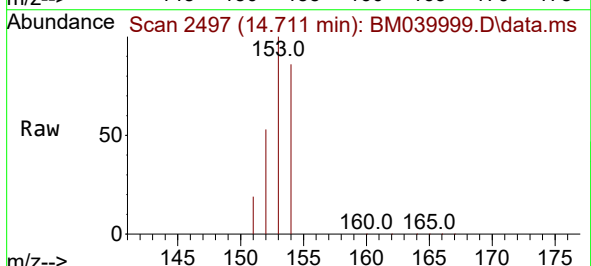
Tgt Ion:153 Resp: 34437

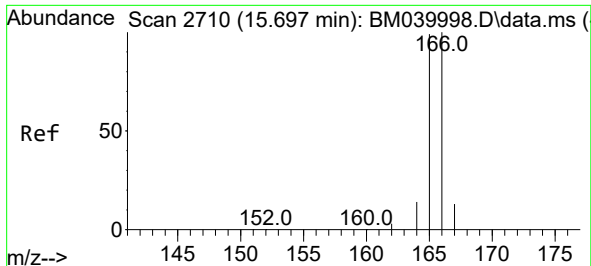
Ion Ratio Lower Upper

153 100

152 52.7 42.0 63.0

154 86.1 69.4 104.2

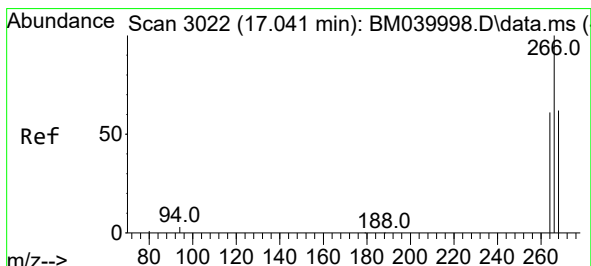
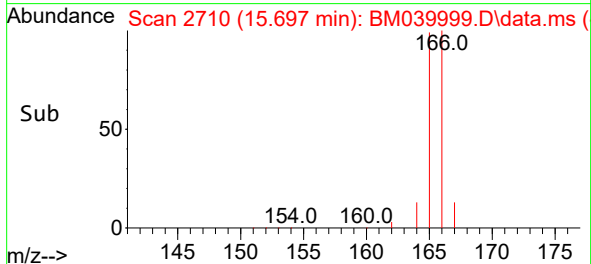
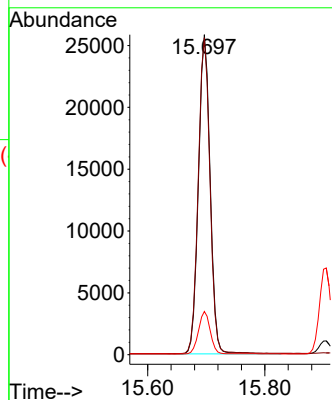
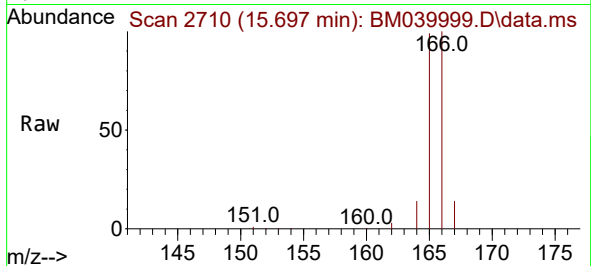




#12
Fluorene
Concen: 0.751 ng/ul
RT: 15.697 min Scan# 2710
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

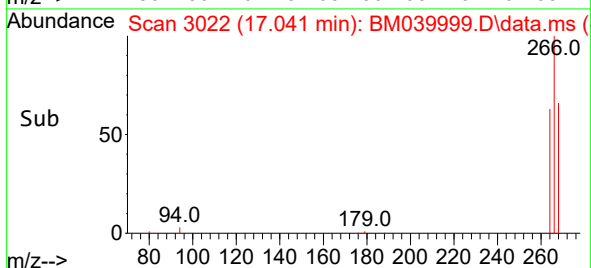
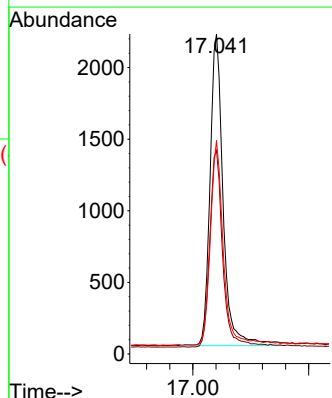
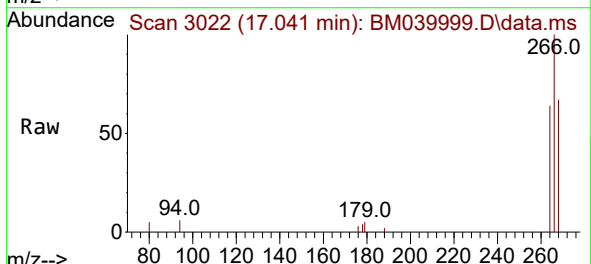
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

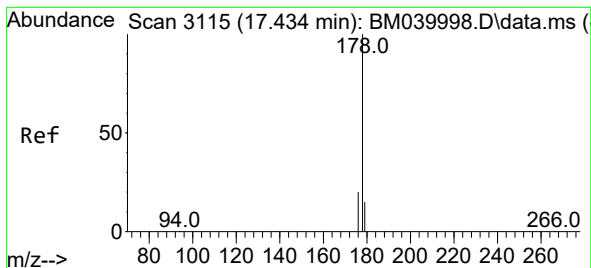
Tgt Ion:166 Resp: 35797
Ion Ratio Lower Upper
166 100
165 99.1 79.3 118.9
167 13.5 10.8 16.2



#14
Pentachlorophenol
Concen: 0.771 ng/ul
RT: 17.041 min Scan# 3022
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion:266 Resp: 3419
Ion Ratio Lower Upper
266 100
264 62.8 49.2 73.8
268 64.4 51.9 77.9





#15

Phenanthrene

Concen: 0.754 ng/ul

RT: 17.434 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

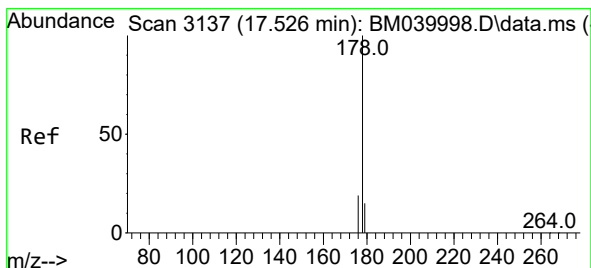
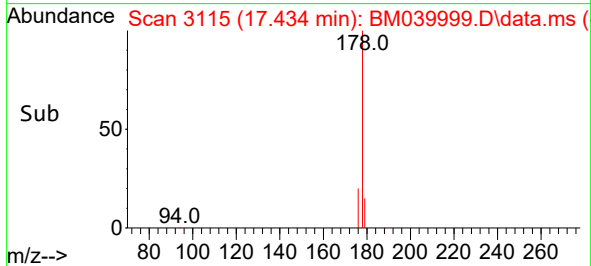
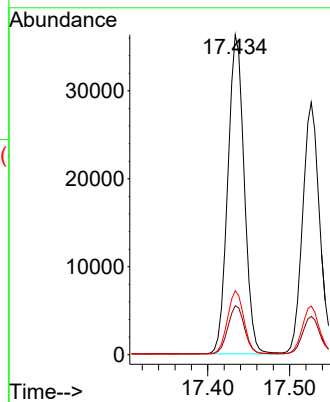
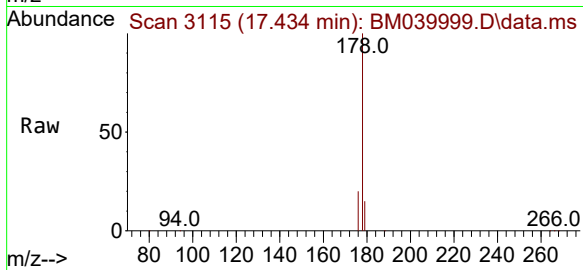
Tgt Ion:178 Resp: 50442

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 20.0 16.3 24.5



#16

Anthracene

Concen: 0.776 ng/ul

RT: 17.526 min Scan# 3137

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

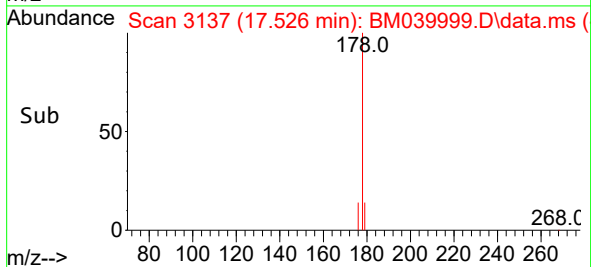
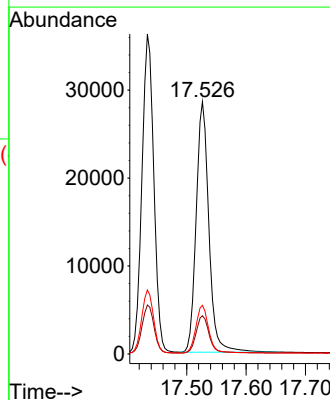
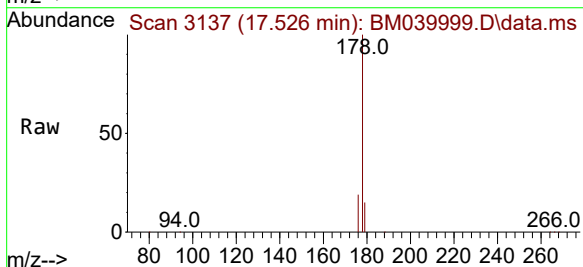
Tgt Ion:178 Resp: 42344

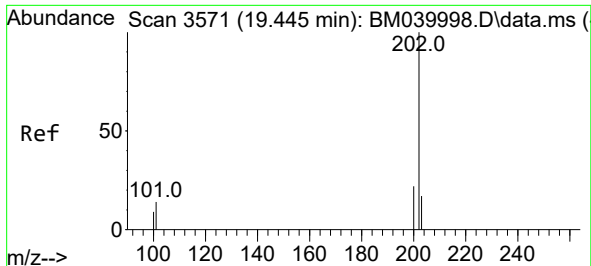
Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

176 19.3 15.5 23.3

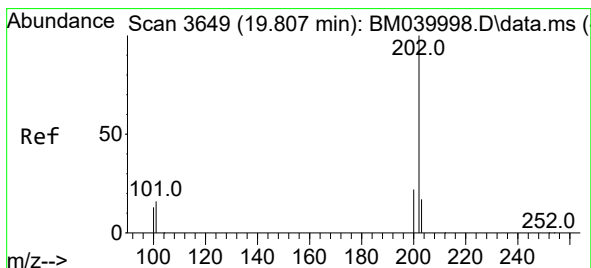
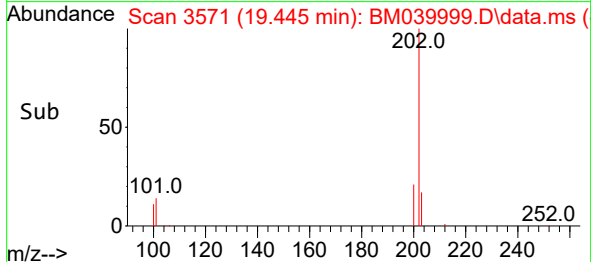
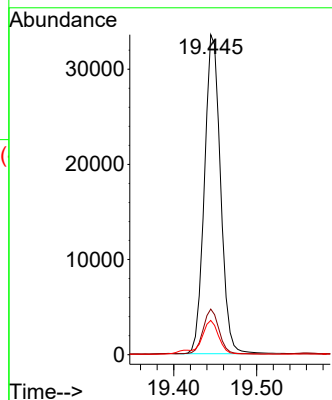
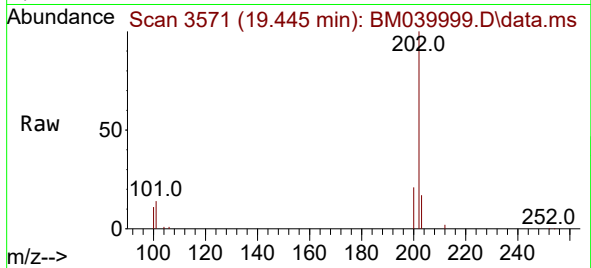




#19
Fluoranthene
Concen: 0.753 ng/ul
RT: 19.445 min Scan# 3571
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

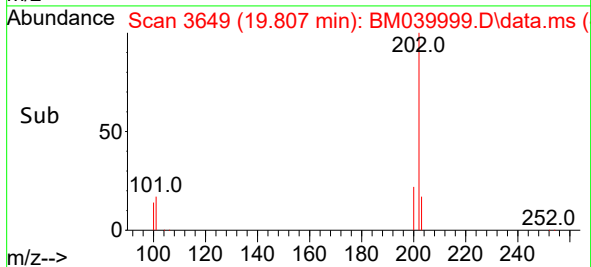
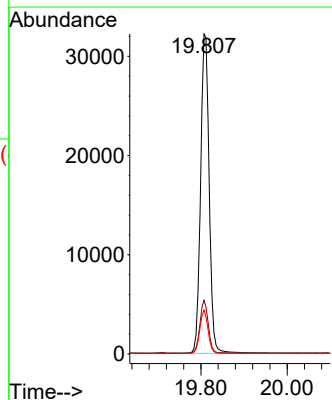
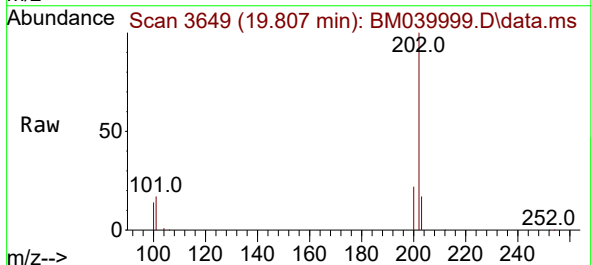
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

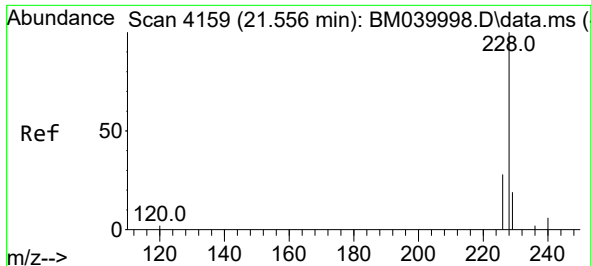
Tgt Ion:202 Resp: 45316
Ion Ratio Lower Upper
202 100
101 14.3 11.5 17.3
100 10.7 8.5 12.7



#20
Pyrene
Concen: 0.722 ng/ul
RT: 19.807 min Scan# 3649
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion:202 Resp: 44461
Ion Ratio Lower Upper
202 100
101 16.7 13.3 19.9
100 13.8 10.9 16.3

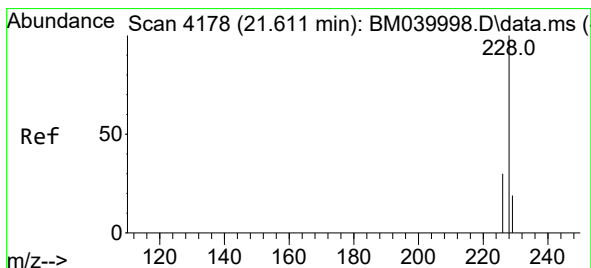
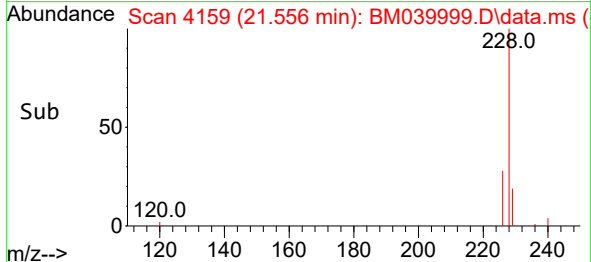
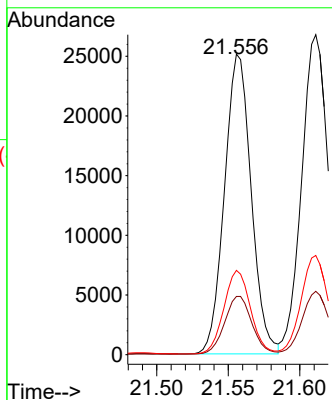
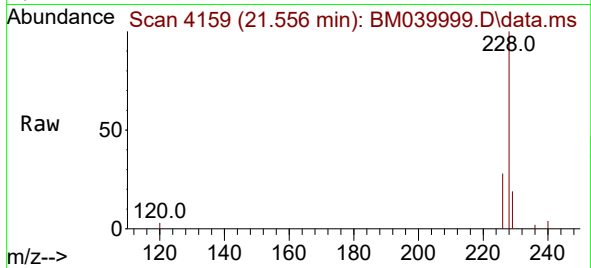




#21
Benzo(a)anthracene
Concen: 0.716 ng/ul
RT: 21.556 min Scan# 4159
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

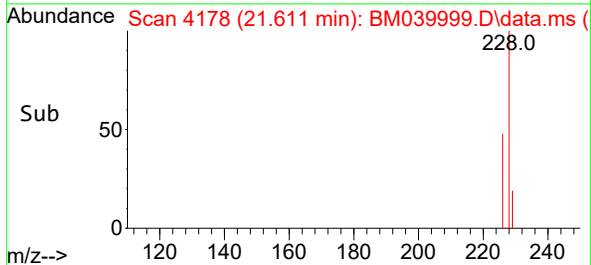
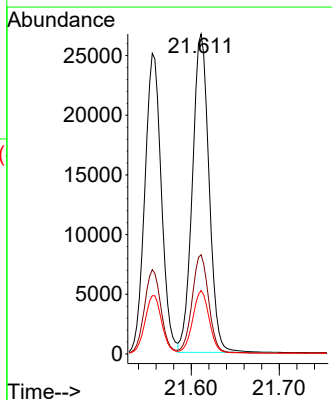
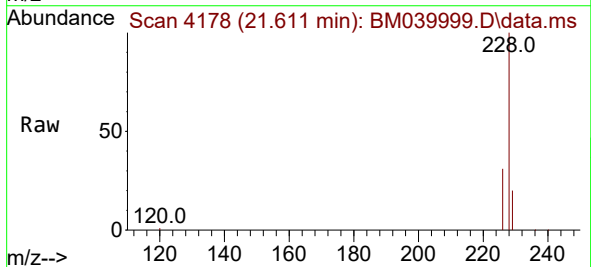
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

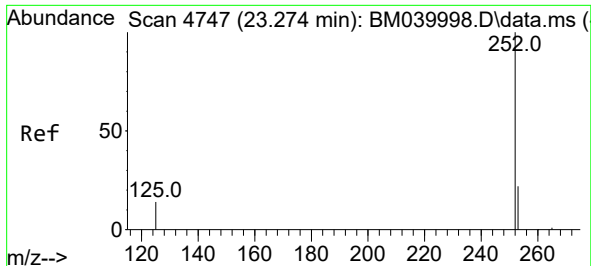
Tgt Ion:228 Resp: 32710
Ion Ratio Lower Upper
228 100
229 19.4 15.6 23.4
226 28.0 22.5 33.7



#22
Chrysene
Concen: 0.726 ng/ul
RT: 21.611 min Scan# 4178
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion:228 Resp: 35126
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 19.8 15.6 23.4

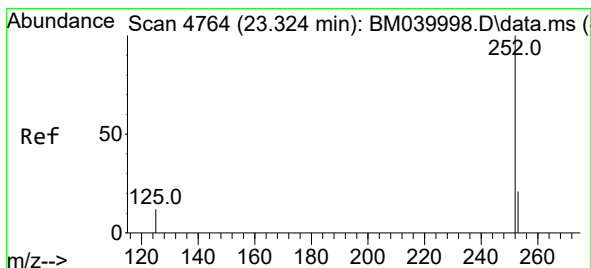
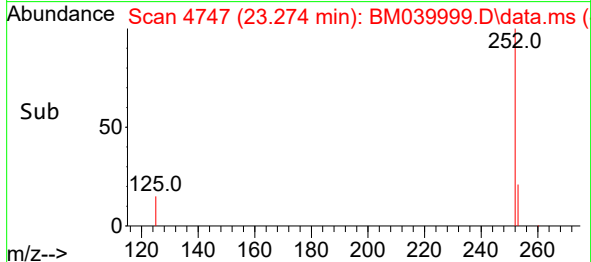
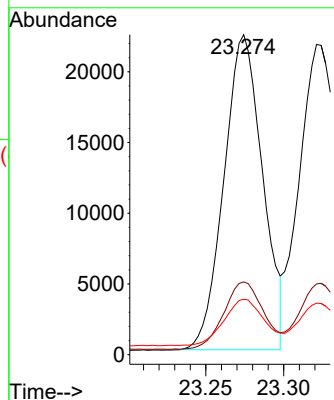
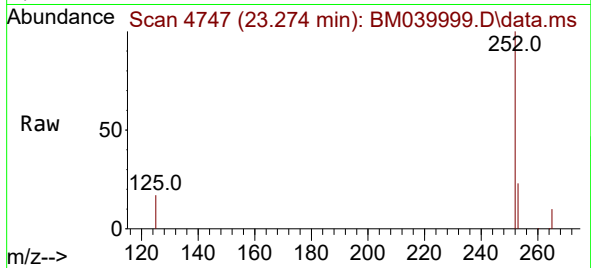




#24
Benzo(b)fluoranthene
Concen: 0.757 ng/ul
RT: 23.274 min Scan# 4747
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

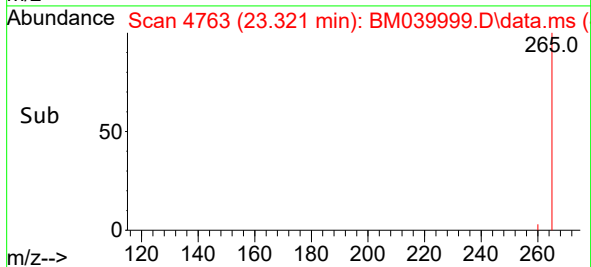
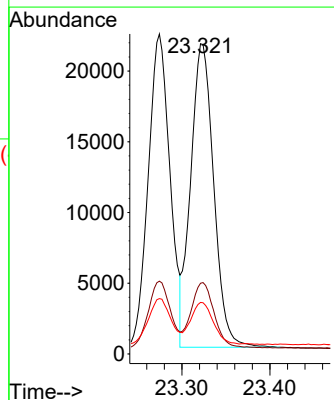
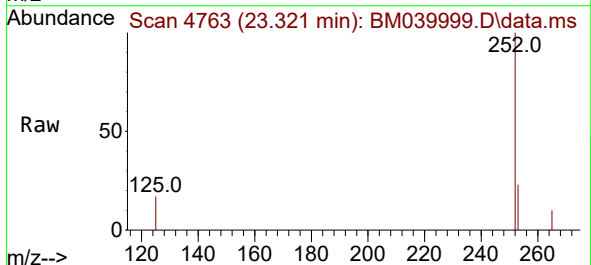
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

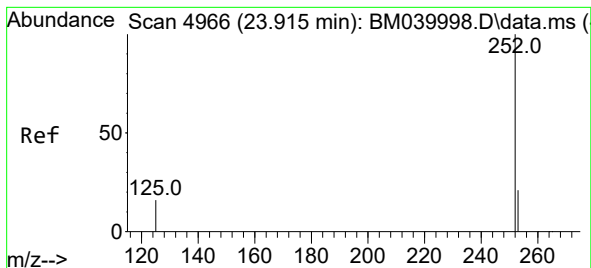
Tgt Ion:252 Resp: 38366
Ion Ratio Lower Upper
252 100
253 22.7 0.0 49.8
125 17.3 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.773 ng/ul
RT: 23.321 min Scan# 4763
Delta R.T. -0.003 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion:252 Resp: 39202
Ion Ratio Lower Upper
252 100
253 22.8 19.7 29.5
125 16.6 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.763 ng/ul

RT: 23.915 min Scan# 4966

Delta R.T. -0.000 min

Lab File: BM039999.D

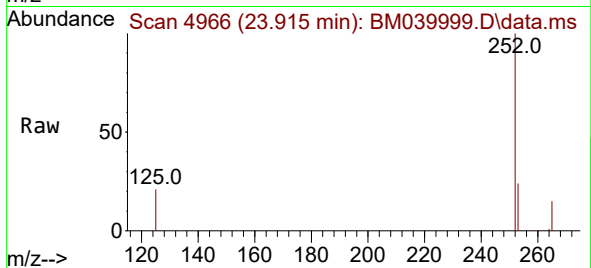
Acq: 25 May 2023 13:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004



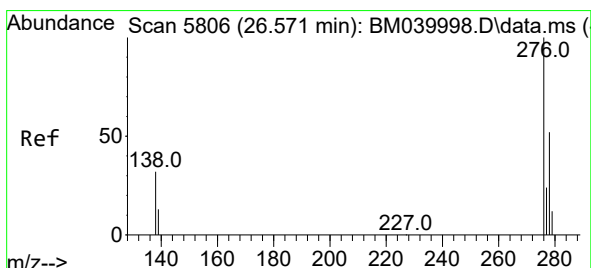
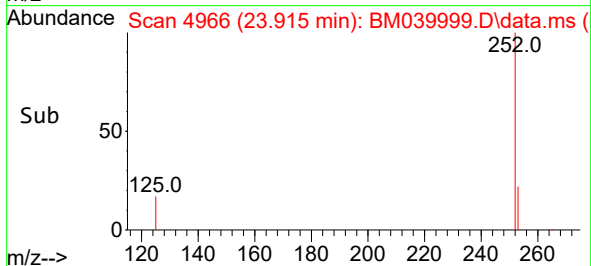
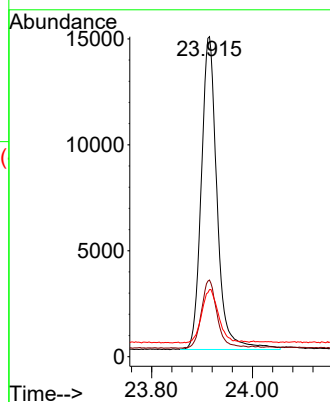
Tgt Ion:252 Resp: 32153

Ion Ratio Lower Upper

252 100

253 24.0 20.6 31.0

125 21.0 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.774 ng/ul

RT: 26.571 min Scan# 5806

Delta R.T. -0.000 min

Lab File: BM039999.D

Acq: 25 May 2023 13:12

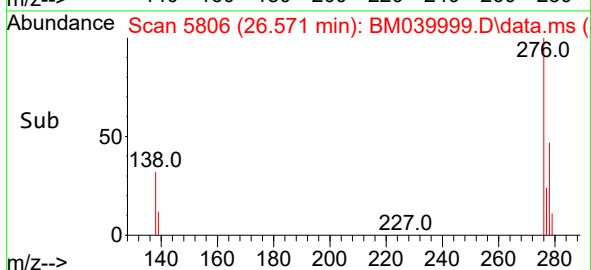
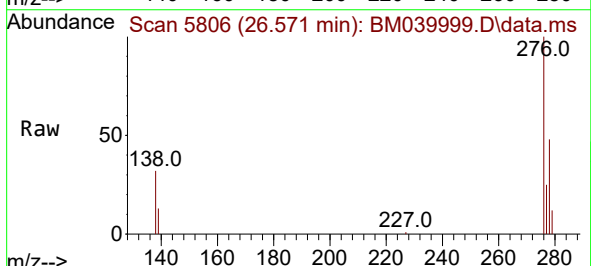
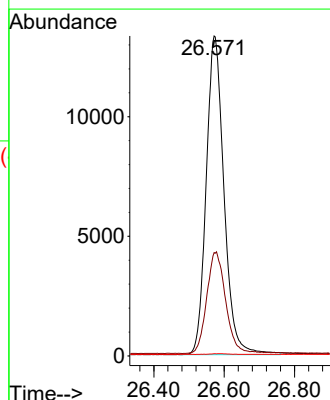
Tgt Ion:276 Resp: 46836

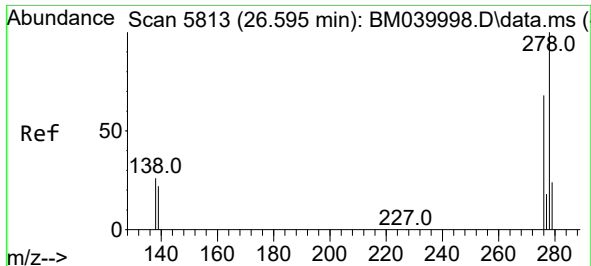
Ion Ratio Lower Upper

276 100

138 34.1 26.9 40.3

227 0.2 0.1 0.1#

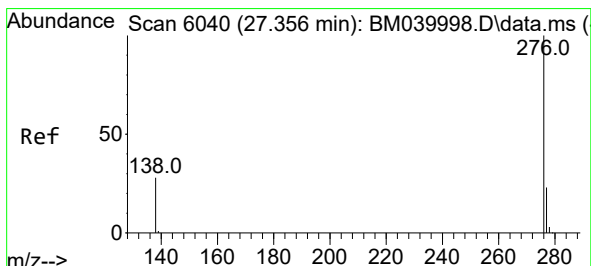
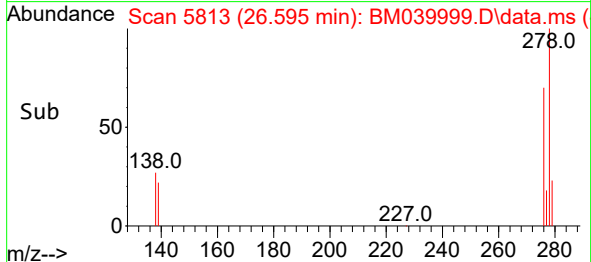
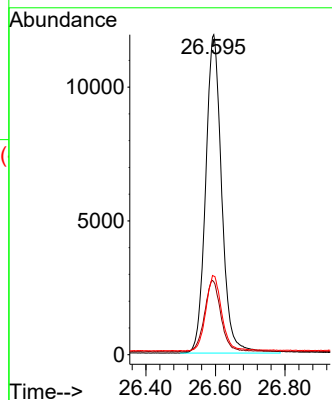
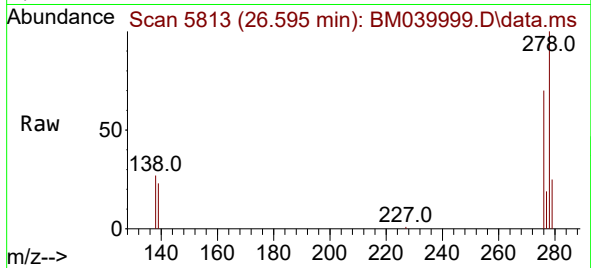




#28
Dibenzo(a,h)anthracene
Concen: 0.789 ng/ul
RT: 26.595 min Scan# 5813
Delta R.T. -0.000 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

Tgt Ion:278 Resp: 38279
Ion Ratio Lower Upper
278 100
139 22.7 19.0 28.4
279 24.5 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.764 ng/ul
RT: 27.353 min Scan# 6039
Delta R.T. -0.003 min
Lab File: BM039999.D
Acq: 25 May 2023 13:12

Tgt Ion:276 Resp: 38081
Ion Ratio Lower Upper
276 100
138 29.1 23.9 35.9
277 24.0 19.5 29.3

