

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM039996.D
 Acq On : 25 May 2023 11:24
 Operator : CG/JU
 Sample : SST0.170
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.1001

Quant Time: May 25 13:37:22 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 13:35:21 2023
 Response via : Initial Calibration

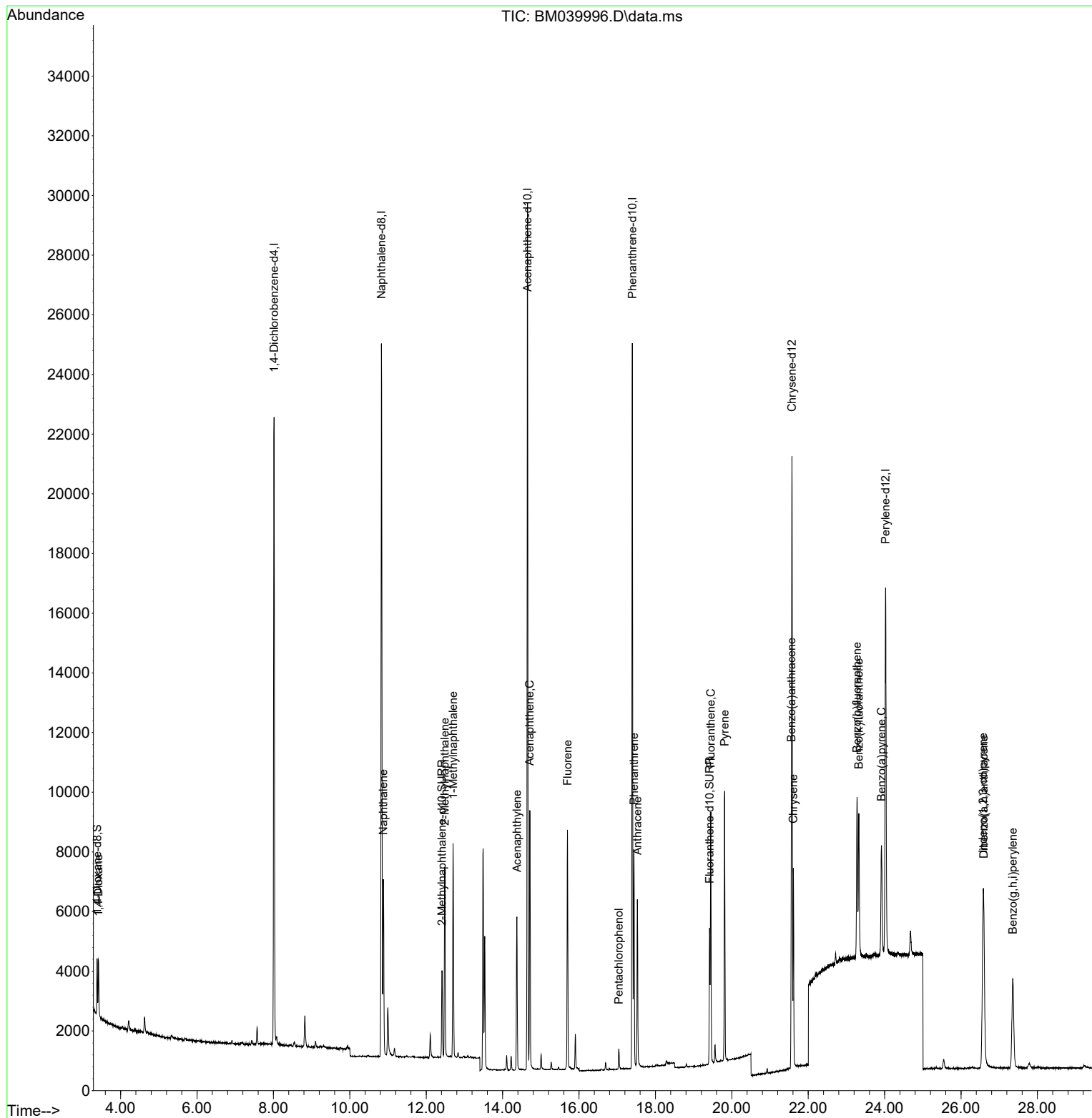
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	10623	0.400	ng/ul	0.00
4) Naphthalene-d8	10.827	136	32733	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.651	164	15437	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.395	188	27340	0.400	ng/ul	0.00
17) Chrysene-d12	21.573	240	16457	0.400	ng/ul	0.00
23) Perylene-d12	24.026	264	17251	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	1169	0.084	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.411	152	3924	0.104	ng/ul	0.00
18) Fluoranthene-d10	19.417	212	4709	0.089	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	1284	0.086	ng/ul#	76
5) Naphthalene	10.877	128	7827	0.093	ng/ul	97
7) 2-Methylnaphthalene	12.488	142	4685	0.099	ng/ul	99
8) 1-Methylnaphthalene	12.703	142	4875	0.098	ng/ul	99
10) Acenaphthylene	14.373	152	5947	0.094	ng/ul	98
11) Acenaphthene	14.711	153	4839	0.093	ng/ul	100
12) Fluorene	15.697	166	4948	0.094	ng/ul	100
14) Pentachlorophenol	17.041	266	484	0.086	ng/ul	99
15) Phenanthrene	17.438	178	7546	0.097	ng/ul	98
16) Anthracene	17.526	178	6122	0.096	ng/ul	97
19) Fluoranthene	19.449	202	6905	0.087	ng/ul	99
20) Pyrene	19.812	202	7298	0.093	ng/ul	99
21) Benzo(a)anthracene	21.558	228	5526	0.107	ng/ul	98
22) Chrysene	21.611	228	5759	0.096	ng/ul	98
24) Benzo(b)fluoranthene	23.277	252	6689	0.098	ng/ul	75
25) Benzo(k)fluoranthene	23.324	252	6636	0.094	ng/ul#	79
26) Benzo(a)pyrene	23.914	252	5594	0.101	ng/ul#	63
27) Indeno(1,2,3-cd)pyrene	26.578	276	8231	0.109	ng/ul	98
28) Dibenzo(a,h)anthracene	26.595	278	6573	0.109	ng/ul#	90
29) Benzo(g,h,i)perylene	27.356	276	6801	0.105	ng/ul	92

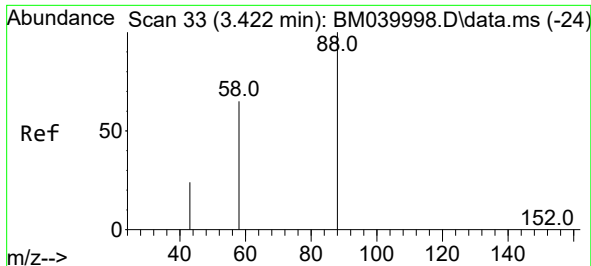
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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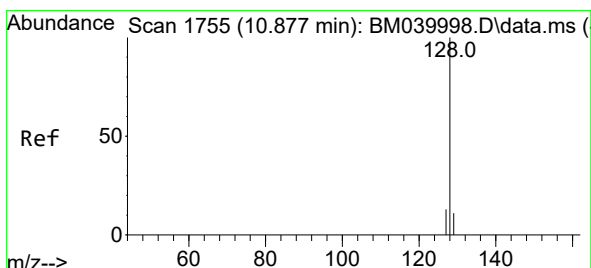
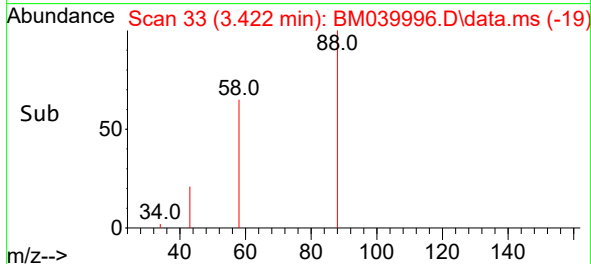
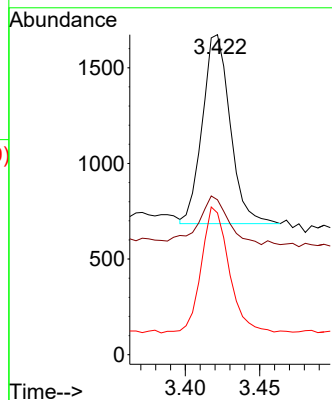
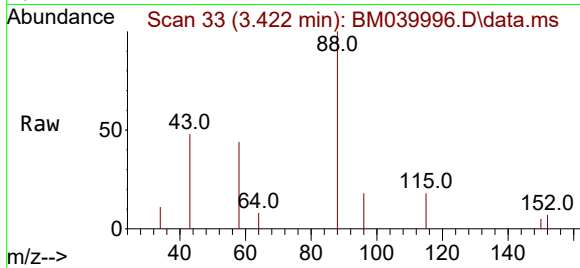




#2
1,4-Dioxane
Concen: 0.086 ng/ul
RT: 3.422 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

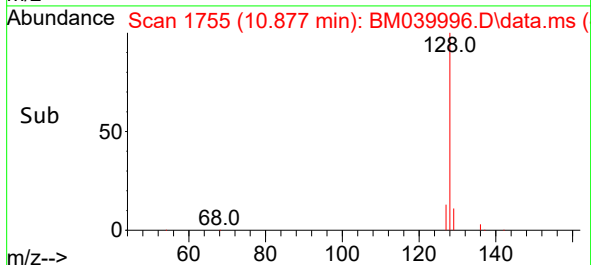
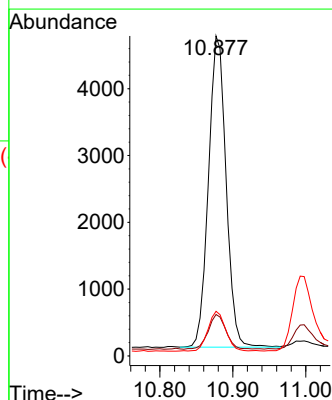
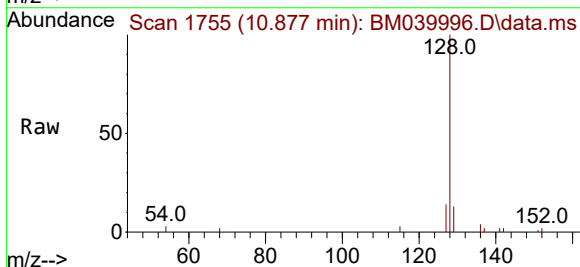
Instrument :
BNA_M
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SSTD0.1001

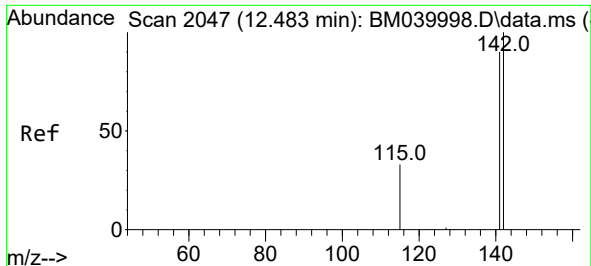
Tgt Ion: 88 Resp: 1284
Ion Ratio Lower Upper
88 100
43 48.4 25.9 38.9#
58 44.3 48.5 72.7#



#5
Naphthalene
Concen: 0.093 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion: 128 Resp: 7827
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.6
127 13.9 10.5 15.7

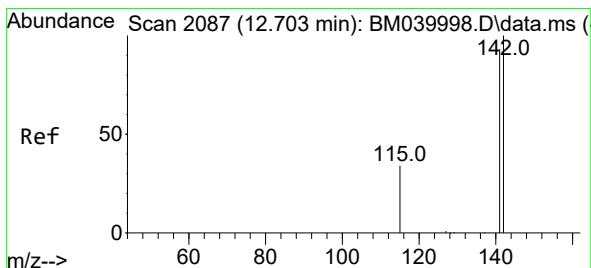
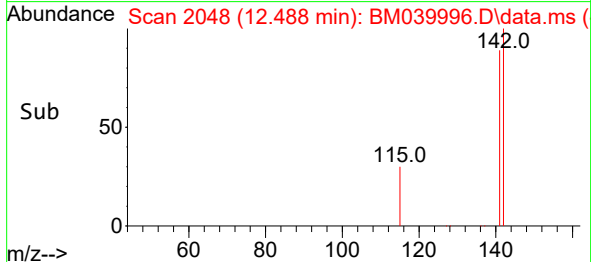
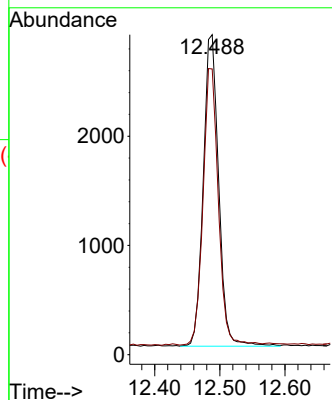
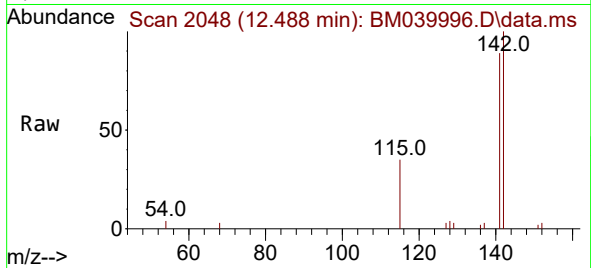




#7
2-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 12.488 min Scan# 2048
Delta R.T. 0.005 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

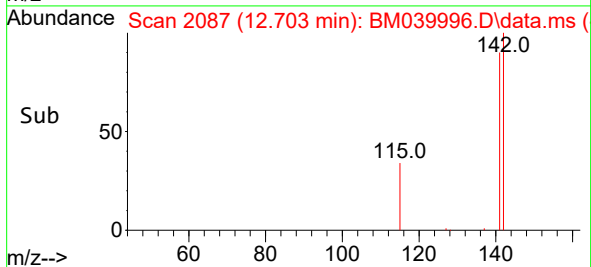
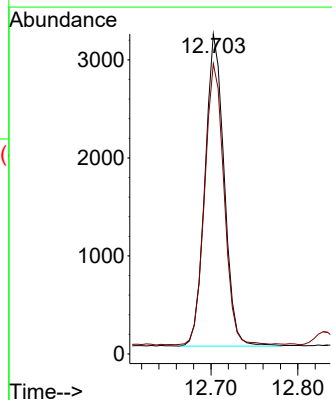
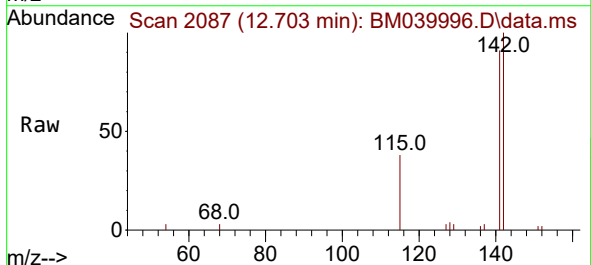
Instrument :
BNA_M
ClientSampleId :
SSTD0.1001

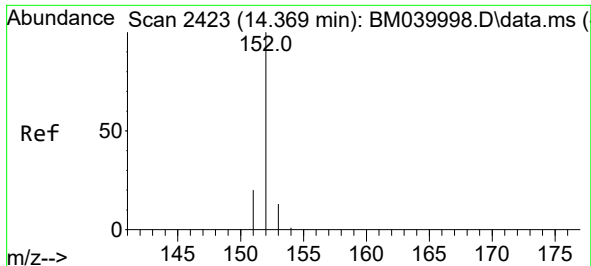
Tgt Ion:142 Resp: 4685
Ion Ratio Lower Upper
142 100
141 88.2 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.098 ng/ul
RT: 12.703 min Scan# 2087
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:142 Resp: 4875
Ion Ratio Lower Upper
142 100
141 91.5 73.8 110.6

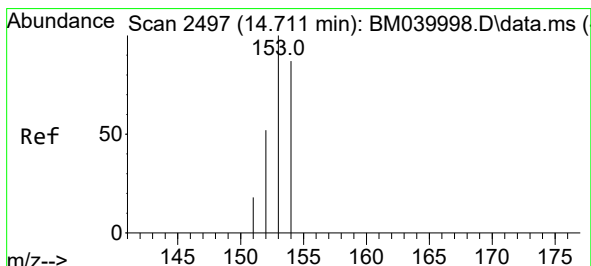
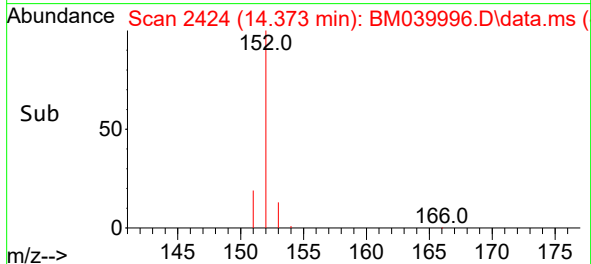
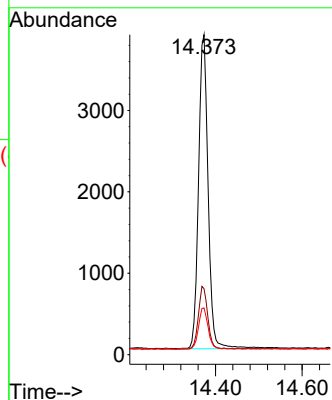
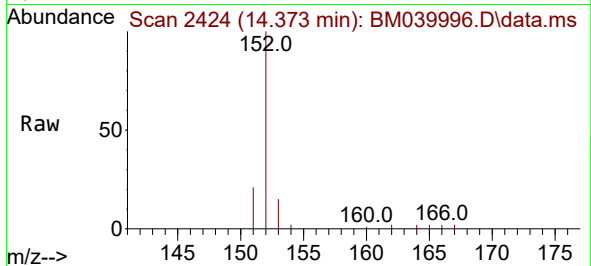




#10
Acenaphthylene
Concen: 0.094 ng/ul
RT: 14.373 min Scan# 2424
Delta R.T. 0.004 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

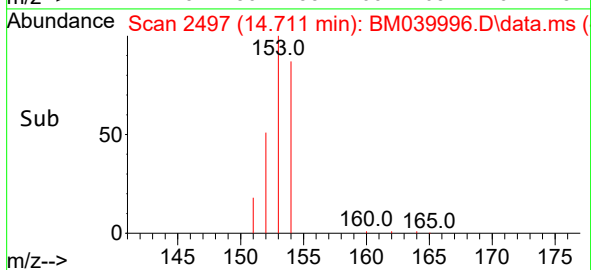
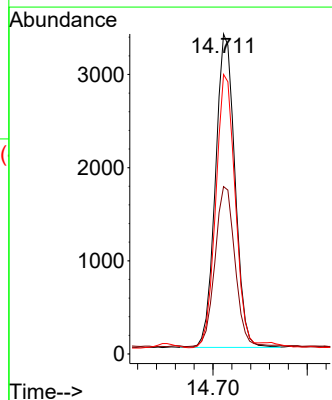
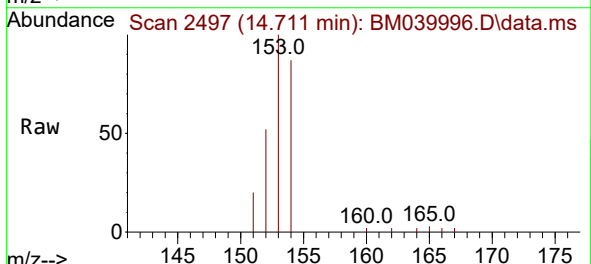
Instrument :
BNA_M
ClientSampleId :
SSTD0.1001

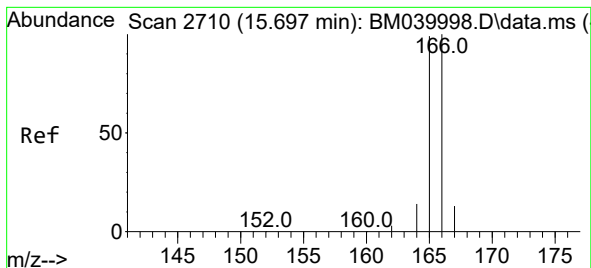
Tgt Ion:	152	Resp:	5947
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.4
153	14.6	10.6	16.0



#11
Acenaphthene
Concen: 0.093 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:	153	Resp:	4839
Ion Ratio	Lower	Upper	
153	100		
152	52.3	42.0	63.0
154	87.4	69.4	104.2





#12

Fluorene

Concen: 0.094 ng/ul

RT: 15.697 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039996.D

Acq: 25 May 2023 11:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.1001

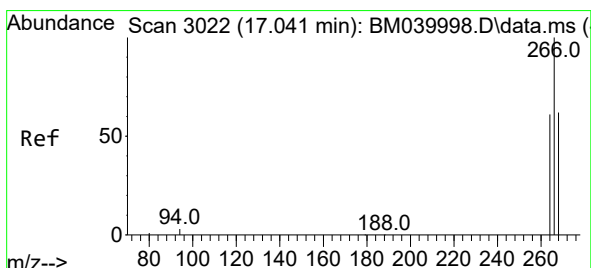
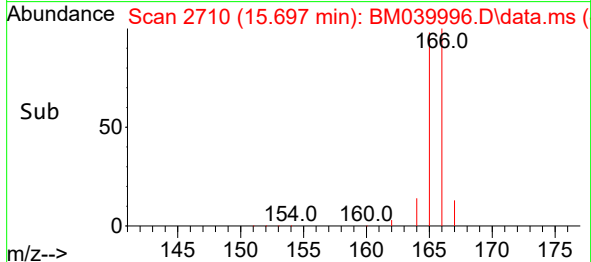
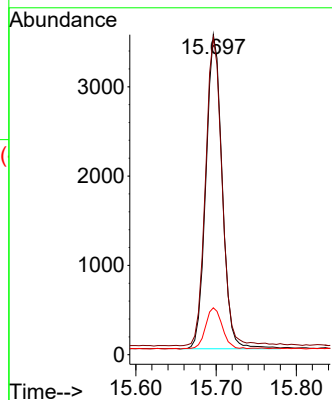
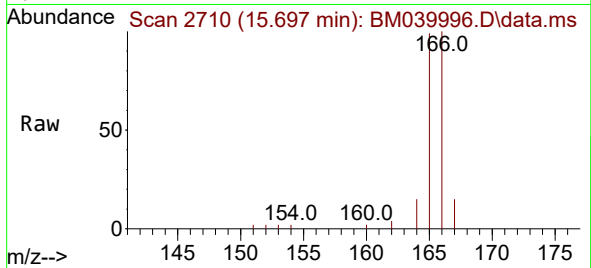
Tgt Ion:166 Resp: 4948

Ion Ratio Lower Upper

166 100

165 99.2 79.3 118.9

167 14.7 10.8 16.2



#14

Pentachlorophenol

Concen: 0.086 ng/ul

RT: 17.041 min Scan# 3022

Delta R.T. -0.000 min

Lab File: BM039996.D

Acq: 25 May 2023 11:24

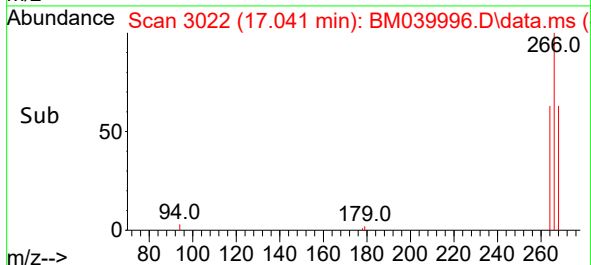
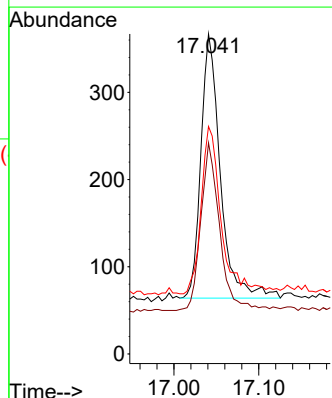
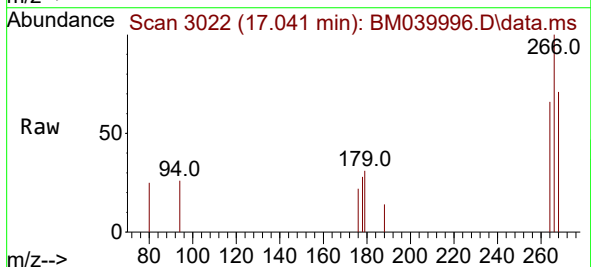
Tgt Ion:266 Resp: 484

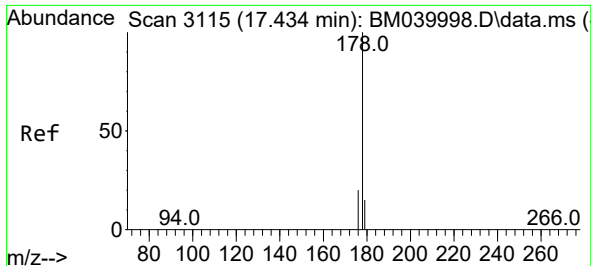
Ion Ratio Lower Upper

266 100

264 62.2 49.2 73.8

268 65.9 51.9 77.9

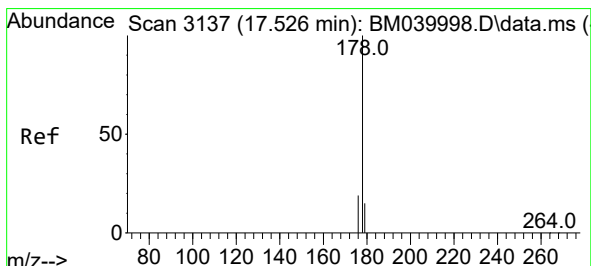
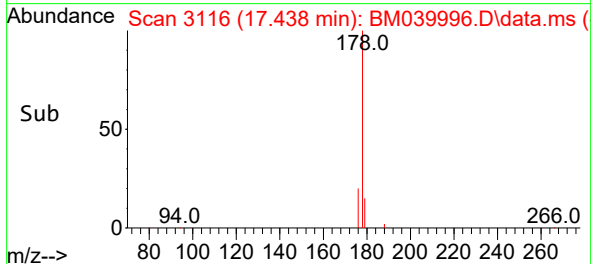
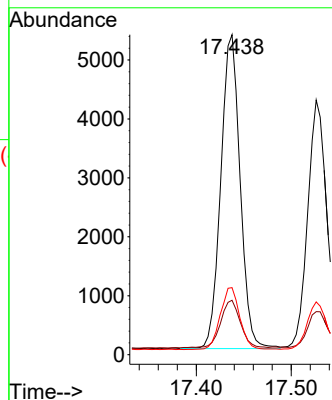
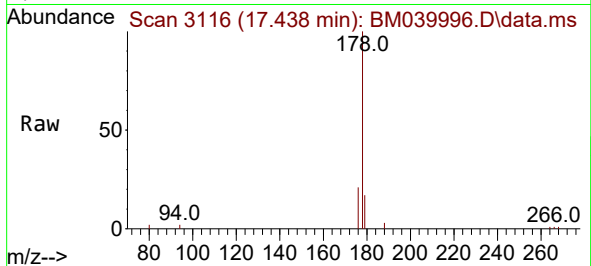




#15
Phenanthrene
Concen: 0.097 ng/ul
RT: 17.438 min Scan# 3115
Delta R.T. 0.004 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

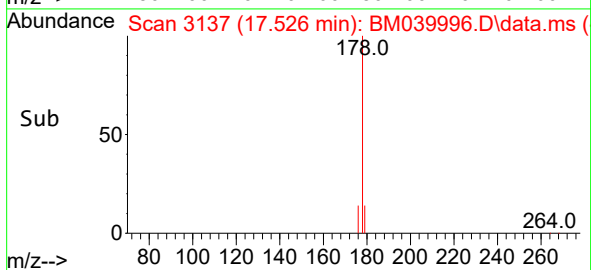
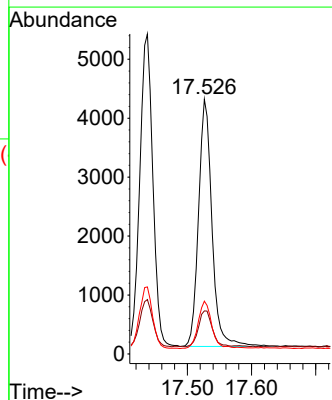
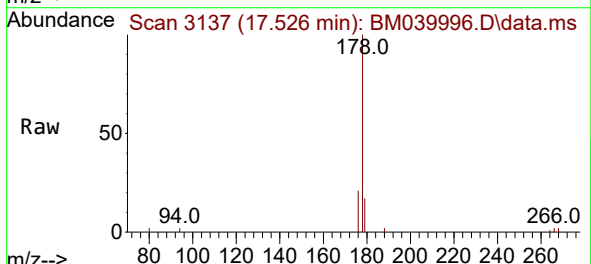
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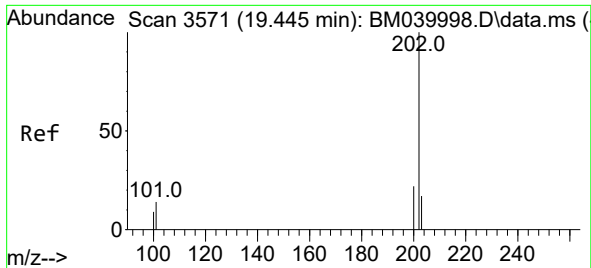
Tgt Ion:178 Resp: 7546
Ion Ratio Lower Upper
178 100
179 17.0 12.4 18.6
176 20.9 16.3 24.5



#16
Anthracene
Concen: 0.096 ng/ul
RT: 17.526 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:178 Resp: 6122
Ion Ratio Lower Upper
178 100
179 16.9 12.6 19.0
176 20.7 15.5 23.3

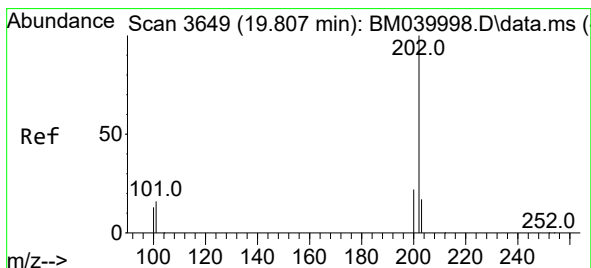
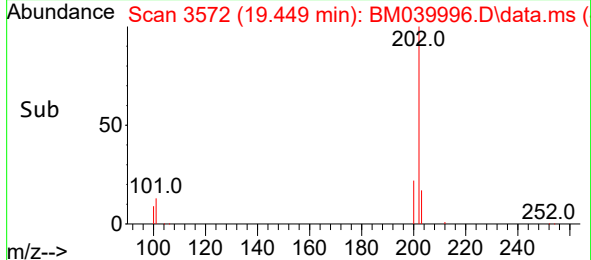
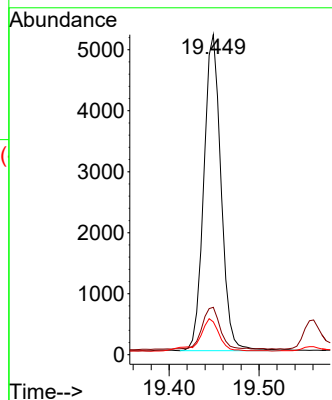
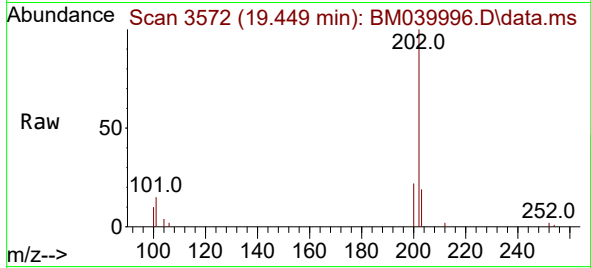




#19
Fluoranthene
Concen: 0.087 ng/ul
RT: 19.449 min Scan# 3571
Delta R.T. 0.004 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

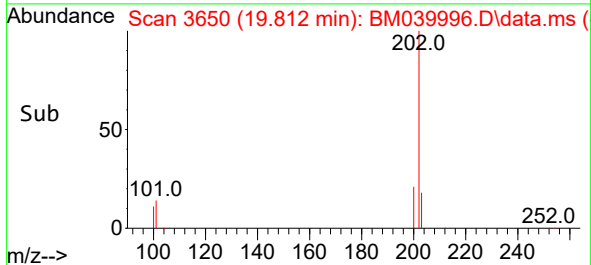
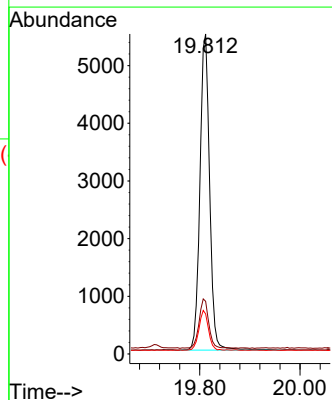
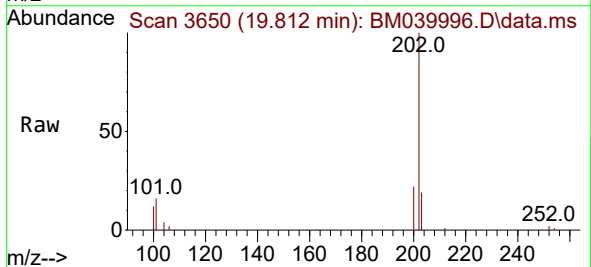
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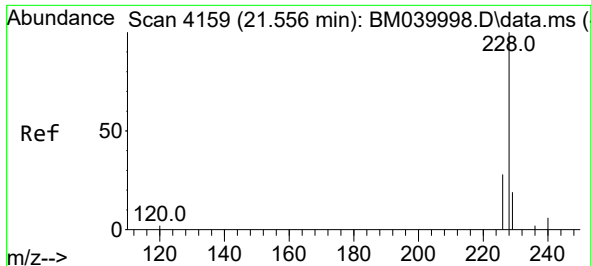
Tgt Ion:202 Resp: 6905
Ion Ratio Lower Upper
202 100
101 14.8 11.5 17.3
100 10.3 8.5 12.7



#20
Pyrene
Concen: 0.093 ng/ul
RT: 19.812 min Scan# 3650
Delta R.T. 0.004 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:202 Resp: 7298
Ion Ratio Lower Upper
202 100
101 16.5 13.3 19.9
100 12.5 10.9 16.3

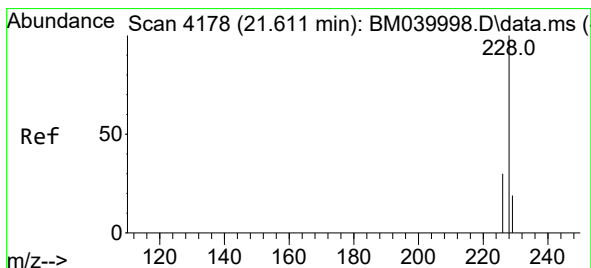
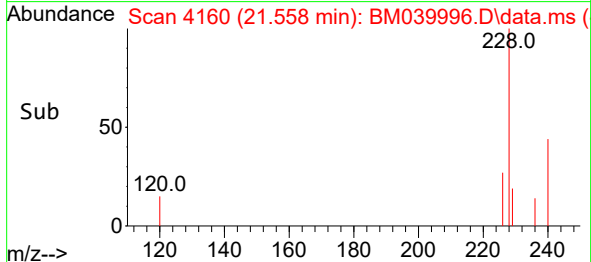
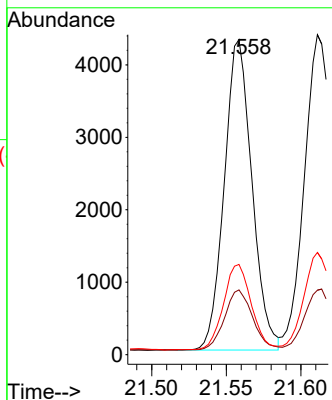
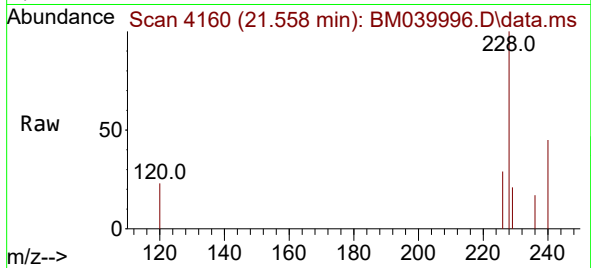




#21
Benzo(a)anthracene
Concen: 0.107 ng/ul
RT: 21.558 min Scan# 4159
Delta R.T. 0.003 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

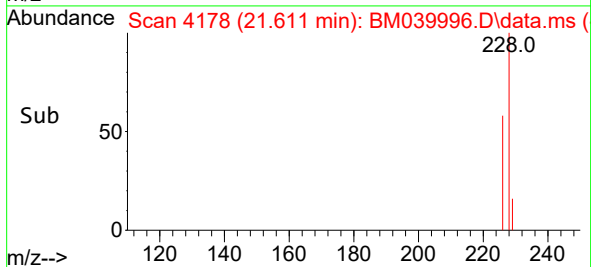
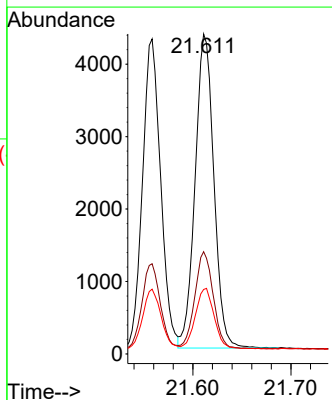
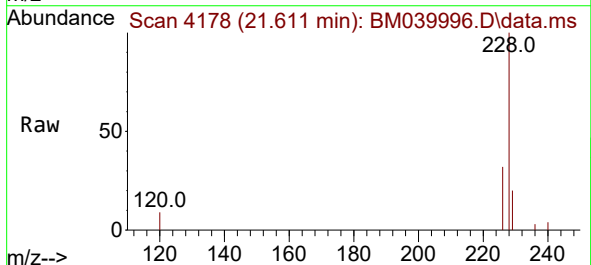
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SSTD0.1001

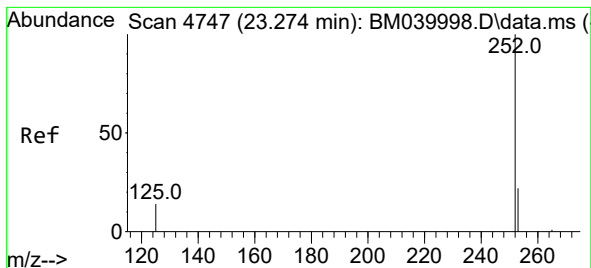
Tgt Ion:228 Resp: 5526
Ion Ratio Lower Upper
228 100
229 20.6 15.6 23.4
226 28.7 22.5 33.7



#22
Chrysene
Concen: 0.096 ng/ul
RT: 21.611 min Scan# 4178
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:228 Resp: 5759
Ion Ratio Lower Upper
228 100
226 32.0 24.6 36.8
229 20.1 15.6 23.4





#24

Benzo(b)fluoranthene

Concen: 0.098 ng/ul

RT: 23.277 min Scan# 4747

Delta R.T. 0.003 min

Lab File: BM039996.D

Acq: 25 May 2023 11:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.1001

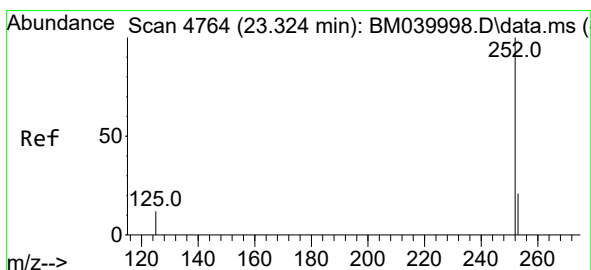
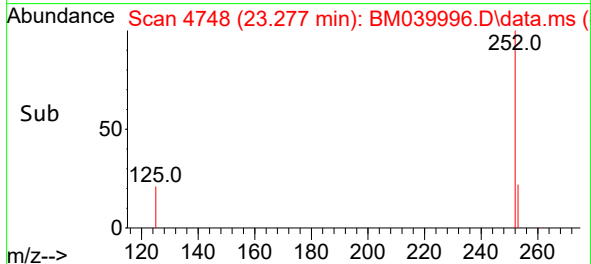
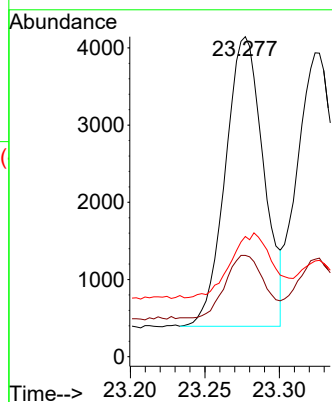
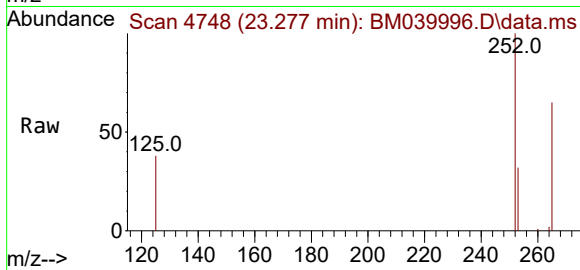
Tgt Ion:252 Resp: 6689

Ion Ratio Lower Upper

252 100

253 31.7 0.0 49.8

125 37.5 0.0 39.2



#25

Benzo(k)fluoranthene

Concen: 0.094 ng/ul

RT: 23.324 min Scan# 4764

Delta R.T. -0.000 min

Lab File: BM039996.D

Acq: 25 May 2023 11:24

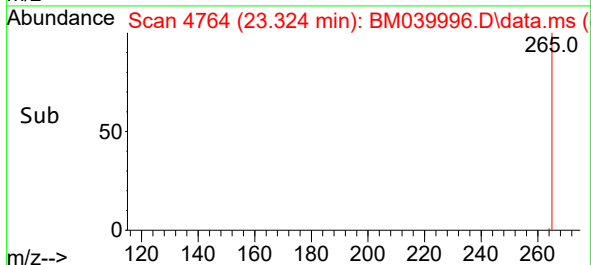
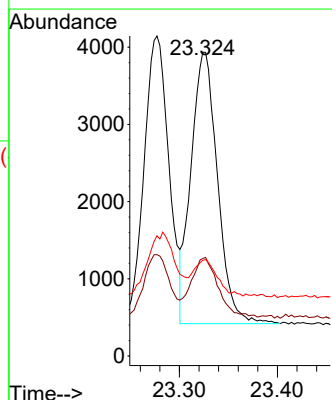
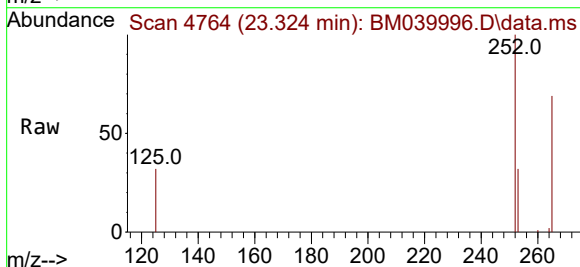
Tgt Ion:252 Resp: 6636

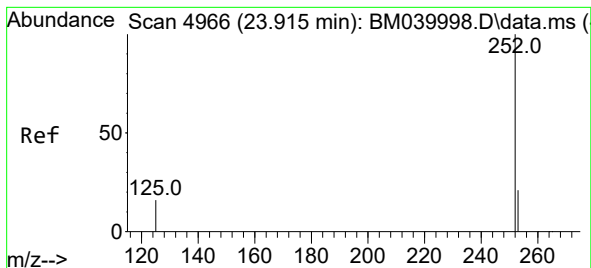
Ion Ratio Lower Upper

252 100

253 32.1 19.7 29.5#

125 31.5 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.101 ng/ul

RT: 23.914 min Scan# 4966

Delta R.T. -0.000 min

Lab File: BM039996.D

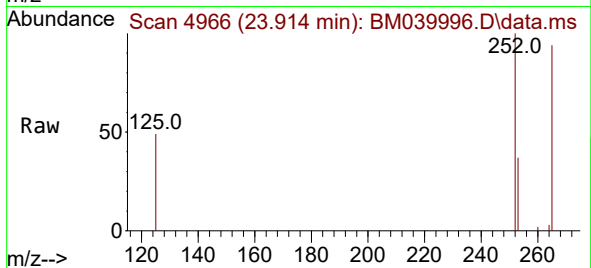
Acq: 25 May 2023 11:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.1001



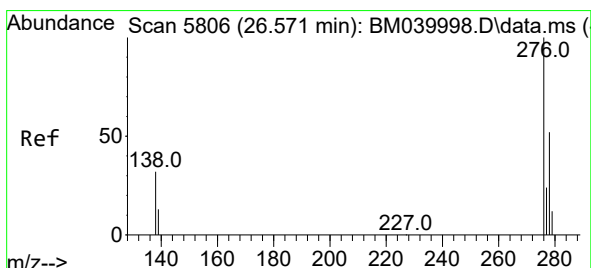
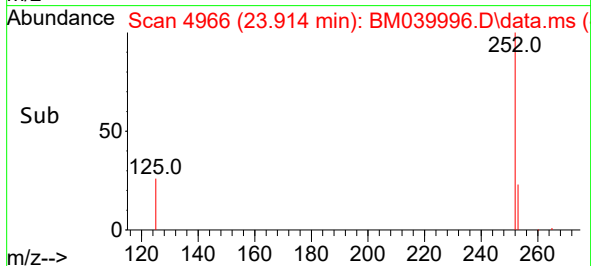
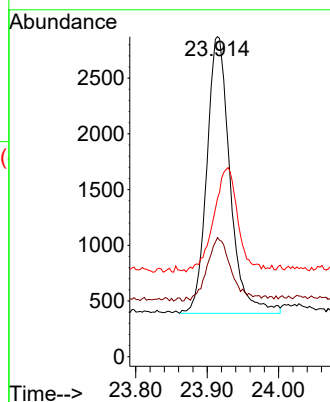
Tgt Ion:252 Resp: 5594

Ion Ratio Lower Upper

252 100

253 37.2 20.6 31.0#

125 49.4 19.1 28.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.109 ng/ul

RT: 26.578 min Scan# 5808

Delta R.T. 0.007 min

Lab File: BM039996.D

Acq: 25 May 2023 11:24

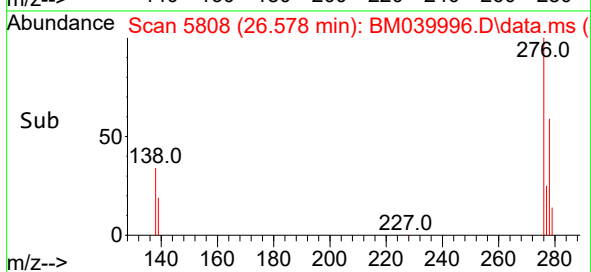
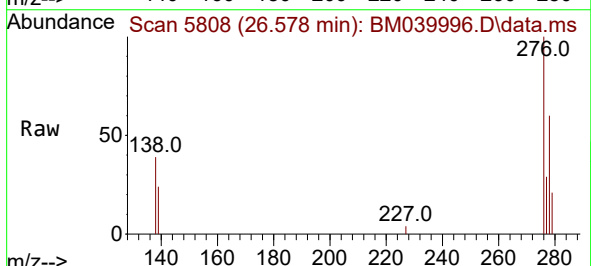
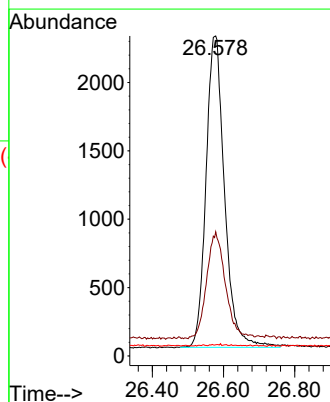
Tgt Ion:276 Resp: 8231

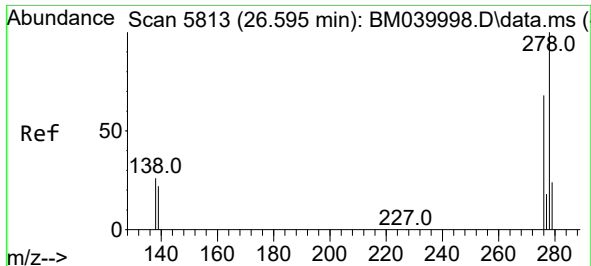
Ion Ratio Lower Upper

276 100

138 34.7 26.9 40.3

227 0.1 0.1 0.1

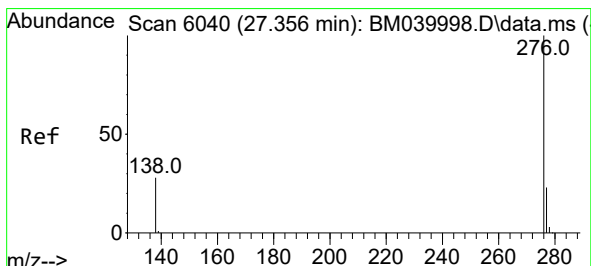
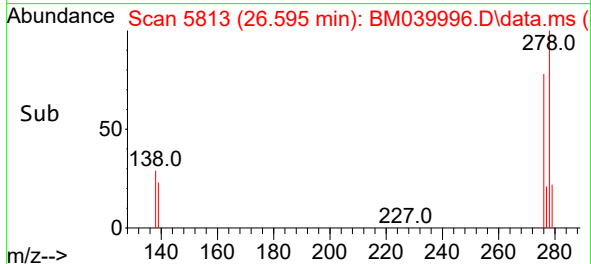
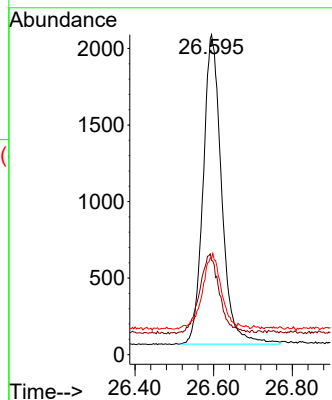
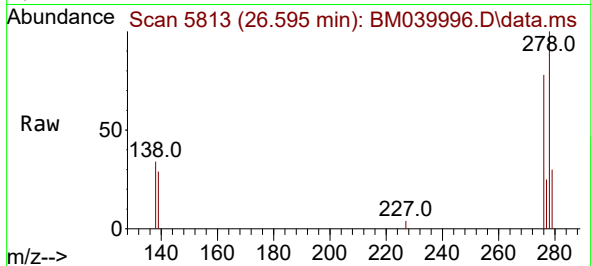




#28
Dibenzo(a,h)anthracene
Concen: 0.109 ng/ul
RT: 26.595 min Scan# 5813
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Instrument :
BNA_M
ClientSampleId :
SSTD0.1001

Tgt Ion:278 Resp: 6573
Ion Ratio Lower Upper
278 100
139 29.4 19.0 28.4#
279 30.1 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.105 ng/ul
RT: 27.356 min Scan# 6040
Delta R.T. -0.000 min
Lab File: BM039996.D
Acq: 25 May 2023 11:24

Tgt Ion:276 Resp: 6801
Ion Ratio Lower Upper
276 100
138 33.9 23.9 35.9
277 28.5 19.5 29.3

