

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044109.D
 Acq On : 15 Feb 2024 20:22
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4186

Quant Time: Feb 15 23:32:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
 Response via : Initial Calibration

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

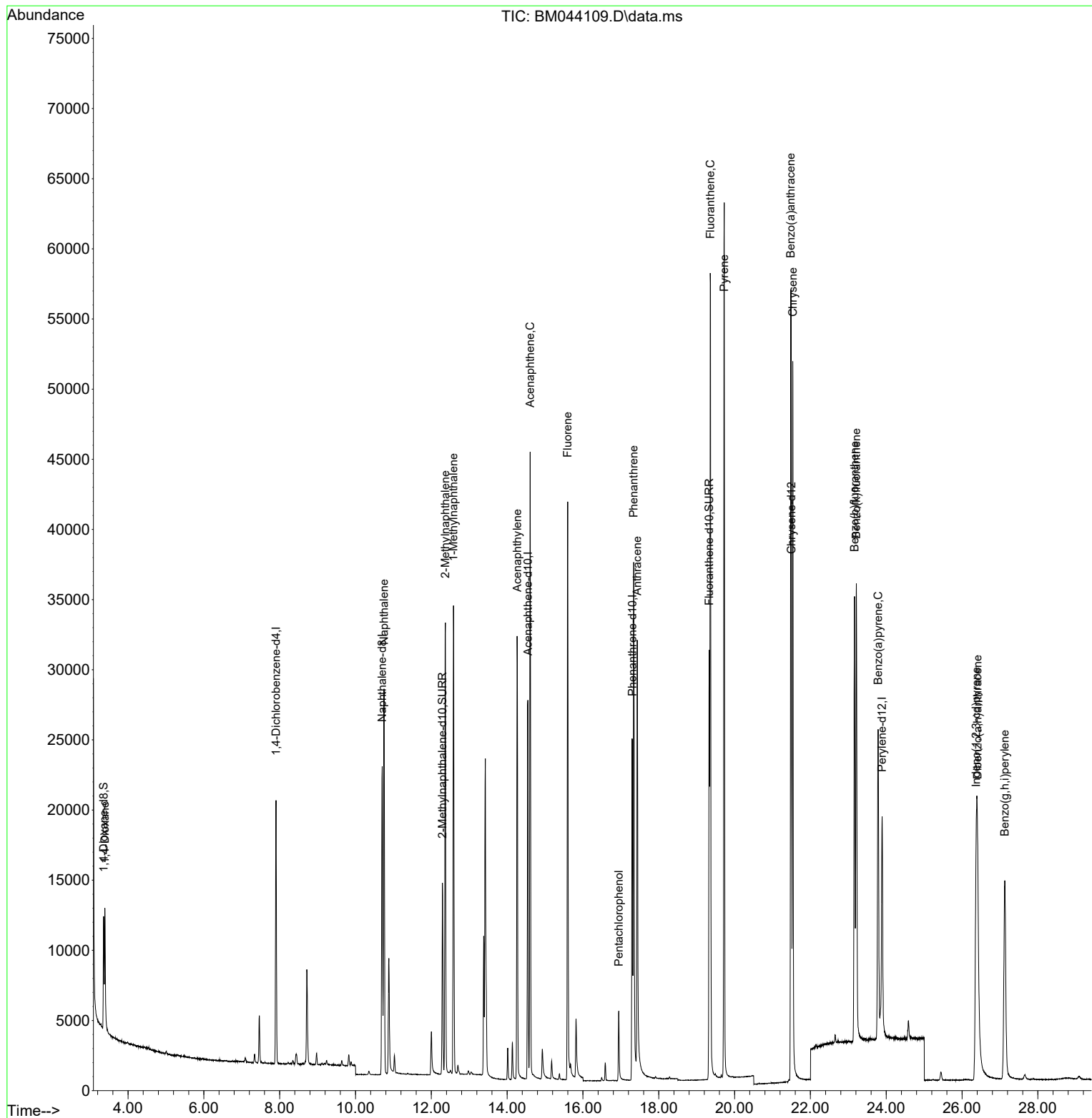
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	9565	0.400	ng/ul	0.00
4) Naphthalene-d8	10.704	136	30173	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.547	164	15369	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.301	188	32839	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	23345	0.400	ng/ul	0.00
23) Perylene-d12	23.891	264	23582	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.356	96	5784	0.427	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	17995	0.426	ng/ul	0.00
18) Fluoranthene-d10	19.331	212	33863	0.486	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.390	88	5625	0.415	ng/ul#	90
5) Naphthalene	10.754	128	38266	0.427	ng/ul	98
7) 2-Methylnaphthalene	12.371	142	23601	0.427	ng/ul	99
8) 1-Methylnaphthalene	12.585	142	23723	0.424	ng/ul	99
10) Acenaphthylene	14.265	152	37123	0.439	ng/ul	99
11) Acenaphthene	14.607	153	26136	0.427	ng/ul	99
12) Fluorene	15.597	166	28478	0.413	ng/ul	98
14) Pentachlorophenol	16.946	266	3890	0.331	ng/ul	98
15) Phenanthrene	17.339	178	44191	0.425	ng/ul	100
16) Anthracene	17.431	178	43920	0.427	ng/ul	100
19) Fluoranthene	19.363	202	51805	0.487	ng/ul	100
20) Pyrene	19.726	202	53696	0.480	ng/ul	99
21) Benzo(a)anthracene	21.482	228	46178	0.432	ng/ul	100
22) Chrysene	21.535	228	48189	0.418	ng/ul	99
24) Benzo(b)fluoranthene	23.163	252	43504	0.447	ng/ul	98
25) Benzo(k)fluoranthene	23.212	252	45879	0.434	ng/ul	96
26) Benzo(a)pyrene	23.785	252	38494	0.426	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.373	276	40060	0.348	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.407	278	31682	0.349	ng/ul	98
29) Benzo(g,h,i)perylene	27.128	276	33372	0.328	ng/ul	99

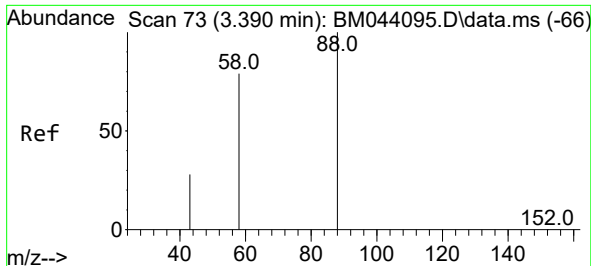
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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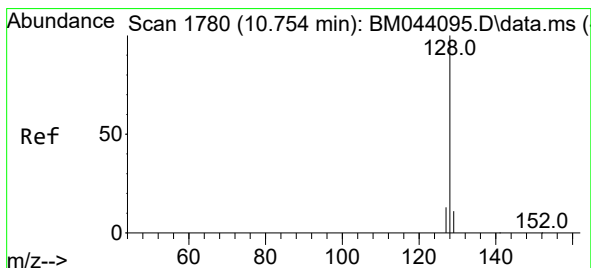
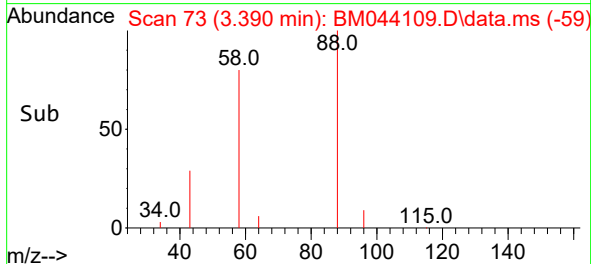
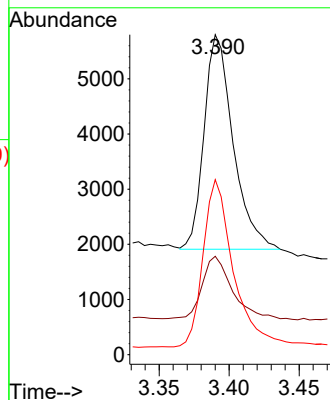
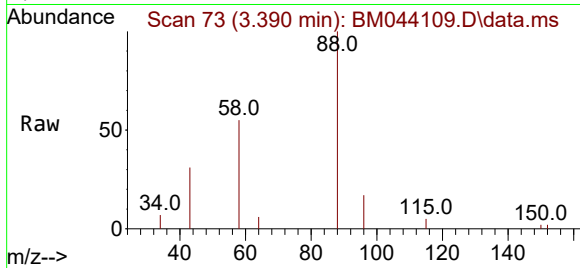




#2
1,4-Dioxane
Concen: 0.415 ng/ul
RT: 3.390 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

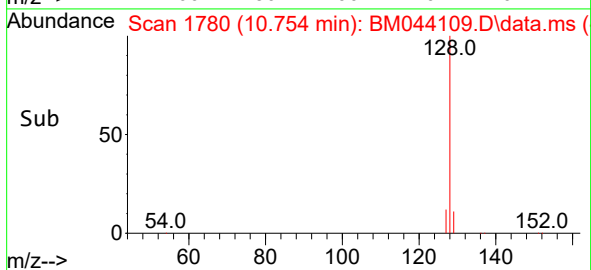
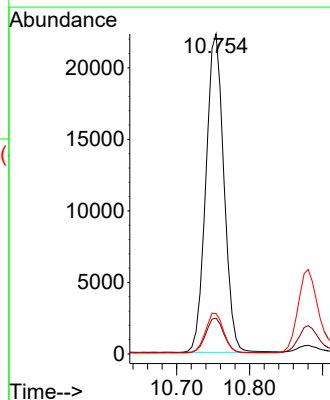
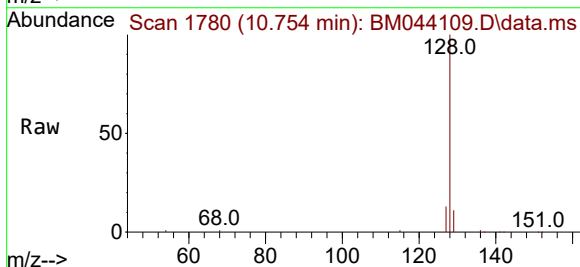
Instrument :
BNA_M
ClientSampleId :
SSTD0.4186

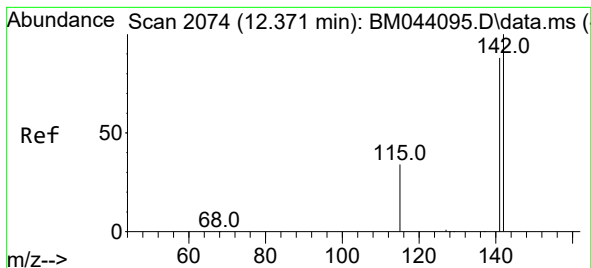
Tgt Ion: 88 Resp: 5625
Ion Ratio Lower Upper
88 100
43 30.7 32.2 48.2#
58 54.7 40.6 60.8



#5
Naphthalene
Concen: 0.427 ng/ul
RT: 10.754 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

Tgt Ion: 128 Resp: 38266
Ion Ratio Lower Upper
128 100
129 11.2 9.5 14.3
127 12.7 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.427 ng/ul

RT: 12.371 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BM044109.D

Acq: 15 Feb 2024 20:22

Instrument :

BNA_M

ClientSampleId :

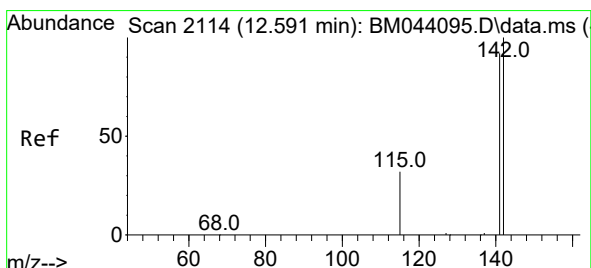
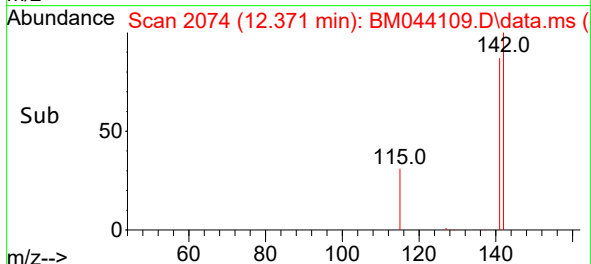
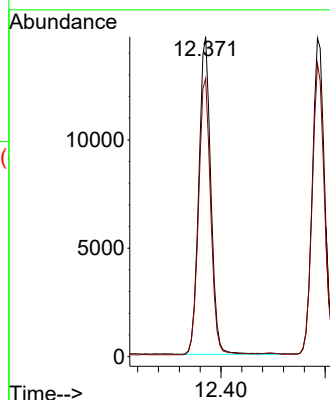
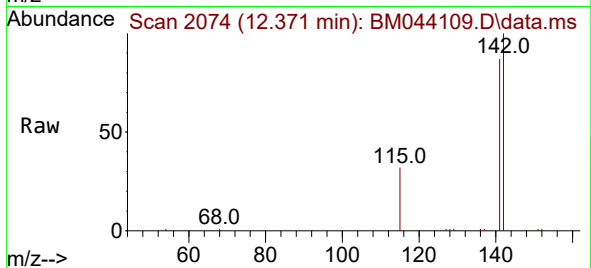
SSTD0.4186

Tgt Ion:142 Resp: 23601

Ion Ratio Lower Upper

142 100

141 88.1 70.0 105.0



#8

1-Methylnaphthalene

Concen: 0.424 ng/ul

RT: 12.585 min Scan# 2113

Delta R.T. -0.005 min

Lab File: BM044109.D

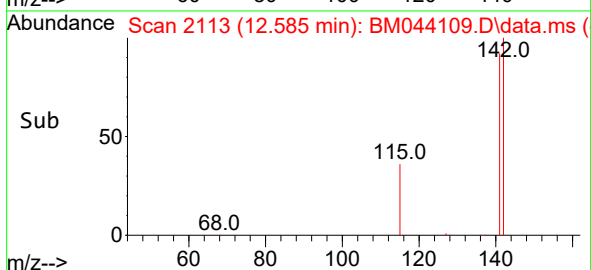
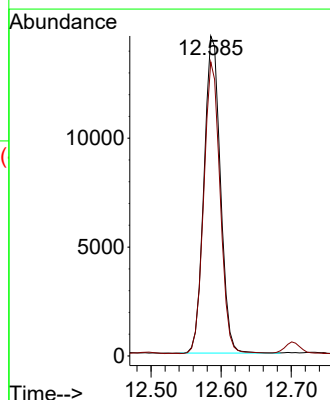
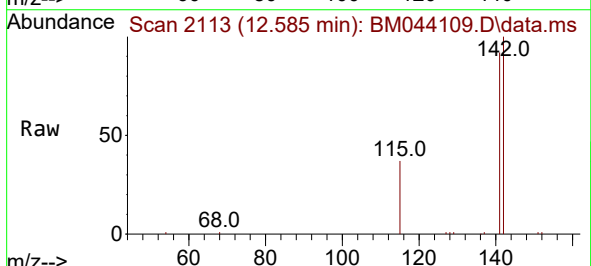
Acq: 15 Feb 2024 20:22

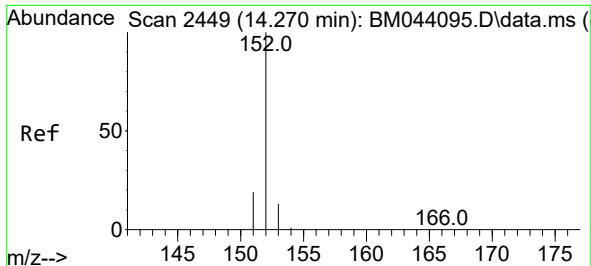
Tgt Ion:142 Resp: 23723

Ion Ratio Lower Upper

142 100

141 91.9 72.5 108.7

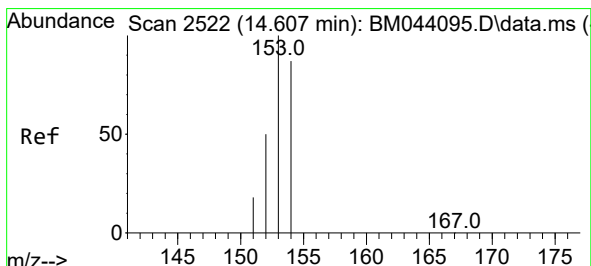
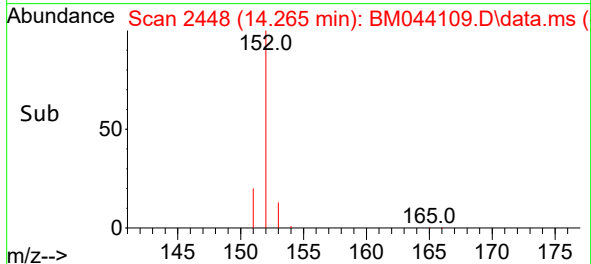
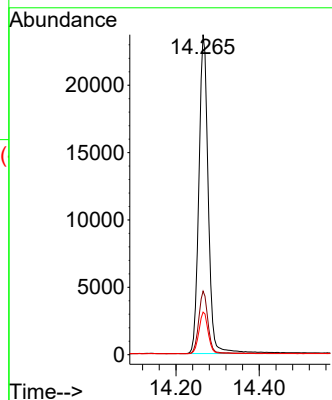
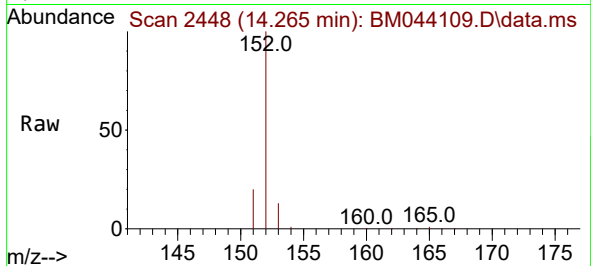




#10
Acenaphthylene
Concen: 0.439 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

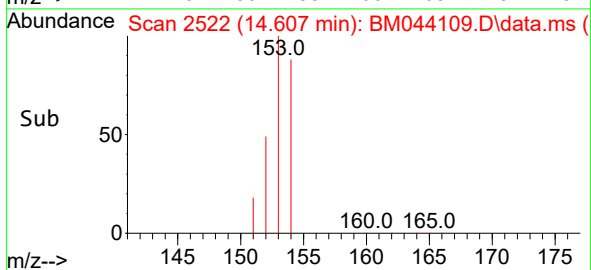
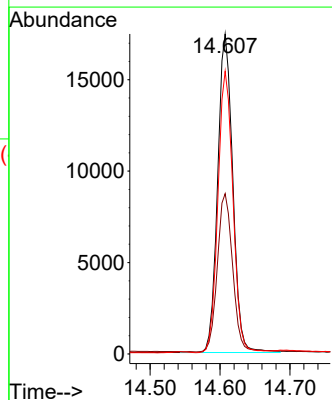
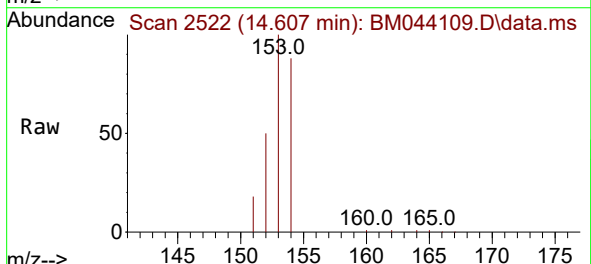
Instrument :
BNA_M
ClientSampleId :
SSTD0.4186

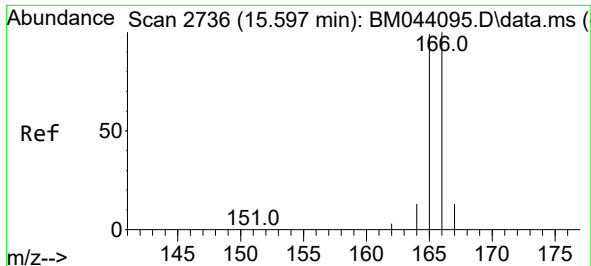
Tgt Ion:152 Resp: 37123
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.3 10.8 16.2



#11
Acenaphthene
Concen: 0.427 ng/ul
RT: 14.607 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

Tgt Ion:153 Resp: 26136
Ion Ratio Lower Upper
153 100
152 50.1 40.6 61.0
154 88.3 70.1 105.1

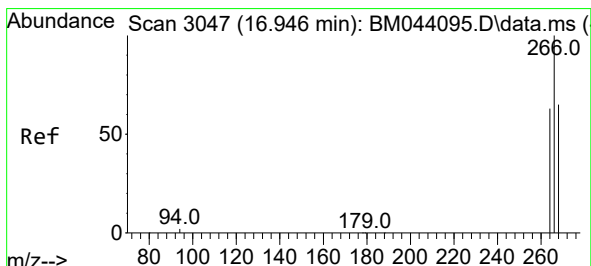
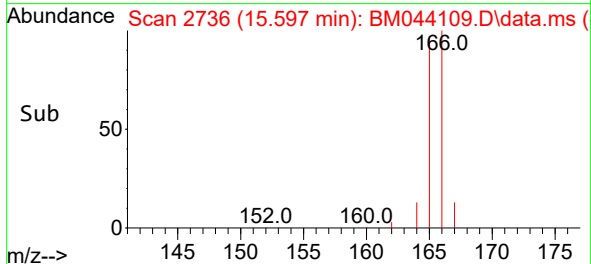
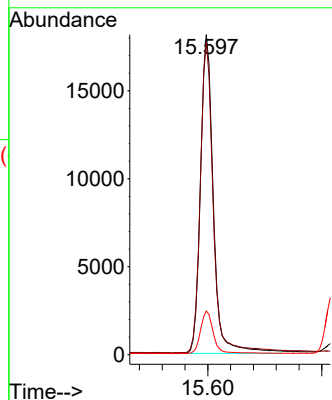
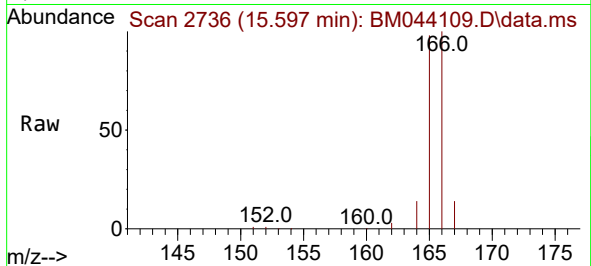




#12
 Fluorene
 Concen: 0.413 ng/ul
 RT: 15.597 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM044109.D
 Acq: 15 Feb 2024 20:22

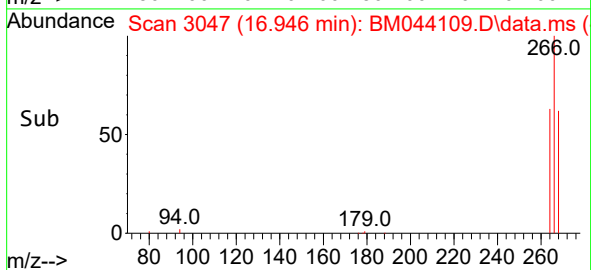
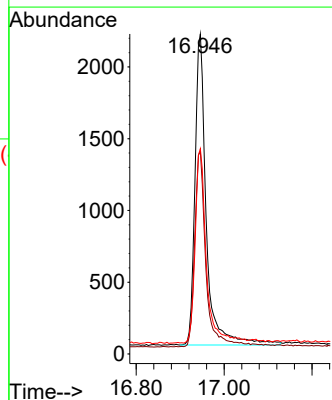
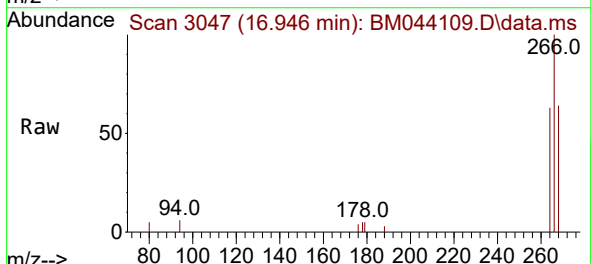
Instrument :
 BNA_M
 ClientSampleId :
 SST0.4186

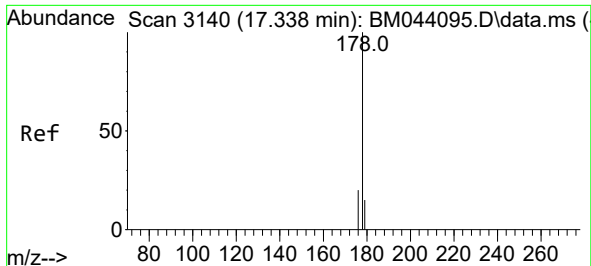
Tgt Ion:166 Resp: 28478
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.8 119.6
 167 13.7 11.1 16.7



#14
 Pentachlorophenol
 Concen: 0.331 ng/ul
 RT: 16.946 min Scan# 3047
 Delta R.T. 0.000 min
 Lab File: BM044109.D
 Acq: 15 Feb 2024 20:22

Tgt Ion:266 Resp: 3890
 Ion Ratio Lower Upper
 266 100
 264 62.6 49.4 74.0
 268 63.0 52.1 78.1

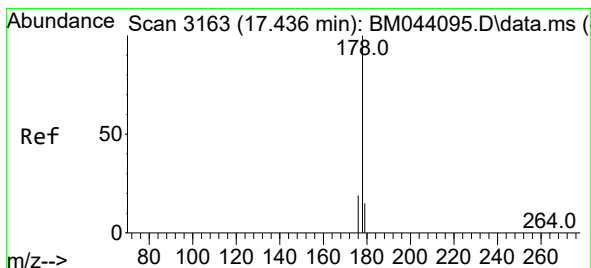
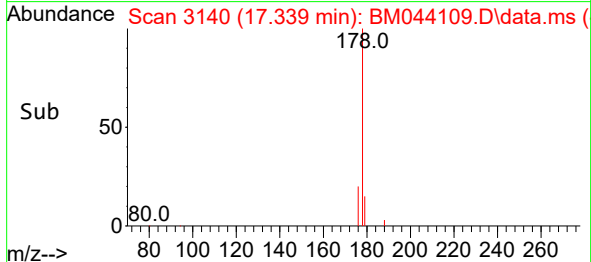
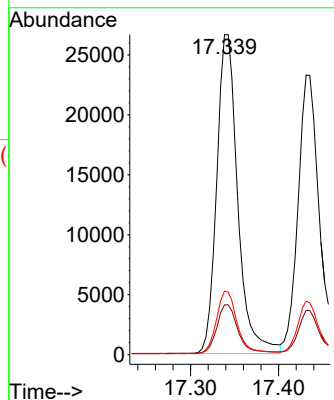
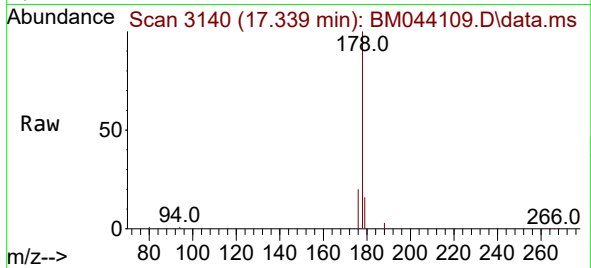




#15
Phenanthrene
Concen: 0.425 ng/ul
RT: 17.339 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

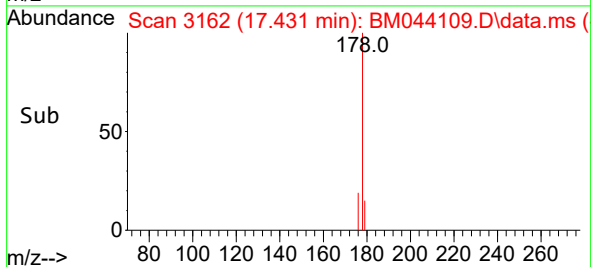
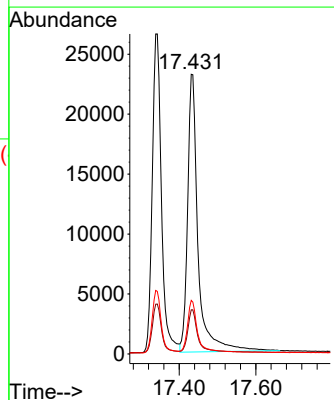
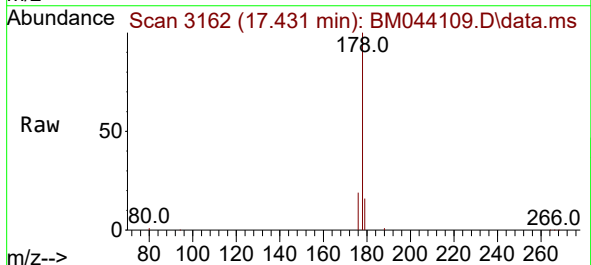
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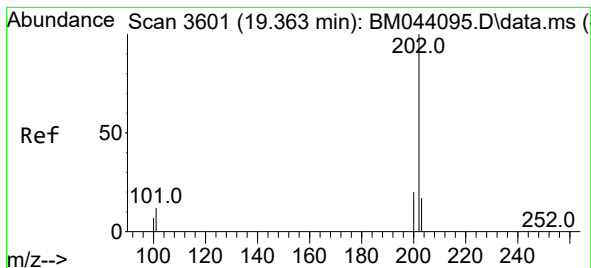
Tgt Ion:178 Resp: 44191
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 19.9 16.0 24.0



#16
Anthracene
Concen: 0.427 ng/ul
RT: 17.431 min Scan# 3162
Delta R.T. -0.004 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

Tgt Ion:178 Resp: 43920
Ion Ratio Lower Upper
178 100
179 15.8 12.8 19.2
176 19.1 15.3 22.9





#19

Fluoranthene

Concen: 0.487 ng/ul

RT: 19.363 min Scan# 3601

Delta R.T. 0.000 min

Lab File: BM044109.D

Acq: 15 Feb 2024 20:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4186

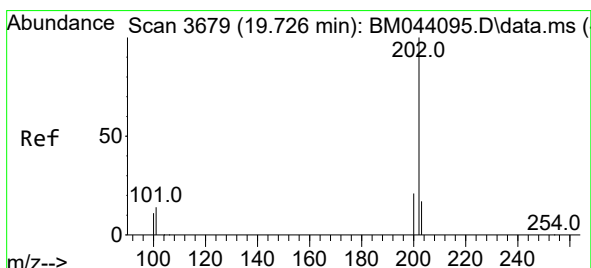
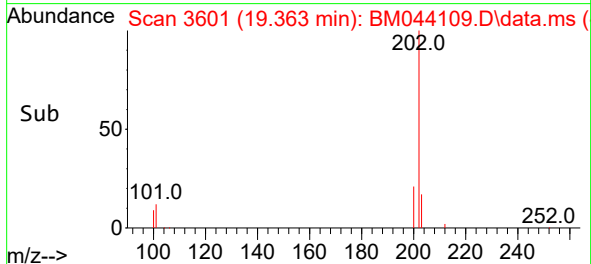
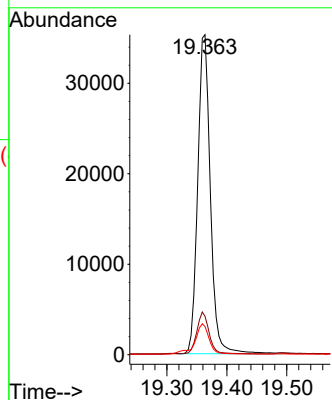
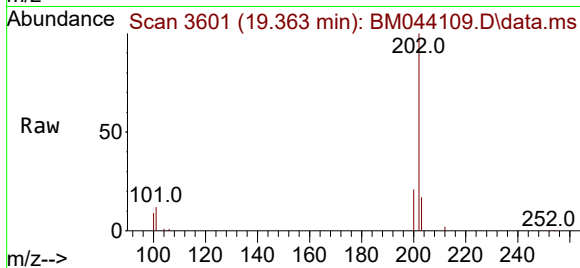
Tgt Ion:202 Resp: 51805

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.6

100 8.8 7.0 10.4



#20

Pyrene

Concen: 0.480 ng/ul

RT: 19.726 min Scan# 3679

Delta R.T. 0.000 min

Lab File: BM044109.D

Acq: 15 Feb 2024 20:22

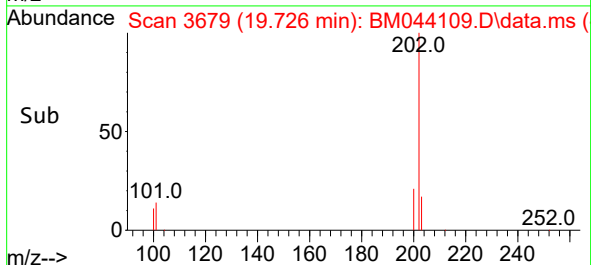
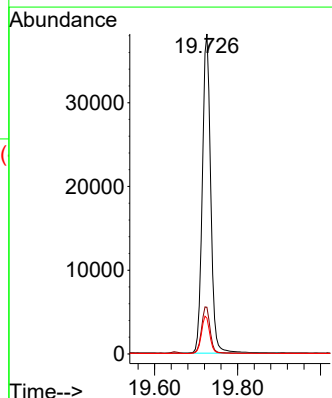
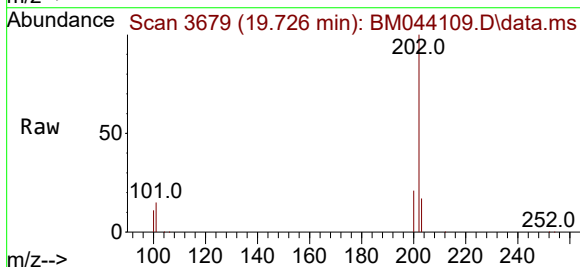
Tgt Ion:202 Resp: 53696

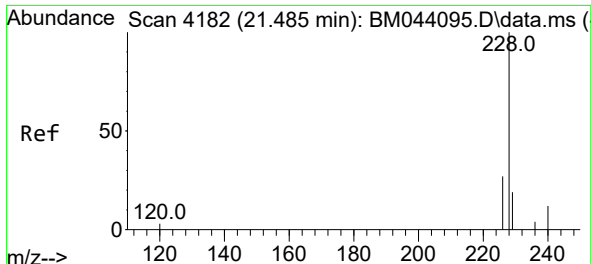
Ion Ratio Lower Upper

202 100

101 14.6 11.2 16.8

100 11.2 8.6 13.0

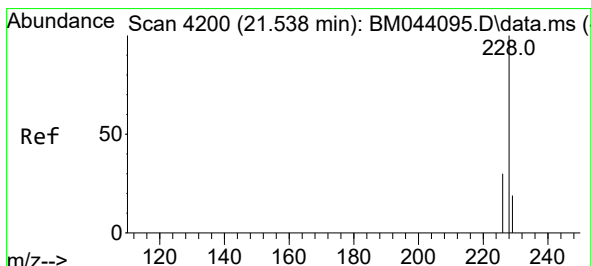
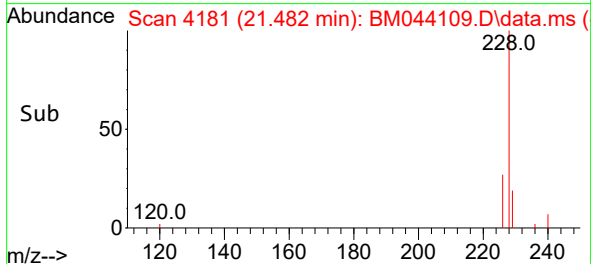
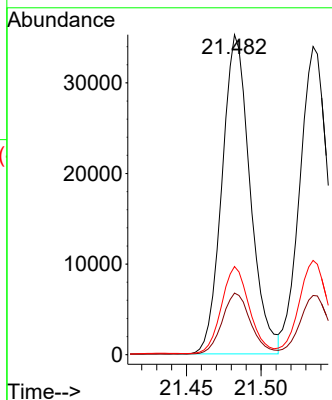
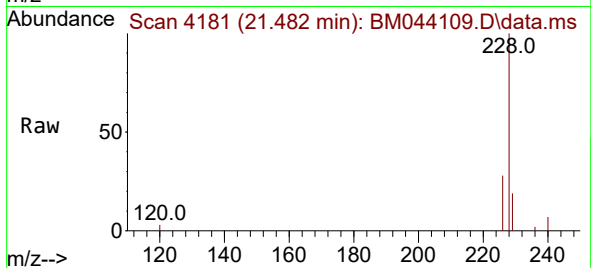




#21
Benzo(a)anthracene
Concen: 0.432 ng/ul
RT: 21.482 min Scan# 4182
Delta R.T. -0.003 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

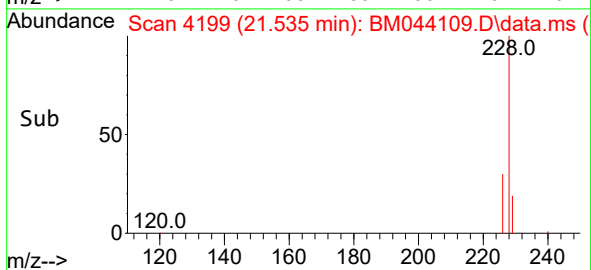
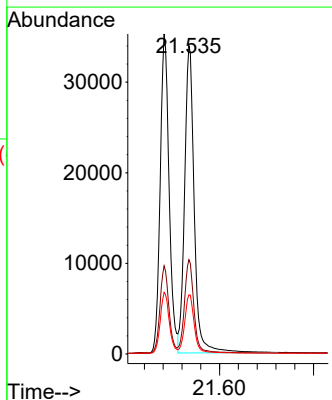
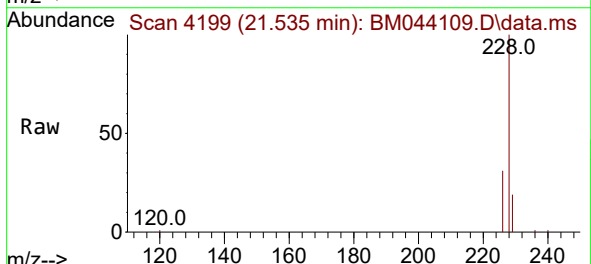
Instrument :
BNA_M
ClientSampleId :
SSTD0.4186

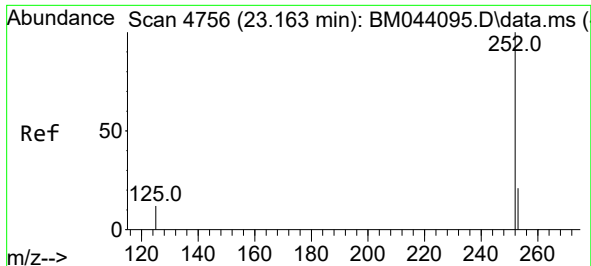
Tgt Ion:228 Resp: 46178
Ion Ratio Lower Upper
228 100
229 19.2 15.4 23.2
226 27.6 22.1 33.1



#22
Chrysene
Concen: 0.418 ng/ul
RT: 21.535 min Scan# 4199
Delta R.T. -0.003 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

Tgt Ion:228 Resp: 48189
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 19.2 15.8 23.6

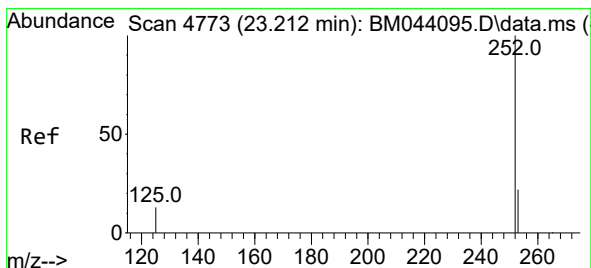
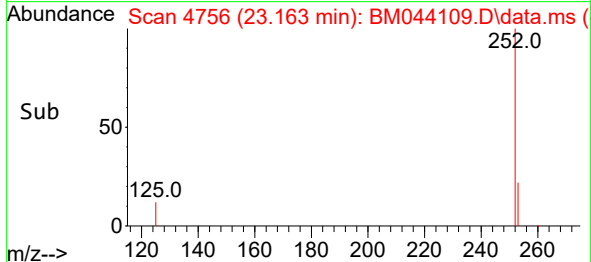
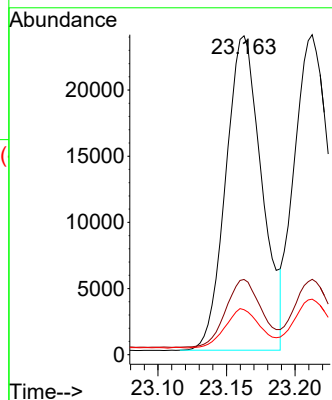
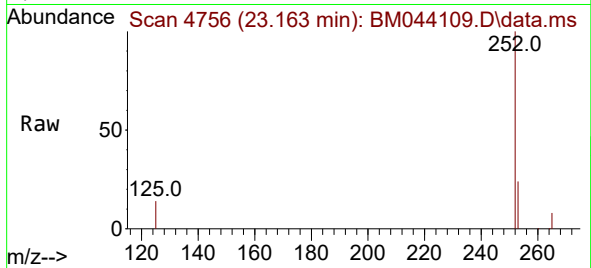




#24
Benzo(b)fluoranthene
Concen: 0.447 ng/ul
RT: 23.163 min Scan# 4756
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

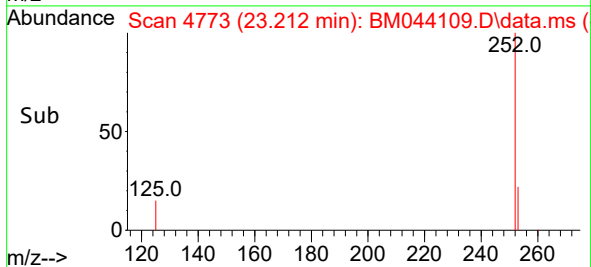
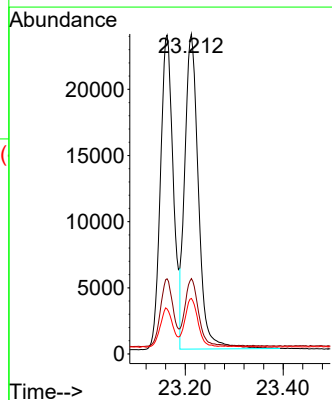
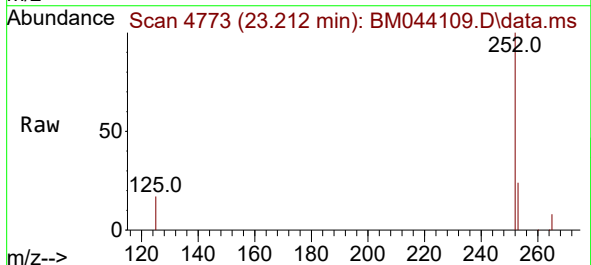
Instrument :
BNA_M
ClientSampleId :
SSTD0.4186

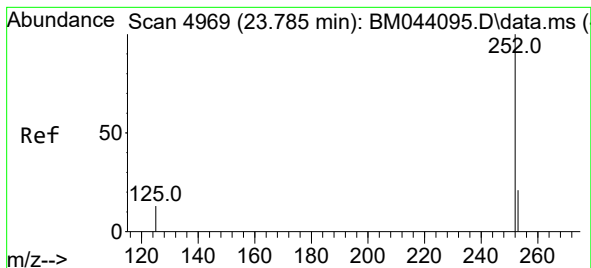
Tgt Ion:252 Resp: 43504
Ion Ratio Lower Upper
252 100
253 23.6 0.0 50.0
125 14.1 0.0 28.2



#25
Benzo(k)fluoranthene
Concen: 0.434 ng/ul
RT: 23.212 min Scan# 4773
Delta R.T. 0.000 min
Lab File: BM044109.D
Acq: 15 Feb 2024 20:22

Tgt Ion:252 Resp: 45879
Ion Ratio Lower Upper
252 100
253 23.5 20.1 30.1
125 17.3 12.3 18.5





#26

Benzo(a)pyrene

Concen: 0.426 ng/ul

RT: 23.785 min Scan# 4969

Delta R.T. 0.000 min

Lab File: BM044109.D

Acq: 15 Feb 2024 20:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4186

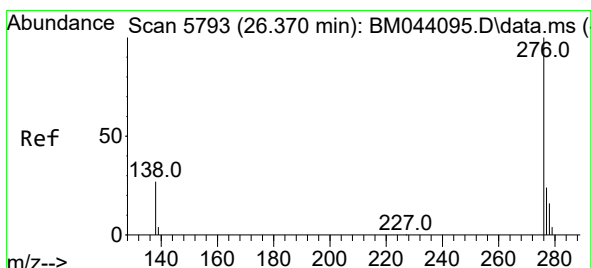
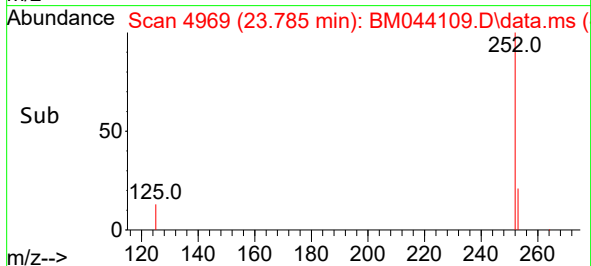
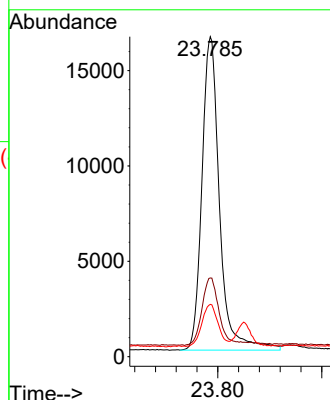
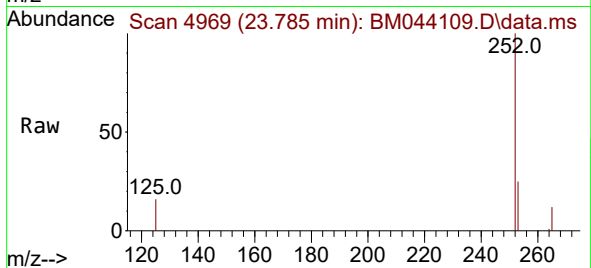
Tgt Ion:252 Resp: 38494

Ion Ratio Lower Upper

252 100

253 24.6 21.4 32.2

125 16.4 13.3 19.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.348 ng/ul

RT: 26.373 min Scan# 5794

Delta R.T. 0.003 min

Lab File: BM044109.D

Acq: 15 Feb 2024 20:22

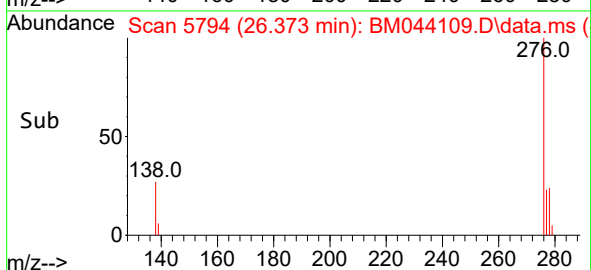
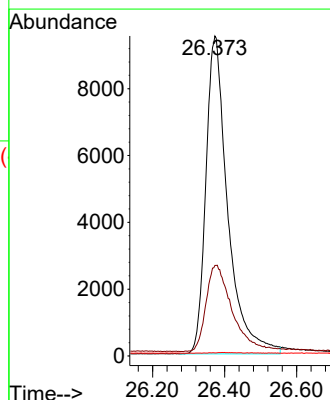
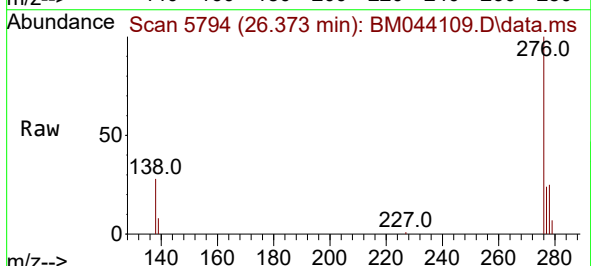
Tgt Ion:276 Resp: 40060

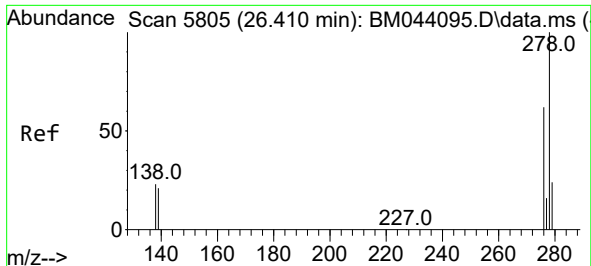
Ion Ratio Lower Upper

276 100

138 32.7 25.2 37.8

227 0.0 0.1 0.1#

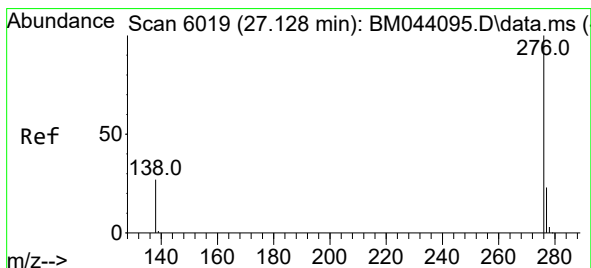
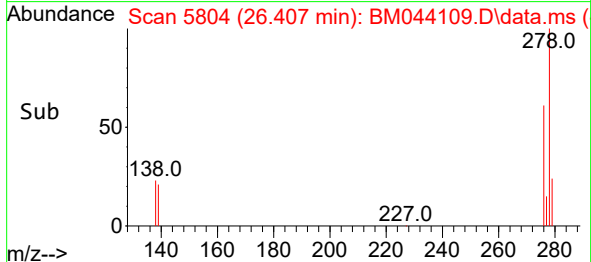
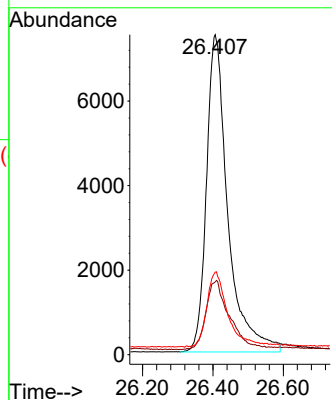
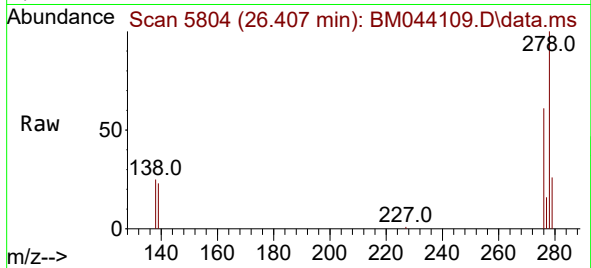




#28
 Dibenzo(a,h)anthracene
 Concen: 0.349 ng/ul
 RT: 26.407 min Scan# 5804
 Delta R.T. -0.003 min
 Lab File: BM044109.D
 Acq: 15 Feb 2024 20:22

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4186

Tgt Ion:278 Resp: 31682
 Ion Ratio Lower Upper
 278 100
 139 22.7 17.8 26.8
 279 25.8 21.8 32.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.328 ng/ul
 RT: 27.128 min Scan# 6019
 Delta R.T. 0.000 min
 Lab File: BM044109.D
 Acq: 15 Feb 2024 20:22

Tgt Ion:276 Resp: 33372
 Ion Ratio Lower Upper
 276 100
 138 29.1 22.7 34.1
 277 24.1 19.0 28.6

