

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012125\
 Data File : BM049359.D
 Acq On : 21 Jan 2025 10:36
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

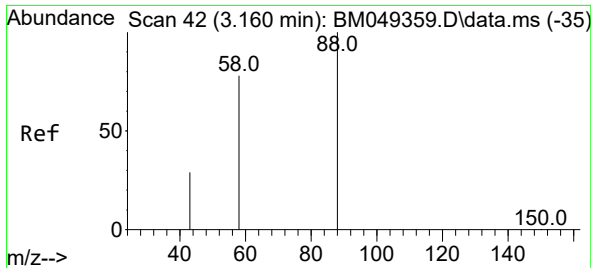
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4137

Quant Time: Jan 21 22:48:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 17 15:40:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.531	152	5252	0.400	ng/ul	0.00
4) Naphthalene-d8	10.293	136	15031	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.169	164	8163	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.926	188	14658	0.400	ng/ul	0.00
17) Chrysene-d12	21.125	240	8923	0.400	ng/ul	0.00
23) Perylene-d12	23.273	264	9271	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.126	96	2492	0.408	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.893	152	8054	0.421	ng/ul	0.00
18) Fluoranthene-d10	18.956	212	13377	0.439	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.160	88	3006	0.437	ng/ul#	91
5) Naphthalene	10.343	128	14975	0.406	ng/ul	99
7) 2-Methylnaphthalene	11.970	142	8807	0.402	ng/ul	99
8) 1-Methylnaphthalene	12.185	142	9494	0.408	ng/ul	98
10) Acenaphthylene	13.887	152	12656	0.418	ng/ul	99
11) Acenaphthene	14.229	153	9576	0.399	ng/ul	99
12) Fluorene	15.233	166	10020	0.403	ng/ul	100
14) Pentachlorophenol	16.588	266	996	0.352	ng/ul	95
15) Phenanthrene	16.964	178	13682	0.403	ng/ul	100
16) Anthracene	17.065	178	11441	0.380	ng/ul	99
19) Fluoranthene	18.988	202	16476	0.428	ng/ul	99
20) Pyrene	19.351	202	16770	0.423	ng/ul	99
21) Benzo(a)anthracene	21.114	228	9263	0.362	ng/ul	99
22) Chrysene	21.160	228	14458	0.412	ng/ul	100
24) Benzo(b)fluoranthene	22.639	252	11965	0.393	ng/ul	97
25) Benzo(k)fluoranthene	22.680	252	14264	0.402	ng/ul	98
26) Benzo(a)pyrene	23.189	252	9825	0.357	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.407	276	12806	0.343	ng/ul	100
28) Dibenzo(a,h)anthracene	25.433	278	8334	0.309	ng/ul	96
29) Benzo(g,h,i)perylene	26.037	276	12856	0.388	ng/ul	99

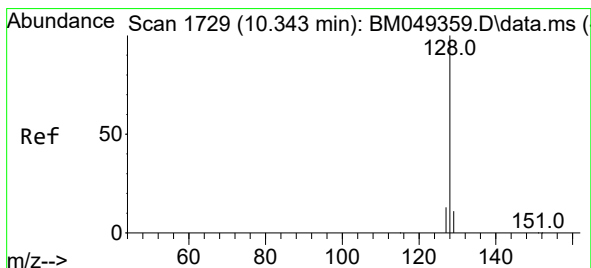
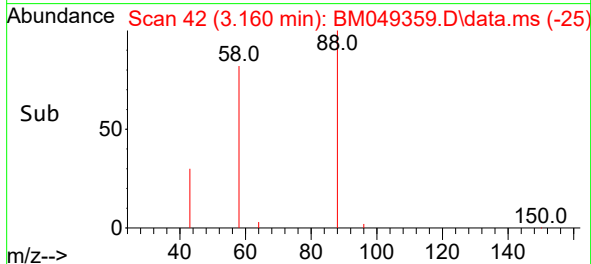
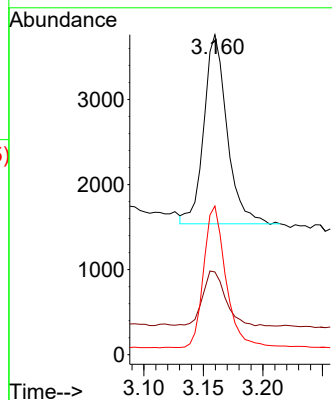
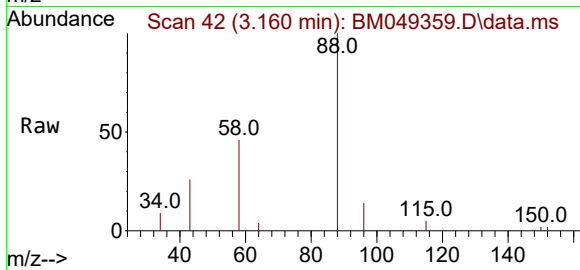
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.437 ng/ul
RT: 3.160 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

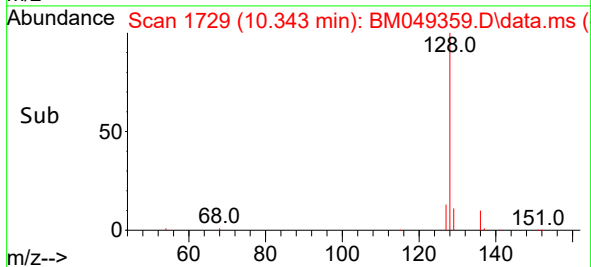
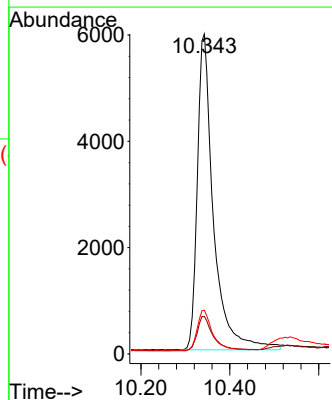
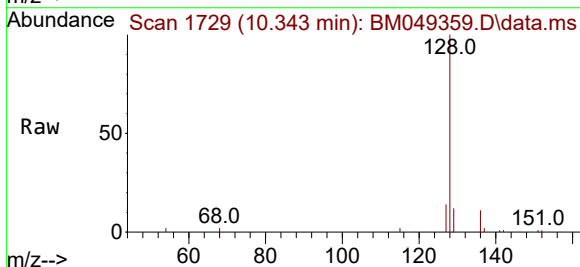
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

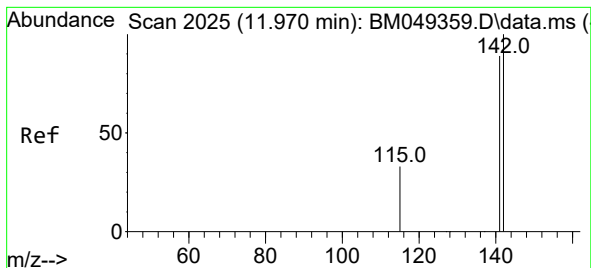
Tgt Ion: 88 Resp: 3006
Ion Ratio Lower Upper
88 100
43 25.8 26.2 39.2#
58 46.4 41.4 62.0



#5
Naphthalene
Concen: 0.406 ng/ul
RT: 10.343 min Scan# 1729
Delta R.T. 0.001 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion: 128 Resp: 14975
Ion Ratio Lower Upper
128 100
129 11.7 9.7 14.5
127 13.7 10.7 16.1

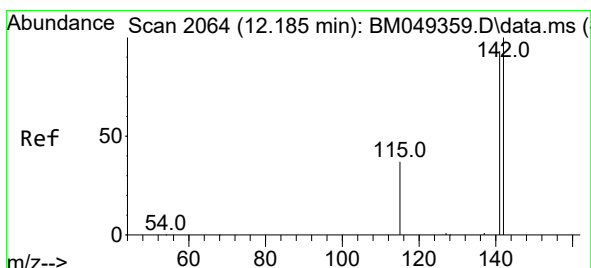
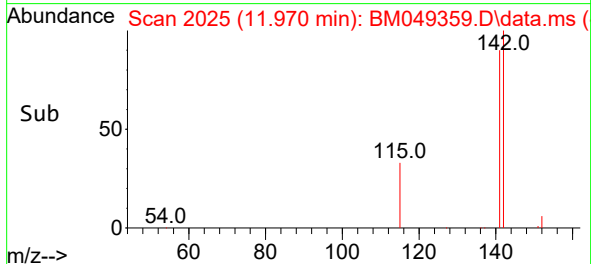
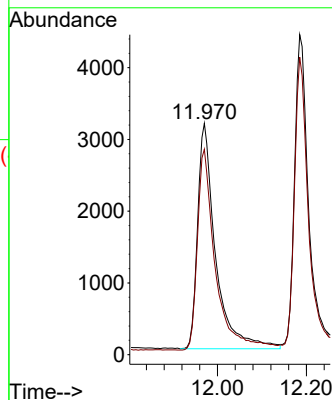
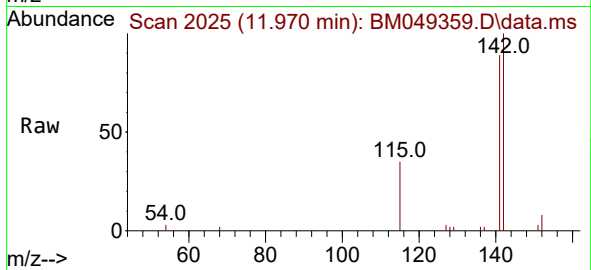




#7
2-Methylnaphthalene
Concen: 0.402 ng/ul
RT: 11.970 min Scan# 2025
Delta R.T. 0.001 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

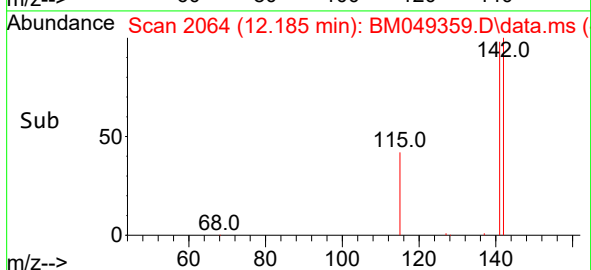
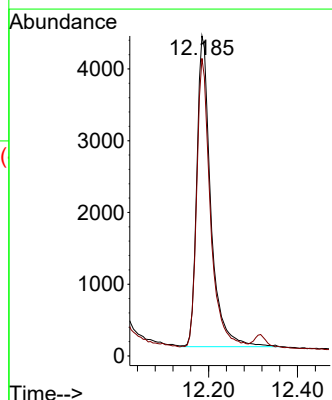
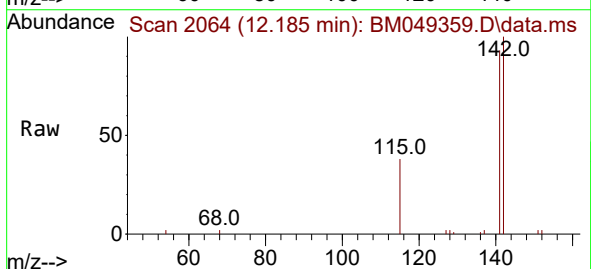
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

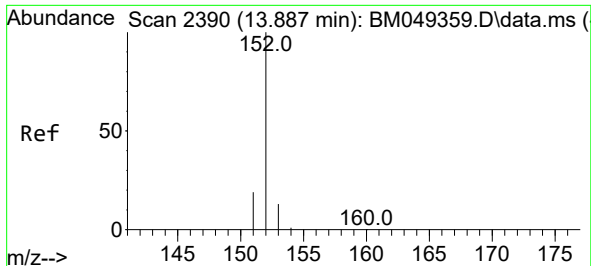
Tgt Ion:142 Resp: 8807
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.0



#8
1-Methylnaphthalene
Concen: 0.408 ng/ul
RT: 12.185 min Scan# 2064
Delta R.T. -0.004 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:142 Resp: 9494
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9

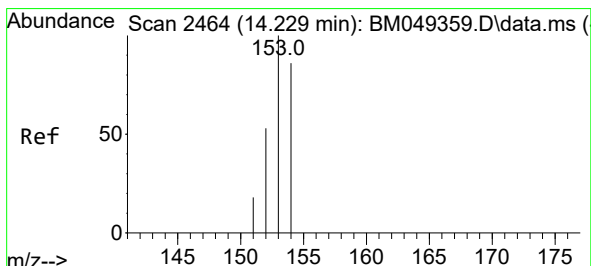
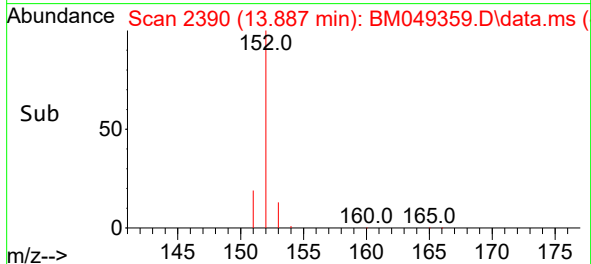
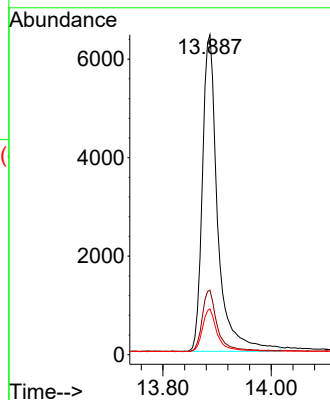
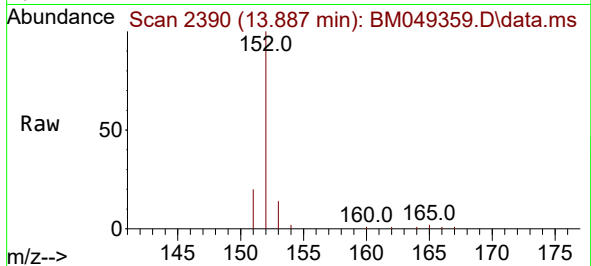




#10
Acenaphthylene
Concen: 0.418 ng/ul
RT: 13.887 min Scan# 2390
Delta R.T. 0.001 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

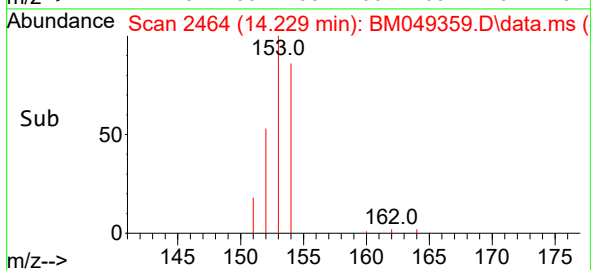
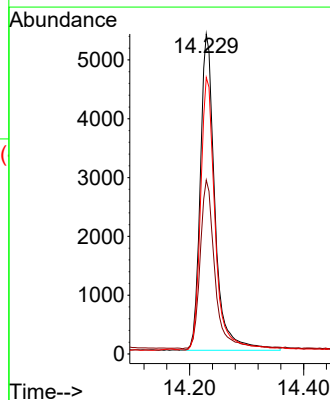
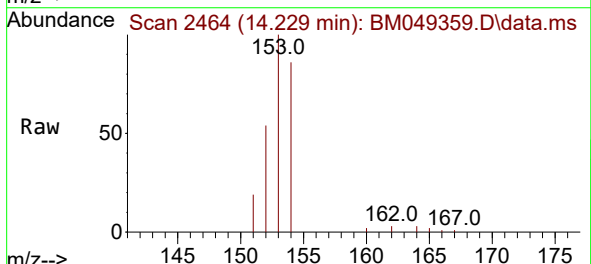
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

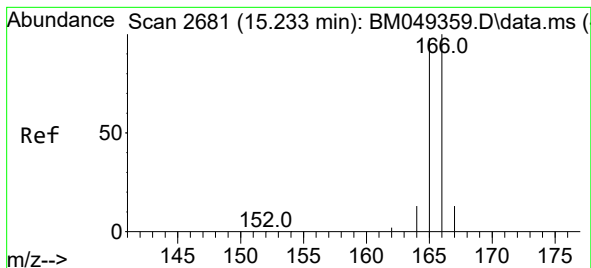
Tgt Ion:152 Resp: 12656
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 14.3 11.1 16.7



#11
Acenaphthene
Concen: 0.399 ng/ul
RT: 14.229 min Scan# 2464
Delta R.T. -0.003 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:153 Resp: 9576
Ion Ratio Lower Upper
153 100
152 54.3 42.3 63.5
154 86.4 69.3 103.9





#12

Fluorene

Concen: 0.403 ng/ul

RT: 15.233 min Scan# 2

Delta R.T. 0.001 min

Lab File: BM049359.D

Acq: 21 Jan 2025 10:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.4137

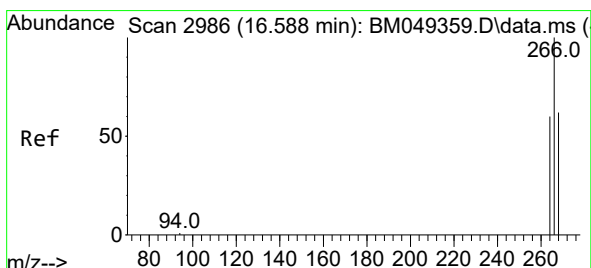
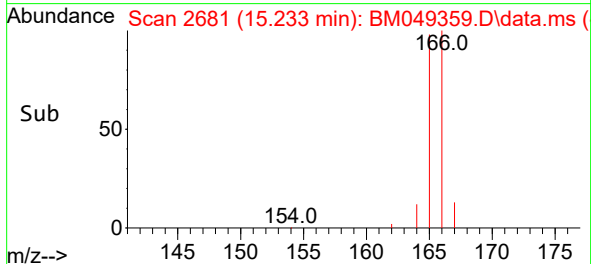
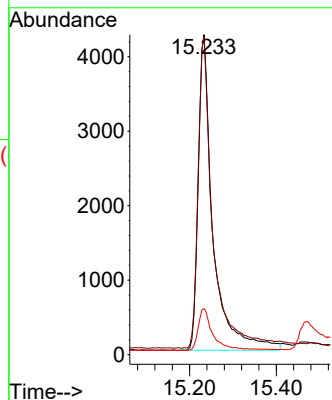
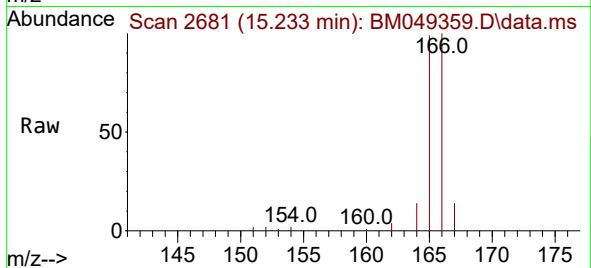
Tgt Ion:166 Resp: 10020

Ion Ratio Lower Upper

166 100

165 99.1 79.2 118.8

167 14.4 11.2 16.8



#14

Pentachlorophenol

Concen: 0.352 ng/ul

RT: 16.588 min Scan# 2986

Delta R.T. 0.001 min

Lab File: BM049359.D

Acq: 21 Jan 2025 10:36

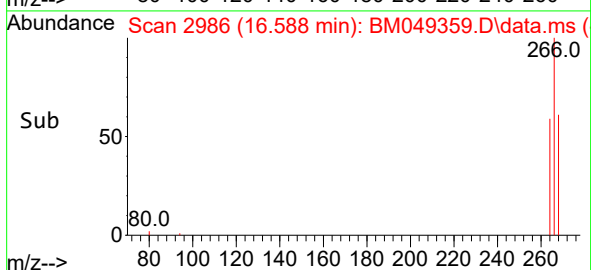
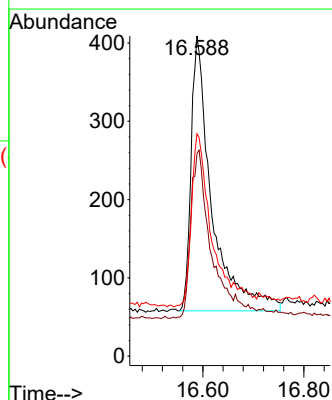
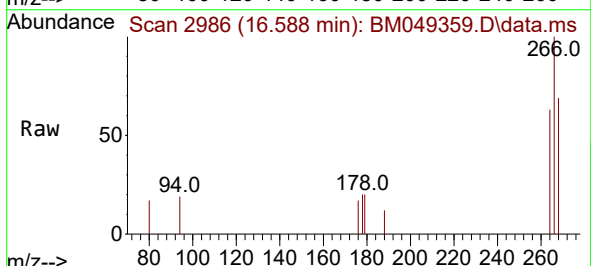
Tgt Ion:266 Resp: 996

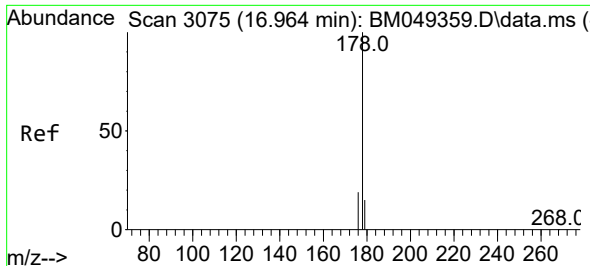
Ion Ratio Lower Upper

266 100

264 65.7 49.2 73.8

268 63.3 53.2 79.8

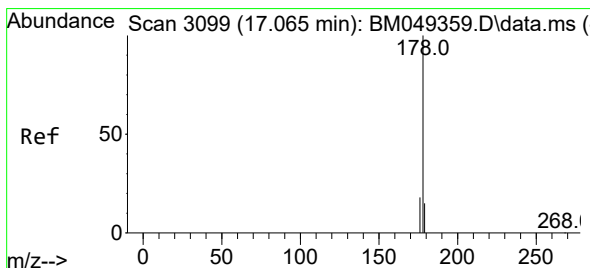
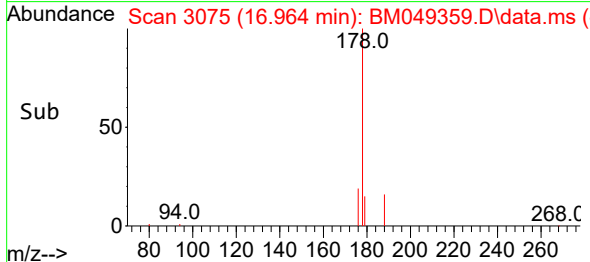
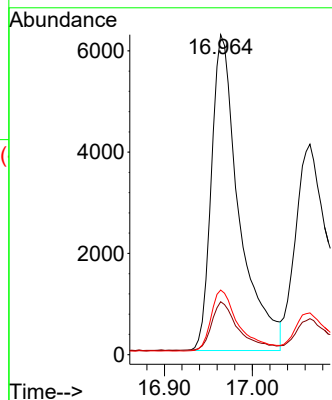
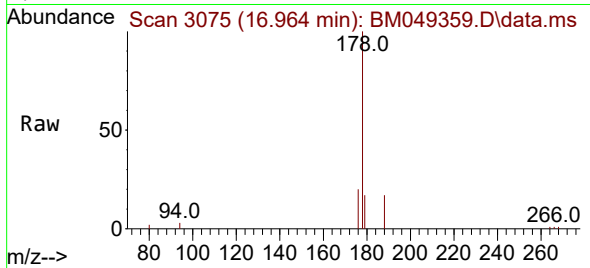




#15
Phenanthrene
Concen: 0.403 ng/ul
RT: 16.964 min Scan# 3075
Delta R.T. -0.003 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

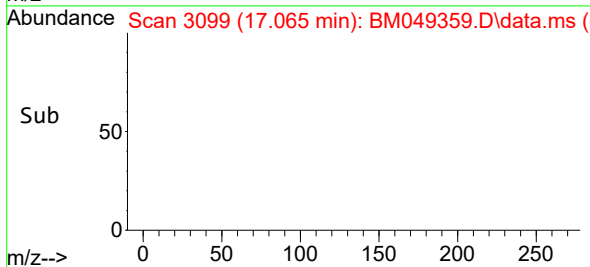
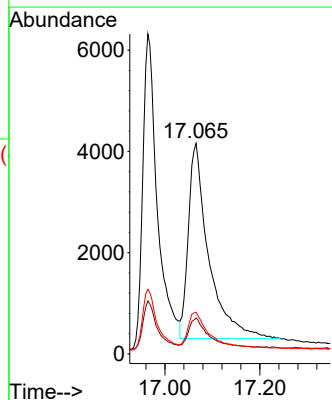
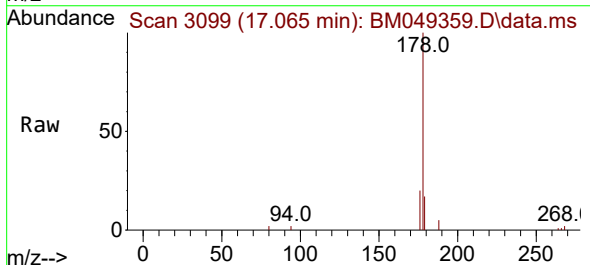
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

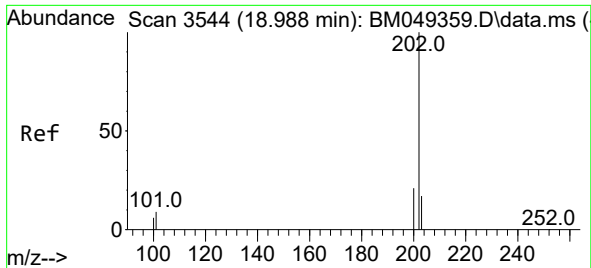
Tgt Ion:178 Resp: 13682
Ion Ratio Lower Upper
178 100
179 16.5 13.2 19.8
176 20.2 16.1 24.1



#16
Anthracene
Concen: 0.380 ng/ul
RT: 17.065 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:178 Resp: 11441
Ion Ratio Lower Upper
178 100
179 17.1 13.4 20.0
176 19.8 16.2 24.2

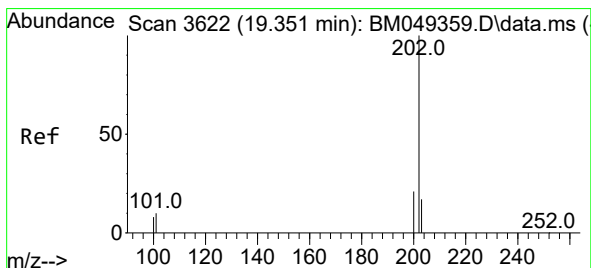
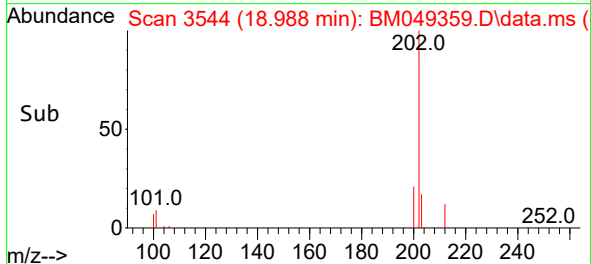
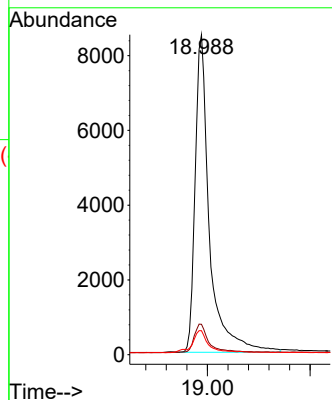
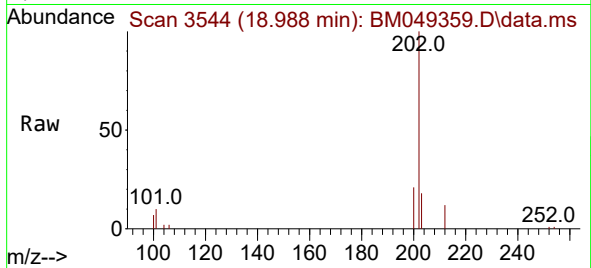




#19
Fluoranthene
Concen: 0.428 ng/ul
RT: 18.988 min Scan# 3544
Delta R.T. 0.001 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

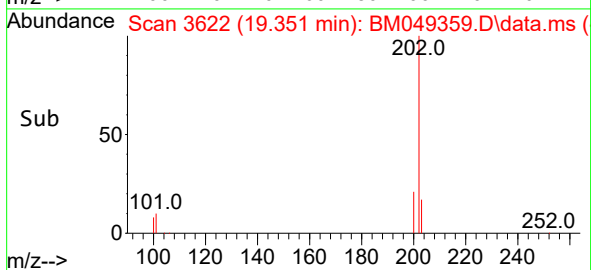
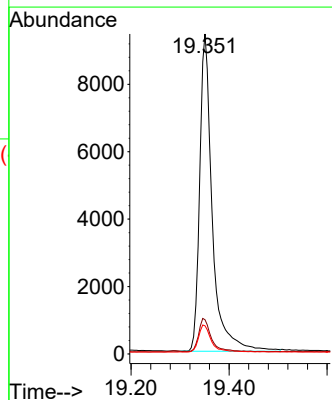
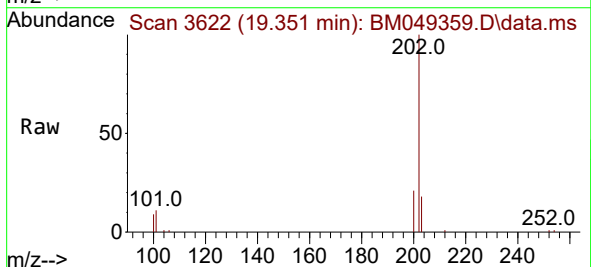
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

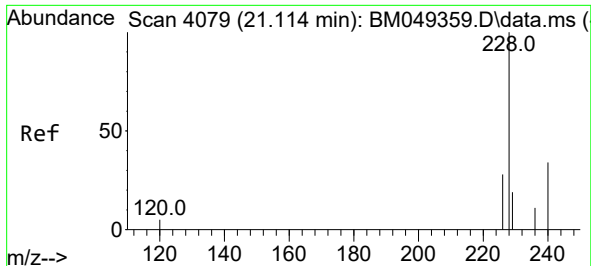
Tgt Ion:202 Resp: 16476
Ion Ratio Lower Upper
202 100
101 9.5 7.9 11.9
100 7.5 6.0 9.0



#20
Pyrene
Concen: 0.423 ng/ul
RT: 19.351 min Scan# 3622
Delta R.T. 0.001 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:202 Resp: 16770
Ion Ratio Lower Upper
202 100
101 10.7 8.8 13.2
100 8.8 7.1 10.7

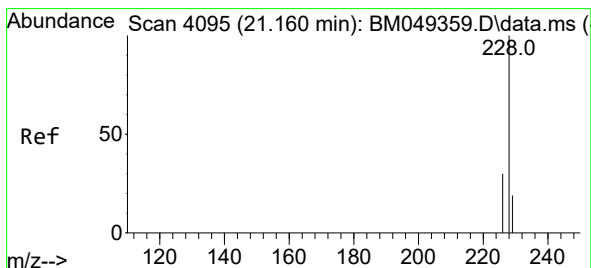
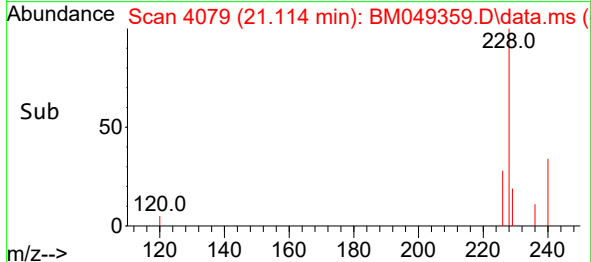
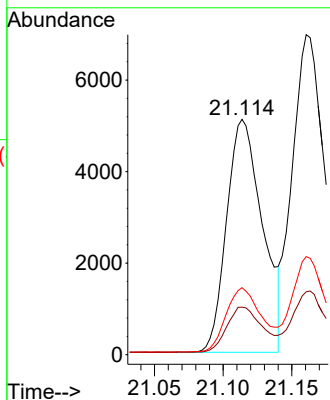
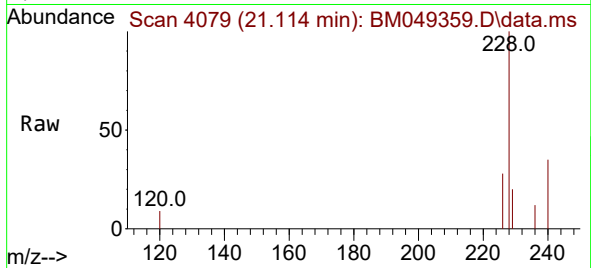




#21
Benzo(a)anthracene
Concen: 0.362 ng/ul
RT: 21.114 min Scan# 4079
Delta R.T. -0.000 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

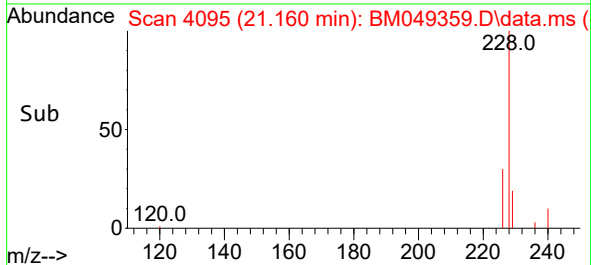
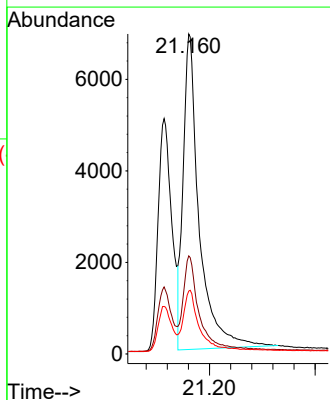
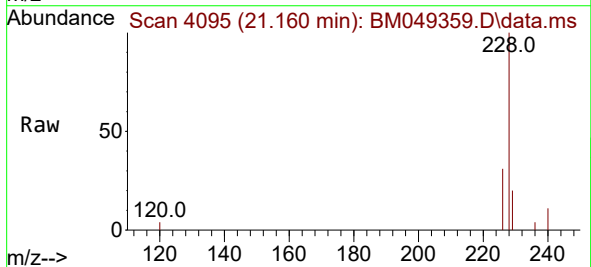
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

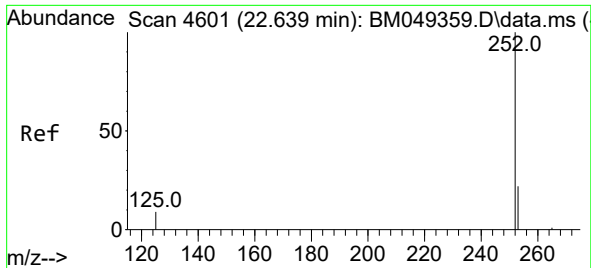
Tgt Ion:228 Resp: 9263
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 28.5 22.5 33.7



#22
Chrysene
Concen: 0.412 ng/ul
RT: 21.160 min Scan# 4095
Delta R.T. -0.000 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:228 Resp: 14458
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 19.7 15.9 23.9

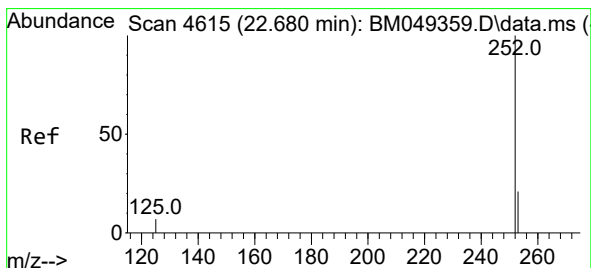
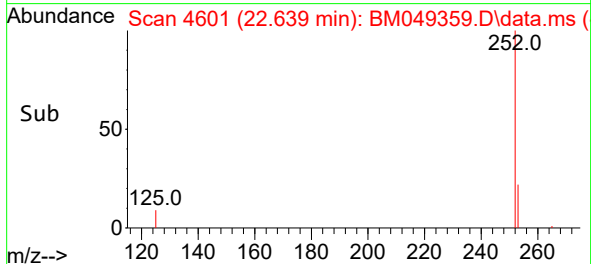
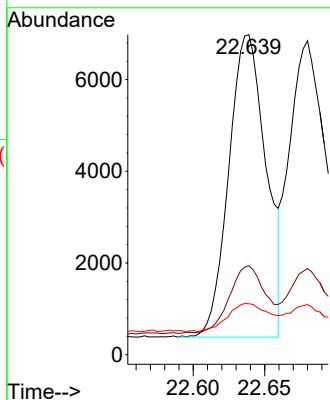
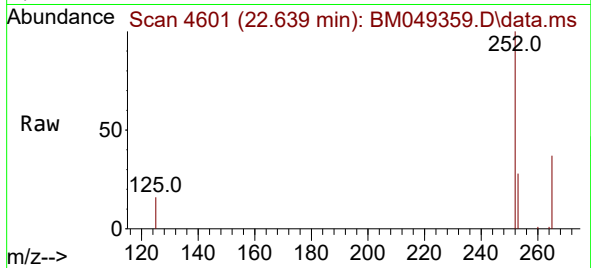




#24
Benzo(b)fluoranthene
Concen: 0.393 ng/ul
RT: 22.639 min Scan# 4601
Delta R.T. 0.002 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

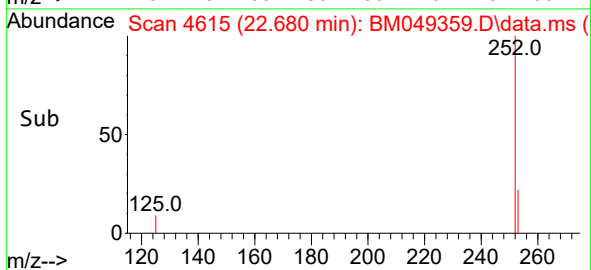
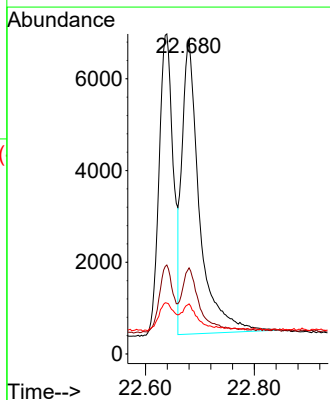
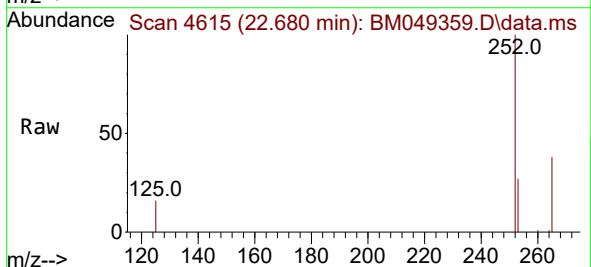
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

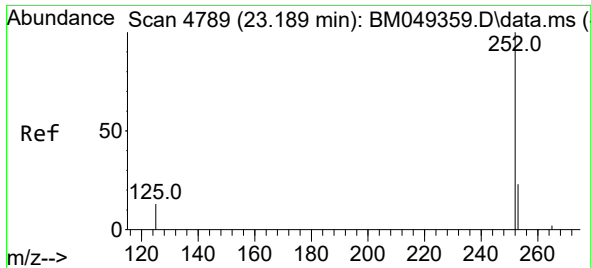
Tgt Ion:252 Resp: 11965
Ion Ratio Lower Upper
252 100
253 27.8 0.0 53.0
125 15.9 0.0 29.4



#25
Benzo(k)fluoranthene
Concen: 0.402 ng/ul
RT: 22.680 min Scan# 4615
Delta R.T. -0.000 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:252 Resp: 14264
Ion Ratio Lower Upper
252 100
253 27.4 21.6 32.4
125 16.0 11.8 17.6

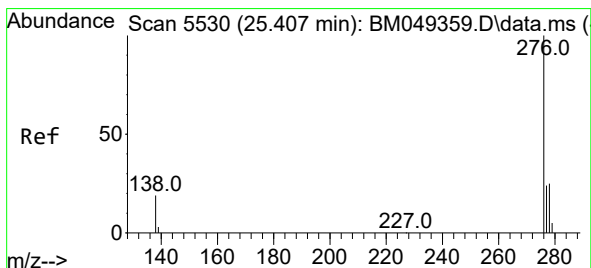
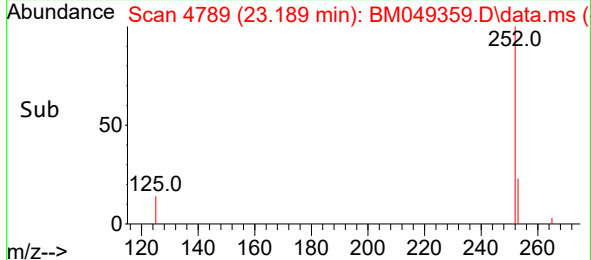
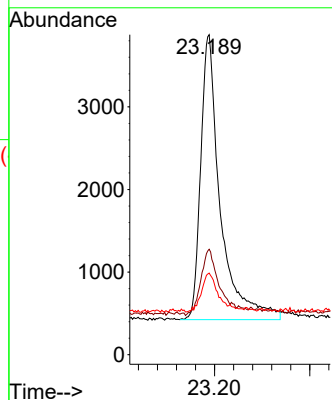
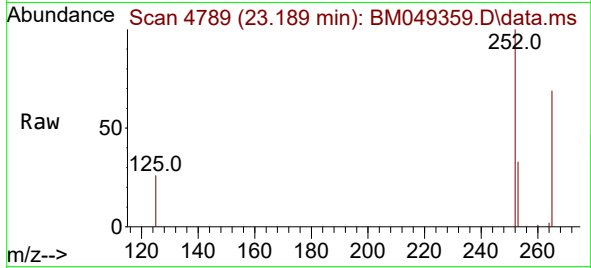




#26
Benzo(a)pyrene
Concen: 0.357 ng/ul
RT: 23.189 min Scan# 4789
Delta R.T. 0.002 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

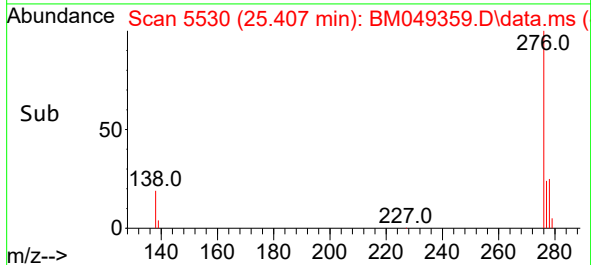
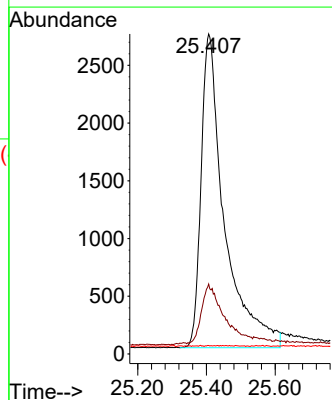
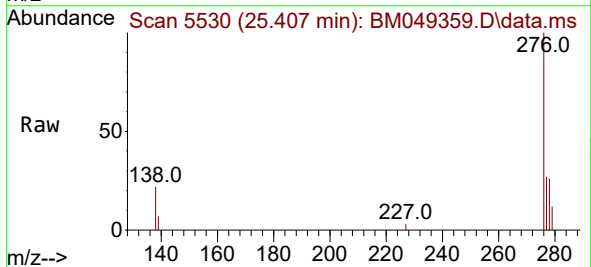
Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

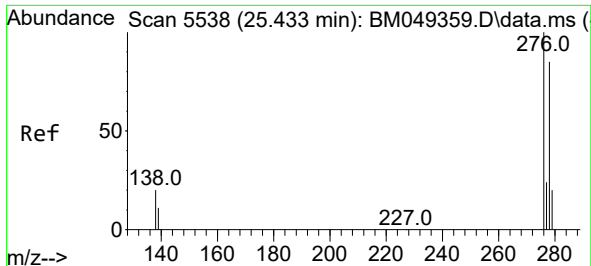
Tgt Ion:252 Resp: 9825
Ion Ratio Lower Upper
252 100
253 32.9 24.8 37.2
125 25.5 16.1 24.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.343 ng/ul
RT: 25.407 min Scan# 5530
Delta R.T. -0.004 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:276 Resp: 12806
Ion Ratio Lower Upper
276 100
138 19.2 15.4 23.0
227 0.1 0.1 0.1

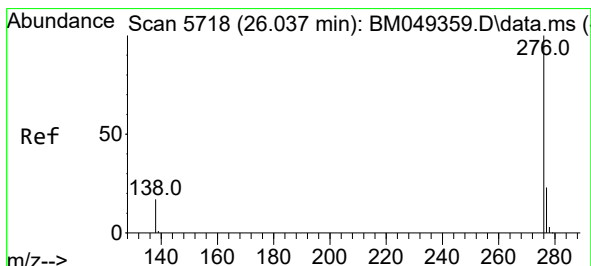
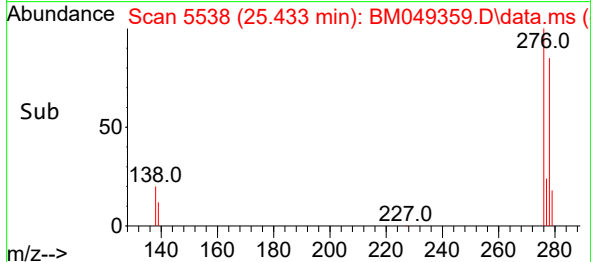
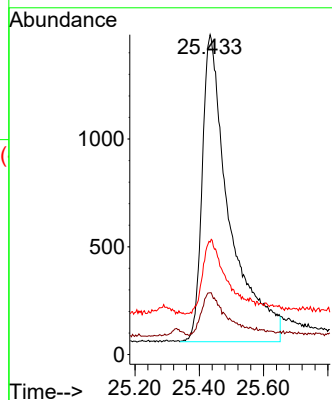
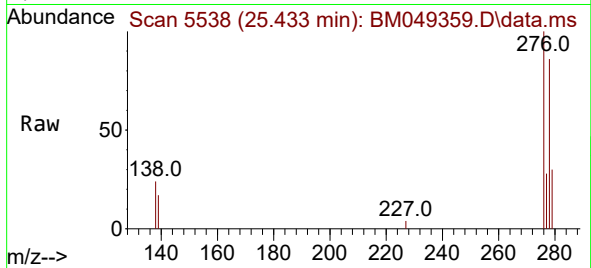




#28
Dibenzo(a,h)anthracene
Concen: 0.309 ng/ul
RT: 25.433 min Scan# 51
Delta R.T. 0.006 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.4137

Tgt Ion:278 Resp: 8334
Ion Ratio Lower Upper
278 100
139 19.3 13.3 19.9
279 35.1 27.0 40.4



#29
Benzo(g,h,i)perylene
Concen: 0.388 ng/ul
RT: 26.037 min Scan# 5718
Delta R.T. -0.011 min
Lab File: BM049359.D
Acq: 21 Jan 2025 10:36

Tgt Ion:276 Resp: 12856
Ion Ratio Lower Upper
276 100
138 19.6 15.2 22.8
277 25.1 20.2 30.2

