

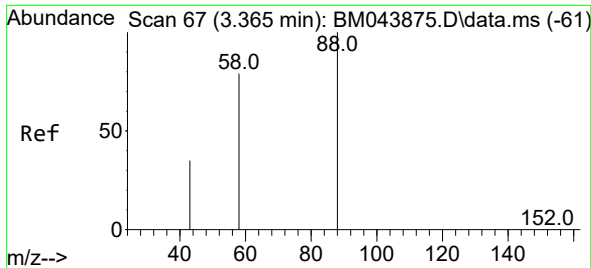
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011924\
 Data File : BM043872.D
 Acq On : 19 Jan 2024 12:22
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4180

Quant Time: Jan 19 22:38:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:34:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	6032	0.400	ng/ul	0.03
4) Naphthalene-d8	10.779	136	16643	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.601	164	8130	0.400	ng/ul	0.02
13) Phenanthrene-d10	17.363	188	15896	0.400	ng/ul	0.01
17) Chrysene-d12	21.551	240	9436	0.400	ng/ul	0.02
23) Perylene-d12	23.983	264	10719	0.400	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.360	96	3022	0.414	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.379	152	7768	0.323	ng/ul	0.01
18) Fluoranthene-d10	19.385	212	11689	0.383	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.393	88	3116	0.402	ng/ul	89
5) Naphthalene	10.829	128	17101	0.358	ng/ul	99
7) 2-Methylnaphthalene	12.451	142	10205	0.325	ng/ul	100
8) 1-Methylnaphthalene	12.660	142	10286	0.323	ng/ul	100
10) Acenaphthylene	14.328	152	15766	0.362	ng/ul	99
11) Acenaphthene	14.666	153	11677	0.369	ng/ul	99
12) Fluorene	15.665	166	12398	0.342	ng/ul	100
14) Pentachlorophenol	17.080	266	879	0.174	ng/ul	93
15) Phenanthrene	17.405	178	17839	0.353	ng/ul	99
16) Anthracene	17.506	178	16915	0.352	ng/ul	99
19) Fluoranthene	19.417	202	18974	0.406	ng/ul	99
20) Pyrene	19.780	202	19569	0.402	ng/ul	100
21) Benzo(a)anthracene	21.539	228	13253	0.324	ng/ul	99
22) Chrysene	21.589	228	17570	0.398	ng/ul	99
24) Benzo(b)fluoranthene	23.240	252	14465	0.331	ng/ul	98
25) Benzo(k)fluoranthene	23.290	252	17713	0.368	ng/ul	100
26) Benzo(a)pyrene	23.880	252	14535	0.355	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.525	276	18559	0.358	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.552	278	14455	0.360	ng/ul	99
29) Benzo(g,h,i)perylene	27.290	276	16404	0.379	ng/ul	98

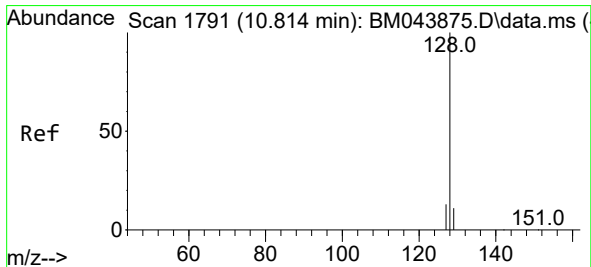
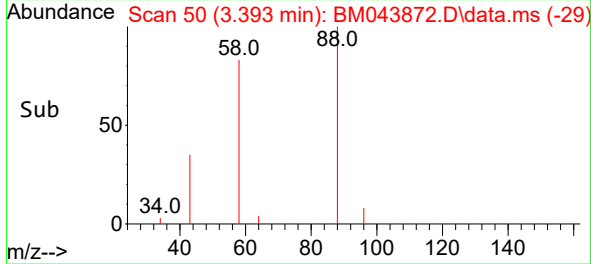
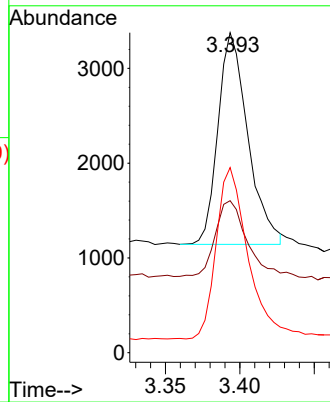
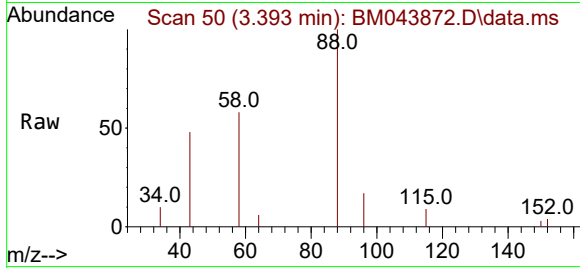
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.402 ng/ul
RT: 3.393 min Scan# 50
Delta R.T. 0.028 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

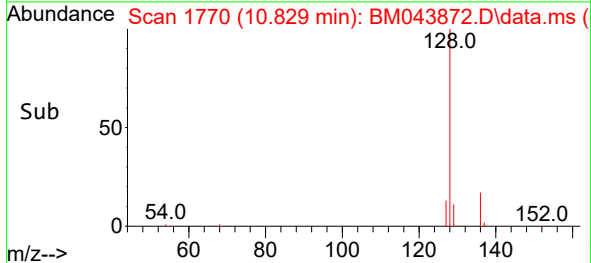
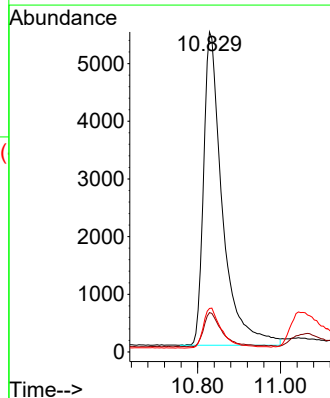
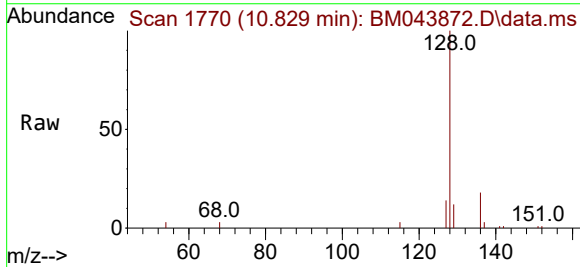
Instrument :
BNA_M
ClientSampleId :
SSTD0.4180

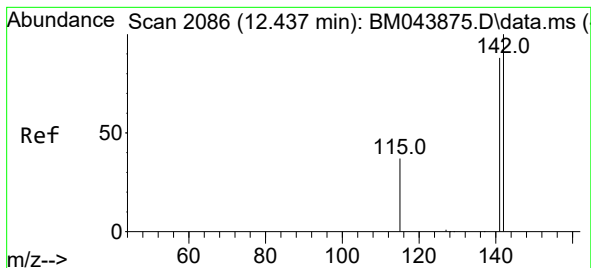
Tgt Ion: 88 Resp: 3116
Ion Ratio Lower Upper
88 100
43 47.5 32.2 48.4
58 57.8 40.2 60.4



#5
Naphthalene
Concen: 0.358 ng/ul
RT: 10.829 min Scan# 1770
Delta R.T. 0.014 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion: 128 Resp: 17101
Ion Ratio Lower Upper
128 100
129 12.3 10.0 15.0
127 13.6 11.4 17.0

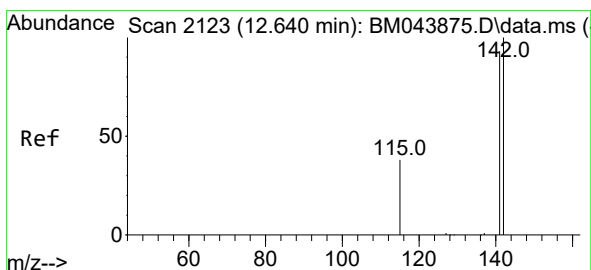
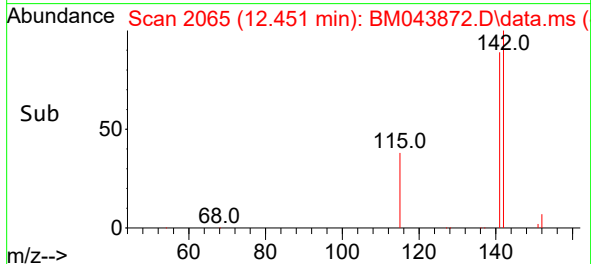
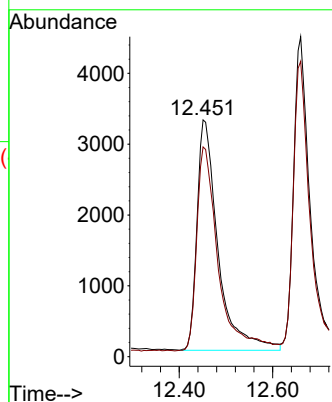
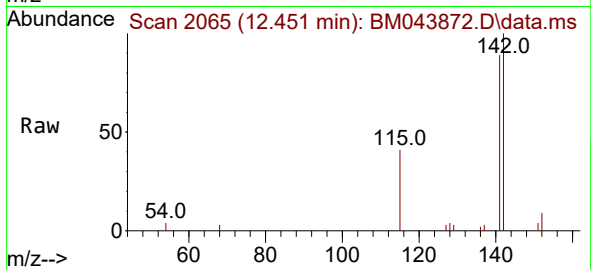




#7
2-Methylnaphthalene
Concen: 0.325 ng/ul
RT: 12.451 min Scan# 2086
Delta R.T. 0.014 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

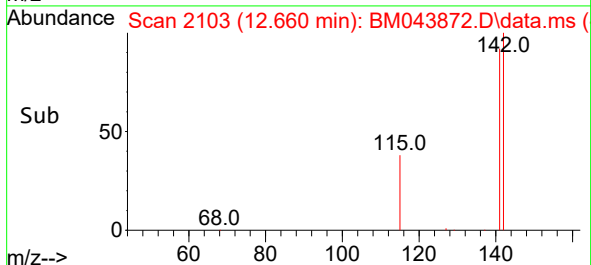
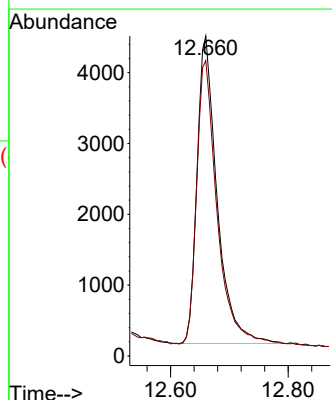
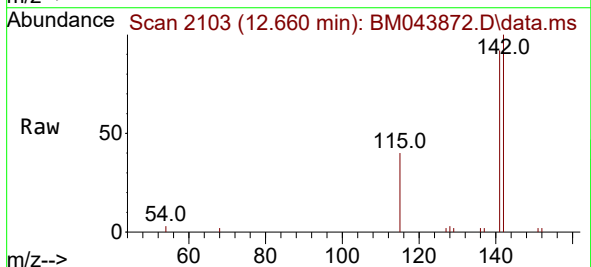
Instrument :
BNA_M
ClientSampleId :
SSTD0.4180

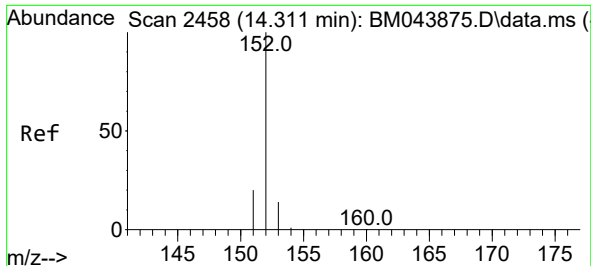
Tgt Ion:142 Resp: 10205
Ion Ratio Lower Upper
142 100
141 90.9 73.0 109.4



#8
1-Methylnaphthalene
Concen: 0.323 ng/ul
RT: 12.660 min Scan# 2103
Delta R.T. 0.020 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion:142 Resp: 10286
Ion Ratio Lower Upper
142 100
141 93.6 74.6 111.8

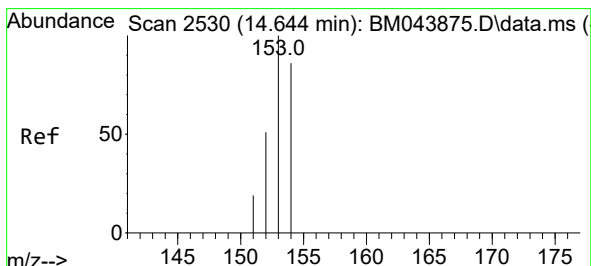
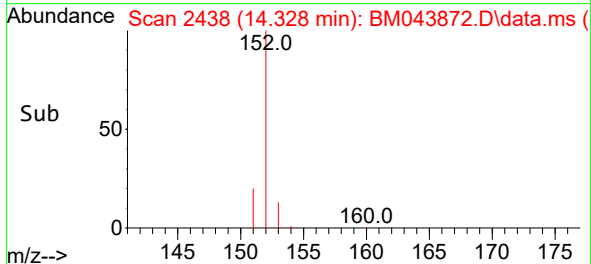
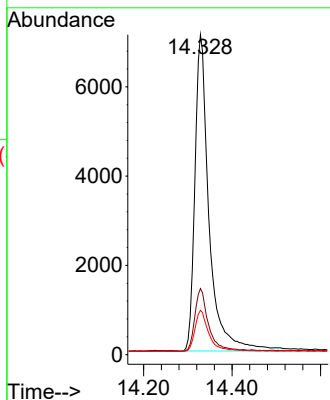
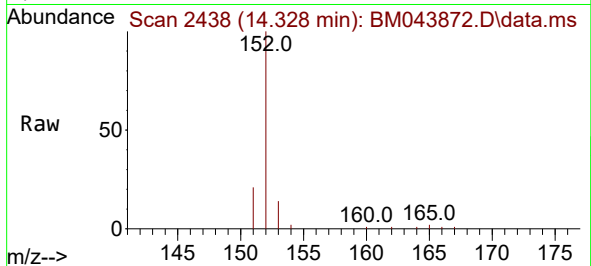




#10
Acenaphthylene
Concen: 0.362 ng/ul
RT: 14.328 min Scan# 2458
Delta R.T. 0.017 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

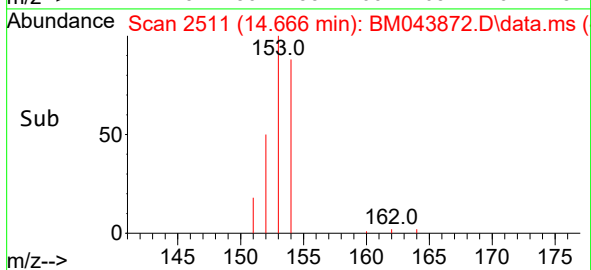
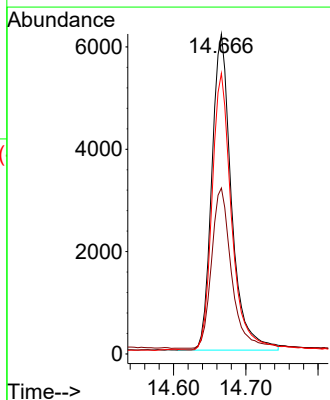
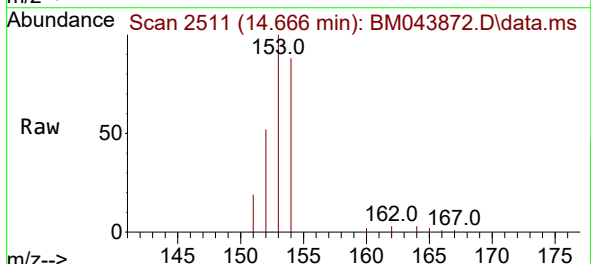
Instrument :
BNA_M
ClientSampleId :
SSTD0.4180

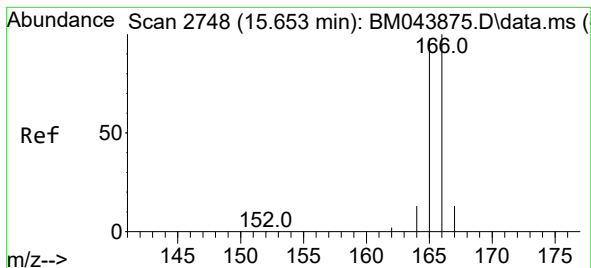
Tgt Ion:152	Resp:	15766
Ion Ratio	Lower	Upper
152	100	
151	20.7	16.6 24.8
153	13.9	11.7 17.5



#11
Acenaphthene
Concen: 0.369 ng/ul
RT: 14.666 min Scan# 2511
Delta R.T. 0.022 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion:153	Resp:	11677
Ion Ratio	Lower	Upper
153	100	
152	51.9	42.1 63.1
154	87.7	69.0 103.6





#12

Fluorene

Concen: 0.342 ng/ul

RT: 15.665 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4180

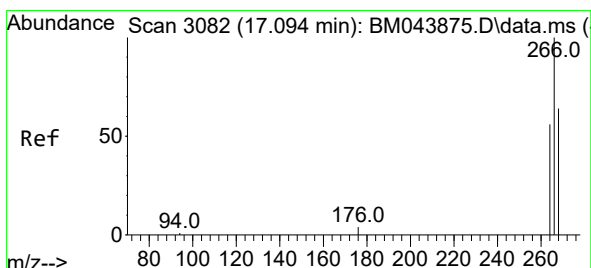
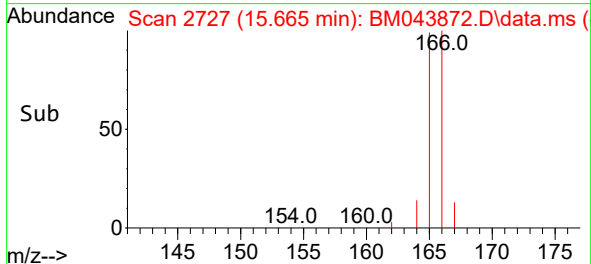
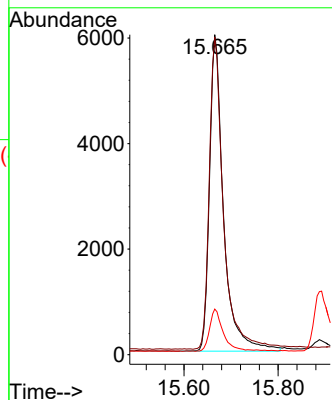
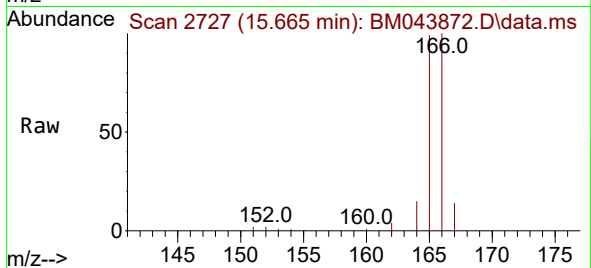
Tgt Ion:166 Resp: 12398

Ion Ratio Lower Upper

166 100

165 99.3 79.2 118.8

167 14.3 11.4 17.2



#14

Pentachlorophenol

Concen: 0.174 ng/ul

RT: 17.080 min Scan# 3055

Delta R.T. -0.014 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

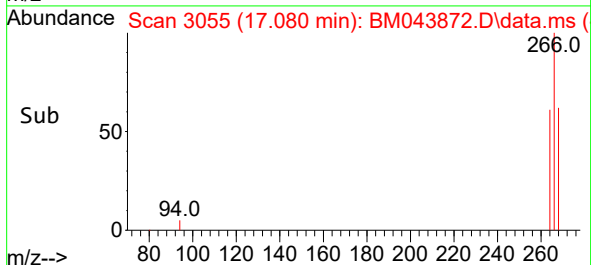
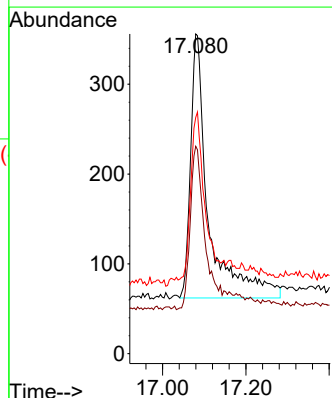
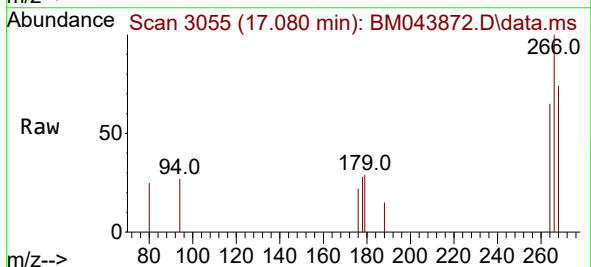
Tgt Ion:266 Resp: 879

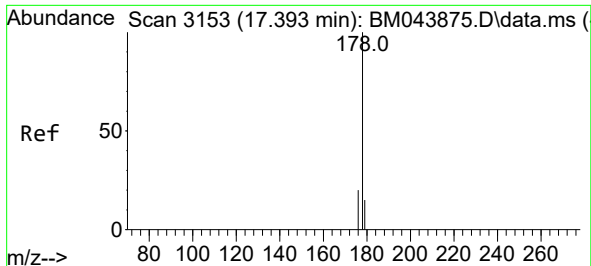
Ion Ratio Lower Upper

266 100

264 57.9 39.8 59.6

268 58.9 45.6 68.4

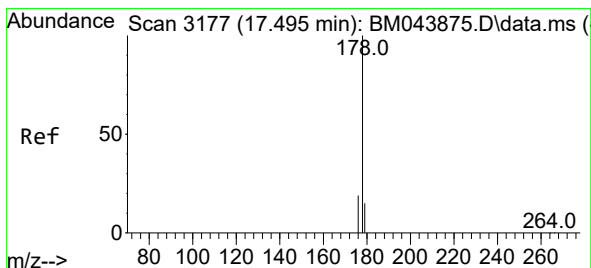
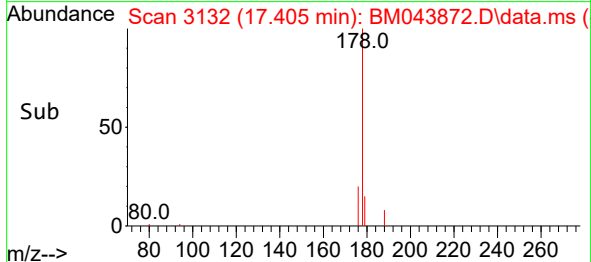
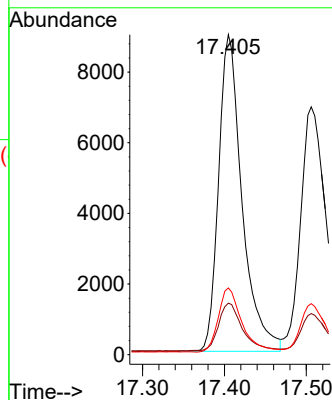
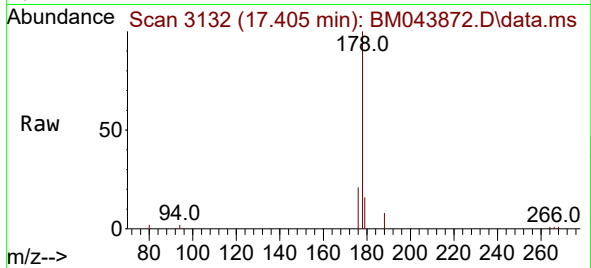




#15
Phenanthrene
Concen: 0.353 ng/ul
RT: 17.405 min Scan# 3153
Delta R.T. 0.011 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

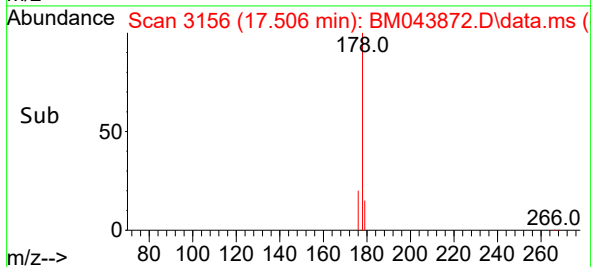
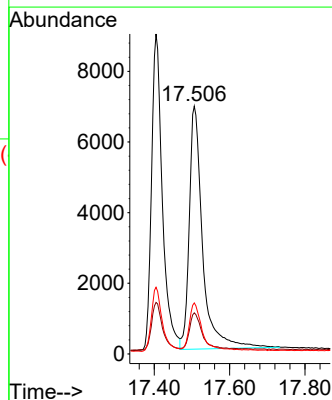
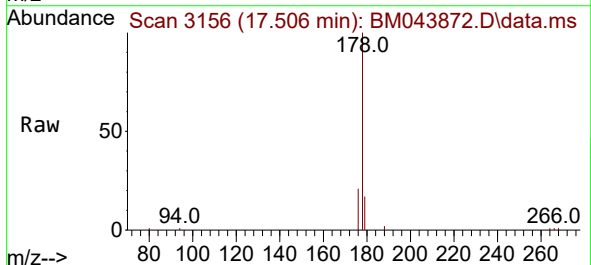
Instrument :
BNA_M
ClientSampleId :
SSTD0.4180

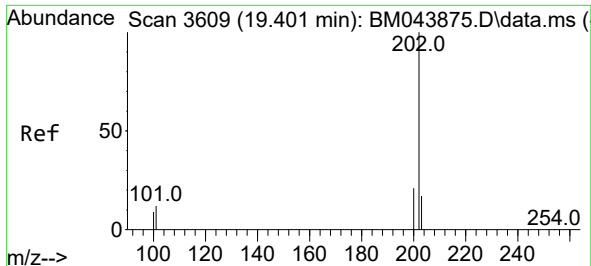
Tgt Ion:	178	Resp:	17839
Ion Ratio	Lower	Upper	
178	100		
179	16.1	13.0	19.6
176	20.8	16.4	24.6



#16
Anthracene
Concen: 0.352 ng/ul
RT: 17.506 min Scan# 3156
Delta R.T. 0.011 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion:	178	Resp:	16915
Ion Ratio	Lower	Upper	
178	100		
179	16.6	13.2	19.8
176	20.6	16.2	24.2

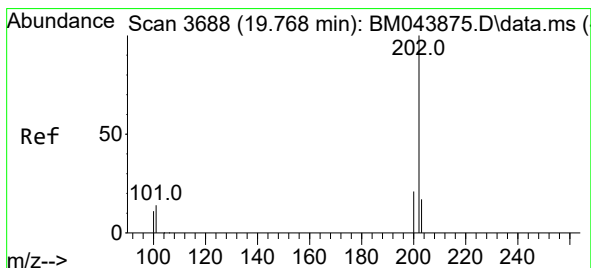
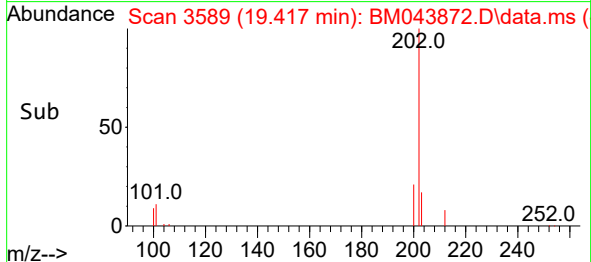
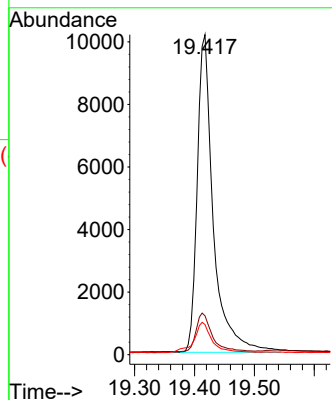
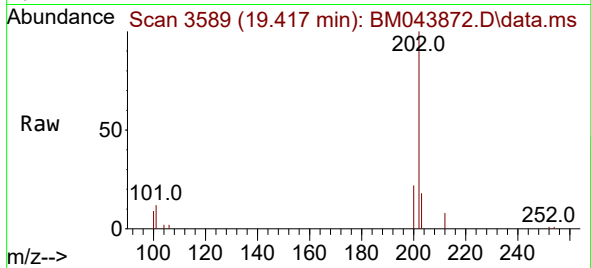




#19
Fluoranthene
Concen: 0.406 ng/ul
RT: 19.417 min Scan# 3
Delta R.T. 0.017 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

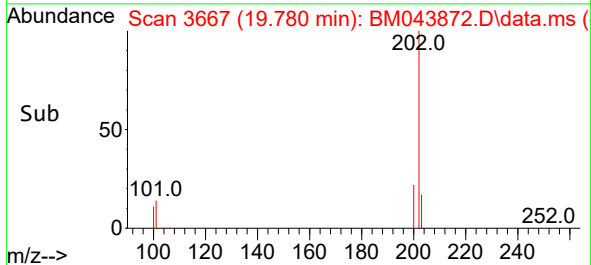
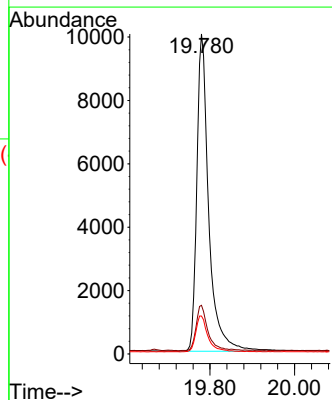
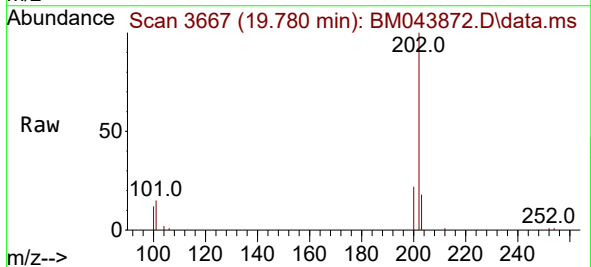
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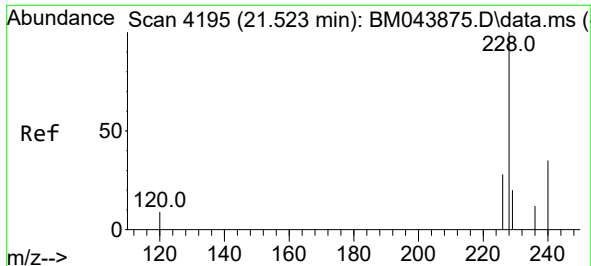
Tgt Ion:202 Resp: 18974
Ion Ratio Lower Upper
202 100
101 12.2 10.1 15.1
100 9.4 8.0 12.0



#20
Pyrene
Concen: 0.402 ng/ul
RT: 19.780 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion:202 Resp: 19569
Ion Ratio Lower Upper
202 100
101 15.2 11.9 17.9
100 11.9 9.5 14.3

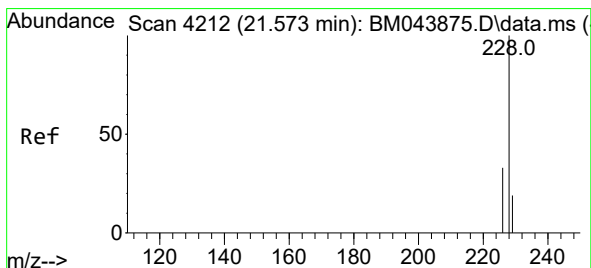
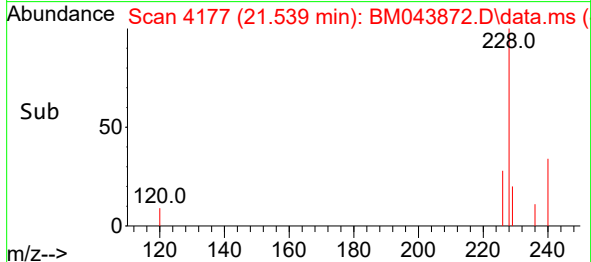
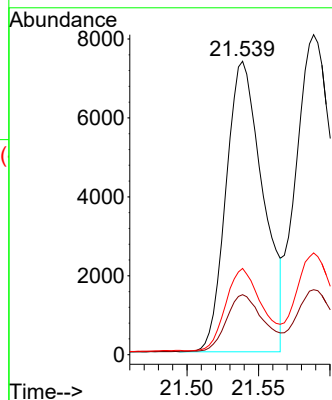
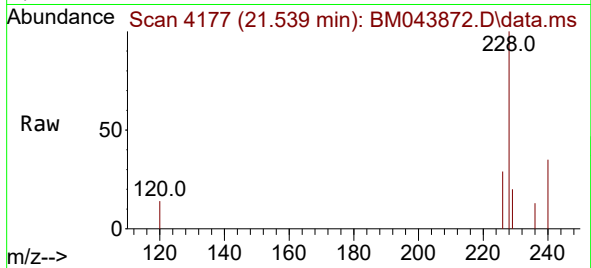




#21
Benzo(a)anthracene
Concen: 0.324 ng/ul
RT: 21.539 min Scan# 4194
Delta R.T. 0.016 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

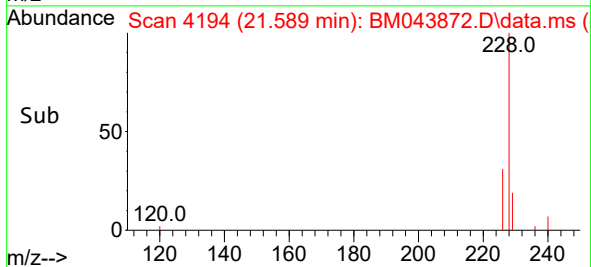
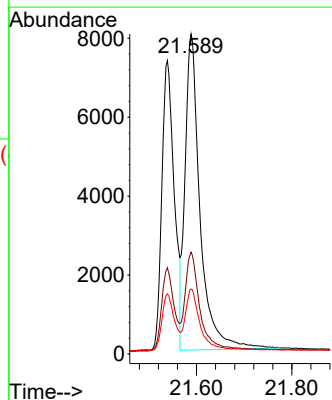
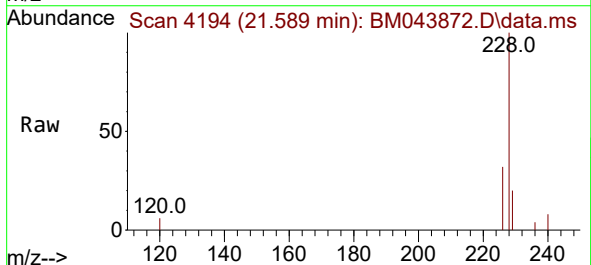
Instrument :
BNA_M
ClientSampleId :
SSTD0.4180

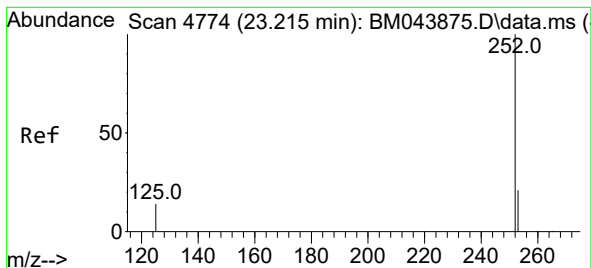
Tgt Ion:228 Resp: 13253
Ion Ratio Lower Upper
228 100
229 20.5 16.5 24.7
226 29.4 23.1 34.7



#22
Chrysene
Concen: 0.398 ng/ul
RT: 21.589 min Scan# 4194
Delta R.T. 0.016 min
Lab File: BM043872.D
Acq: 19 Jan 2024 12:22

Tgt Ion:228 Resp: 17570
Ion Ratio Lower Upper
228 100
226 31.8 26.2 39.2
229 20.3 16.2 24.2





#24

Benzo(b)fluoranthene

Concen: 0.331 ng/ul

RT: 23.240 min Scan# 41

Delta R.T. 0.024 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4180

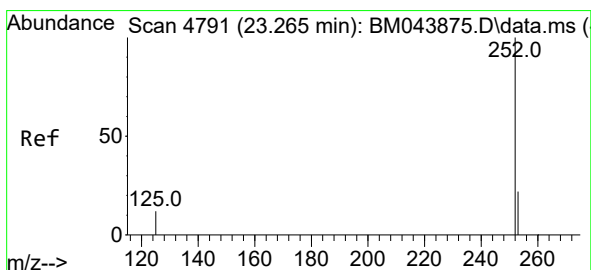
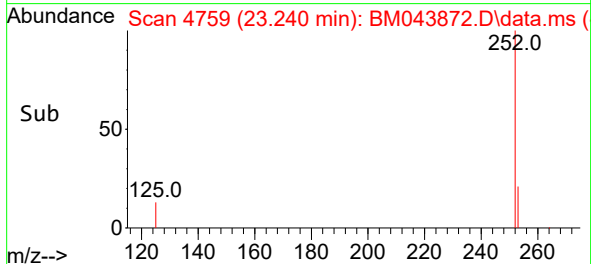
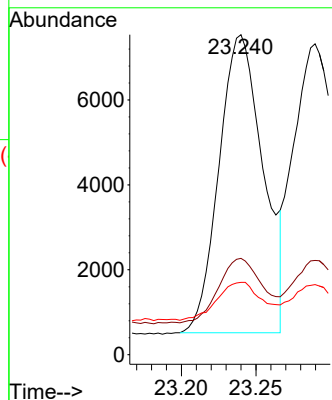
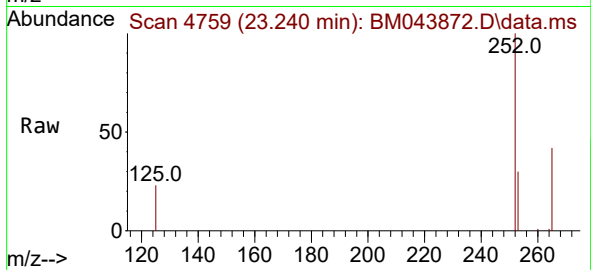
Tgt Ion:252 Resp: 14465

Ion Ratio Lower Upper

252 100

253 30.1 0.0 58.8

125 22.6 0.0 47.2



#25

Benzo(k)fluoranthene

Concen: 0.368 ng/ul

RT: 23.290 min Scan# 4776

Delta R.T. 0.024 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

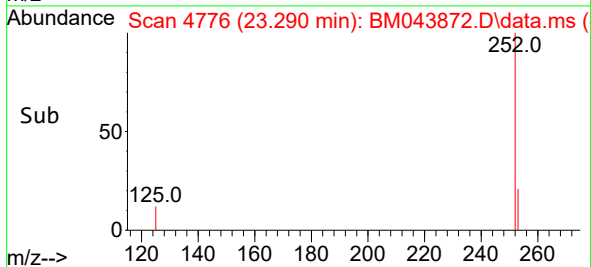
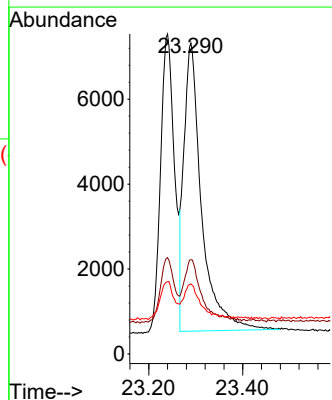
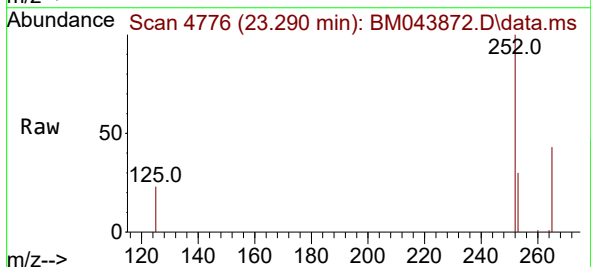
Tgt Ion:252 Resp: 17713

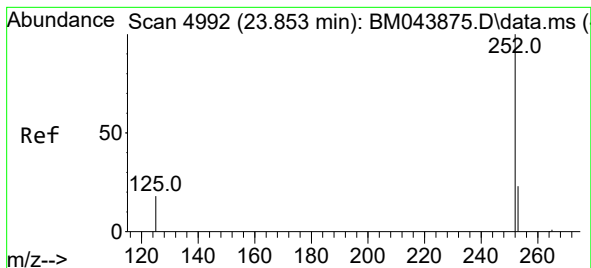
Ion Ratio Lower Upper

252 100

253 30.3 24.2 36.2

125 22.5 17.9 26.9





#26

Benzo(a)pyrene

Concen: 0.355 ng/ul

RT: 23.880 min Scan# 4992

Delta R.T. 0.027 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4180

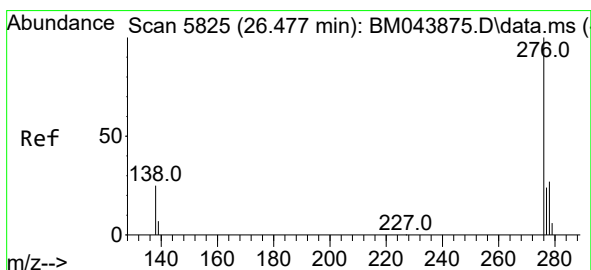
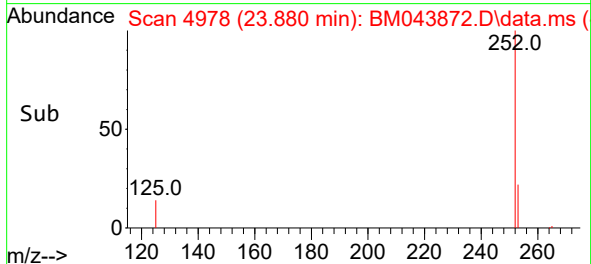
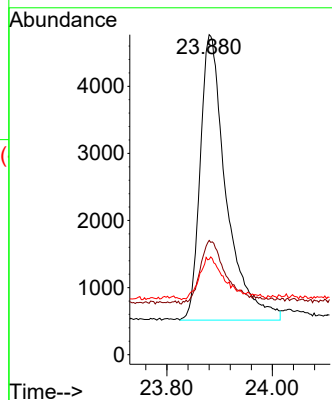
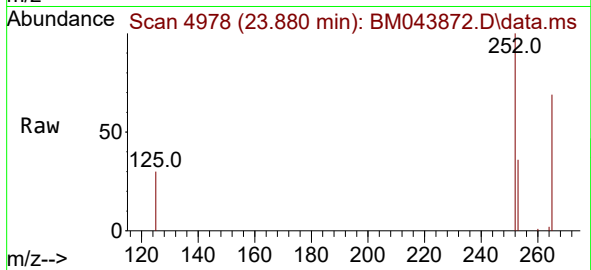
Tgt Ion:252 Resp: 14535

Ion Ratio Lower Upper

252 100

253 35.7 28.6 42.8

125 29.8 26.9 40.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.358 ng/ul

RT: 26.525 min Scan# 5816

Delta R.T. 0.048 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

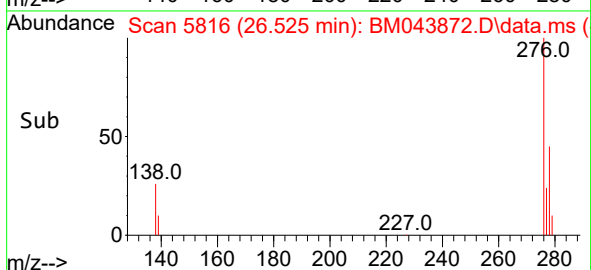
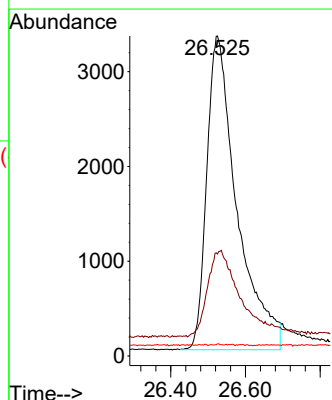
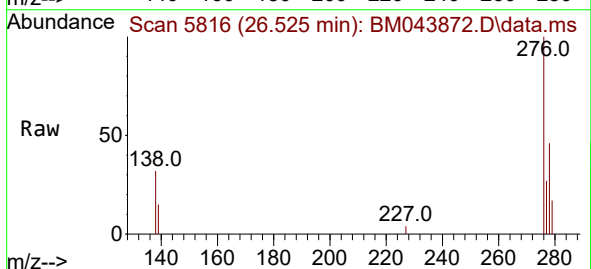
Tgt Ion:276 Resp: 18559

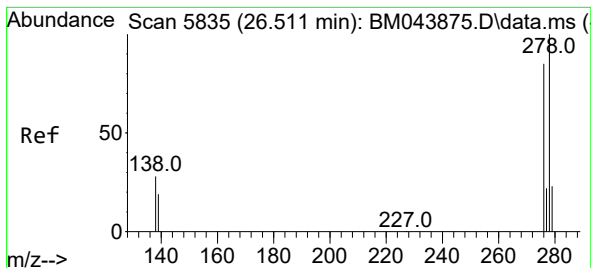
Ion Ratio Lower Upper

276 100

138 29.9 24.6 36.8

227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.360 ng/ul

RT: 26.552 min Scan# 5824

Delta R.T. 0.041 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4180

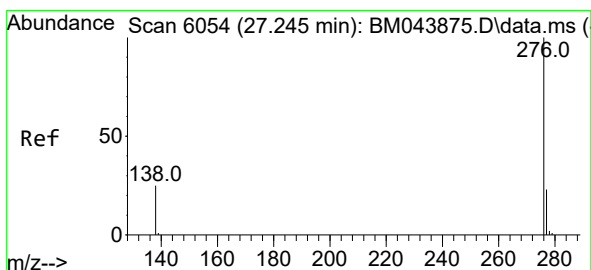
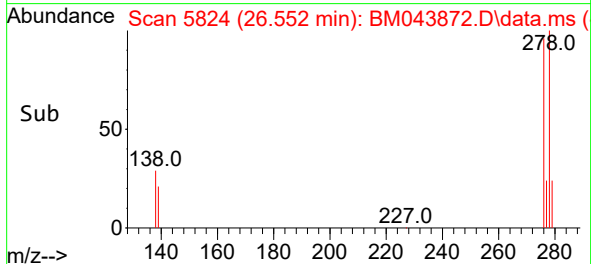
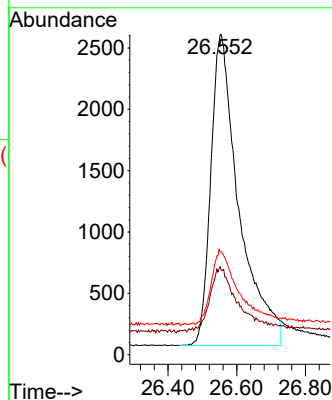
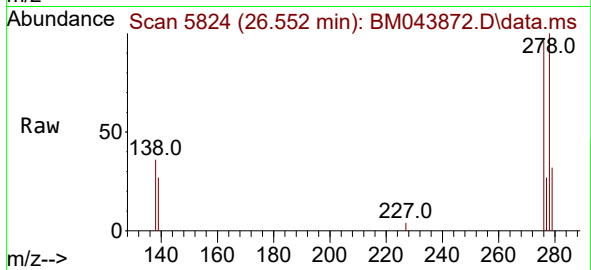
Tgt Ion:278 Resp: 14455

Ion Ratio Lower Upper

278 100

139 27.5 21.1 31.7

279 32.2 25.8 38.6



#29

Benzo(g,h,i)perylene

Concen: 0.379 ng/ul

RT: 27.290 min Scan# 6044

Delta R.T. 0.045 min

Lab File: BM043872.D

Acq: 19 Jan 2024 12:22

Tgt Ion:276 Resp: 16404

Ion Ratio Lower Upper

276 100

138 31.3 24.0 36.0

277 26.2 20.6 31.0

