

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011924\
 Data File : BM043874.D
 Acq On : 19 Jan 2024 16:18
 Operator : MA/JU
 Sample : SSTD0.291
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

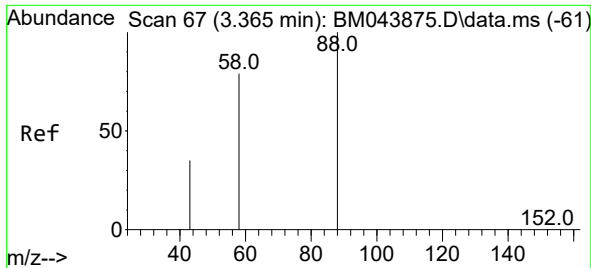
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.2044

Quant Time: Jan 19 22:39:02 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	7.947	152	4436	0.400	ng/ul	0.02
4) Naphthalene-d8	10.781	136	11510	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.590	164	5616	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.361	188	10345	0.400	ng/ul	0.00
17) Chrysene-d12	21.546	240	6422	0.400	ng/ul #	0.01
23) Perylene-d12	23.963	264	7700	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	1279	0.238	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.382	152	2939	0.177	ng/ul	0.02
18) Fluoranthene-d10	19.378	212	4499	0.217	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.365	88	1404	0.246	ng/ul#	85
5) Naphthalene	10.831	128	6799	0.206	ng/ul#	93
7) 2-Methylnaphthalene	12.464	142	3824	0.176	ng/ul	100
8) 1-Methylnaphthalene	12.657	142	3961	0.180	ng/ul	99
10) Acenaphthylene	14.321	152	6037	0.201	ng/ul	97
11) Acenaphthene	14.655	153	4501	0.206	ng/ul	99
12) Fluorene	15.668	166	4522	0.180	ng/ul#	98
14) Pentachlorophenol	17.103	266	223	0.068	ng/ul#	82
15) Phenanthrene	17.403	178	6597	0.201	ng/ul	98
16) Anthracene	17.504	178	6215	0.199	ng/ul	95
19) Fluoranthene	19.406	202	7199	0.226	ng/ul#	95
20) Pyrene	19.773	202	7573	0.229	ng/ul	96
21) Benzo(a)anthracene	21.540	228	4801	0.172	ng/ul	97
22) Chrysene	21.584	228	7212	0.240	ng/ul	99
24) Benzo(b)fluoranthene	23.229	252	5789	0.184	ng/ul	74
25) Benzo(k)fluoranthene	23.282	252	7340	0.212	ng/ul#	74
26) Benzo(a)pyrene	23.870	252	5998	0.204	ng/ul#	69
27) Indeno(1,2,3-cd)pyrene	26.510	276	7280	0.196	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.547	278	5535	0.192	ng/ul#	76
29) Benzo(g,h,i)perylene	27.264	276	6809	0.219	ng/ul#	89

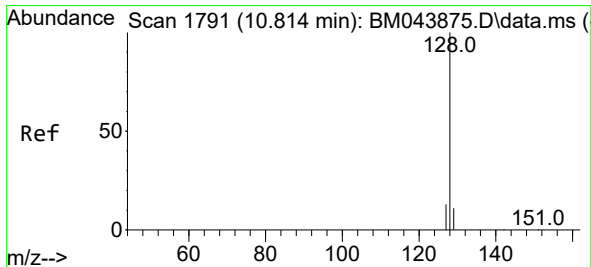
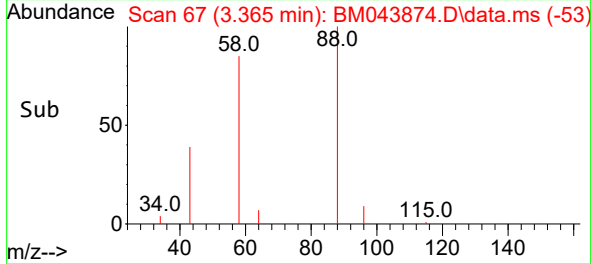
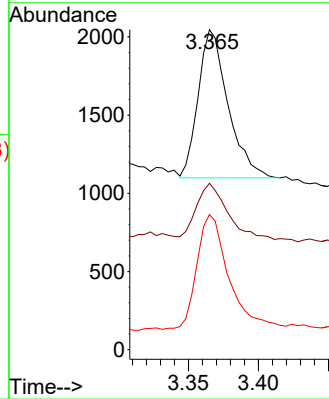
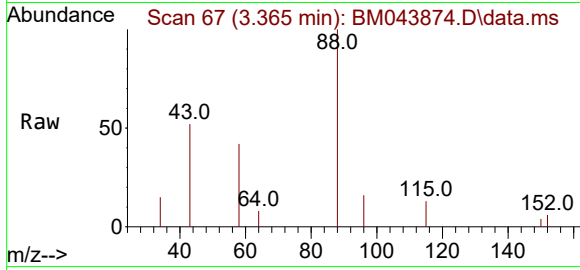
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.246 ng/ul
RT: 3.365 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043874.D
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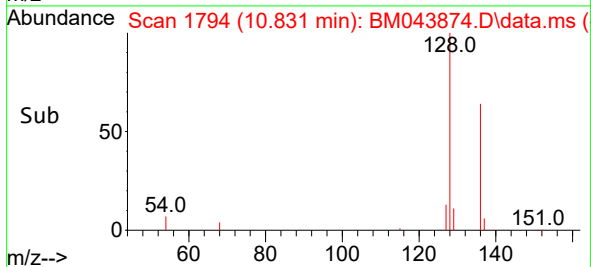
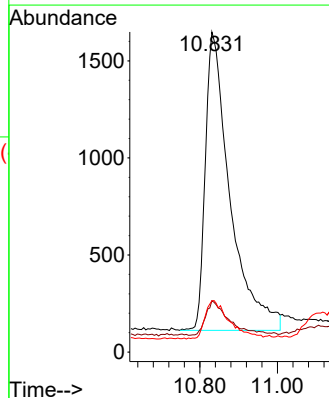
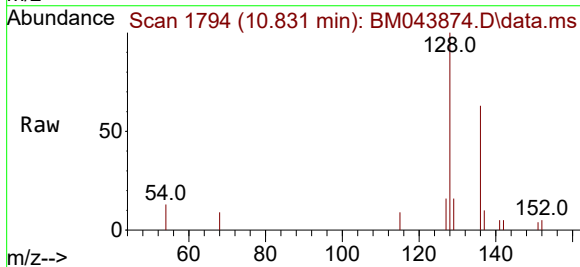
Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

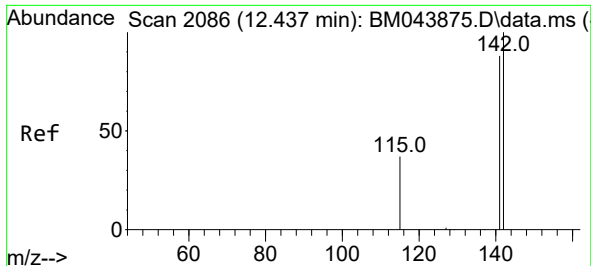
Tgt Ion: 88 Resp: 1404
Ion Ratio Lower Upper
88 100
43 52.0 32.2 48.4#
58 42.3 40.2 60.4



#5
Naphthalene
Concen: 0.206 ng/ul
RT: 10.831 min Scan# 1794
Delta R.T. 0.017 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion: 128 Resp: 6799
Ion Ratio Lower Upper
128 100
129 16.0 10.0 15.0#
127 16.0 11.4 17.0

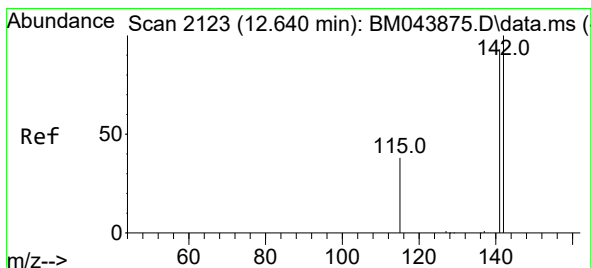
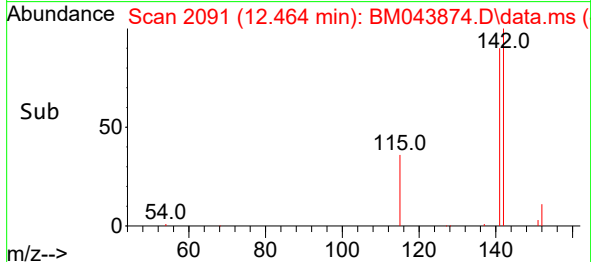
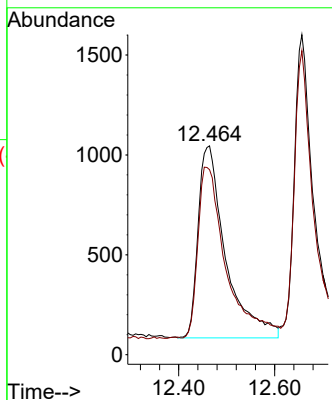
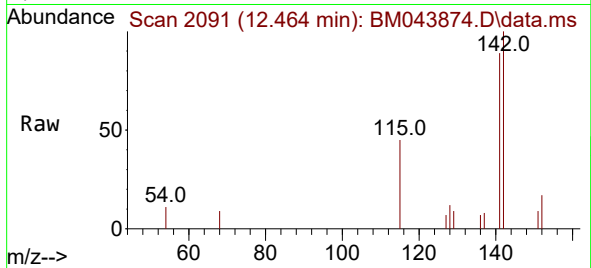




#7
2-Methylnaphthalene
Concen: 0.176 ng/ul
RT: 12.464 min Scan# 2086
Delta R.T. 0.028 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

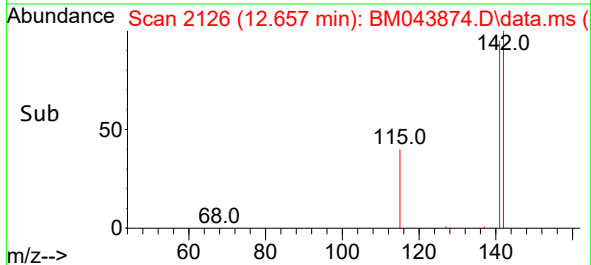
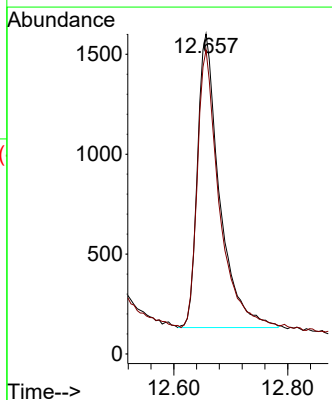
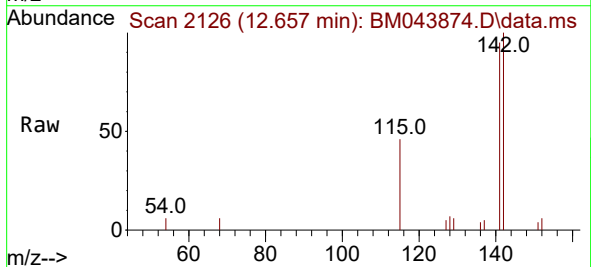
Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

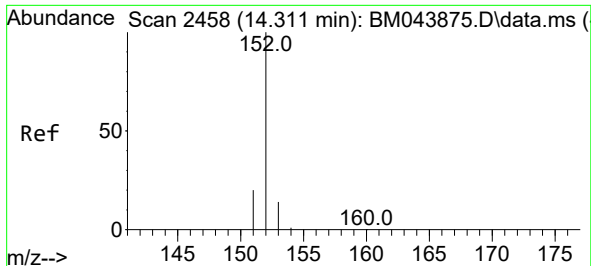
Tgt Ion:142 Resp: 3824
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.4



#8
1-Methylnaphthalene
Concen: 0.180 ng/ul
RT: 12.657 min Scan# 2126
Delta R.T. 0.017 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:142 Resp: 3961
Ion Ratio Lower Upper
142 100
141 93.8 74.6 111.8

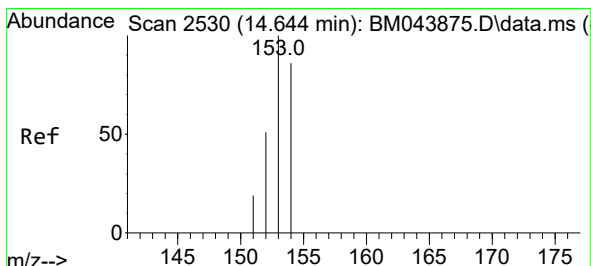
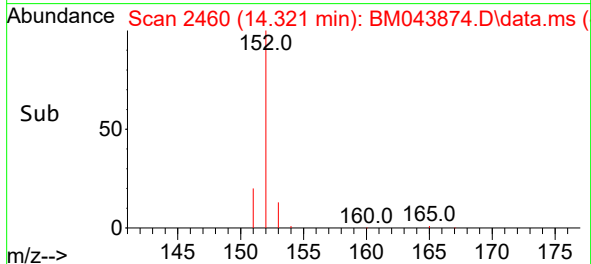
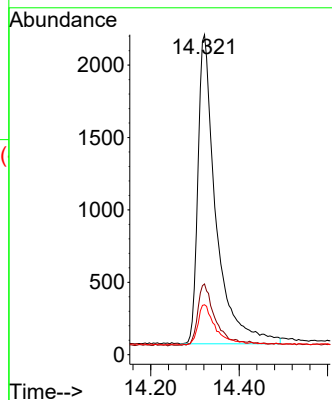
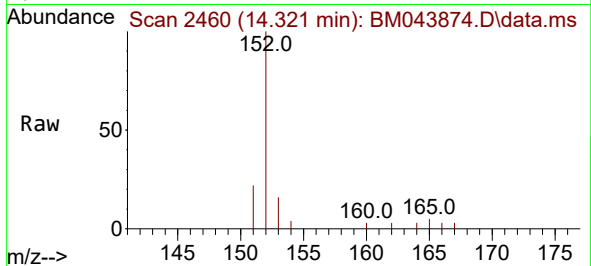




#10
Acenaphthylene
Concen: 0.201 ng/ul
RT: 14.321 min Scan# 2458
Delta R.T. 0.010 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

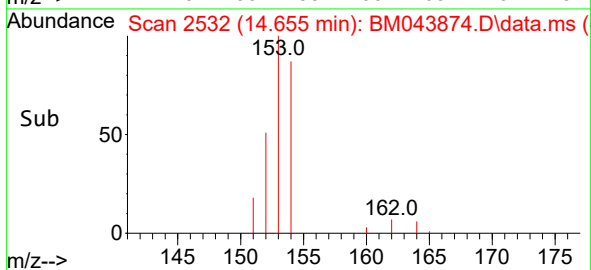
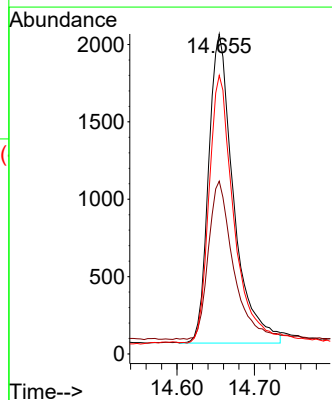
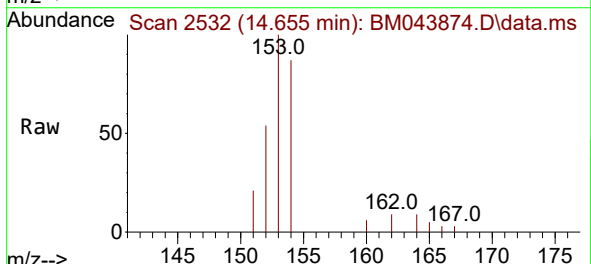
Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

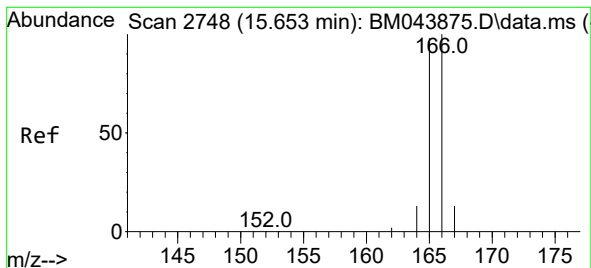
Tgt Ion:152 Resp: 6037
Ion Ratio Lower Upper
152 100
151 22.1 16.6 24.8
153 15.6 11.7 17.5



#11
Acenaphthene
Concen: 0.206 ng/ul
RT: 14.655 min Scan# 2532
Delta R.T. 0.010 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:153 Resp: 4501
Ion Ratio Lower Upper
153 100
152 54.0 42.1 63.1
154 87.0 69.0 103.6





#12

Fluorene

Concen: 0.180 ng/ul

RT: 15.668 min Scan# 21

Delta R.T. 0.015 min

Lab File: BM043874.D

Acq: 19 Jan 2024 16:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.2044

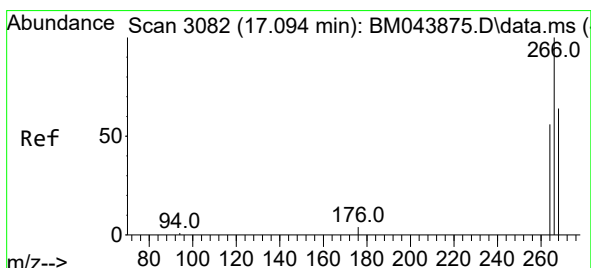
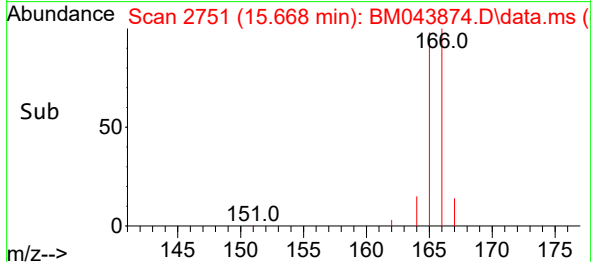
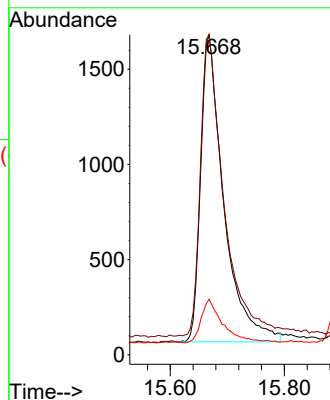
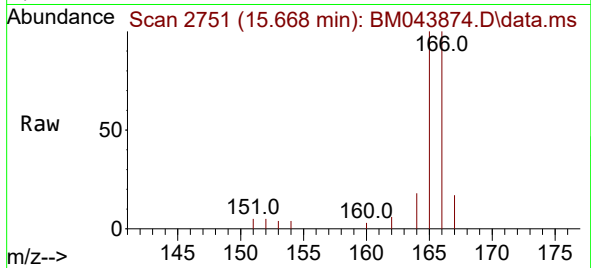
Tgt Ion:166 Resp: 4522

Ion Ratio Lower Upper

166 100

165 100.1 79.2 118.8

167 17.3 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.068 ng/ul

RT: 17.103 min Scan# 3084

Delta R.T. 0.009 min

Lab File: BM043874.D

Acq: 19 Jan 2024 16:18

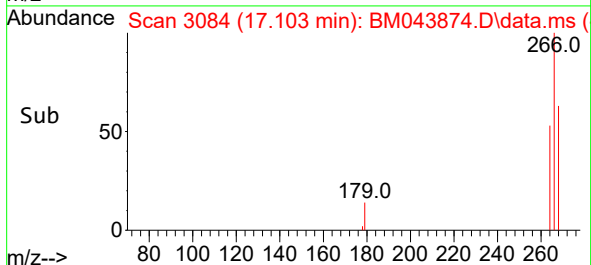
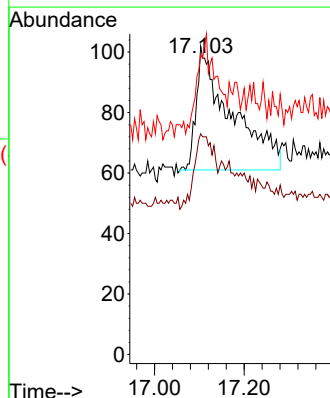
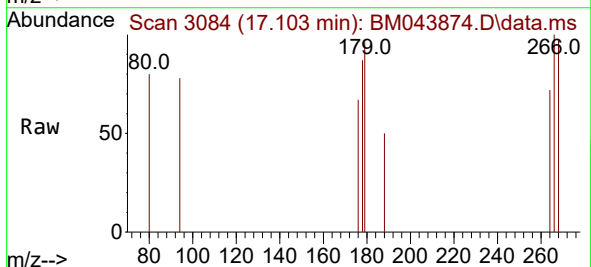
Tgt Ion:266 Resp: 223

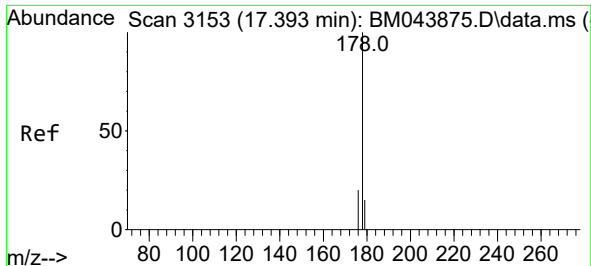
Ion Ratio Lower Upper

266 100

264 60.5 39.8 59.6#

268 42.2 45.6 68.4#

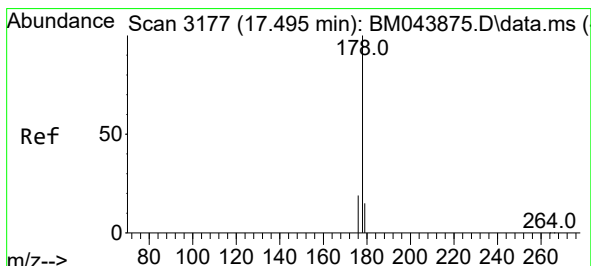
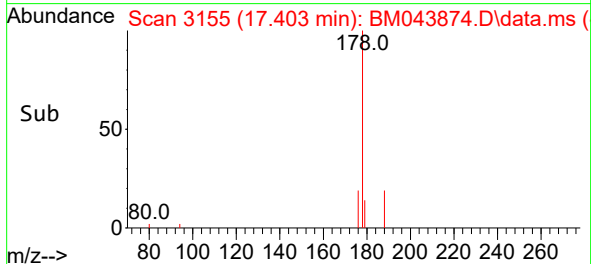
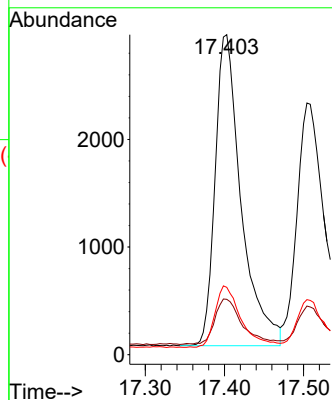
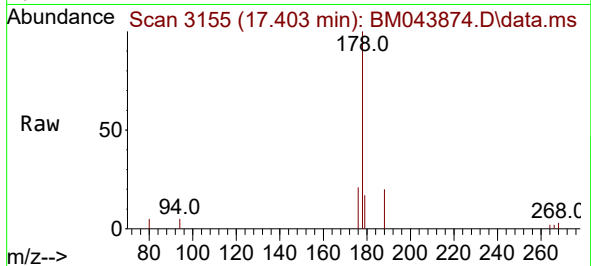




#15
Phenanthrene
Concen: 0.201 ng/ul
RT: 17.403 min Scan# 3155
Delta R.T. 0.009 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

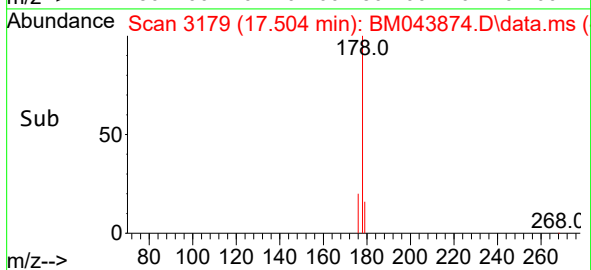
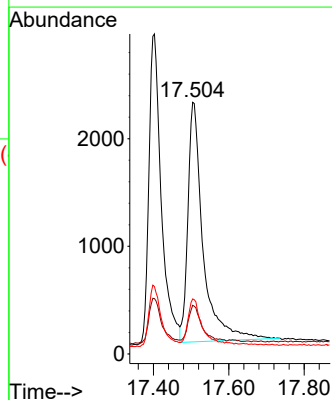
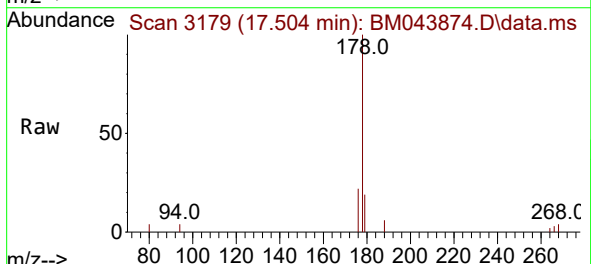
Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

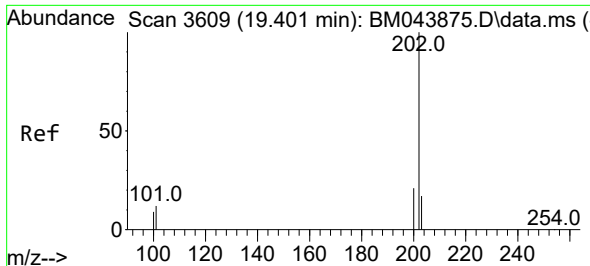
Tgt Ion:178 Resp: 6597
Ion Ratio Lower Upper
178 100
179 17.3 13.0 19.6
176 21.1 16.4 24.6



#16
Anthracene
Concen: 0.199 ng/ul
RT: 17.504 min Scan# 3179
Delta R.T. 0.009 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:178 Resp: 6215
Ion Ratio Lower Upper
178 100
179 19.3 13.2 19.8
176 21.9 16.2 24.2

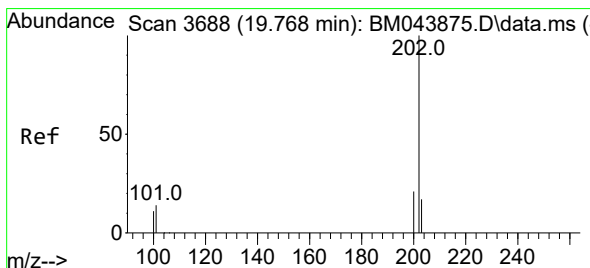
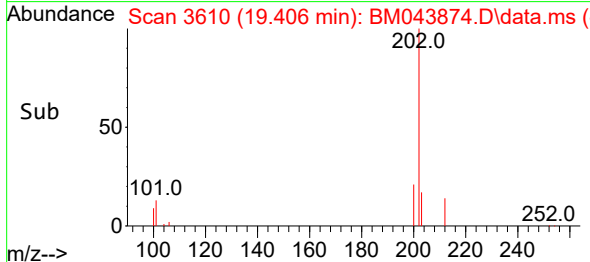
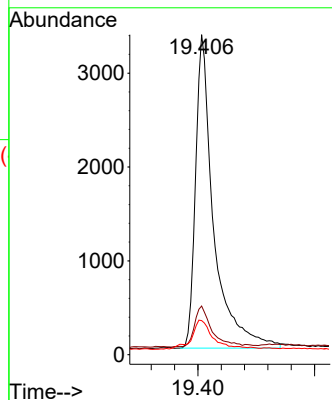
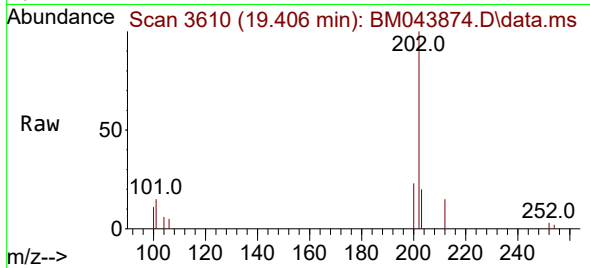




#19
Fluoranthene
Concen: 0.226 ng/ul
RT: 19.406 min Scan# 3610
Delta R.T. 0.006 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

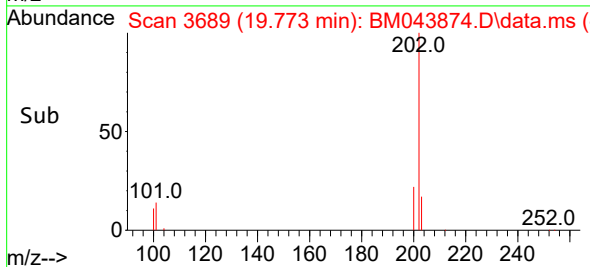
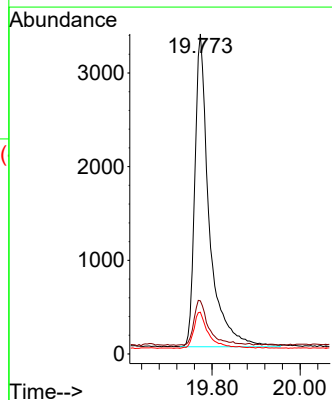
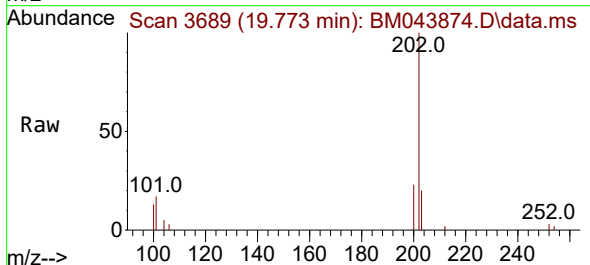
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SSTD0.2044

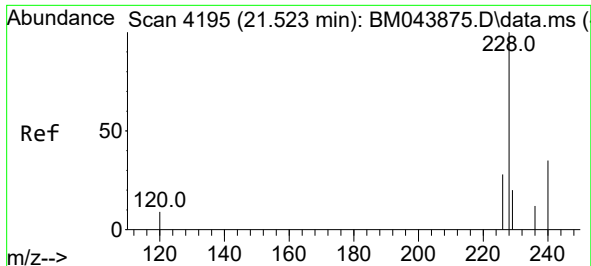
Tgt Ion:202 Resp: 7199
Ion Ratio Lower Upper
202 100
101 15.2 10.1 15.1#
100 10.7 8.0 12.0



#20
Pyrene
Concen: 0.229 ng/ul
RT: 19.773 min Scan# 3689
Delta R.T. 0.006 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:202 Resp: 7573
Ion Ratio Lower Upper
202 100
101 16.6 11.9 17.9
100 13.1 9.5 14.3

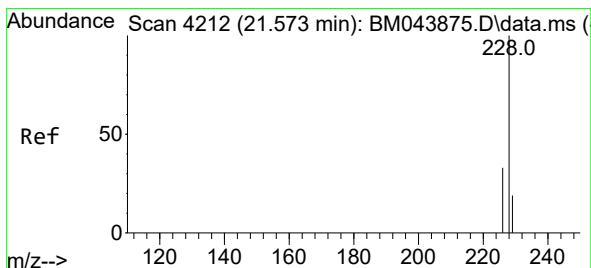
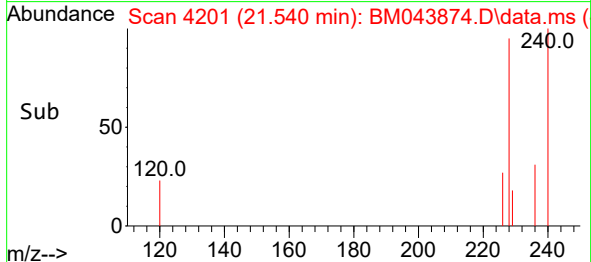
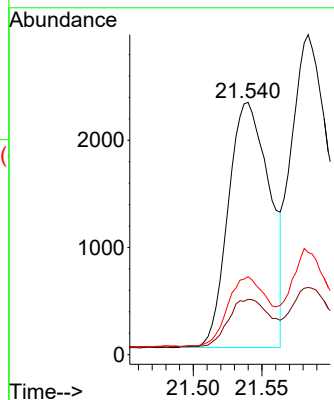
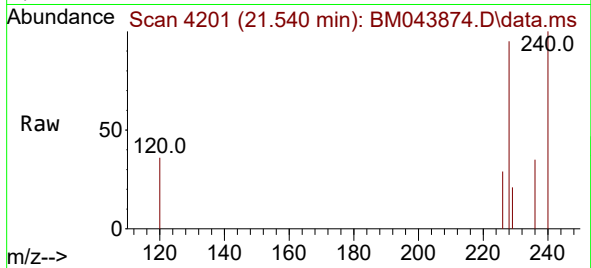




#21
Benzo(a)anthracene
Concen: 0.172 ng/ul
RT: 21.540 min Scan# 4195
Delta R.T. 0.017 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

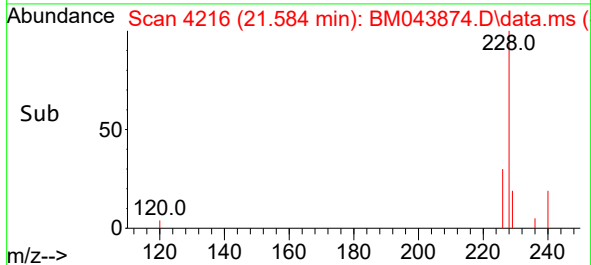
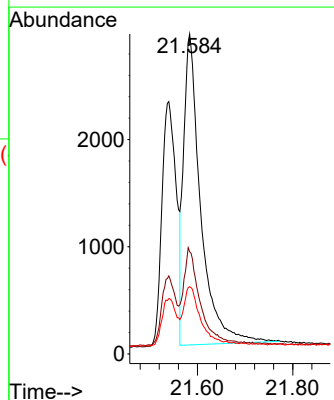
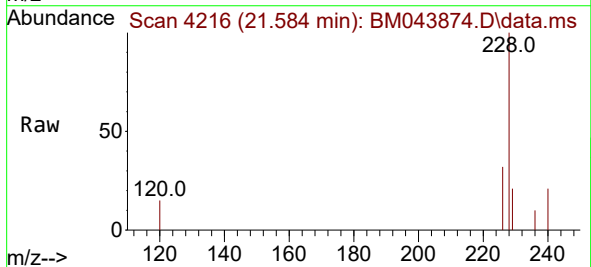
Instrument :
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ClientSampleId :
SSTD0.2044

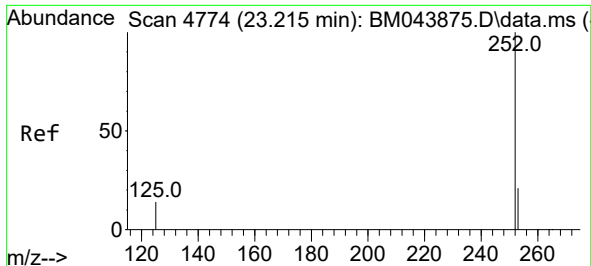
Tgt Ion:228 Resp: 4801
Ion Ratio Lower Upper
228 100
229 22.0 16.5 24.7
226 30.9 23.1 34.7



#22
Chrysene
Concen: 0.240 ng/ul
RT: 21.584 min Scan# 4216
Delta R.T. 0.011 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:228 Resp: 7212
Ion Ratio Lower Upper
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226 31.9 26.2 39.2
229 21.0 16.2 24.2

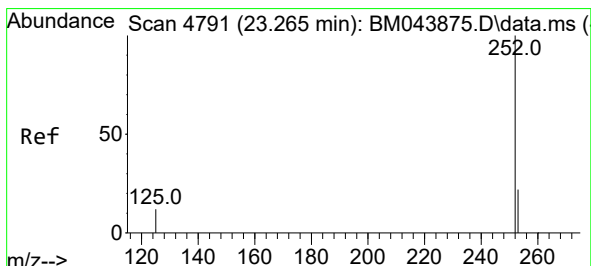
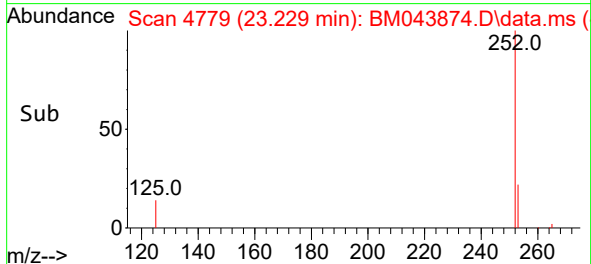
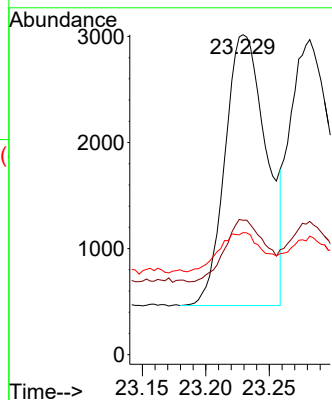
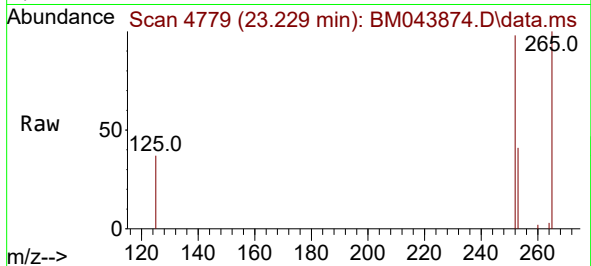




#24
Benzo(b)fluoranthene
Concen: 0.184 ng/ul
RT: 23.229 min Scan# 4779
Delta R.T. 0.014 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

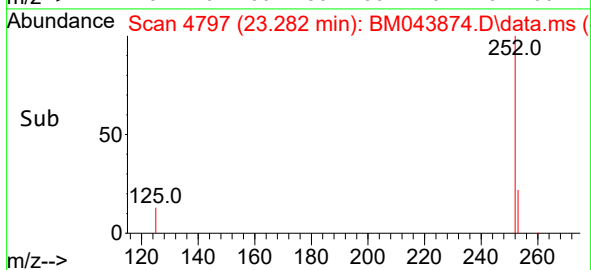
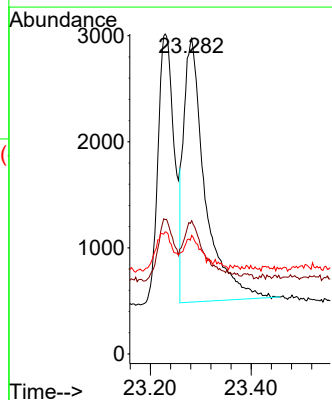
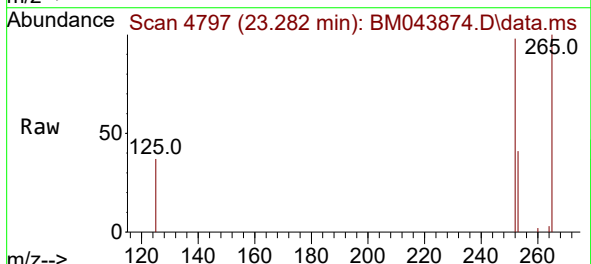
Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

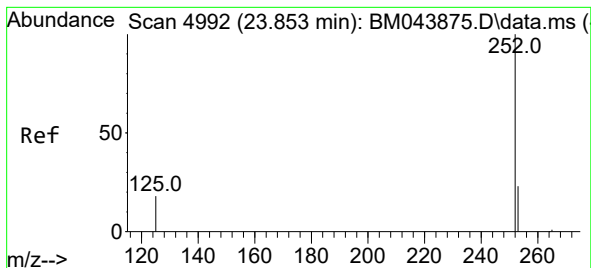
Tgt Ion:252 Resp: 5789
Ion Ratio Lower Upper
252 100
253 42.0 0.0 58.8
125 38.2 0.0 47.2



#25
Benzo(k)fluoranthene
Concen: 0.212 ng/ul
RT: 23.282 min Scan# 4797
Delta R.T. 0.017 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:252 Resp: 7340
Ion Ratio Lower Upper
252 100
253 42.3 24.2 36.2#
125 37.6 17.9 26.9#





#26

Benzo(a)pyrene

Concen: 0.204 ng/ul

RT: 23.870 min Scan# 4998

Delta R.T. 0.017 min

Lab File: BM043874.D

Acq: 19 Jan 2024 16:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.2044

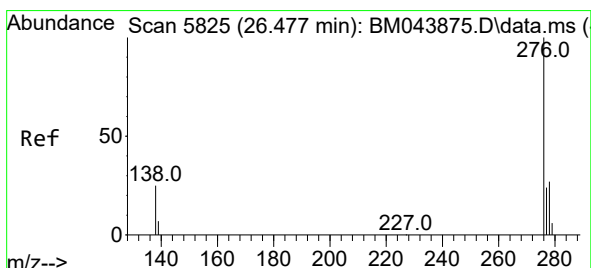
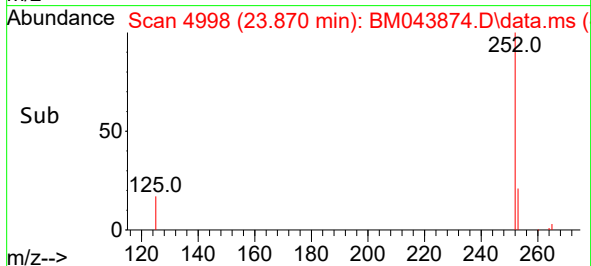
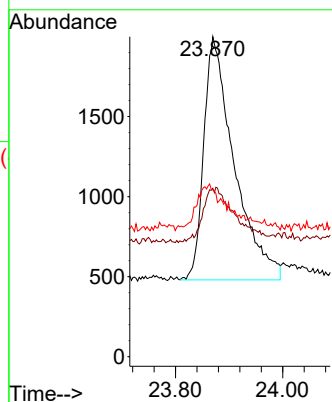
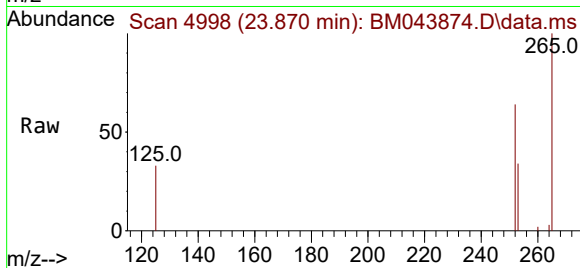
Tgt Ion:252 Resp: 5998

Ion Ratio Lower Upper

252 100

253 52.6 28.6 42.8#

125 52.1 26.9 40.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.196 ng/ul

RT: 26.510 min Scan# 5835

Delta R.T. 0.033 min

Lab File: BM043874.D

Acq: 19 Jan 2024 16:18

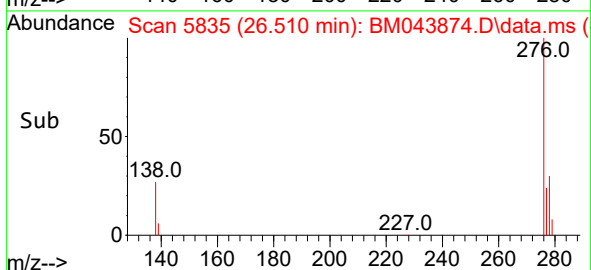
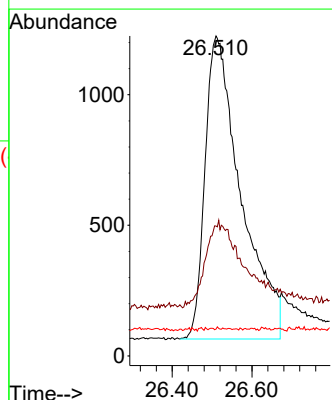
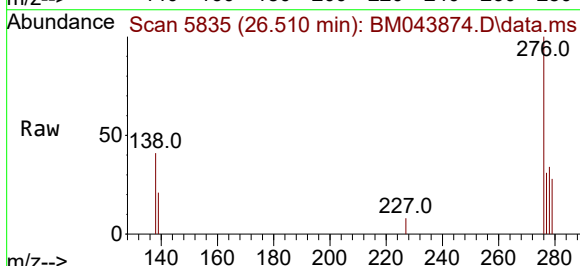
Tgt Ion:276 Resp: 7280

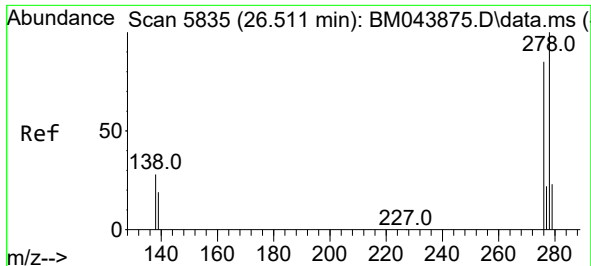
Ion Ratio Lower Upper

276 100

138 31.2 24.6 36.8

227 0.1 0.1 0.1#

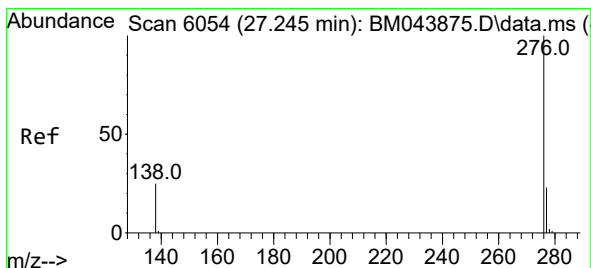
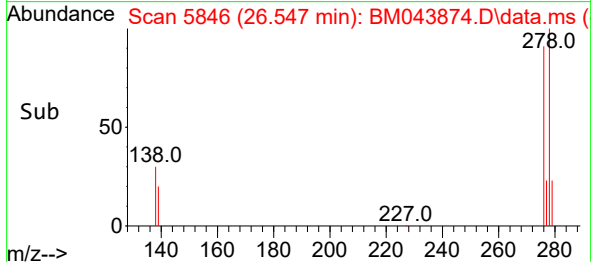
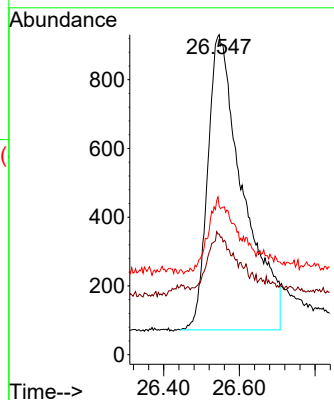
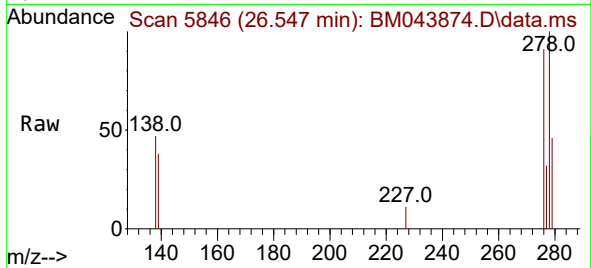




#28
Dibenzo(a,h)anthracene
Concen: 0.192 ng/ul
RT: 26.547 min Scan# 5846
Delta R.T. 0.036 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Instrument :
BNA_M
ClientSampleId :
SSTD0.2044

Tgt Ion:278 Resp: 5535
Ion Ratio Lower Upper
278 100
139 37.7 21.1 31.7#
279 46.3 25.8 38.6#



#29
Benzo(g,h,i)perylene
Concen: 0.219 ng/ul
RT: 27.264 min Scan# 6060
Delta R.T. 0.019 min
Lab File: BM043874.D
Acq: 19 Jan 2024 16:18

Tgt Ion:276 Resp: 6809
Ion Ratio Lower Upper
276 100
138 37.9 24.0 36.0#
277 29.0 20.6 31.0

