

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011924\
 Data File : BM043873.D
 Acq On : 19 Jan 2024 15:42
 Operator : MA/JU
 Sample : SSTD0.190
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.1043

Quant Time: Jan 19 22:38:49 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)

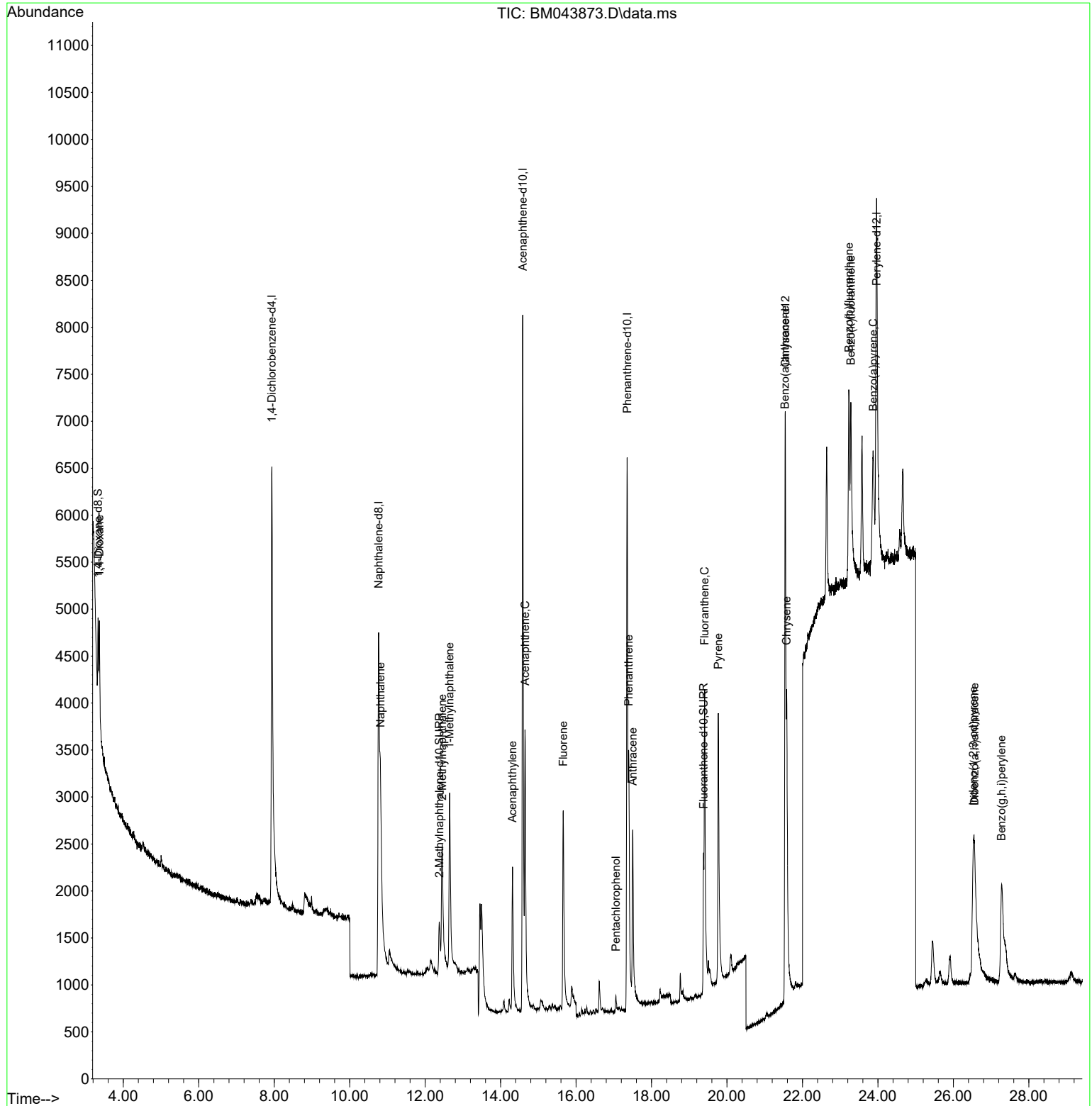
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	4531	0.400	ng/ul	0.00
4) Naphthalene-d8	10.768	136	11458	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.588	164	5525	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.354	188	10780	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	6920	0.400	ng/ul	0.00
23) Perylene-d12	23.965	264	8535	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	731	0.133	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.374	152	1478	0.089	ng/ul	0.00
18) Fluoranthene-d10	19.380	212	2347	0.105	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.368	88	742	0.127	ng/ul#	53
5) Naphthalene	10.818	128	3688	0.112	ng/ul#	88
7) 2-Methylnaphthalene	12.451	142	2041	0.094	ng/ul	96
8) 1-Methylnaphthalene	12.649	142	2053	0.094	ng/ul	99
10) Acenaphthylene	14.315	152	3008	0.102	ng/ul#	92
11) Acenaphthene	14.648	153	2259	0.105	ng/ul	98
12) Fluorene	15.661	166	2343	0.095	ng/ul#	96
14) Pentachlorophenol	17.054	266	200	0.059	ng/ul#	83
15) Phenanthrene	17.396	178	3652	0.107	ng/ul#	93
16) Anthracene	17.502	178	3365	0.103	ng/ul#	92
19) Fluoranthene	19.408	202	3871	0.113	ng/ul#	89
20) Pyrene	19.771	202	4189	0.117	ng/ul#	88
21) Benzo(a)anthracene	21.539	228	2586	0.086	ng/ul	94
22) Chrysene	21.583	228	4014	0.124	ng/ul	94
24) Benzo(b)fluoranthene	23.234	252	3197	0.092	ng/ul#	46
25) Benzo(k)fluoranthene	23.281	252	4119	0.107	ng/ul#	44
26) Benzo(a)pyrene	23.877	252	3479	0.107	ng/ul#	37
27) Indeno(1,2,3-cd)pyrene	26.526	276	4228	0.103	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.562	278	3200	0.100	ng/ul#	44
29) Benzo(g,h,i)perylene	27.277	276	3951	0.115	ng/ul#	73

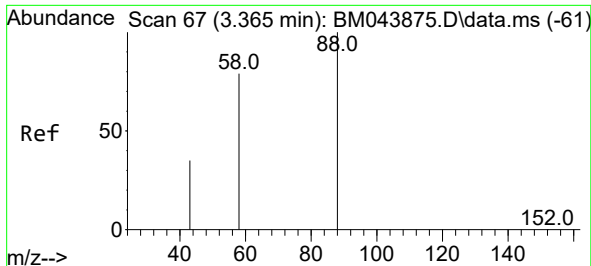
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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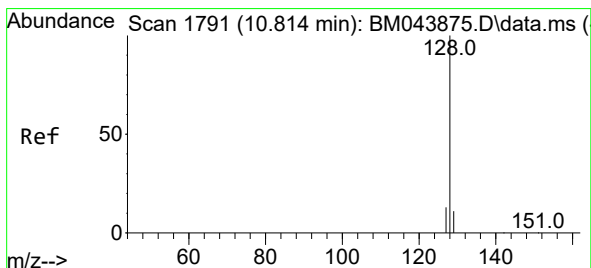
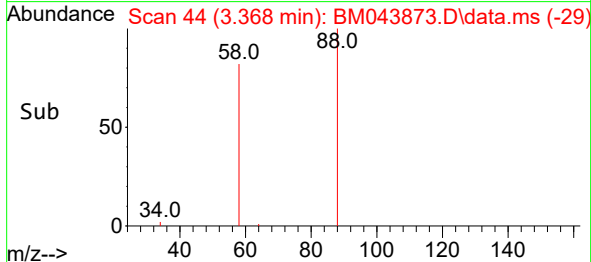
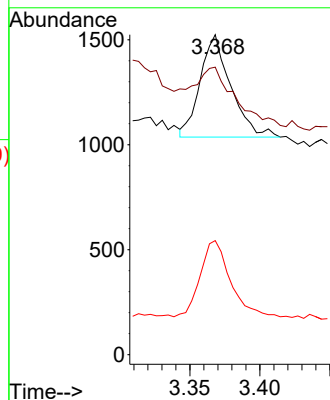
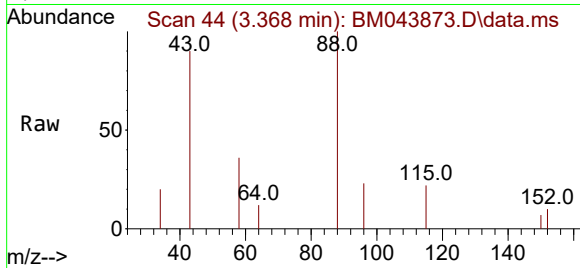




#2
1,4-Dioxane
Concen: 0.127 ng/ul
RT: 3.368 min Scan# 44
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

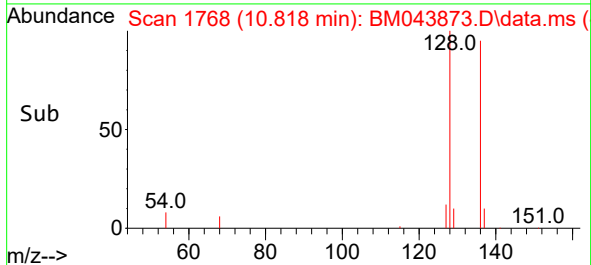
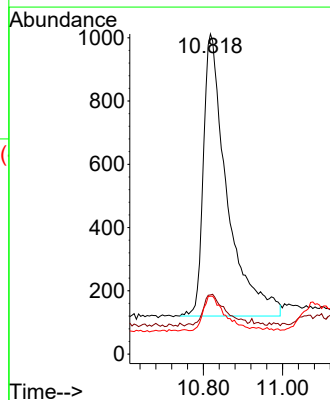
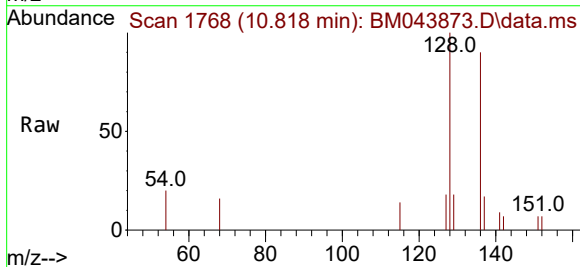
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

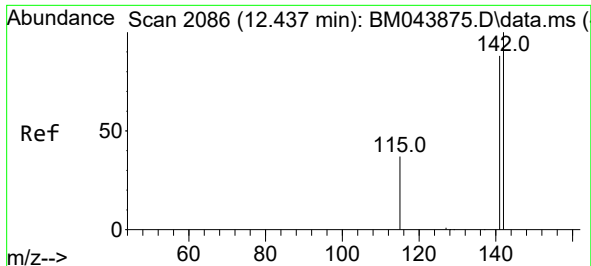
Tgt Ion: 88 Resp: 742
Ion Ratio Lower Upper
88 100
43 89.8 32.2 48.4#
58 35.6 40.2 60.4#



#5
Naphthalene
Concen: 0.112 ng/ul
RT: 10.818 min Scan# 1768
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion: 128 Resp: 3688
Ion Ratio Lower Upper
128 100
129 18.5 10.0 15.0#
127 18.1 11.4 17.0#

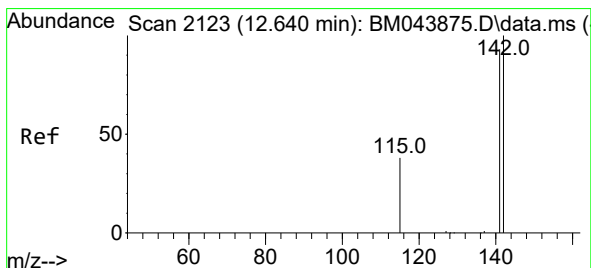
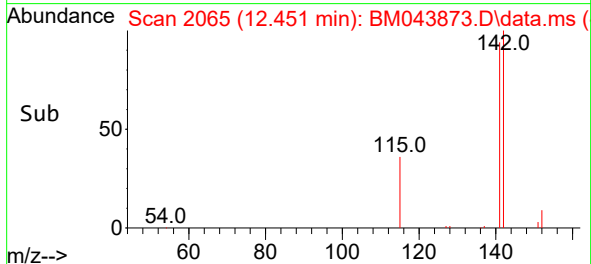
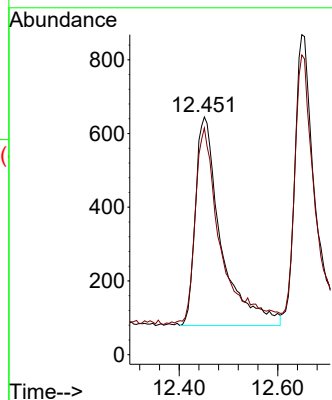
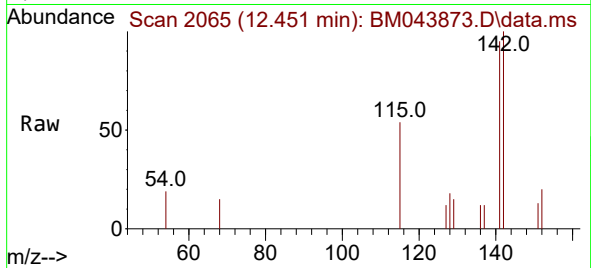




#7
2-Methylnaphthalene
Concen: 0.094 ng/ul
RT: 12.451 min Scan# 2086
Delta R.T. 0.014 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

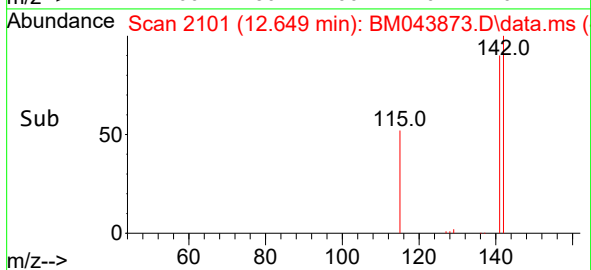
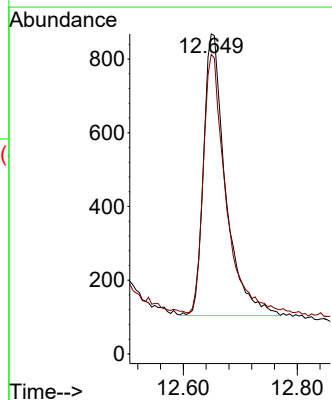
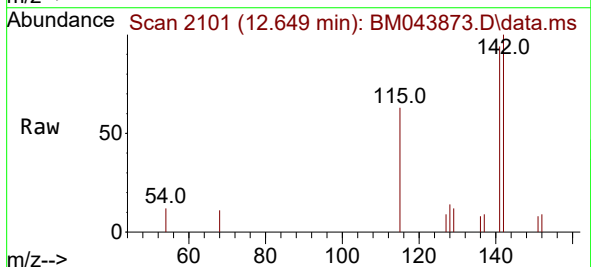
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

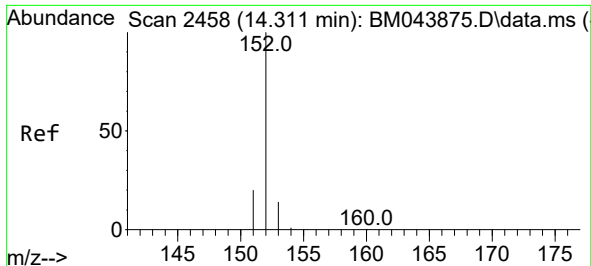
Tgt Ion:142 Resp: 2041
Ion Ratio Lower Upper
142 100
141 94.6 73.0 109.4



#8
1-Methylnaphthalene
Concen: 0.094 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. 0.009 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:142 Resp: 2053
Ion Ratio Lower Upper
142 100
141 92.3 74.6 111.8

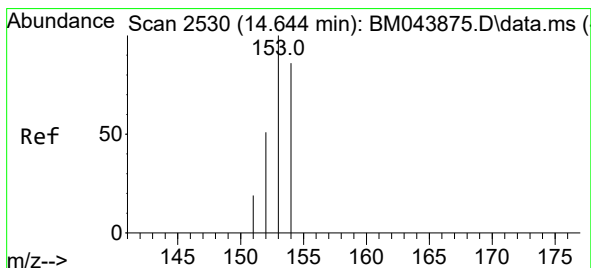
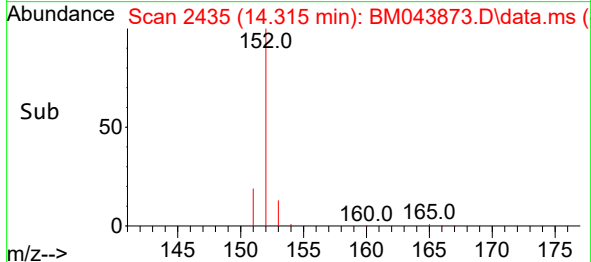
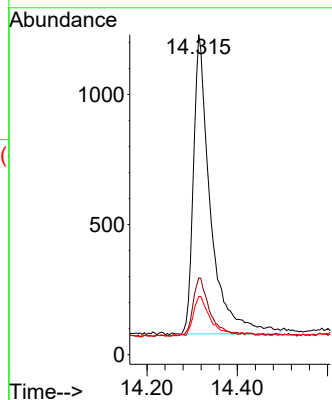
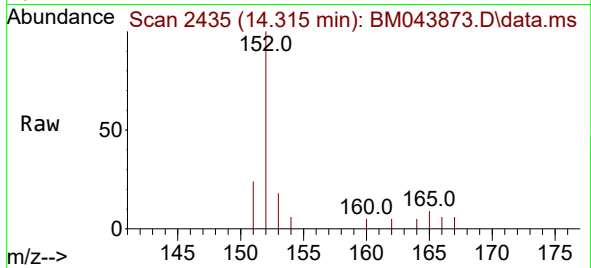




#10
Acenaphthylene
Concen: 0.102 ng/ul
RT: 14.315 min Scan# 2458
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

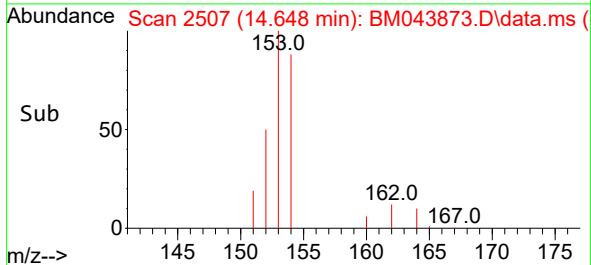
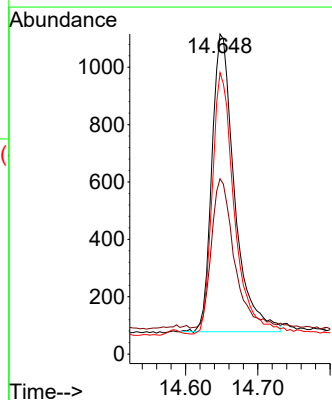
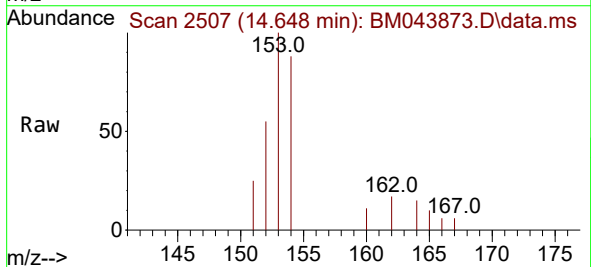
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

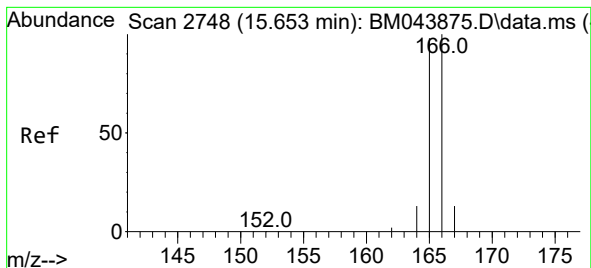
Tgt Ion:152 Resp: 3008
Ion Ratio Lower Upper
152 100
151 24.0 16.6 24.8
153 18.2 11.7 17.5#



#11
Acenaphthene
Concen: 0.105 ng/ul
RT: 14.648 min Scan# 2507
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:153 Resp: 2259
Ion Ratio Lower Upper
153 100
152 54.7 42.1 63.1
154 87.9 69.0 103.6





#12

Fluorene

Concen: 0.095 ng/ul

RT: 15.661 min Scan# 21

Delta R.T. 0.008 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.1043

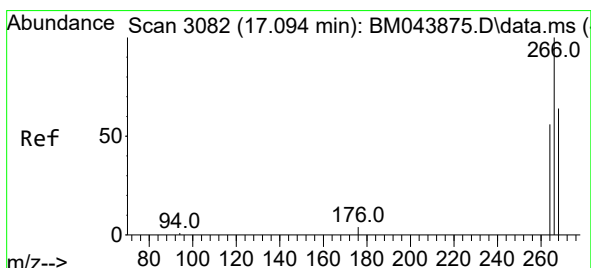
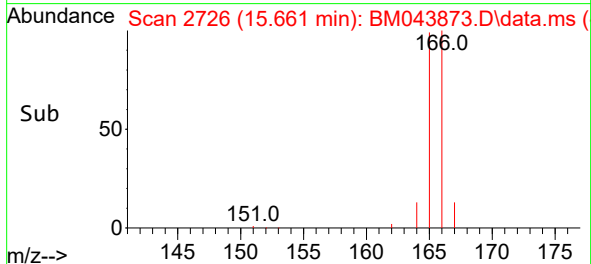
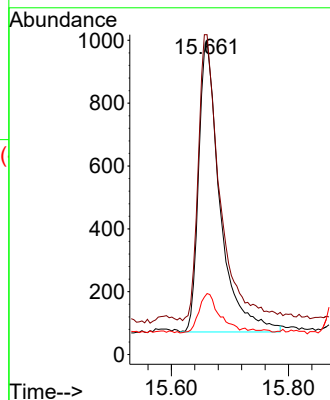
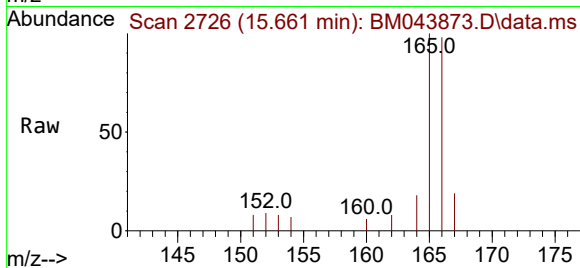
Tgt Ion:166 Resp: 2343

Ion Ratio Lower Upper

166 100

165 102.1 79.2 118.8

167 19.5 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.059 ng/ul

RT: 17.054 min Scan# 3049

Delta R.T. -0.039 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

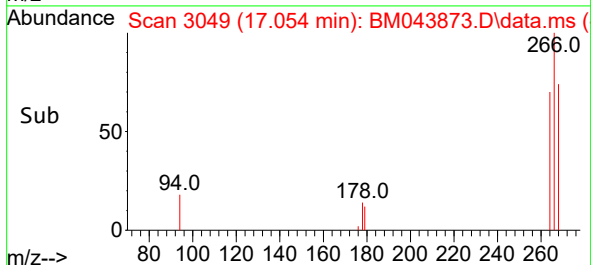
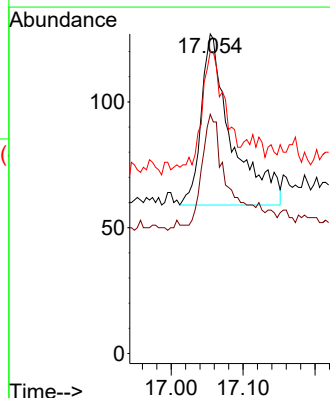
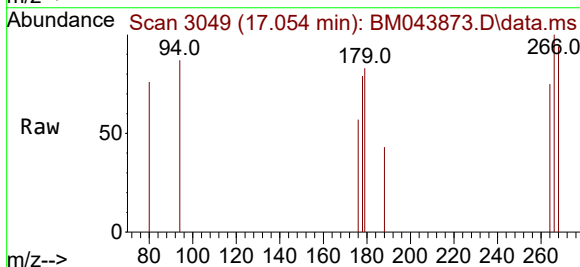
Tgt Ion:266 Resp: 200

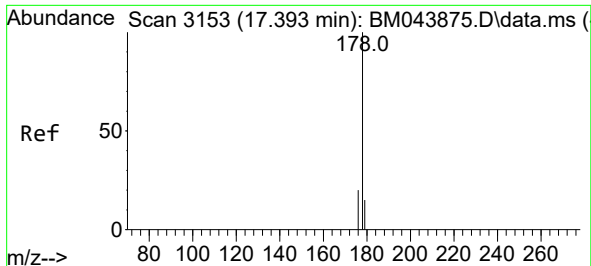
Ion Ratio Lower Upper

266 100

264 58.0 39.8 59.6

268 73.0 45.6 68.4#

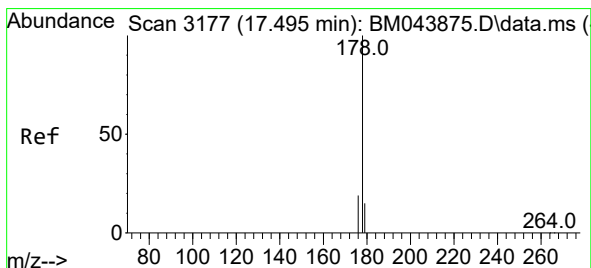
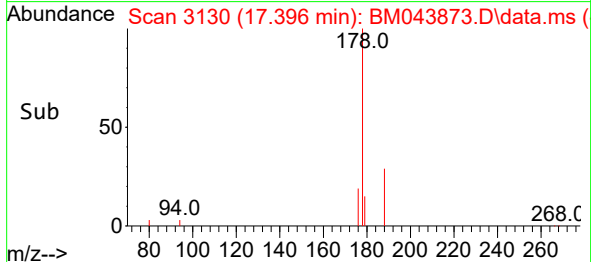
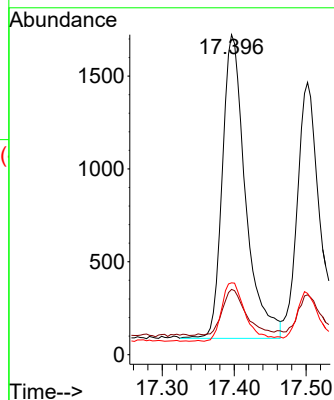
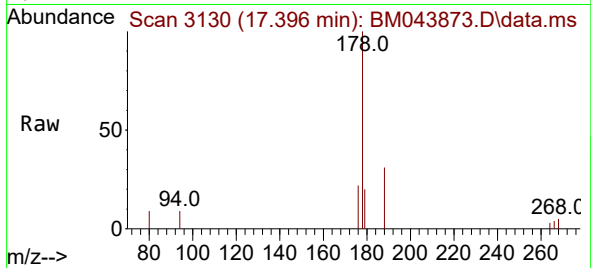




#15
Phenanthrene
Concen: 0.107 ng/ul
RT: 17.396 min Scan# 3153
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

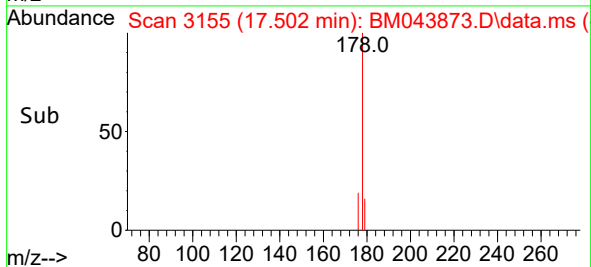
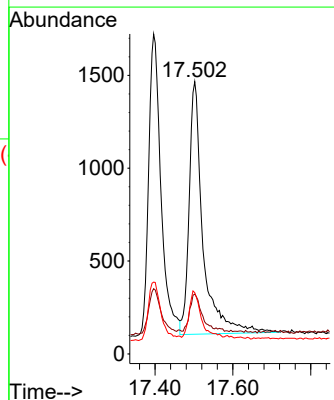
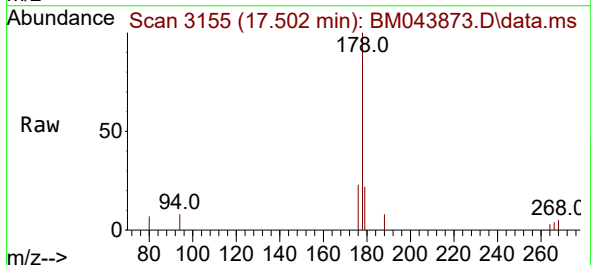
Instrument :
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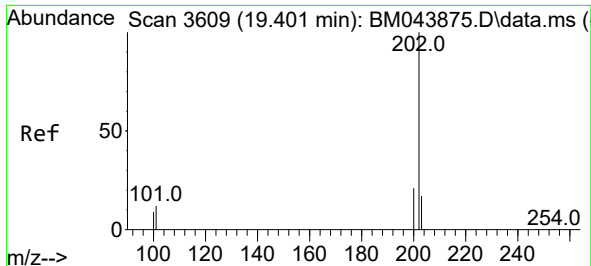
Tgt Ion:178 Resp: 3652
Ion Ratio Lower Upper
178 100
179 20.4 13.0 19.6#
176 22.5 16.4 24.6



#16
Anthracene
Concen: 0.103 ng/ul
RT: 17.502 min Scan# 3155
Delta R.T. 0.007 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:178 Resp: 3365
Ion Ratio Lower Upper
178 100
179 22.0 13.2 19.8#
176 22.5 16.2 24.2

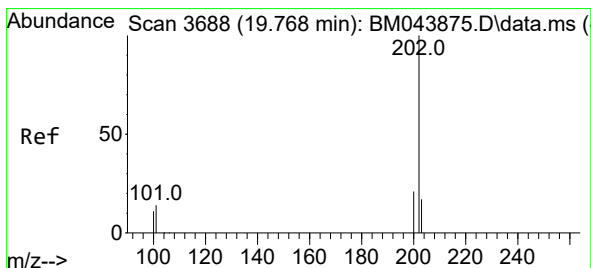
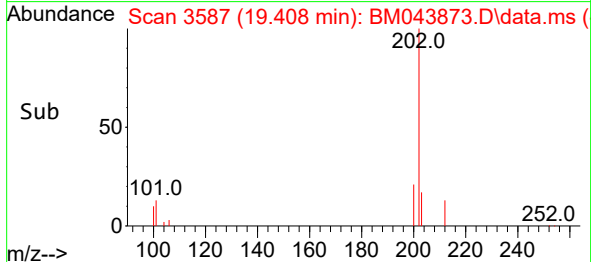
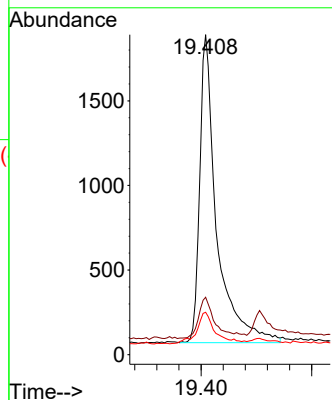
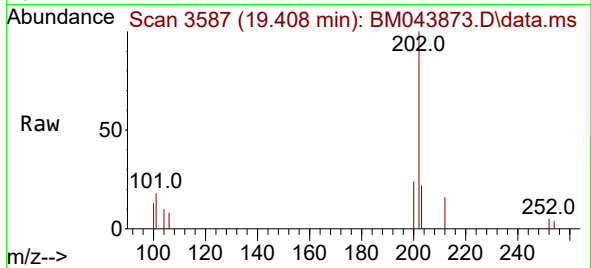




#19
Fluoranthene
Concen: 0.113 ng/ul
RT: 19.408 min Scan# 3
Delta R.T. 0.007 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

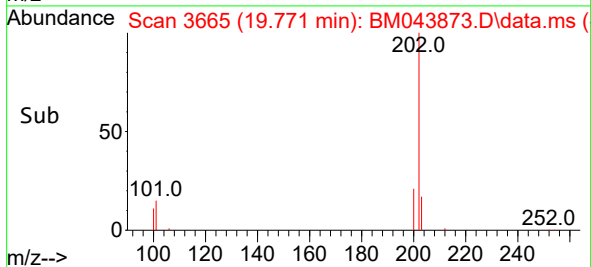
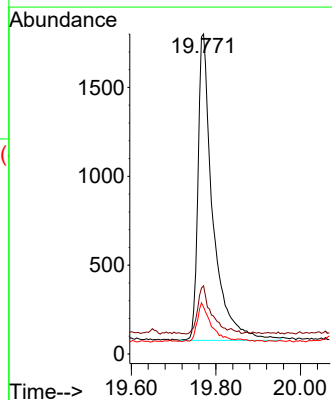
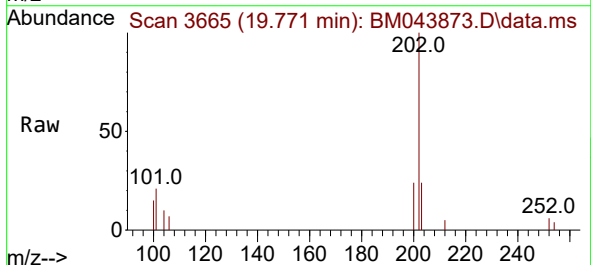
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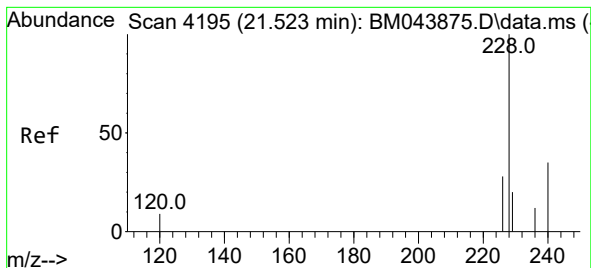
Tgt Ion:202 Resp: 3871
Ion Ratio Lower Upper
202 100
101 17.9 10.1 15.1#
100 13.2 8.0 12.0#



#20
Pyrene
Concen: 0.117 ng/ul
RT: 19.771 min Scan# 3665
Delta R.T. 0.003 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:202 Resp: 4189
Ion Ratio Lower Upper
202 100
101 21.3 11.9 17.9#
100 14.7 9.5 14.3#





#21

Benzo(a)anthracene

Concen: 0.086 ng/ul

RT: 21.539 min Scan# 41

Delta R.T. 0.016 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.1043

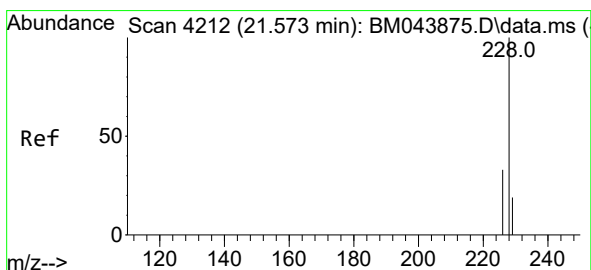
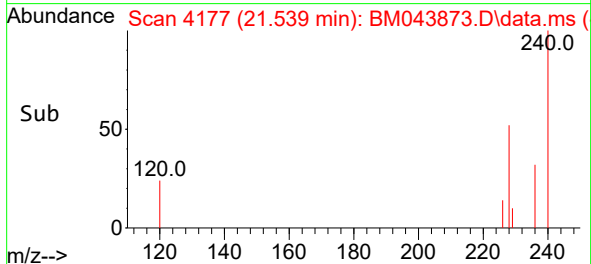
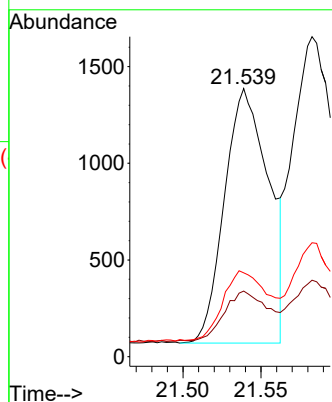
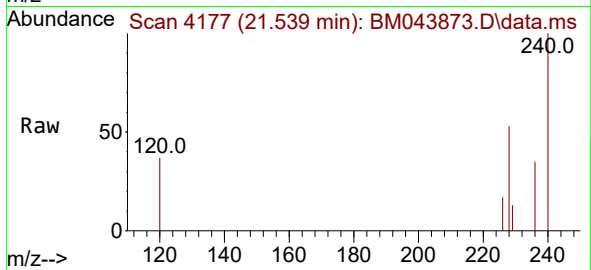
Tgt Ion:228 Resp: 2586

Ion Ratio Lower Upper

228 100

229 24.4 16.5 24.7

226 31.2 23.1 34.7



#22

Chrysene

Concen: 0.124 ng/ul

RT: 21.583 min Scan# 4192

Delta R.T. 0.010 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

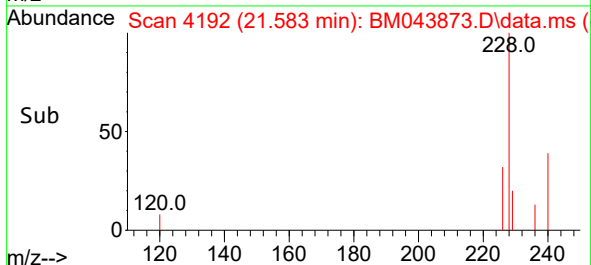
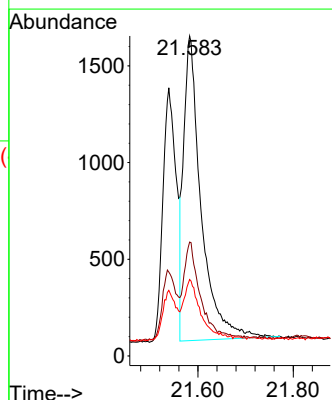
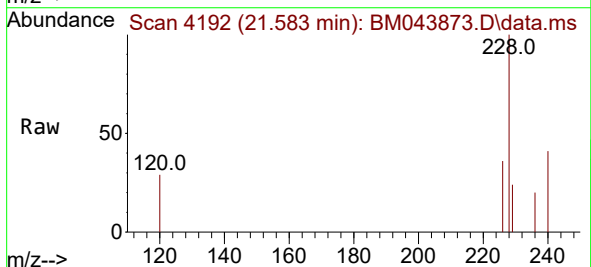
Tgt Ion:228 Resp: 4014

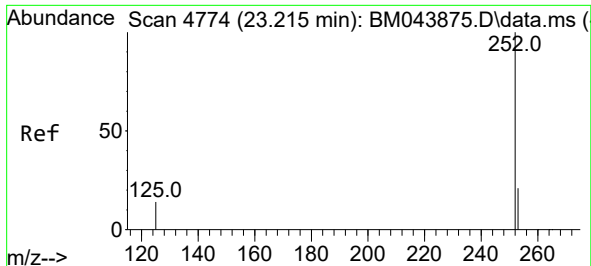
Ion Ratio Lower Upper

228 100

226 35.6 26.2 39.2

229 23.9 16.2 24.2

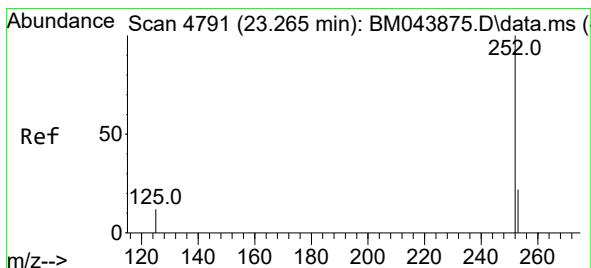
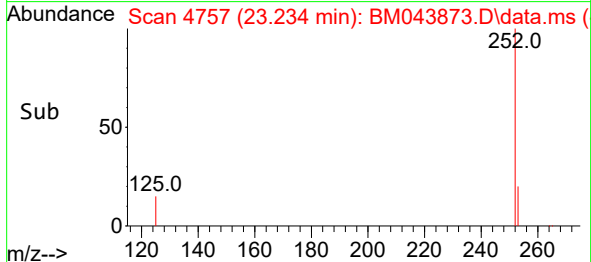
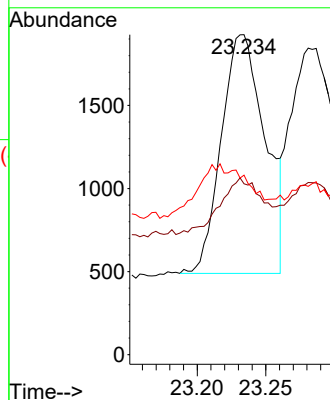
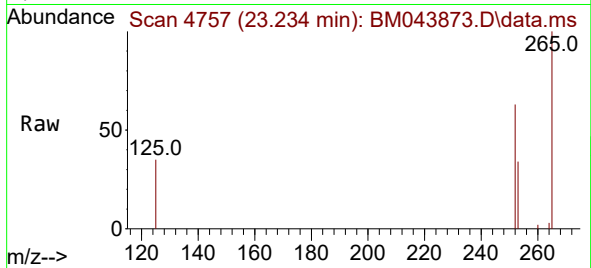




#24
Benzo(b)fluoranthene
Concen: 0.092 ng/ul
RT: 23.234 min Scan# 41
Delta R.T. 0.019 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

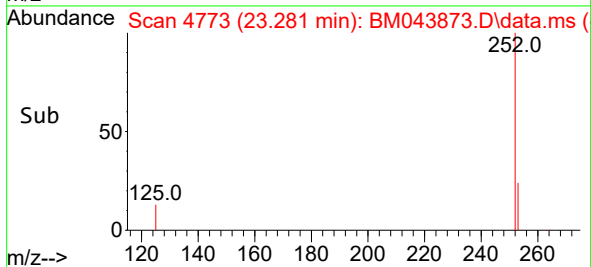
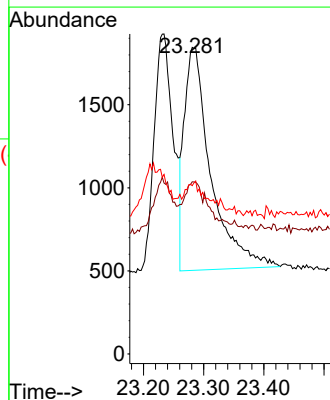
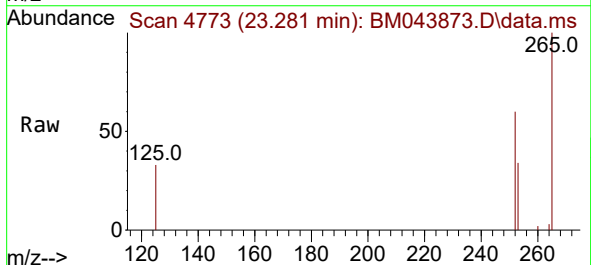
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

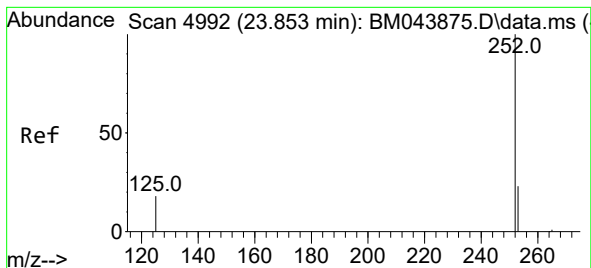
Tgt Ion:252 Resp: 3197
Ion Ratio Lower Upper
252 100
253 53.4 0.0 58.8
125 56.1 0.0 47.2#



#25
Benzo(k)fluoranthene
Concen: 0.107 ng/ul
RT: 23.281 min Scan# 4773
Delta R.T. 0.016 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:252 Resp: 4119
Ion Ratio Lower Upper
252 100
253 56.2 24.2 36.2#
125 54.9 17.9 26.9#





#26

Benzo(a)pyrene

Concen: 0.107 ng/ul

RT: 23.877 min Scan# 4992

Delta R.T. 0.024 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.1043

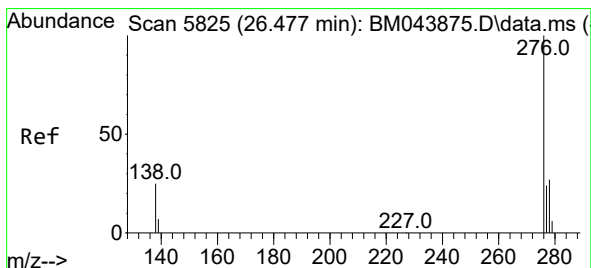
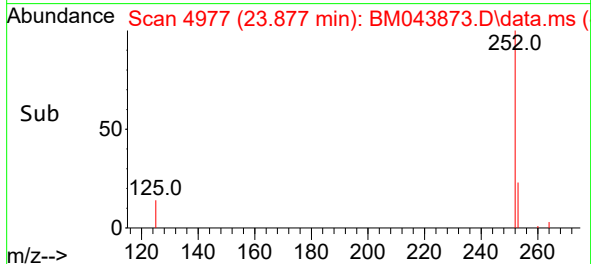
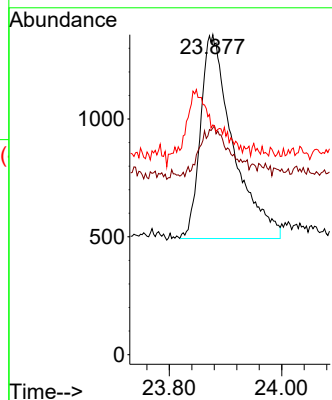
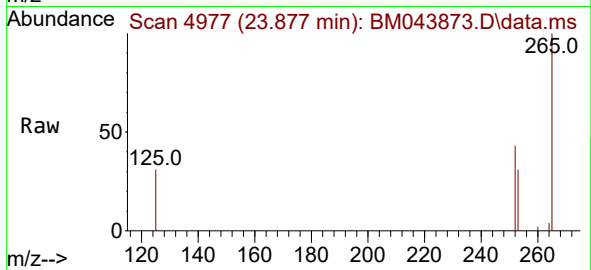
Tgt Ion:252 Resp: 3479

Ion Ratio Lower Upper

252 100

253 70.8 28.6 42.8#

125 71.8 26.9 40.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.103 ng/ul

RT: 26.526 min Scan# 5816

Delta R.T. 0.049 min

Lab File: BM043873.D

Acq: 19 Jan 2024 15:42

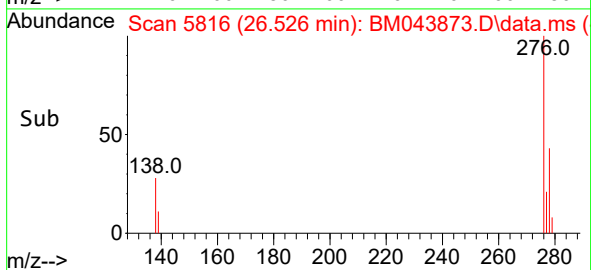
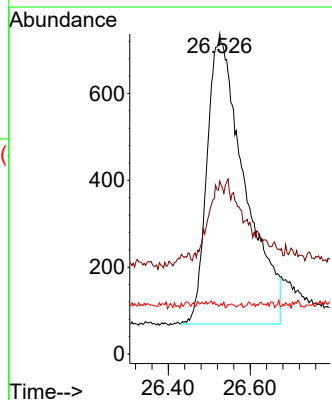
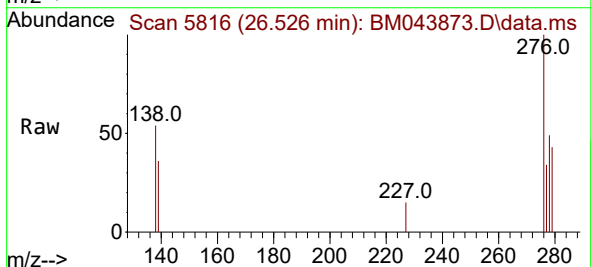
Tgt Ion:276 Resp: 4228

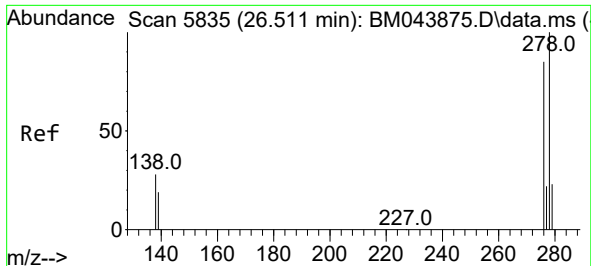
Ion Ratio Lower Upper

276 100

138 0.0 24.6 36.8#

227 0.1 0.1 0.1

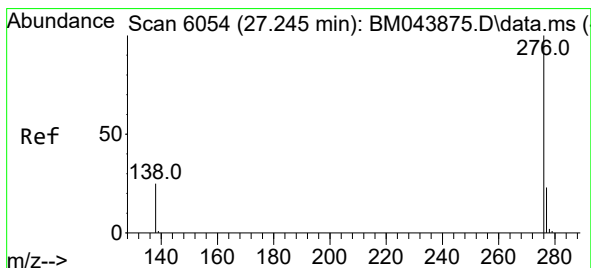
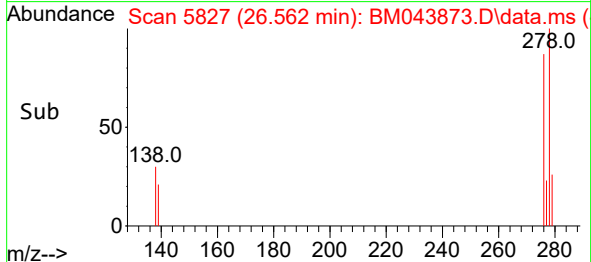
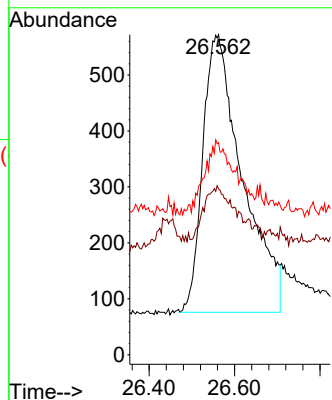
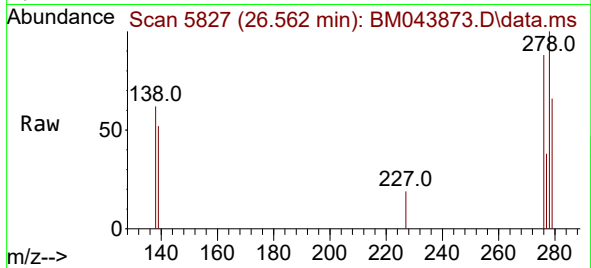




#28
Dibenzo(a,h)anthracene
Concen: 0.100 ng/ul
RT: 26.562 min Scan# 51
Delta R.T. 0.052 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

Tgt Ion:278 Resp: 3200
Ion Ratio Lower Upper
278 100
139 51.7 21.1 31.7#
279 66.3 25.8 38.6#



#29
Benzo(g,h,i)perylene
Concen: 0.115 ng/ul
RT: 27.277 min Scan# 6040
Delta R.T. 0.032 min
Lab File: BM043873.D
Acq: 19 Jan 2024 15:42

Tgt Ion:276 Resp: 3951
Ion Ratio Lower Upper
276 100
138 50.7 24.0 36.0#
277 32.7 20.6 31.0#

