

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122823\
 Data File : BM043643.D
 Acq On : 28 Dec 2023 17:48
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4171

Quant Time: Dec 28 22:59:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 22:58:31 2023
 Response via : Initial Calibration

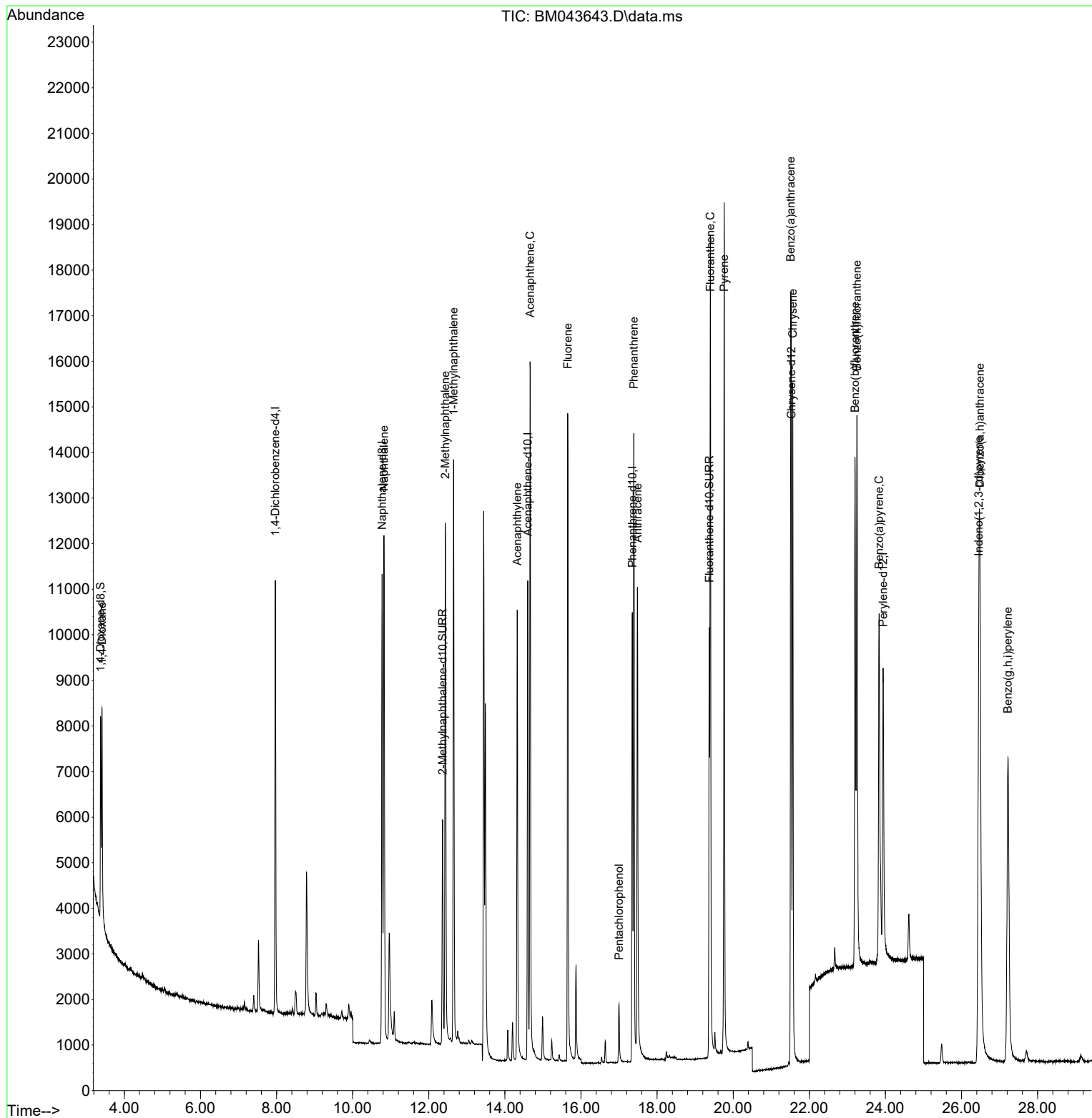
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	5035	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	14558	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.601	164	6269	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.350	188	12352	0.400	ng/ul #	0.00
17) Chrysene-d12	21.527	240	8525	0.400	ng/ul #	0.00
23) Perylene-d12	23.939	264	10210	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	2743	0.431	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.363	152	7283	0.353	ng/ul	0.00
18) Fluoranthene-d10	19.371	212	9992	0.328	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.414	88	2999	0.470	ng/ul	91
5) Naphthalene	10.823	128	16483	0.377	ng/ul	99
7) 2-Methylnaphthalene	12.434	142	9410	0.333	ng/ul	99
8) 1-Methylnaphthalene	12.654	142	9423	0.333	ng/ul	99
10) Acenaphthylene	14.324	152	12783	0.370	ng/ul	99
11) Acenaphthene	14.661	153	9671	0.385	ng/ul	98
12) Fluorene	15.651	166	10243	0.360	ng/ul	99
14) Pentachlorophenol	16.999	266	1095	0.400	ng/ul	97
15) Phenanthrene	17.388	178	15341	0.372	ng/ul	99
16) Anthracene	17.485	178	14342	0.383	ng/ul	99
19) Fluoranthene	19.399	202	15673	0.326	ng/ul#	90
20) Pyrene	19.761	202	16456	0.345	ng/ul#	91
21) Benzo(a)anthracene	21.512	228	13481	0.360	ng/ul	99
22) Chrysene	21.565	228	14834	0.375	ng/ul	99
24) Benzo(b)fluoranthene	23.202	252	15212	0.328	ng/ul	92
25) Benzo(k)fluoranthene	23.251	252	17173	0.357	ng/ul#	90
26) Benzo(a)pyrene	23.833	252	14233	0.372	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.454	276	19712	0.453	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.481	278	16306	0.473	ng/ul#	92
29) Benzo(g,h,i)perylene	27.219	276	16527	0.445	ng/ul	95

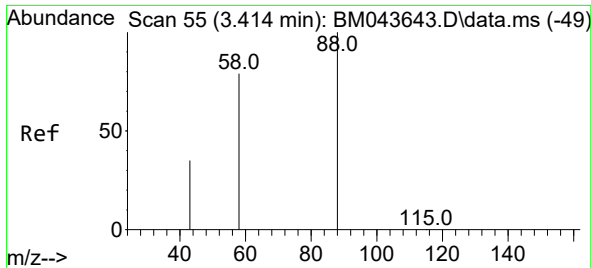
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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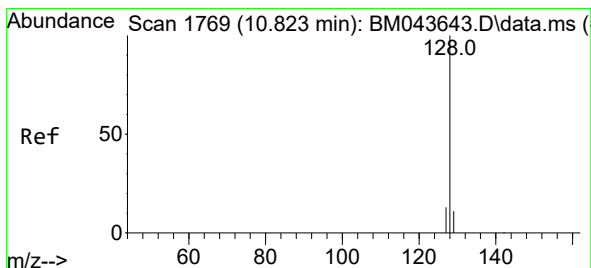
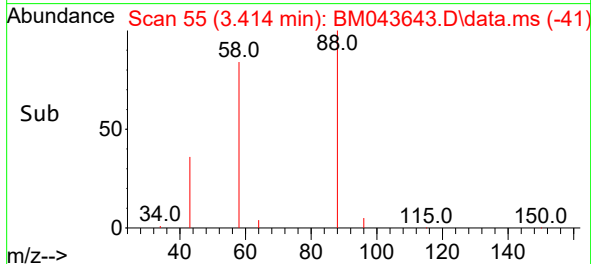
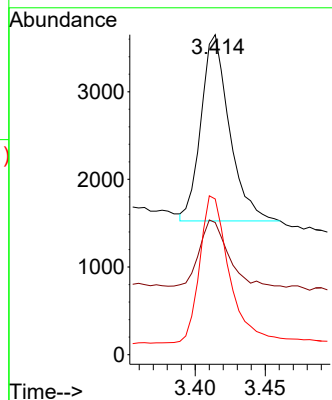
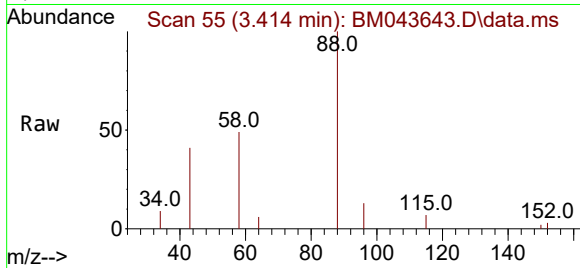




#2
1,4-Dioxane
Concen: 0.470 ng/ul
RT: 3.414 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

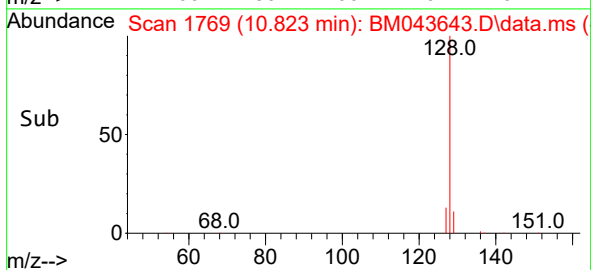
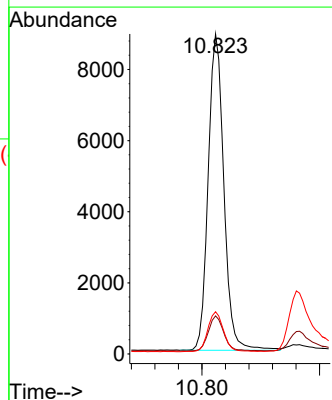
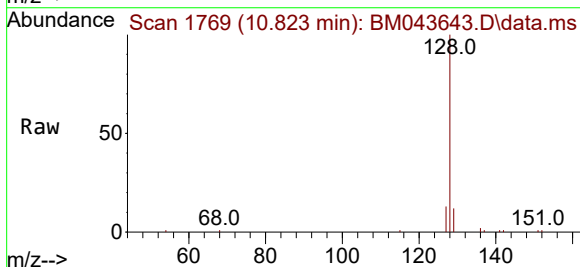
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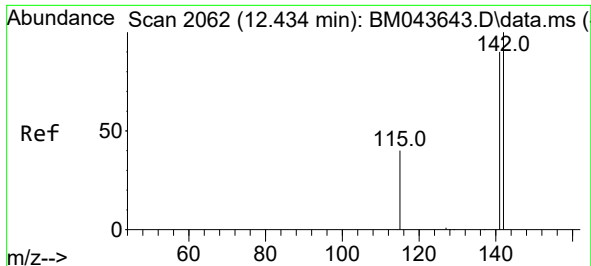
Tgt Ion: 88 Resp: 2999
Ion Ratio Lower Upper
88 100
43 41.3 27.9 41.9
58 48.6 43.4 65.2



#5
Naphthalene
Concen: 0.377 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion: 128 Resp: 16483
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 13.2 10.3 15.5

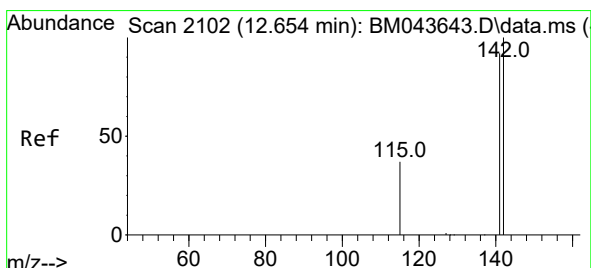
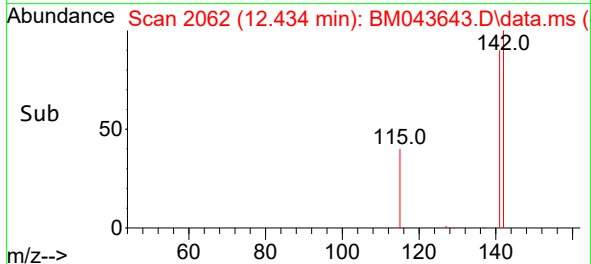
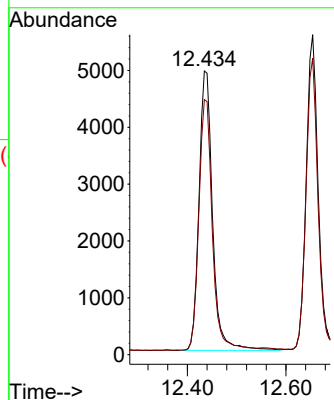
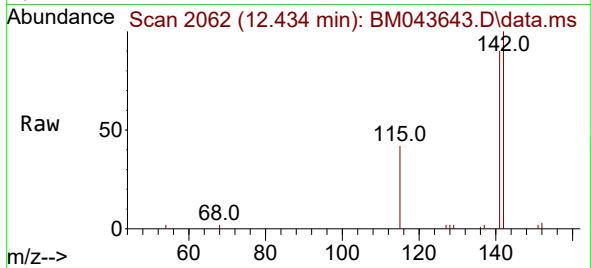




#7
2-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.434 min Scan# 2062
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

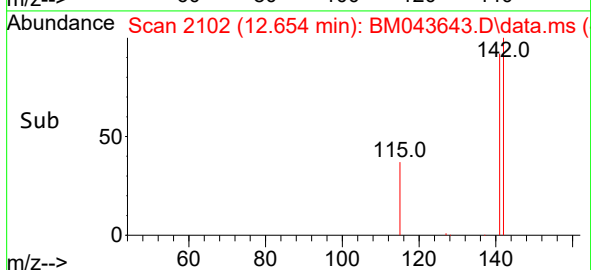
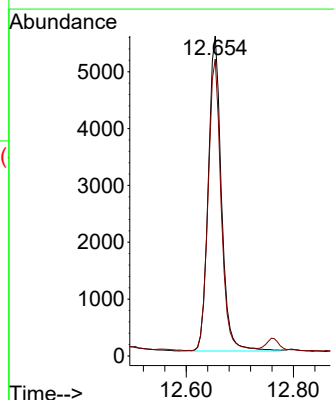
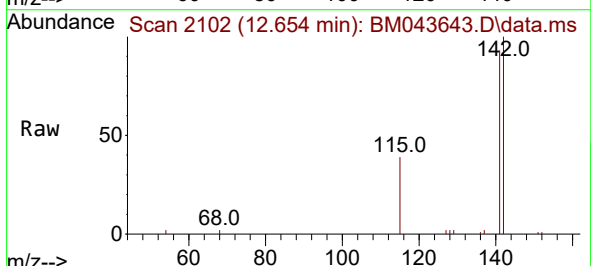
Instrument :
BNA_M
ClientSampleId :
SSTD0.4171

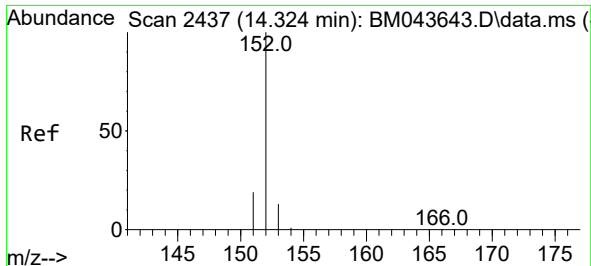
Tgt Ion:142 Resp: 9410
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.654 min Scan# 2102
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:142 Resp: 9423
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5

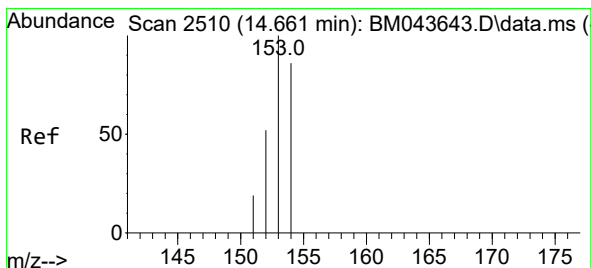
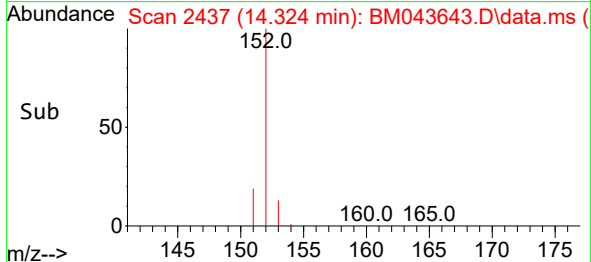
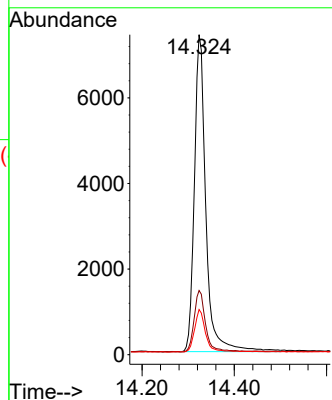
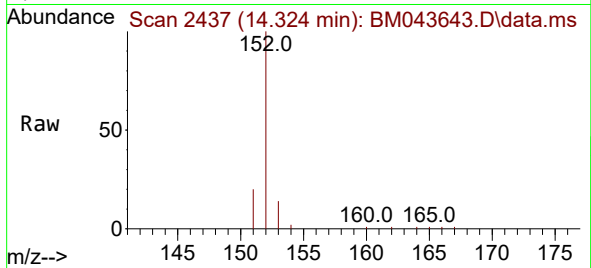




#10
Acenaphthylene
Concen: 0.370 ng/ul
RT: 14.324 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

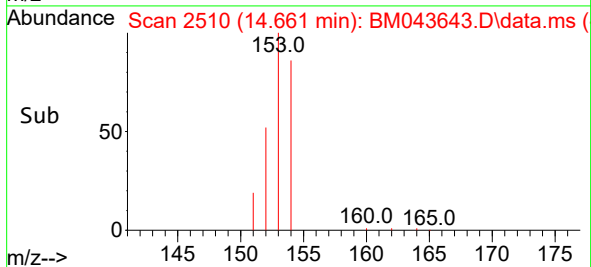
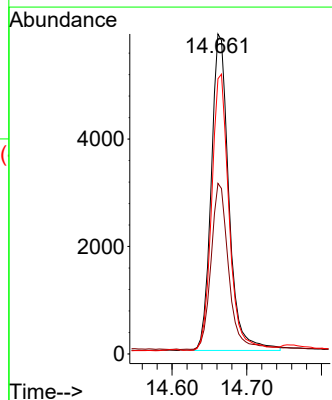
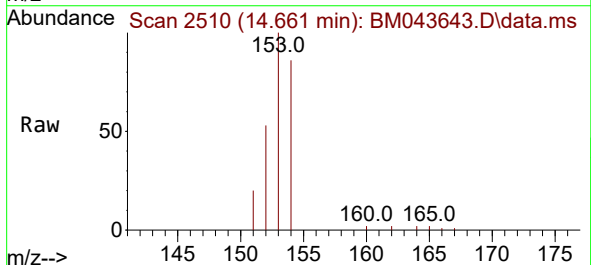
Instrument :
BNA_M
ClientSampleId :
SSTD0.4171

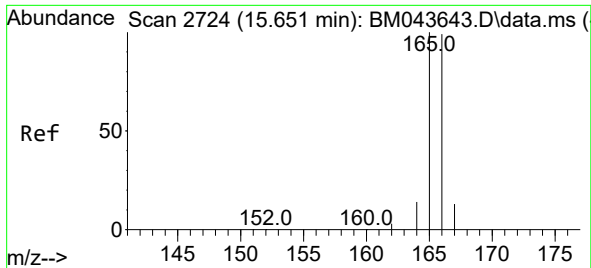
Tgt Ion:152 Resp: 12783
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 14.1 10.4 15.6



#11
Acenaphthene
Concen: 0.385 ng/ul
RT: 14.661 min Scan# 2510
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:153 Resp: 9671
Ion Ratio Lower Upper
153 100
152 53.3 42.1 63.1
154 86.0 71.3 106.9

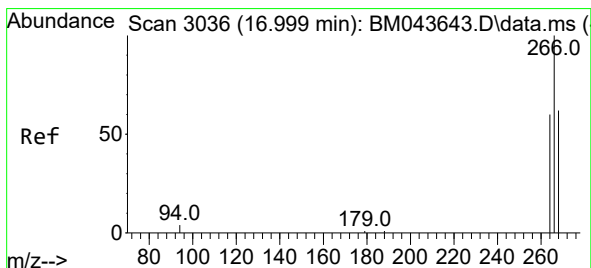
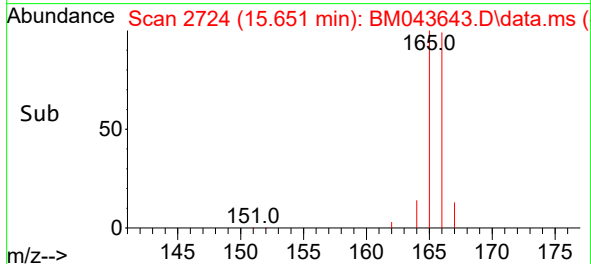
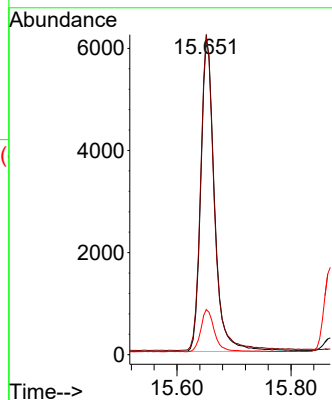
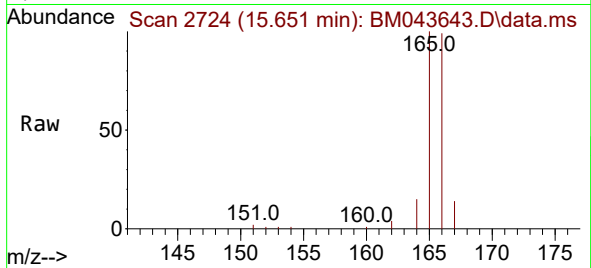




#12
Fluorene
Concen: 0.360 ng/ul
RT: 15.651 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

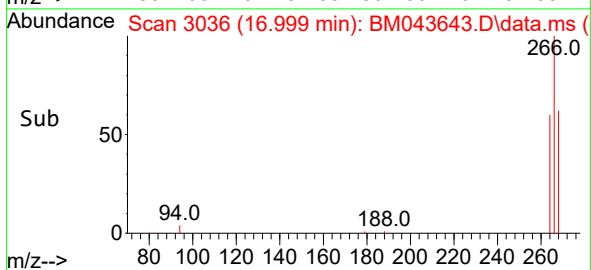
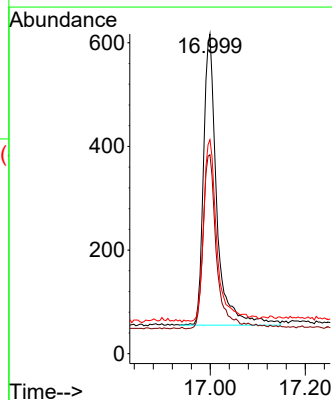
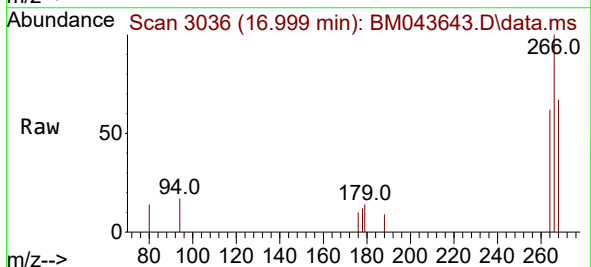
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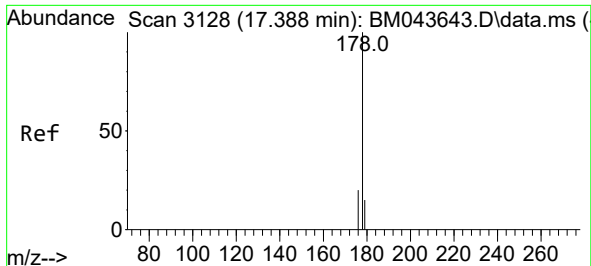
Tgt Ion:166 Resp: 10243
Ion Ratio Lower Upper
166 100
165 101.0 80.3 120.5
167 14.2 10.8 16.2



#14
Pentachlorophenol
Concen: 0.400 ng/ul
RT: 16.999 min Scan# 3036
Delta R.T. -0.004 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:266 Resp: 1095
Ion Ratio Lower Upper
266 100
264 61.6 51.7 77.5
268 62.5 51.9 77.9

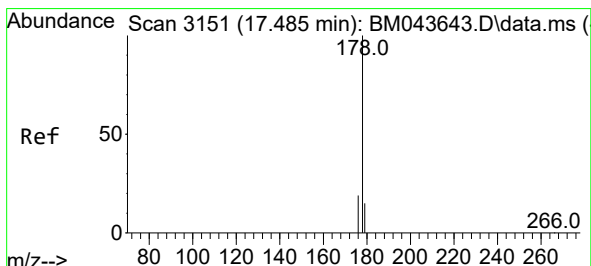
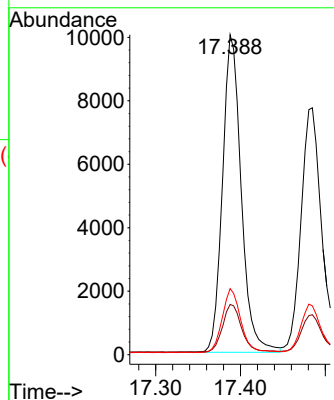
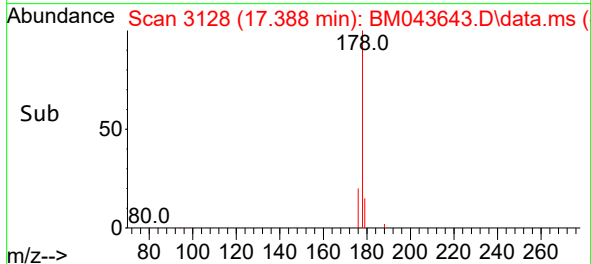
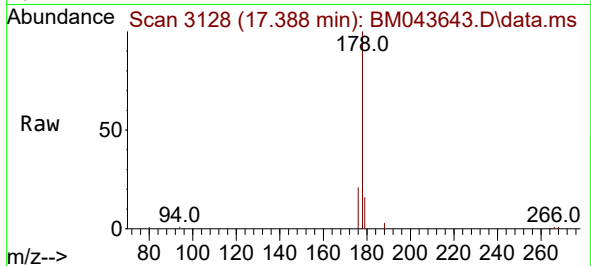




#15
Phenanthrene
Concen: 0.372 ng/ul
RT: 17.388 min Scan# 3128
Delta R.T. -0.004 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

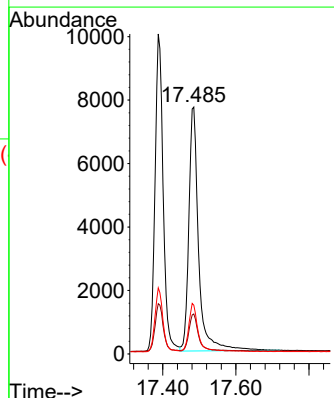
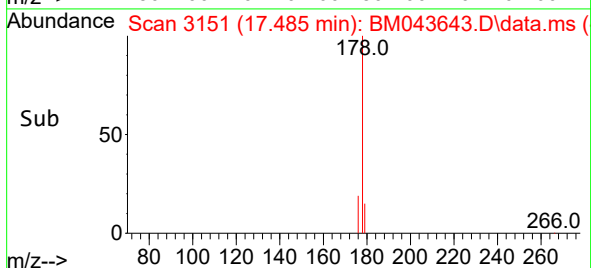
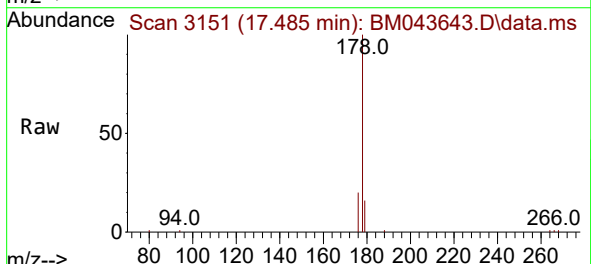
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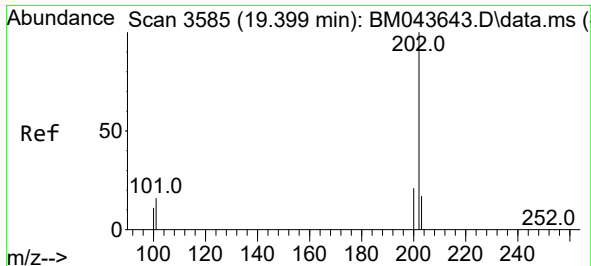
Tgt Ion:178 Resp: 15341
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 20.7 16.2 24.2



#16
Anthracene
Concen: 0.383 ng/ul
RT: 17.485 min Scan# 3151
Delta R.T. -0.004 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:178 Resp: 14342
Ion Ratio Lower Upper
178 100
179 16.2 12.6 18.8
176 19.7 15.6 23.4

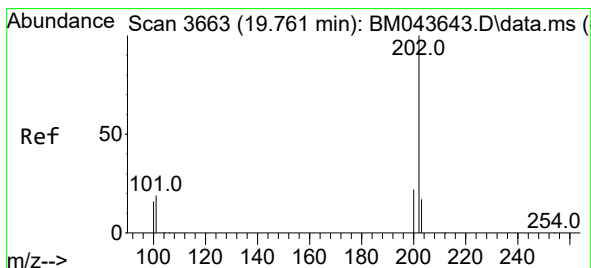
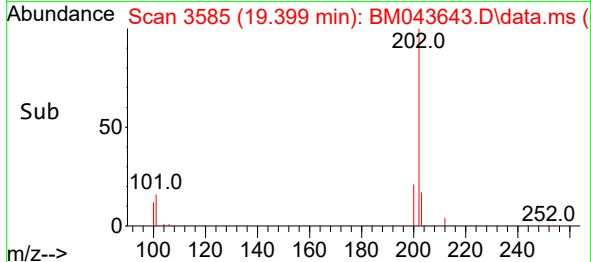
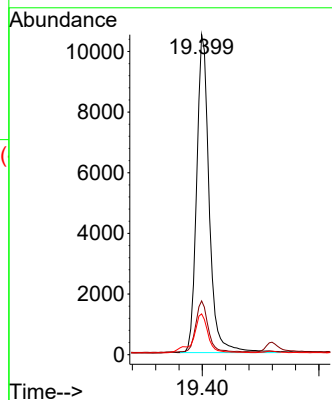
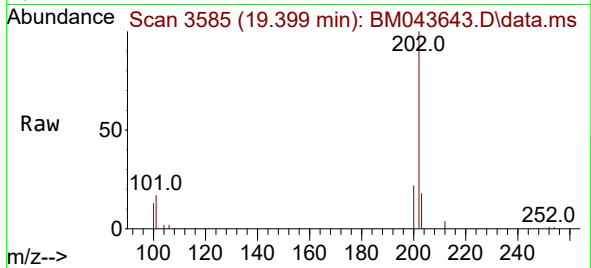




#19
Fluoranthene
Concen: 0.326 ng/ul
RT: 19.399 min Scan# 3585
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

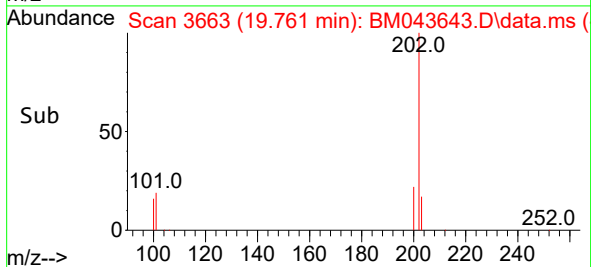
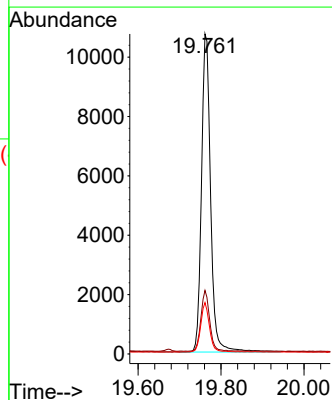
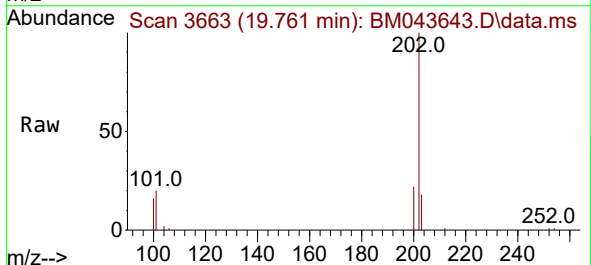
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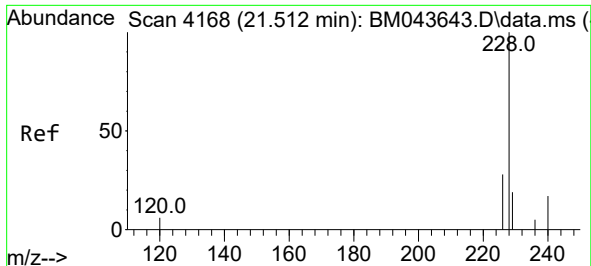
Tgt Ion:202 Resp: 15673
Ion Ratio Lower Upper
202 100
101 16.8 10.1 15.1#
100 12.8 7.4 11.2#



#20
Pyrene
Concen: 0.345 ng/ul
RT: 19.761 min Scan# 3663
Delta R.T. -0.005 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:202 Resp: 16456
Ion Ratio Lower Upper
202 100
101 19.8 12.7 19.1#
100 16.1 9.8 14.8#

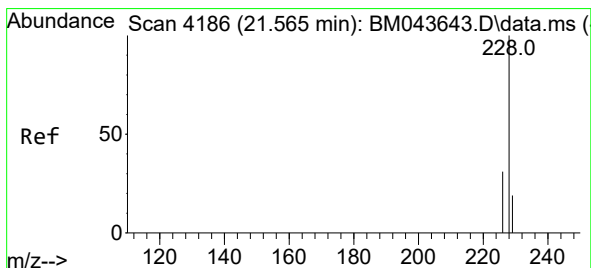
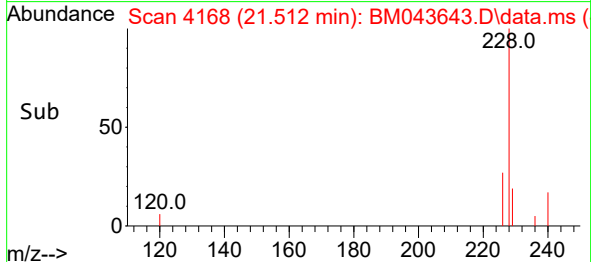
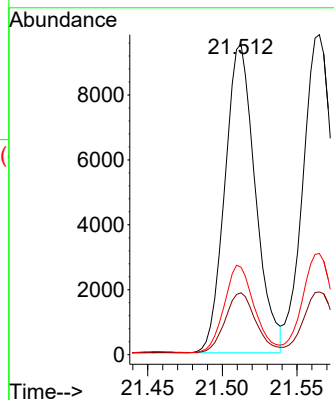
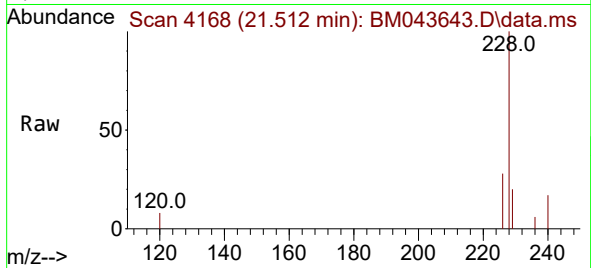




#21
Benzo(a)anthracene
Concen: 0.360 ng/ul
RT: 21.512 min Scan# 4168
Delta R.T. 0.000 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

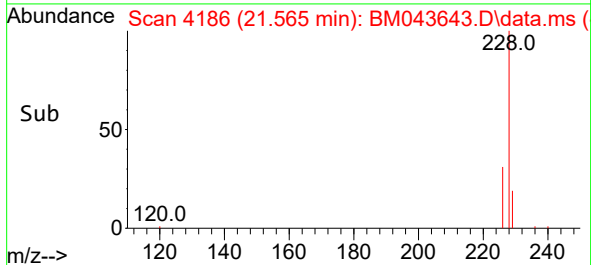
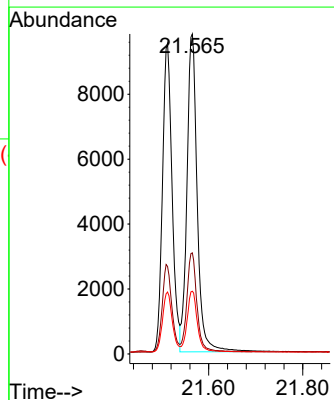
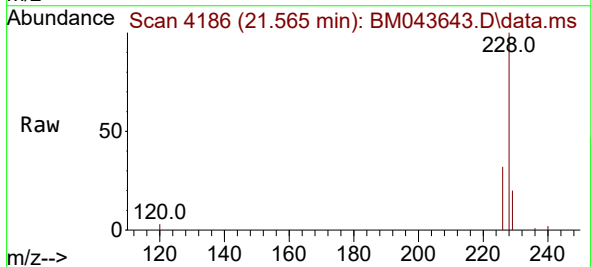
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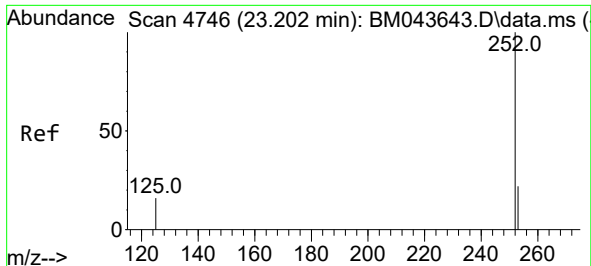
Tgt Ion:228 Resp: 13481
Ion Ratio Lower Upper
228 100
229 19.9 15.5 23.3
226 28.2 22.6 34.0



#22
Chrysene
Concen: 0.375 ng/ul
RT: 21.565 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:228 Resp: 14834
Ion Ratio Lower Upper
228 100
226 31.6 24.8 37.2
229 19.6 15.7 23.5

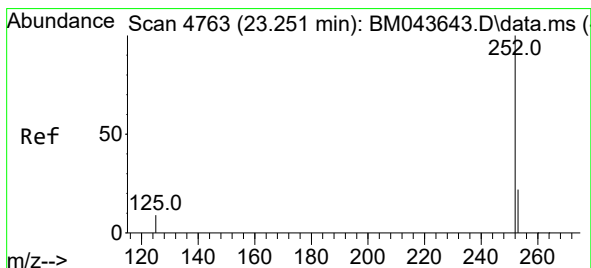
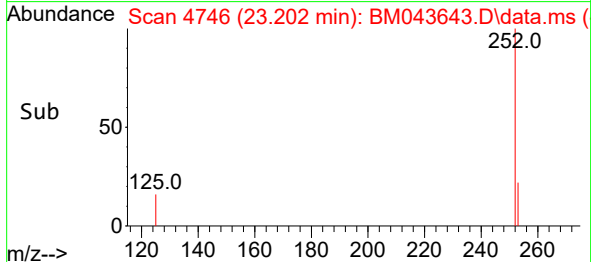
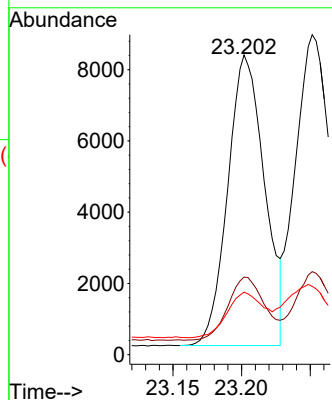
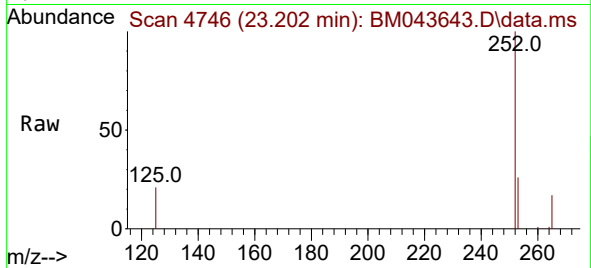




#24
Benzo(b)fluoranthene
Concen: 0.328 ng/ul
RT: 23.202 min Scan# 4746
Delta R.T. -0.003 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

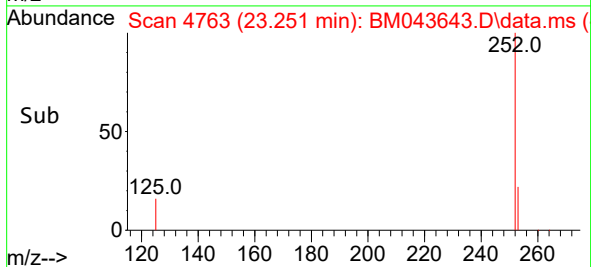
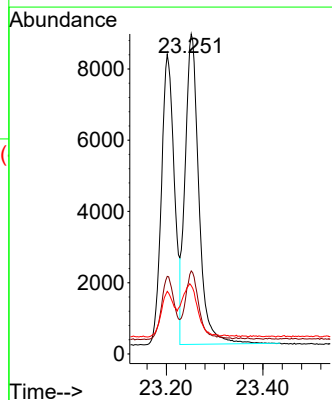
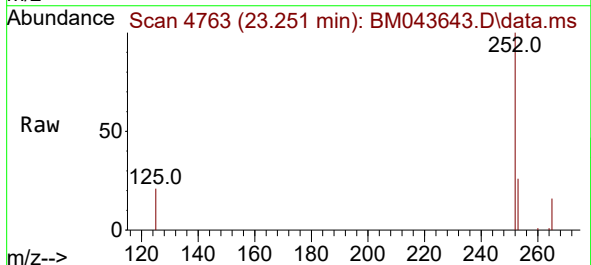
Instrument :
BNA_M
ClientSampleId :
SSTD0.4171

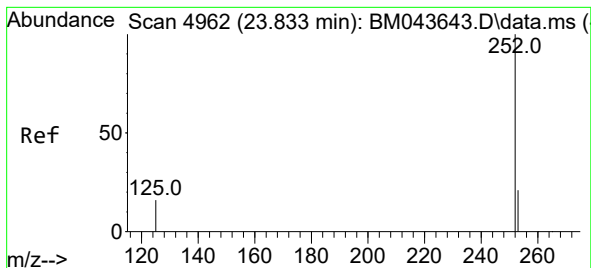
Tgt Ion:252 Resp: 15212
Ion Ratio Lower Upper
252 100
253 25.9 0.0 48.8
125 20.9 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.357 ng/ul
RT: 23.251 min Scan# 4763
Delta R.T. -0.003 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:252 Resp: 17173
Ion Ratio Lower Upper
252 100
253 26.0 18.6 28.0
125 21.4 11.8 17.8#





#26

Benzo(a)pyrene

Concen: 0.372 ng/ul

RT: 23.833 min Scan# 4962

Delta R.T. 0.000 min

Lab File: BM043643.D

Acq: 28 Dec 2023 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD0.4171

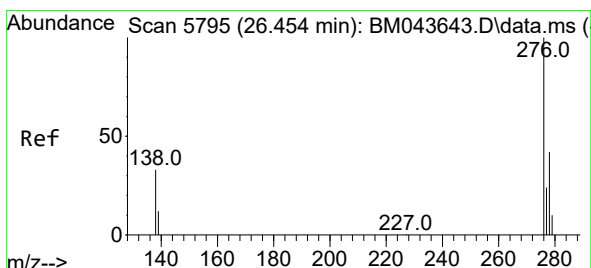
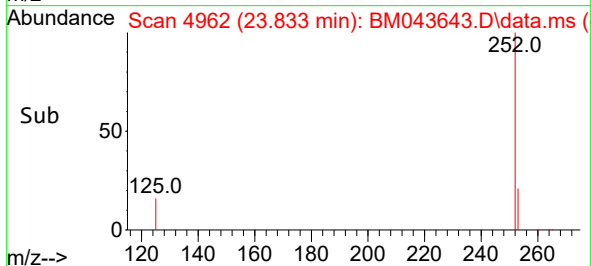
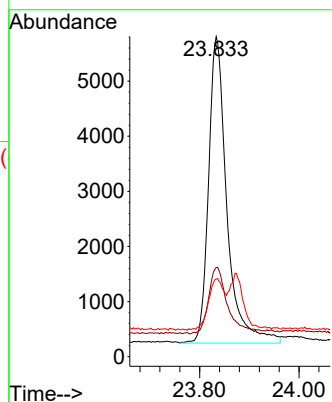
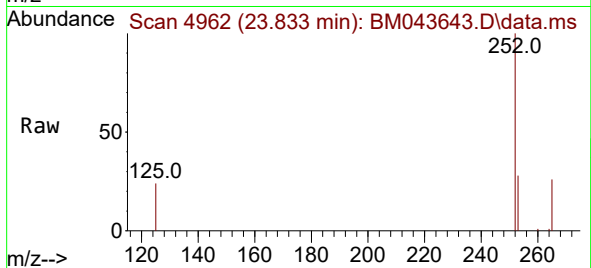
Tgt Ion:252 Resp: 14233

Ion Ratio Lower Upper

252 100

253 27.8 20.2 30.2

125 24.2 13.5 20.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.453 ng/ul

RT: 26.454 min Scan# 5795

Delta R.T. -0.004 min

Lab File: BM043643.D

Acq: 28 Dec 2023 17:48

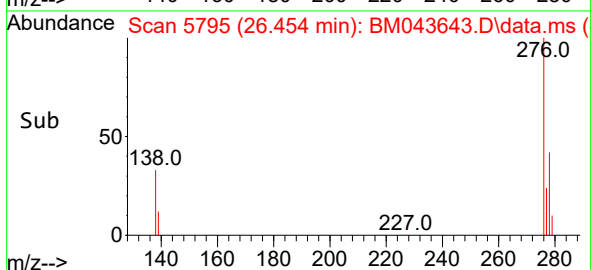
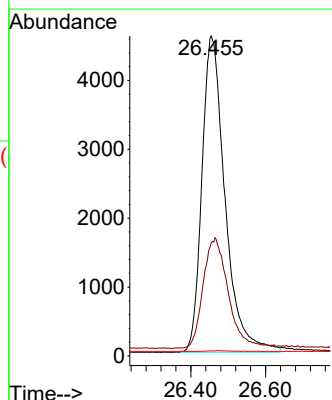
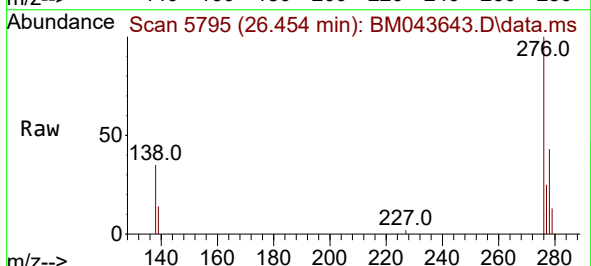
Tgt Ion:276 Resp: 19712

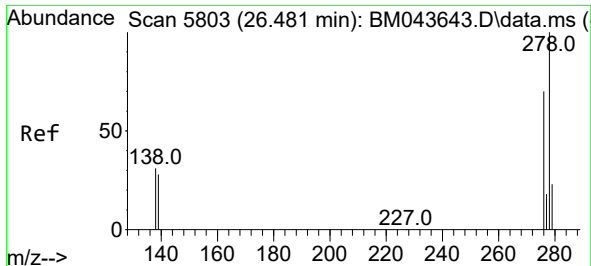
Ion Ratio Lower Upper

276 100

138 0.0 24.6 36.8#

227 0.1 0.0 0.0#

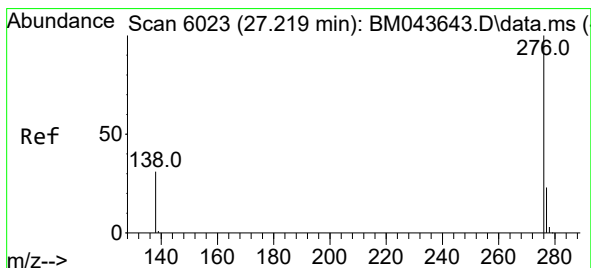
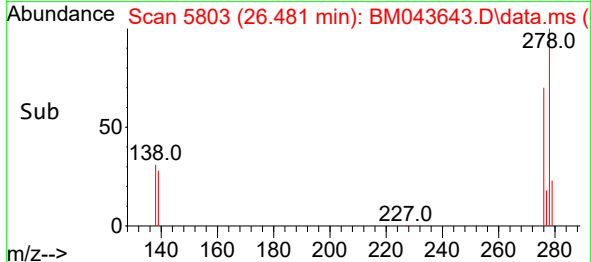
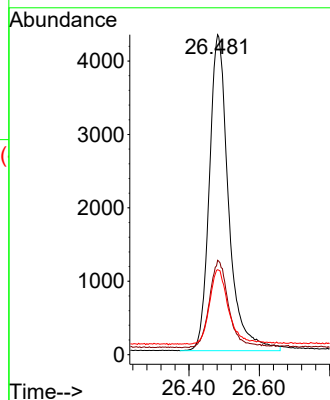
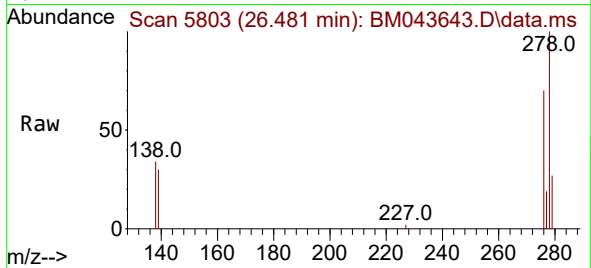




#28
Dibenzo(a,h)anthracene
Concen: 0.473 ng/ul
RT: 26.481 min Scan# 5803
Delta R.T. -0.000 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Instrument :
BNA_M
ClientSampleId :
SSTD0.4171

Tgt Ion:278 Resp: 16306
Ion Ratio Lower Upper
278 100
139 29.5 17.4 26.2#
279 26.6 20.9 31.3



#29
Benzo(g,h,i)perylene
Concen: 0.445 ng/ul
RT: 27.219 min Scan# 6023
Delta R.T. -0.004 min
Lab File: BM043643.D
Acq: 28 Dec 2023 17:48

Tgt Ion:276 Resp: 16527
Ion Ratio Lower Upper
276 100
138 33.5 23.1 34.7
277 24.7 19.4 29.0

