

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112723\
 Data File : BM043051.D
 Acq On : 27 Nov 2023 16:22
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4139

Quant Time: Nov 28 00:22:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

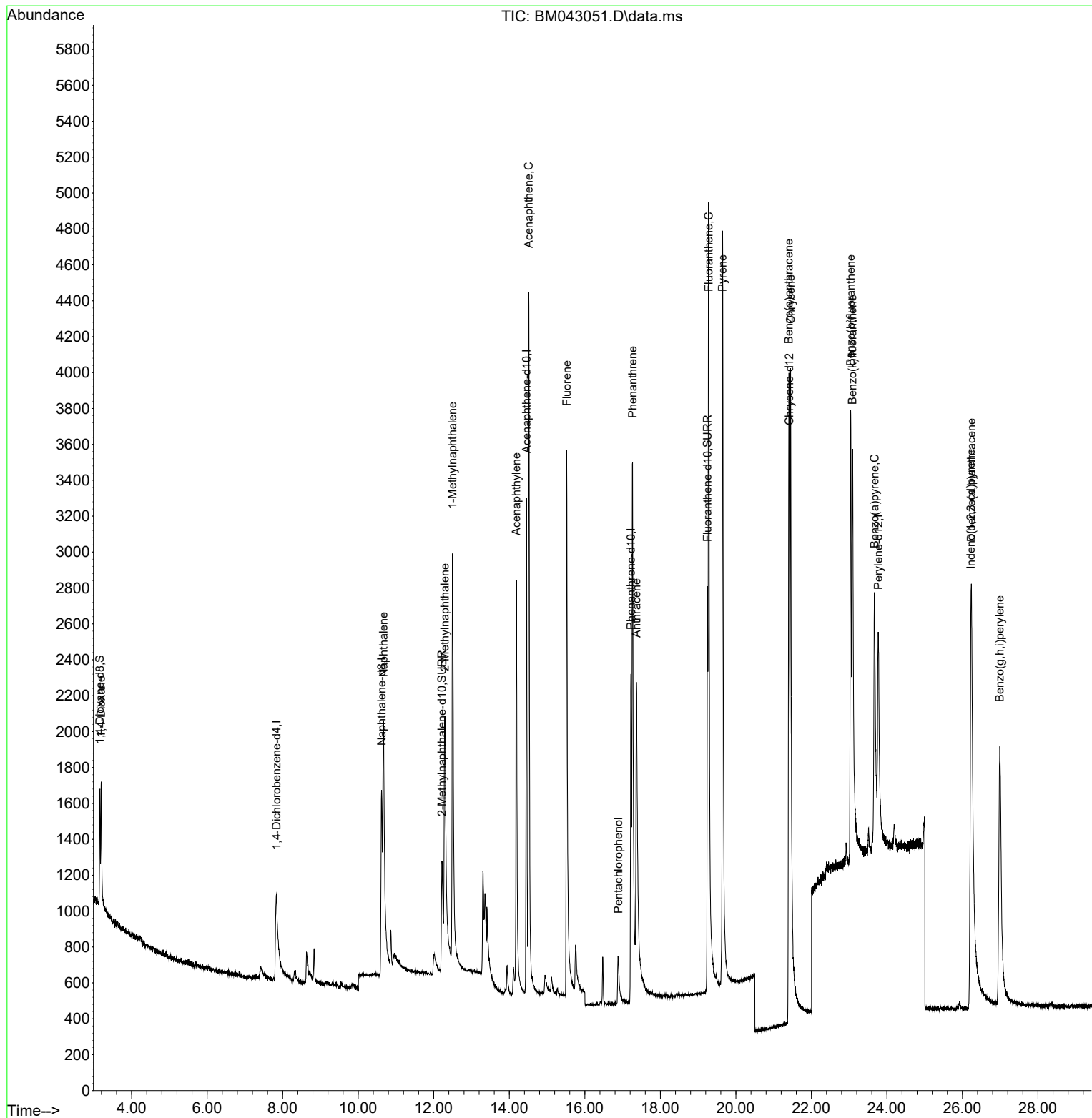
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	713	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.617	136	2846	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.456	164	1690	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.221	188	3794	0.400	ng/ul	-0.02
17) Chrysene-d12	21.414	240	2187	0.400	ng/ul	0.00
23) Perylene-d12	23.773	264	2423	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	549	0.502	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.218	152	1741	0.457	ng/ul	-0.03
18) Fluoranthene-d10	19.248	212	3655	0.459	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.193	88	525	0.447	ng/ul	97
5) Naphthalene	10.667	128	3366	0.435	ng/ul#	89
7) 2-Methylnaphthalene	12.295	142	2074	0.455	ng/ul	98
8) 1-Methylnaphthalene	12.498	142	2276	0.447	ng/ul	99
10) Acenaphthylene	14.187	152	3692	0.428	ng/ul	96
11) Acenaphthene	14.516	153	2816	0.431	ng/ul	98
12) Fluorene	15.520	166	3036	0.452	ng/ul	95
14) Pentachlorophenol	16.884	266	369	0.359	ng/ul	96
15) Phenanthrene	17.264	178	4520	0.417	ng/ul	96
16) Anthracene	17.365	178	4254	0.415	ng/ul	96
19) Fluoranthene	19.276	202	5732	0.462	ng/ul	97
20) Pyrene	19.648	202	5871	0.445	ng/ul	96
21) Benzo(a)anthracene	21.403	228	3462	0.488	ng/ul	97
22) Chrysene	21.449	228	5275	0.399	ng/ul	98
24) Benzo(b)fluoranthene	23.039	252	3810	0.466	ng/ul	92
25) Benzo(k)fluoranthene	23.086	252	5205	0.462	ng/ul	95
26) Benzo(a)pyrene	23.674	252	4009	0.449	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	26.221	276	5226	0.433	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.238	278	4069	0.436	ng/ul	89
29) Benzo(g,h,i)perylene	26.989	276	4884	0.416	ng/ul	96

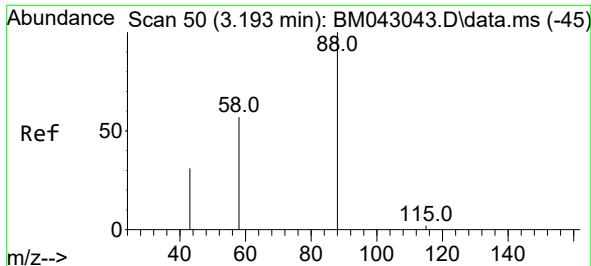
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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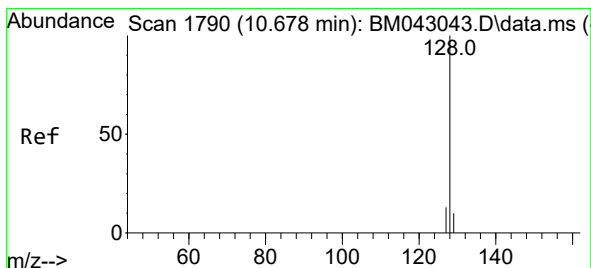
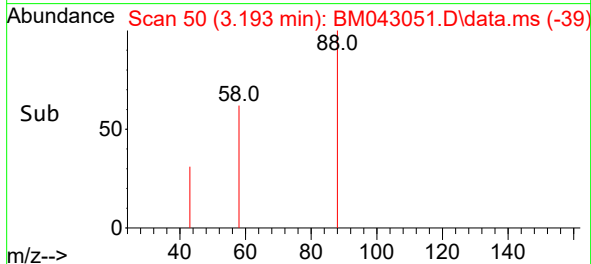
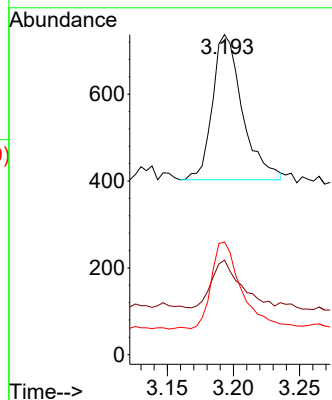
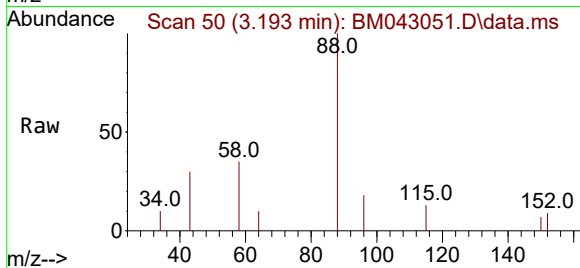




#2
1,4-Dioxane
Concen: 0.447 ng/ul
RT: 3.193 min Scan# 50
Delta R.T. -0.013 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

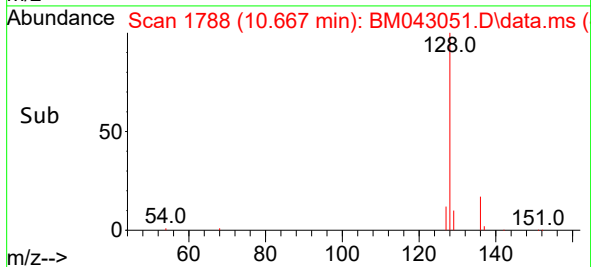
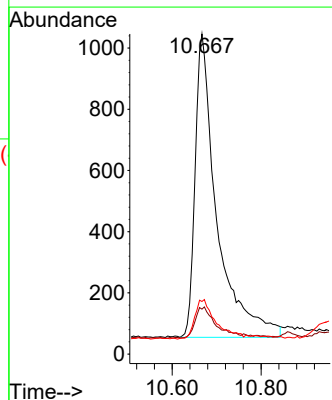
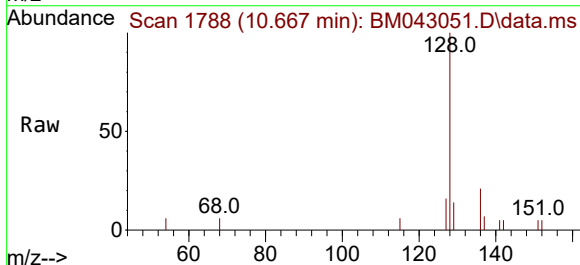
Instrument :
BNA_M
ClientSampleId :
SSTD0.4139

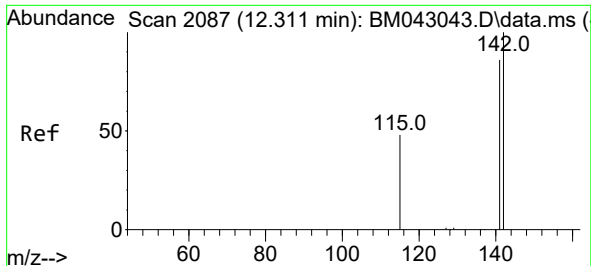
Tgt Ion: 88 Resp: 525
Ion Ratio Lower Upper
88 100
43 29.6 22.8 34.2
58 35.3 26.8 40.2



#5
Naphthalene
Concen: 0.435 ng/ul
RT: 10.667 min Scan# 1788
Delta R.T. -0.032 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:128 Resp: 3366
Ion Ratio Lower Upper
128 100
129 14.1 16.0 24.0#
127 16.4 16.5 24.7#

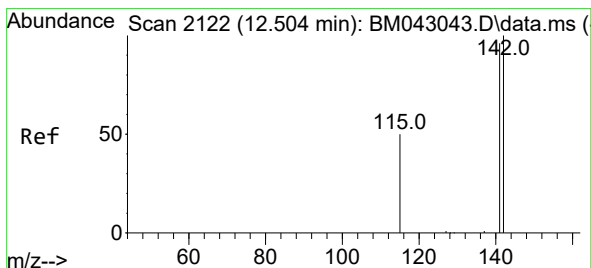
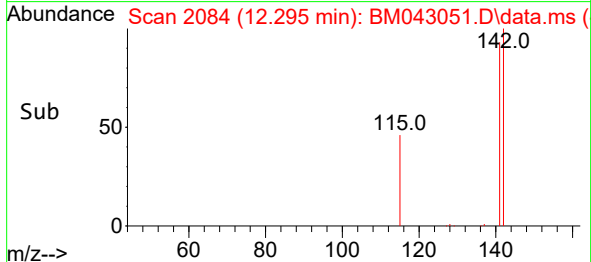
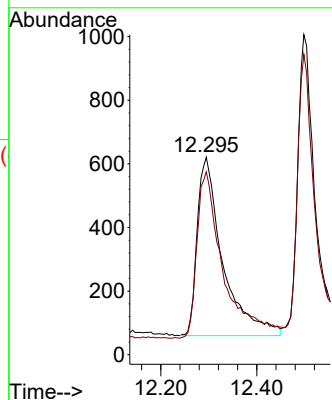
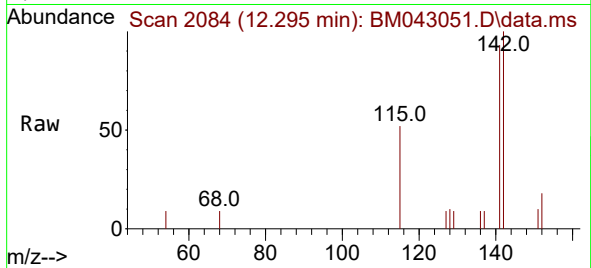




#7
2-Methylnaphthalene
Concen: 0.455 ng/ul
RT: 12.295 min Scan# 2084
Delta R.T. -0.037 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

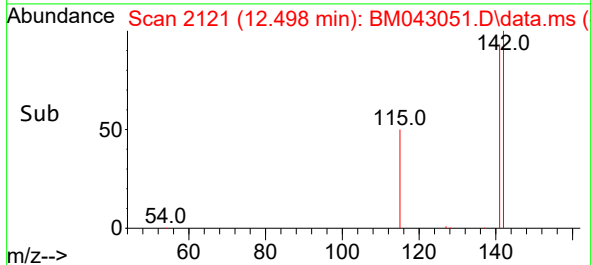
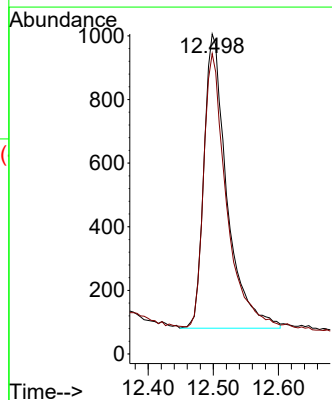
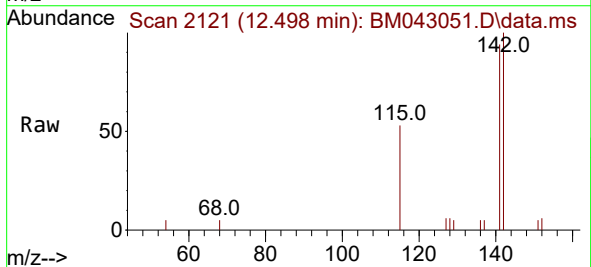
Instrument :
BNA_M
ClientSampleId :
SSTD0.4139

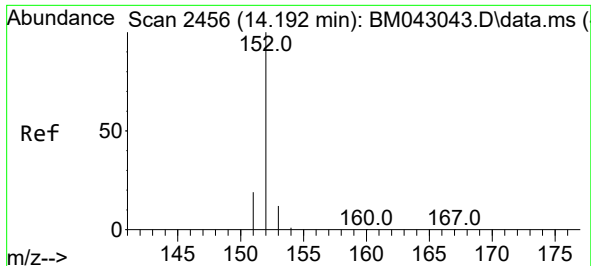
Tgt Ion:142 Resp: 2074
Ion Ratio Lower Upper
142 100
141 97.5 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.447 ng/ul
RT: 12.498 min Scan# 2121
Delta R.T. -0.021 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:142 Resp: 2276
Ion Ratio Lower Upper
142 100
141 91.2 73.8 110.8

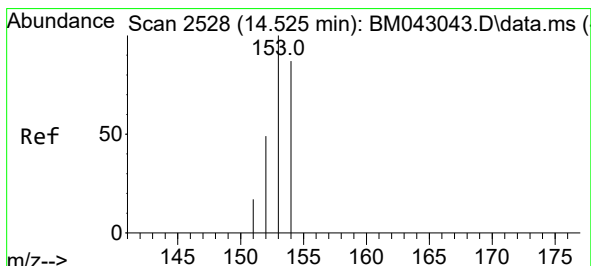
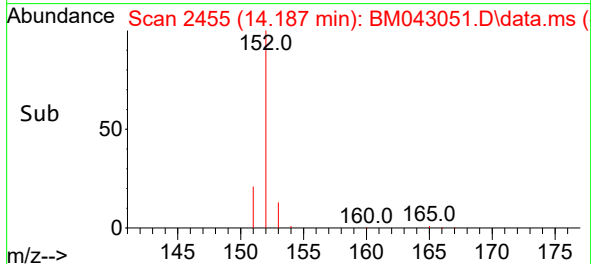
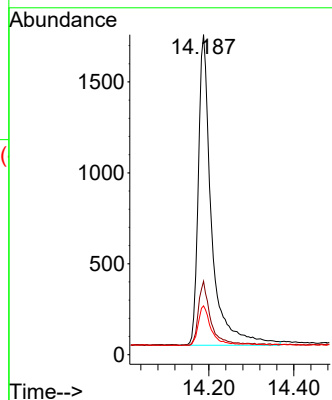
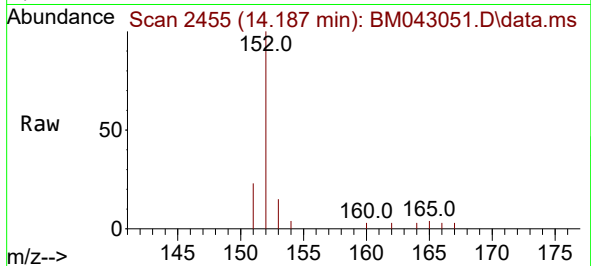




#10
Acenaphthylene
Concen: 0.428 ng/ul
RT: 14.187 min Scan# 2456
Delta R.T. -0.017 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

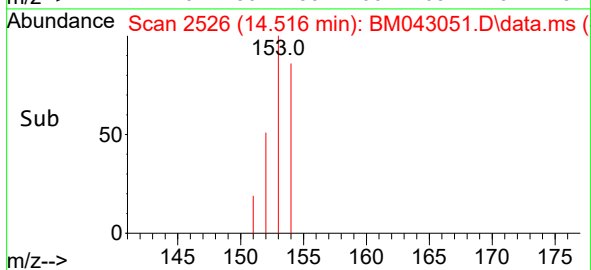
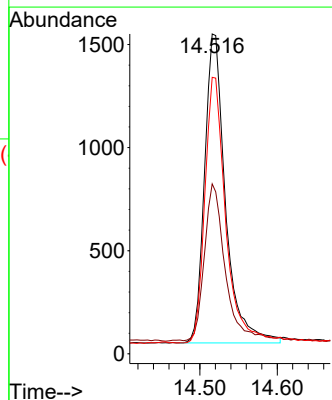
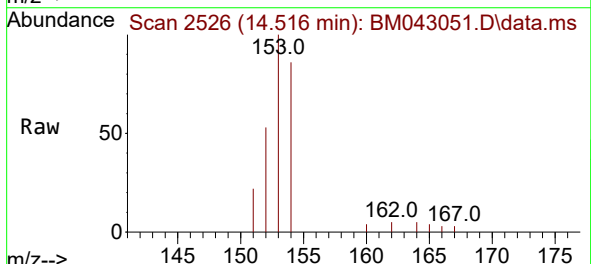
Instrument :
BNA_M
ClientSampleId :
SSTD0.4139

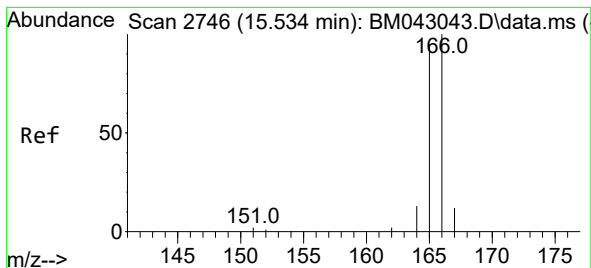
Tgt Ion:152 Resp: 3692
Ion Ratio Lower Upper
152 100
151 23.0 19.4 29.0
153 15.2 14.6 21.8



#11
Acenaphthene
Concen: 0.431 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:153 Resp: 2816
Ion Ratio Lower Upper
153 100
152 53.1 43.9 65.9
154 86.5 70.6 105.8





#12

Fluorene

Concen: 0.452 ng/ul

RT: 15.520 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM043051.D

Acq: 27 Nov 2023 16:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4139

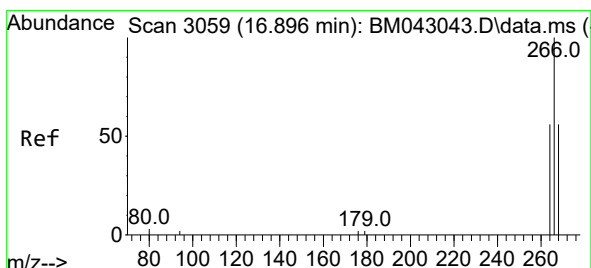
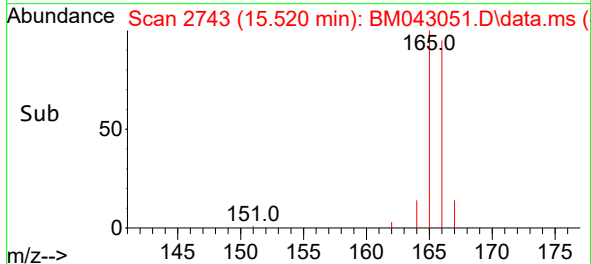
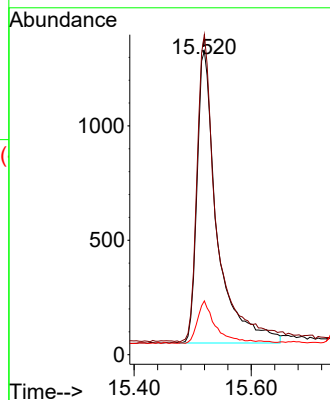
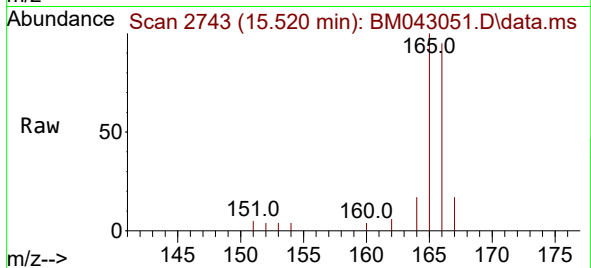
Tgt Ion:166 Resp: 3036

Ion Ratio Lower Upper

166 100

165 105.3 79.9 119.9

167 17.7 14.2 21.4



#14

Pentachlorophenol

Concen: 0.359 ng/ul

RT: 16.884 min Scan# 3056

Delta R.T. -0.028 min

Lab File: BM043051.D

Acq: 27 Nov 2023 16:22

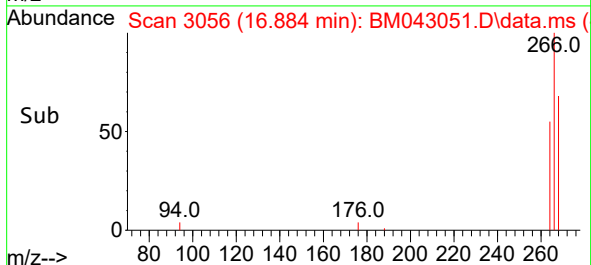
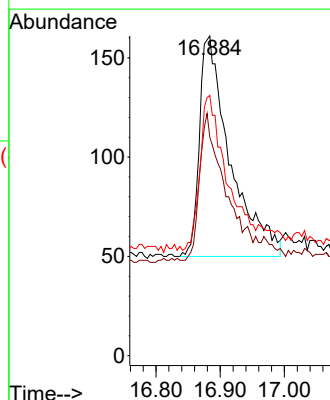
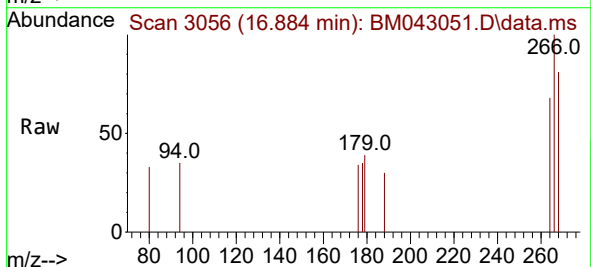
Tgt Ion:266 Resp: 369

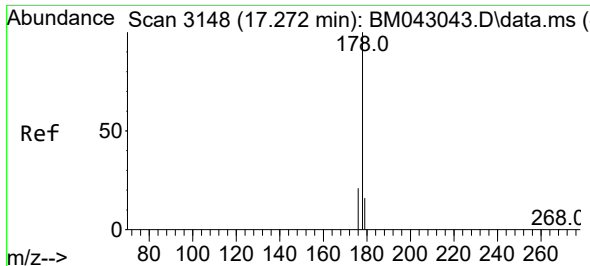
Ion Ratio Lower Upper

266 100

264 61.8 48.8 73.2

268 70.2 51.8 77.6

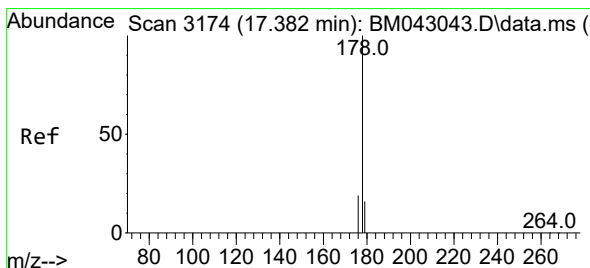
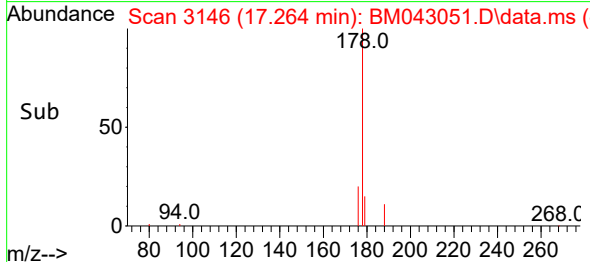
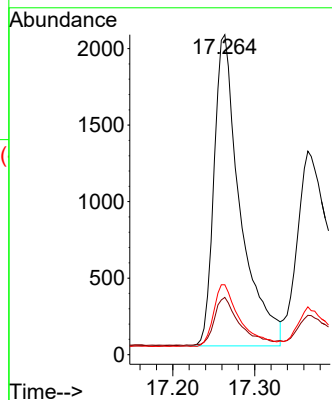
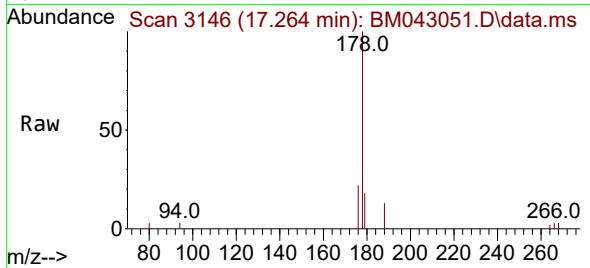




#15
Phenanthrene
Concen: 0.417 ng/ul
RT: 17.264 min Scan# 3148
Delta R.T. -0.016 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

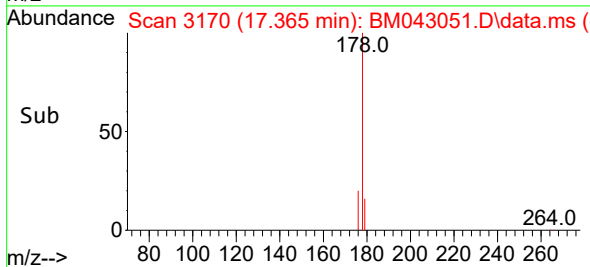
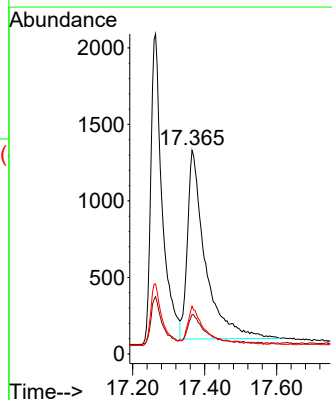
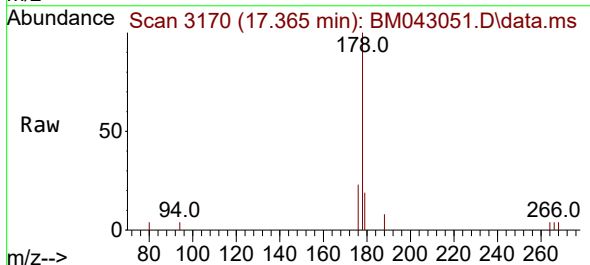
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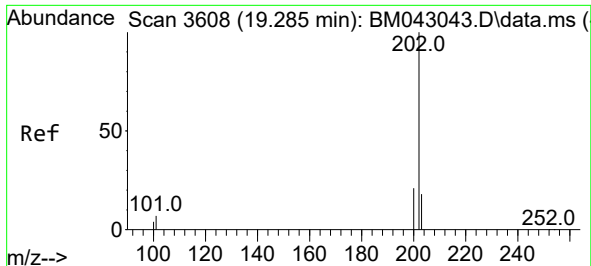
Tgt Ion:178 Resp: 4520
Ion Ratio Lower Upper
178 100
179 17.9 15.7 23.5
176 21.9 18.9 28.3



#16
Anthracene
Concen: 0.415 ng/ul
RT: 17.365 min Scan# 3170
Delta R.T. -0.028 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:178 Resp: 4254
Ion Ratio Lower Upper
178 100
179 19.3 17.3 25.9
176 23.5 20.5 30.7

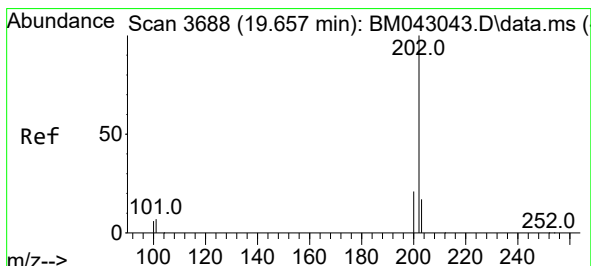
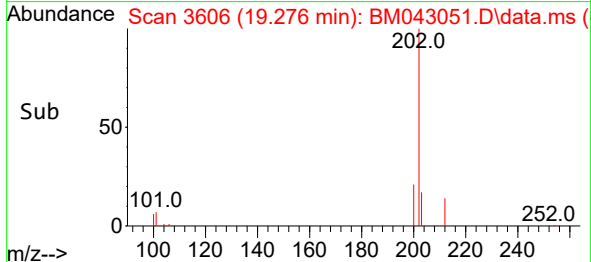
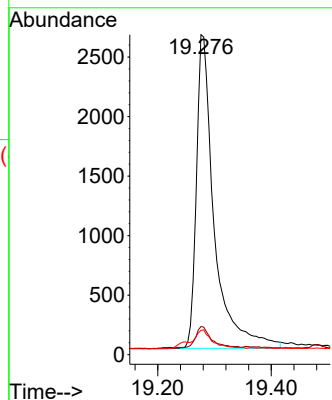
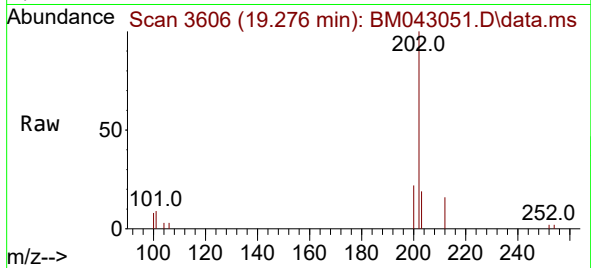




#19
Fluoranthene
Concen: 0.462 ng/ul
RT: 19.276 min Scan# 3606
Delta R.T. -0.017 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

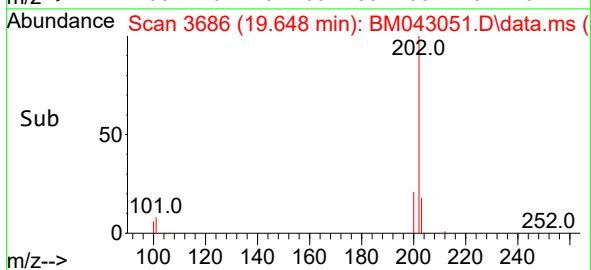
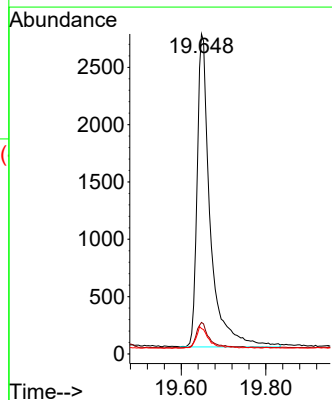
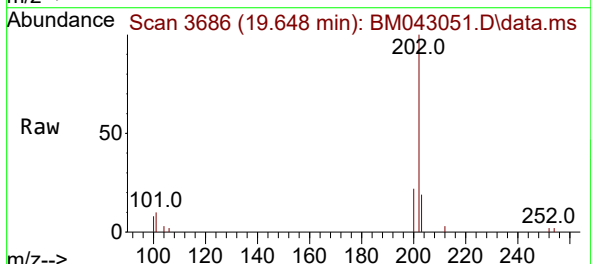
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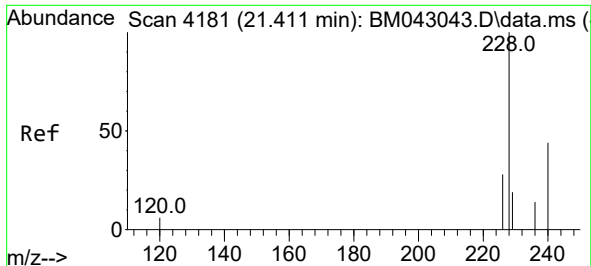
Tgt Ion:202 Resp: 5732
Ion Ratio Lower Upper
202 100
101 8.8 7.8 11.8
100 7.6 7.1 10.7



#20
Pyrene
Concen: 0.445 ng/ul
RT: 19.648 min Scan# 3686
Delta R.T. -0.013 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:202 Resp: 5871
Ion Ratio Lower Upper
202 100
101 9.9 8.7 13.1
100 8.0 7.8 11.8

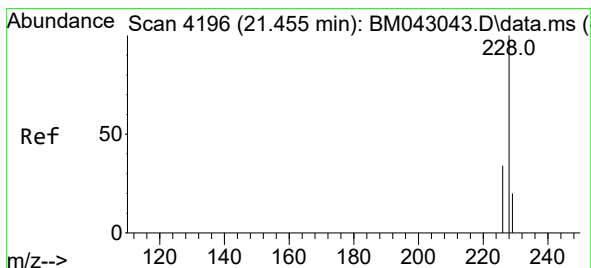
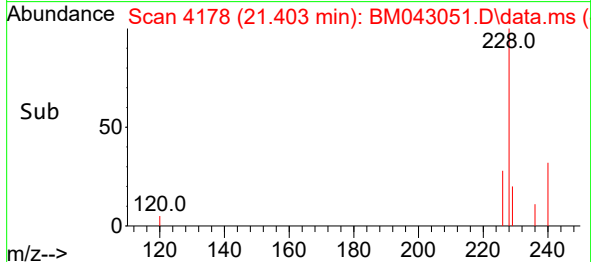
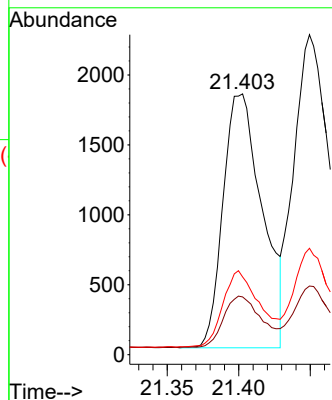
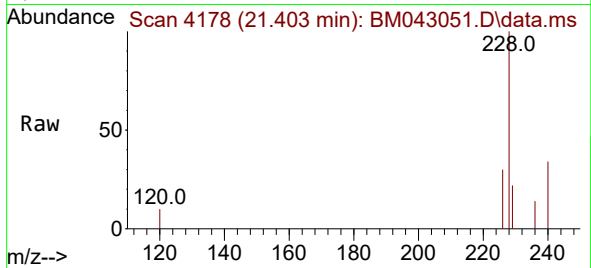




#21
Benzo(a)anthracene
Concen: 0.488 ng/ul
RT: 21.403 min Scan# 4181
Delta R.T. -0.009 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

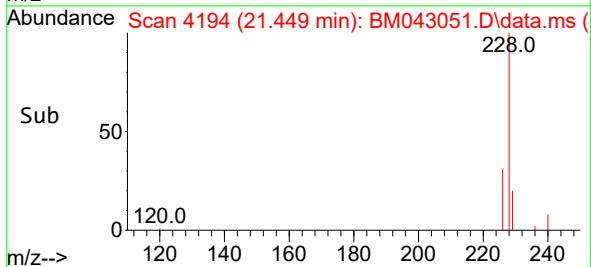
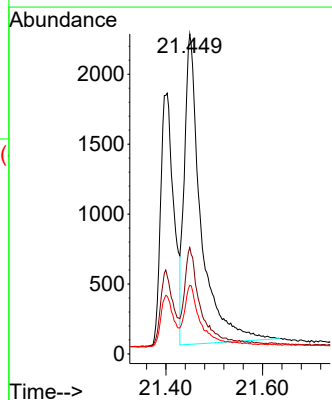
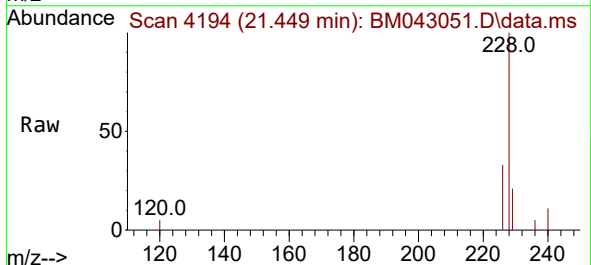
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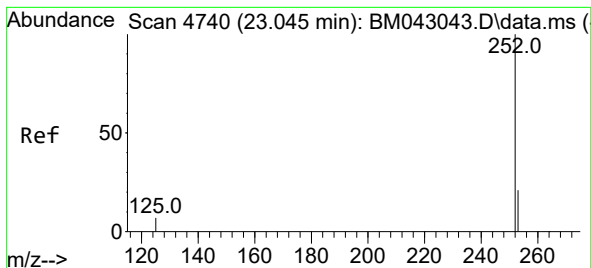
Tgt Ion:228 Resp: 3462
Ion Ratio Lower Upper
228 100
229 22.1 19.4 29.0
226 29.8 24.9 37.3



#22
Chrysene
Concen: 0.399 ng/ul
RT: 21.449 min Scan# 4194
Delta R.T. -0.009 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:228 Resp: 5275
Ion Ratio Lower Upper
228 100
226 33.3 27.2 40.8
229 21.4 18.0 27.0





#24

Benzo(b)fluoranthene

Concen: 0.466 ng/ul

RT: 23.039 min Scan# 4738

Delta R.T. -0.012 min

Lab File: BM043051.D

Acq: 27 Nov 2023 16:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4139

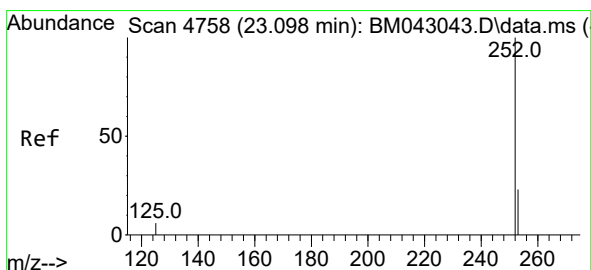
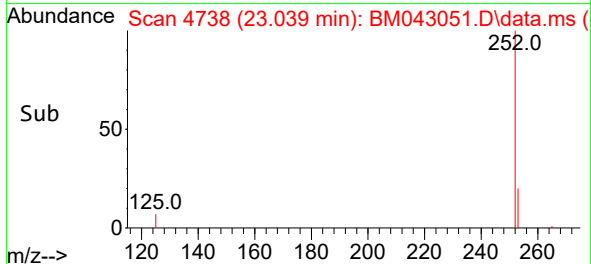
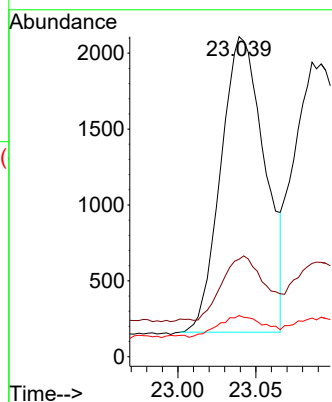
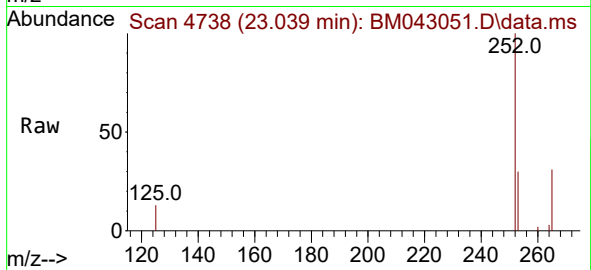
Tgt Ion:252 Resp: 3810

Ion Ratio Lower Upper

252 100

253 30.4 0.0 71.8

125 12.8 0.0 29.0



#25

Benzo(k)fluoranthene

Concen: 0.462 ng/ul

RT: 23.086 min Scan# 4754

Delta R.T. -0.012 min

Lab File: BM043051.D

Acq: 27 Nov 2023 16:22

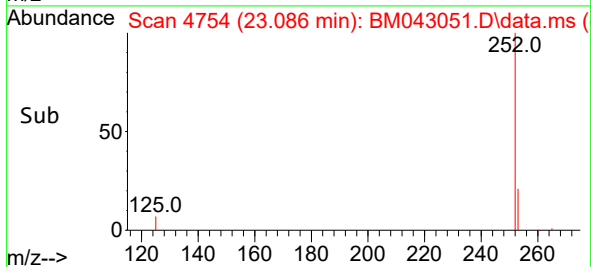
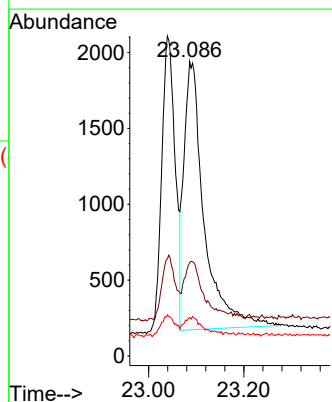
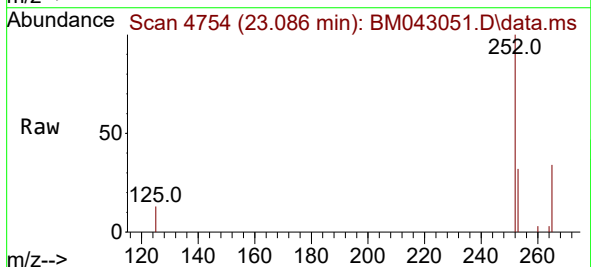
Tgt Ion:252 Resp: 5205

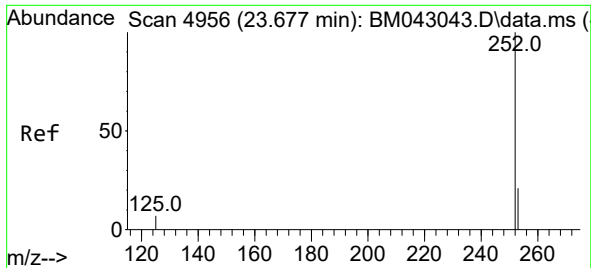
Ion Ratio Lower Upper

252 100

253 31.7 28.2 42.2

125 13.1 11.0 16.6

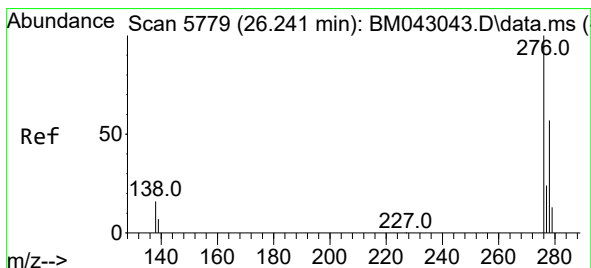
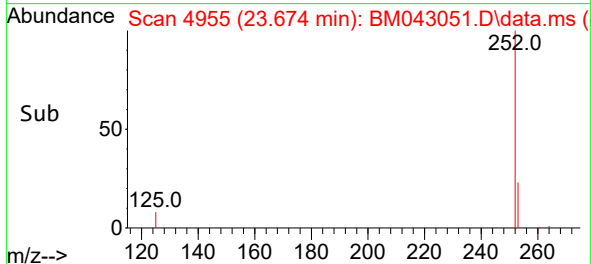
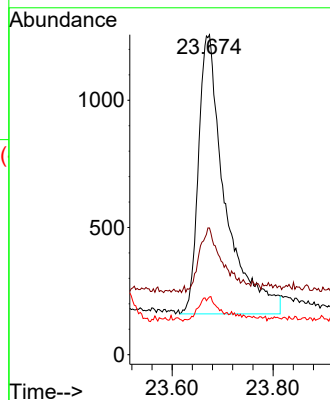
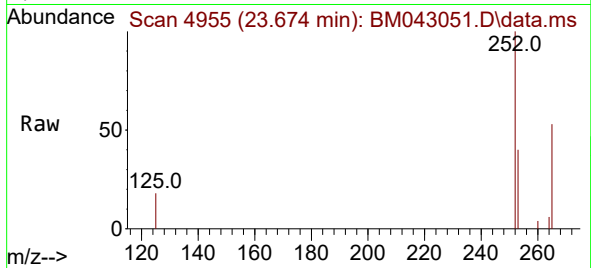




#26
Benzo(a)pyrene
Concen: 0.449 ng/ul
RT: 23.674 min Scan# 4955
Delta R.T. -0.012 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

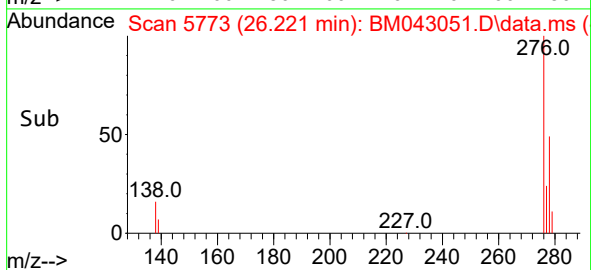
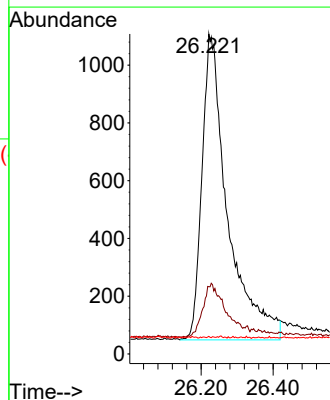
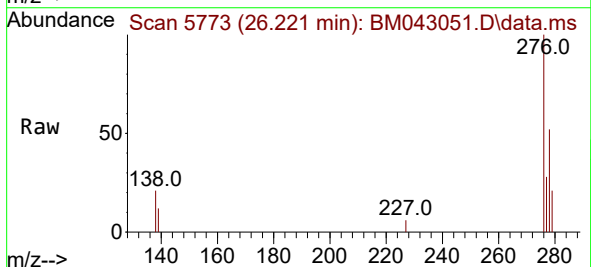
Instrument :
BNA_M
ClientSampleId :
SSTD0.4139

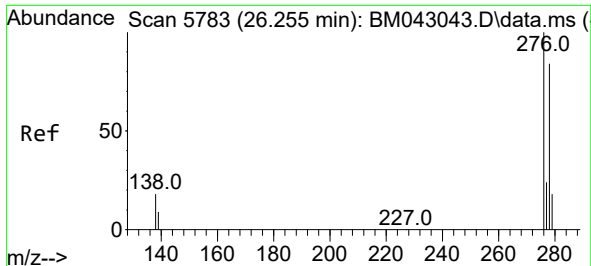
Tgt Ion:252 Resp: 4009
Ion Ratio Lower Upper
252 100
253 39.6 36.6 55.0
125 18.0 16.2 24.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.433 ng/ul
RT: 26.221 min Scan# 5773
Delta R.T. -0.017 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:276 Resp: 5226
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
227 0.1 0.2 0.2#

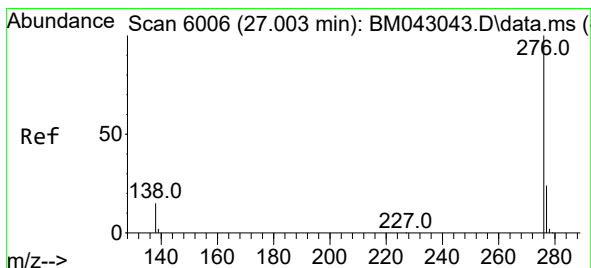
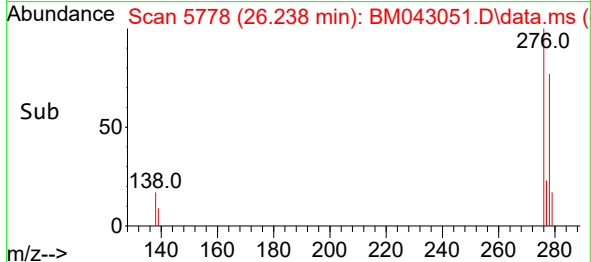
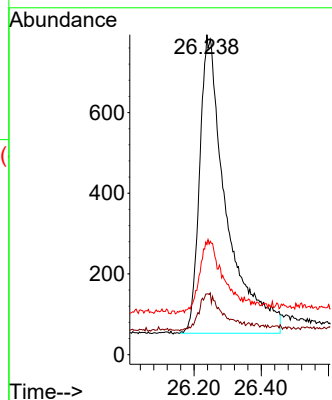
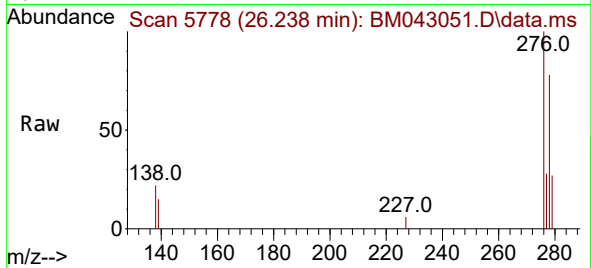




#28
Dibenzo(a,h)anthracene
Concen: 0.436 ng/ul
RT: 26.238 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Instrument :
BNA_M
ClientSampleId :
SSTD0.4139

Tgt Ion:278 Resp: 4069
Ion Ratio Lower Upper
278 100
139 18.9 18.1 27.1
279 34.4 34.4 51.6



#29
Benzo(g,h,i)perylene
Concen: 0.416 ng/ul
RT: 26.989 min Scan# 6002
Delta R.T. -0.021 min
Lab File: BM043051.D
Acq: 27 Nov 2023 16:22

Tgt Ion:276 Resp: 4884
Ion Ratio Lower Upper
276 100
138 20.1 17.8 26.8
277 28.1 23.8 35.8

