

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038553.D
 Acq On : 26 Jan 2023 17:33
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4066

Quant Time: Jan 27 00:44:26 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 27 00:18:15 2023
 Response via : Initial Calibration

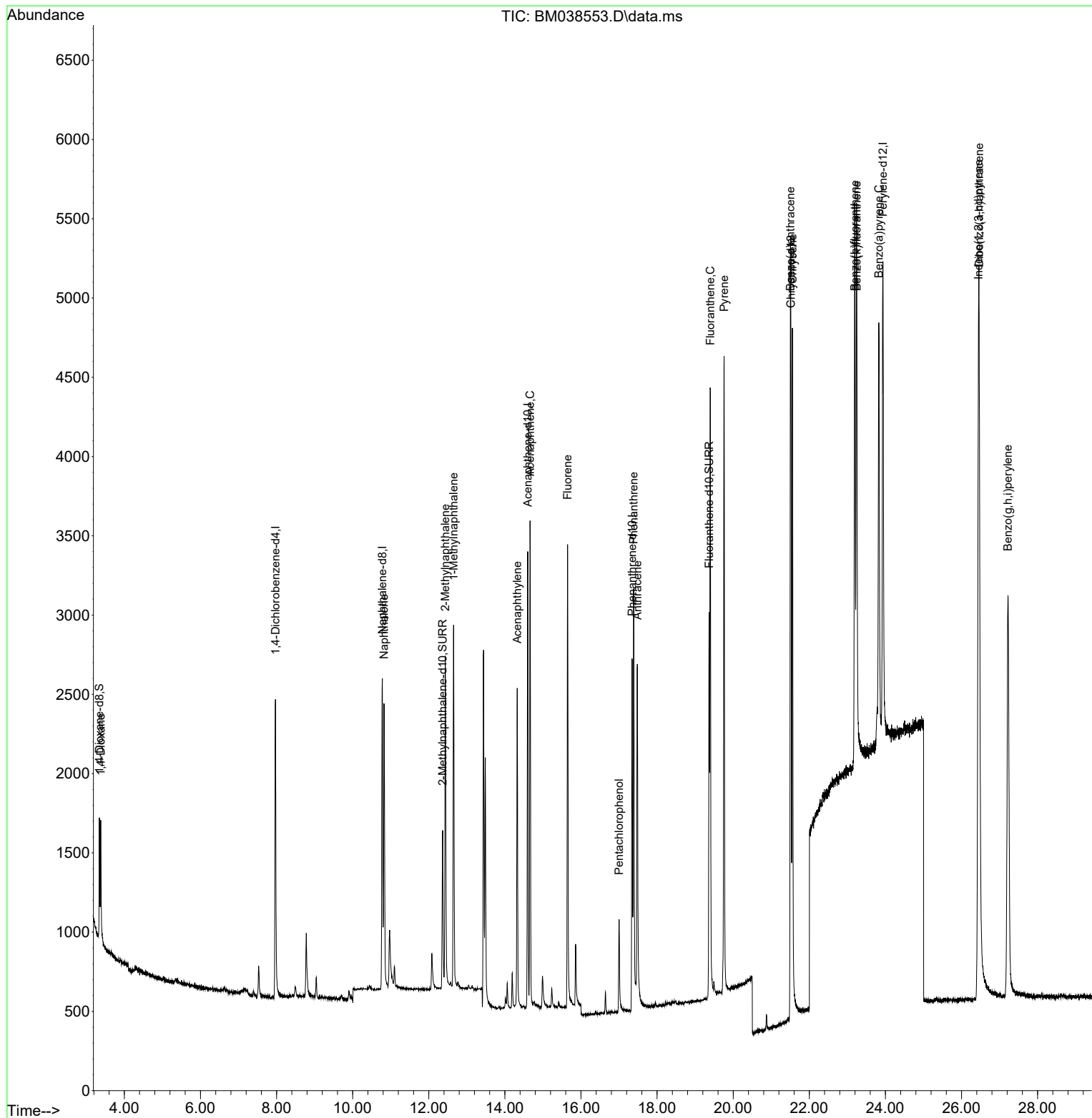
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	1127	0.400	ng/ul	0.00
4) Naphthalene-d8	10.779	136	2883	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.601	164	1597	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.346	188	3165	0.400	ng/ul	0.00
17) Chrysene-d12	21.518	240	3274	0.400	ng/ul	0.00
23) Perylene-d12	23.936	264	4381	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	528	0.357	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.363	152	1456	0.325	ng/ul	0.00
18) Fluoranthene-d10	19.366	212	3026	0.324	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.381	88	510	0.340	ng/ul#	20
5) Naphthalene	10.823	128	2648	0.282	ng/ul	98
7) 2-Methylnaphthalene	12.434	142	1575	0.318	ng/ul	98
8) 1-Methylnaphthalene	12.654	142	1619	0.317	ng/ul	99
10) Acenaphthylene	14.324	152	2377	0.337	ng/ul	97
11) Acenaphthene	14.662	153	1765	0.329	ng/ul	98
12) Fluorene	15.647	166	1987	0.296	ng/ul	96
14) Pentachlorophenol	16.999	266	477	0.370	ng/ul	98
15) Phenanthrene	17.384	178	3033	0.297	ng/ul	96
16) Anthracene	17.481	178	2930	0.336	ng/ul	95
19) Fluoranthene	19.399	202	3785	0.324	ng/ul	98
20) Pyrene	19.761	202	4026	0.321	ng/ul	100
21) Benzo(a)anthracene	21.504	228	3894	0.335	ng/ul	100
22) Chrysene	21.556	228	4003	0.343	ng/ul	99
24) Benzo(b)fluoranthene	23.193	252	5073	0.308	ng/ul	95
25) Benzo(k)fluoranthene	23.243	252	5050	0.315	ng/ul	96
26) Benzo(a)pyrene	23.828	252	4915	0.332	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.445	276	7524	0.361	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.465	278	5973	0.360	ng/ul	97
29) Benzo(g,h,i)perylene	27.219	276	6670	0.369	ng/ul	97

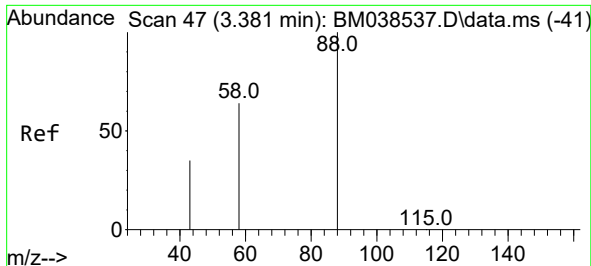
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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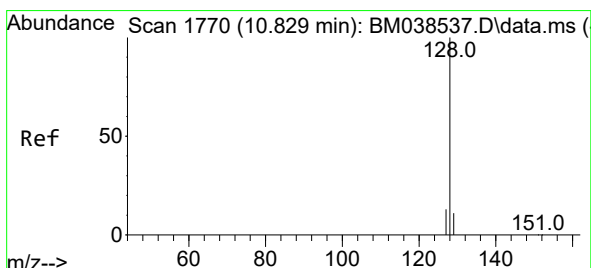
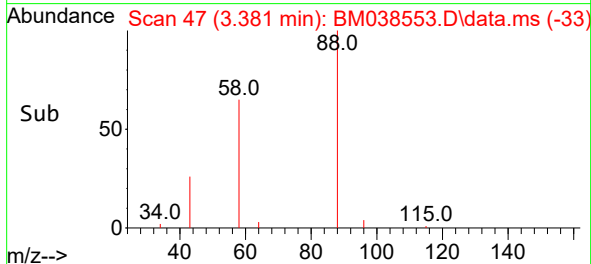
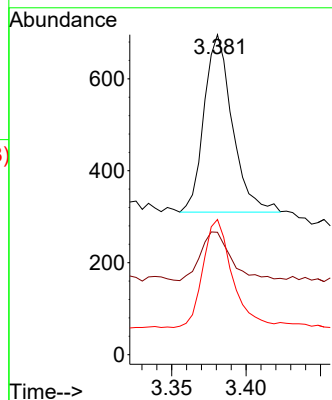
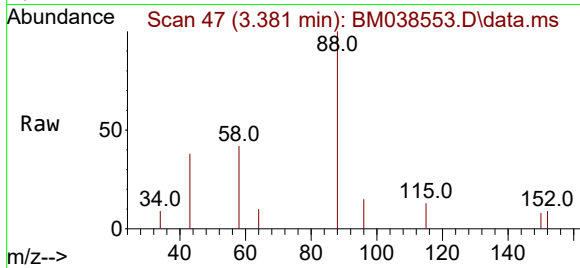




#2
1,4-Dioxane
Concen: 0.340 ng/ul
RT: 3.381 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

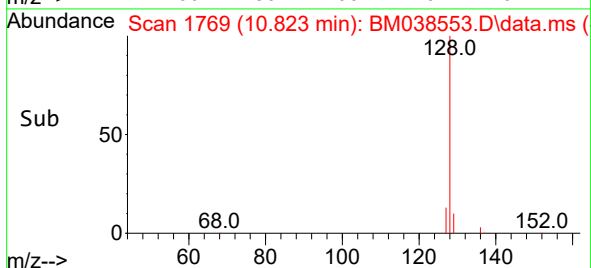
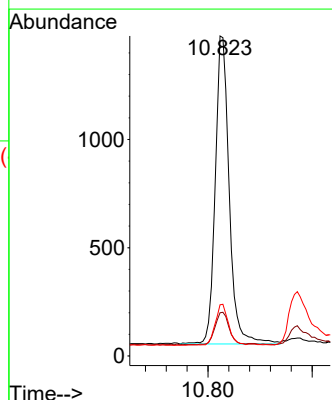
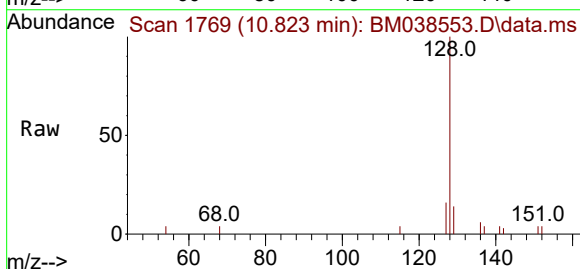
Instrument :
BNA_M
ClientSampleId :
SSTD0.4066

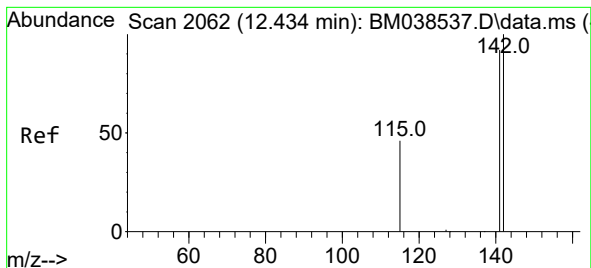
Tgt Ion: 88 Resp: 510
Ion Ratio Lower Upper
88 100
43 38.2 141.3 211.9#
58 42.2 45.7 68.5#



#5
Naphthalene
Concen: 0.282 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion: 128 Resp: 2648
Ion Ratio Lower Upper
128 100
129 13.5 10.3 15.5
127 16.0 11.9 17.9

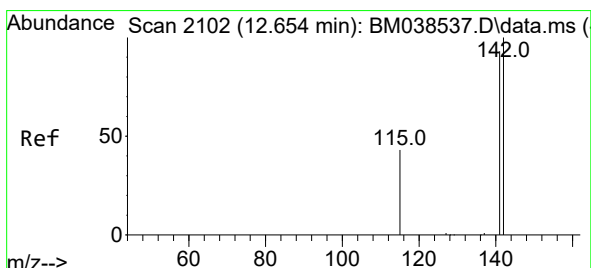
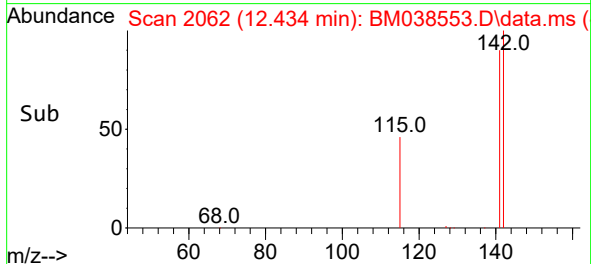
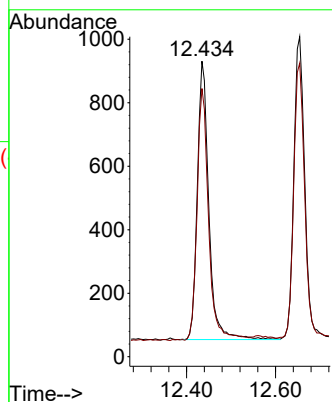
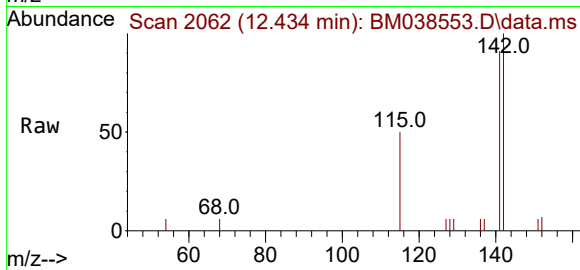




#7
2-Methylnaphthalene
Concen: 0.318 ng/ul
RT: 12.434 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

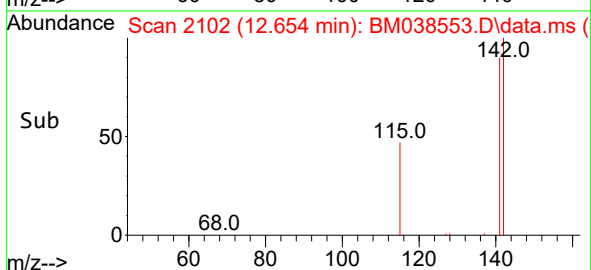
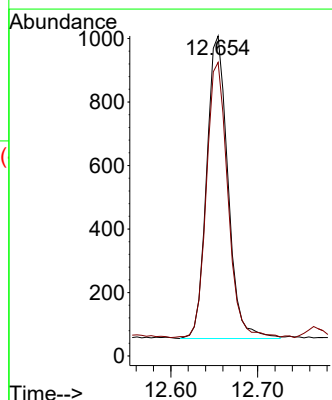
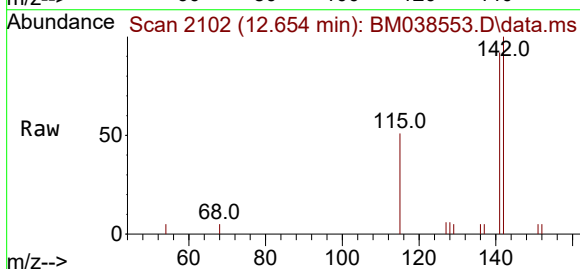
Instrument :
BNA_M
ClientSampleId :
SSTD0.4066

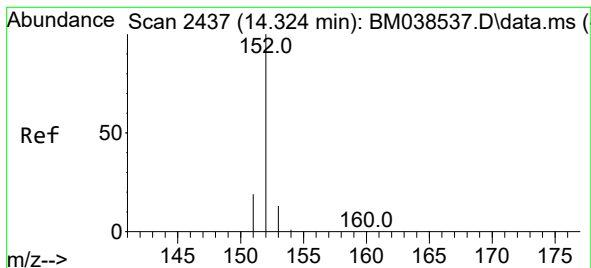
Tgt Ion:142 Resp: 1575
Ion Ratio Lower Upper
142 100
141 90.7 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.317 ng/ul
RT: 12.654 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:142 Resp: 1619
Ion Ratio Lower Upper
142 100
141 91.3 74.0 111.0





#10

Acenaphthylene

Concen: 0.337 ng/ul

RT: 14.324 min Scan# 2437

Delta R.T. 0.000 min

Lab File: BM038553.D

Acq: 26 Jan 2023 17:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.4066

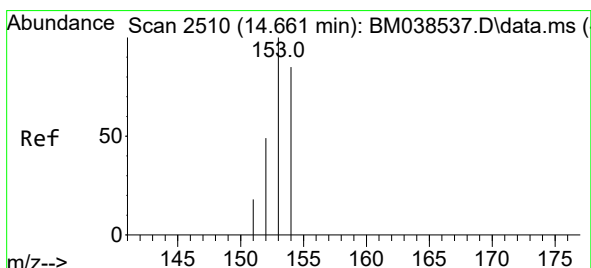
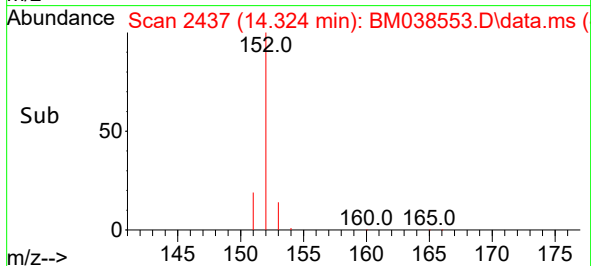
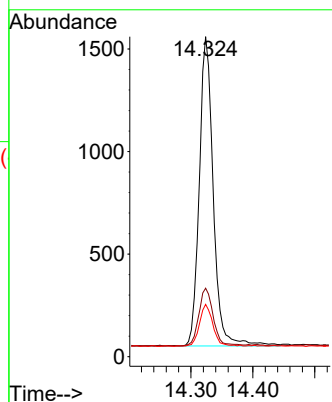
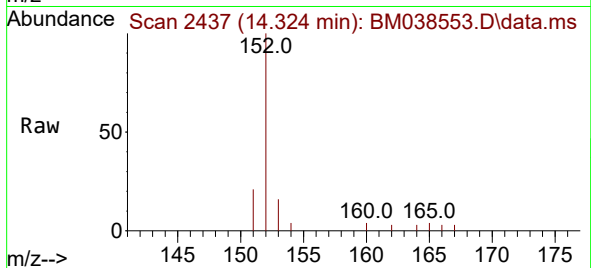
Tgt Ion:152 Resp: 2377

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

153 16.3 11.8 17.6



#11

Acenaphthene

Concen: 0.329 ng/ul

RT: 14.662 min Scan# 2510

Delta R.T. 0.000 min

Lab File: BM038553.D

Acq: 26 Jan 2023 17:33

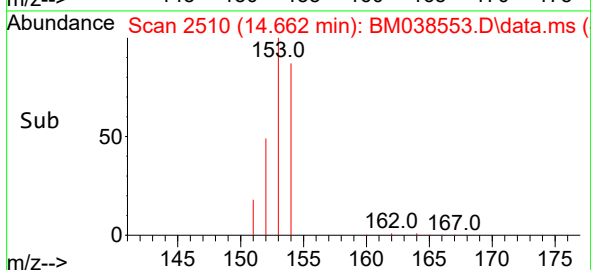
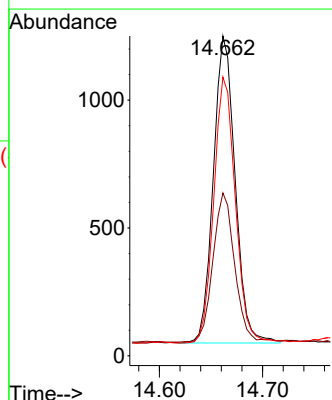
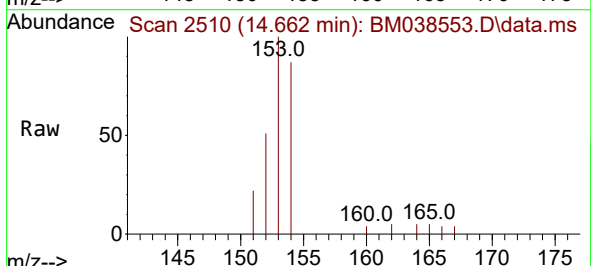
Tgt Ion:153 Resp: 1765

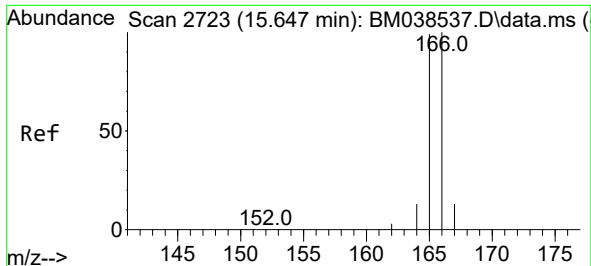
Ion Ratio Lower Upper

153 100

152 50.9 40.1 60.1

154 87.1 68.4 102.6

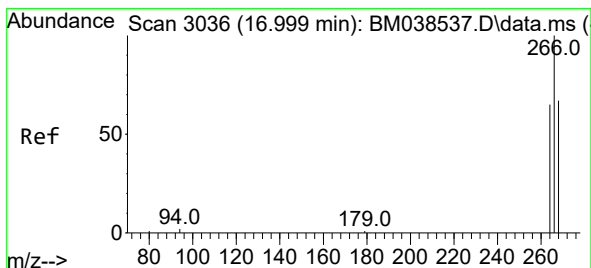
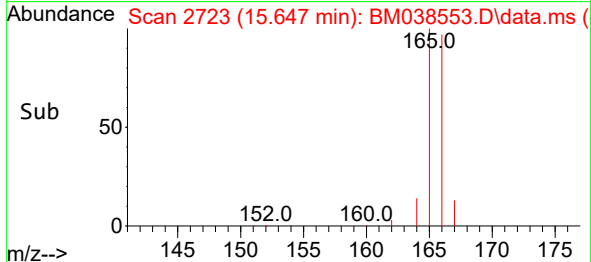
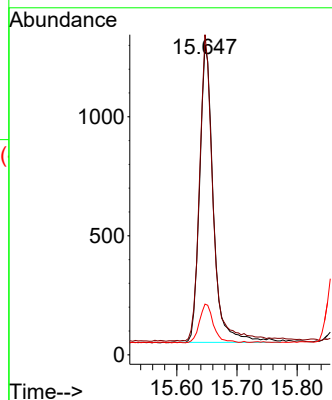
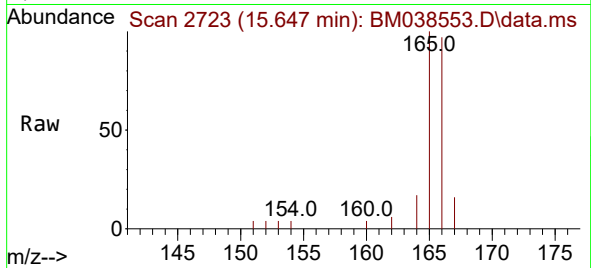




#12
Fluorene
Concen: 0.296 ng/ul
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

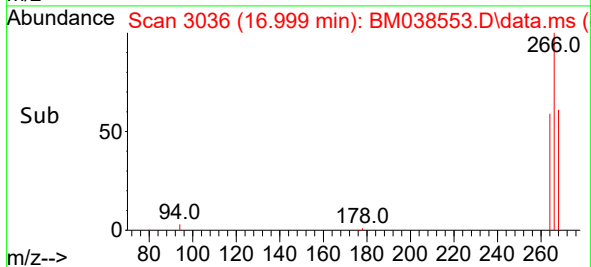
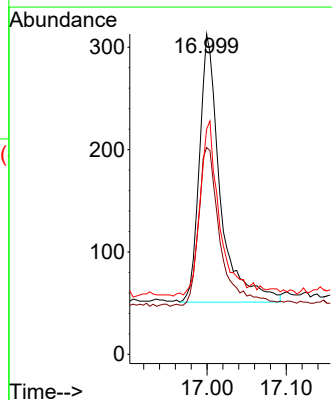
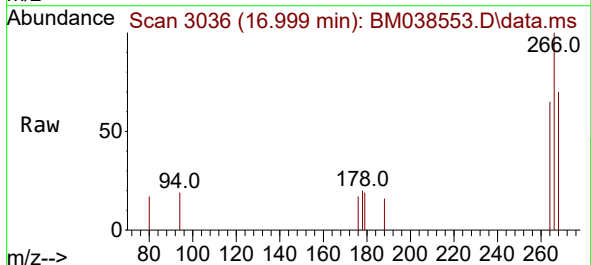
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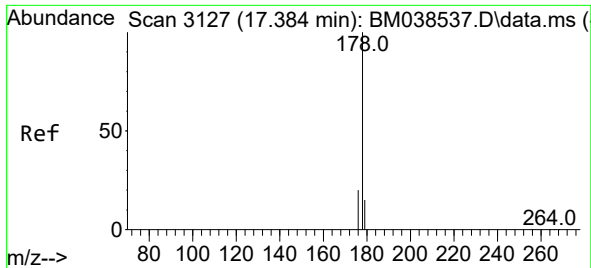
Tgt Ion:166 Resp: 1987
Ion Ratio Lower Upper
166 100
165 103.5 79.3 118.9
167 16.4 11.9 17.9



#14
Pentachlorophenol
Concen: 0.370 ng/ul
RT: 16.999 min Scan# 3036
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:266 Resp: 477
Ion Ratio Lower Upper
266 100
264 64.4 49.4 74.2
268 65.2 51.7 77.5

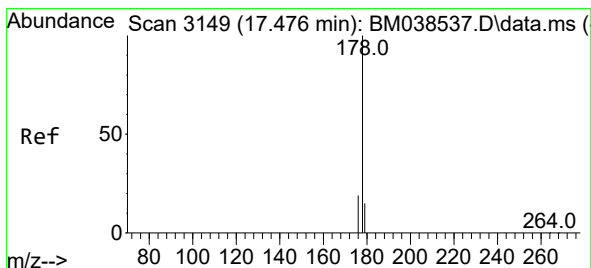
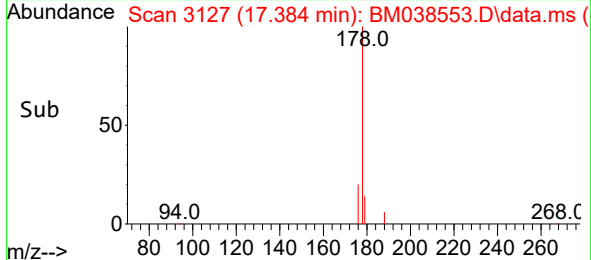
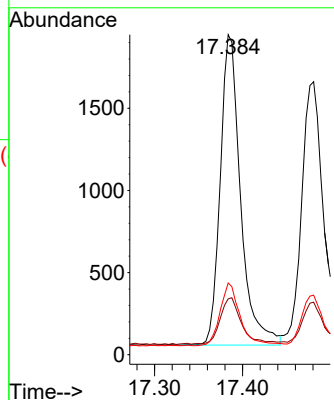
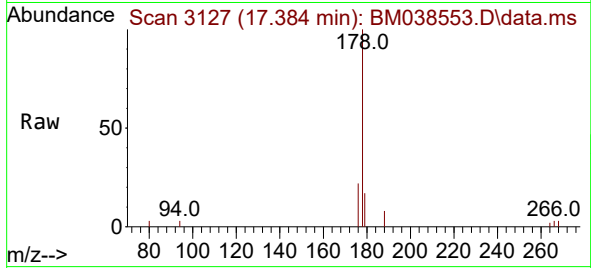




#15
Phenanthrene
Concen: 0.297 ng/ul
RT: 17.384 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

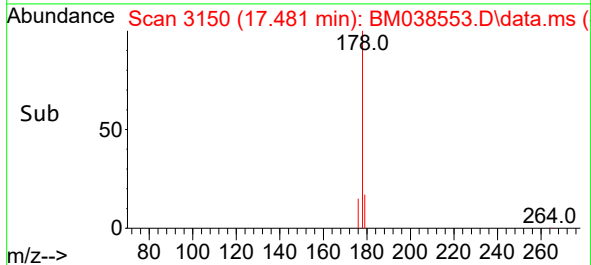
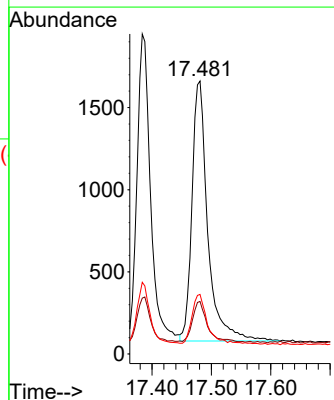
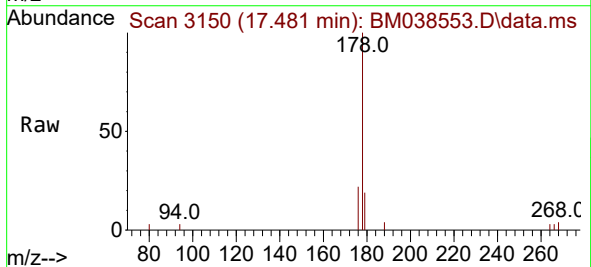
Instrument :
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ClientSampleId :
SSTD0.4066

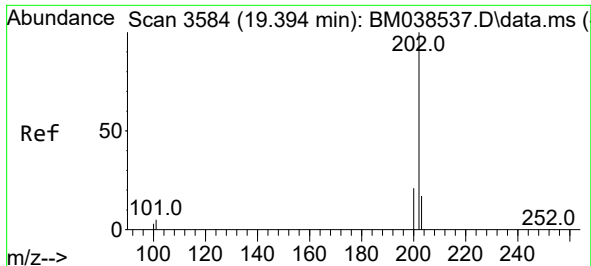
Tgt Ion:	178	Resp:	3033
Ion Ratio	Lower	Upper	
178	100		
179	17.5	13.0	19.4
176	22.4	16.4	24.6



#16
Anthracene
Concen: 0.336 ng/ul
RT: 17.481 min Scan# 3150
Delta R.T. 0.004 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:	178	Resp:	2930
Ion Ratio	Lower	Upper	
178	100		
179	19.3	13.2	19.8
176	21.8	16.2	24.4

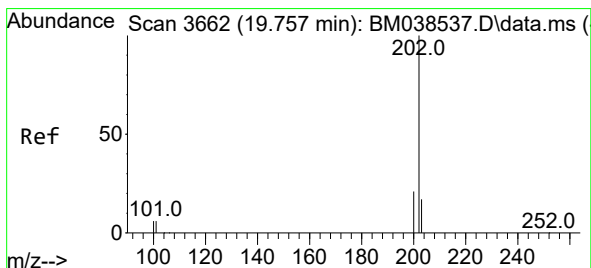
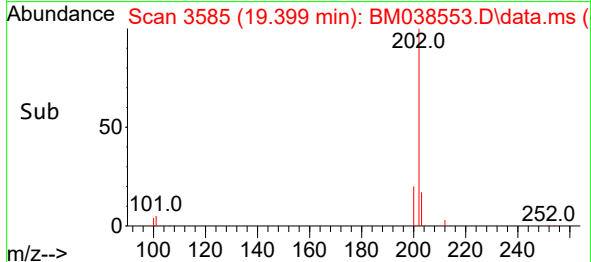
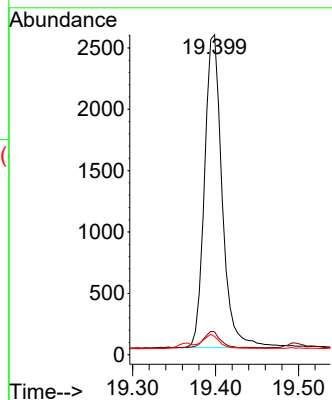
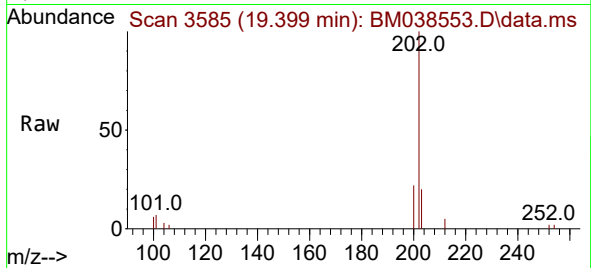




#19
Fluoranthene
Concen: 0.324 ng/ul
RT: 19.399 min Scan# 31
Delta R.T. 0.005 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

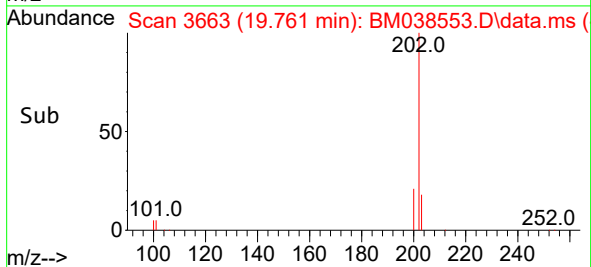
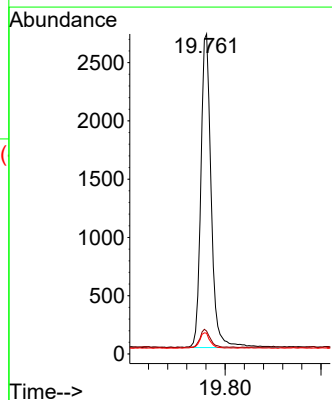
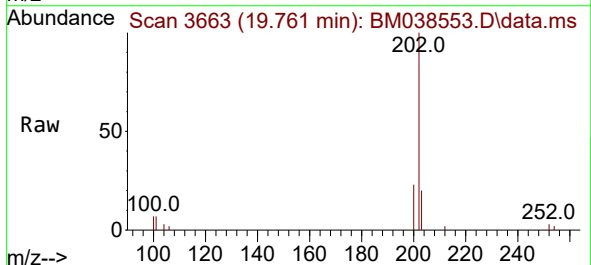
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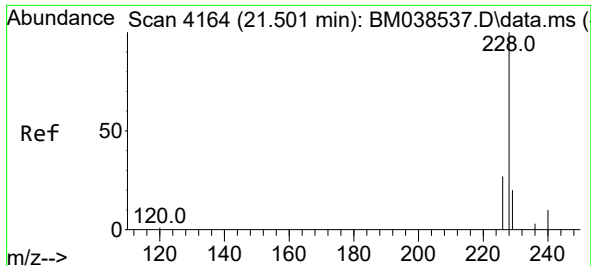
Tgt Ion:202 Resp: 3785
Ion Ratio Lower Upper
202 100
101 7.2 5.3 7.9
100 5.7 4.2 6.2



#20
Pyrene
Concen: 0.321 ng/ul
RT: 19.761 min Scan# 3663
Delta R.T. 0.005 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:202 Resp: 4026
Ion Ratio Lower Upper
202 100
101 7.2 5.9 8.9
100 6.5 5.2 7.8

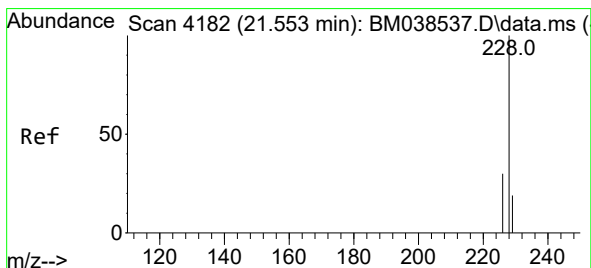
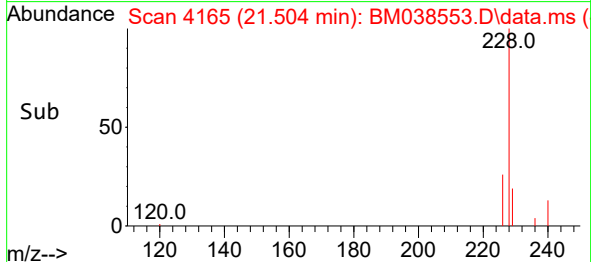
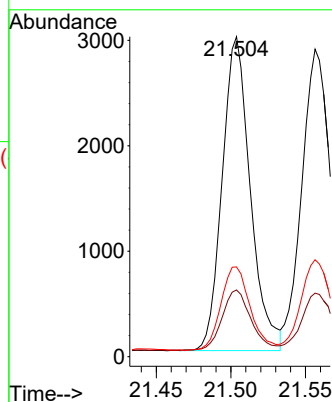
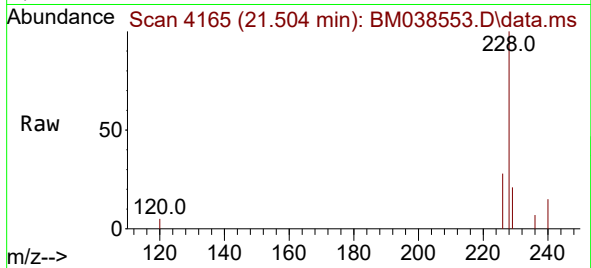




#21
Benzo(a)anthracene
Concen: 0.335 ng/ul
RT: 21.504 min Scan# 4164
Delta R.T. 0.003 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

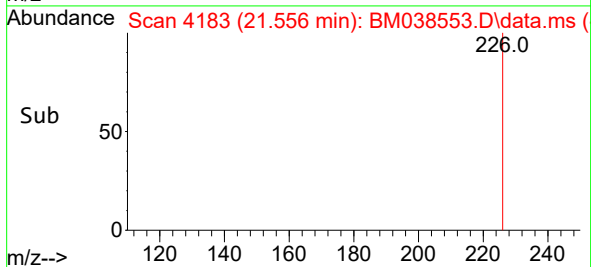
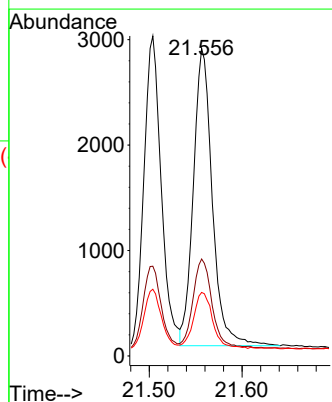
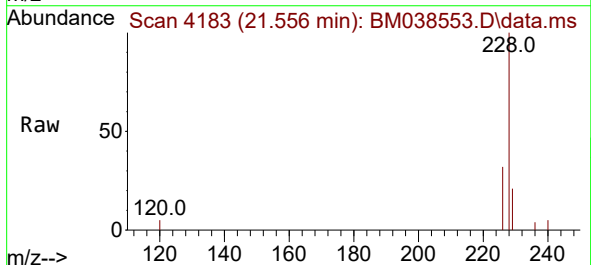
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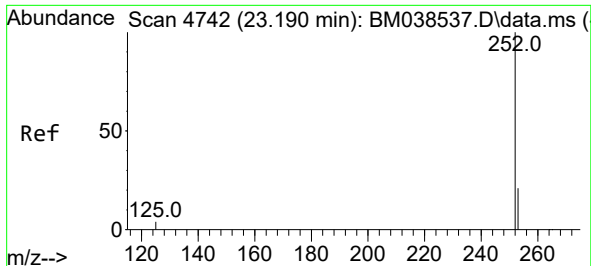
Tgt Ion:228 Resp: 3894
Ion Ratio Lower Upper
228 100
229 20.9 16.7 25.1
226 28.1 22.2 33.4



#22
Chrysene
Concen: 0.343 ng/ul
RT: 21.556 min Scan# 4183
Delta R.T. 0.003 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:228 Resp: 4003
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 20.6 16.2 24.4

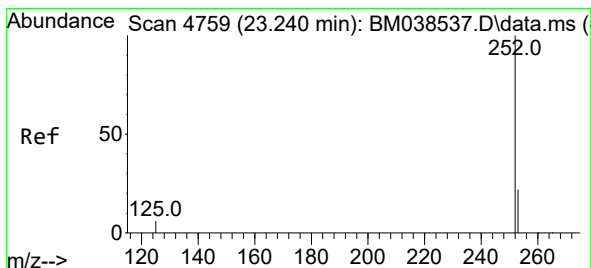
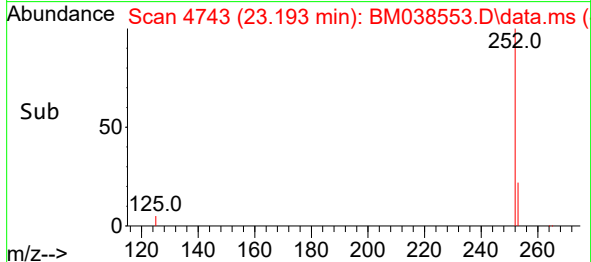
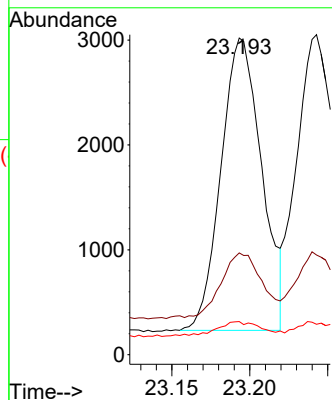
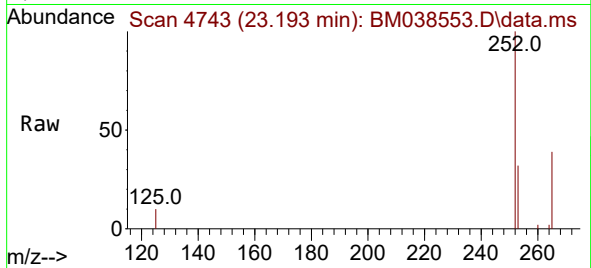




#24
Benzo(b)fluoranthene
Concen: 0.308 ng/ul
RT: 23.193 min Scan# 4742
Delta R.T. 0.003 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

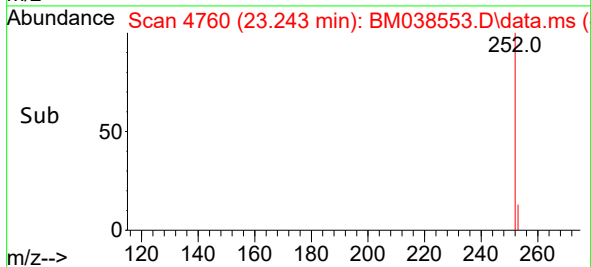
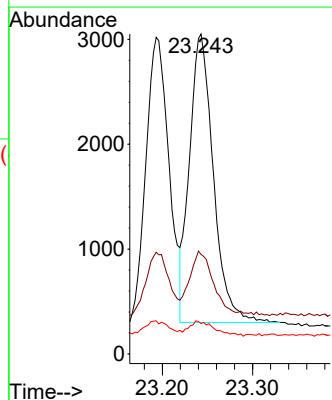
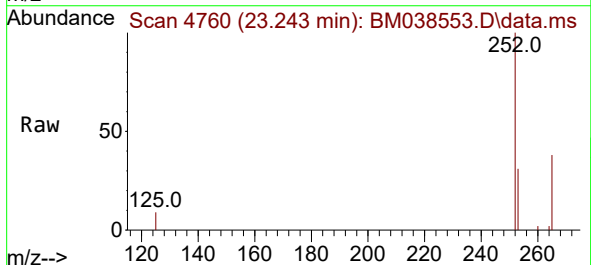
Instrument :
BNA_M
ClientSampleId :
SSTD0.4066

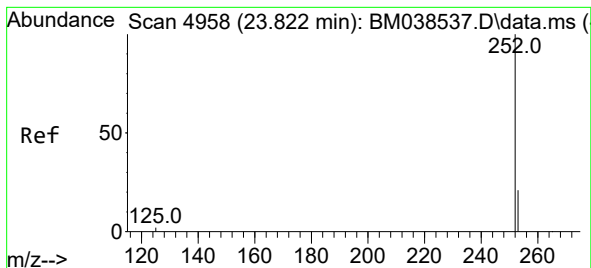
Tgt Ion:252 Resp: 5073
Ion Ratio Lower Upper
252 100
253 32.1 0.0 56.6
125 10.4 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.315 ng/ul
RT: 23.243 min Scan# 4760
Delta R.T. 0.003 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:252 Resp: 5050
Ion Ratio Lower Upper
252 100
253 31.2 23.1 34.7
125 9.5 8.4 12.6





#26

Benzo(a)pyrene

Concen: 0.332 ng/ul

RT: 23.828 min Scan# 4958

Delta R.T. 0.006 min

Lab File: BM038553.D

Acq: 26 Jan 2023 17:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.4066

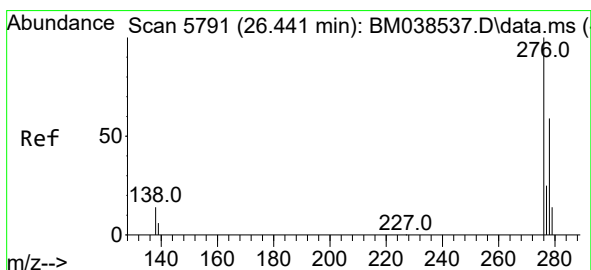
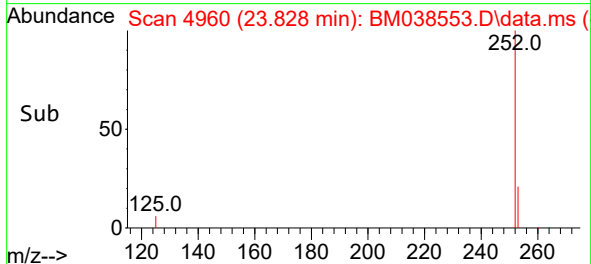
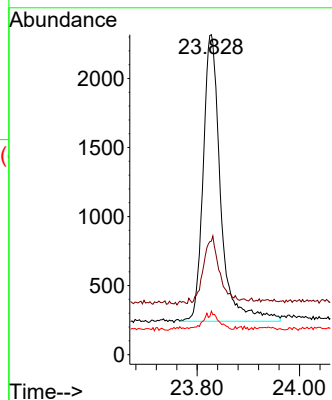
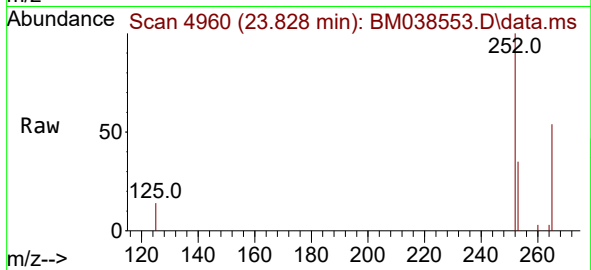
Tgt Ion:252 Resp: 4915

Ion Ratio Lower Upper

252 100

253 35.5 25.1 37.7

125 13.6 10.0 15.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.361 ng/ul

RT: 26.445 min Scan# 5792

Delta R.T. 0.003 min

Lab File: BM038553.D

Acq: 26 Jan 2023 17:33

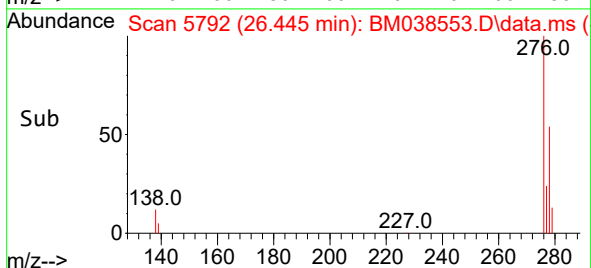
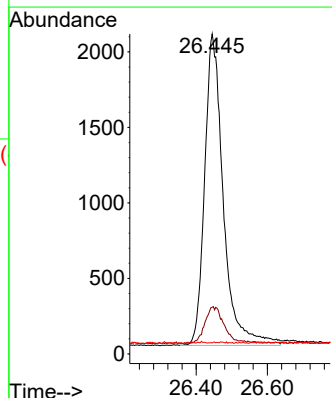
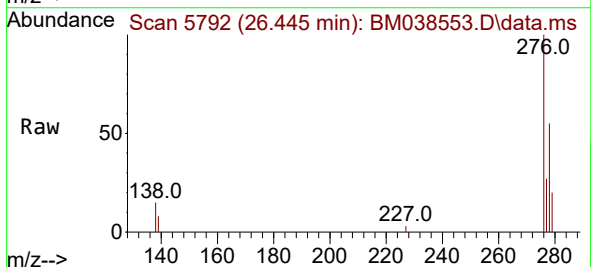
Tgt Ion:276 Resp: 7524

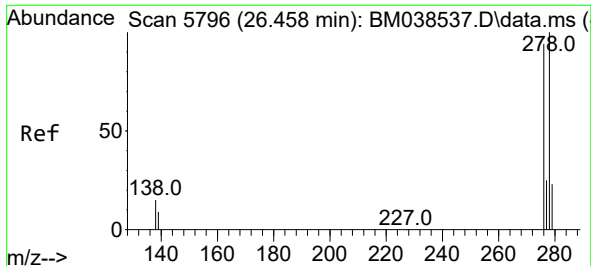
Ion Ratio Lower Upper

276 100

138 11.6 11.7 17.5#

227 0.1 0.3 0.5#

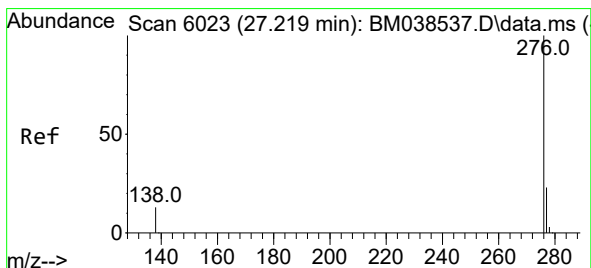
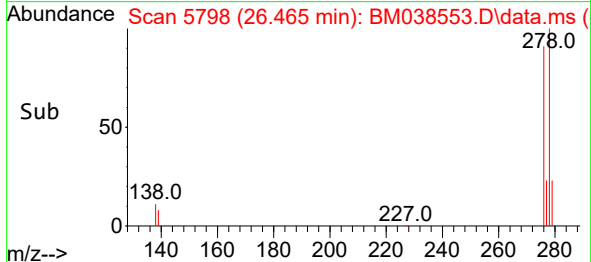
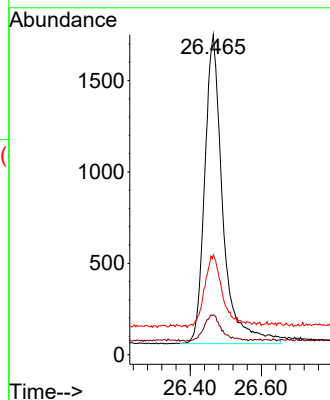
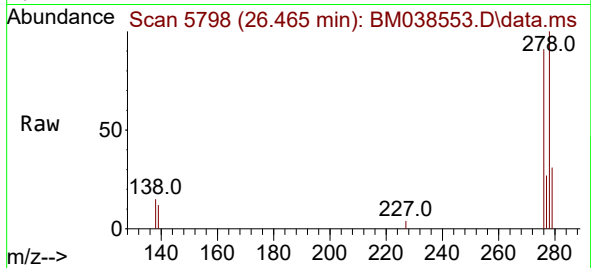




#28
Dibenzo(a,h)anthracene
Concen: 0.360 ng/ul
RT: 26.465 min Scan# 51
Delta R.T. 0.007 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Instrument :
BNA_M
ClientSampleId :
SSTD0.4066

Tgt Ion:278 Resp: 5973
Ion Ratio Lower Upper
278 100
139 12.5 9.8 14.8
279 31.2 23.3 34.9



#29
Benzo(g,h,i)perylene
Concen: 0.369 ng/ul
RT: 27.219 min Scan# 6023
Delta R.T. 0.000 min
Lab File: BM038553.D
Acq: 26 Jan 2023 17:33

Tgt Ion:276 Resp: 6670
Ion Ratio Lower Upper
276 100
138 13.3 12.6 19.0
277 26.6 20.5 30.7

