

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038586.D
 Acq On : 27 Jan 2023 15:02
 Operator : CG/JU
 Sample : 01227-09MS
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX9G4MS

Quant Time: Jan 27 22:00:05 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)

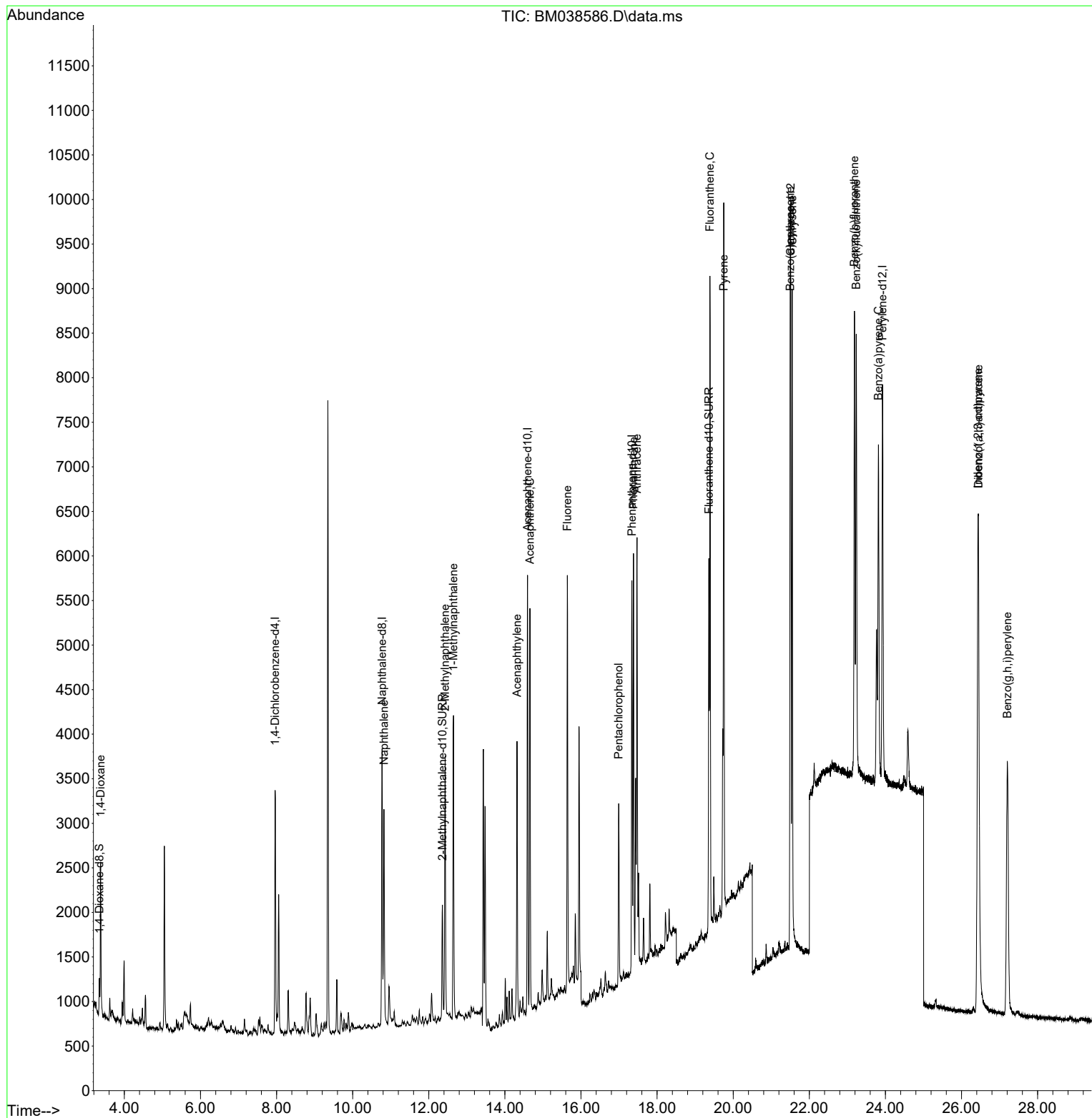
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	1502	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	4415	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.597	164	2719	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	5624	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.512	240	5648	0.400	ng/ul	# 0.00
23) Perylene-d12	23.924	264	6205	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	290	0.147	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	1806	0.264	ng/ul	0.00
18) Fluoranthene-d10	19.362	212	4856	0.301	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	1201	0.600	ng/ul#	24
5) Naphthalene	10.823	128	3210	0.224	ng/ul	99
7) 2-Methylnaphthalene	12.429	142	2089	0.276	ng/ul	97
8) 1-Methylnaphthalene	12.649	142	2244	0.287	ng/ul	100
10) Acenaphthylene	14.319	152	3596	0.300	ng/ul	94
11) Acenaphthene	14.657	153	2550	0.279	ng/ul	99
12) Fluorene	15.642	166	2985	0.262	ng/ul#	97
14) Pentachlorophenol	16.991	266	1420	0.620	ng/ul	99
15) Phenanthrene	17.379	178	4936	0.272	ng/ul#	92
16) Anthracene	17.472	178	5123	0.331	ng/ul#	93
19) Fluoranthene	19.389	202	6578	0.327	ng/ul#	93
20) Pyrene	19.752	202	6721	0.310	ng/ul#	95
21) Benzo(a)anthracene	21.498	228	6337	0.316	ng/ul#	93
22) Chrysene	21.550	228	6220	0.309	ng/ul#	92
24) Benzo(b)fluoranthene	23.184	252	6897	0.295	ng/ul	88
25) Benzo(k)fluoranthene	23.234	252	6789	0.299	ng/ul#	89
26) Benzo(a)pyrene	23.816	252	5978	0.285	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.431	276	8478	0.287	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.444	278	6828	0.291	ng/ul#	92
29) Benzo(g,h,i)perylene	27.206	276	7234	0.282	ng/ul	97

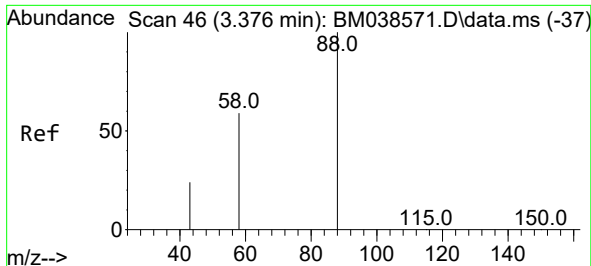
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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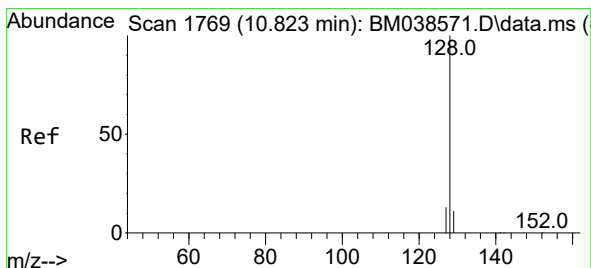
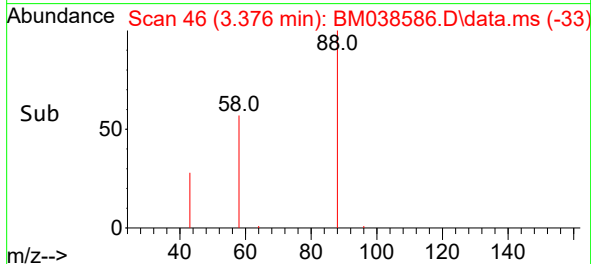
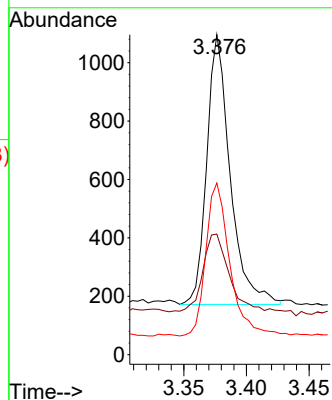
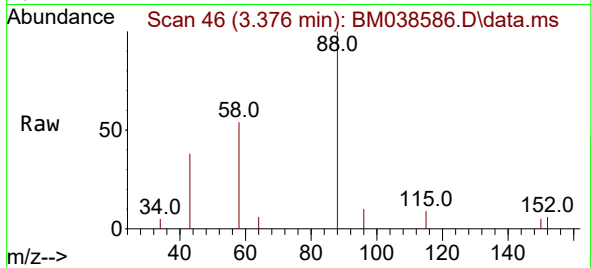




#2
1,4-Dioxane
Concen: 0.600 ng/ul
RT: 3.376 min Scan# 46
Delta R.T. -0.004 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

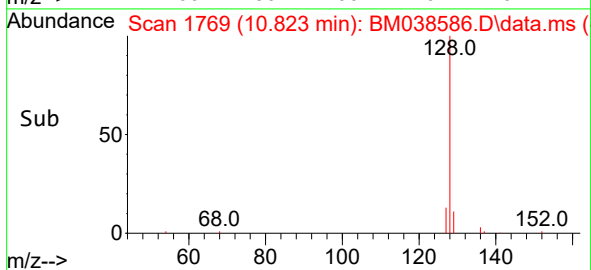
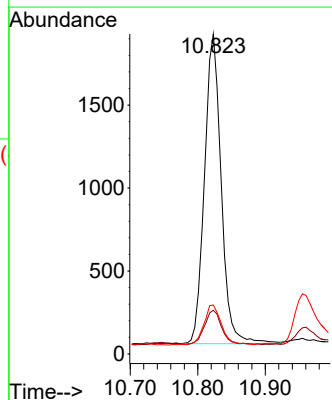
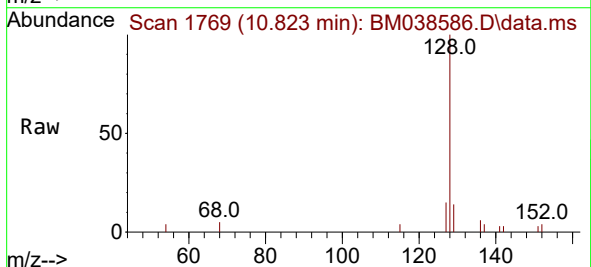
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

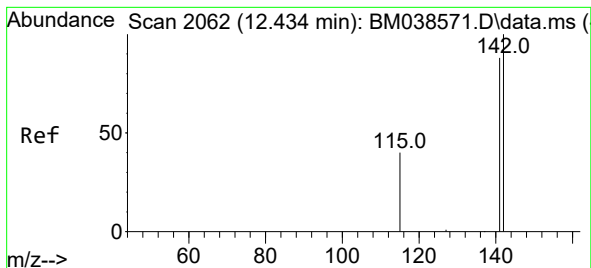
Tgt Ion: 88 Resp: 1201
Ion Ratio Lower Upper
88 100
43 37.7 141.3 211.9#
58 53.6 45.7 68.5



#5
Naphthalene
Concen: 0.224 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion: 128 Resp: 3210
Ion Ratio Lower Upper
128 100
129 13.6 10.3 15.5
127 15.3 11.9 17.9

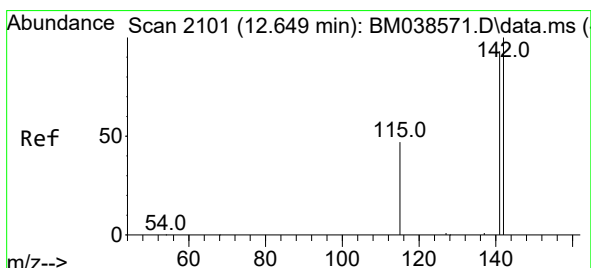
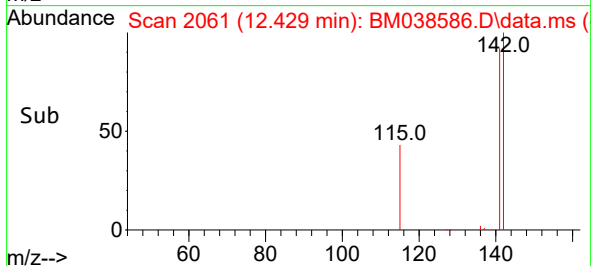
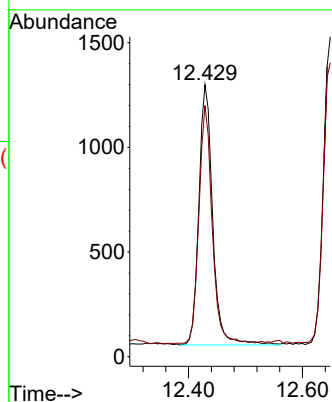
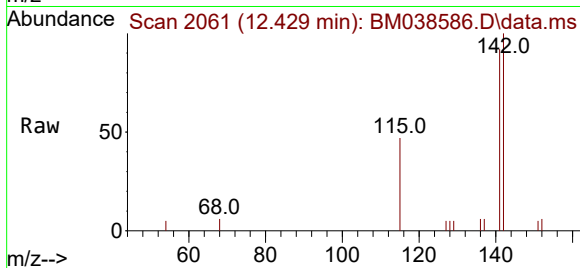




#7
2-Methylnaphthalene
Concen: 0.276 ng/ul
RT: 12.429 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

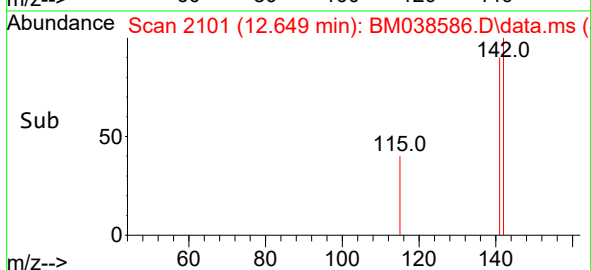
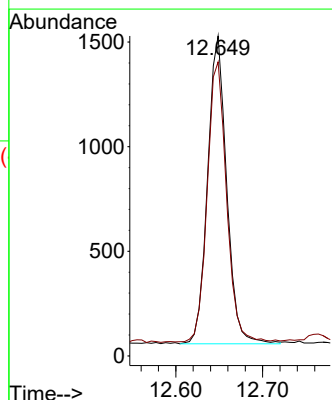
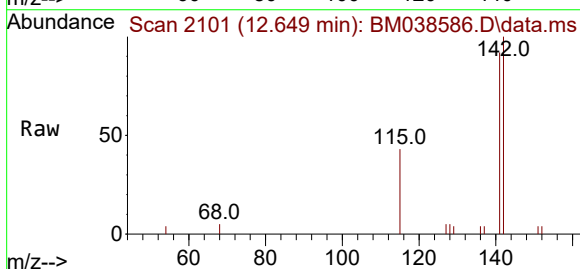
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

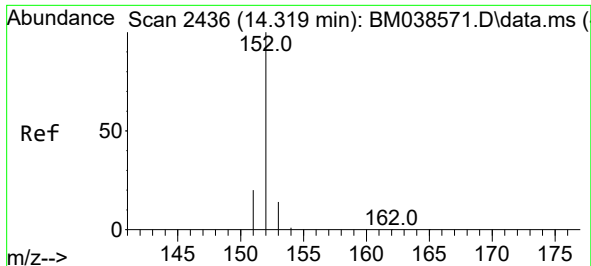
Tgt Ion:142 Resp: 2089
Ion Ratio Lower Upper
142 100
141 89.0 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.287 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:142 Resp: 2244
Ion Ratio Lower Upper
142 100
141 92.1 74.0 111.0

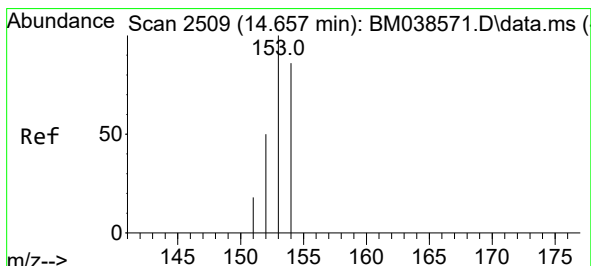
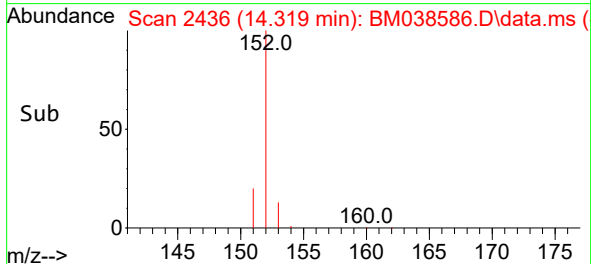
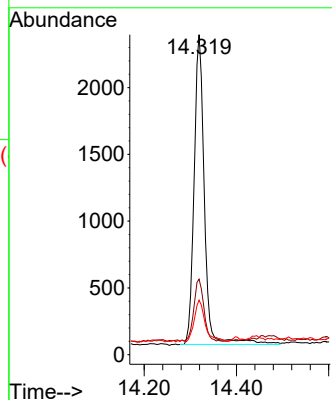
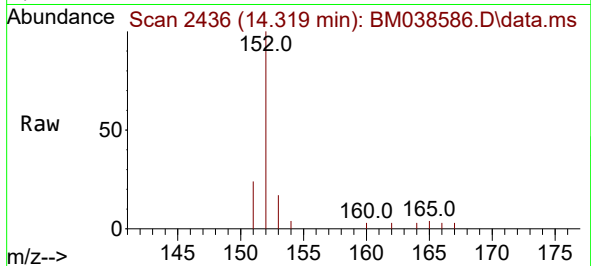




#10
Acenaphthylene
Concen: 0.300 ng/ul
RT: 14.319 min Scan# 2436
Delta R.T. -0.005 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

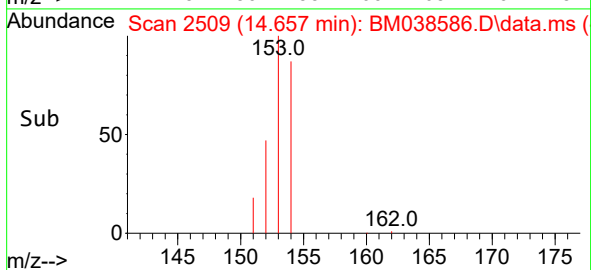
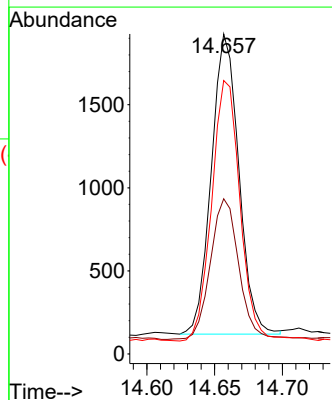
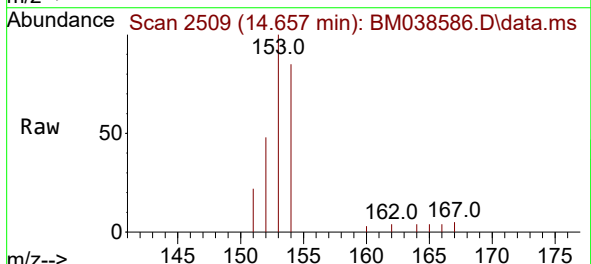
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

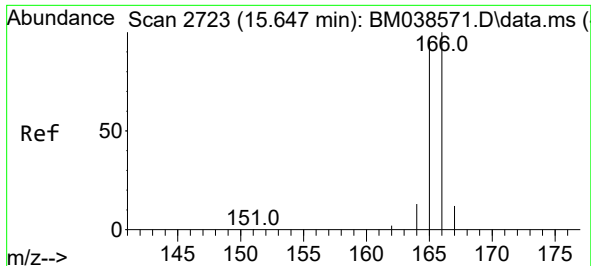
Tgt Ion:152 Resp: 3596
Ion Ratio Lower Upper
152 100
151 23.6 16.3 24.5
153 17.0 11.8 17.6



#11
Acenaphthene
Concen: 0.279 ng/ul
RT: 14.657 min Scan# 2509
Delta R.T. -0.005 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:153 Resp: 2550
Ion Ratio Lower Upper
153 100
152 48.5 40.1 60.1
154 85.5 68.4 102.6

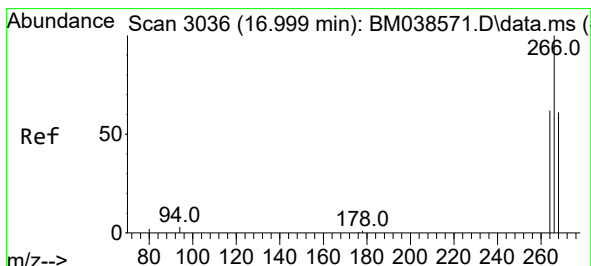
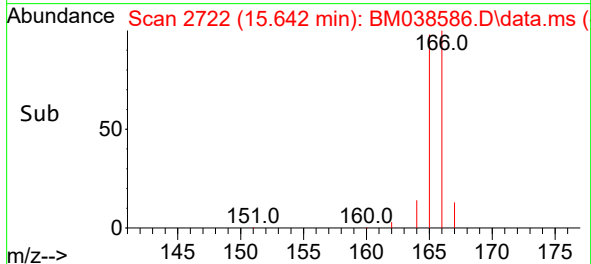
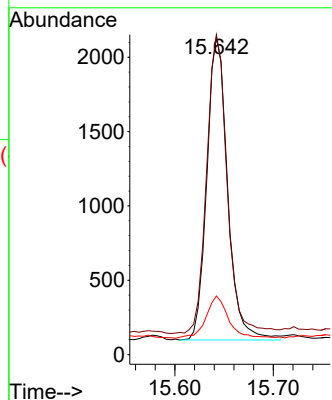
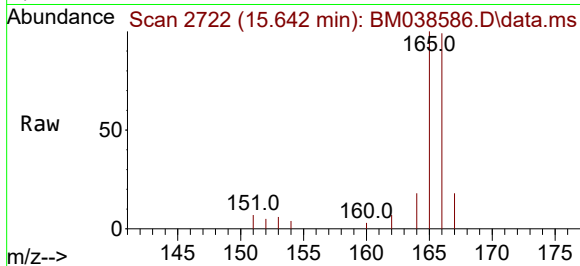




#12
Fluorene
Concen: 0.262 ng/ul
RT: 15.642 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

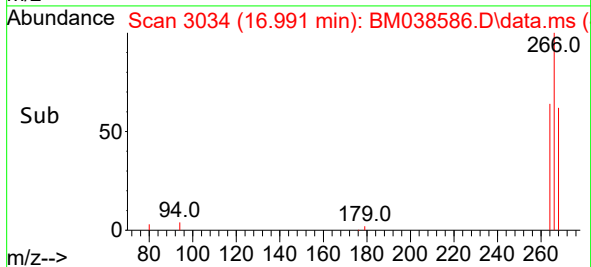
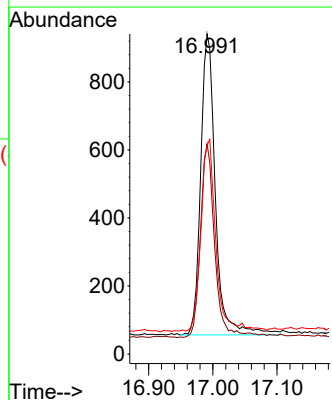
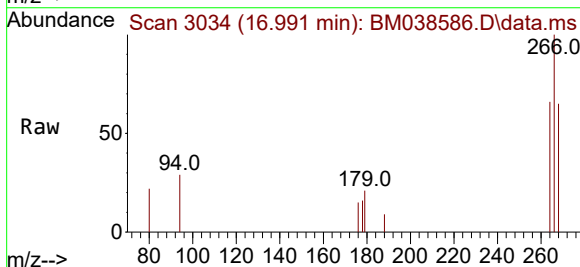
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

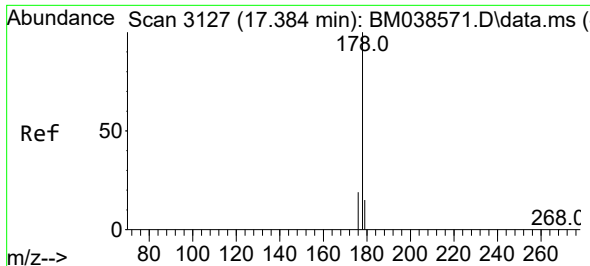
Tgt Ion:166 Resp: 2985
Ion Ratio Lower Upper
166 100
165 100.7 79.3 118.9
167 18.5 11.9 17.9#



#14
Pentachlorophenol
Concen: 0.620 ng/ul
RT: 16.991 min Scan# 3034
Delta R.T. -0.009 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:266 Resp: 1420
Ion Ratio Lower Upper
266 100
264 63.7 49.4 74.2
268 64.7 51.7 77.5

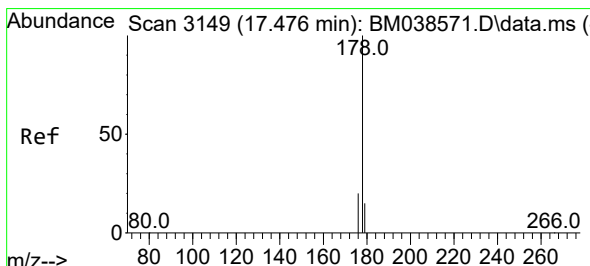
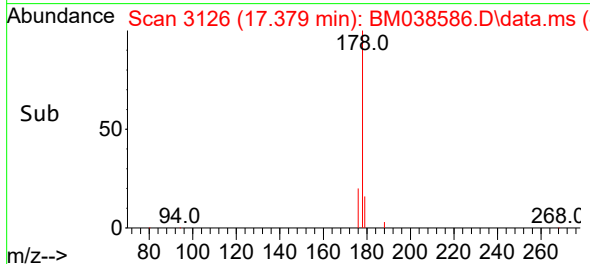
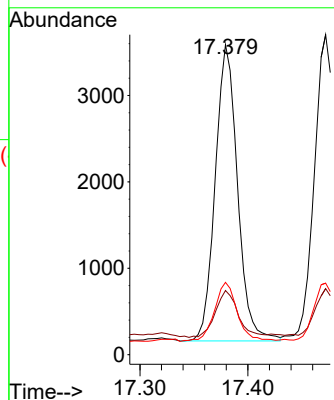
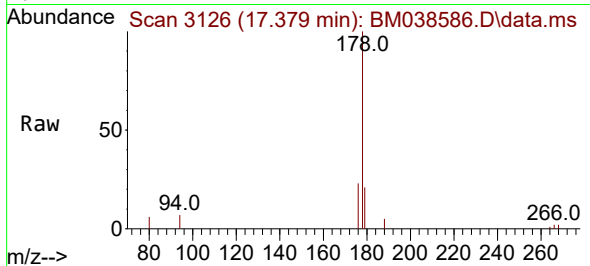




#15
Phenanthrene
Concen: 0.272 ng/ul
RT: 17.379 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

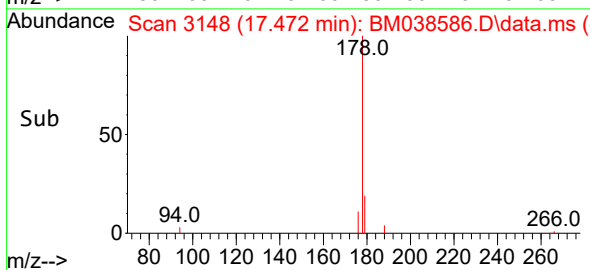
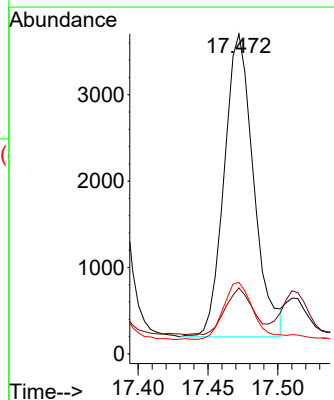
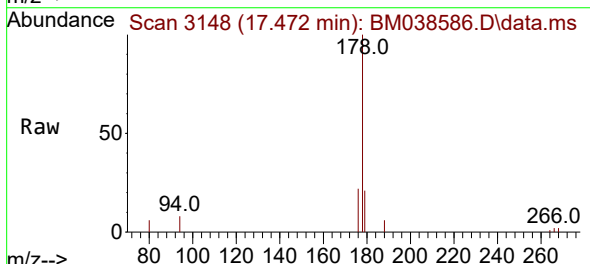
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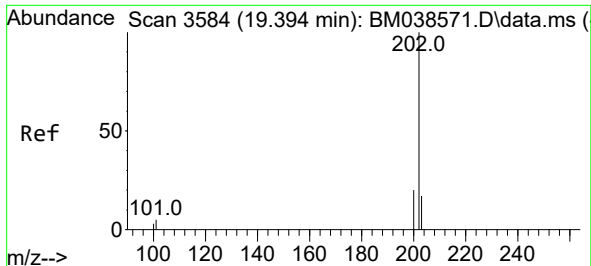
Tgt Ion:178 Resp: 4936
Ion Ratio Lower Upper
178 100
179 20.7 13.0 19.4#
176 23.3 16.4 24.6



#16
Anthracene
Concen: 0.331 ng/ul
RT: 17.472 min Scan# 3148
Delta R.T. -0.004 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:178 Resp: 5123
Ion Ratio Lower Upper
178 100
179 20.6 13.2 19.8#
176 22.3 16.2 24.4

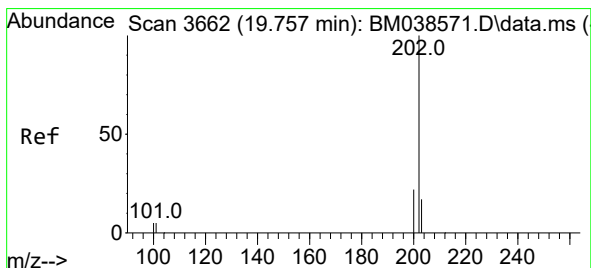
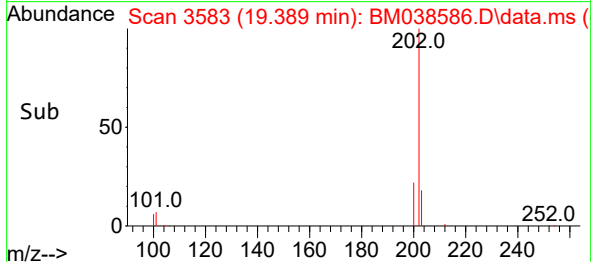
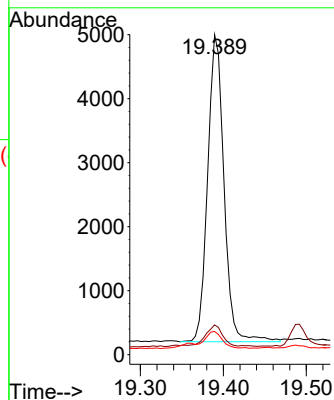
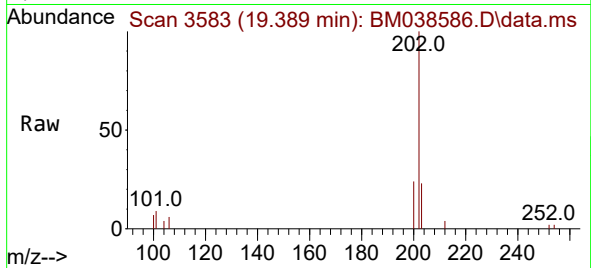




#19
Fluoranthene
Concen: 0.327 ng/ul
RT: 19.389 min Scan# 3583
Delta R.T. -0.005 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

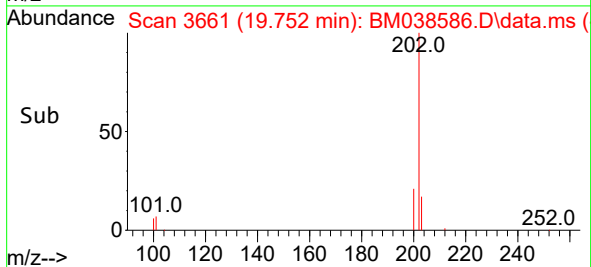
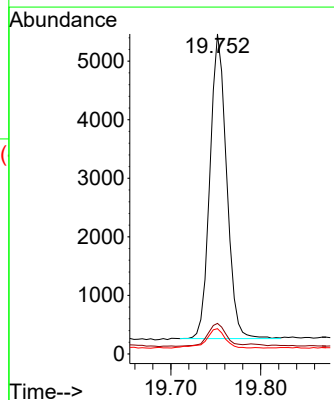
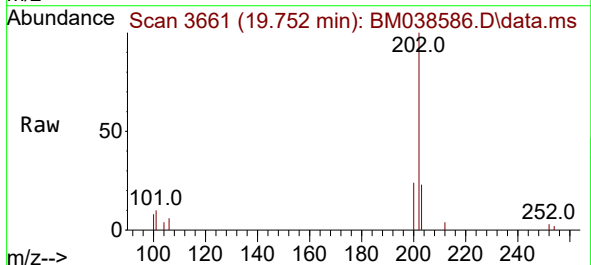
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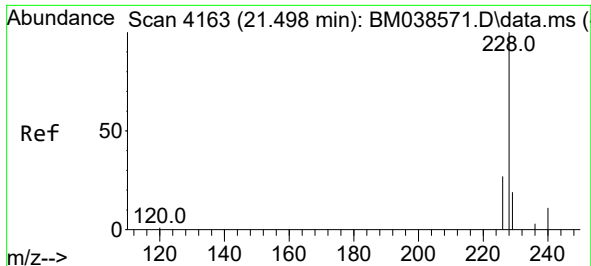
Tgt Ion:202 Resp: 6578
Ion Ratio Lower Upper
202 100
101 9.3 5.3 7.9#
100 7.2 4.2 6.2#



#20
Pyrene
Concen: 0.310 ng/ul
RT: 19.752 min Scan# 3661
Delta R.T. -0.005 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:202 Resp: 6721
Ion Ratio Lower Upper
202 100
101 9.6 5.9 8.9#
100 7.9 5.2 7.8#

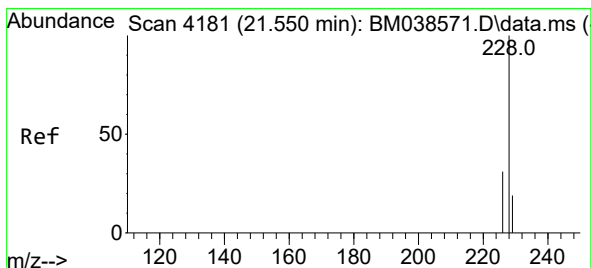
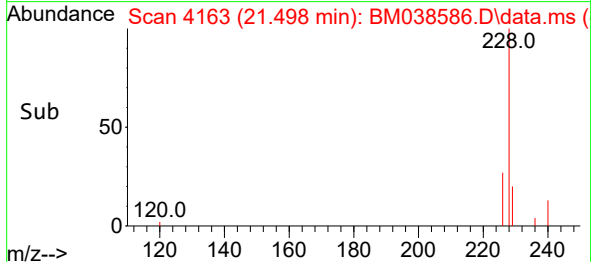
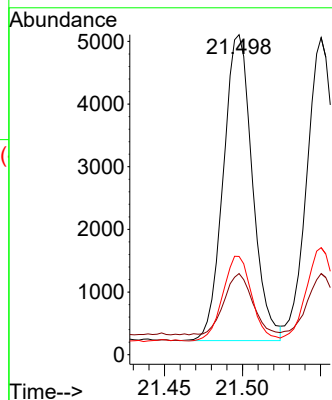
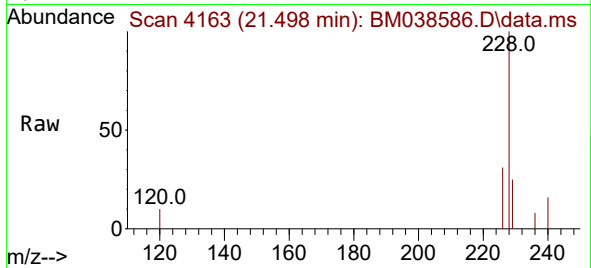




#21
Benzo(a)anthracene
Concen: 0.316 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

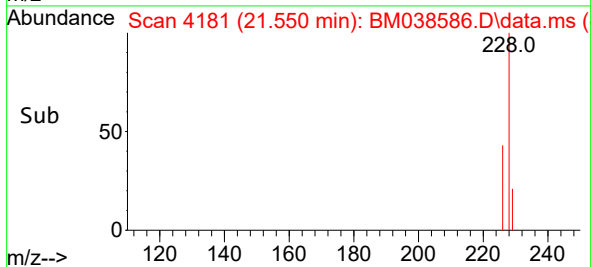
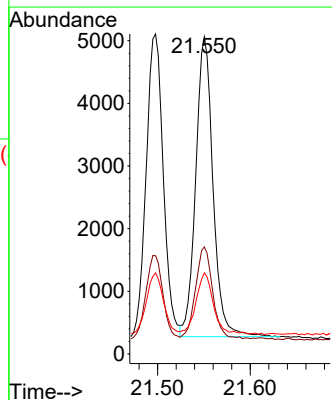
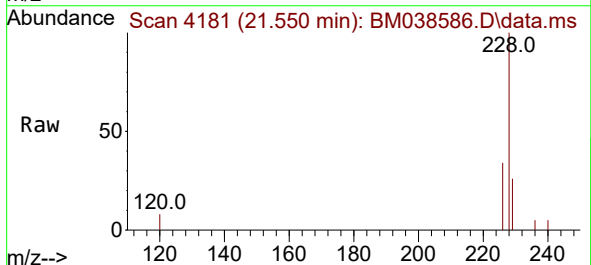
Instrument :
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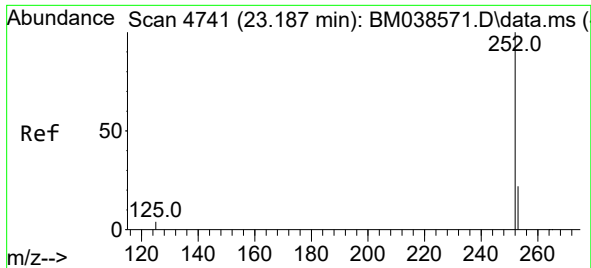
Tgt Ion:228 Resp: 6337
Ion Ratio Lower Upper
228 100
229 25.4 16.7 25.1#
226 30.7 22.2 33.4



#22
Chrysene
Concen: 0.309 ng/ul
RT: 21.550 min Scan# 4181
Delta R.T. -0.003 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:228 Resp: 6220
Ion Ratio Lower Upper
228 100
226 33.8 24.6 36.8
229 25.6 16.2 24.4#

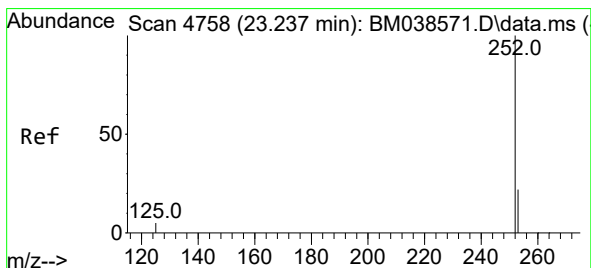
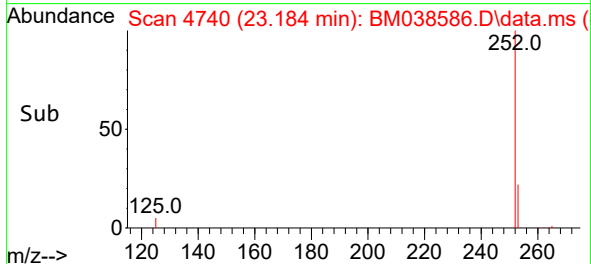
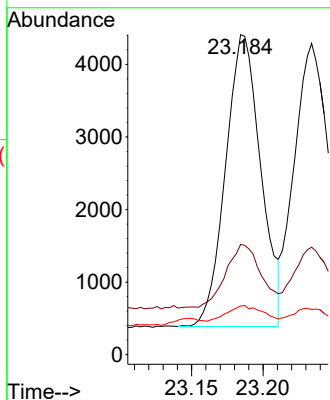
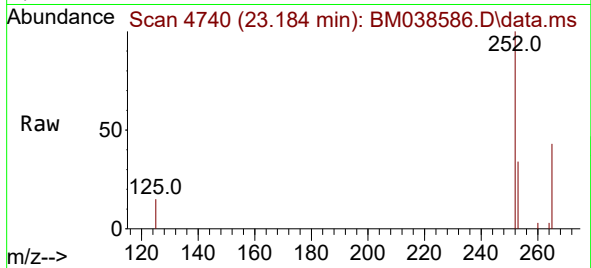




#24
Benzo(b)fluoranthene
Concen: 0.295 ng/ul
RT: 23.184 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

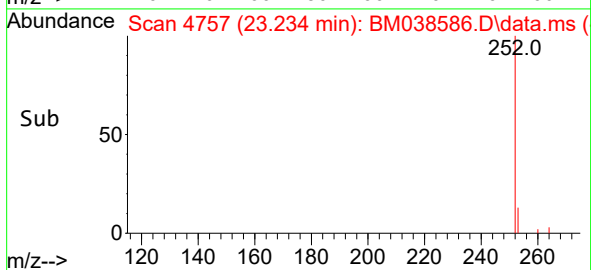
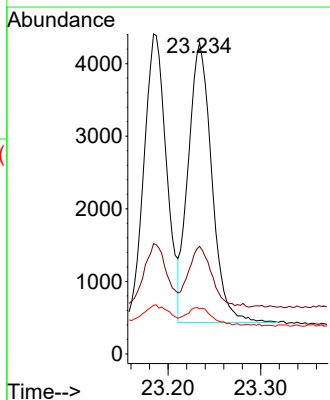
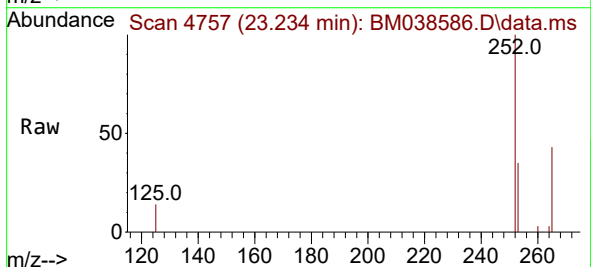
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

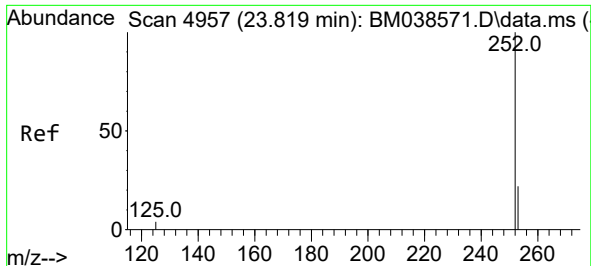
Tgt Ion:252 Resp: 6897
Ion Ratio Lower Upper
252 100
253 34.5 0.0 56.6
125 15.2 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.299 ng/ul
RT: 23.234 min Scan# 4757
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:252 Resp: 6789
Ion Ratio Lower Upper
252 100
253 34.5 23.1 34.7
125 14.5 8.4 12.6#

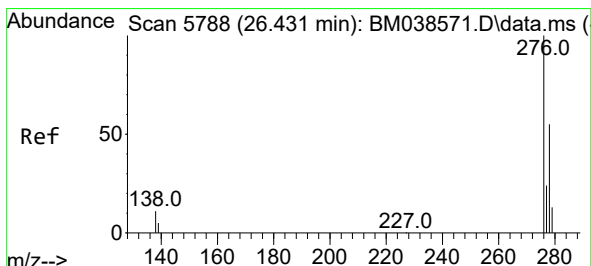
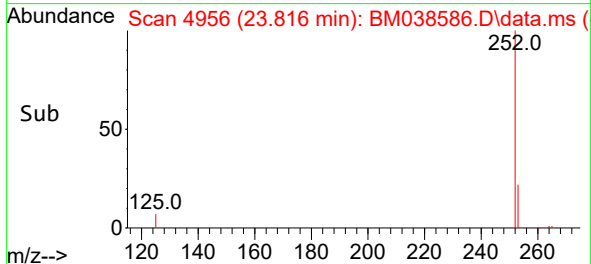
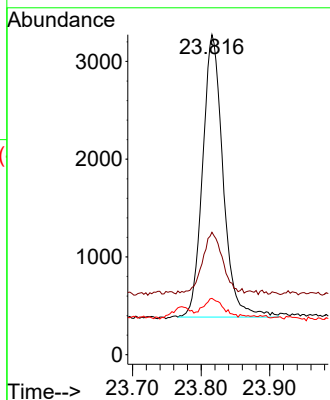
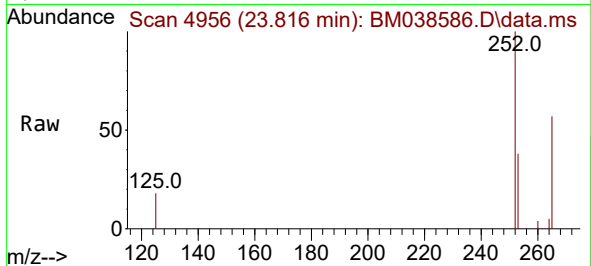




#26
Benzo(a)pyrene
Concen: 0.285 ng/ul
RT: 23.816 min Scan# 4957
Delta R.T. -0.006 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

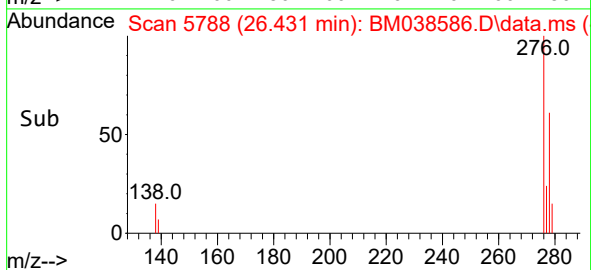
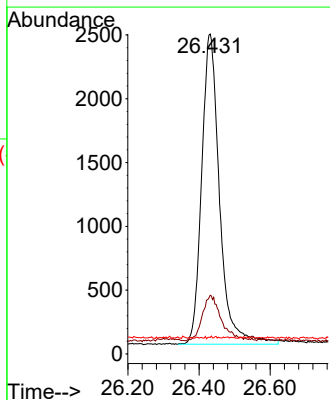
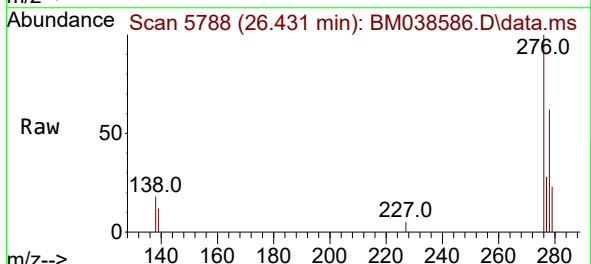
Instrument :
BNA_M
ClientSampleId :
EX9G4MS

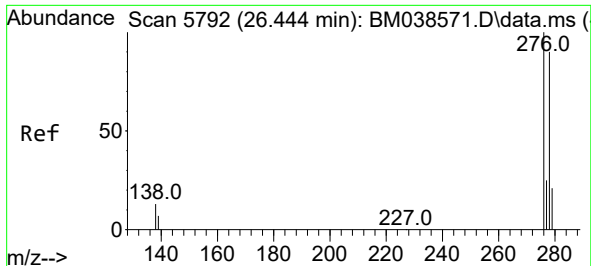
Tgt Ion:252 Resp: 5978
Ion Ratio Lower Upper
252 100
253 38.3 25.1 37.7#
125 17.6 10.0 15.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.287 ng/ul
RT: 26.431 min Scan# 5788
Delta R.T. -0.010 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:276 Resp: 8478
Ion Ratio Lower Upper
276 100
138 15.6 11.7 17.5
227 0.2 0.3 0.5#

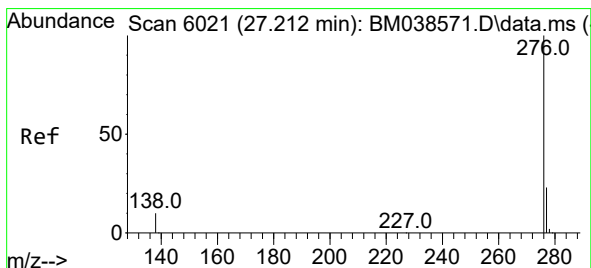
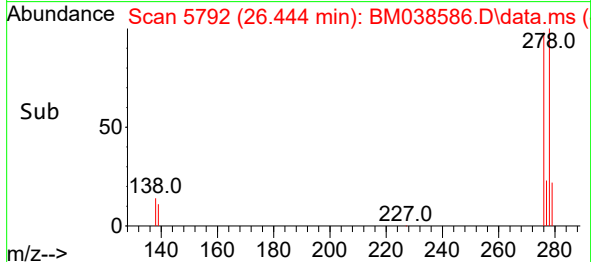
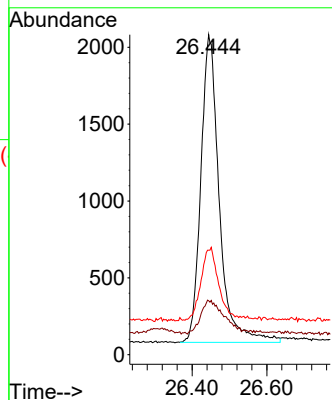
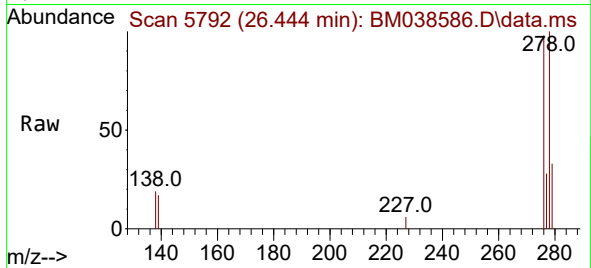




#28
Dibenzo(a,h)anthracene
Concen: 0.291 ng/ul
RT: 26.444 min Scan# 5792
Delta R.T. -0.014 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Instrument :
BNA_M
ClientSampleId :
EX9G4MS

Tgt Ion:278 Resp: 6828
Ion Ratio Lower Upper
278 100
139 16.9 9.8 14.8#
279 32.7 23.3 34.9



#29
Benzo(g,h,i)perylene
Concen: 0.282 ng/ul
RT: 27.206 min Scan# 6019
Delta R.T. -0.014 min
Lab File: BM038586.D
Acq: 27 Jan 2023 15:02

Tgt Ion:276 Resp: 7234
Ion Ratio Lower Upper
276 100
138 16.5 12.6 19.0
277 27.4 20.5 30.7

