

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038587.D
 Acq On : 27 Jan 2023 15:39
 Operator : CG/JU
 Sample : 01227-10MSD
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX9G4MSD

Quant Time: Jan 27 22:00:17 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

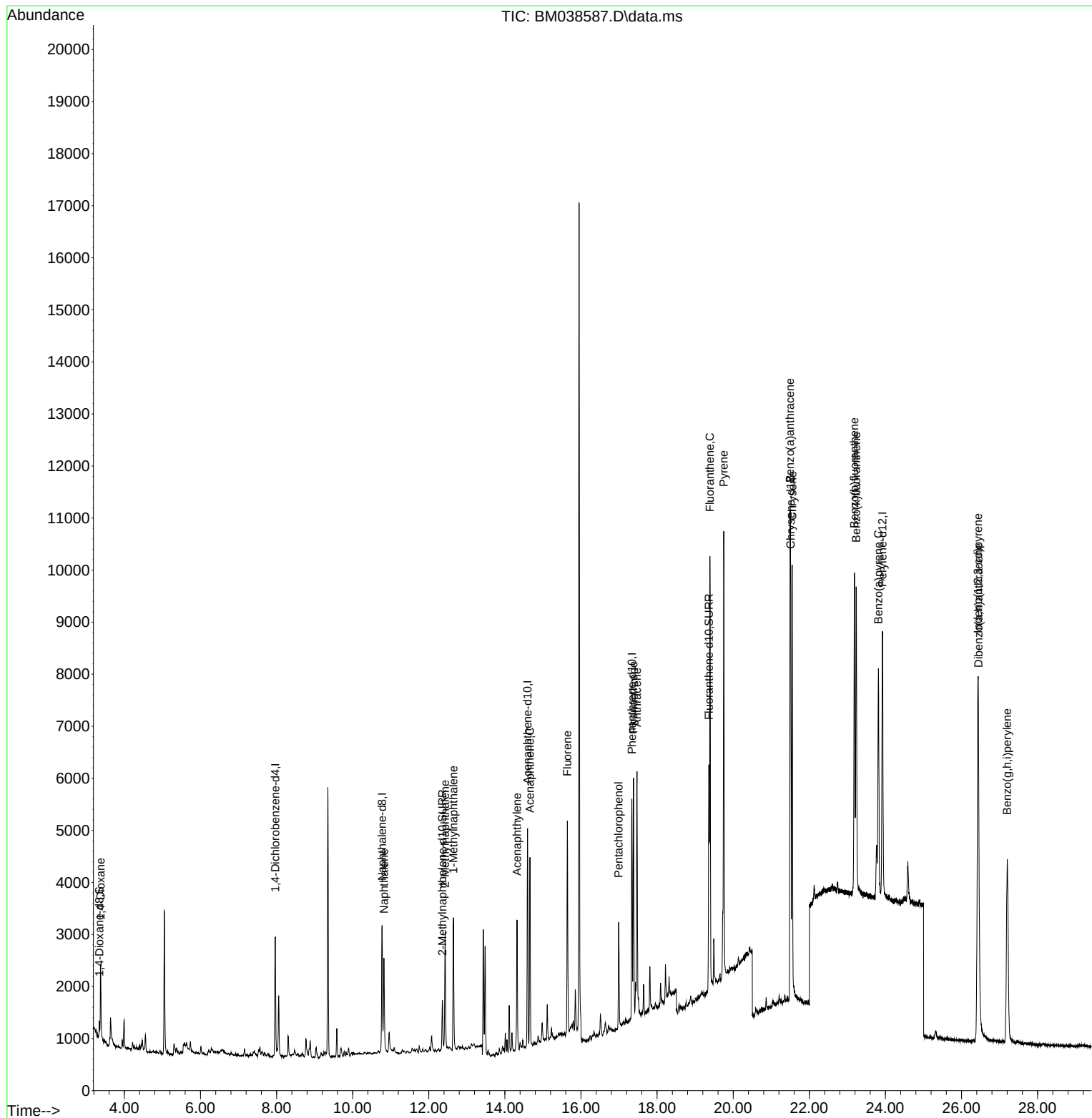
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	1300	0.400	ng/ul	0.00
4) Naphthalene-d8	10.773	136	3620	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.597	164	2292	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	5464	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.512	240	6277	0.400	ng/ul	# 0.00
23) Perylene-d12	23.921	264	6972	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	249	0.146	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	1366	0.243	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	4996	0.279	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	961	0.555	ng/ul#	23
5) Naphthalene	10.823	128	2423	0.206	ng/ul	97
7) 2-Methylnaphthalene	12.429	142	1567	0.252	ng/ul	98
8) 1-Methylnaphthalene	12.649	142	1685	0.263	ng/ul	98
10) Acenaphthylene	14.319	152	2878	0.285	ng/ul	93
11) Acenaphthene	14.657	153	2050	0.266	ng/ul	98
12) Fluorene	15.642	166	2592	0.269	ng/ul#	97
14) Pentachlorophenol	16.991	266	1388	0.624	ng/ul	98
15) Phenanthrene	17.379	178	4935	0.280	ng/ul#	92
16) Anthracene	17.472	178	5353	0.355	ng/ul#	94
19) Fluoranthene	19.389	202	7065	0.316	ng/ul#	91
20) Pyrene	19.752	202	7378	0.307	ng/ul#	95
21) Benzo(a)anthracene	21.495	228	7314	0.328	ng/ul	93
22) Chrysene	21.550	228	7213	0.322	ng/ul#	93
24) Benzo(b)fluoranthene	23.184	252	8236	0.314	ng/ul	90
25) Benzo(k)fluoranthene	23.231	252	7881	0.309	ng/ul#	90
26) Benzo(a)pyrene	23.816	252	7000	0.297	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.431	276	9988	0.301	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.444	278	8133	0.308	ng/ul#	91
29) Benzo(g,h,i)perylene	27.202	276	8525	0.296	ng/ul	98

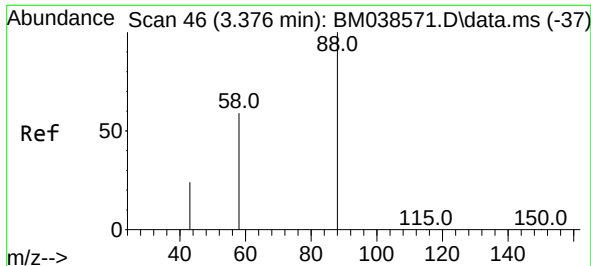
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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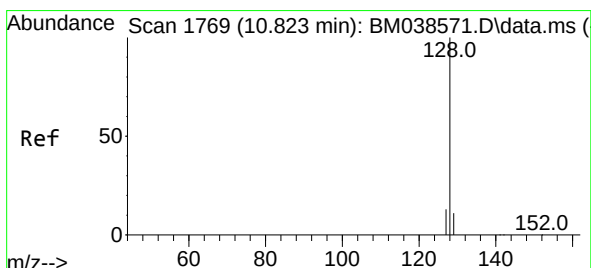
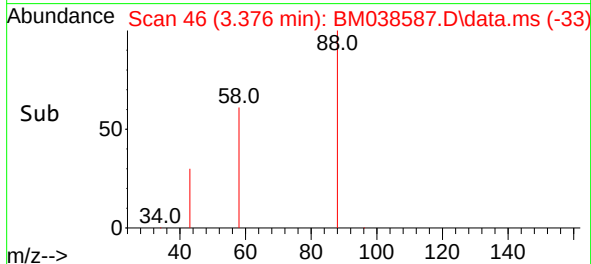
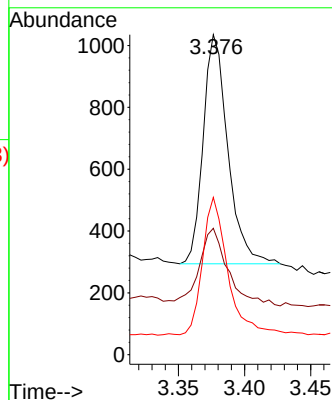
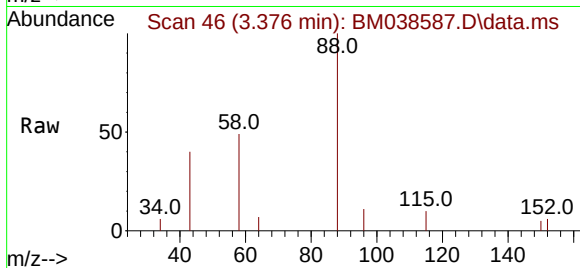




#2
1,4-Dioxane
Concen: 0.555 ng/ul
RT: 3.376 min Scan# 46
Delta R.T. -0.004 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

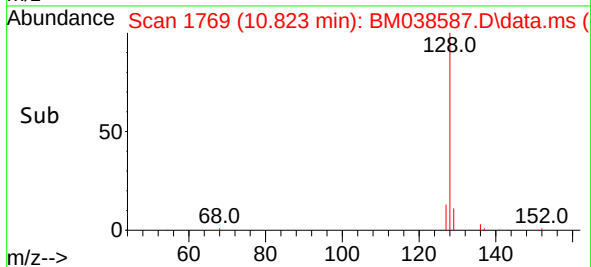
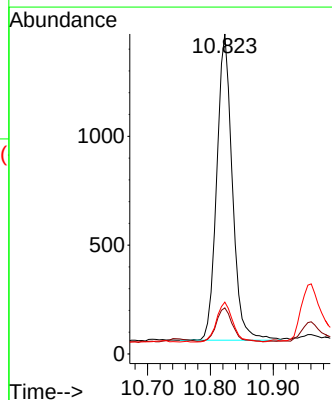
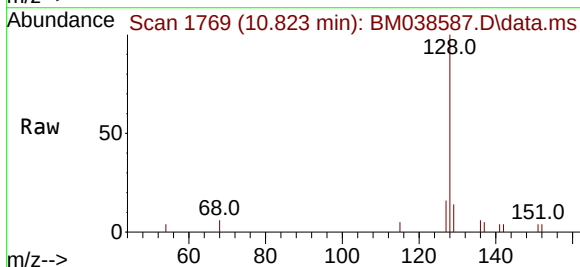
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BNA_M
ClientSampleId :
EX9G4MSD

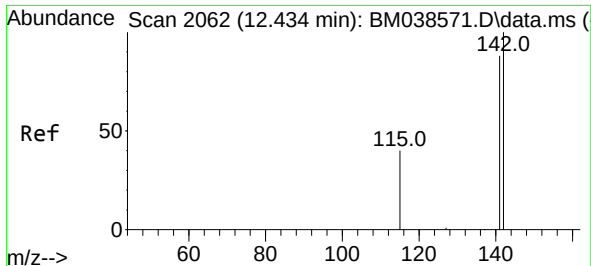
Tgt Ion: 88 Resp: 961
Ion Ratio Lower Upper
88 100
43 39.5 141.3 211.9#
58 49.2 45.7 68.5



#5
Naphthalene
Concen: 0.206 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion: 128 Resp: 2423
Ion Ratio Lower Upper
128 100
129 14.4 10.3 15.5
127 16.2 11.9 17.9

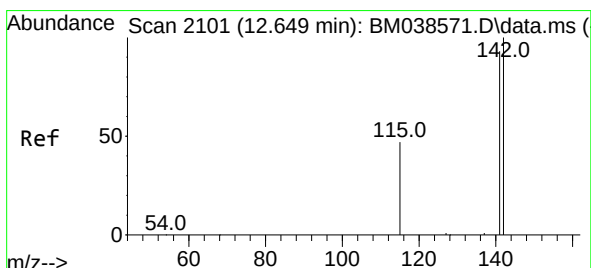
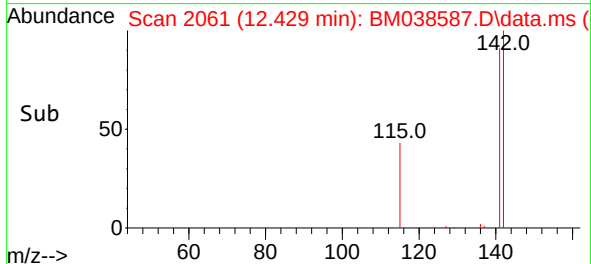
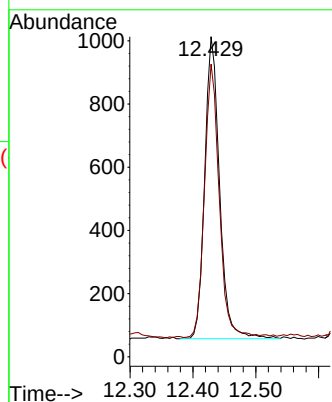
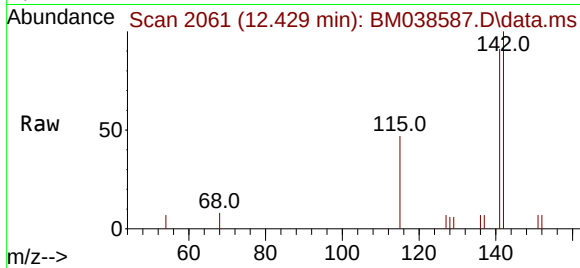




#7
2-Methylnaphthalene
Concen: 0.252 ng/ul
RT: 12.429 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

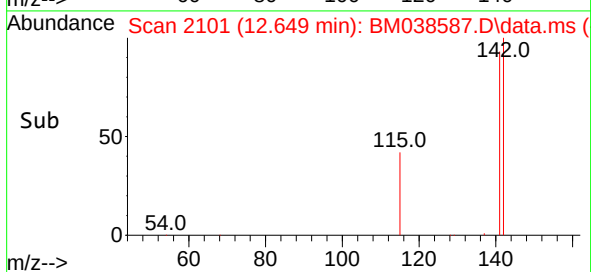
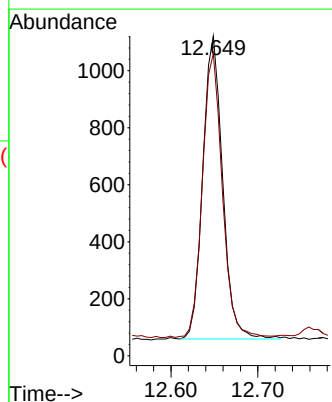
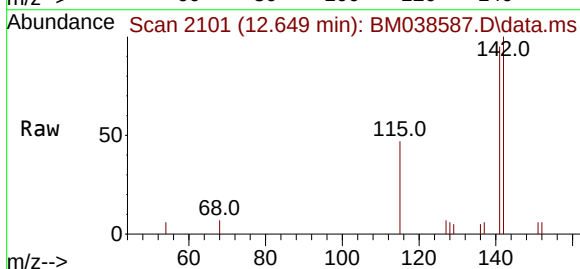
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

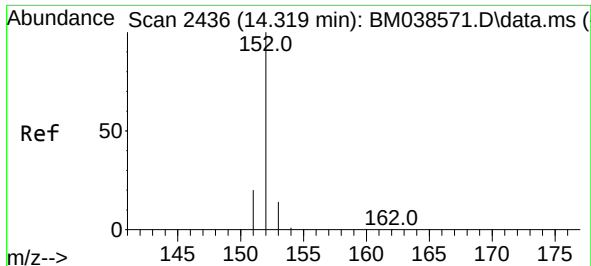
Tgt Ion:142 Resp: 1567
Ion Ratio Lower Upper
142 100
141 90.3 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.263 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:142 Resp: 1685
Ion Ratio Lower Upper
142 100
141 94.4 74.0 111.0

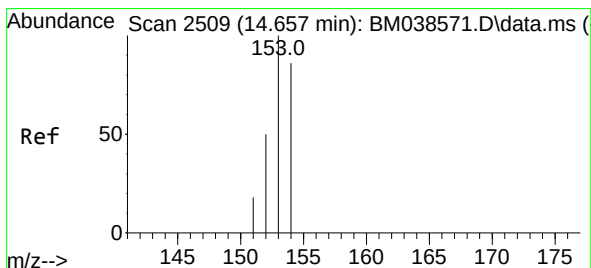
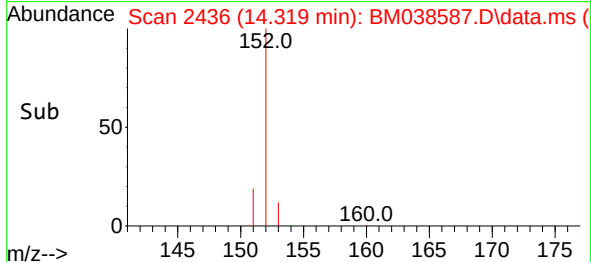
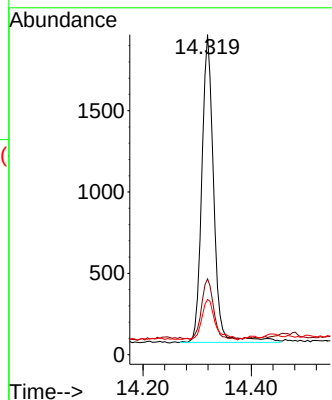
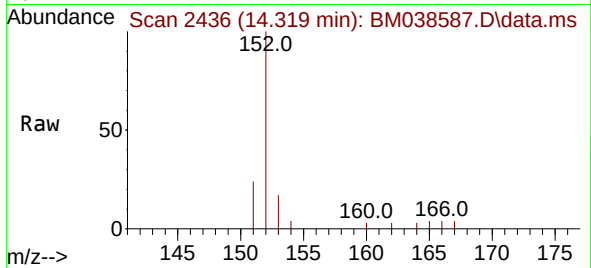




#10
Acenaphthylene
Concen: 0.285 ng/ul
RT: 14.319 min Scan# 2436
Delta R.T. -0.005 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

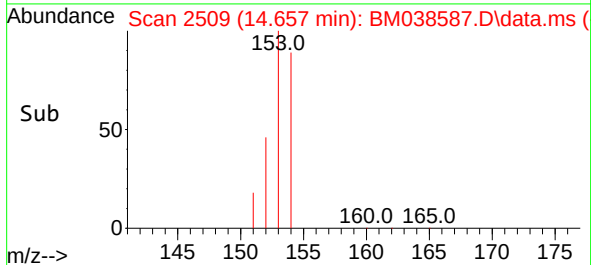
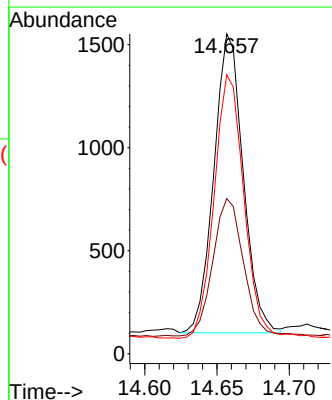
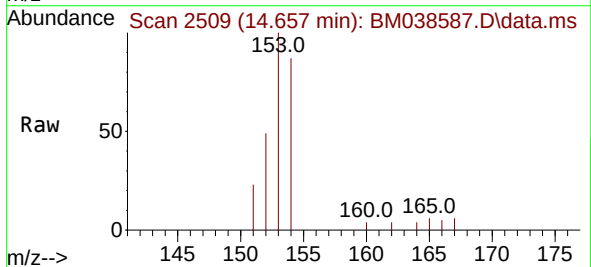
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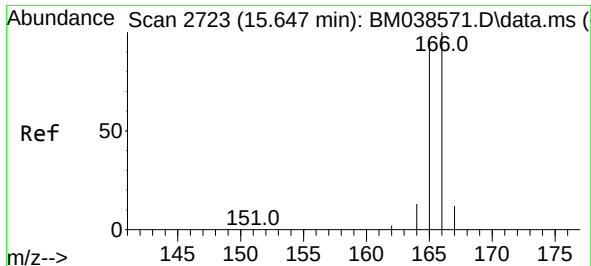
Tgt Ion:152 Resp: 2878
Ion Ratio Lower Upper
152 100
151 23.7 16.3 24.5
153 17.2 11.8 17.6



#11
Acenaphthene
Concen: 0.266 ng/ul
RT: 14.657 min Scan# 2509
Delta R.T. -0.005 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:153 Resp: 2050
Ion Ratio Lower Upper
153 100
152 48.5 40.1 60.1
154 87.2 68.4 102.6

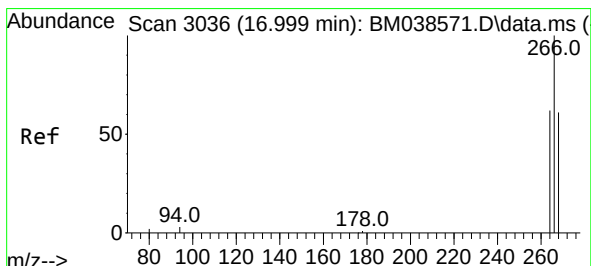
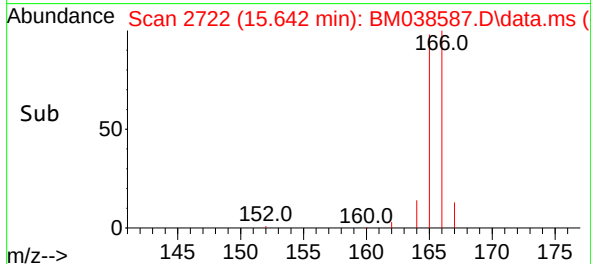
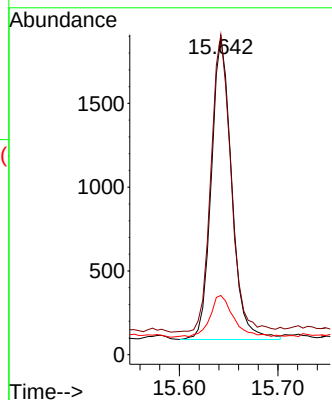
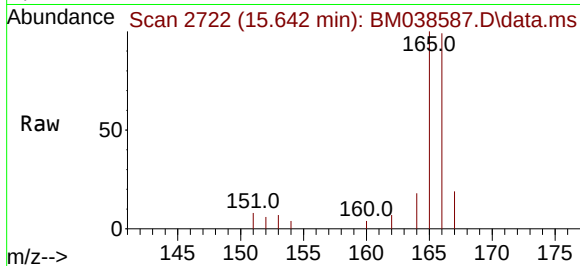




#12
Fluorene
Concen: 0.269 ng/ul
RT: 15.642 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

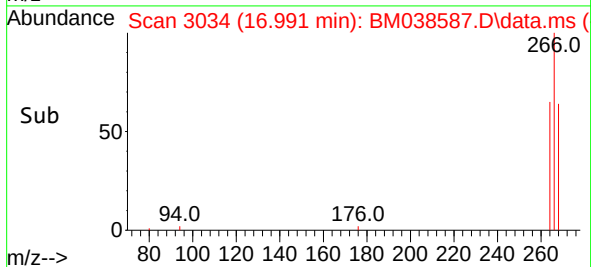
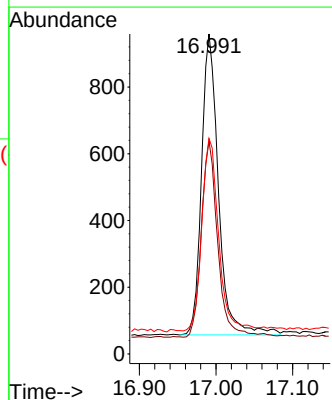
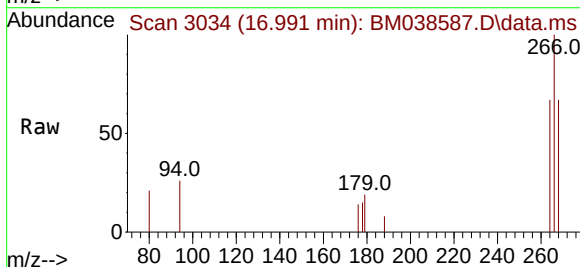
Instrument :
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ClientSampleId :
EX9G4MSD

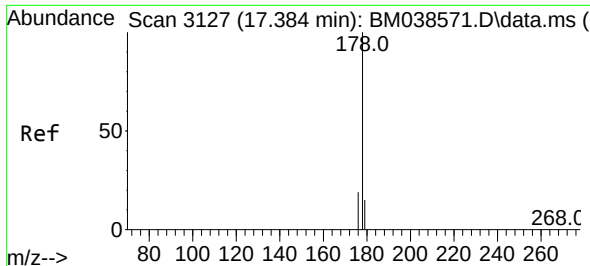
Tgt Ion:166 Resp: 2592
Ion Ratio Lower Upper
166 100
165 100.8 79.3 118.9
167 18.7 11.9 17.9#



#14
Pentachlorophenol
Concen: 0.624 ng/ul
RT: 16.991 min Scan# 3034
Delta R.T. -0.009 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:266 Resp: 1388
Ion Ratio Lower Upper
266 100
264 63.9 49.4 74.2
268 64.9 51.7 77.5

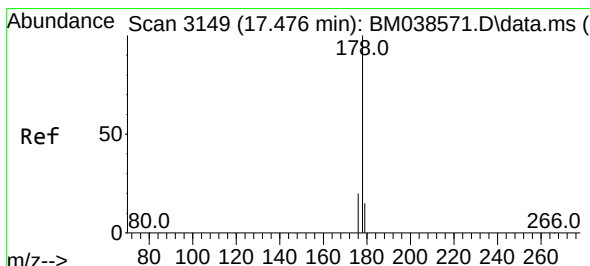
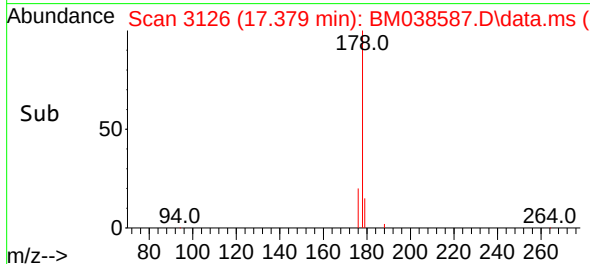
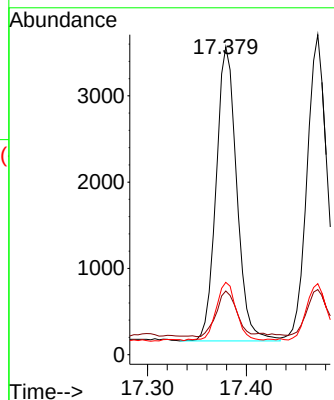
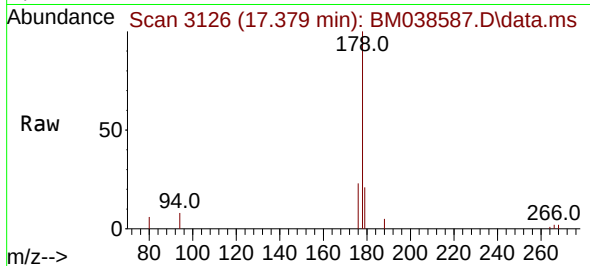




#15
Phenanthrene
Concen: 0.280 ng/u1
RT: 17.379 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

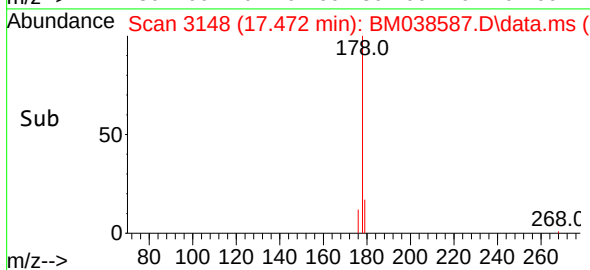
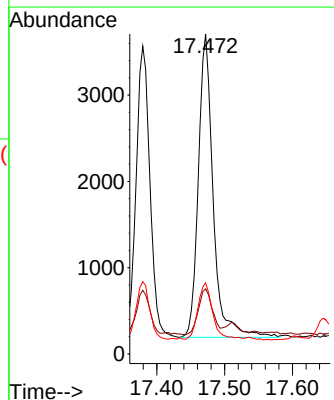
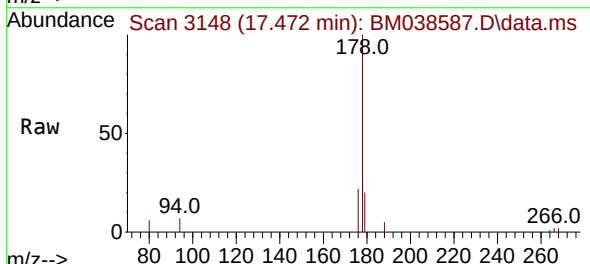
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ClientSampleId :
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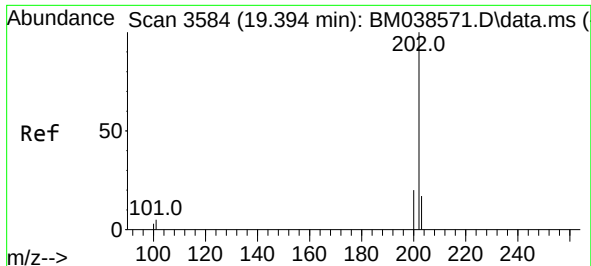
Tgt Ion:178 Resp: 4935
Ion Ratio Lower Upper
178 100
179 20.7 13.0 19.4#
176 23.5 16.4 24.6



#16
Anthracene
Concen: 0.355 ng/u1
RT: 17.472 min Scan# 3148
Delta R.T. -0.004 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:178 Resp: 5353
Ion Ratio Lower Upper
178 100
179 20.4 13.2 19.8#
176 22.2 16.2 24.4

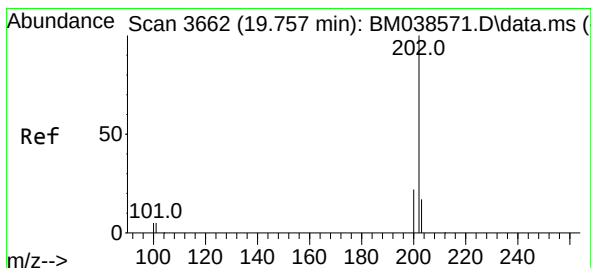
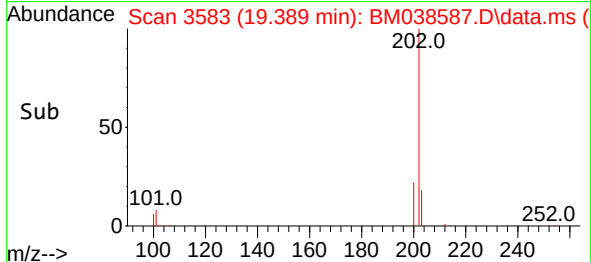
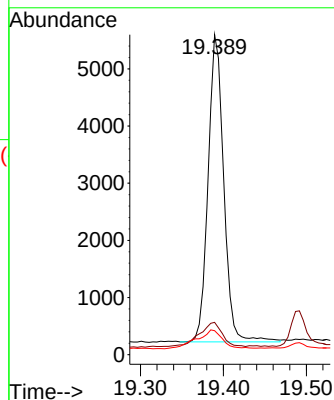
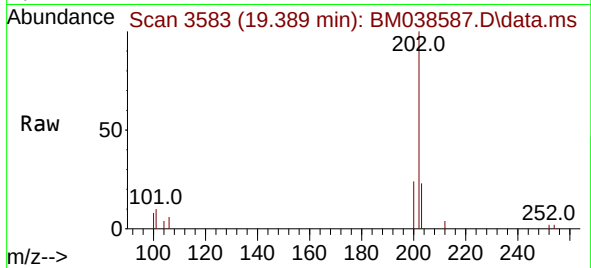




#19
Fluoranthene
Concen: 0.316 ng/u1
RT: 19.389 min Scan# 3583
Delta R.T. -0.005 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

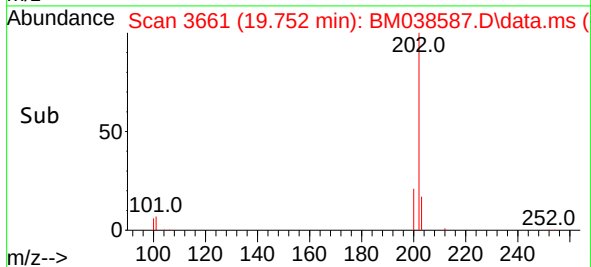
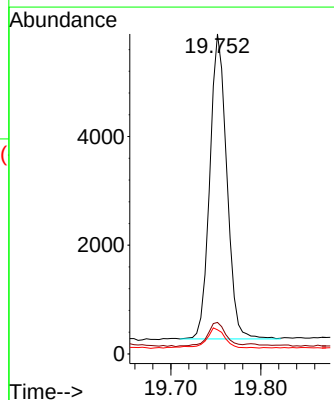
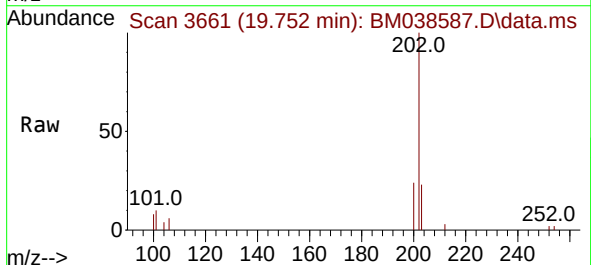
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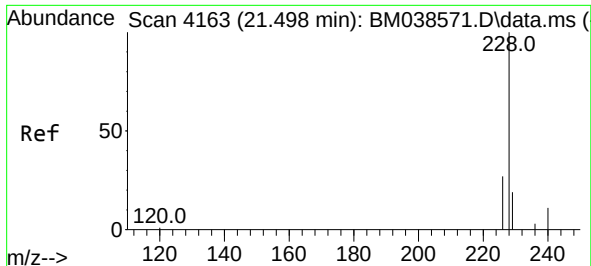
Tgt Ion:202 Resp: 7065
Ion Ratio Lower Upper
202 100
101 10.1 5.3 7.9#
100 7.5 4.2 6.2#



#20
Pyrene
Concen: 0.307 ng/u1
RT: 19.752 min Scan# 3661
Delta R.T. -0.005 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:202 Resp: 7378
Ion Ratio Lower Upper
202 100
101 9.8 5.9 8.9#
100 7.5 5.2 7.8

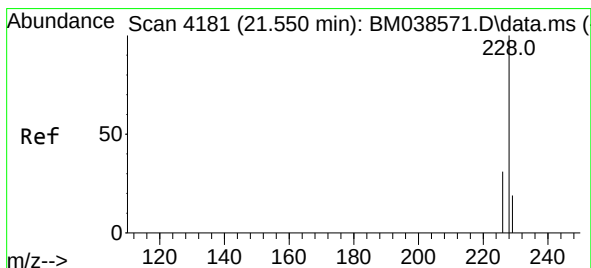
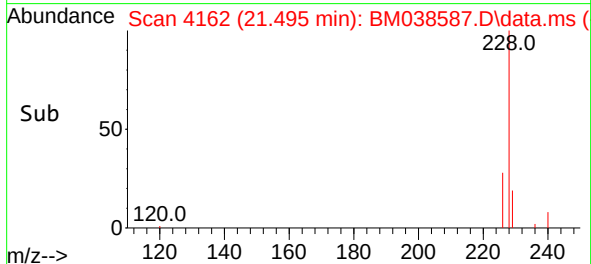
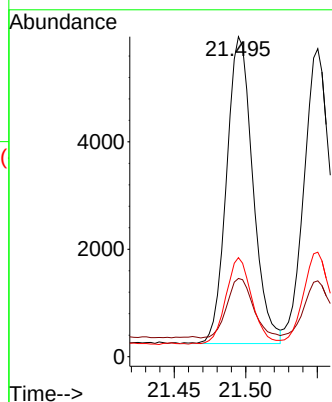
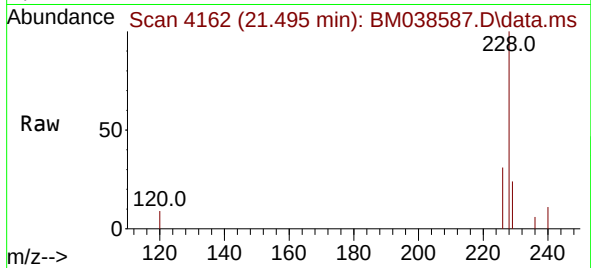




#21
Benzo(a)anthracene
Concen: 0.328 ng/ul
RT: 21.495 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

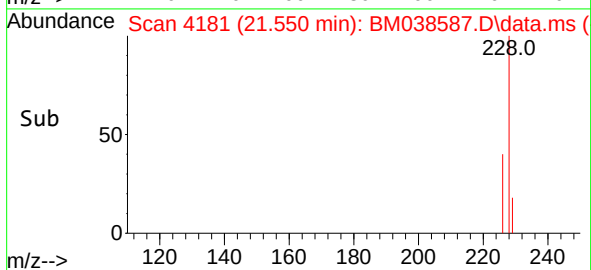
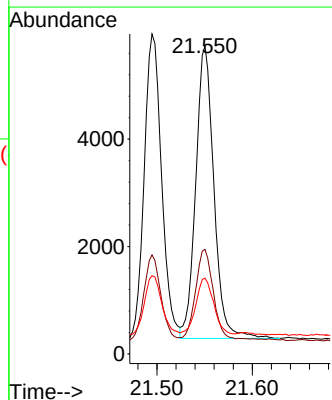
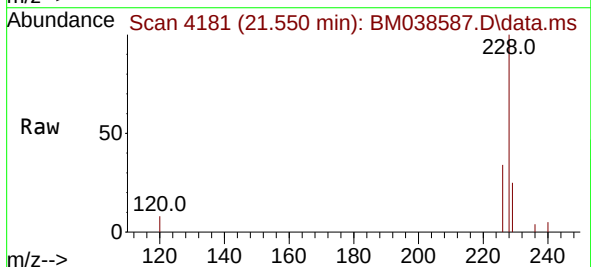
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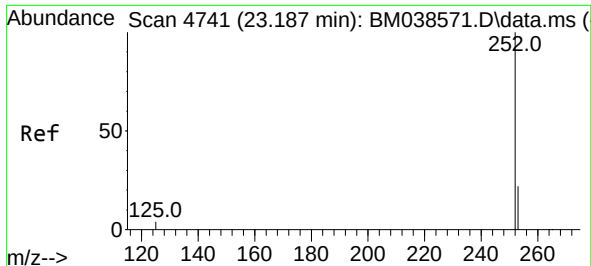
Tgt Ion:228 Resp: 7314
Ion Ratio Lower Upper
228 100
229 24.4 16.7 25.1
226 31.0 22.2 33.4



#22
Chrysene
Concen: 0.322 ng/ul
RT: 21.550 min Scan# 4181
Delta R.T. -0.003 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:228 Resp: 7213
Ion Ratio Lower Upper
228 100
226 33.9 24.6 36.8
229 24.6 16.2 24.4#

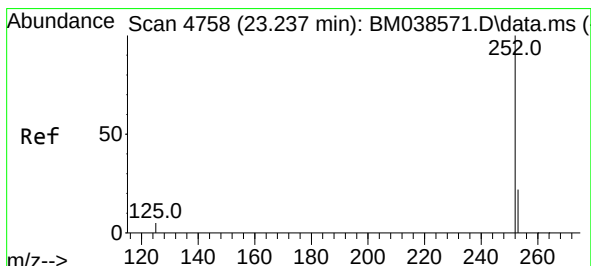
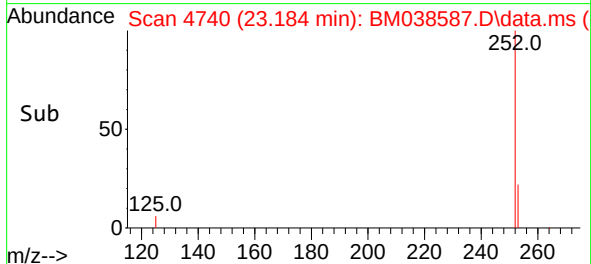
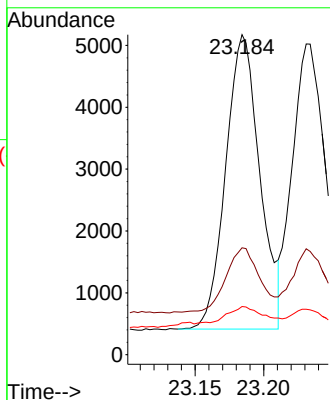
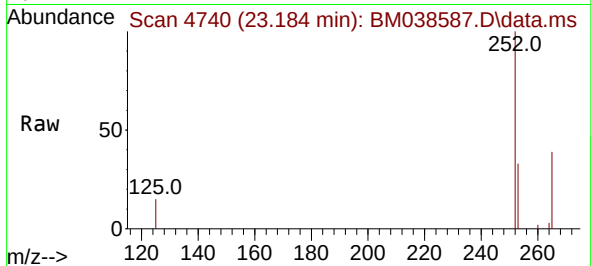




#24
Benzo(b)fluoranthene
Concen: 0.314 ng/ul
RT: 23.184 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

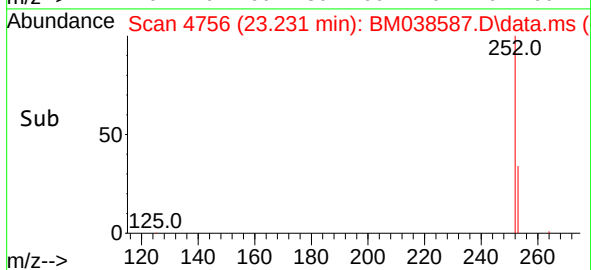
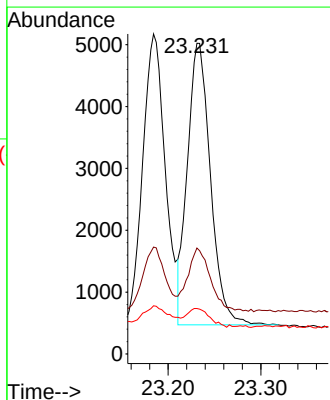
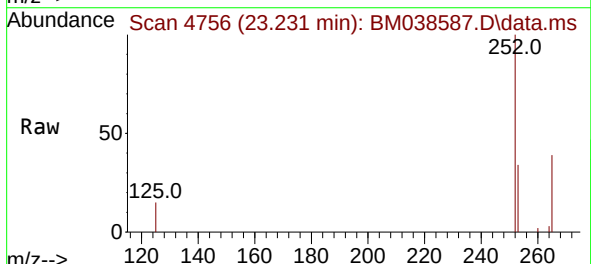
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

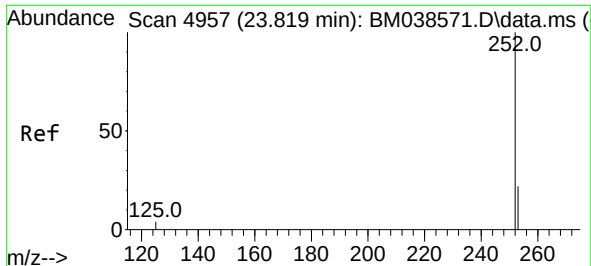
Tgt Ion:252 Resp: 8236
Ion Ratio Lower Upper
252 100
253 33.4 0.0 56.6
125 15.1 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.309 ng/ul
RT: 23.231 min Scan# 4756
Delta R.T. -0.009 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:252 Resp: 7881
Ion Ratio Lower Upper
252 100
253 34.1 23.1 34.7
125 14.6 8.4 12.6#

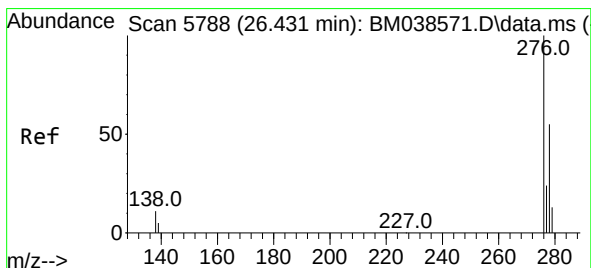
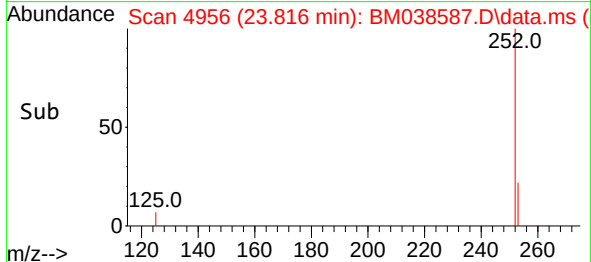
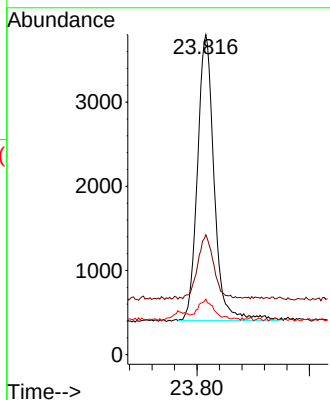
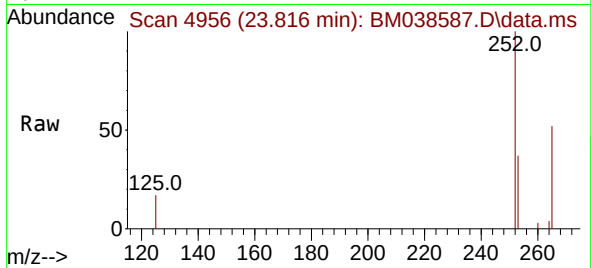




#26
Benzo(a)pyrene
Concen: 0.297 ng/ul
RT: 23.816 min Scan# 4956
Delta R.T. -0.006 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

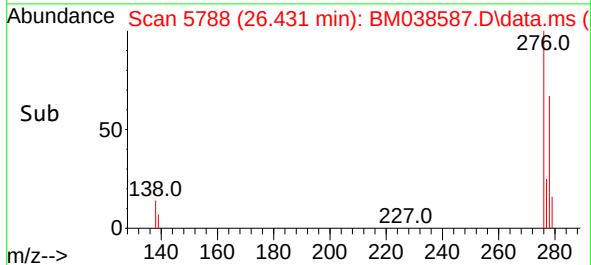
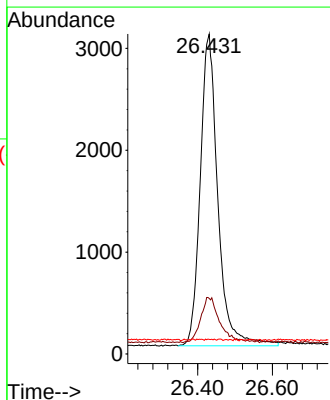
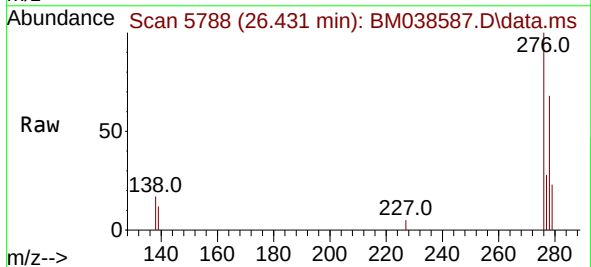
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

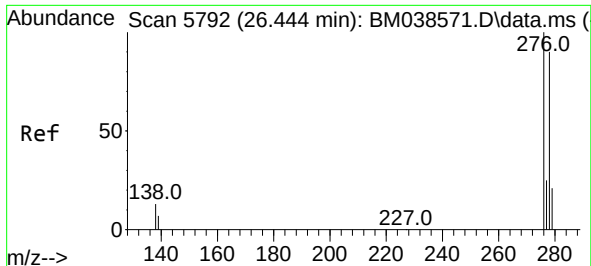
Tgt Ion:252 Resp: 7000
Ion Ratio Lower Upper
252 100
253 37.5 25.1 37.7
125 17.3 10.0 15.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.301 ng/ul
RT: 26.431 min Scan# 5788
Delta R.T. -0.010 min
Lab File: BM038587.D
Acq: 27 Jan 2023 15:39

Tgt Ion:276 Resp: 9988
Ion Ratio Lower Upper
276 100
138 15.6 11.7 17.5
227 0.2 0.3 0.5#

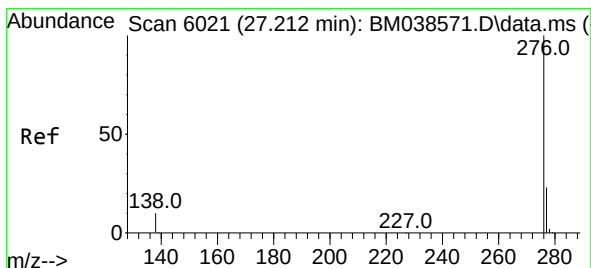
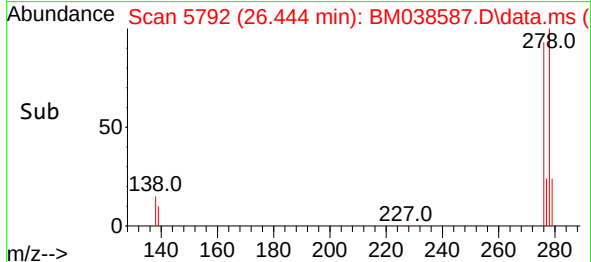
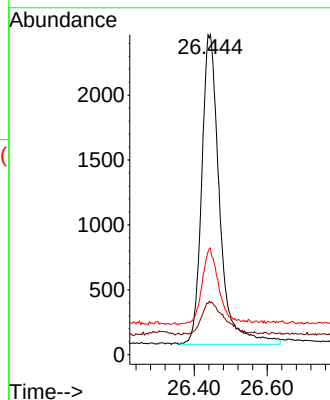
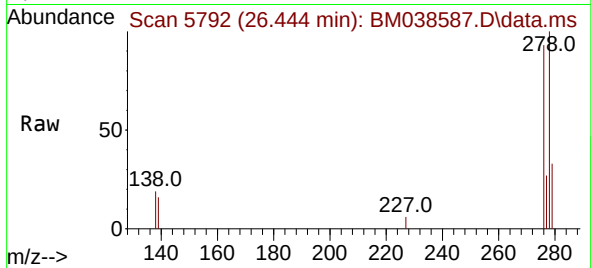




#28
 Dibenzo(a,h)anthracene
 Concen: 0.308 ng/ul
 RT: 26.444 min Scan# 51
 Delta R.T. -0.014 min
 Lab File: BM038587.D
 Acq: 27 Jan 2023 15:39

Instrument :
 BNA_M
 ClientSampleId :
 EX9G4MSD

Tgt Ion:278 Resp: 8133
 Ion Ratio Lower Upper
 278 100
 139 16.2 9.8 14.8#
 279 33.3 23.3 34.9



#29
 Benzo(g,h,i)perylene
 Concen: 0.296 ng/ul
 RT: 27.202 min Scan# 6018
 Delta R.T. -0.017 min
 Lab File: BM038587.D
 Acq: 27 Jan 2023 15:39

Tgt Ion:276 Resp: 8525
 Ion Ratio Lower Upper
 276 100
 138 17.4 12.6 19.0
 277 26.4 20.5 30.7

