

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
 Data File : BM040071.D
 Acq On : 31 May 2023 00:43
 Operator : CG/JU
 Sample : 02961-11MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FQ2MS

Quant Time: May 31 02:04:24 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 14:54:33 2023
 Response via : Initial Calibration

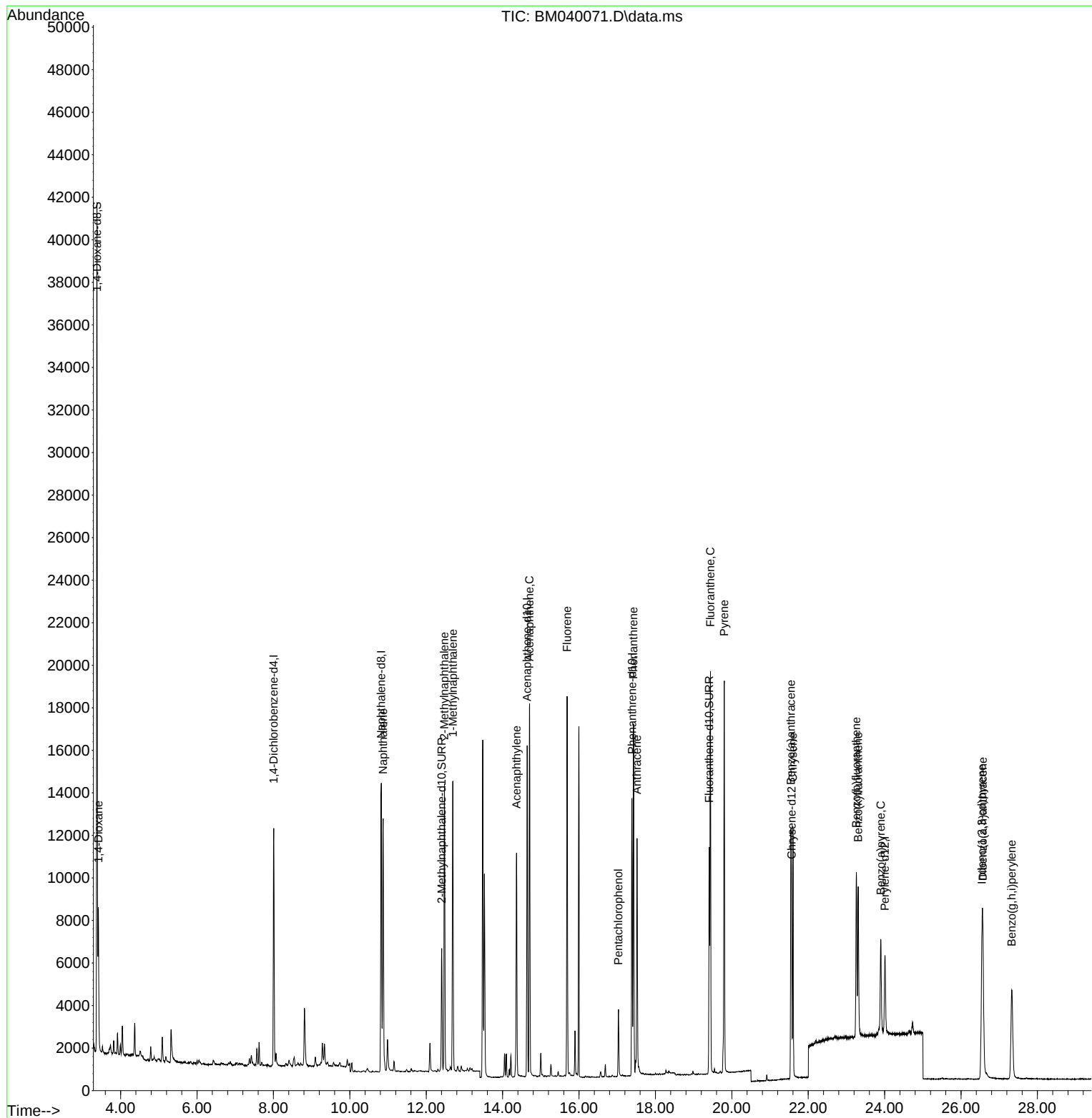
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	5558	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	18073	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.642	164	8054	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	14478	0.400	ng/ul	0.00
17) Chrysene-d12	21.564	240	5985	0.400	ng/ul	0.00
23) Perylene-d12	24.008	264	5399	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.380	96	24236	3.745	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	7415	0.336	ng/ul	0.00
18) Fluoranthene-d10	19.407	212	10392	0.577	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.418	88	4172	0.613	ng/ul	98
5) Naphthalene	10.872	128	15989	0.362	ng/ul	100
7) 2-Methylnaphthalene	12.477	142	9167	0.344	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	9407	0.340	ng/ul	99
10) Acenaphthylene	14.364	152	11514	0.359	ng/ul	99
11) Acenaphthene	14.702	153	9979	0.382	ng/ul	98
12) Fluorene	15.687	166	10633	0.391	ng/ul	98
14) Pentachlorophenol	17.033	266	2087	0.711	ng/ul	98
15) Phenanthrene	17.425	178	16734	0.408	ng/ul	99
16) Anthracene	17.518	178	12273	0.357	ng/ul	99
19) Fluoranthene	19.440	202	15404	0.572	ng/ul	100
20) Pyrene	19.803	202	14748	0.540	ng/ul	99
21) Benzo(a)anthracene	21.547	228	9157	0.454	ng/ul	99
22) Chrysene	21.600	228	10002	0.467	ng/ul	99
24) Benzo(b)fluoranthene	23.260	252	9774	0.456	ng/ul	95
25) Benzo(k)fluoranthene	23.307	252	9479	0.439	ng/ul#	93
26) Benzo(a)pyrene	23.897	252	7232	0.403	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.548	276	11291	0.437	ng/ul	97
28) Dibenzo(a,h)anthracene	26.571	278	9099	0.436	ng/ul	97
29) Benzo(g,h,i)perylene	27.326	276	9577	0.453	ng/ul	97

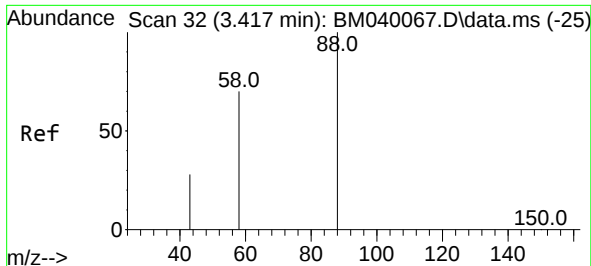
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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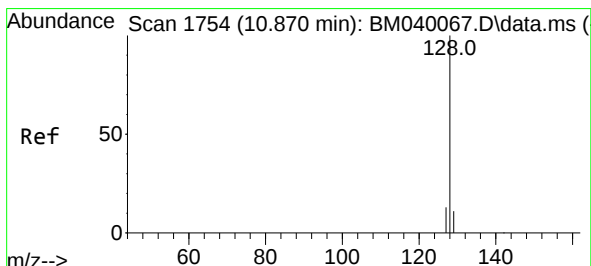
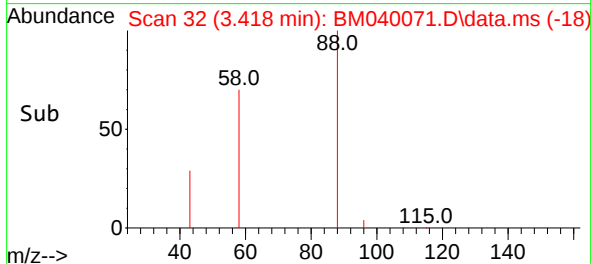
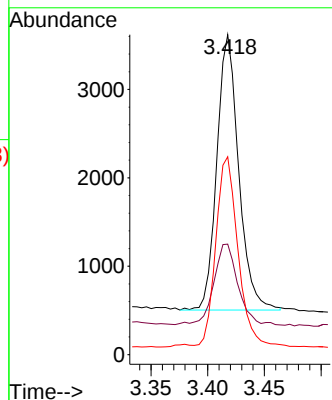
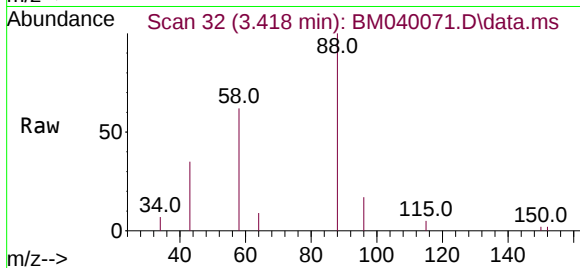




#2
1,4-Dioxane
Concen: 0.613 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

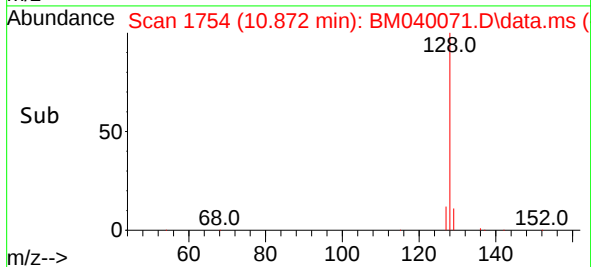
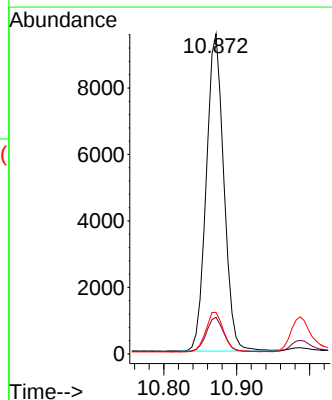
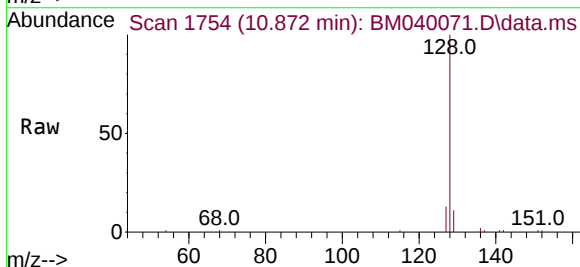
Instrument :
BNA_M
ClientSampleId :
H0FQ2MS

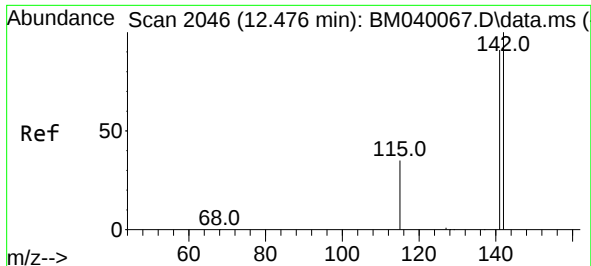
Tgt Ion: 88 Resp: 4172
Ion Ratio Lower Upper
88 100
43 34.5 25.9 38.9
58 61.8 48.5 72.7



#5
Naphthalene
Concen: 0.362 ng/ul
RT: 10.872 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion: 128 Resp: 15989
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.0 10.5 15.7

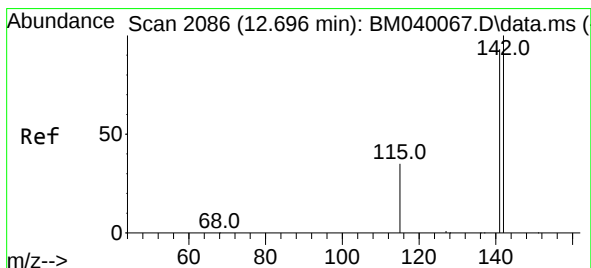
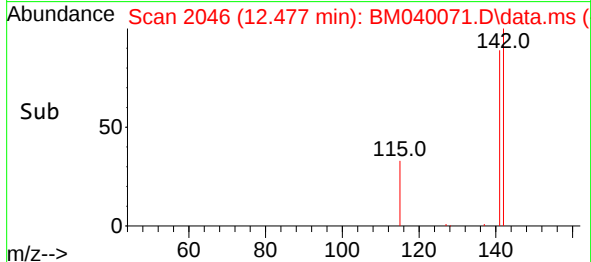
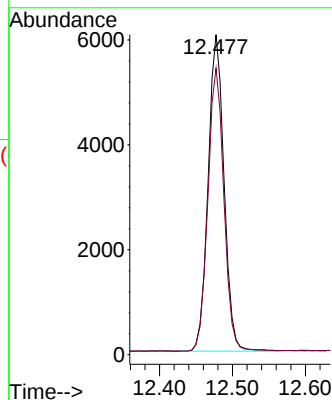
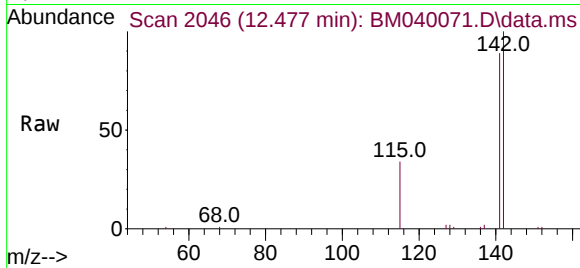




#7
2-Methylnaphthalene
Concen: 0.344 ng/ul
RT: 12.477 min Scan# 2046
Delta R.T. -0.005 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

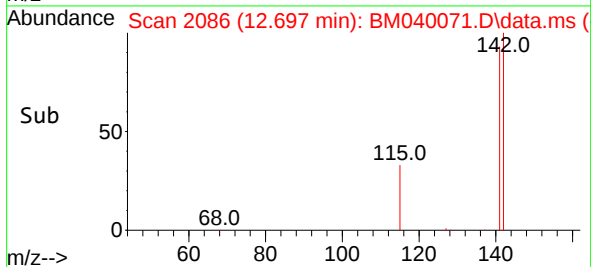
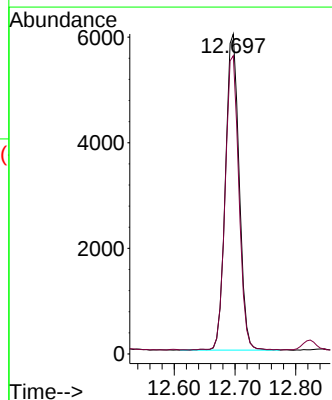
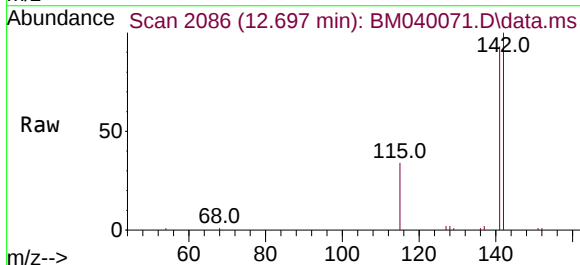
Instrument :
BNA_M
ClientSampleId :
H0FQ2MS

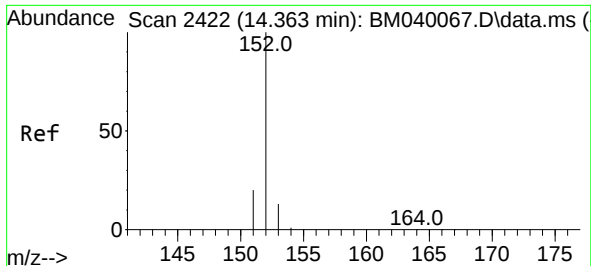
Tgt Ion:142 Resp: 9167
Ion Ratio Lower Upper
142 100
141 90.2 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.340 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:142 Resp: 9407
Ion Ratio Lower Upper
142 100
141 93.5 73.8 110.6

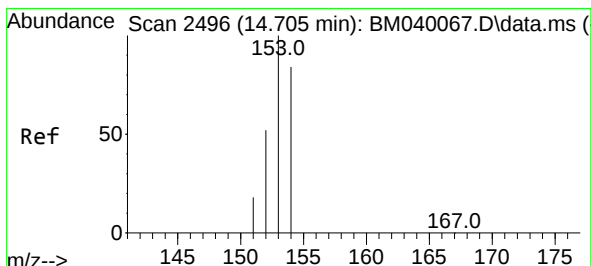
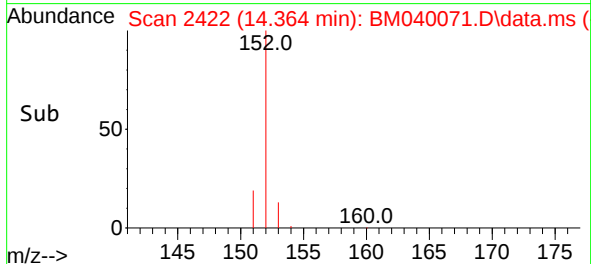
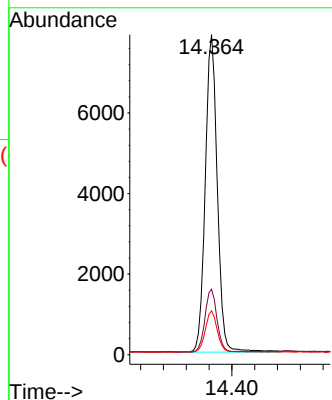
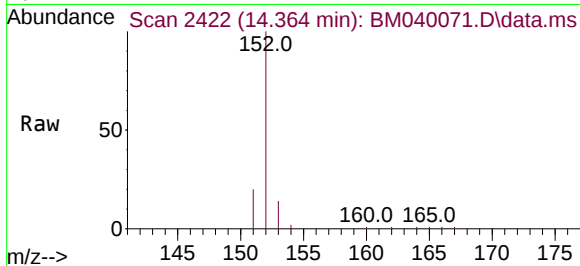




#10
Acenaphthylene
Concen: 0.359 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

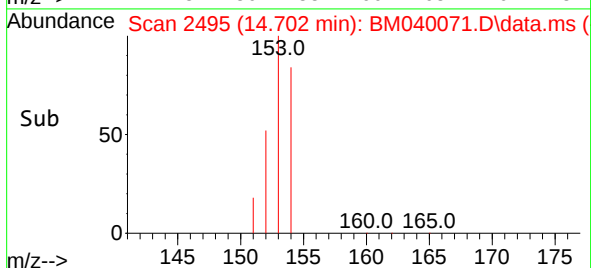
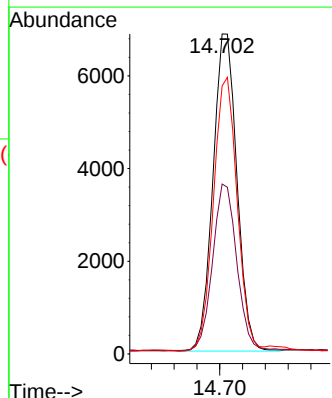
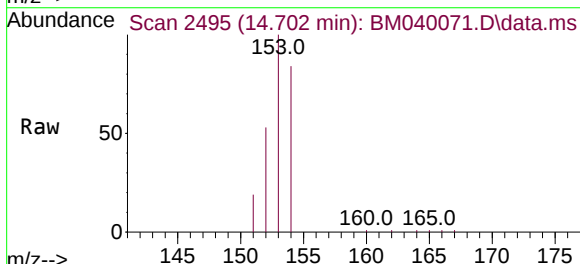
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ClientSampleId :
H0FQ2MS

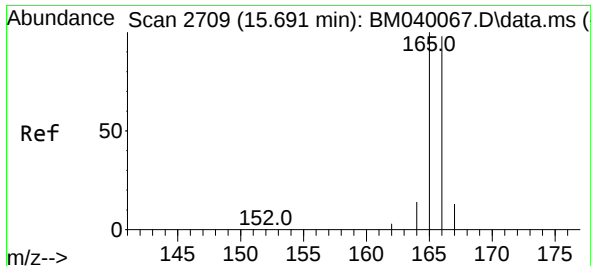
Tgt Ion:152	Resp:	11514
Ion Ratio	Lower	Upper
152	100	
151	20.5	16.2 24.4
153	13.7	10.6 16.0



#11
Acenaphthene
Concen: 0.382 ng/ul
RT: 14.702 min Scan# 2495
Delta R.T. -0.005 min
Lab File: BM040071.D
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Tgt Ion:153	Resp:	9979
Ion Ratio	Lower	Upper
153	100	
152	53.1	42.0 63.0
154	83.7	69.4 104.2

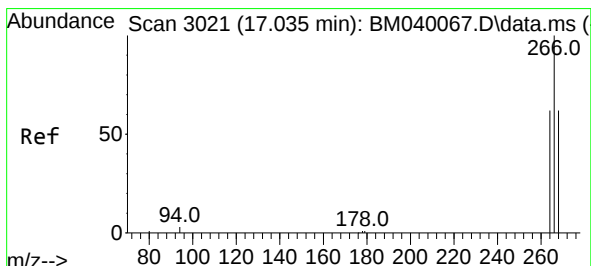
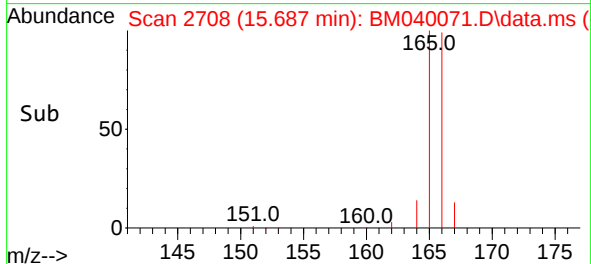
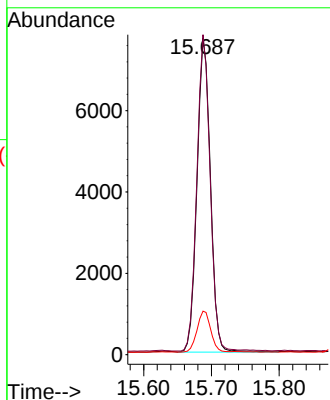
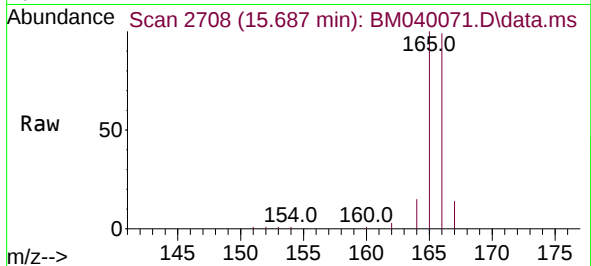




#12
 Fluorene
 Concen: 0.391 ng/ul
 RT: 15.687 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM040071.D
 Acq: 31 May 2023 00:43

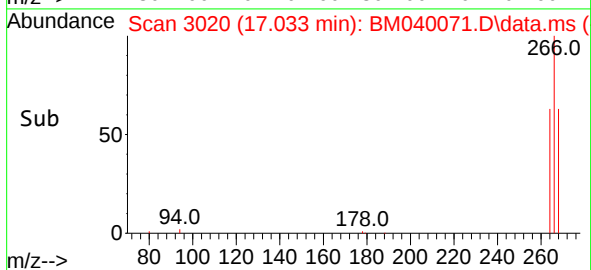
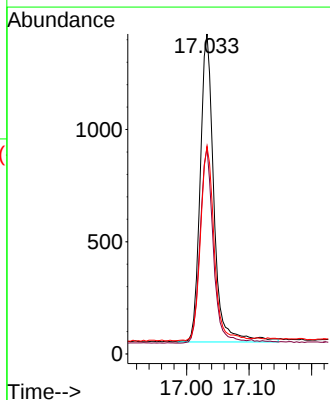
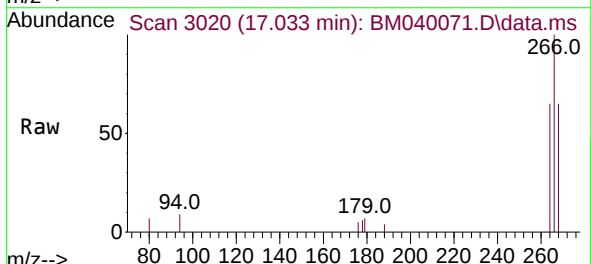
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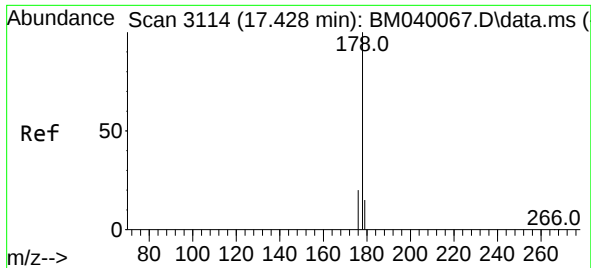
Tgt Ion:166 Resp: 10633
 Ion Ratio Lower Upper
 166 100
 165 101.0 79.3 118.9
 167 13.7 10.8 16.2



#14
 Pentachlorophenol
 Concen: 0.711 ng/ul
 RT: 17.033 min Scan# 3020
 Delta R.T. -0.004 min
 Lab File: BM040071.D
 Acq: 31 May 2023 00:43

Tgt Ion:266 Resp: 2087
 Ion Ratio Lower Upper
 266 100
 264 62.3 49.2 73.8
 268 62.7 51.9 77.9

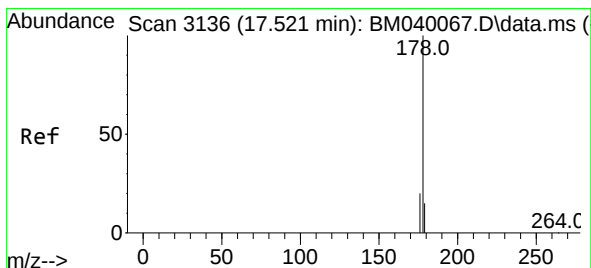
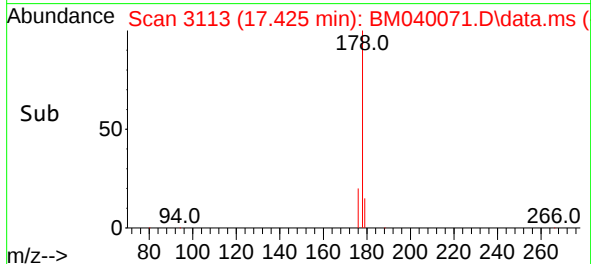
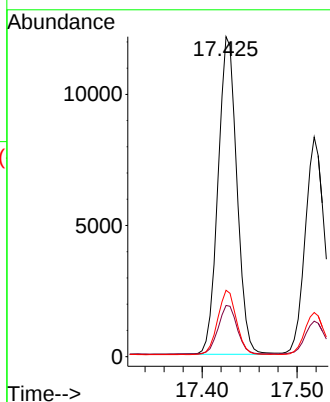
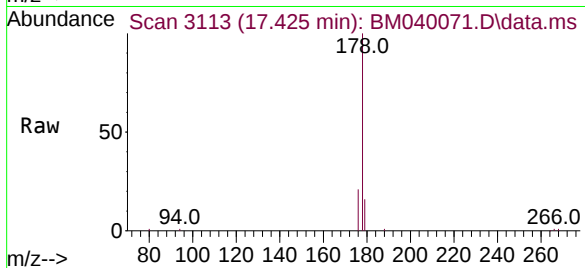




#15
Phenanthrene
Concen: 0.408 ng/ul
RT: 17.425 min Scan# 3113
Delta R.T. -0.004 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

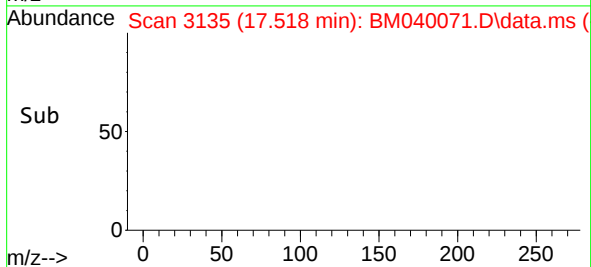
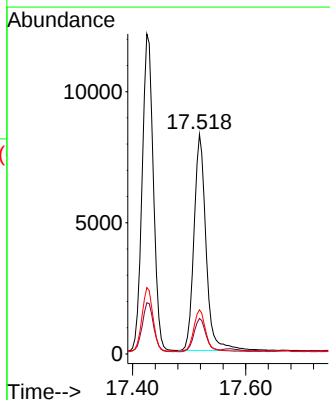
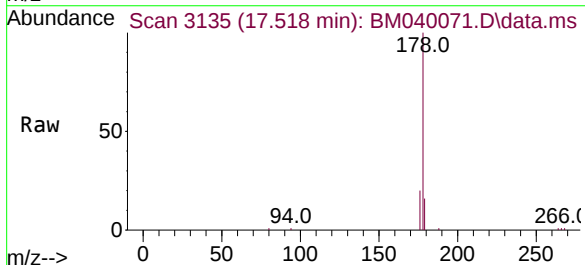
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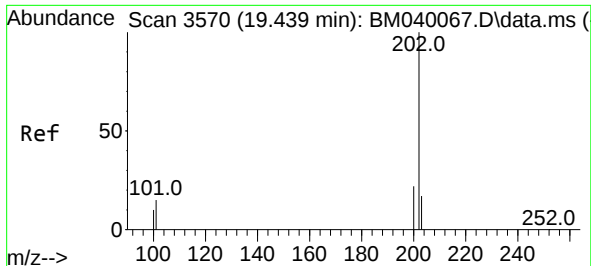
Tgt Ion:178	Resp:	16734
Ion Ratio	Lower	Upper
178	100	
179	16.0	12.4 18.6
176	20.7	16.3 24.5



#16
Anthracene
Concen: 0.357 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:178	Resp:	12273
Ion Ratio	Lower	Upper
178	100	
179	16.2	12.6 19.0
176	20.1	15.5 23.3

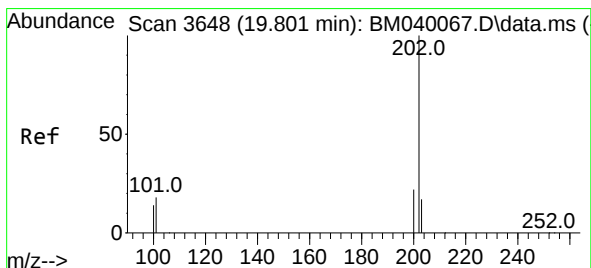
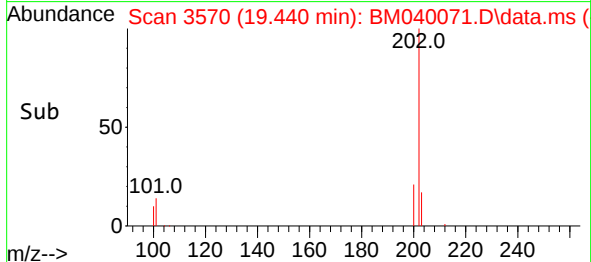
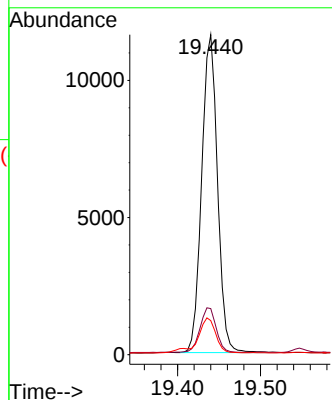
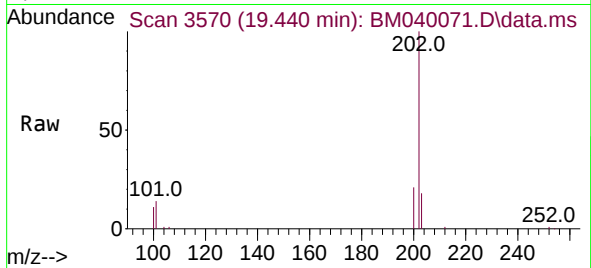




#19
Fluoranthene
Concen: 0.572 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

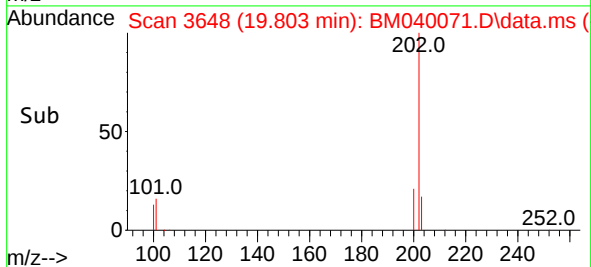
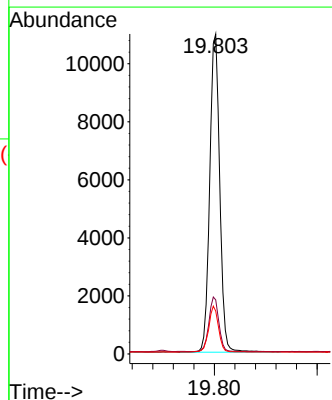
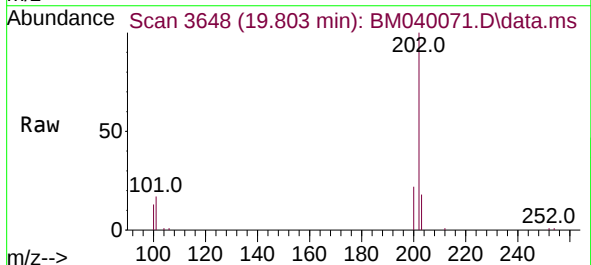
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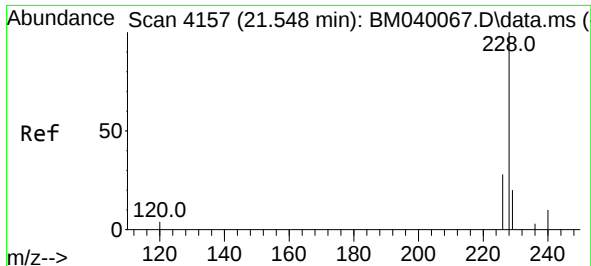
Tgt Ion:202 Resp: 15404
Ion Ratio Lower Upper
202 100
101 14.4 11.5 17.3
100 10.6 8.5 12.7



#20
Pyrene
Concen: 0.540 ng/ul
RT: 19.803 min Scan# 3648
Delta R.T. 0.000 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:202 Resp: 14748
Ion Ratio Lower Upper
202 100
101 16.9 13.3 19.9
100 13.4 10.9 16.3

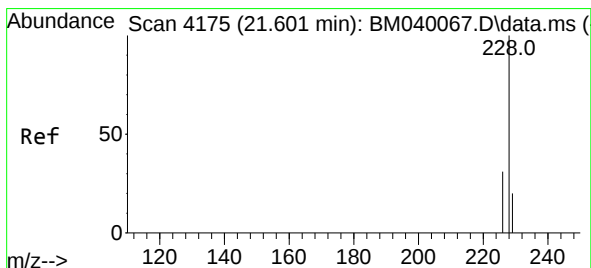
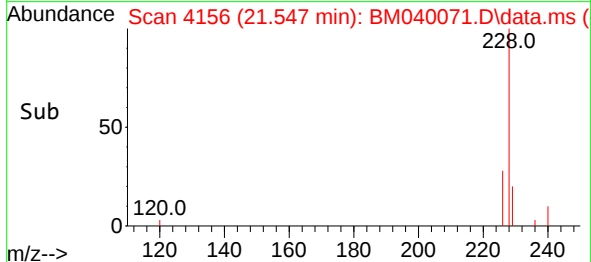
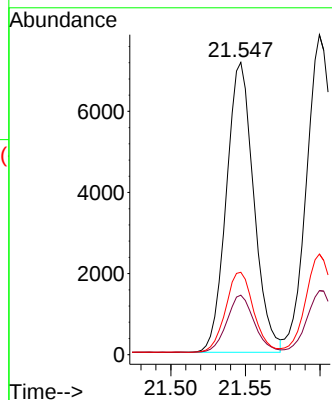
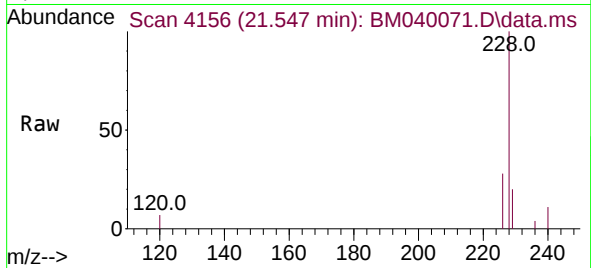




#21
Benzo(a)anthracene
Concen: 0.454 ng/ul
RT: 21.547 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

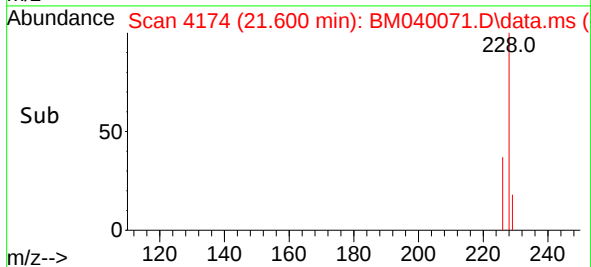
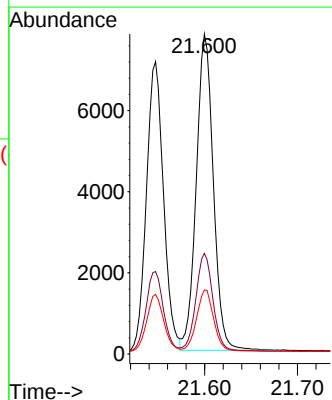
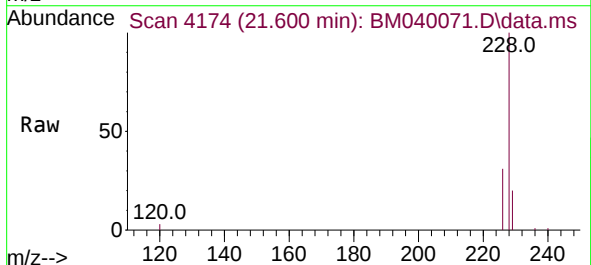
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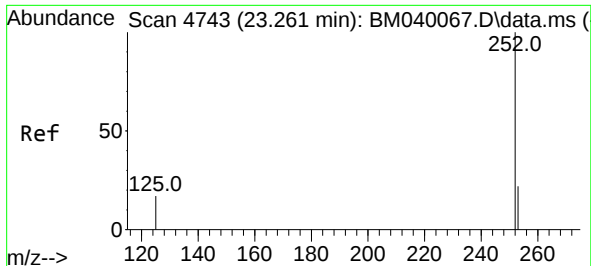
Tgt Ion:228 Resp: 9157
Ion Ratio Lower Upper
228 100
229 20.4 15.6 23.4
226 28.2 22.5 33.7



#22
Chrysene
Concen: 0.467 ng/ul
RT: 21.600 min Scan# 4174
Delta R.T. -0.003 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:228 Resp: 10002
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 20.0 15.6 23.4

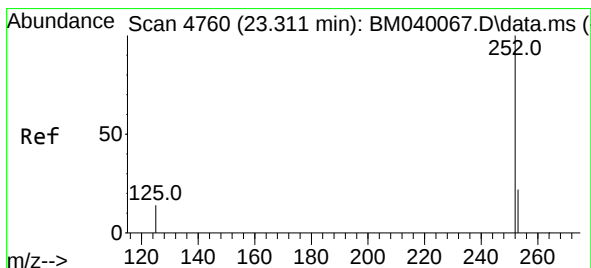
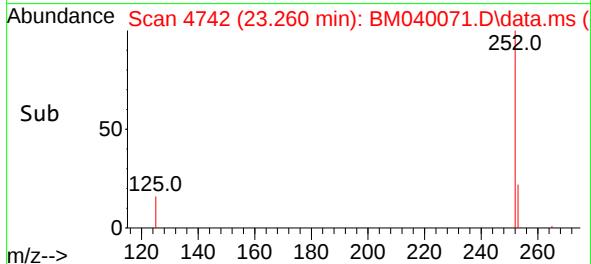
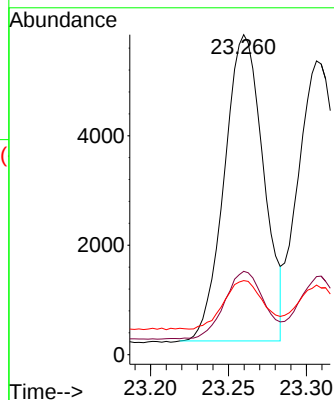
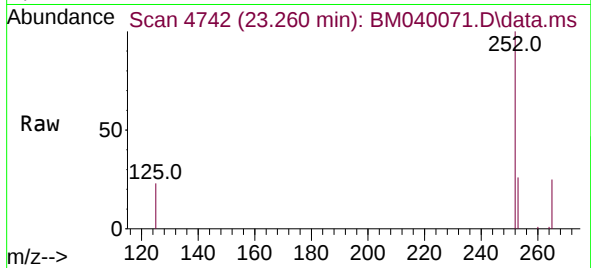




#24
Benzo(b)fluoranthene
Concen: 0.456 ng/ul
RT: 23.260 min Scan# 4743
Delta R.T. -0.006 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

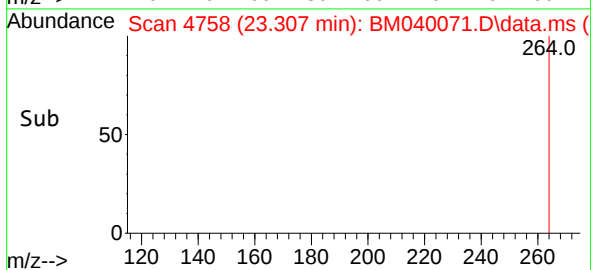
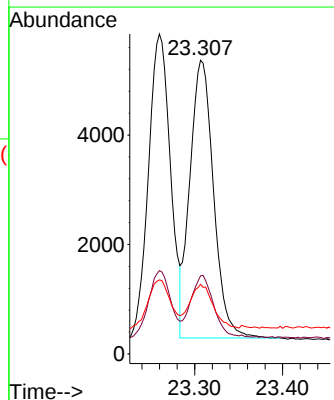
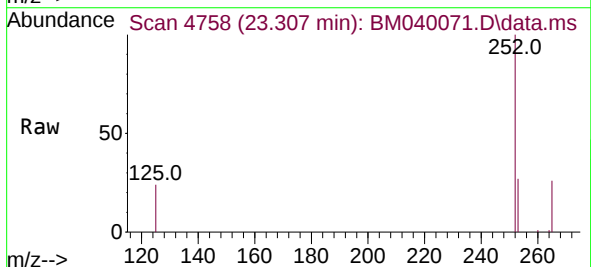
Instrument :
BNA_M
ClientSampleId :
H0FQ2MS

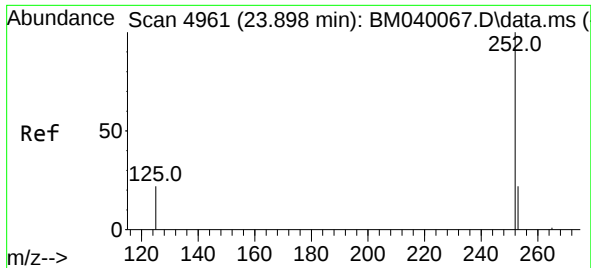
Tgt Ion:252 Resp: 9774
Ion Ratio Lower Upper
252 100
253 26.0 0.0 49.8
125 23.2 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.439 ng/ul
RT: 23.307 min Scan# 4758
Delta R.T. -0.006 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:252 Resp: 9479
Ion Ratio Lower Upper
252 100
253 26.6 19.7 29.5
125 23.7 15.0 22.4#

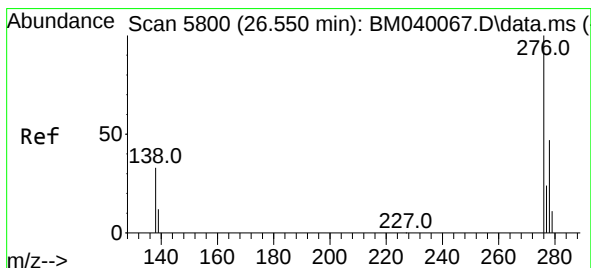
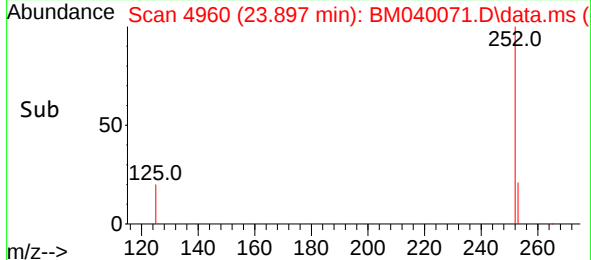
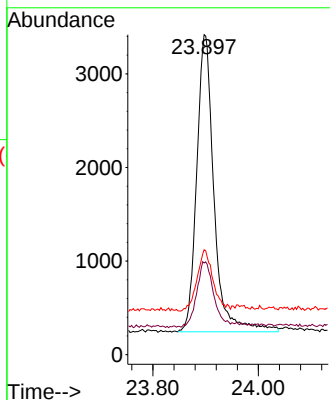
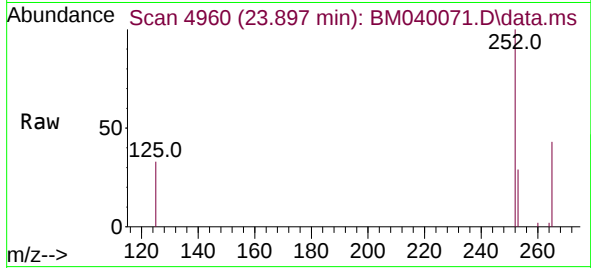




#26
Benzo(a)pyrene
Concen: 0.403 ng/ul
RT: 23.897 min Scan# 4961
Delta R.T. -0.006 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

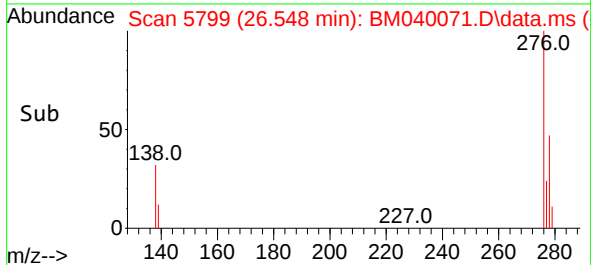
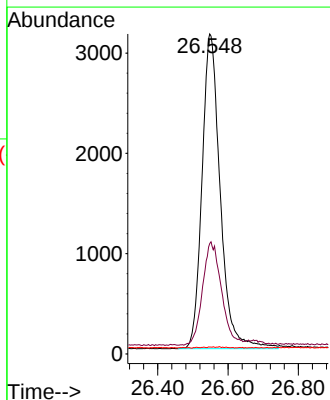
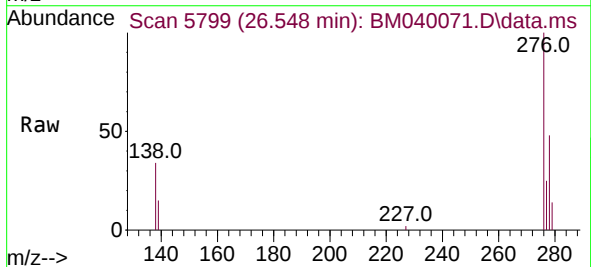
Instrument :
BNA_M
ClientSampleId :
H0FQ2MS

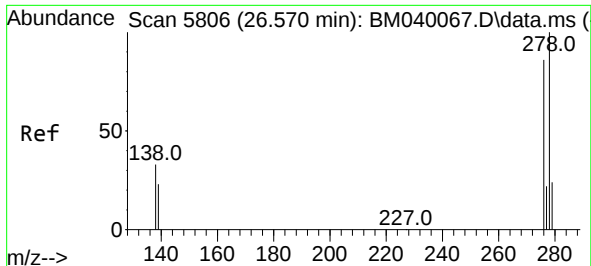
Tgt Ion:252 Resp: 7232
Ion Ratio Lower Upper
252 100
253 28.6 20.6 31.0
125 32.8 19.1 28.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng/ul
RT: 26.548 min Scan# 5799
Delta R.T. -0.010 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:276 Resp: 11291
Ion Ratio Lower Upper
276 100
138 35.5 26.9 40.3
227 0.1 0.1 0.1

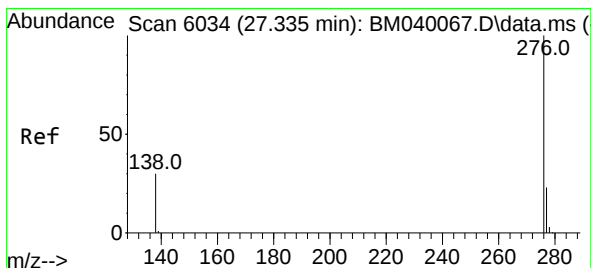
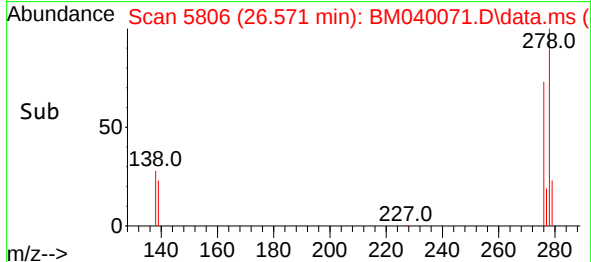
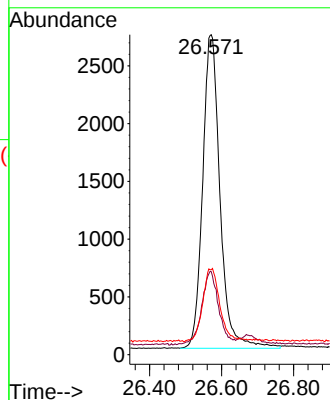
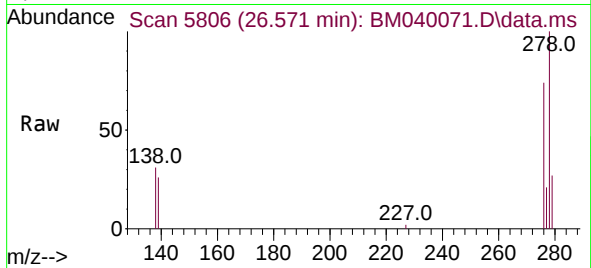




#28
Dibenzo(a,h)anthracene
Concen: 0.436 ng/ul
RT: 26.571 min Scan# 5806
Delta R.T. -0.007 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Instrument :
BNA_M
ClientSampleId :
H0FQ2MS

Tgt Ion:278 Resp: 9099
Ion Ratio Lower Upper
278 100
139 26.0 19.0 28.4
279 26.6 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.453 ng/ul
RT: 27.326 min Scan# 6031
Delta R.T. -0.010 min
Lab File: BM040071.D
Acq: 31 May 2023 00:43

Tgt Ion:276 Resp: 9577
Ion Ratio Lower Upper
276 100
138 31.6 23.9 35.9
277 25.3 19.5 29.3

