

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
 Data File : BM040069.D
 Acq On : 30 May 2023 23:31
 Operator : CG/JU
 Sample : PB153107BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS107

Quant Time: May 31 02:04:06 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)

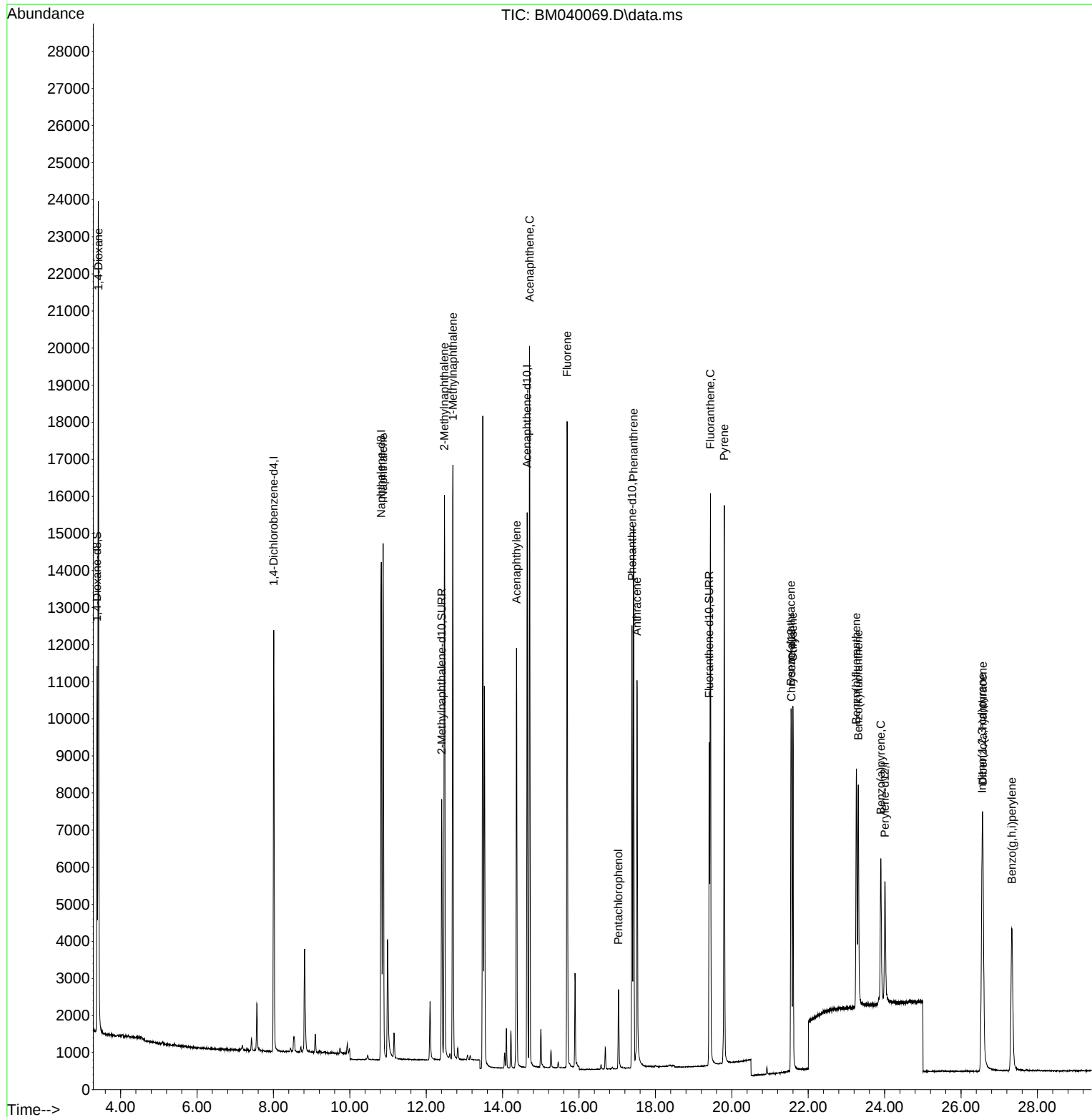
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	5825	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	17987	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.642	164	7857	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	13230	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.561	240	5456	0.400	ng/ul	0.00
23) Perylene-d12	24.005	264	4810	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.380	96	6077	0.896	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	9163	0.417	ng/ul	0.00
18) Fluoranthene-d10	19.407	212	8836	0.538	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	14842	2.080	ng/ul	91
5) Naphthalene	10.872	128	18901	0.430	ng/ul	100
7) 2-Methylnaphthalene	12.477	142	10766	0.406	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	10915	0.396	ng/ul	99
10) Acenaphthylene	14.364	152	12469	0.399	ng/ul	100
11) Acenaphthene	14.707	153	10907	0.428	ng/ul	99
12) Fluorene	15.687	166	10975	0.413	ng/ul	97
14) Pentachlorophenol	17.032	266	1504	0.561	ng/ul	98
15) Phenanthrene	17.429	178	15441	0.412	ng/ul	99
16) Anthracene	17.518	178	11917	0.379	ng/ul	98
19) Fluoranthene	19.440	202	12493	0.509	ng/ul	99
20) Pyrene	19.802	202	12090	0.486	ng/ul	99
21) Benzo(a)anthracene	21.547	228	7561	0.412	ng/ul	99
22) Chrysene	21.599	228	8799	0.451	ng/ul	98
24) Benzo(b)fluoranthene	23.260	252	8634	0.452	ng/ul	96
25) Benzo(k)fluoranthene	23.309	252	8098	0.421	ng/ul#	95
26) Benzo(a)pyrene	23.900	252	6749	0.422	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.551	276	9958	0.433	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.571	278	7914	0.426	ng/ul	97
29) Benzo(g,h,i)perylene	27.329	276	8752	0.464	ng/ul	96

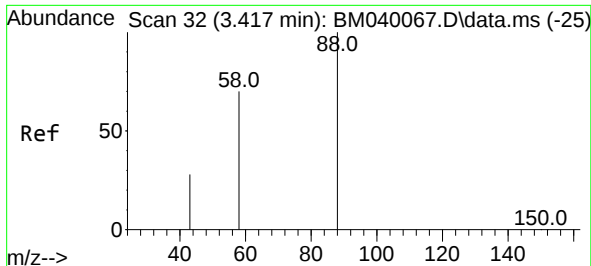
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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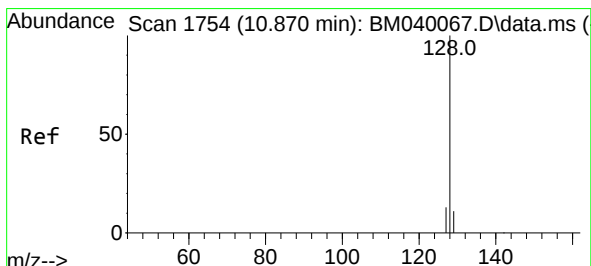
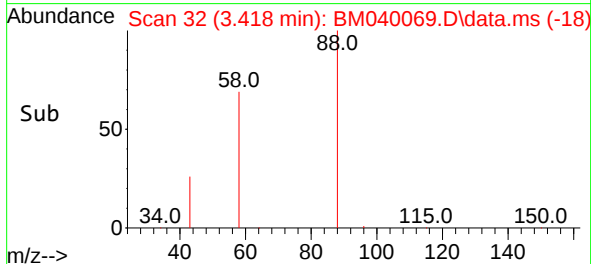
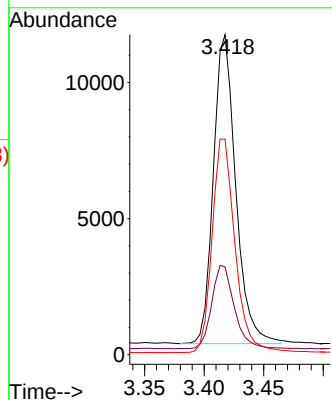
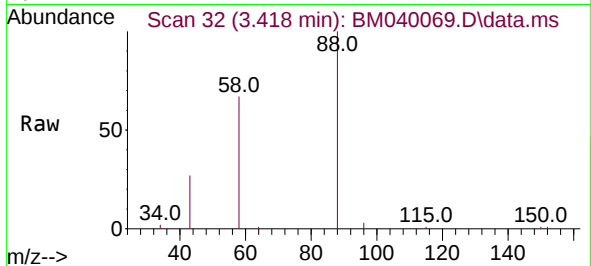




#2
1,4-Dioxane
Concen: 2.080 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

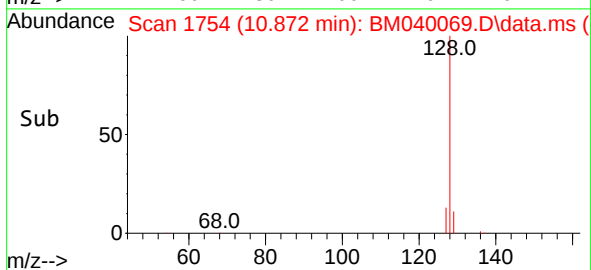
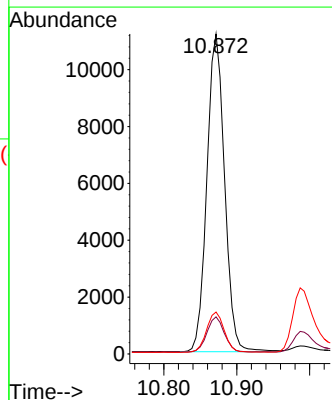
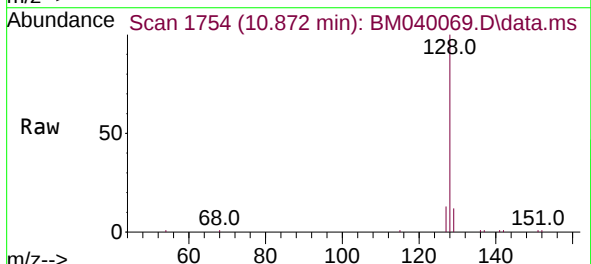
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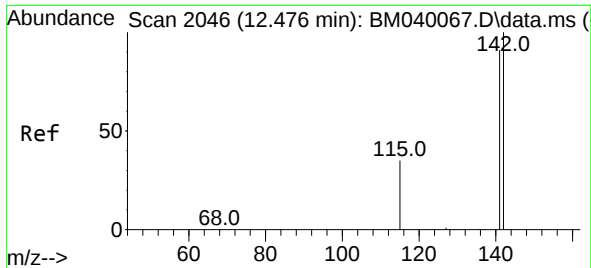
Tgt Ion: 88 Resp: 14842
Ion Ratio Lower Upper
88 100
43 27.4 25.9 38.9
58 67.4 48.5 72.7



#5
Naphthalene
Concen: 0.430 ng/ul
RT: 10.872 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion: 128 Resp: 18901
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.1 10.5 15.7

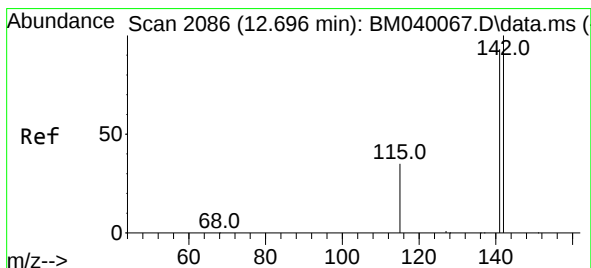
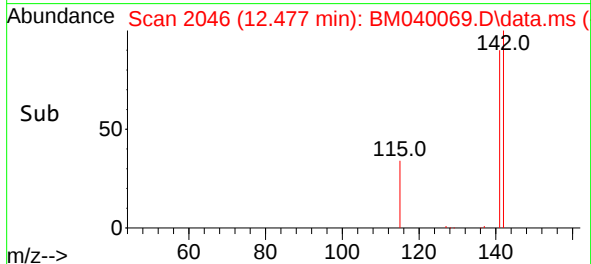
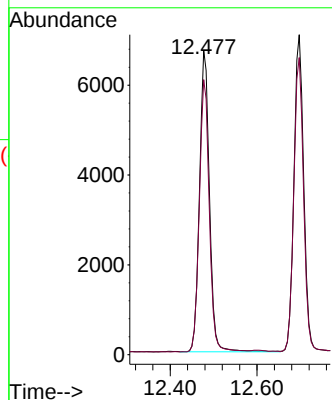
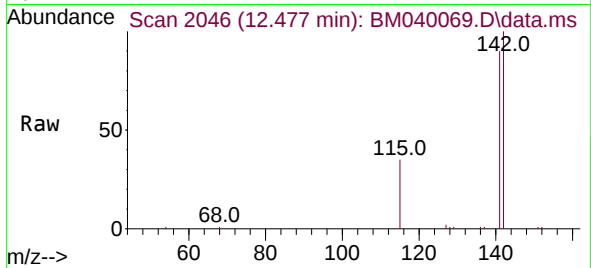




#7
2-Methylnaphthalene
Concen: 0.406 ng/ul
RT: 12.477 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

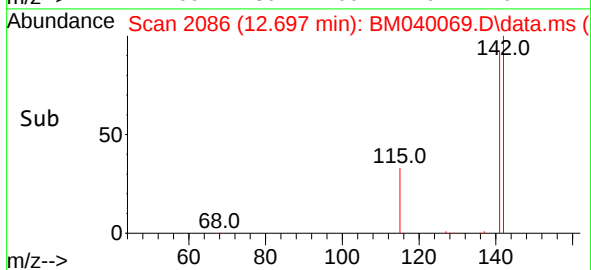
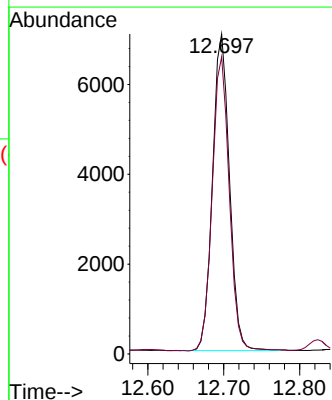
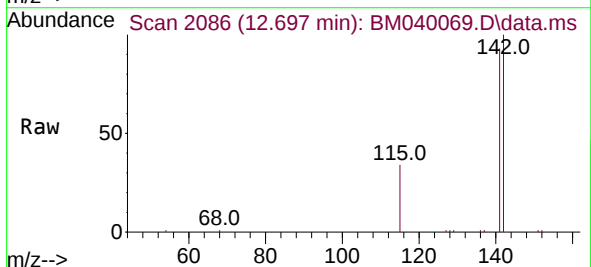
Instrument :
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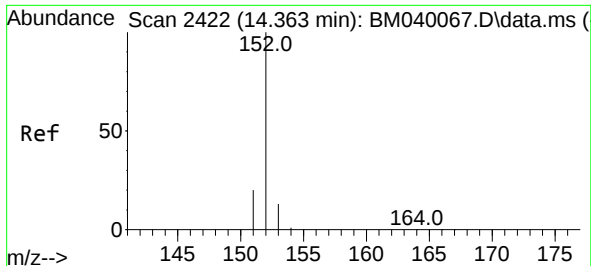
Tgt Ion:142 Resp: 10766
Ion Ratio Lower Upper
142 100
141 90.5 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.396 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:142 Resp: 10915
Ion Ratio Lower Upper
142 100
141 93.5 73.8 110.6

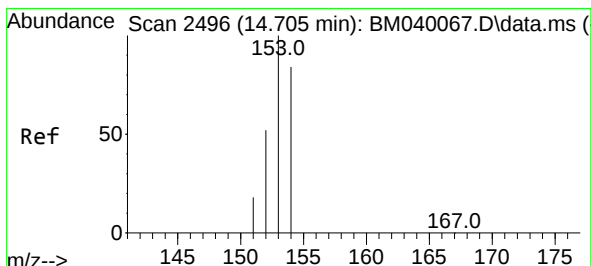
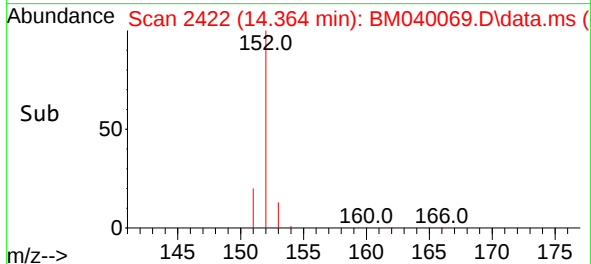
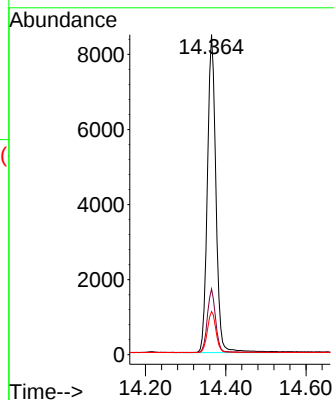
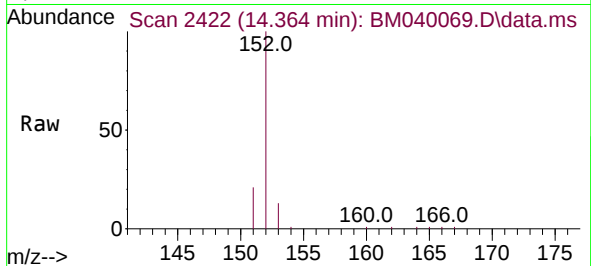




#10
Acenaphthylene
Concen: 0.399 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

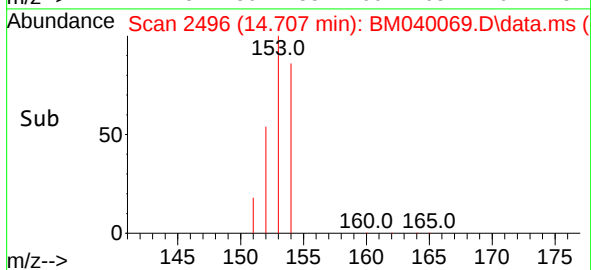
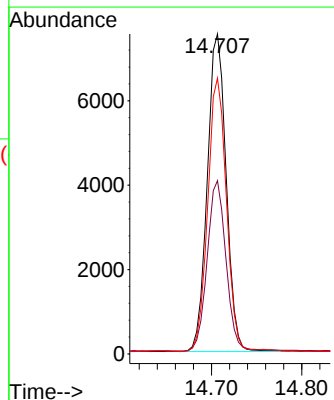
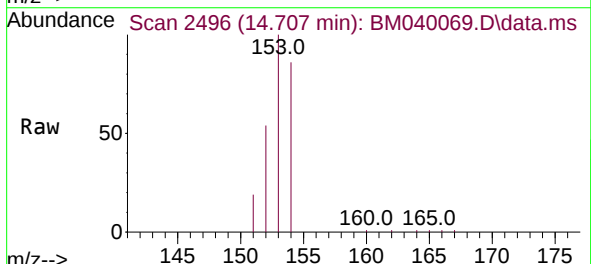
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ClientSampleId :
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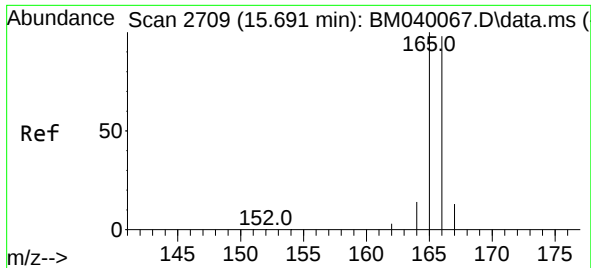
Tgt Ion:152 Resp: 12469
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 13.4 10.6 16.0



#11
Acenaphthene
Concen: 0.428 ng/ul
RT: 14.707 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:153 Resp: 10907
Ion Ratio Lower Upper
153 100
152 54.1 42.0 63.0
154 86.2 69.4 104.2

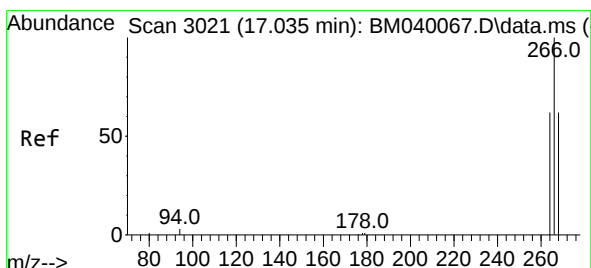
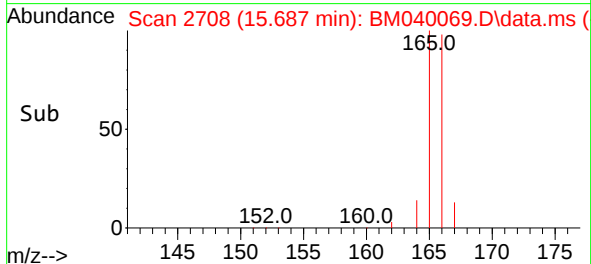
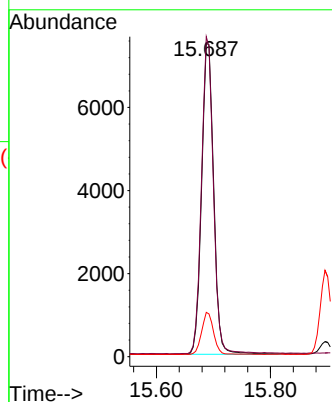
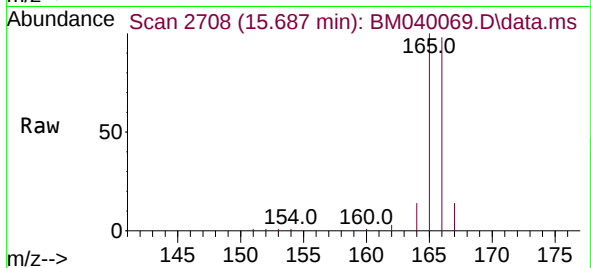




#12
 Fluorene
 Concen: 0.413 ng/ul
 RT: 15.687 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM040069.D
 Acq: 30 May 2023 23:31

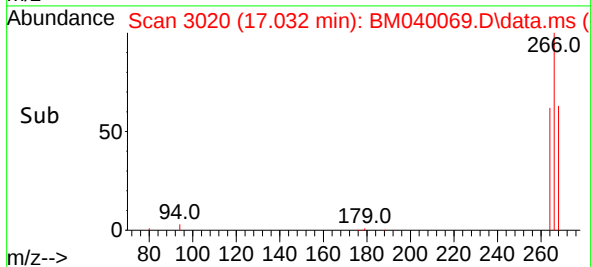
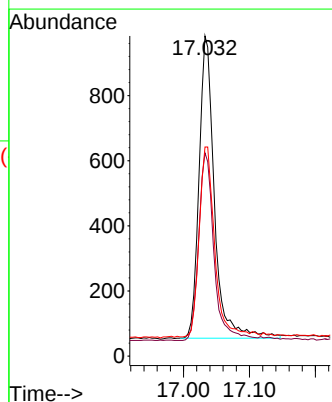
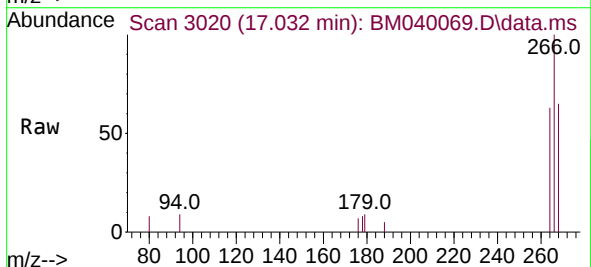
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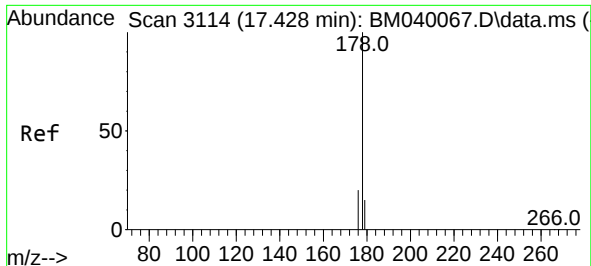
Tgt Ion:166 Resp: 10975
 Ion Ratio Lower Upper
 166 100
 165 102.1 79.3 118.9
 167 14.2 10.8 16.2



#14
 Pentachlorophenol
 Concen: 0.561 ng/ul
 RT: 17.032 min Scan# 3020
 Delta R.T. -0.004 min
 Lab File: BM040069.D
 Acq: 30 May 2023 23:31

Tgt Ion:266 Resp: 1504
 Ion Ratio Lower Upper
 266 100
 264 63.0 49.2 73.8
 268 63.6 51.9 77.9

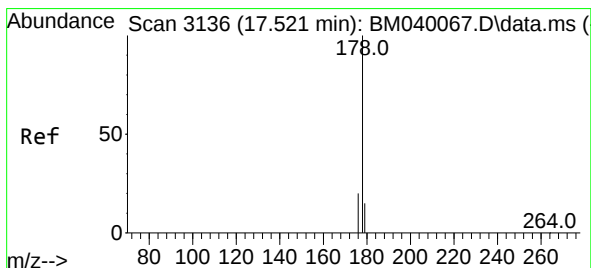
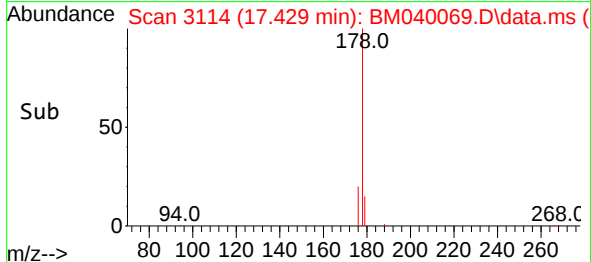
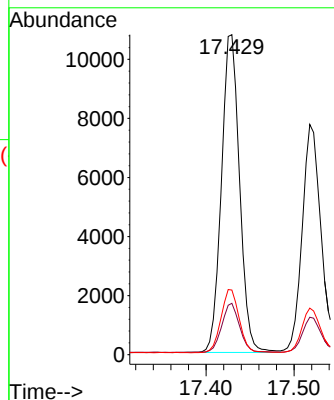
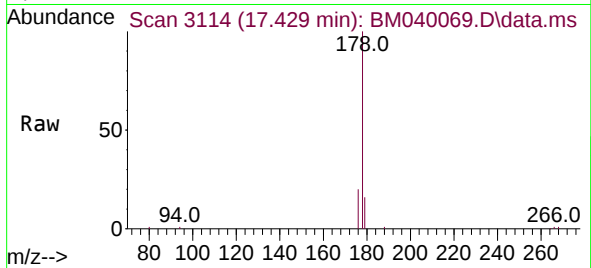




#15
Phenanthrene
Concen: 0.412 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

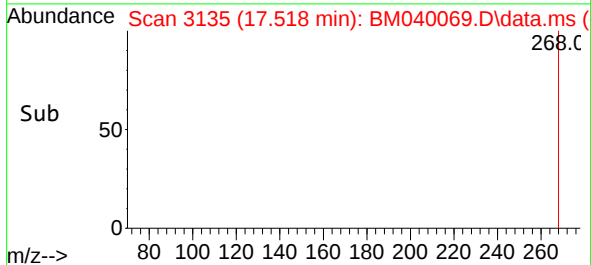
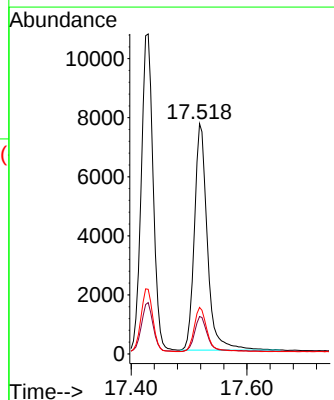
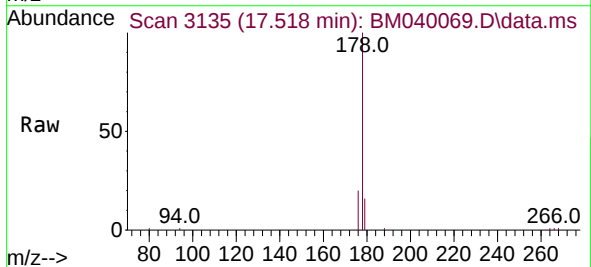
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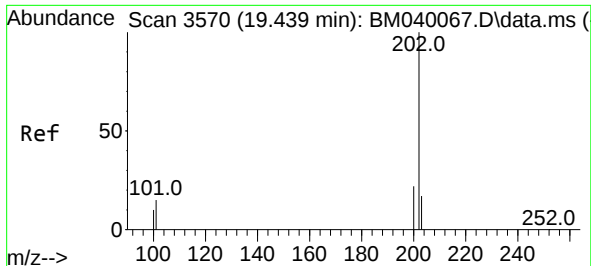
Tgt Ion:178 Resp: 15441
Ion Ratio Lower Upper
178 100
179 16.0 12.4 18.6
176 20.2 16.3 24.5



#16
Anthracene
Concen: 0.379 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:178 Resp: 11917
Ion Ratio Lower Upper
178 100
179 16.3 12.6 19.0
176 20.2 15.5 23.3

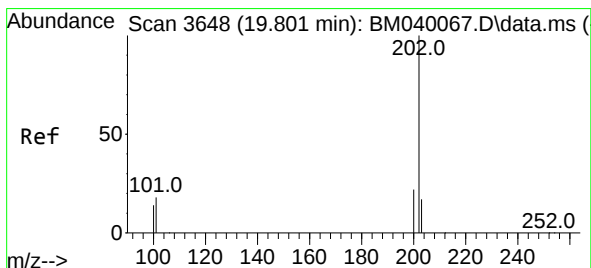
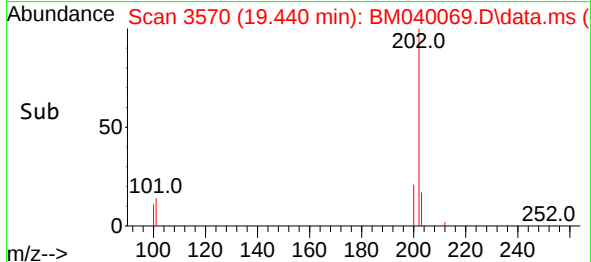
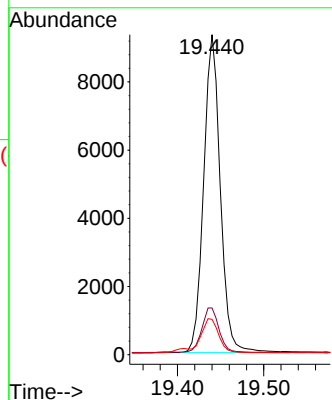
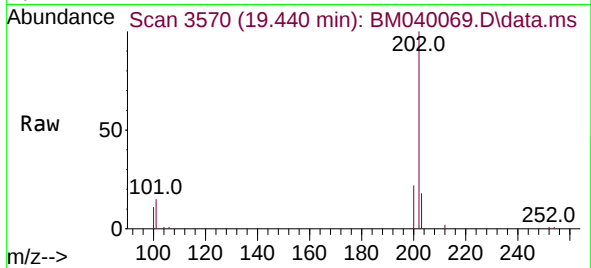




#19
Fluoranthene
Concen: 0.509 ng/u1
RT: 19.440 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

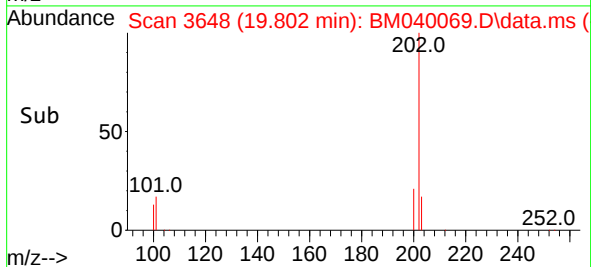
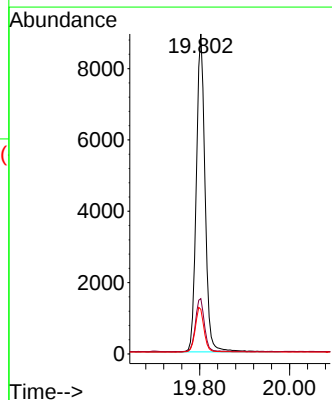
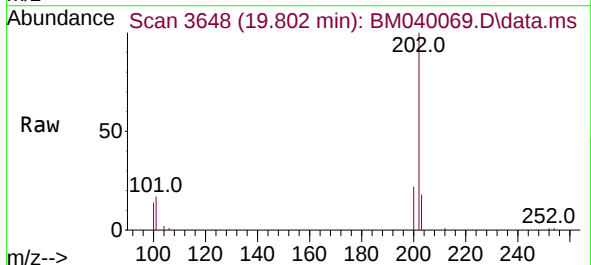
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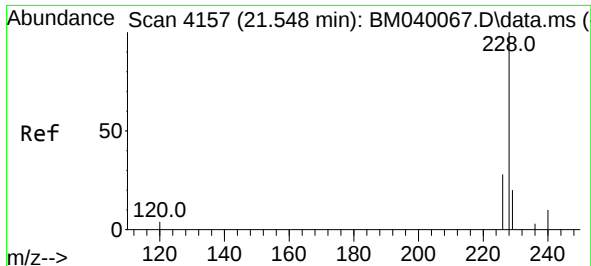
Tgt Ion:202 Resp: 12493
Ion Ratio Lower Upper
202 100
101 14.6 11.5 17.3
100 11.1 8.5 12.7



#20
Pyrene
Concen: 0.486 ng/u1
RT: 19.802 min Scan# 3648
Delta R.T. -0.000 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:202 Resp: 12090
Ion Ratio Lower Upper
202 100
101 17.3 13.3 19.9
100 13.9 10.9 16.3

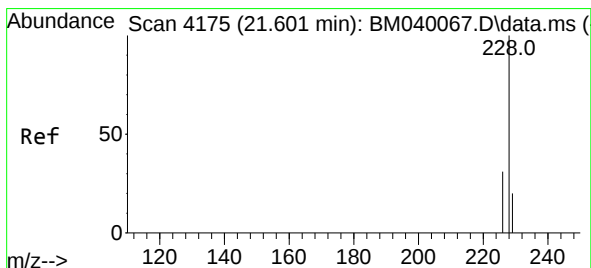
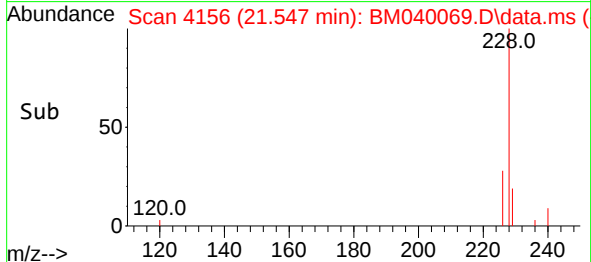
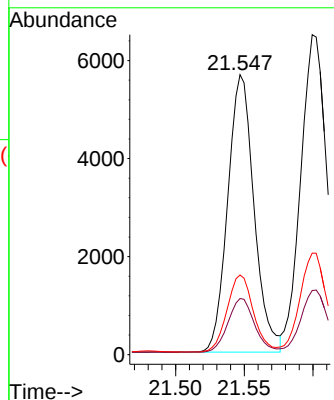
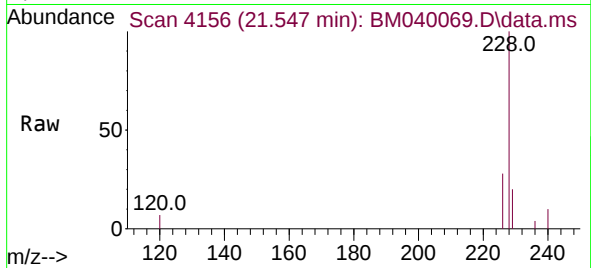




#21
Benzo(a)anthracene
Concen: 0.412 ng/ul
RT: 21.547 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

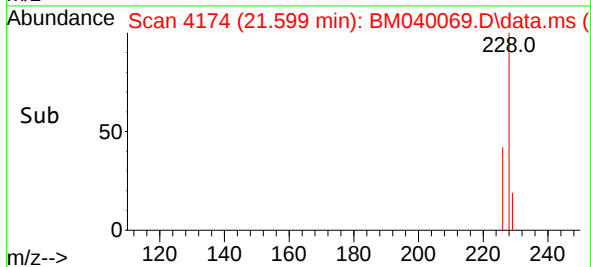
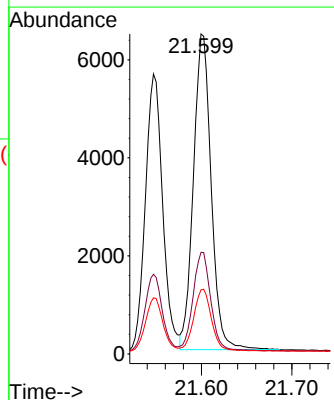
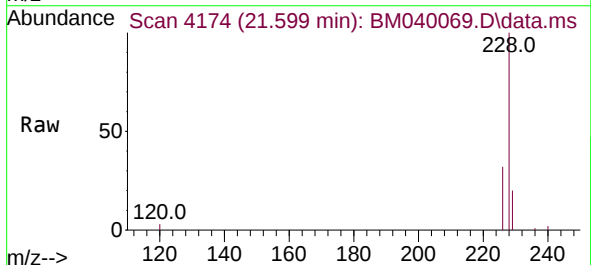
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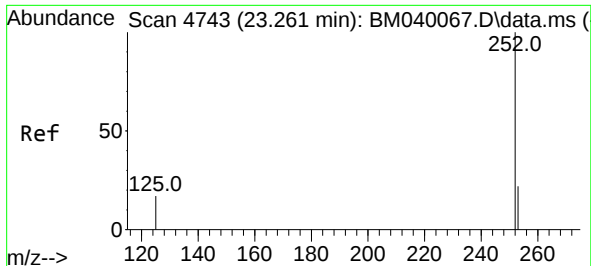
Tgt Ion:228 Resp: 7561
Ion Ratio Lower Upper
228 100
229 20.1 15.6 23.4
226 28.4 22.5 33.7



#22
Chrysene
Concen: 0.451 ng/ul
RT: 21.599 min Scan# 4174
Delta R.T. -0.003 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:228 Resp: 8799
Ion Ratio Lower Upper
228 100
226 31.7 24.6 36.8
229 20.1 15.6 23.4

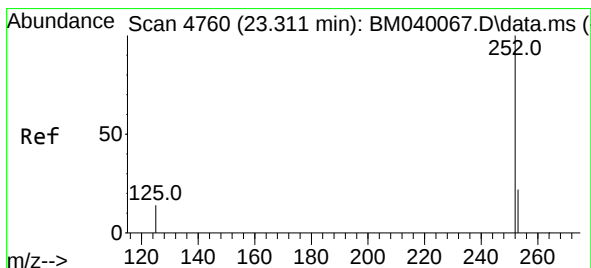
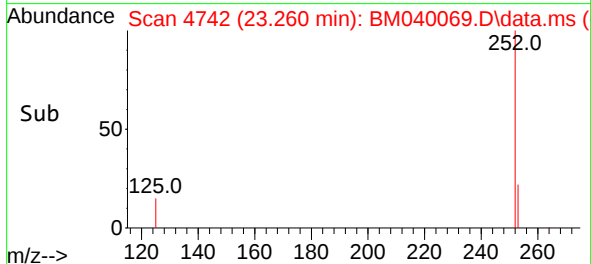
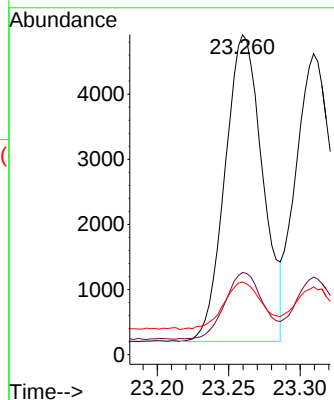
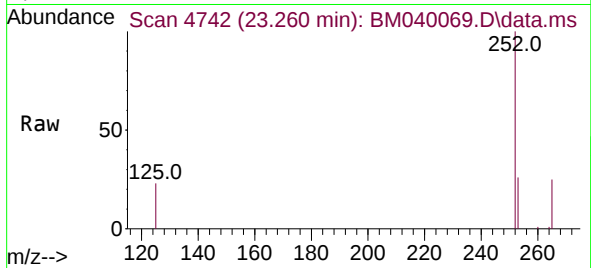




#24
Benzo(b)fluoranthene
Concen: 0.452 ng/ul
RT: 23.260 min Scan# 4743
Delta R.T. -0.006 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

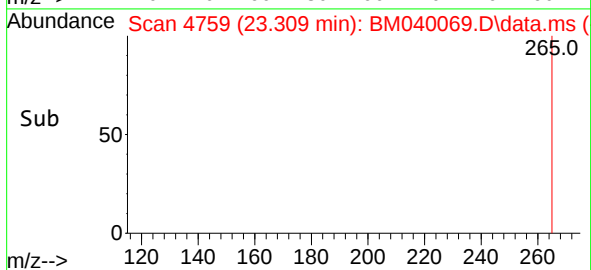
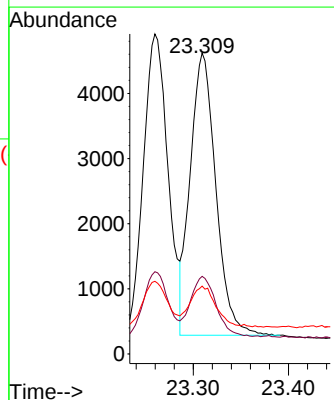
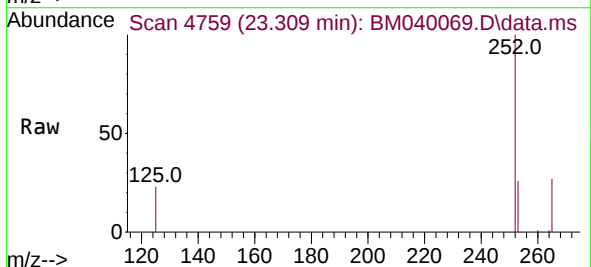
Instrument :
BNA_M
ClientSampleId :
SLCS107

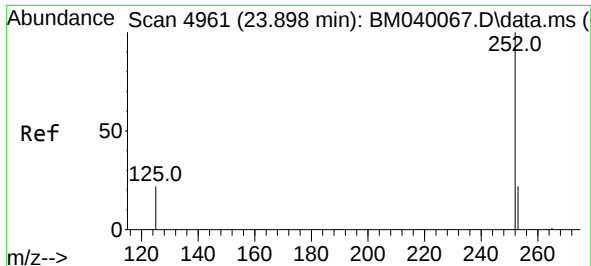
Tgt Ion:252 Resp: 8634
Ion Ratio Lower Upper
252 100
253 25.7 0.0 49.8
125 22.7 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.421 ng/ul
RT: 23.309 min Scan# 4759
Delta R.T. -0.003 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

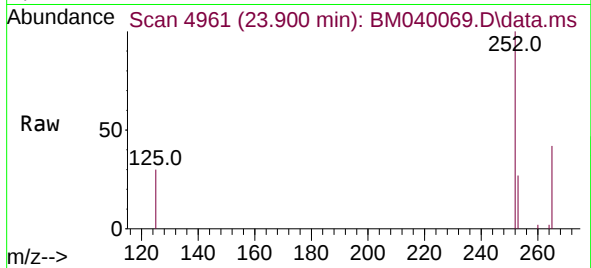
Tgt Ion:252 Resp: 8098
Ion Ratio Lower Upper
252 100
253 25.8 19.7 29.5
125 22.6 15.0 22.4#



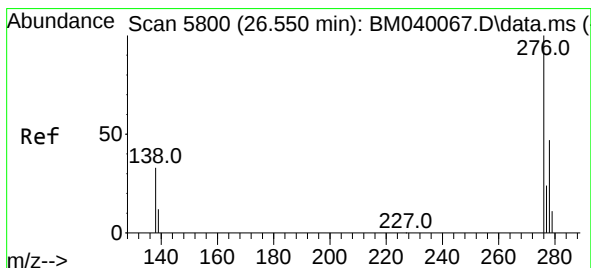
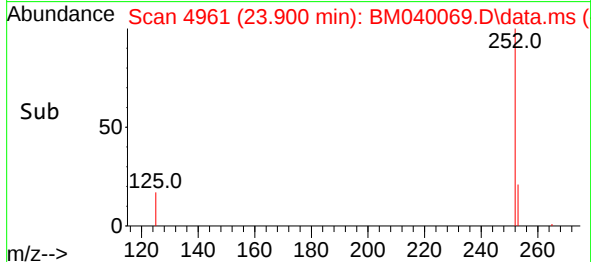
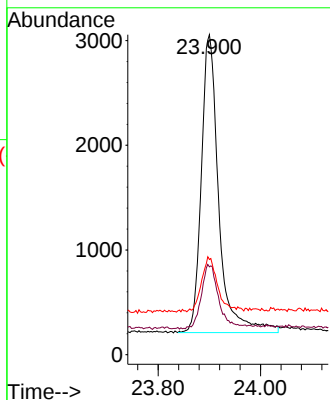


#26
Benzo(a)pyrene
Concen: 0.422 ng/ul
RT: 23.900 min Scan# 4961
Delta R.T. -0.003 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Instrument :
BNA_M
ClientSampleId :
SLCS107

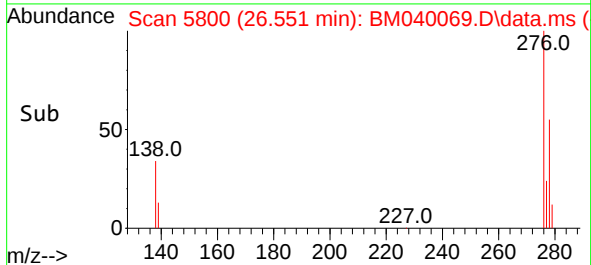
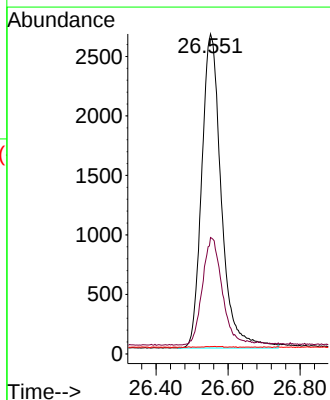
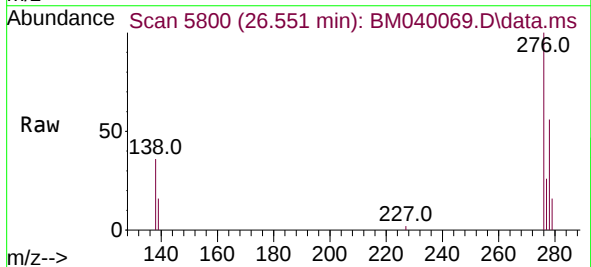


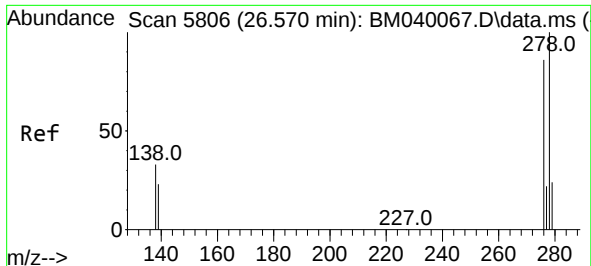
Tgt Ion:252 Resp: 6749
Ion Ratio Lower Upper
252 100
253 27.4 20.6 31.0
125 29.8 19.1 28.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.433 ng/ul
RT: 26.551 min Scan# 5800
Delta R.T. -0.007 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:276 Resp: 9958
Ion Ratio Lower Upper
276 100
138 34.5 26.9 40.3
227 0.1 0.1 0.1#

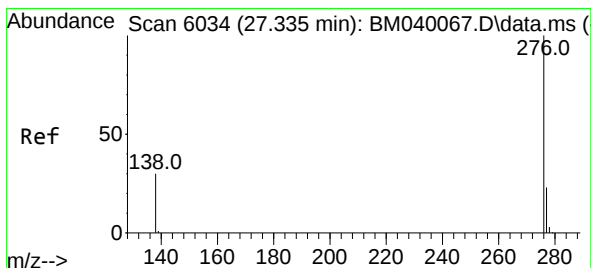
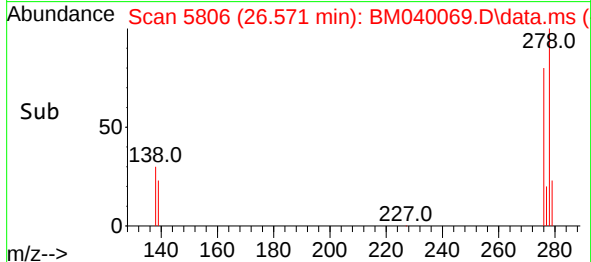
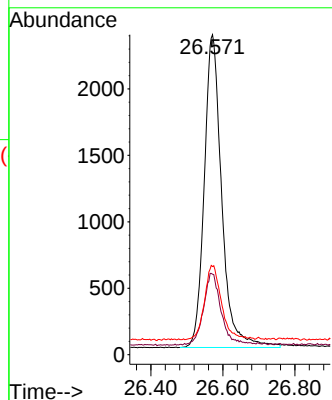
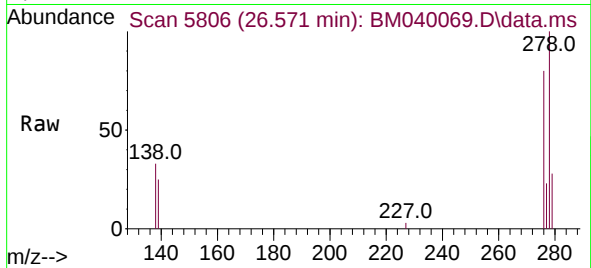




#28
Dibenzo(a,h)anthracene
Concen: 0.426 ng/ul
RT: 26.571 min Scan# 5806
Delta R.T. -0.007 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Instrument :
BNA_M
ClientSampleId :
SLCS107

Tgt Ion:278 Resp: 7914
Ion Ratio Lower Upper
278 100
139 25.2 19.0 28.4
279 27.6 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.464 ng/ul
RT: 27.329 min Scan# 6032
Delta R.T. -0.007 min
Lab File: BM040069.D
Acq: 30 May 2023 23:31

Tgt Ion:276 Resp: 8752
Ion Ratio Lower Upper
276 100
138 32.9 23.9 35.9
277 25.7 19.5 29.3

