

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053123\
 Data File : BM040096.D
 Acq On : 01 Jun 2023 01:21
 Operator : CG/JU
 Sample : 02961-12MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FQ2MSD

Quant Time: Jun 01 01:51:27 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 18:20:24 2023
 Response via : Initial Calibration

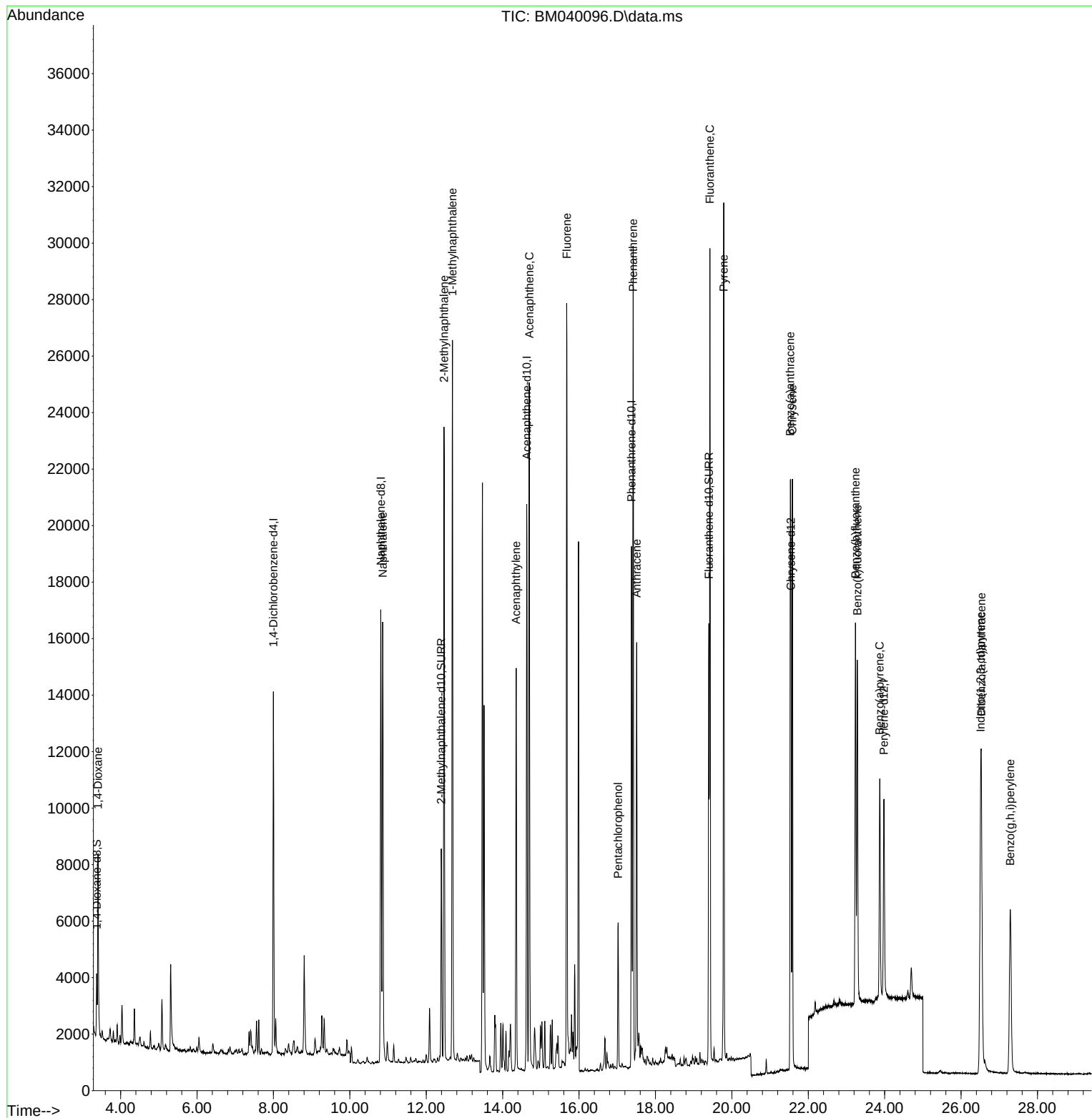
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.999	152	6341	0.400	ng/ul	0.00
4) Naphthalene-d8	10.810	136	21573	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.631	164	10362	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.373	188	19976	0.400	ng/ul	0.00
17) Chrysene-d12	21.549	240	11176	0.400	ng/ul	0.00
23) Perylene-d12	23.980	264	9925	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	1646	0.211	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.394	152	9334	0.356	ng/ul	0.00
18) Fluoranthene-d10	19.397	212	14854	0.455	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.409	88	4635	0.566	ng/ul#	63
5) Naphthalene	10.859	128	20758	0.361	ng/ul	100
7) 2-Methylnaphthalene	12.465	142	15628	0.489	ng/ul	99
8) 1-Methylnaphthalene	12.685	142	17073	0.512	ng/ul	99
10) Acenaphthylene	14.354	152	15865	0.392	ng/ul	99
11) Acenaphthene	14.696	153	13999	0.402	ng/ul	100
12) Fluorene	15.677	166	15889	0.441	ng/ul	99
14) Pentachlorophenol	17.023	266	3418	0.765	ng/ul	99
15) Phenanthrene	17.415	178	29673	0.517	ng/ul	100
16) Anthracene	17.508	178	16739	0.357	ng/ul	99
19) Fluoranthene	19.425	202	22849	0.474	ng/ul	97
20) Pyrene	19.787	202	23007	0.473	ng/ul	98
21) Benzo(a)anthracene	21.531	228	16317	0.445	ng/ul	99
22) Chrysene	21.584	228	17465	0.439	ng/ul	100
24) Benzo(b)fluoranthene	23.235	252	17024	0.407	ng/ul	97
25) Benzo(k)fluoranthene	23.285	252	15747	0.395	ng/ul	97
26) Benzo(a)pyrene	23.869	252	11908	0.350	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.513	276	15870	0.360	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.530	278	12733	0.365	ng/ul	99
29) Benzo(g,h,i)perylene	27.291	276	12997	0.363	ng/ul	99

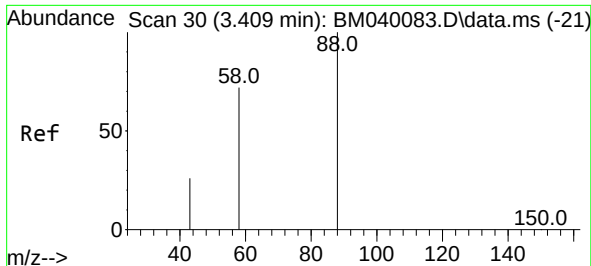
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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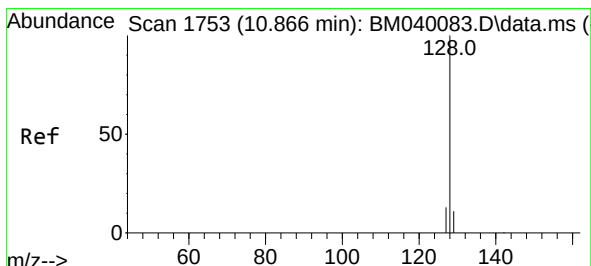
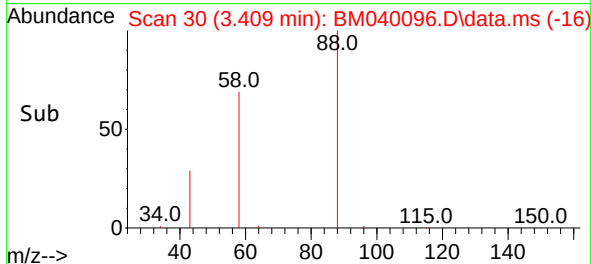
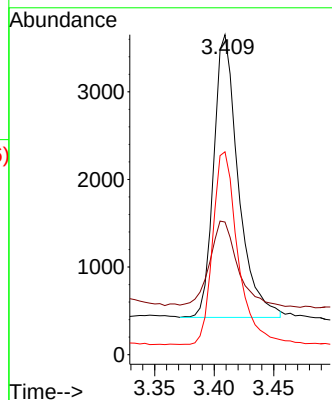
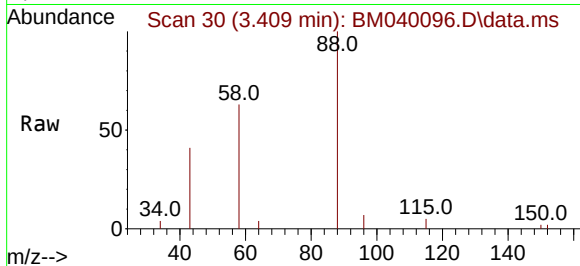




#2
1,4-Dioxane
Concen: 0.566 ng/ul
RT: 3.409 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

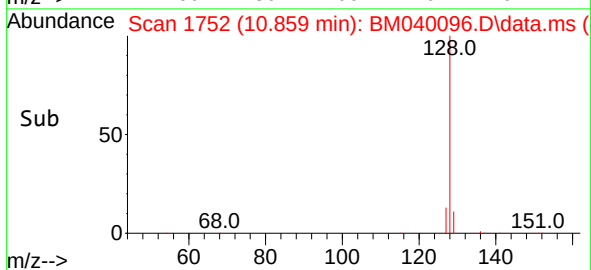
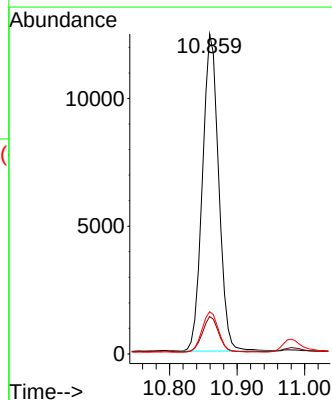
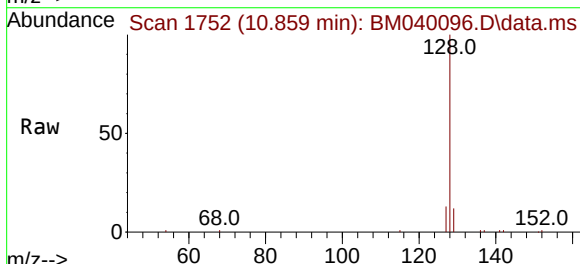
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

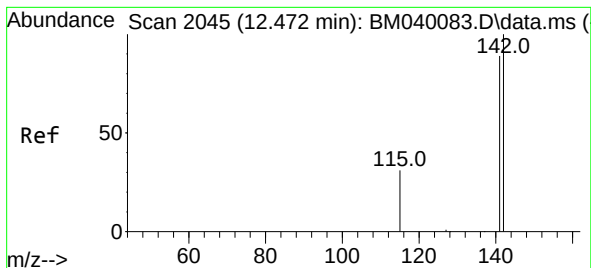
Tgt Ion: 88 Resp: 4635
Ion Ratio Lower Upper
88 100
43 41.5 81.3 121.9#
58 63.4 52.0 78.0



#5
Naphthalene
Concen: 0.361 ng/ul
RT: 10.859 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion: 128 Resp: 20758
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.2 10.5 15.7

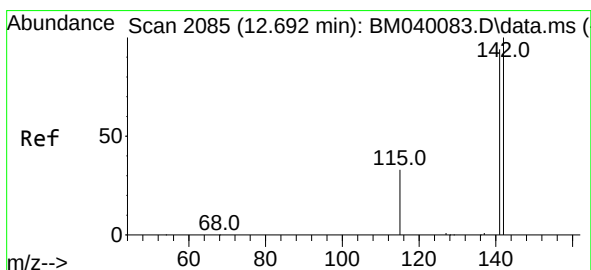
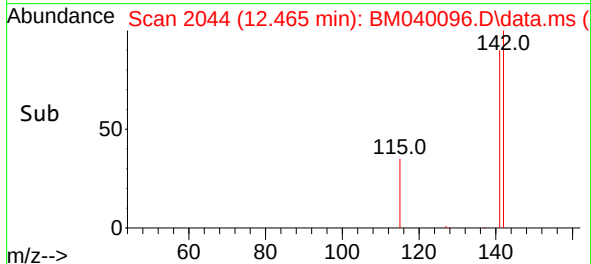
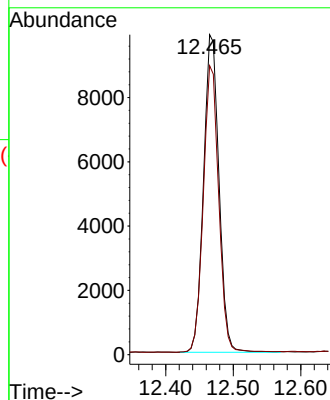
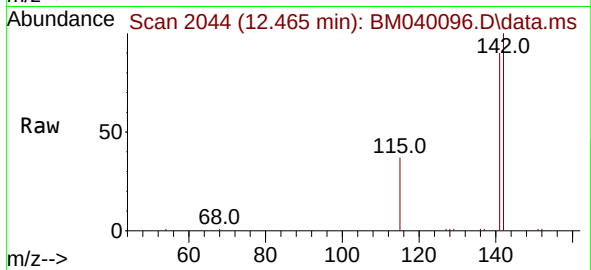




#7
2-Methylnaphthalene
Concen: 0.489 ng/ul
RT: 12.465 min Scan# 2044
Delta R.T. -0.007 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

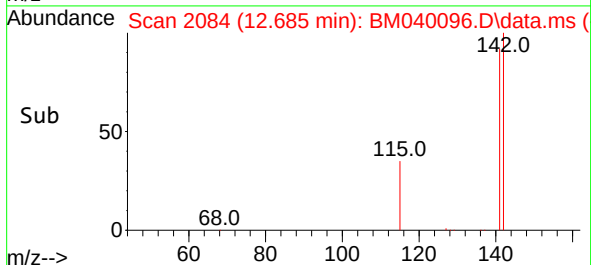
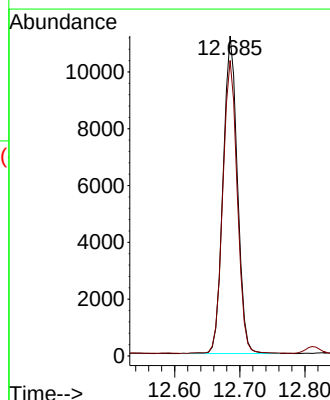
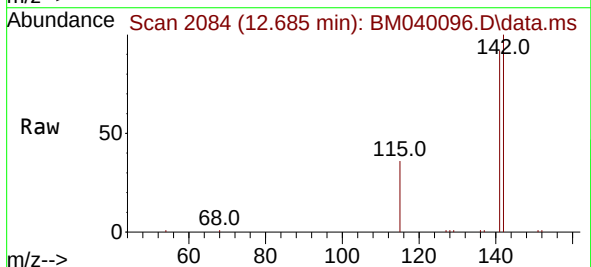
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

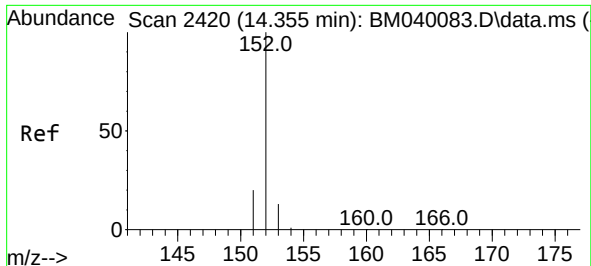
Tgt Ion:142 Resp: 15628
Ion Ratio Lower Upper
142 100
141 90.3 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.512 ng/ul
RT: 12.685 min Scan# 2084
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:142 Resp: 17073
Ion Ratio Lower Upper
142 100
141 92.8 74.7 112.1

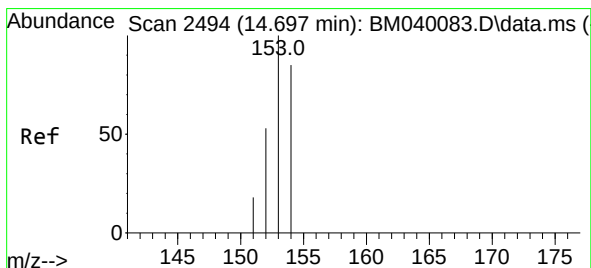
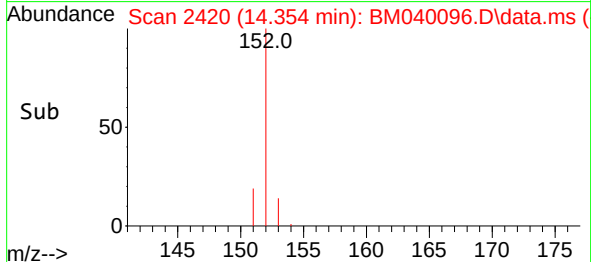
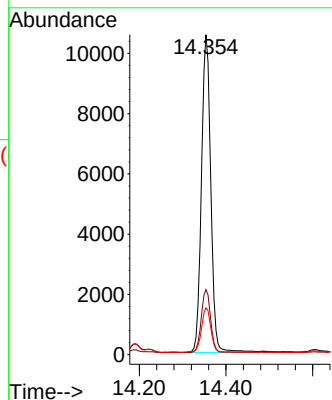
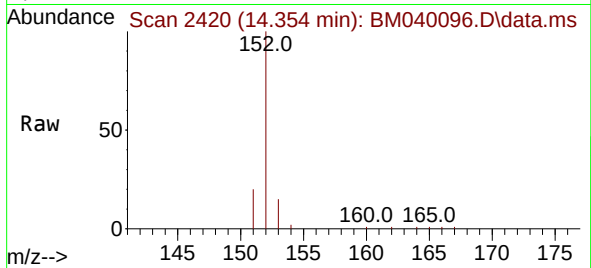




#10
Acenaphthylene
Concen: 0.392 ng/ul
RT: 14.354 min Scan# 2420
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

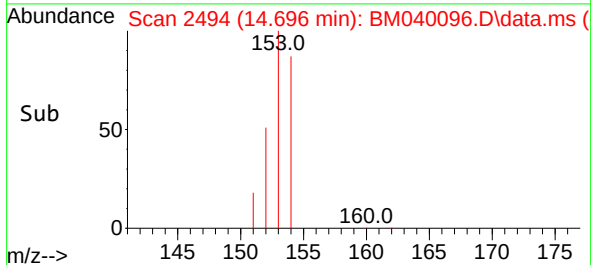
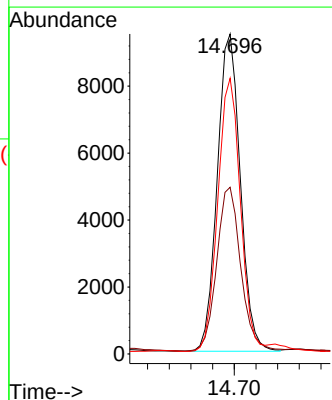
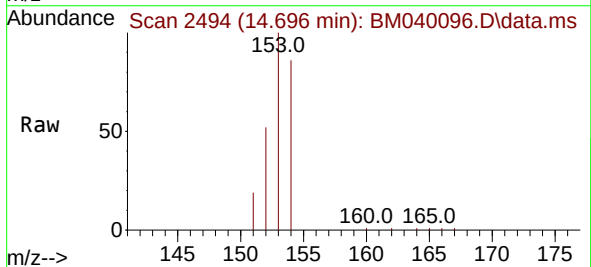
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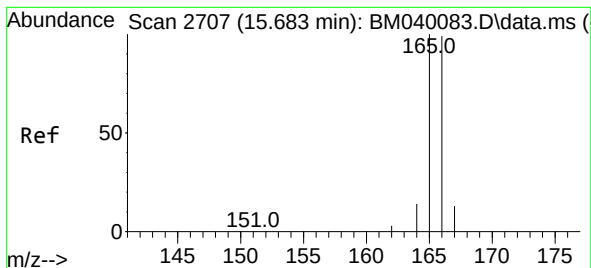
Tgt Ion:152	Resp:	15865
Ion Ratio	Lower	Upper
152	100	
151	20.3	16.4 24.6
153	14.6	10.8 16.2



#11
Acenaphthene
Concen: 0.402 ng/ul
RT: 14.696 min Scan# 2494
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:153	Resp:	13999
Ion Ratio	Lower	Upper
153	100	
152	52.1	41.2 61.8
154	86.2	68.8 103.2





#12

Fluorene

Concen: 0.441 ng/ul

RT: 15.677 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM040096.D

Acq: 01 Jun 2023 01:21

Instrument :

BNA_M

ClientSampleId :

H0FQ2MSD

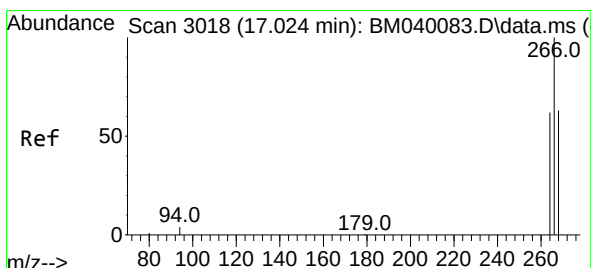
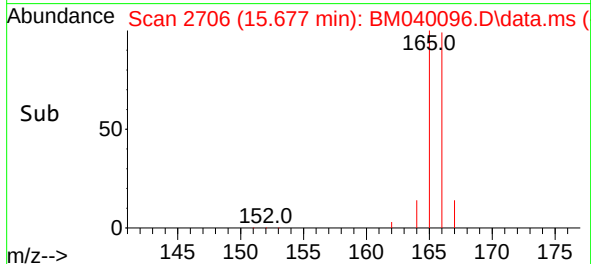
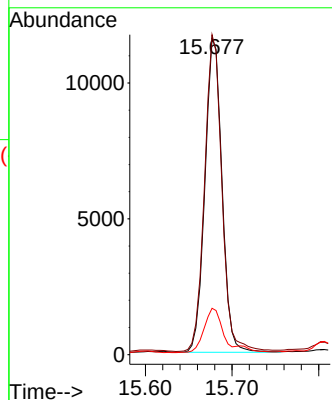
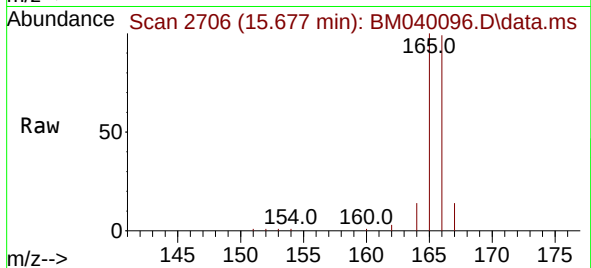
Tgt Ion:166 Resp: 15889

Ion Ratio Lower Upper

166 100

165 101.0 79.8 119.8

167 14.6 11.2 16.8



#14

Pentachlorophenol

Concen: 0.765 ng/ul

RT: 17.023 min Scan# 3018

Delta R.T. -0.001 min

Lab File: BM040096.D

Acq: 01 Jun 2023 01:21

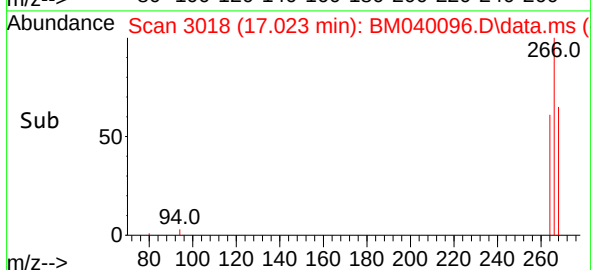
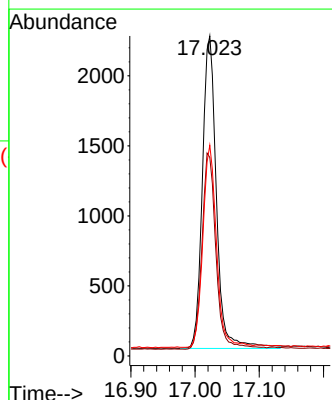
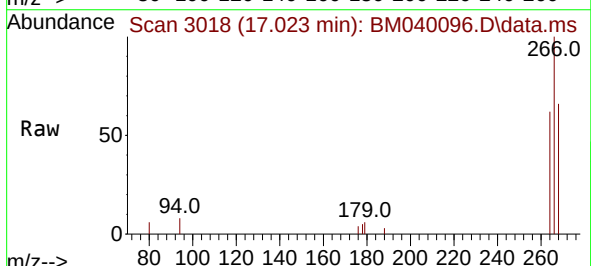
Tgt Ion:266 Resp: 3418

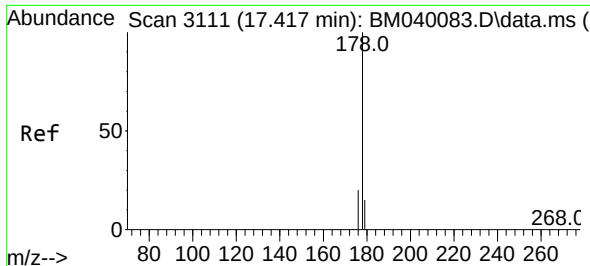
Ion Ratio Lower Upper

266 100

264 62.3 49.9 74.9

268 63.7 51.5 77.3

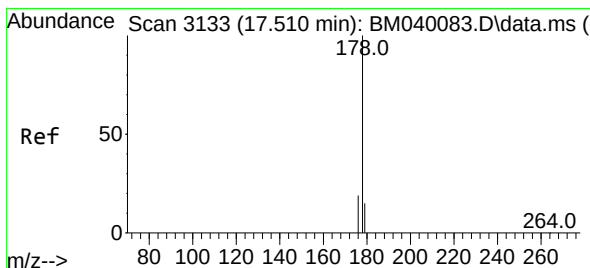
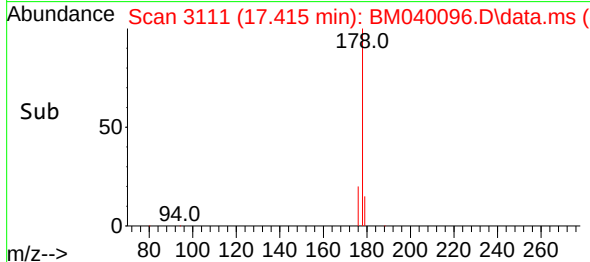
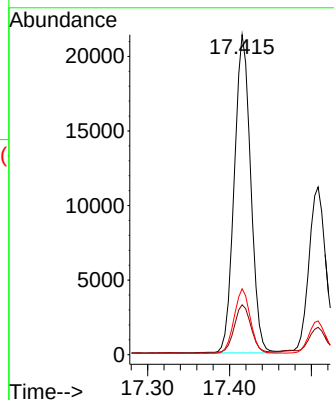
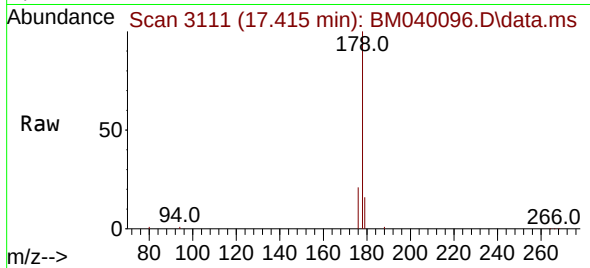




#15
Phenanthrene
Concen: 0.517 ng/ul
RT: 17.415 min Scan# 3111
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

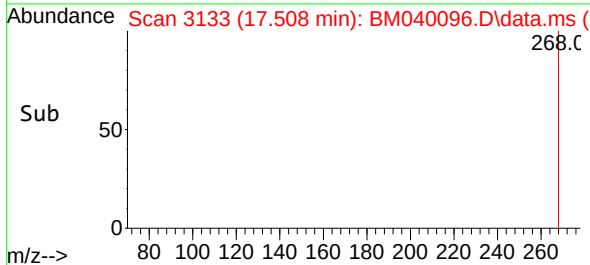
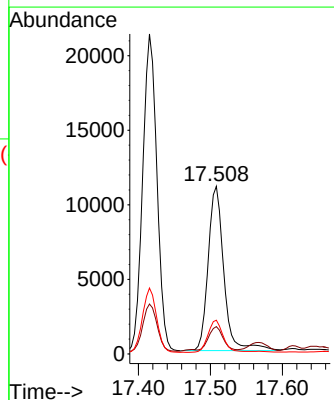
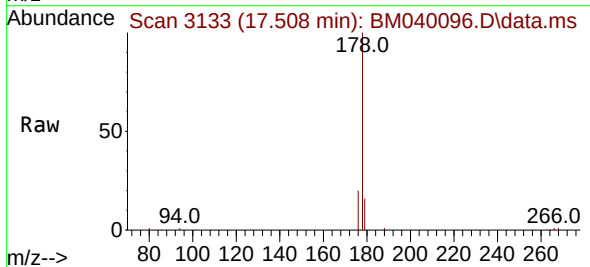
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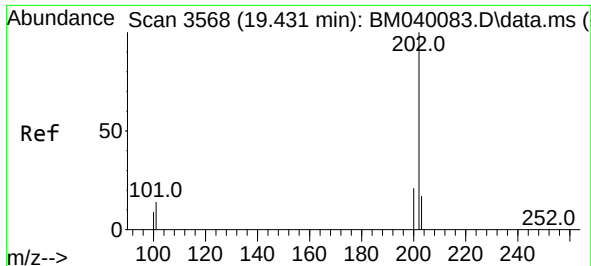
Tgt Ion:	178	Resp:	29673
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.4	18.6
176	20.6	16.4	24.6



#16
Anthracene
Concen: 0.357 ng/ul
RT: 17.508 min Scan# 3133
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:	178	Resp:	16739
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.6	19.0
176	20.1	15.8	23.6

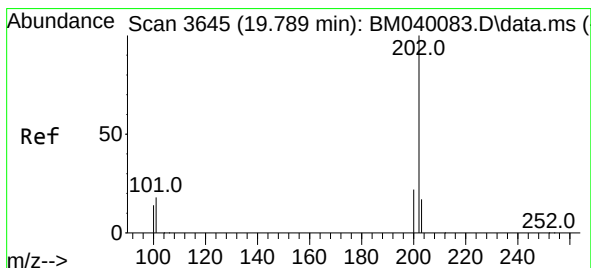
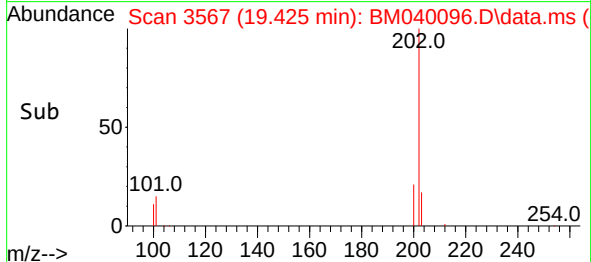
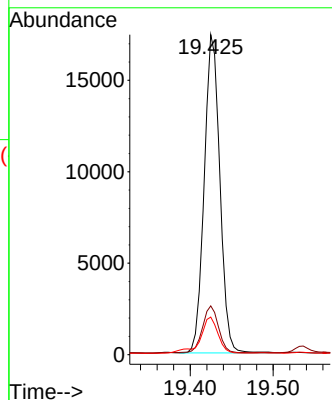
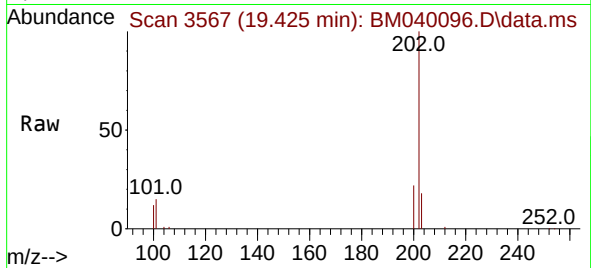




#19
Fluoranthene
Concen: 0.474 ng/ul
RT: 19.425 min Scan# 3567
Delta R.T. -0.006 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

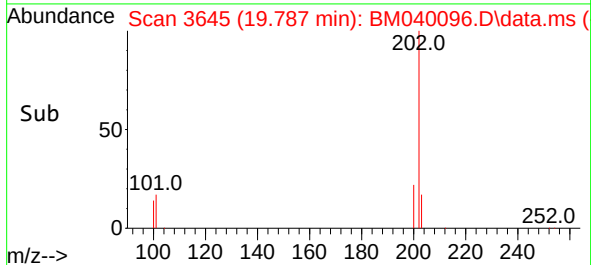
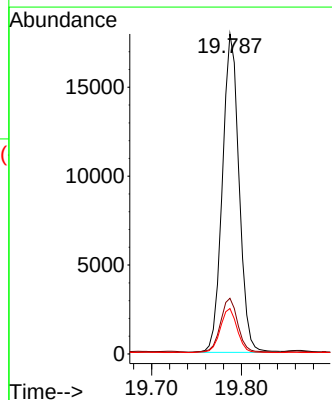
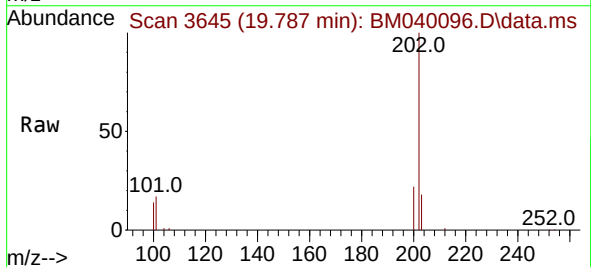
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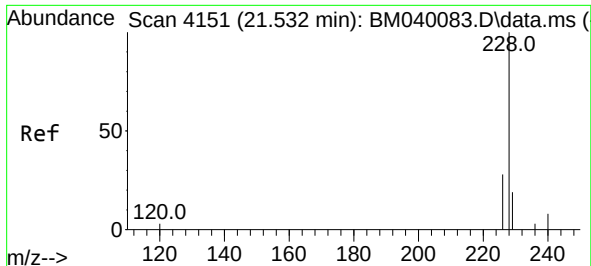
Tgt Ion:202 Resp: 22849
Ion Ratio Lower Upper
202 100
101 15.2 11.2 16.8
100 11.8 8.6 12.8



#20
Pyrene
Concen: 0.473 ng/ul
RT: 19.787 min Scan# 3645
Delta R.T. -0.001 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:202 Resp: 23007
Ion Ratio Lower Upper
202 100
101 17.4 14.7 22.1
100 14.2 12.2 18.2

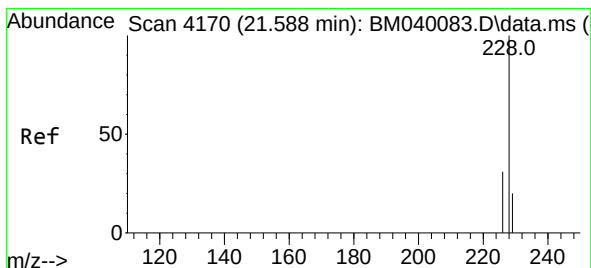
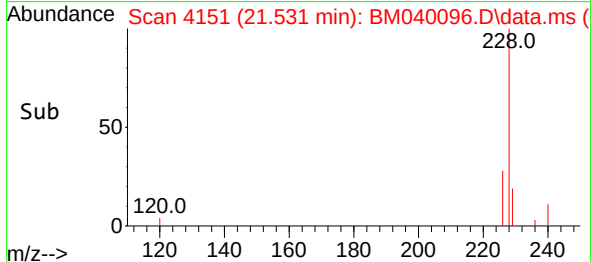
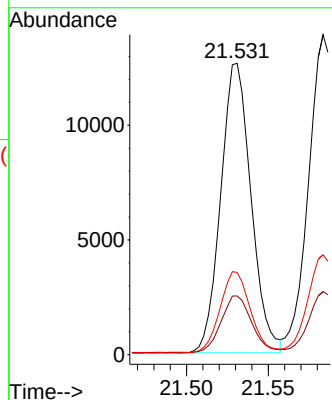
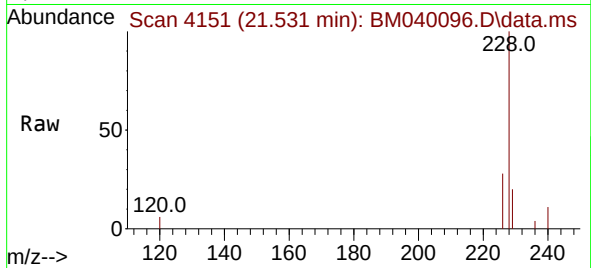




#21
Benzo(a)anthracene
Concen: 0.445 ng/ul
RT: 21.531 min Scan# 4151
Delta R.T. -0.004 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

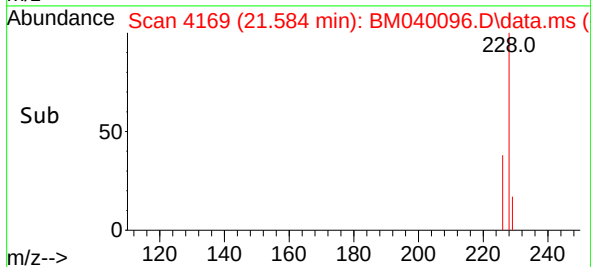
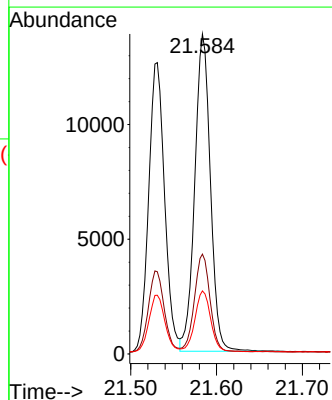
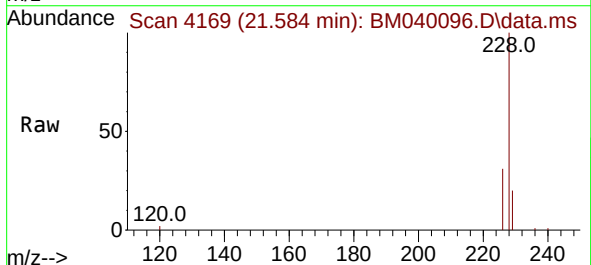
Instrument :
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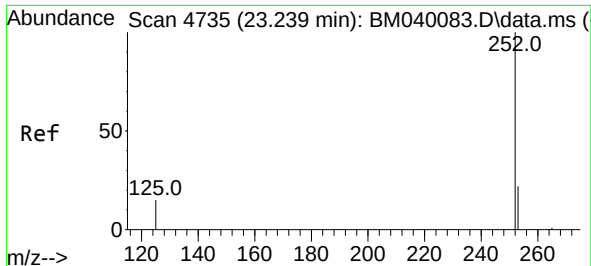
Tgt Ion:228 Resp: 16317
Ion Ratio Lower Upper
228 100
229 20.2 16.1 24.1
226 28.2 22.1 33.1



#22
Chrysene
Concen: 0.439 ng/ul
RT: 21.584 min Scan# 4169
Delta R.T. -0.004 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:228 Resp: 17465
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 19.7 15.9 23.9

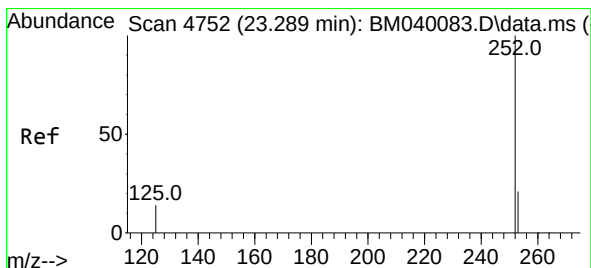
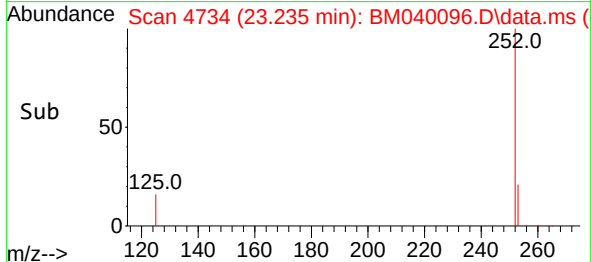
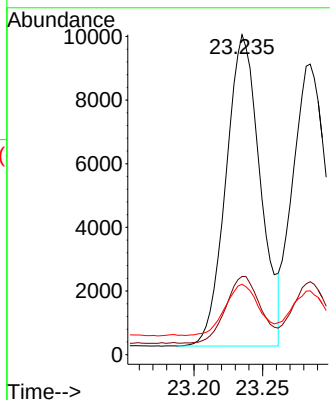
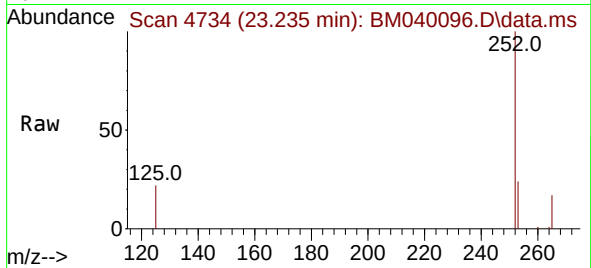




#24
Benzo(b)fluoranthene
Concen: 0.407 ng/ul
RT: 23.235 min Scan# 4735
Delta R.T. -0.007 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

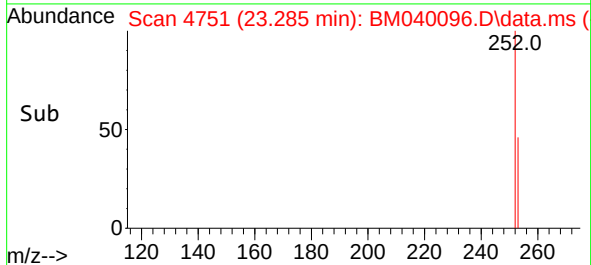
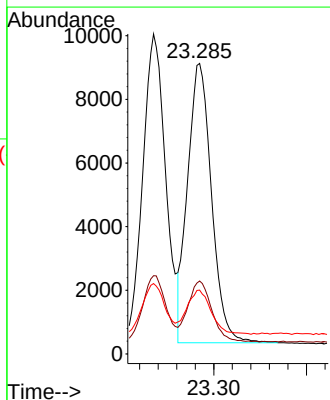
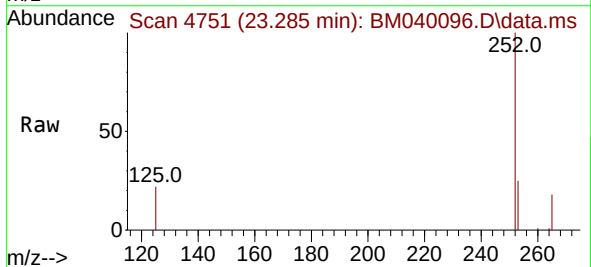
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

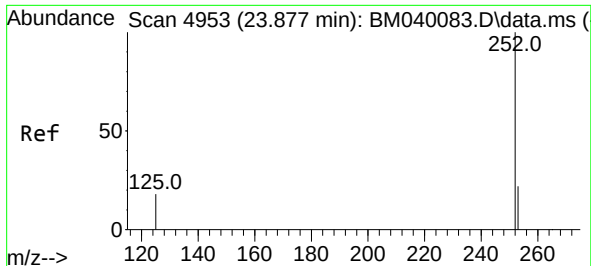
Tgt Ion:252	Resp:	17024
Ion Ratio	Lower	Upper
252	100	
253	24.5	0.0 48.6
125	22.0	0.0 38.8



#25
Benzo(k)fluoranthene
Concen: 0.395 ng/ul
RT: 23.285 min Scan# 4751
Delta R.T. -0.007 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:252	Resp:	15747
Ion Ratio	Lower	Upper
252	100	
253	25.1	19.5 29.3
125	22.0	15.9 23.9

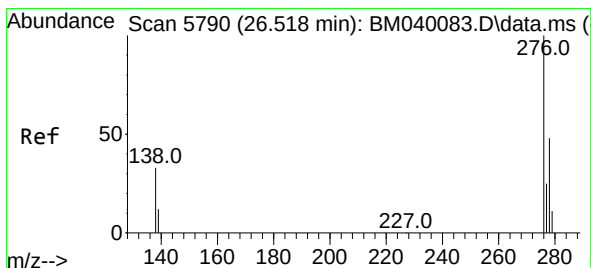
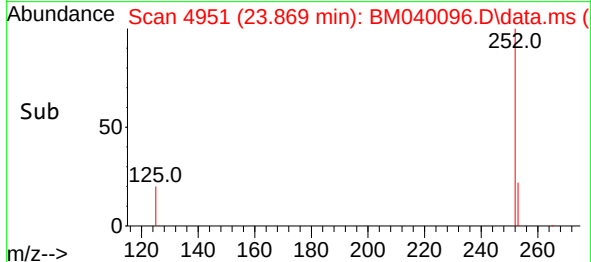
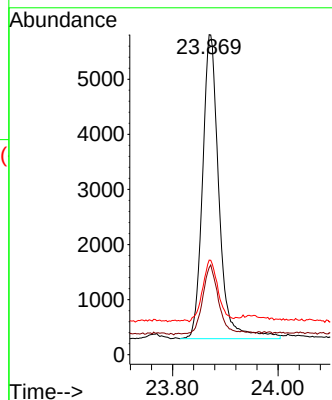
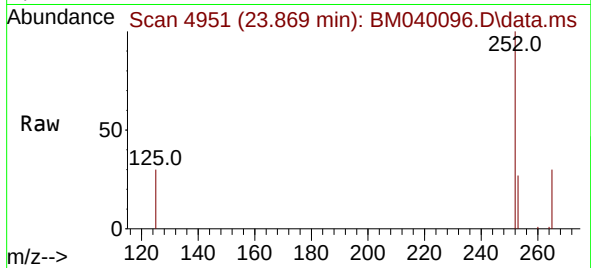




#26
Benzo(a)pyrene
Concen: 0.350 ng/ul
RT: 23.869 min Scan# 4951
Delta R.T. -0.007 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

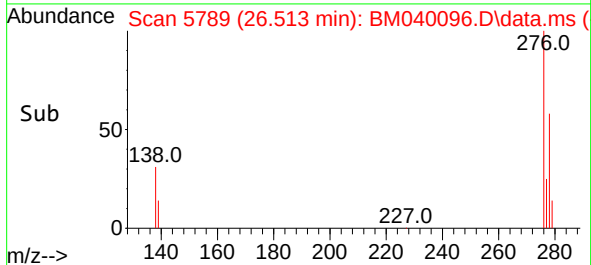
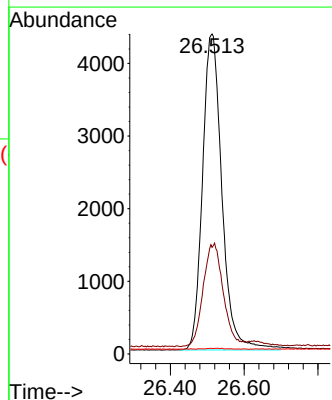
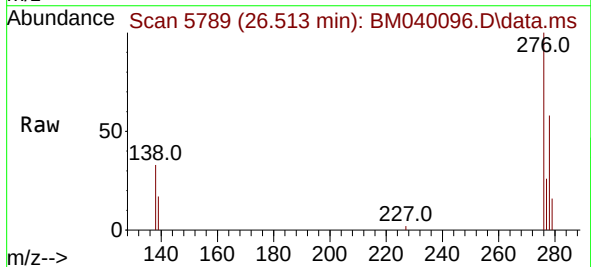
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

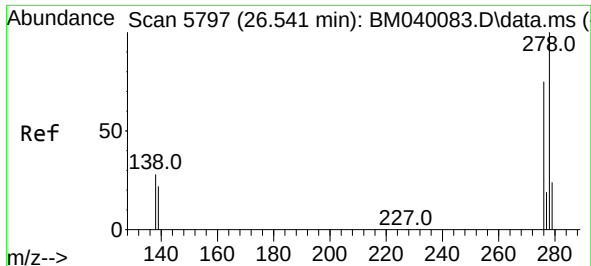
Tgt Ion:	252	Resp:	11908
Ion Ratio	Lower	Upper	
252	100		
253	27.2	21.0	31.4
125	29.5	19.8	29.8



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng/ul
RT: 26.513 min Scan# 5789
Delta R.T. -0.008 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:	276	Resp:	15870
Ion Ratio	Lower	Upper	
276	100		
138	35.7	28.0	42.0
227	0.2	0.1	0.1

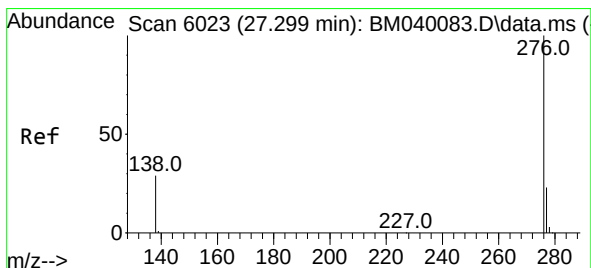
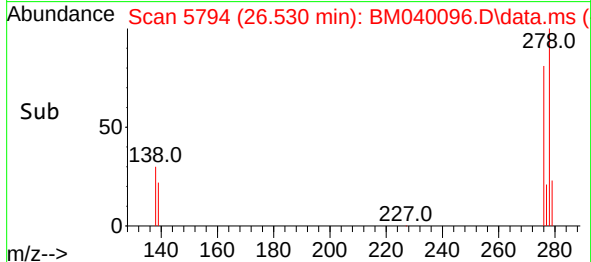
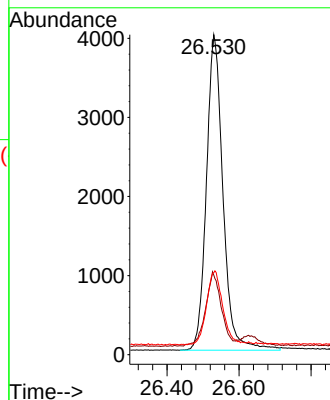
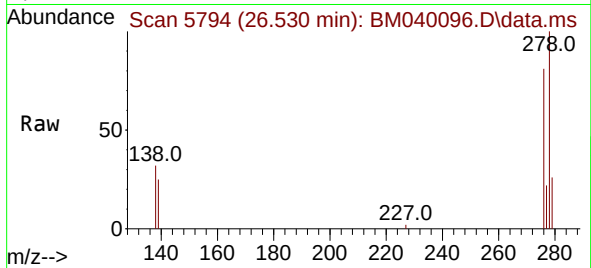




#28
Dibenzo(a,h)anthracene
Concen: 0.365 ng/ul
RT: 26.530 min Scan# 51
Delta R.T. -0.011 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

Tgt Ion:278 Resp: 12733
Ion Ratio Lower Upper
278 100
139 24.8 19.6 29.4
279 25.6 21.0 31.6



#29
Benzo(g,h,i)perylene
Concen: 0.363 ng/ul
RT: 27.291 min Scan# 6021
Delta R.T. -0.011 min
Lab File: BM040096.D
Acq: 01 Jun 2023 01:21

Tgt Ion:276 Resp: 12997
Ion Ratio Lower Upper
276 100
138 31.1 25.2 37.8
277 25.1 19.8 29.8

