

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
 Data File : BM040072.D
 Acq On : 31 May 2023 01:19
 Operator : CG/JU
 Sample : 02961-12MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FQ2MSD

Quant Time: May 31 02:04:36 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

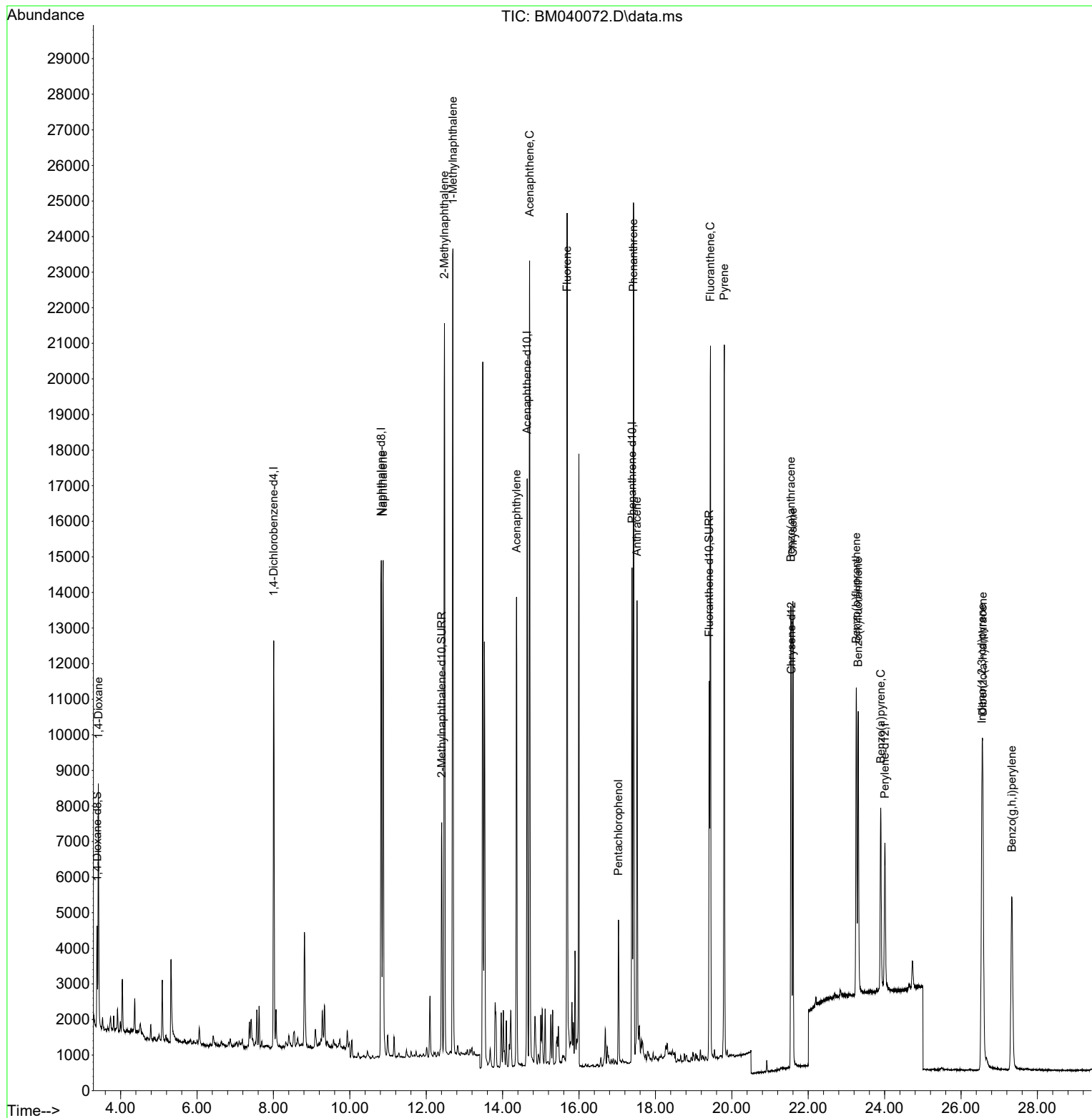
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	5618	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	18823	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.642	164	8567	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	15156	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.561	240	6210	0.400	ng/ul	0.00
23) Perylene-d12	24.005	264	5907	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	1840	0.281	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	8533	0.371	ng/ul	0.00
18) Fluoranthene-d10	19.407	212	10566	0.565	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.417	88	4400	0.639	ng/ul#	91
5) Naphthalene	10.871	128	18897	0.411	ng/ul	100
7) 2-Methylnaphthalene	12.477	142	14327	0.516	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	15563	0.539	ng/ul	99
10) Acenaphthylene	14.364	152	14503	0.425	ng/ul	98
11) Acenaphthene	14.707	153	12792	0.460	ng/ul	99
12) Fluorene	15.687	166	14296	0.494	ng/ul	97
14) Pentachlorophenol	17.032	266	2658	0.865	ng/ul	98
15) Phenanthrene	17.425	178	24818	0.578	ng/ul	99
16) Anthracene	17.518	178	14386	0.400	ng/ul	98
19) Fluoranthene	19.440	202	16452	0.589	ng/ul	99
20) Pyrene	19.802	202	15999	0.565	ng/ul	99
21) Benzo(a)anthracene	21.547	228	10178	0.487	ng/ul	99
22) Chrysene	21.599	228	10978	0.494	ng/ul	99
24) Benzo(b)fluoranthene	23.257	252	11027	0.470	ng/ul	95
25) Benzo(k)fluoranthene	23.306	252	10519	0.445	ng/ul#	94
26) Benzo(a)pyrene	23.897	252	8194	0.418	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.548	276	12948	0.459	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.568	278	10335	0.453	ng/ul	97
29) Benzo(g,h,i)perylene	27.329	276	10936	0.472	ng/ul	97

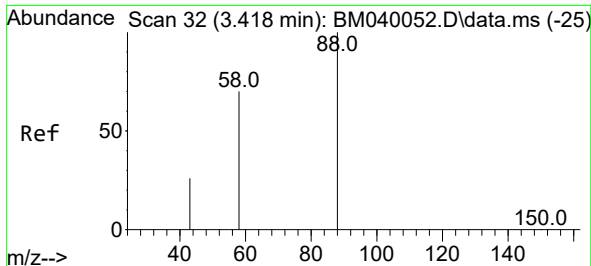
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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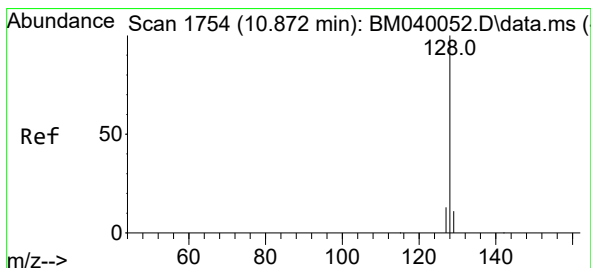
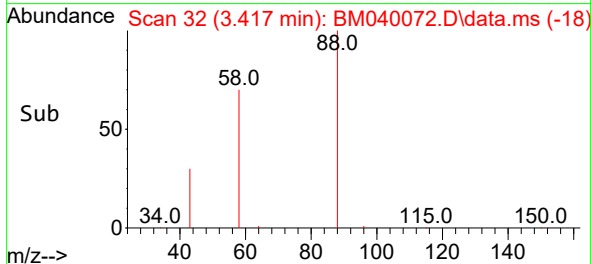
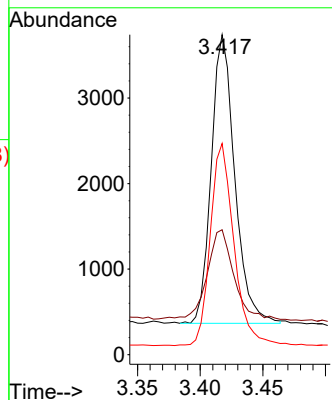
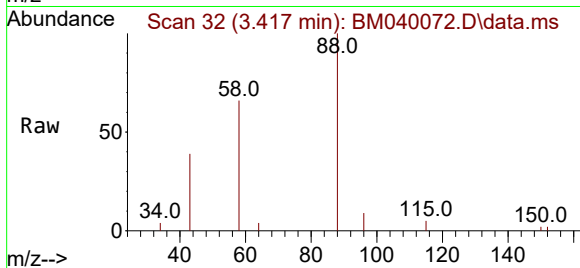




#2
1,4-Dioxane
Concen: 0.639 ng/ul
RT: 3.417 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

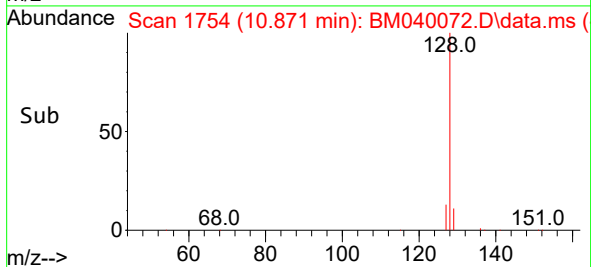
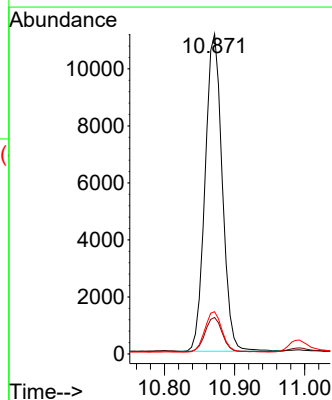
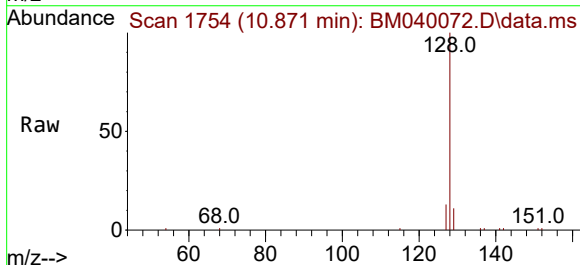
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

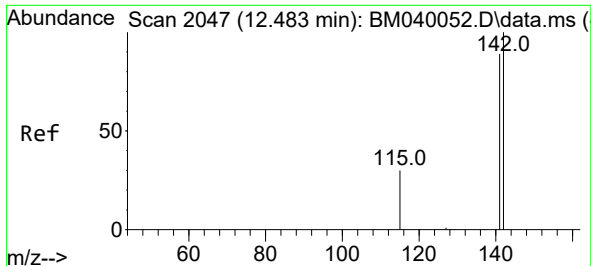
Tgt Ion: 88 Resp: 4400
Ion Ratio Lower Upper
88 100
43 39.1 25.9 38.9#
58 66.0 48.5 72.7



#5
Naphthalene
Concen: 0.411 ng/ul
RT: 10.871 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion: 128 Resp: 18897
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.2 10.5 15.7

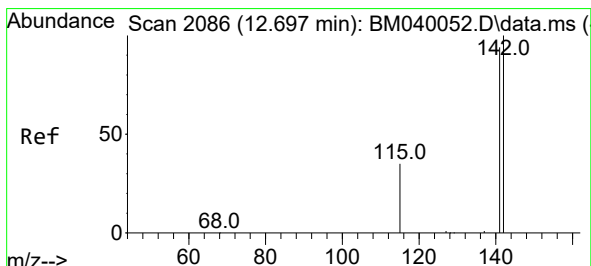
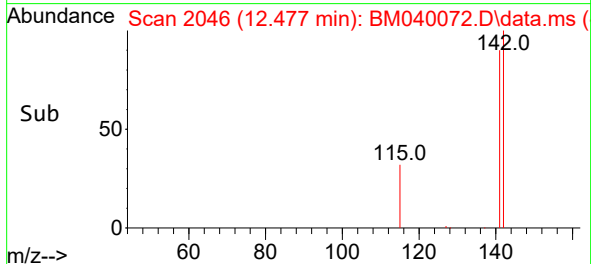
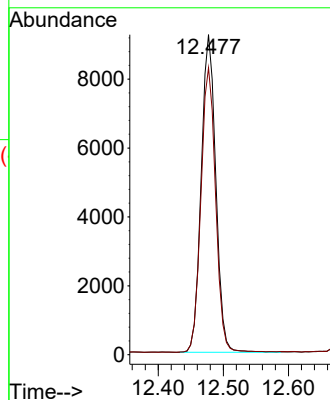
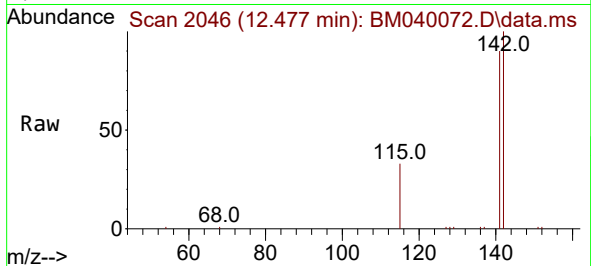




#7
2-Methylnaphthalene
Concen: 0.516 ng/ul
RT: 12.477 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

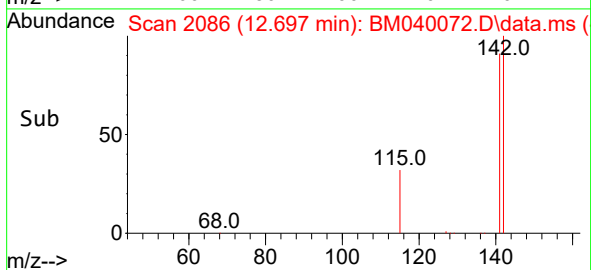
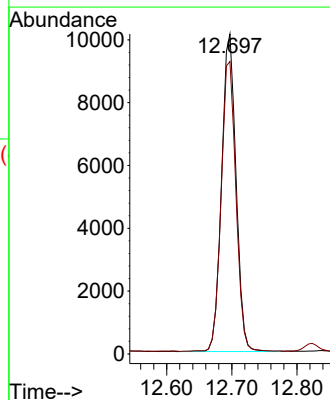
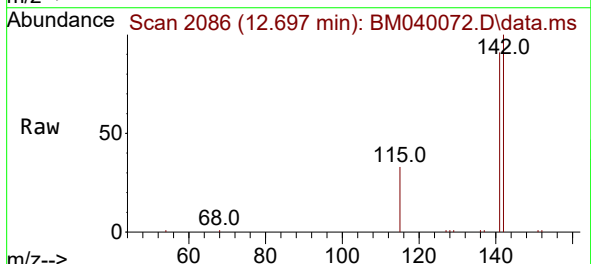
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

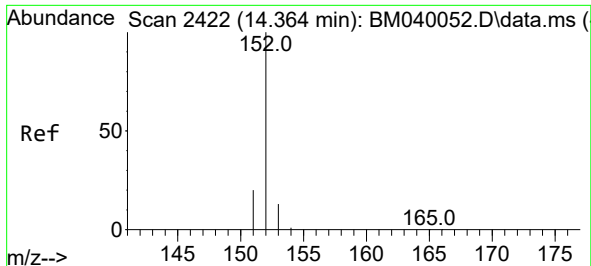
Tgt Ion:142 Resp: 14327
Ion Ratio Lower Upper
142 100
141 90.1 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.539 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:142 Resp: 15563
Ion Ratio Lower Upper
142 100
141 93.3 73.8 110.6

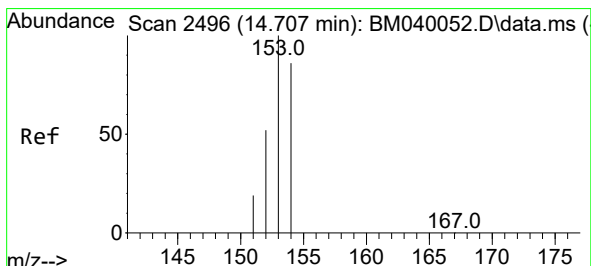
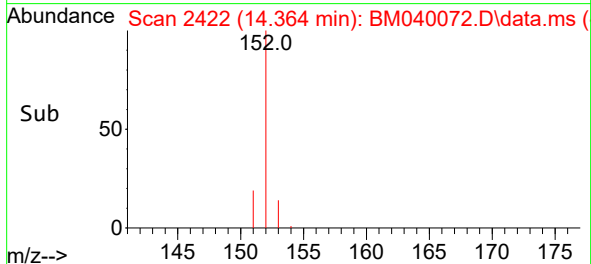
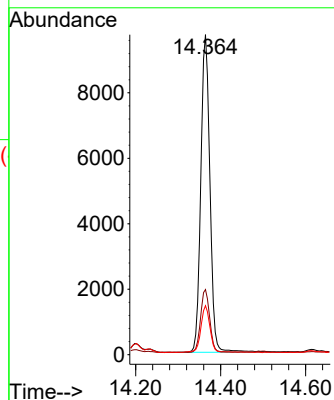
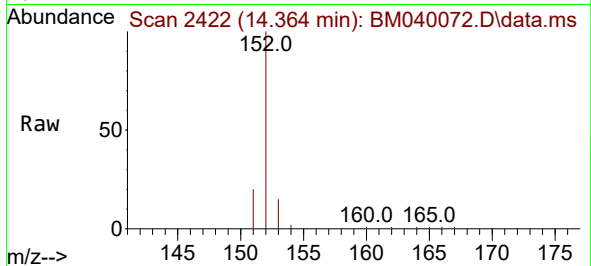




#10
Acenaphthylene
Concen: 0.425 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

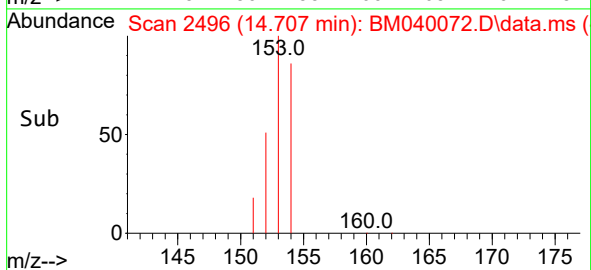
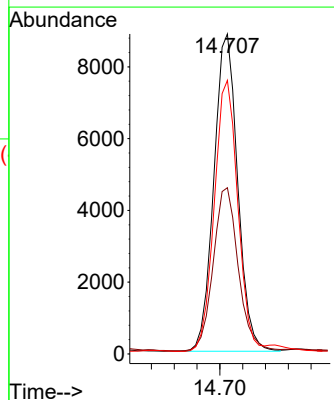
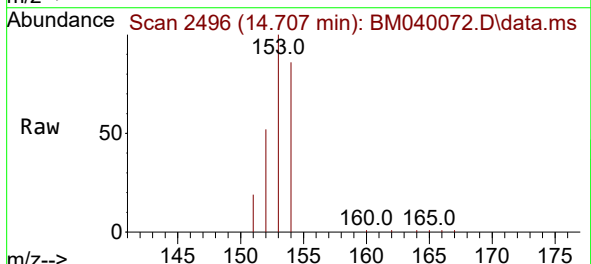
Instrument :
BNA_M
ClientSampleId :
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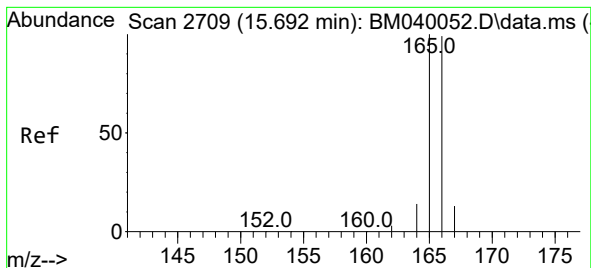
Tgt Ion:	152	Resp:	14503
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.2	24.4
153	15.3	10.6	16.0



#11
Acenaphthene
Concen: 0.460 ng/ul
RT: 14.707 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:	153	Resp:	12792
Ion Ratio	Lower	Upper	
153	100		
152	52.0	42.0	63.0
154	85.5	69.4	104.2





#12

Fluorene

Concen: 0.494 ng/ul

RT: 15.687 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

Instrument :

BNA_M

ClientSampleId :

H0FQ2MSD

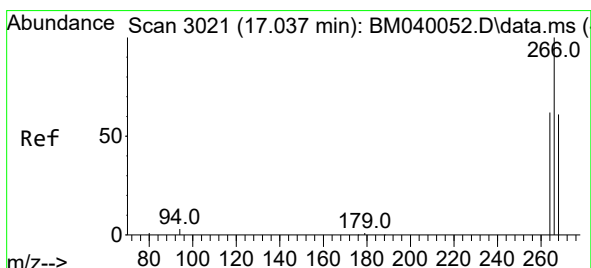
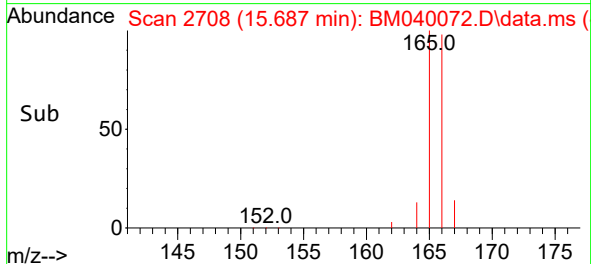
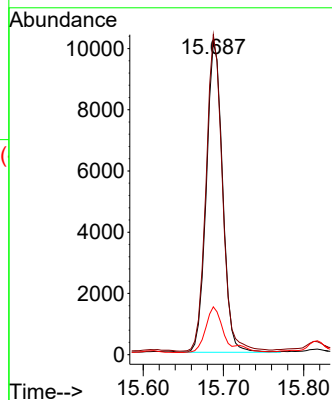
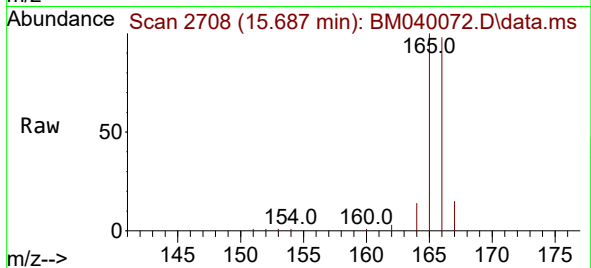
Tgt Ion:166 Resp: 14296

Ion Ratio Lower Upper

166 100

165 102.1 79.3 118.9

167 15.3 10.8 16.2



#14

Pentachlorophenol

Concen: 0.865 ng/ul

RT: 17.032 min Scan# 3020

Delta R.T. -0.004 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

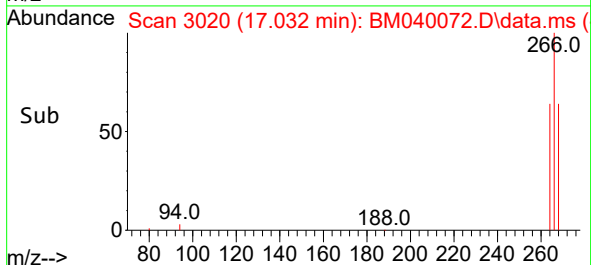
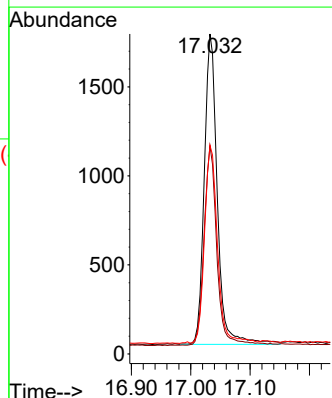
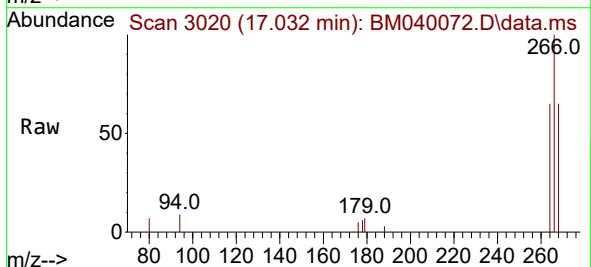
Tgt Ion:266 Resp: 2658

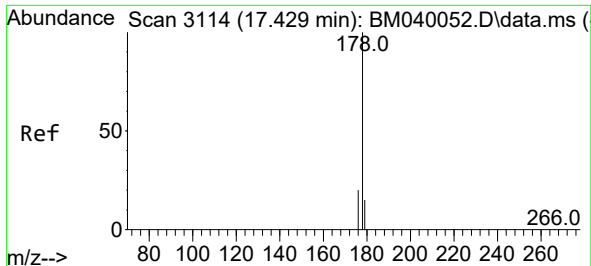
Ion Ratio Lower Upper

266 100

264 63.0 49.2 73.8

268 64.0 51.9 77.9

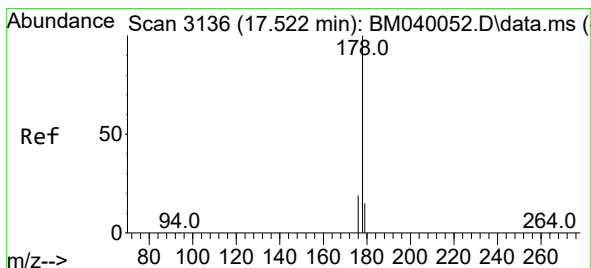
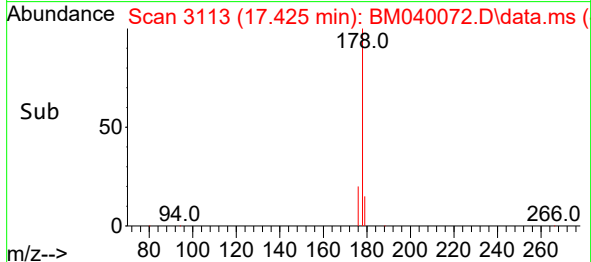
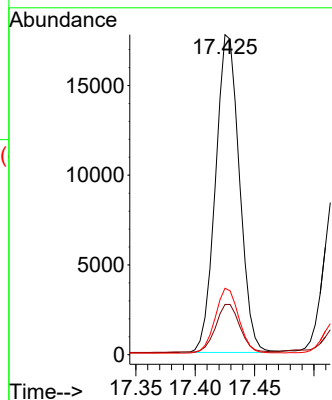
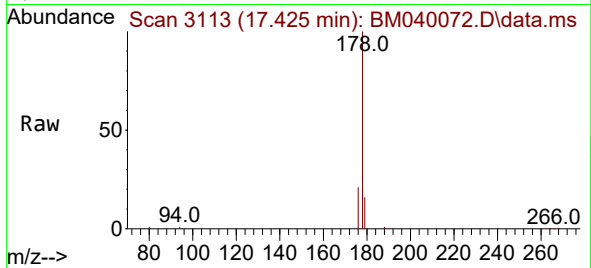




#15
Phenanthrene
Concen: 0.578 ng/ul
RT: 17.425 min Scan# 3113
Delta R.T. -0.004 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

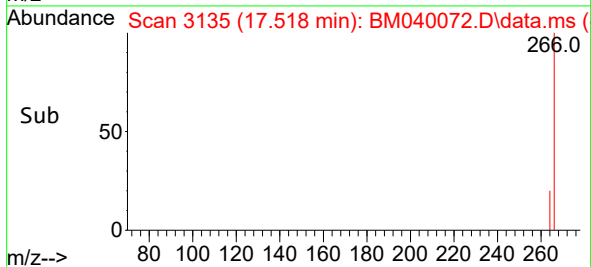
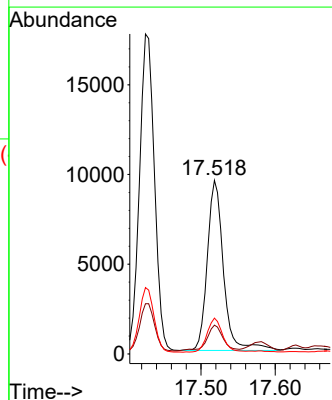
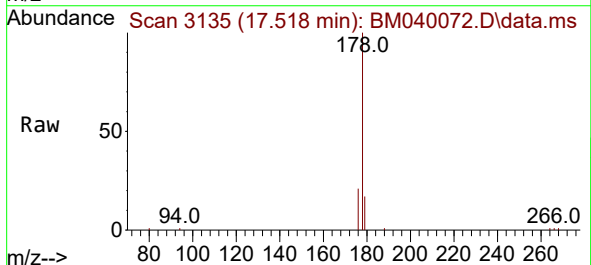
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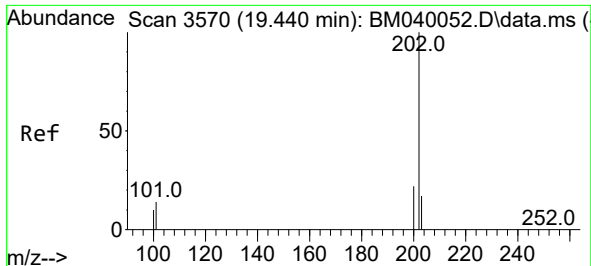
Tgt Ion:178 Resp: 24818
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 20.7 16.3 24.5



#16
Anthracene
Concen: 0.400 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:178 Resp: 14386
Ion Ratio Lower Upper
178 100
179 16.6 12.6 19.0
176 20.6 15.5 23.3

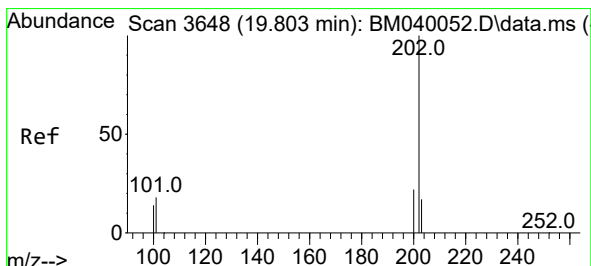
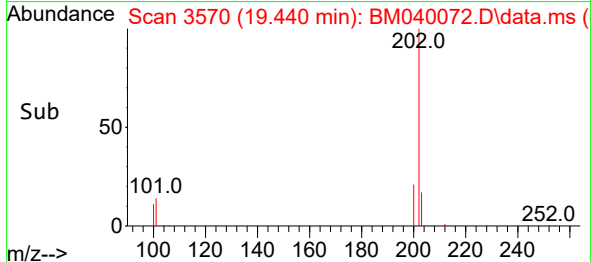
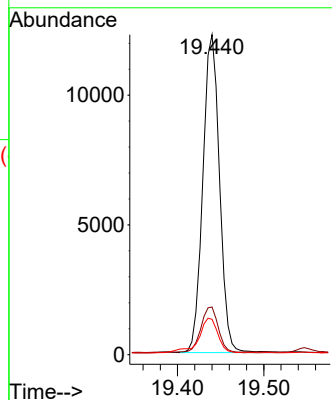
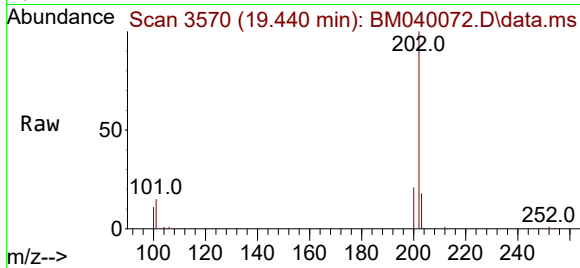




#19
Fluoranthene
Concen: 0.589 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

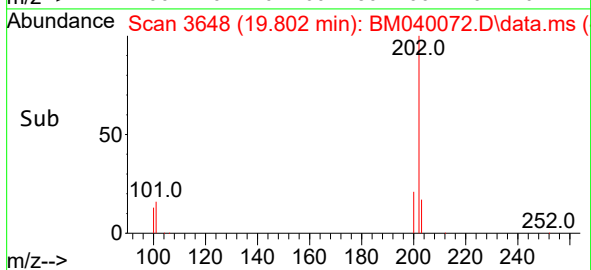
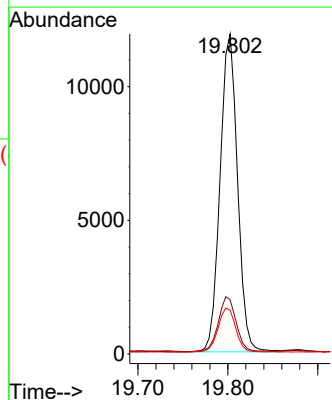
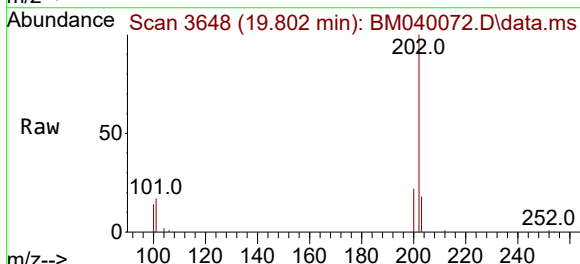
Instrument :
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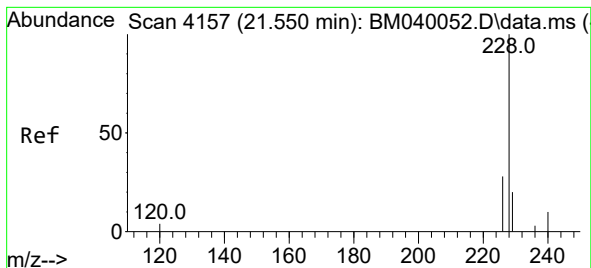
Tgt Ion:202 Resp: 16452
Ion Ratio Lower Upper
202 100
101 14.9 11.5 17.3
100 11.0 8.5 12.7



#20
Pyrene
Concen: 0.565 ng/ul
RT: 19.802 min Scan# 3648
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:202 Resp: 15999
Ion Ratio Lower Upper
202 100
101 17.0 13.3 19.9
100 13.7 10.9 16.3





#21

Benzo(a)anthracene

Concen: 0.487 ng/ul

RT: 21.547 min Scan# 4157

Delta R.T. -0.003 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

Instrument :

BNA_M

ClientSampleId :

H0FQ2MSD

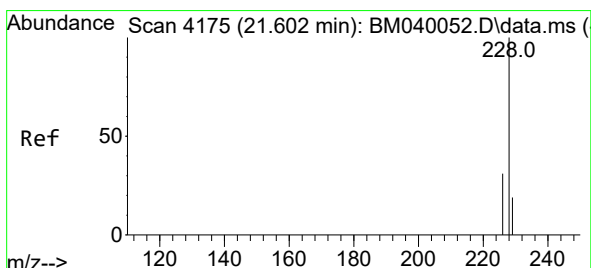
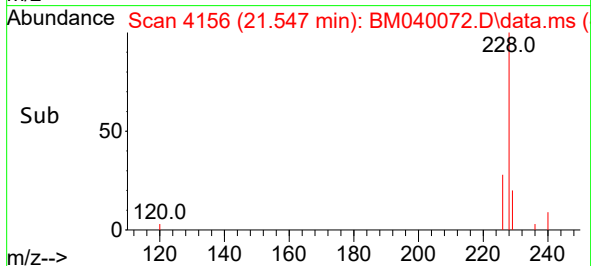
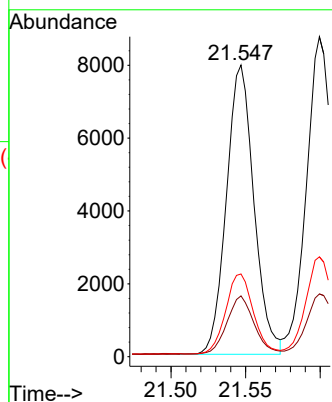
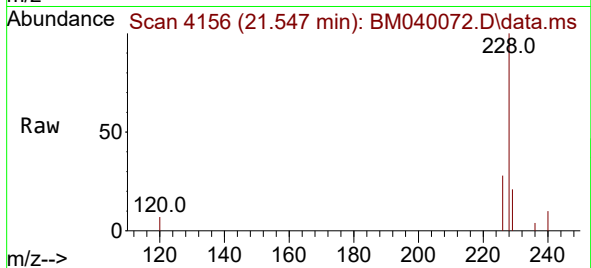
Tgt Ion:228 Resp: 10178

Ion Ratio Lower Upper

228 100

229 20.8 15.6 23.4

226 28.4 22.5 33.7



#22

Chrysene

Concen: 0.494 ng/ul

RT: 21.599 min Scan# 4174

Delta R.T. -0.003 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

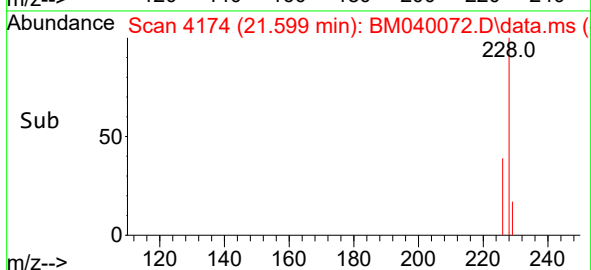
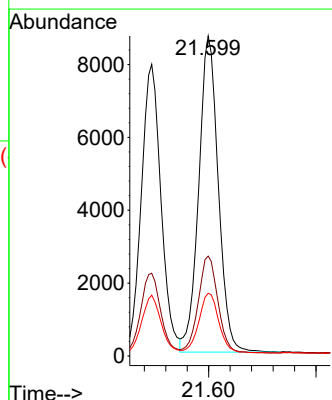
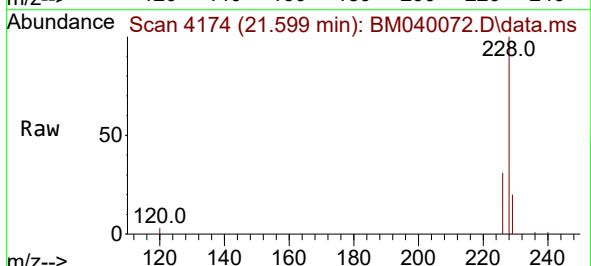
Tgt Ion:228 Resp: 10978

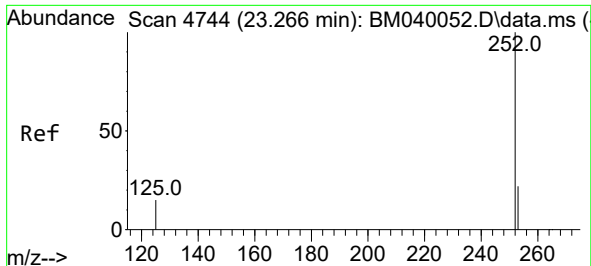
Ion Ratio Lower Upper

228 100

226 31.2 24.6 36.8

229 19.6 15.6 23.4

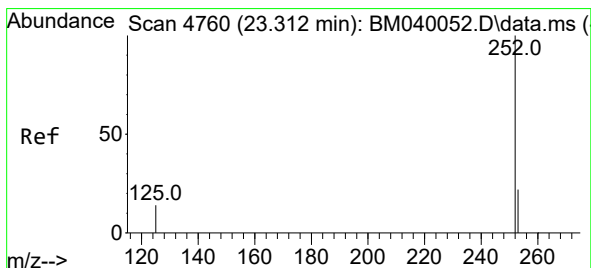
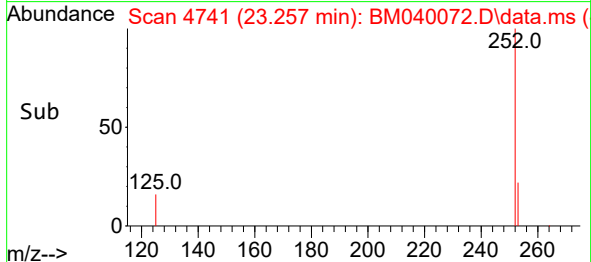
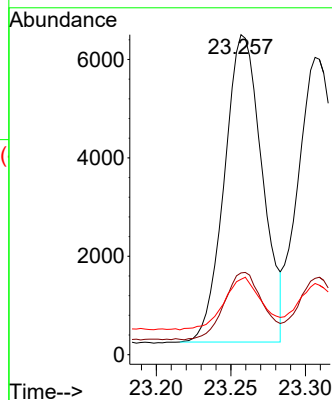
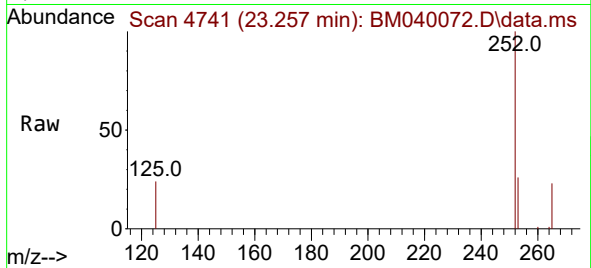




#24
Benzo(b)fluoranthene
Concen: 0.470 ng/ul
RT: 23.257 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

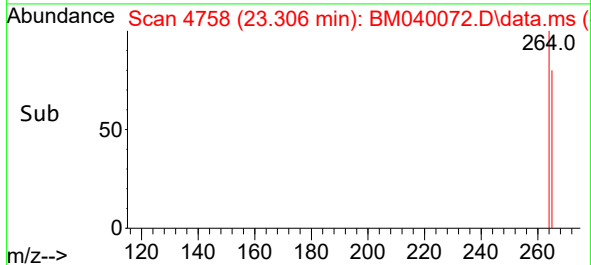
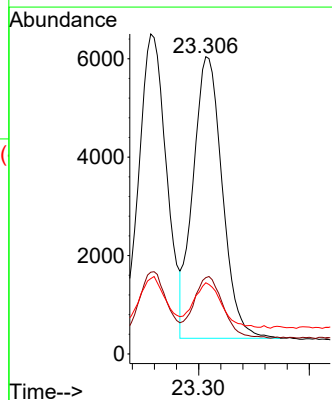
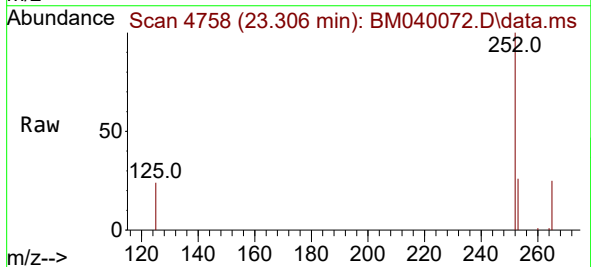
Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

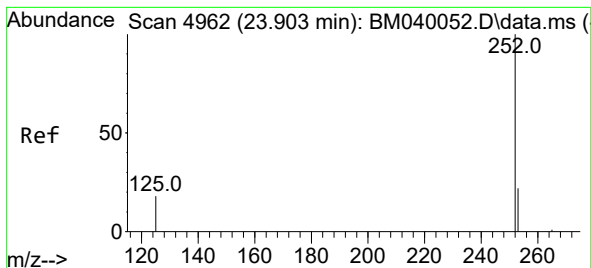
Tgt Ion:252 Resp: 11027
Ion Ratio Lower Upper
252 100
253 25.5 0.0 49.8
125 23.5 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.445 ng/ul
RT: 23.306 min Scan# 4758
Delta R.T. -0.006 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:252 Resp: 10519
Ion Ratio Lower Upper
252 100
253 25.7 19.7 29.5
125 24.0 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.418 ng/ul

RT: 23.897 min Scan# 4962

Delta R.T. -0.006 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

Instrument :

BNA_M

ClientSampleId :

H0FQ2MSD

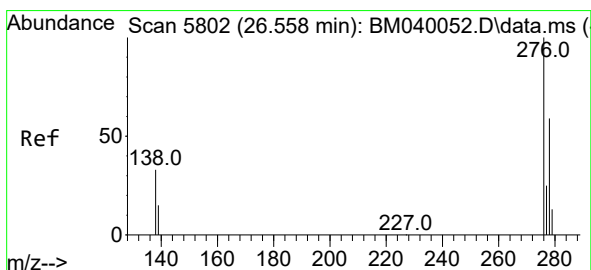
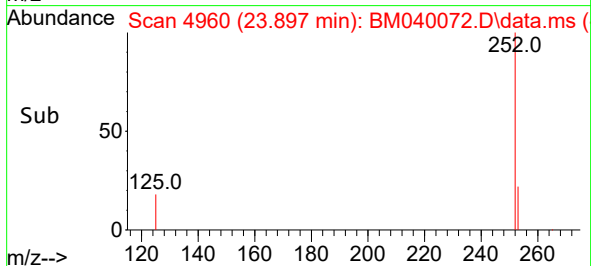
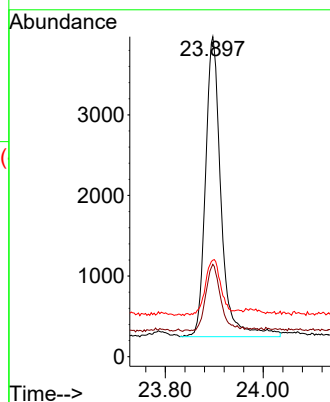
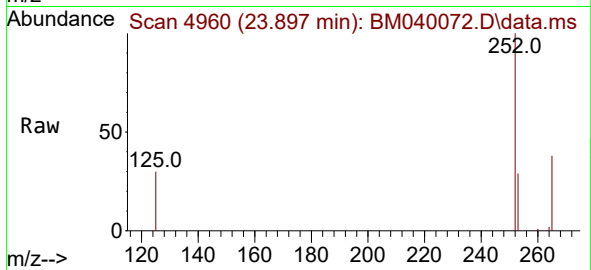
Tgt Ion:252 Resp: 8194

Ion Ratio Lower Upper

252 100

253 28.8 20.6 31.0

125 30.2 19.1 28.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.459 ng/ul

RT: 26.548 min Scan# 5799

Delta R.T. -0.010 min

Lab File: BM040072.D

Acq: 31 May 2023 01:19

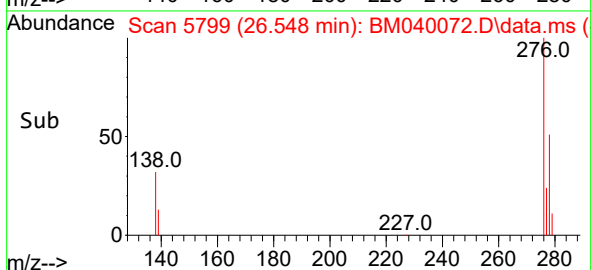
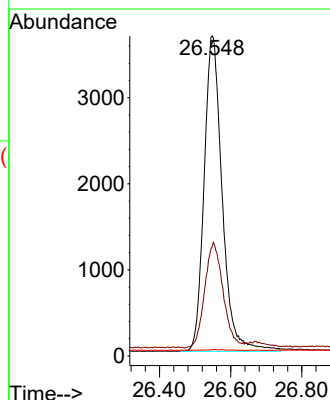
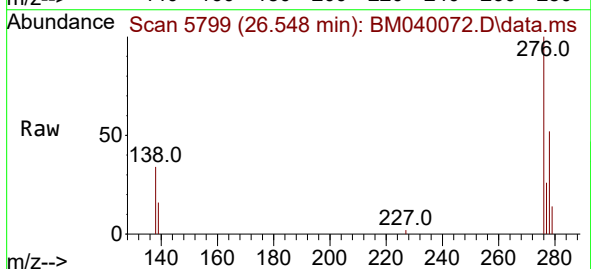
Tgt Ion:276 Resp: 12948

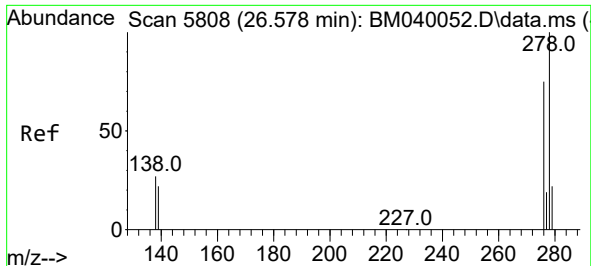
Ion Ratio Lower Upper

276 100

138 34.7 26.9 40.3

227 0.1 0.1 0.1#

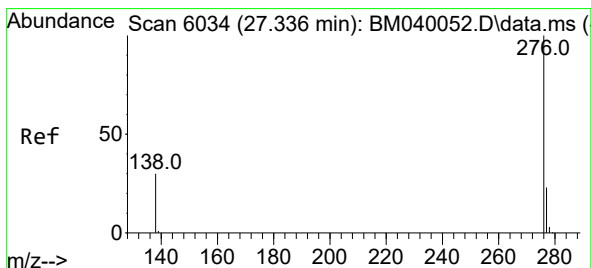
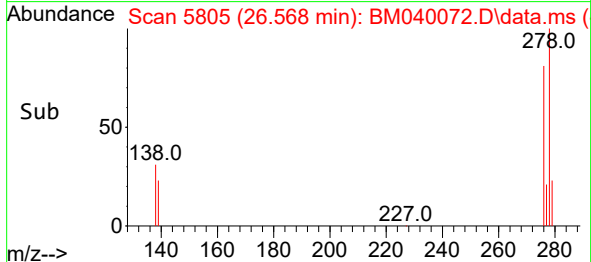
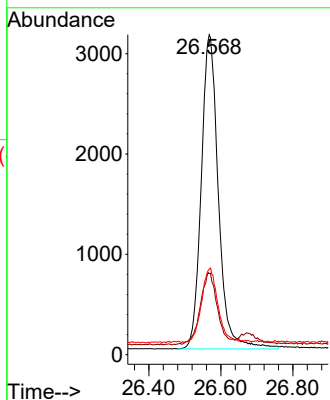
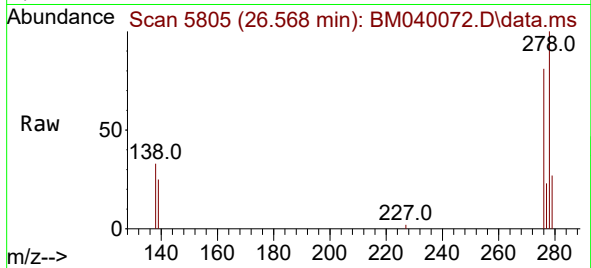




#28
Dibenzo(a,h)anthracene
Concen: 0.453 ng/ul
RT: 26.568 min Scan# 5805
Delta R.T. -0.010 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Instrument :
BNA_M
ClientSampleId :
H0FQ2MSD

Tgt Ion:278 Resp: 10335
Ion Ratio Lower Upper
278 100
139 25.4 19.0 28.4
279 26.7 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.472 ng/ul
RT: 27.329 min Scan# 6032
Delta R.T. -0.007 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:276 Resp: 10936
Ion Ratio Lower Upper
276 100
138 31.7 23.9 35.9
277 25.6 19.5 29.3

