

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040031.D
 Acq On : 26 May 2023 09:17
 Operator : CG/JU
 Sample : 02861-08MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FL1MSD

Quant Time: May 26 11:31:13 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 : Thu May 25 15:01:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

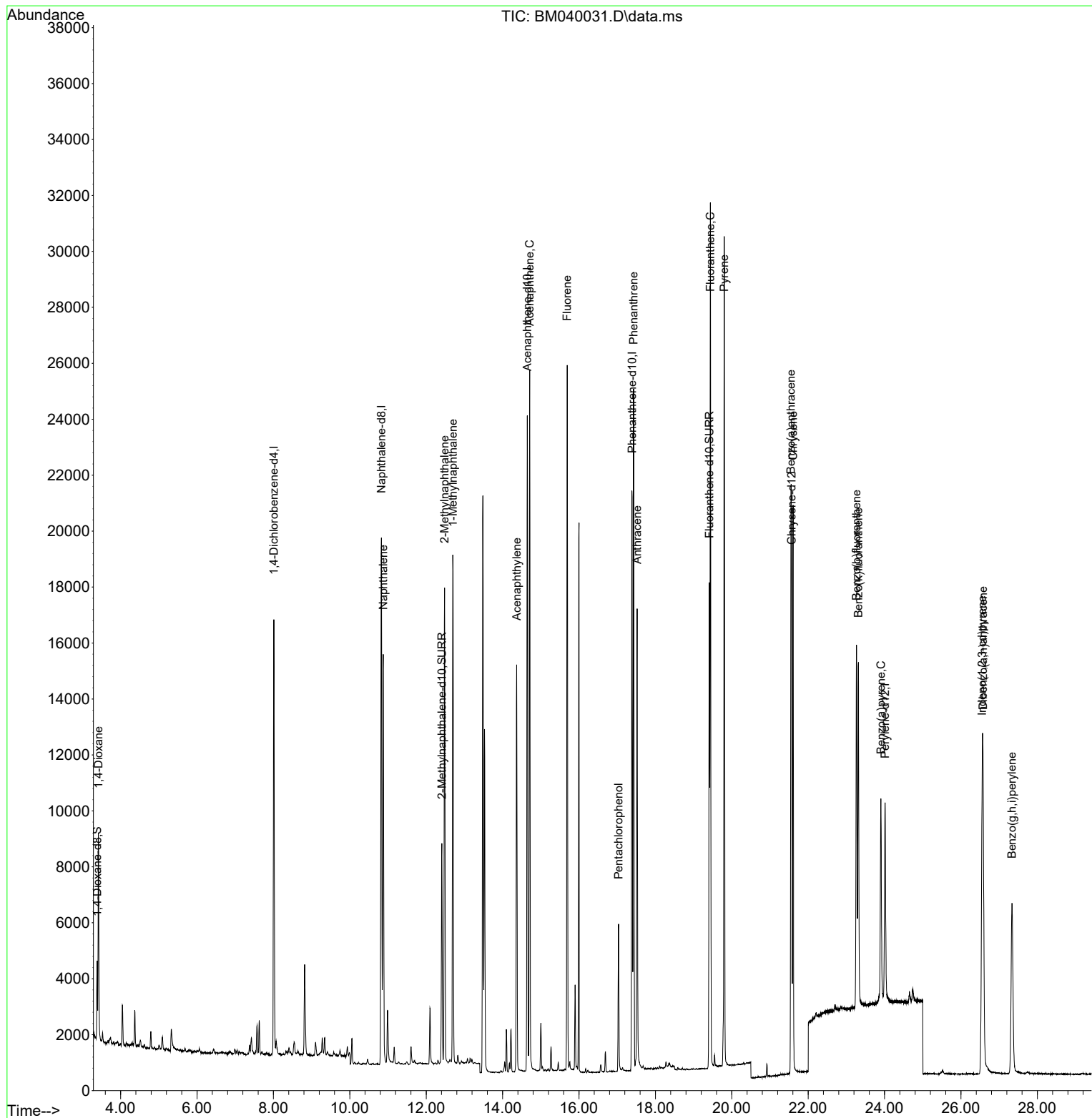
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7860	0.400	ng/ul	0.00
4) Naphthalene-d8	10.826	136	25530	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.645	164	12394	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.390	188	23528	0.400	ng/ul	0.00
17) Chrysene-d12	21.566	240	11752	0.400	ng/ul	0.00
23) Perylene-d12	24.013	264	10257	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	1918	0.210	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.410	152	9965	0.319	ng/ul	0.00
18) Fluoranthene-d10	19.411	212	17007	0.481	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.417	88	4903	0.509	ng/ul	93
5) Naphthalene	10.876	128	19823	0.318	ng/ul	100
7) 2-Methylnaphthalene	12.481	142	11873	0.315	ng/ul	100
8) 1-Methylnaphthalene	12.701	142	12255	0.313	ng/ul	99
10) Acenaphthylene	14.368	152	16286	0.330	ng/ul	99
11) Acenaphthene	14.710	153	13603	0.338	ng/ul	99
12) Fluorene	15.691	166	15043	0.359	ng/ul	99
14) Pentachlorophenol	17.035	266	3493	0.732	ng/ul	98
15) Phenanthrene	17.428	178	24974	0.375	ng/ul	100
16) Anthracene	17.521	178	17694	0.317	ng/ul	99
19) Fluoranthene	19.439	202	24188	0.457	ng/ul	99
20) Pyrene	19.801	202	23463	0.438	ng/ul	99
21) Benzo(a)anthracene	21.548	228	16033	0.405	ng/ul	99
22) Chrysene	21.604	228	17488	0.416	ng/ul	100
24) Benzo(b)fluoranthene	23.264	252	16356	0.402	ng/ul	98
25) Benzo(k)fluoranthene	23.314	252	16175	0.394	ng/ul	99
26) Benzo(a)pyrene	23.904	252	11249	0.330	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.556	276	16976	0.346	ng/ul	100
28) Dibenzo(a,h)anthracene	26.577	278	13794	0.348	ng/ul	100
29) Benzo(g,h,i)perylene	27.335	276	13774	0.343	ng/ul	99

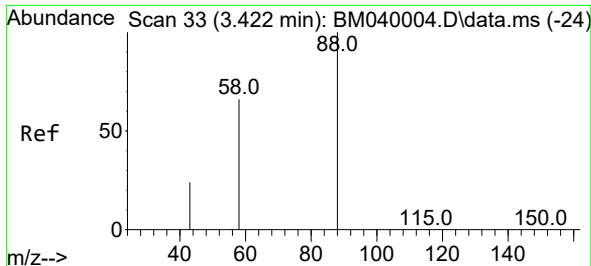
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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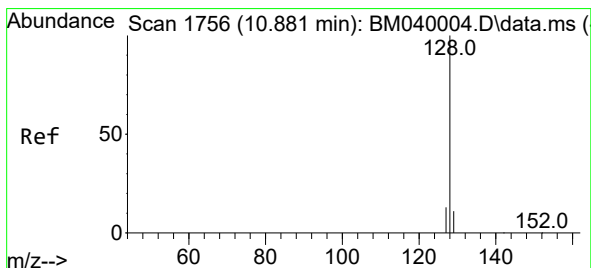
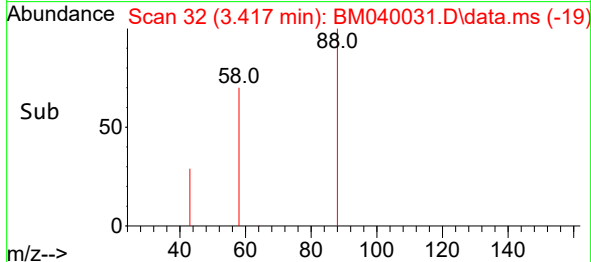
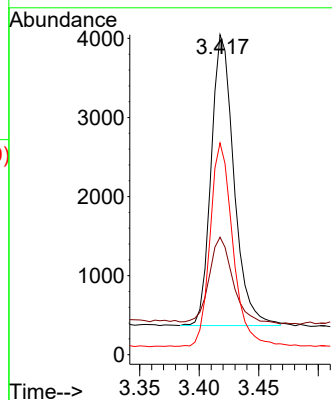
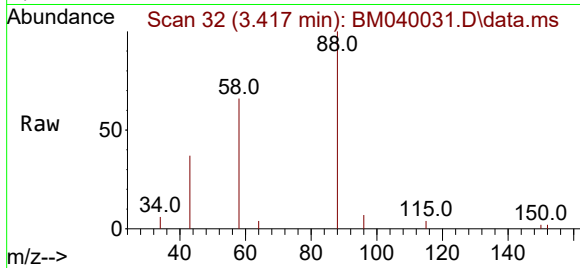




#2
 1,4-Dioxane
 Concen: 0.509 ng/ul
 RT: 3.417 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BM040031.D
 Acq: 26 May 2023 09:17

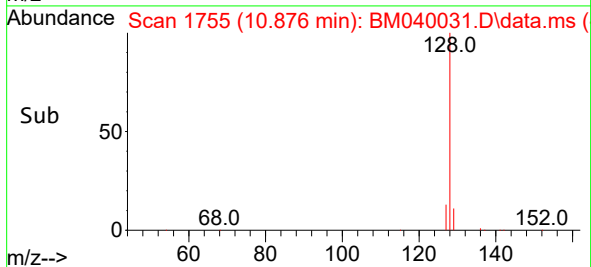
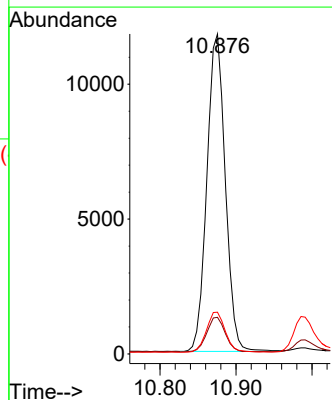
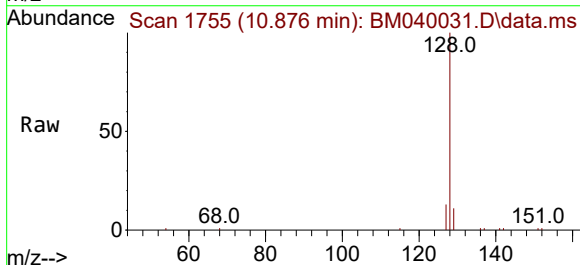
Instrument :
 BNA_M
 ClientSampleId :
 H0FL1MSD

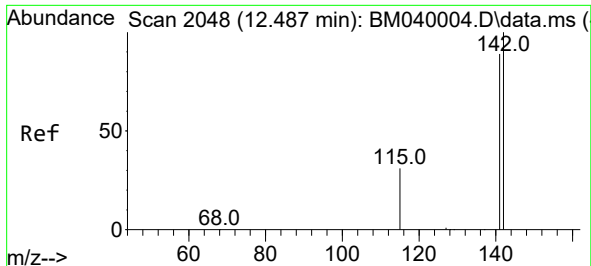
Tgt Ion: 88 Resp: 4903
 Ion Ratio Lower Upper
 88 100
 43 36.7 25.9 38.9
 58 66.1 48.5 72.7



#5
 Naphthalene
 Concen: 0.318 ng/ul
 RT: 10.876 min Scan# 1755
 Delta R.T. -0.001 min
 Lab File: BM040031.D
 Acq: 26 May 2023 09:17

Tgt Ion: 128 Resp: 19823
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.0 13.6
 127 13.0 10.5 15.7

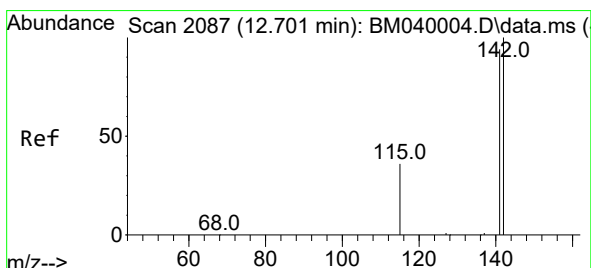
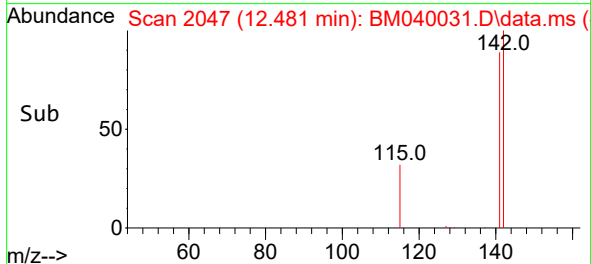
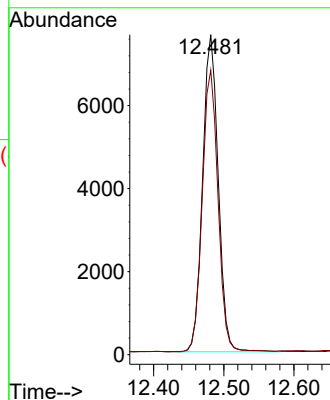
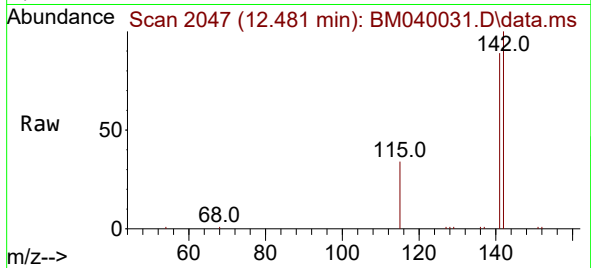




#7
2-Methylnaphthalene
Concen: 0.315 ng/ul
RT: 12.481 min Scan# 2047
Delta R.T. -0.001 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

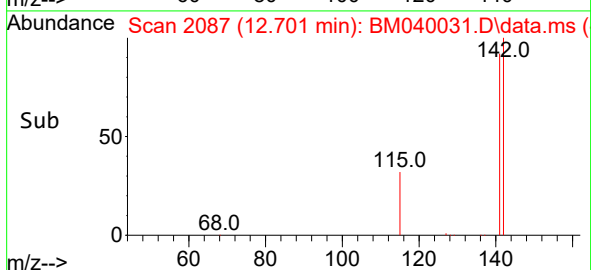
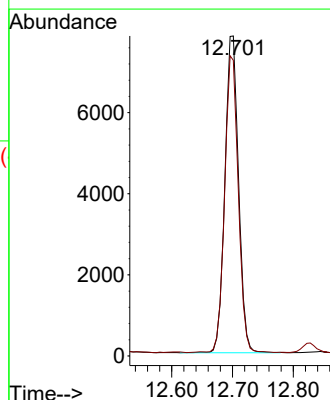
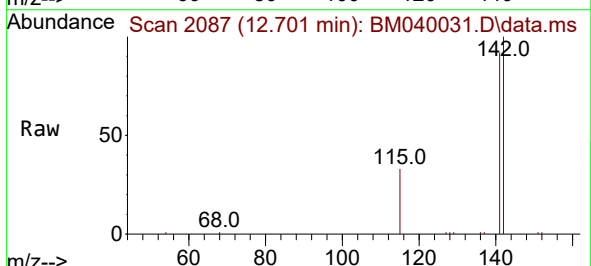
Instrument :
BNA_M
ClientSampleId :
H0FL1MSD

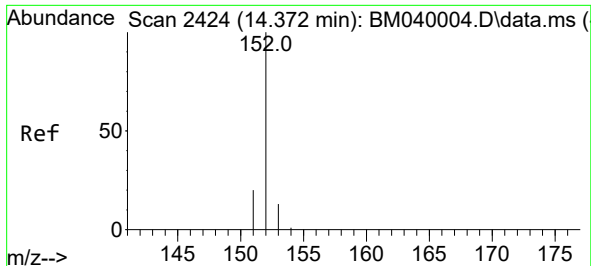
Tgt Ion:142 Resp: 11873
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.313 ng/ul
RT: 12.701 min Scan# 2087
Delta R.T. -0.001 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:142 Resp: 12255
Ion Ratio Lower Upper
142 100
141 93.0 73.8 110.6

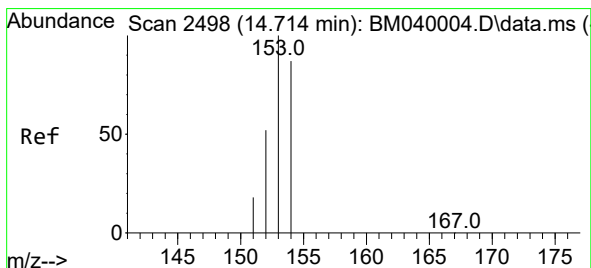
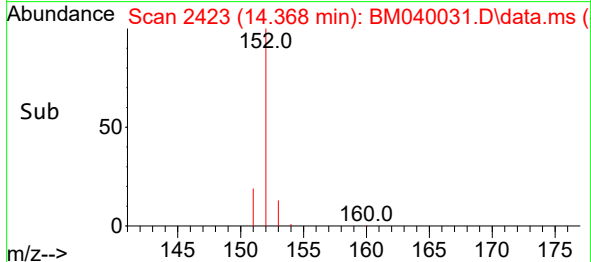
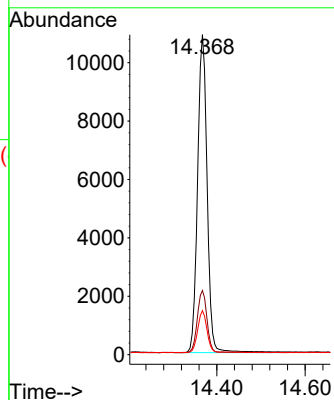
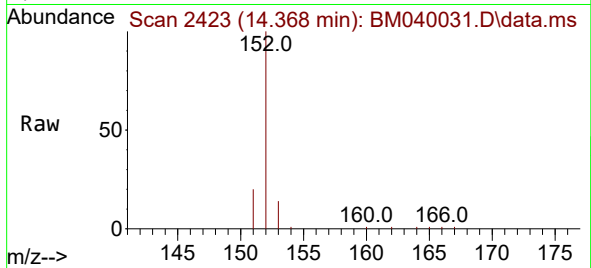




#10
Acenaphthylene
Concen: 0.330 ng/ul
RT: 14.368 min Scan# 2423
Delta R.T. -0.001 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

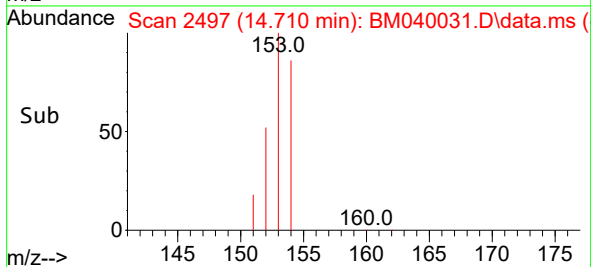
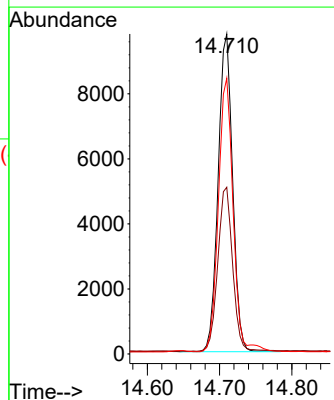
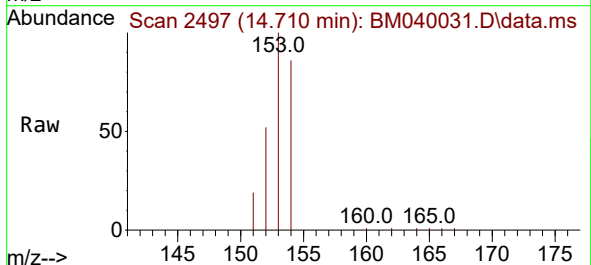
Instrument :
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ClientSampleId :
H0FL1MSD

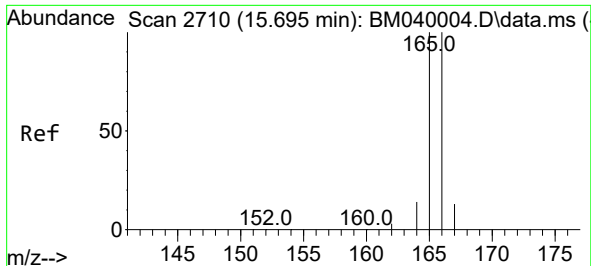
Tgt Ion:152 Resp: 16286
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.8 10.6 16.0



#11
Acenaphthene
Concen: 0.338 ng/ul
RT: 14.710 min Scan# 2497
Delta R.T. -0.001 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:153 Resp: 13603
Ion Ratio Lower Upper
153 100
152 52.1 42.0 63.0
154 86.1 69.4 104.2

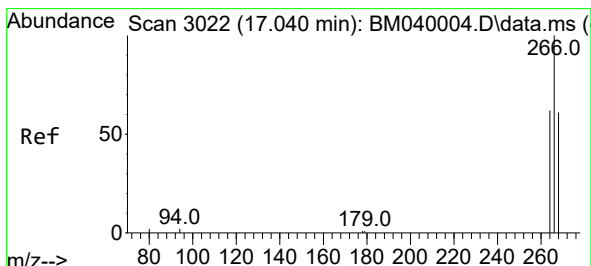
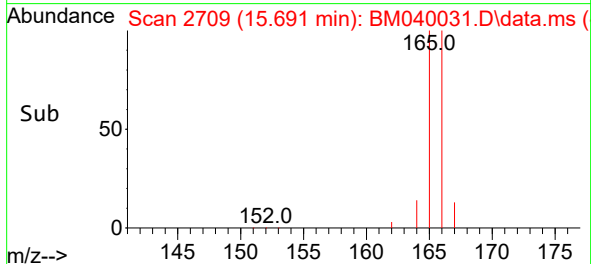
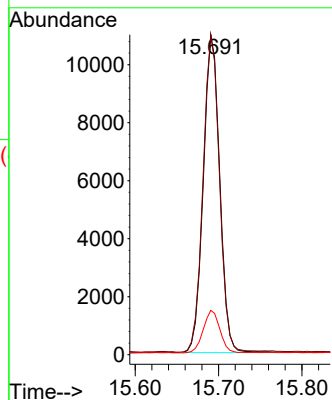
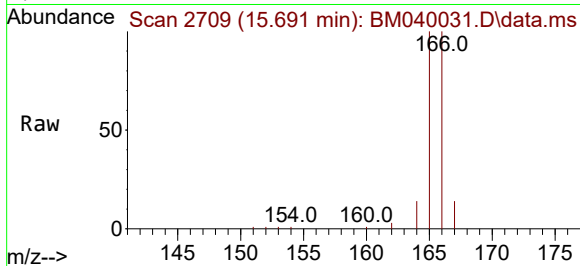




#12
Fluorene
Concen: 0.359 ng/ul
RT: 15.691 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

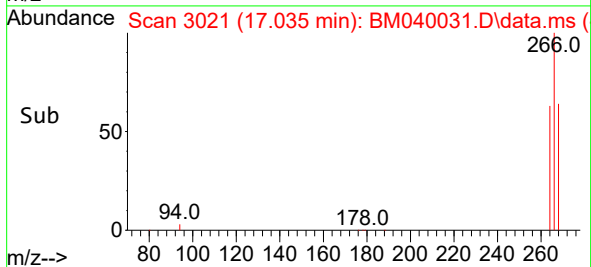
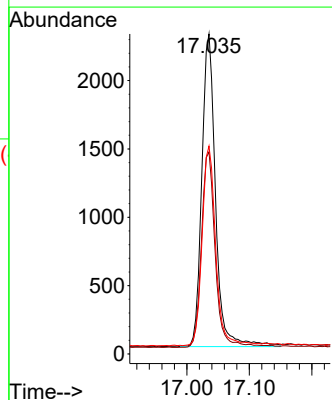
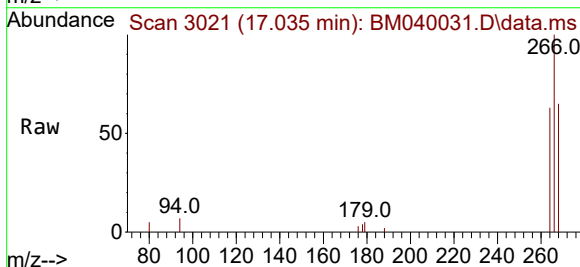
Instrument :
BNA_M
ClientSampleId :
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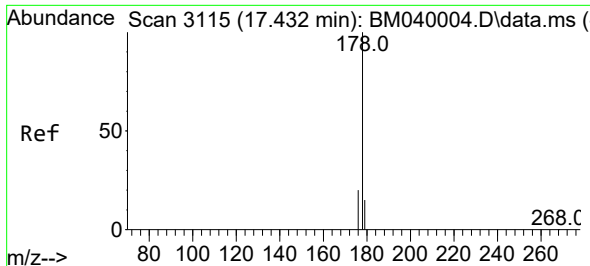
Tgt Ion:166 Resp: 15043
Ion Ratio Lower Upper
166 100
165 99.8 79.3 118.9
167 13.8 10.8 16.2



#14
Pentachlorophenol
Concen: 0.732 ng/ul
RT: 17.035 min Scan# 3021
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:266 Resp: 3493
Ion Ratio Lower Upper
266 100
264 63.0 49.2 73.8
268 63.2 51.9 77.9

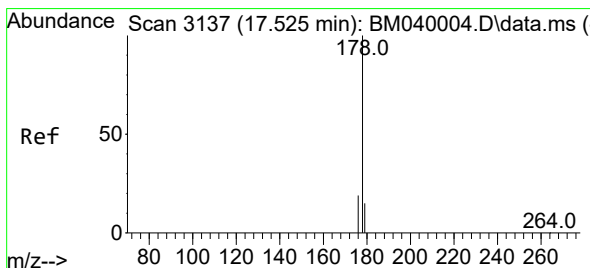
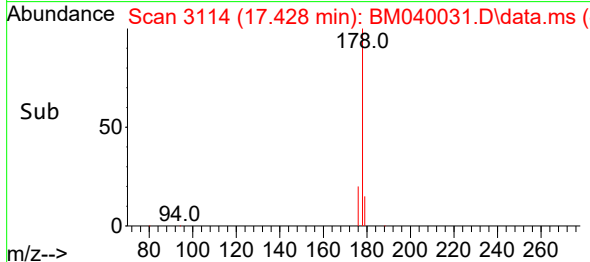
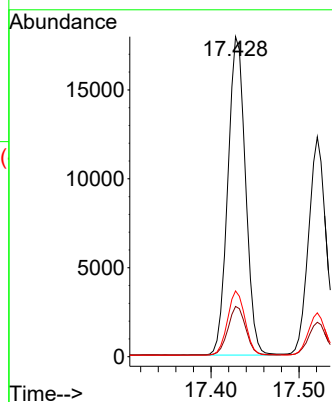
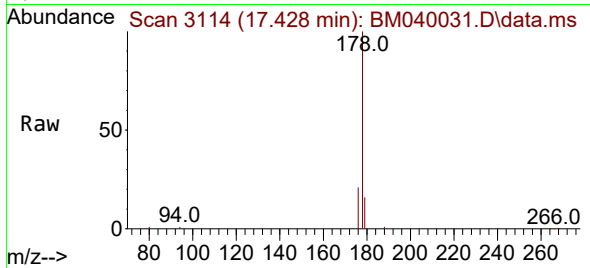




#15
Phenanthrene
Concen: 0.375 ng/ul
RT: 17.428 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

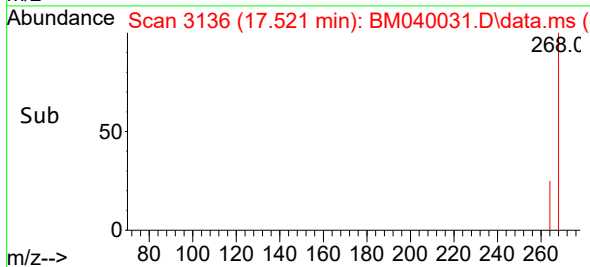
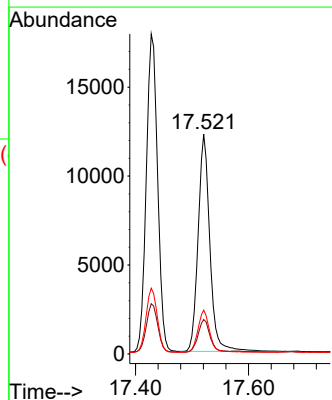
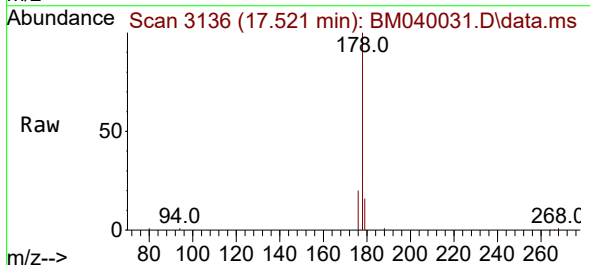
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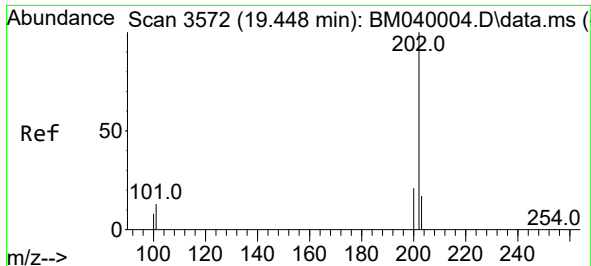
Tgt Ion:178 Resp: 24974
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 20.6 16.3 24.5



#16
Anthracene
Concen: 0.317 ng/ul
RT: 17.521 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:178 Resp: 17694
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.9 15.5 23.3

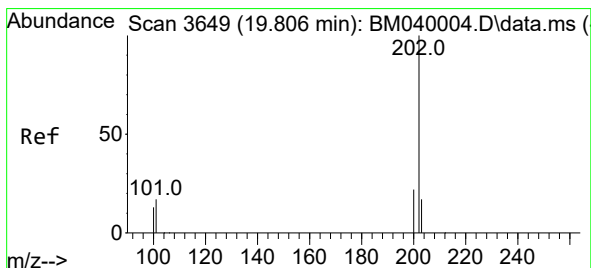
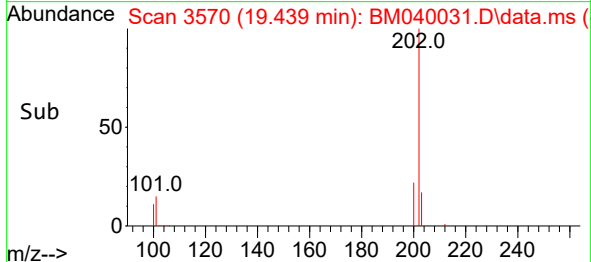
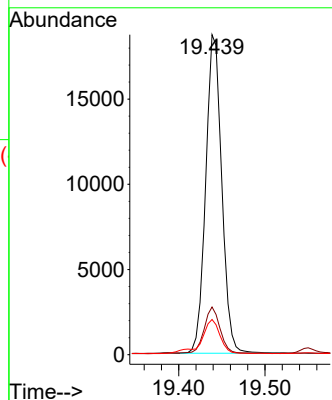
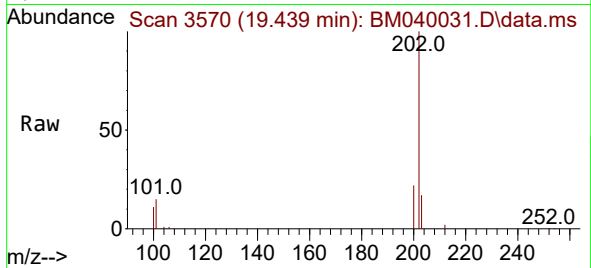




#19
Fluoranthene
Concen: 0.457 ng/ul
RT: 19.439 min Scan# 3570
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

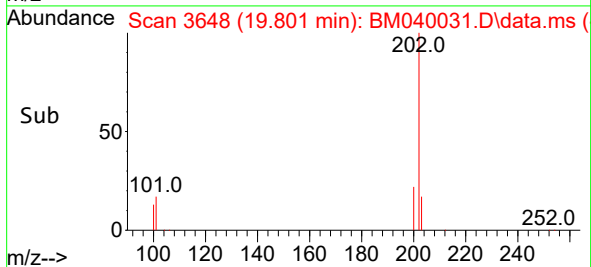
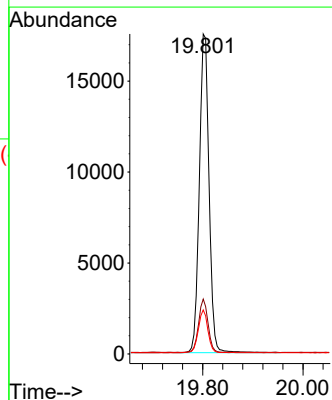
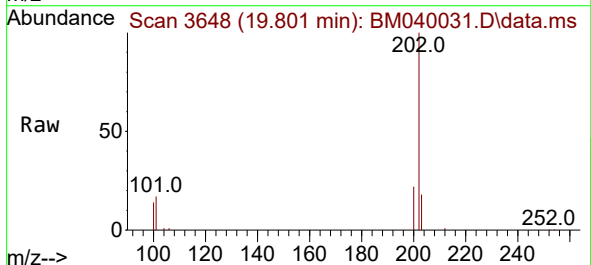
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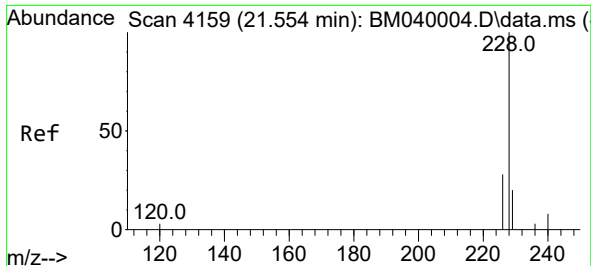
Tgt Ion:202 Resp: 24188
Ion Ratio Lower Upper
202 100
101 14.9 11.5 17.3
100 11.0 8.5 12.7



#20
Pyrene
Concen: 0.438 ng/ul
RT: 19.801 min Scan# 3648
Delta R.T. -0.006 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:202 Resp: 23463
Ion Ratio Lower Upper
202 100
101 17.2 13.3 19.9
100 13.8 10.9 16.3

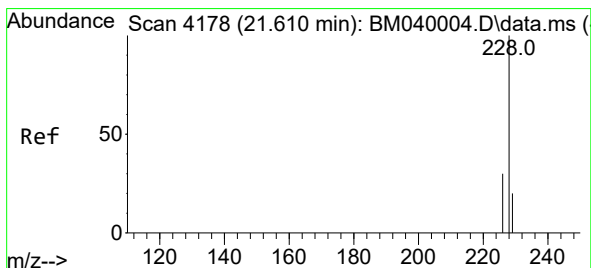
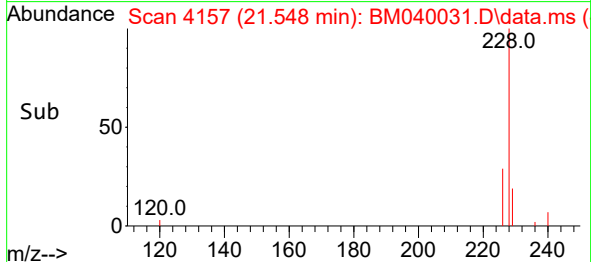
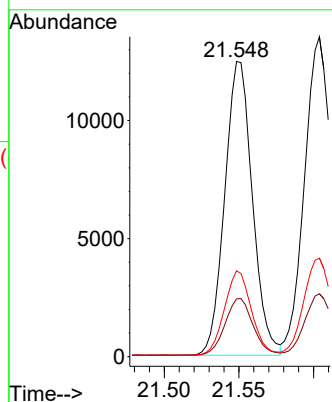
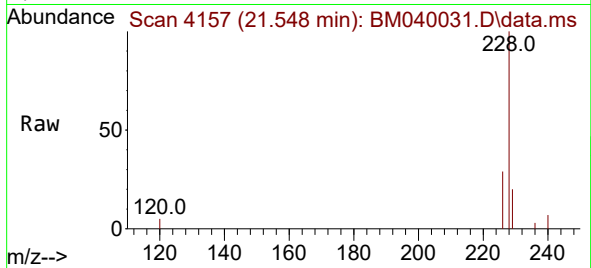




#21
Benzo(a)anthracene
Concen: 0.405 ng/ul
RT: 21.548 min Scan# 4157
Delta R.T. -0.007 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

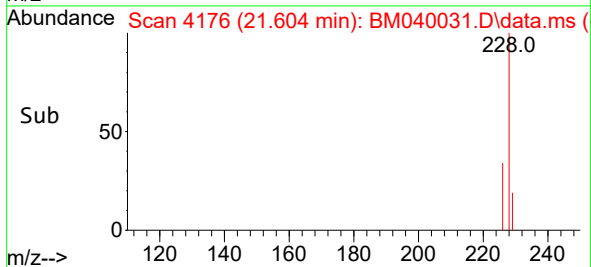
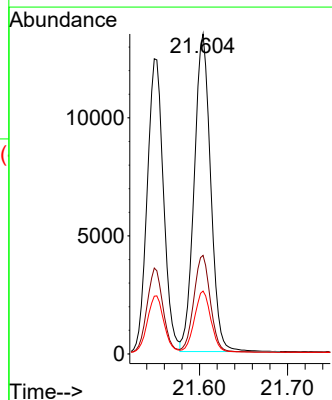
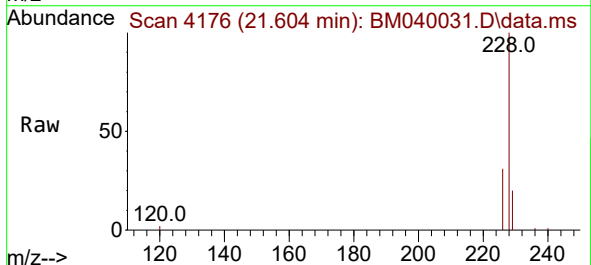
Instrument :
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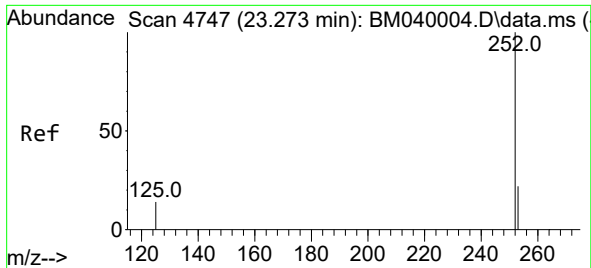
Tgt Ion:228 Resp: 16033
Ion Ratio Lower Upper
228 100
229 19.6 15.6 23.4
226 29.1 22.5 33.7



#22
Chrysene
Concen: 0.416 ng/ul
RT: 21.604 min Scan# 4176
Delta R.T. -0.007 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:228 Resp: 17488
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 19.7 15.6 23.4

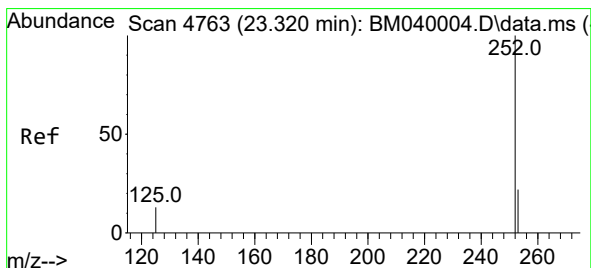
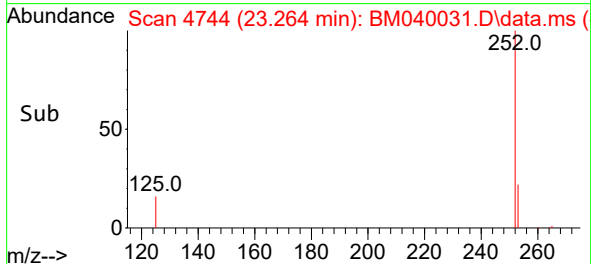
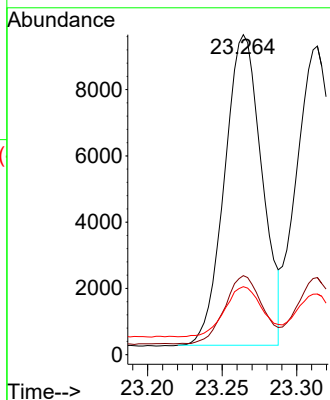
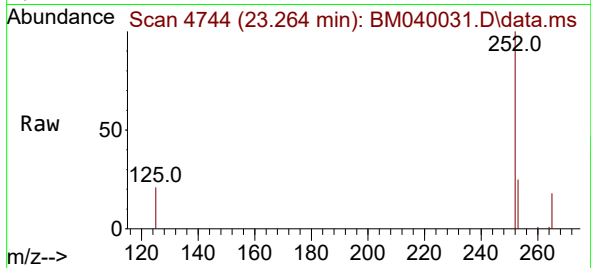




#24
Benzo(b)fluoranthene
Concen: 0.402 ng/ul
RT: 23.264 min Scan# 4744
Delta R.T. -0.010 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

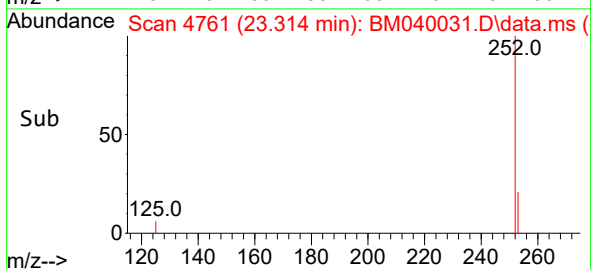
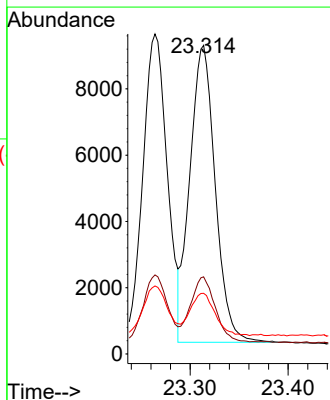
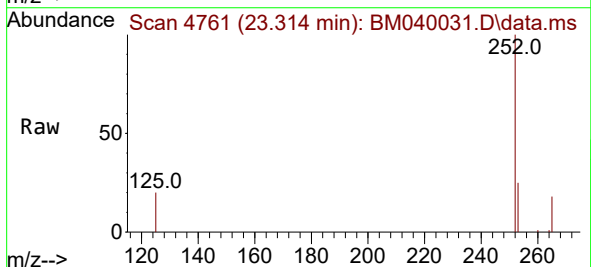
Instrument :
BNA_M
ClientSampleId :
H0FL1MSD

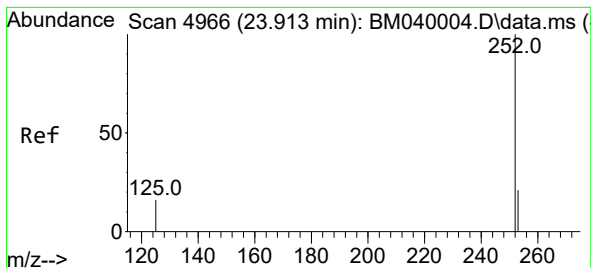
Tgt Ion:252 Resp: 16356
Ion Ratio Lower Upper
252 100
253 24.7 0.0 49.8
125 21.2 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.394 ng/ul
RT: 23.314 min Scan# 4761
Delta R.T. -0.010 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:252 Resp: 16175
Ion Ratio Lower Upper
252 100
253 25.0 19.7 29.5
125 19.7 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.330 ng/ul

RT: 23.904 min Scan# 4966

Delta R.T. -0.010 min

Lab File: BM040031.D

Acq: 26 May 2023 09:17

Instrument :

BNA_M

ClientSampleId :

H0FL1MSD

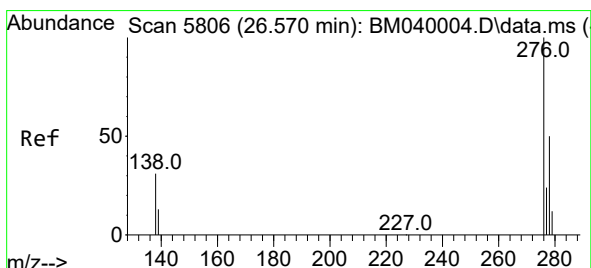
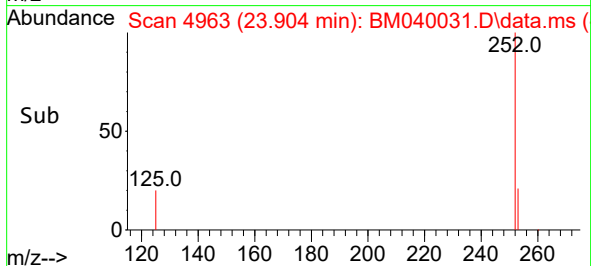
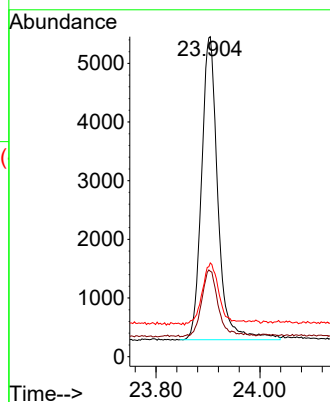
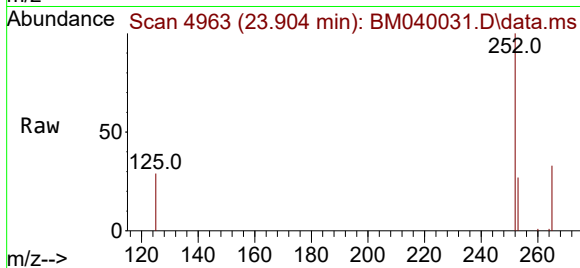
Tgt Ion:252 Resp: 11249

Ion Ratio Lower Upper

252 100

253 26.7 20.6 31.0

125 29.3 19.1 28.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.346 ng/ul

RT: 26.556 min Scan# 5802

Delta R.T. -0.015 min

Lab File: BM040031.D

Acq: 26 May 2023 09:17

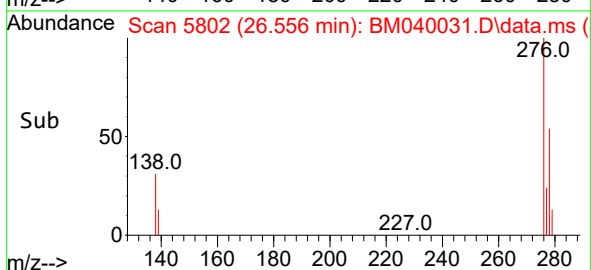
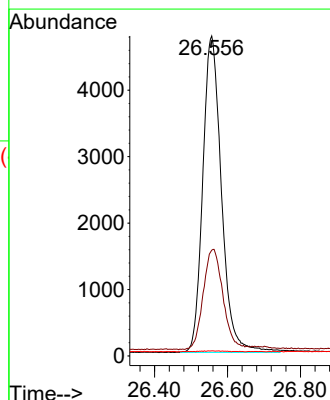
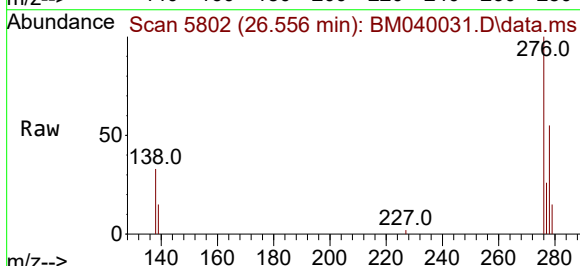
Tgt Ion:276 Resp: 16976

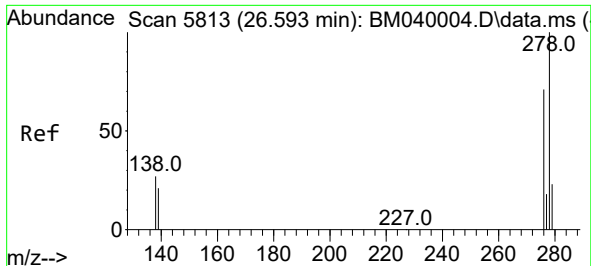
Ion Ratio Lower Upper

276 100

138 33.5 26.9 40.3

227 0.1 0.1 0.1

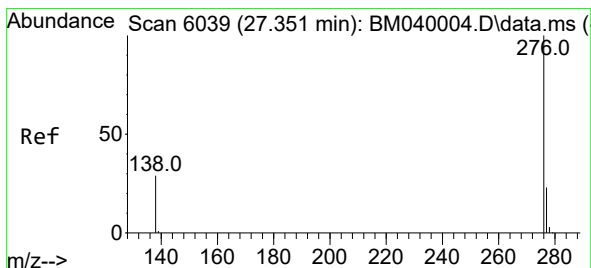
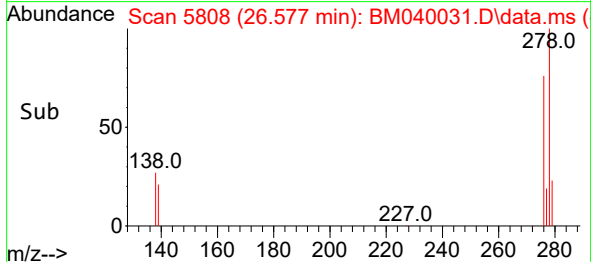
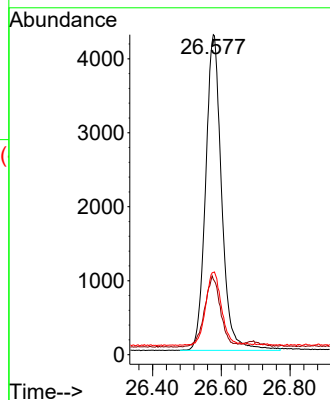
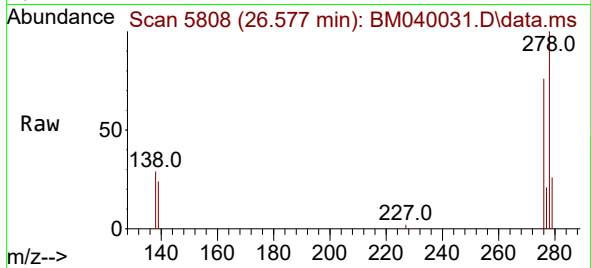




#28
Dibenzo(a,h)anthracene
Concen: 0.348 ng/ul
RT: 26.577 min Scan# 5808
Delta R.T. -0.018 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Instrument :
BNA_M
ClientSampleId :
H0FL1MSD

Tgt Ion:278 Resp: 13794
Ion Ratio Lower Upper
278 100
139 23.5 19.0 28.4
279 25.7 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.343 ng/ul
RT: 27.335 min Scan# 6034
Delta R.T. -0.022 min
Lab File: BM040031.D
Acq: 26 May 2023 09:17

Tgt Ion:276 Resp: 13774
Ion Ratio Lower Upper
276 100
138 30.4 23.9 35.9
277 25.1 19.5 29.3

