

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040038.D
 Acq On : 26 May 2023 15:59
 Operator : CG/JU
 Sample : 02851-02MS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FJ2MS

Quant Time: May 26 19:00:25 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

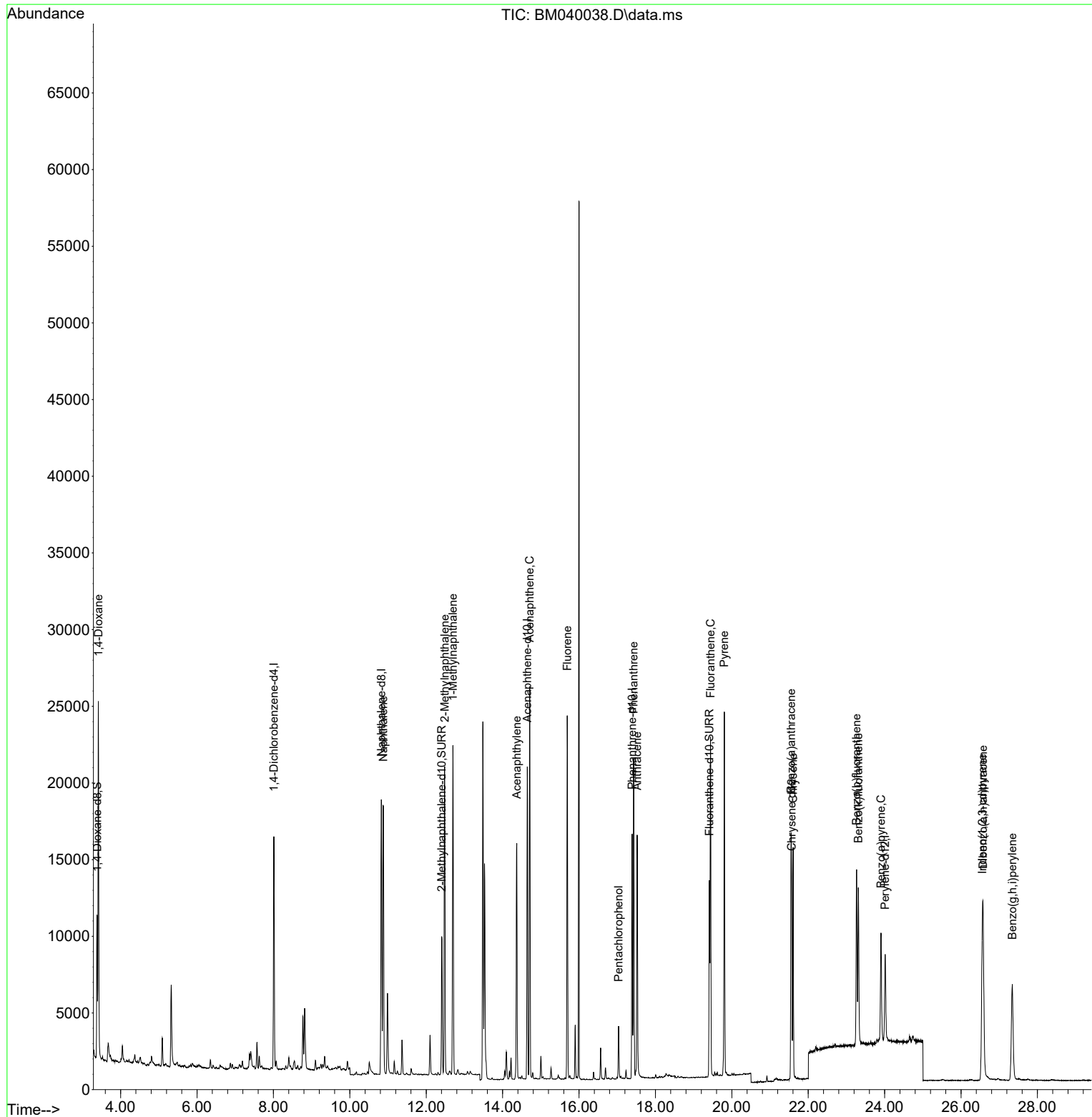
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7535	0.400	ng/ul	0.00
4) Naphthalene-d8	10.827	136	24517	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.646	164	10593	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.391	188	18031	0.400	ng/ul	0.00
17) Chrysene-d12	21.567	240	8303	0.400	ng/ul	0.00
23) Perylene-d12	24.014	264	8310	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	5841	0.666	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	11527	0.385	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	12493	0.500	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.417	88	15037	1.629	ng/ul	93
5) Naphthalene	10.877	128	24302	0.406	ng/ul	99
7) 2-Methylnaphthalene	12.483	142	14044	0.388	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	14396	0.383	ng/ul	99
10) Acenaphthylene	14.369	152	17148	0.406	ng/ul	99
11) Acenaphthene	14.711	153	14254	0.415	ng/ul	99
12) Fluorene	15.692	166	14249	0.398	ng/ul	100
14) Pentachlorophenol	17.037	266	2251	0.616	ng/ul	99
15) Phenanthrene	17.429	178	21088	0.413	ng/ul	100
16) Anthracene	17.522	178	17399	0.406	ng/ul	99
19) Fluoranthene	19.444	202	18334	0.491	ng/ul	98
20) Pyrene	19.802	202	18537	0.490	ng/ul	99
21) Benzo(a)anthracene	21.550	228	12615	0.451	ng/ul	99
22) Chrysene	21.602	228	13197	0.444	ng/ul	98
24) Benzo(b)fluoranthene	23.265	252	14255	0.432	ng/ul	96
25) Benzo(k)fluoranthene	23.312	252	13511	0.406	ng/ul	96
26) Benzo(a)pyrene	23.903	252	11508	0.417	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.558	276	16295	0.410	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.578	278	12836	0.400	ng/ul	100
29) Benzo(g,h,i)perylene	27.343	276	13836	0.425	ng/ul	99

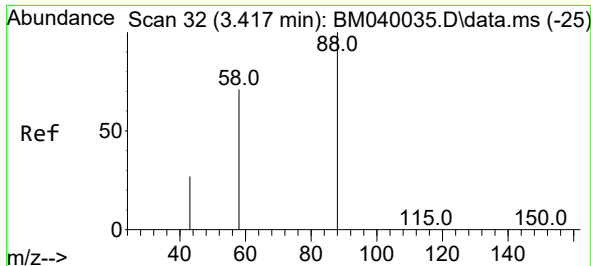
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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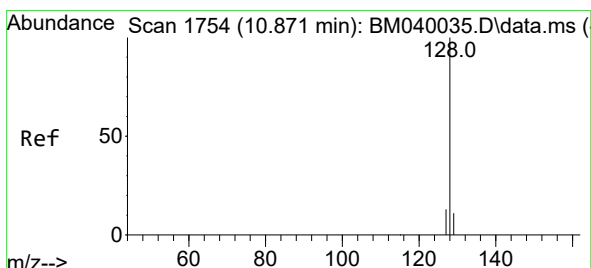
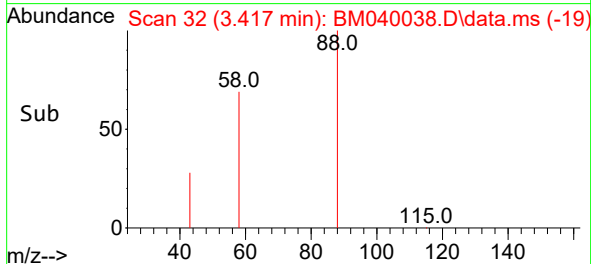
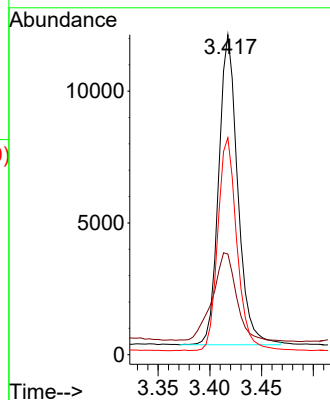
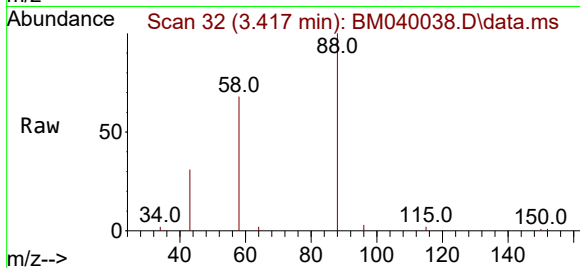




#2
 1,4-Dioxane
 Concen: 1.629 ng/ul
 RT: 3.417 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BM040038.D
 Acq: 26 May 2023 15:59

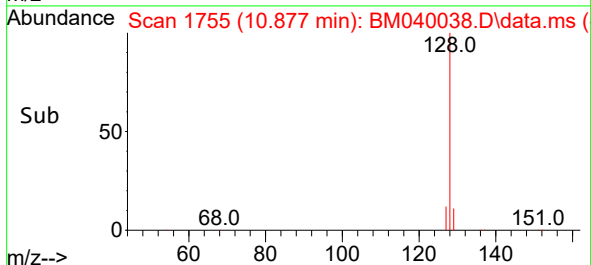
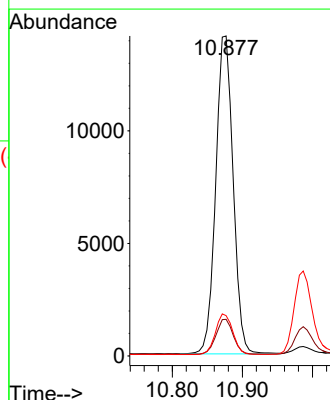
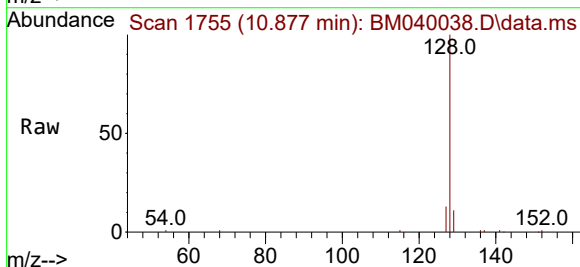
Instrument :
 BNA_M
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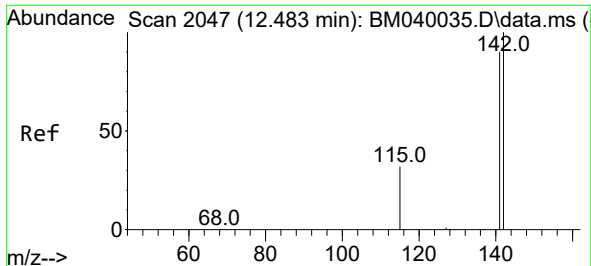
Tgt Ion: 88 Resp: 15037
 Ion Ratio Lower Upper
 88 100
 43 31.4 25.9 38.9
 58 67.8 48.5 72.7



#5
 Naphthalene
 Concen: 0.406 ng/ul
 RT: 10.877 min Scan# 1755
 Delta R.T. -0.000 min
 Lab File: BM040038.D
 Acq: 26 May 2023 15:59

Tgt Ion: 128 Resp: 24302
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.0 13.6
 127 12.6 10.5 15.7

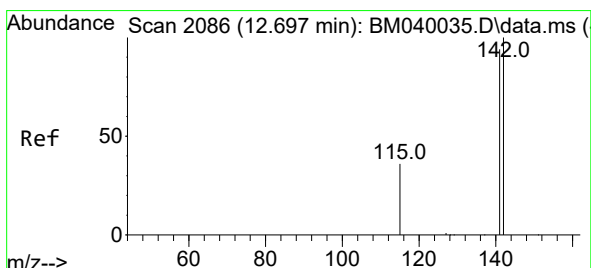
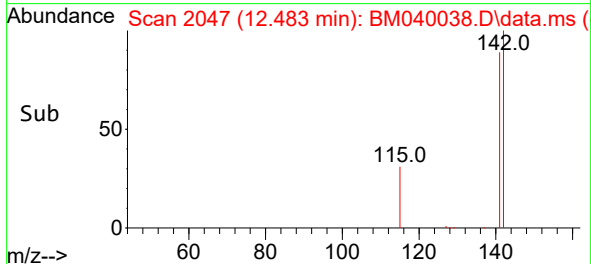
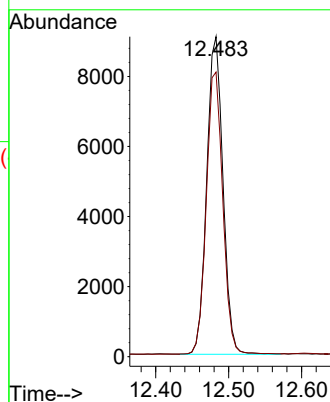
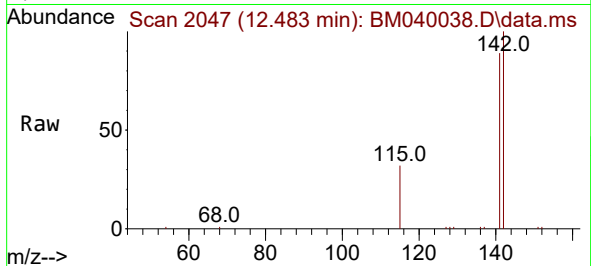




#7
2-Methylnaphthalene
Concen: 0.388 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

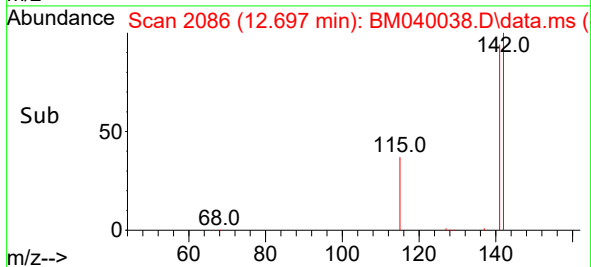
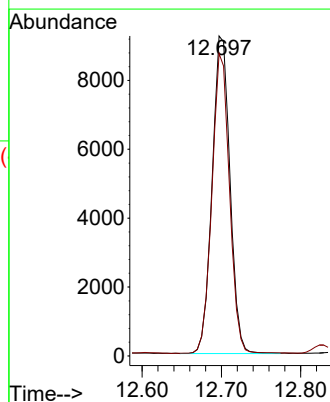
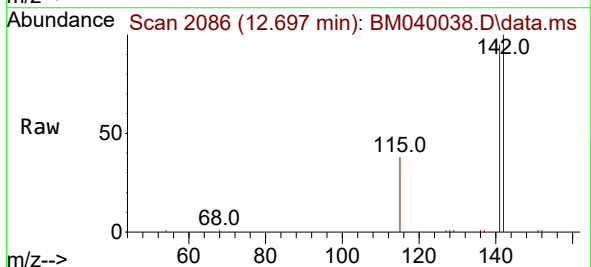
Instrument :
BNA_M
ClientSampleId :
H0FJ2MS

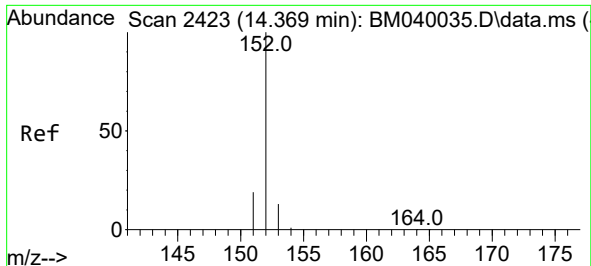
Tgt Ion:142 Resp: 14044
Ion Ratio Lower Upper
142 100
141 90.4 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.383 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:142 Resp: 14396
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.6

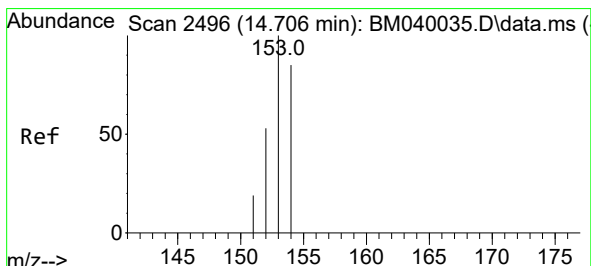
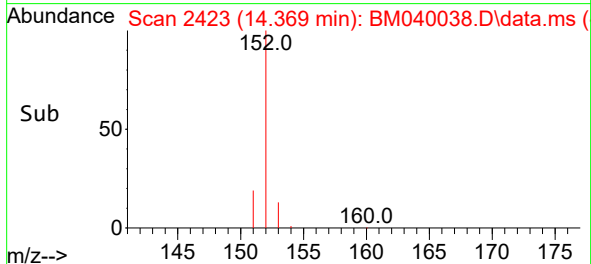
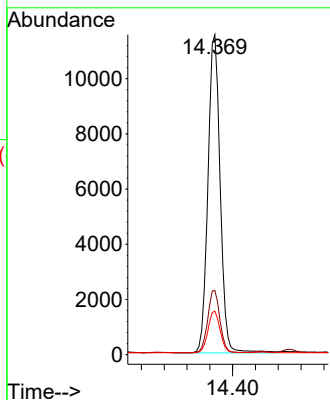
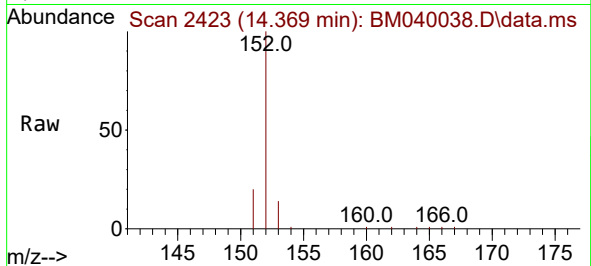




#10
Acenaphthylene
Concen: 0.406 ng/ul
RT: 14.369 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

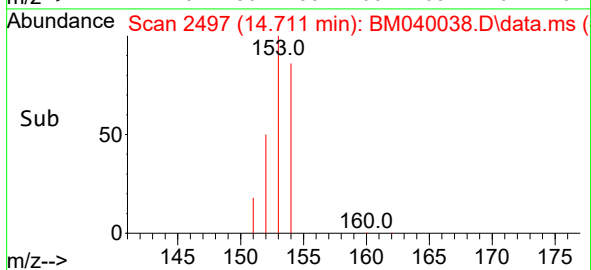
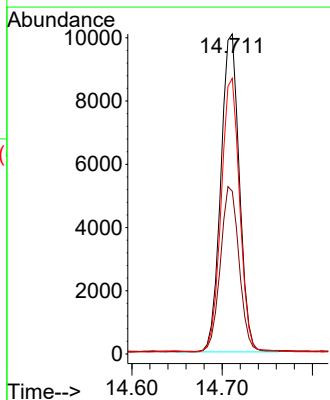
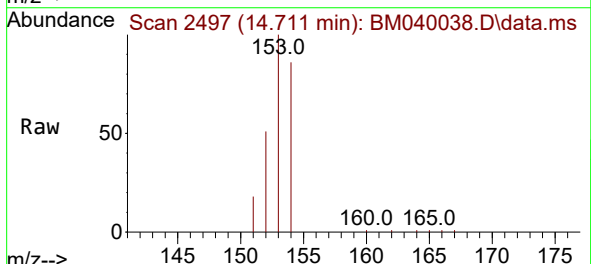
Instrument :
BNA_M
ClientSampleId :
H0FJ2MS

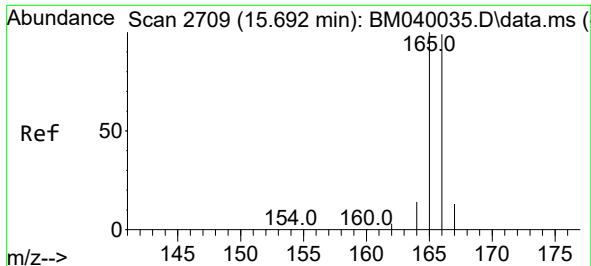
Tgt Ion:	152	Resp:	17148
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.2	24.4
153	13.6	10.6	16.0



#11
Acenaphthene
Concen: 0.415 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. -0.000 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:	153	Resp:	14254
Ion Ratio	Lower	Upper	
153	100		
152	50.9	42.0	63.0
154	86.2	69.4	104.2

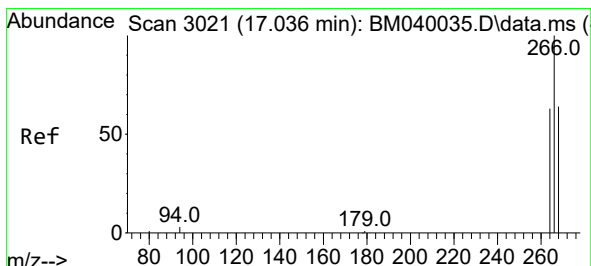
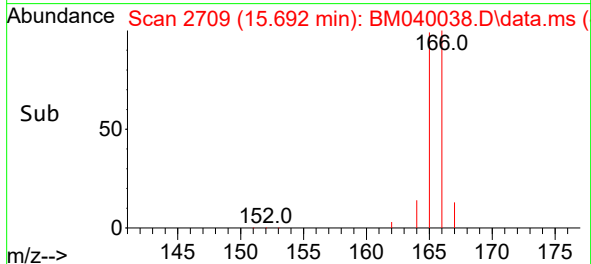
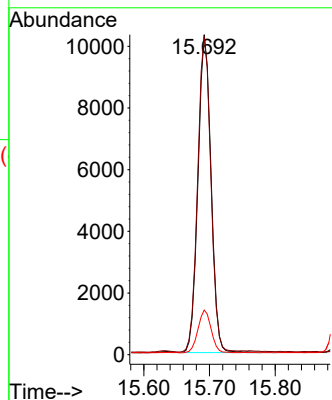
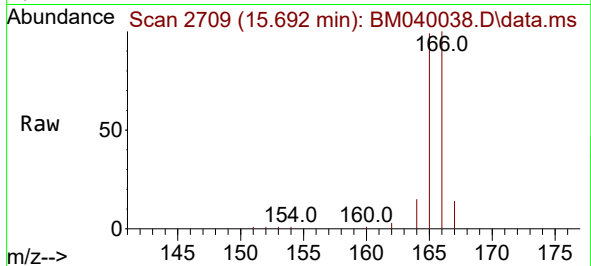




#12
Fluorene
Concen: 0.398 ng/ul
RT: 15.692 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

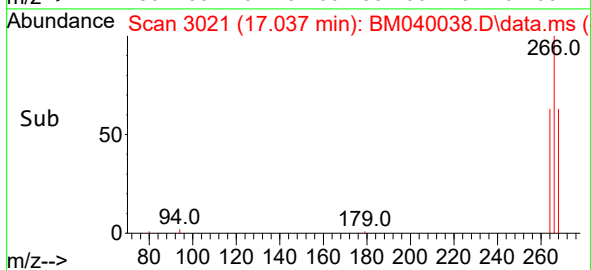
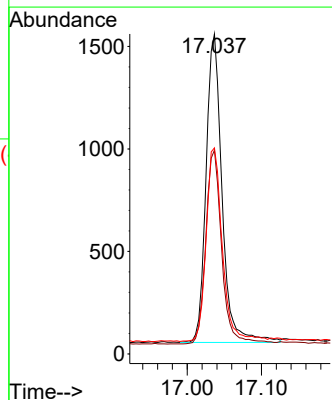
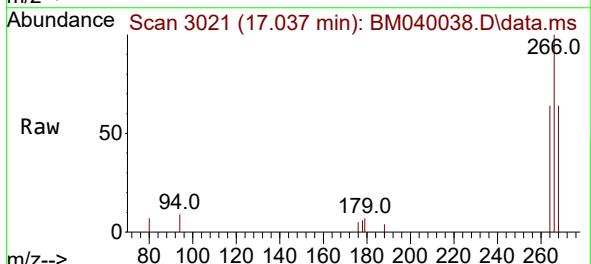
Instrument :
BNA_M
ClientSampleId :
H0FJ2MS

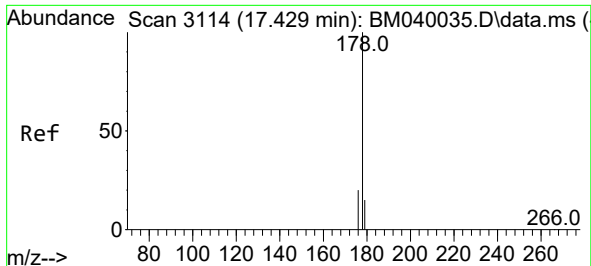
Tgt Ion:166 Resp: 14249
Ion Ratio Lower Upper
166 100
165 99.4 79.3 118.9
167 13.9 10.8 16.2



#14
Pentachlorophenol
Concen: 0.616 ng/ul
RT: 17.037 min Scan# 3021
Delta R.T. -0.004 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:266 Resp: 2251
Ion Ratio Lower Upper
266 100
264 62.5 49.2 73.8
268 63.7 51.9 77.9

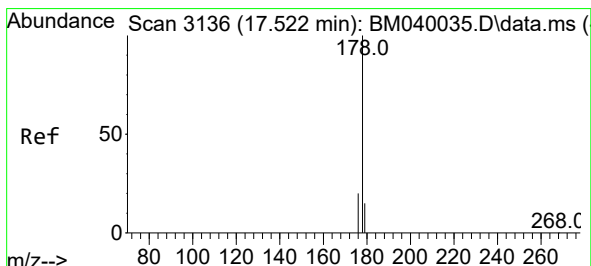
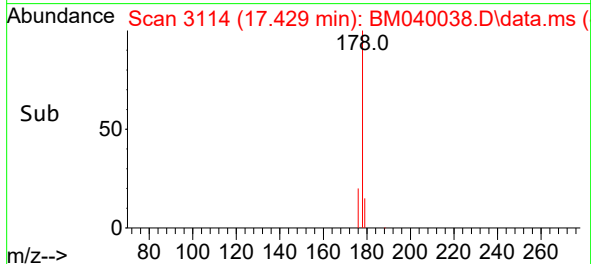
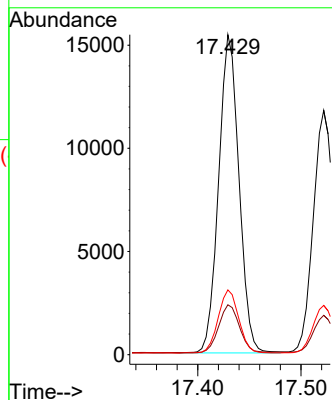
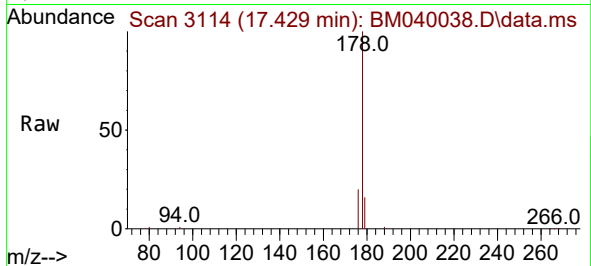




#15
Phenanthrene
Concen: 0.413 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. -0.004 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

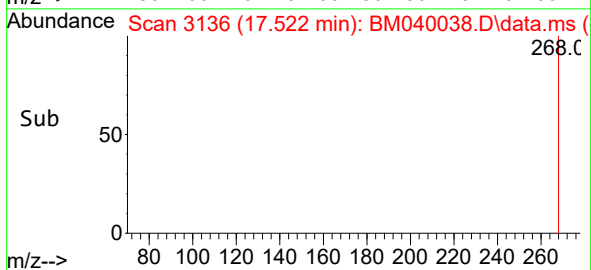
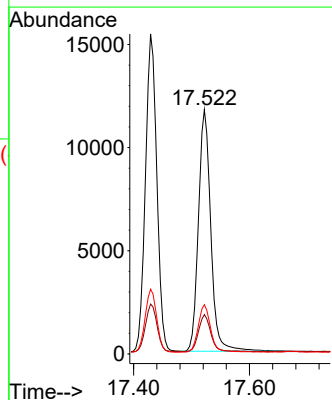
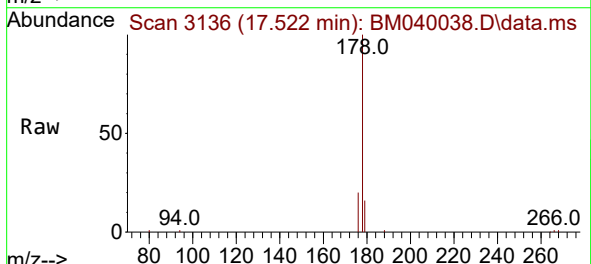
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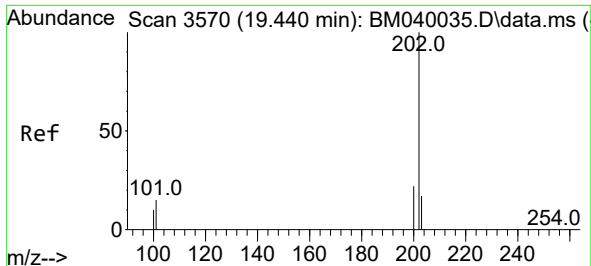
Tgt Ion:178 Resp: 21088
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 20.2 16.3 24.5



#16
Anthracene
Concen: 0.406 ng/ul
RT: 17.522 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:178 Resp: 17399
Ion Ratio Lower Upper
178 100
179 16.1 12.6 19.0
176 20.2 15.5 23.3

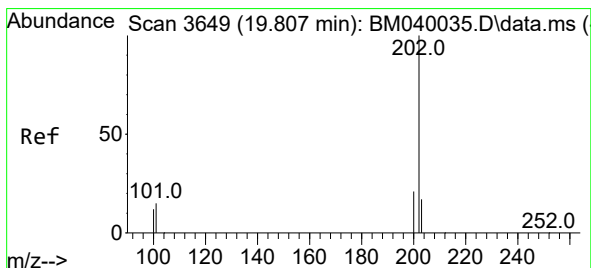
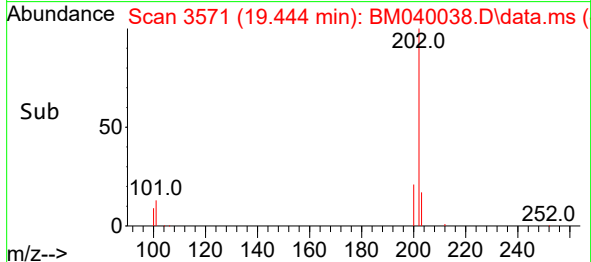
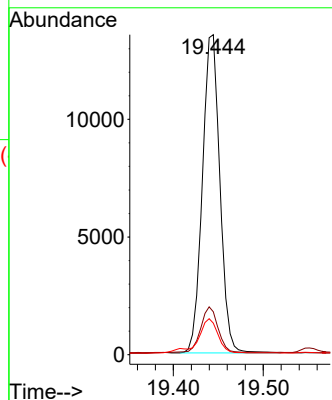
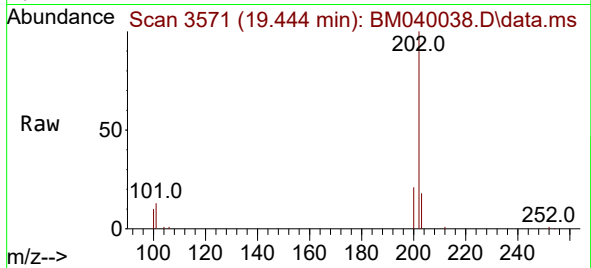




#19
Fluoranthene
Concen: 0.491 ng/ul
RT: 19.444 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

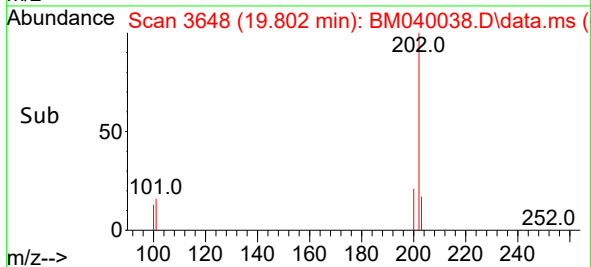
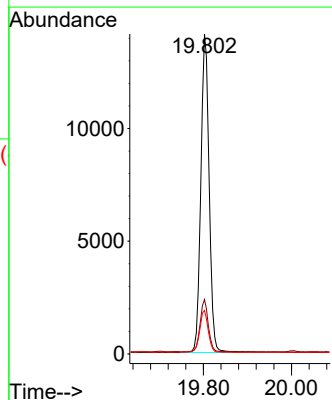
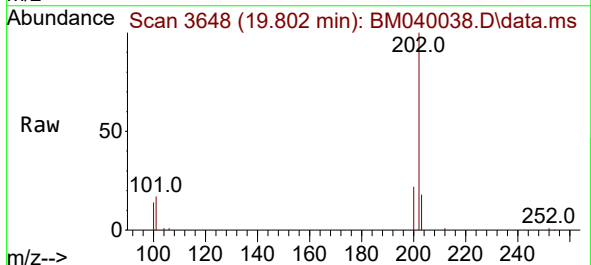
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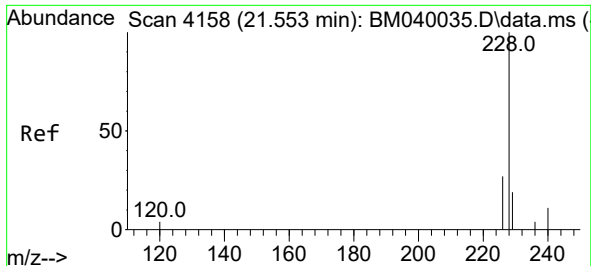
Tgt Ion:202 Resp: 18334
Ion Ratio Lower Upper
202 100
101 13.4 11.5 17.3
100 9.9 8.5 12.7



#20
Pyrene
Concen: 0.490 ng/ul
RT: 19.802 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:202 Resp: 18537
Ion Ratio Lower Upper
202 100
101 17.0 13.3 19.9
100 13.6 10.9 16.3

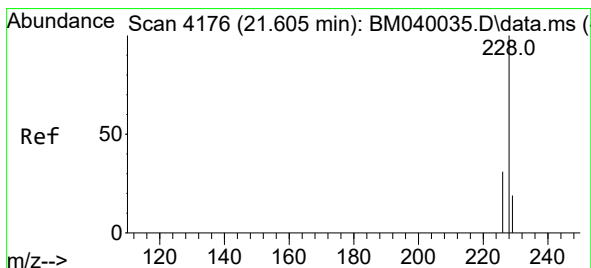
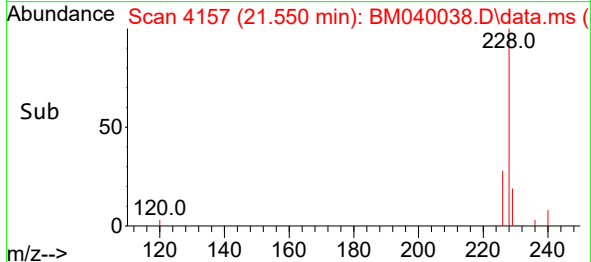
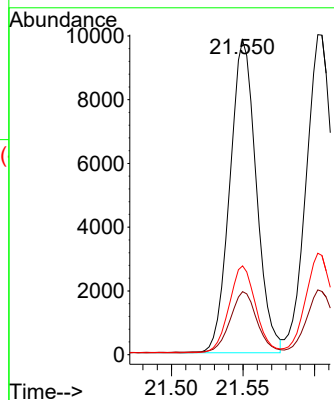
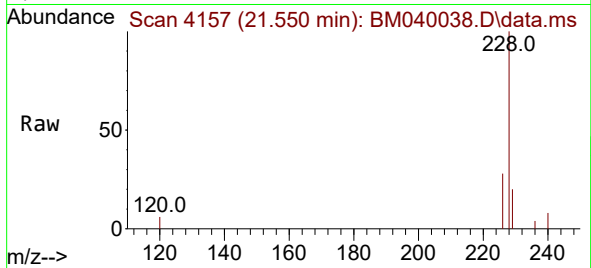




#21
Benzo(a)anthracene
Concen: 0.451 ng/ul
RT: 21.550 min Scan# 4158
Delta R.T. -0.006 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

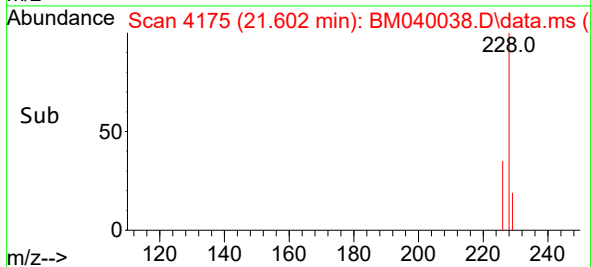
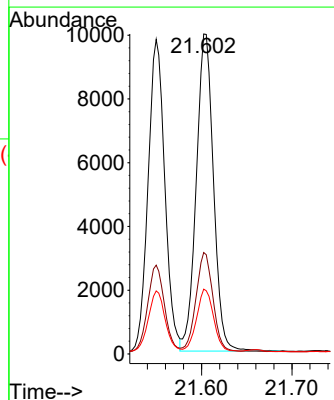
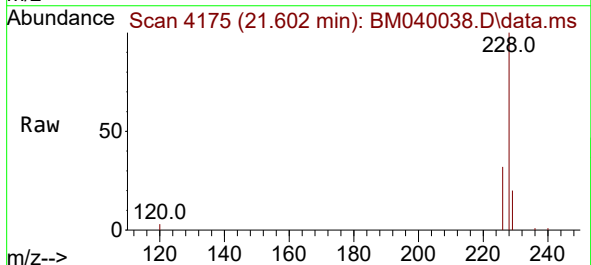
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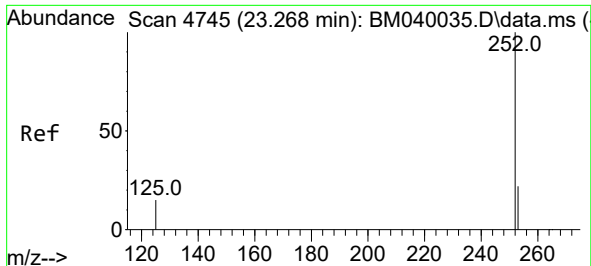
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Ion Ratio	Lower	Upper
228	100	
229	20.0	15.6 23.4
226	28.2	22.5 33.7



#22
Chrysene
Concen: 0.444 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

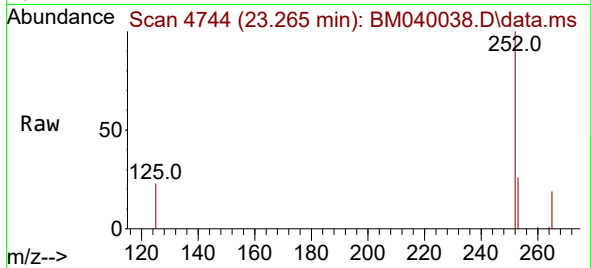
Tgt Ion:228	Resp:	13197
Ion Ratio	Lower	Upper
228	100	
226	31.7	24.6 36.8
229	20.2	15.6 23.4



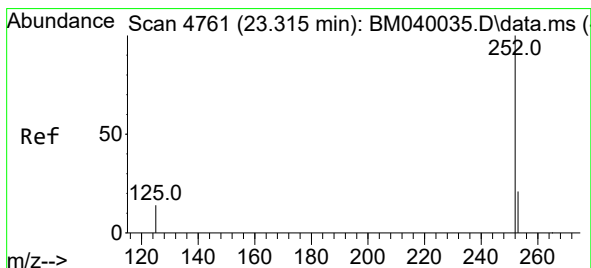
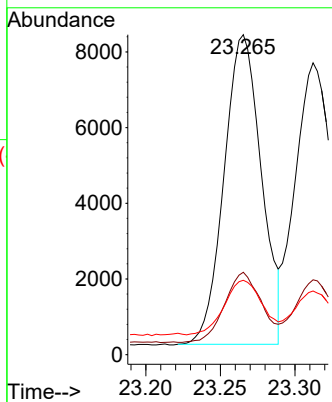
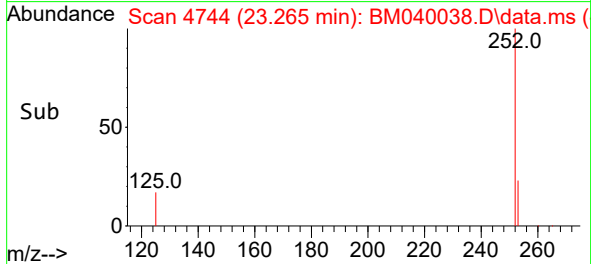


#24
Benzo(b)fluoranthene
Concen: 0.432 ng/ul
RT: 23.265 min Scan# 4744
Delta R.T. -0.009 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

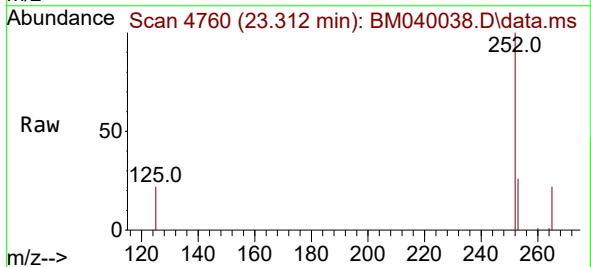
Instrument :
BNA_M
ClientSampleId :
H0FJ2MS



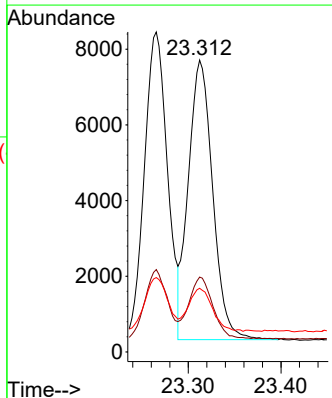
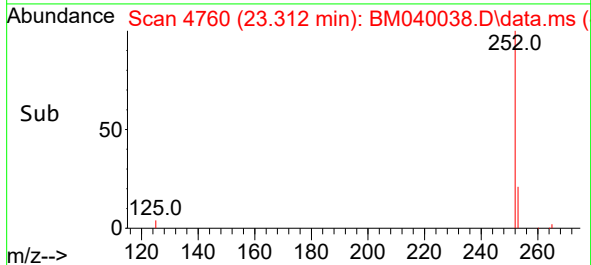
Tgt Ion:252 Resp: 14255
Ion Ratio Lower Upper
252 100
253 25.7 0.0 49.8
125 23.3 0.0 39.2

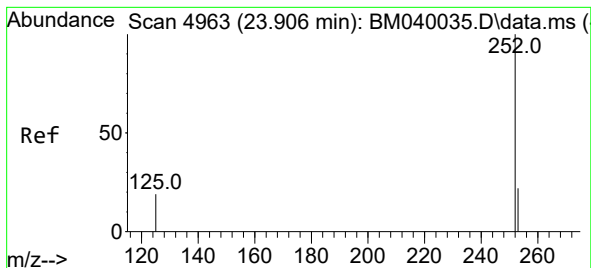


#25
Benzo(k)fluoranthene
Concen: 0.406 ng/ul
RT: 23.312 min Scan# 4760
Delta R.T. -0.012 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59



Tgt Ion:252 Resp: 13511
Ion Ratio Lower Upper
252 100
253 25.6 19.7 29.5
125 21.8 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.417 ng/ul

RT: 23.903 min Scan# 4962

Delta R.T. -0.012 min

Lab File: BM040038.D

Acq: 26 May 2023 15:59

Instrument :

BNA_M

ClientSampleId :

H0FJ2MS

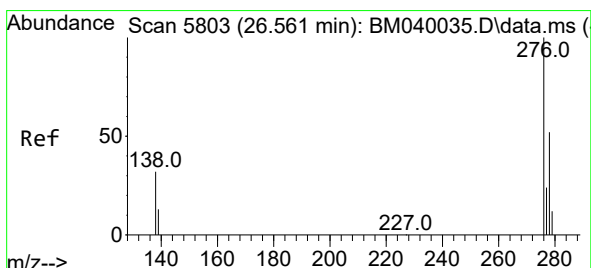
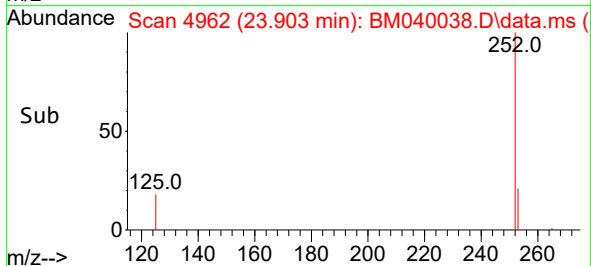
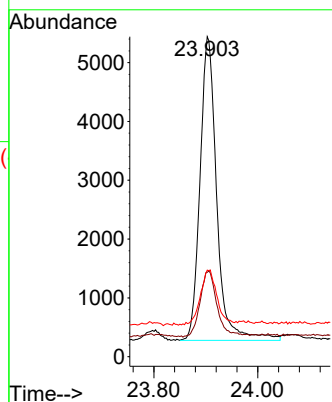
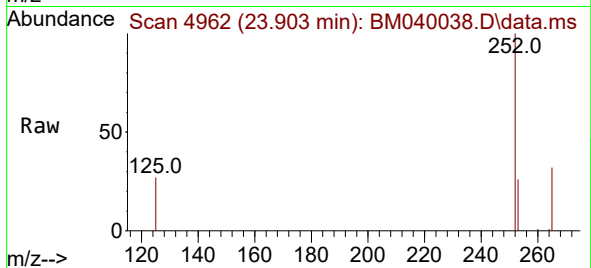
Tgt Ion:252 Resp: 11508

Ion Ratio Lower Upper

252 100

253 26.4 20.6 31.0

125 27.1 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.410 ng/ul

RT: 26.558 min Scan# 5802

Delta R.T. -0.014 min

Lab File: BM040038.D

Acq: 26 May 2023 15:59

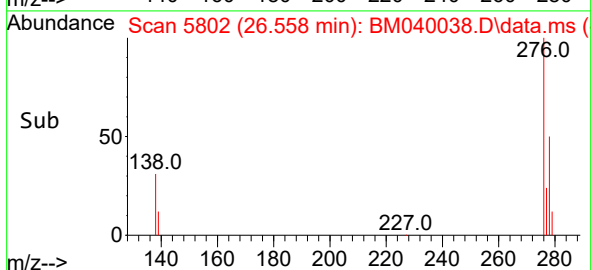
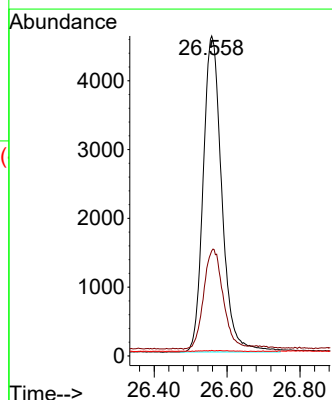
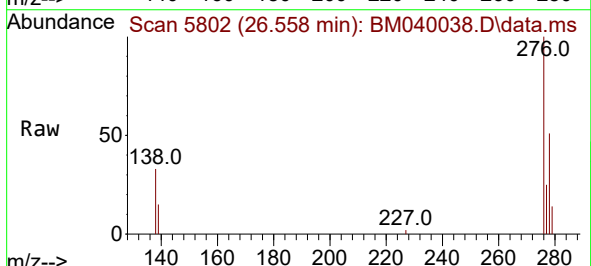
Tgt Ion:276 Resp: 16295

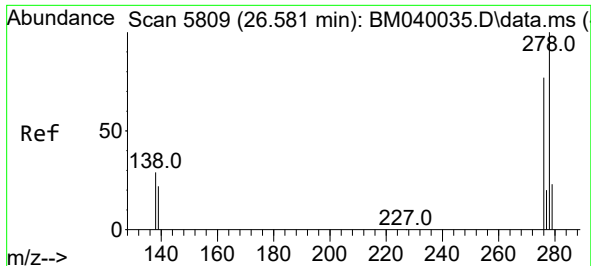
Ion Ratio Lower Upper

276 100

138 34.4 26.9 40.3

227 0.0 0.1 0.1#

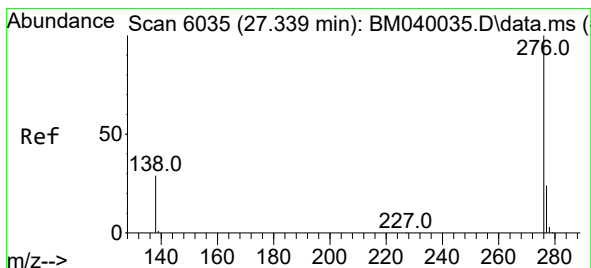
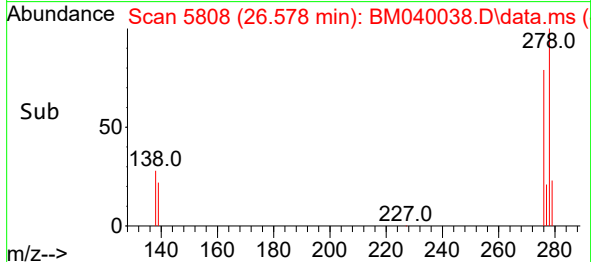
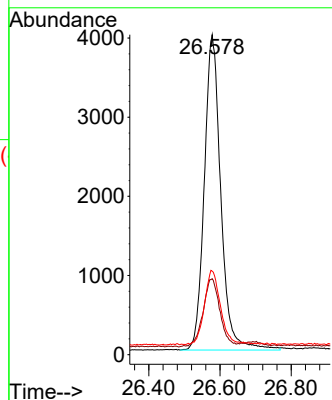
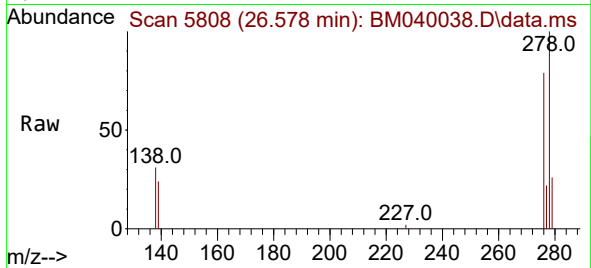




#28
Dibenzo(a,h)anthracene
Concen: 0.400 ng/ul
RT: 26.578 min Scan# 5809
Delta R.T. -0.017 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Instrument :
BNA_M
ClientSampleId :
H0FJ2MS

Tgt Ion:278 Resp: 12836
Ion Ratio Lower Upper
278 100
139 23.8 19.0 28.4
279 26.1 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.425 ng/ul
RT: 27.343 min Scan# 6036
Delta R.T. -0.014 min
Lab File: BM040038.D
Acq: 26 May 2023 15:59

Tgt Ion:276 Resp: 13836
Ion Ratio Lower Upper
276 100
138 30.6 23.9 35.9
277 25.1 19.5 29.3

