

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040039.D
 Acq On : 26 May 2023 16:35
 Operator : CG/JU
 Sample : 02851-03MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FJ2MSD

Quant Time: May 26 19:00:38 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)

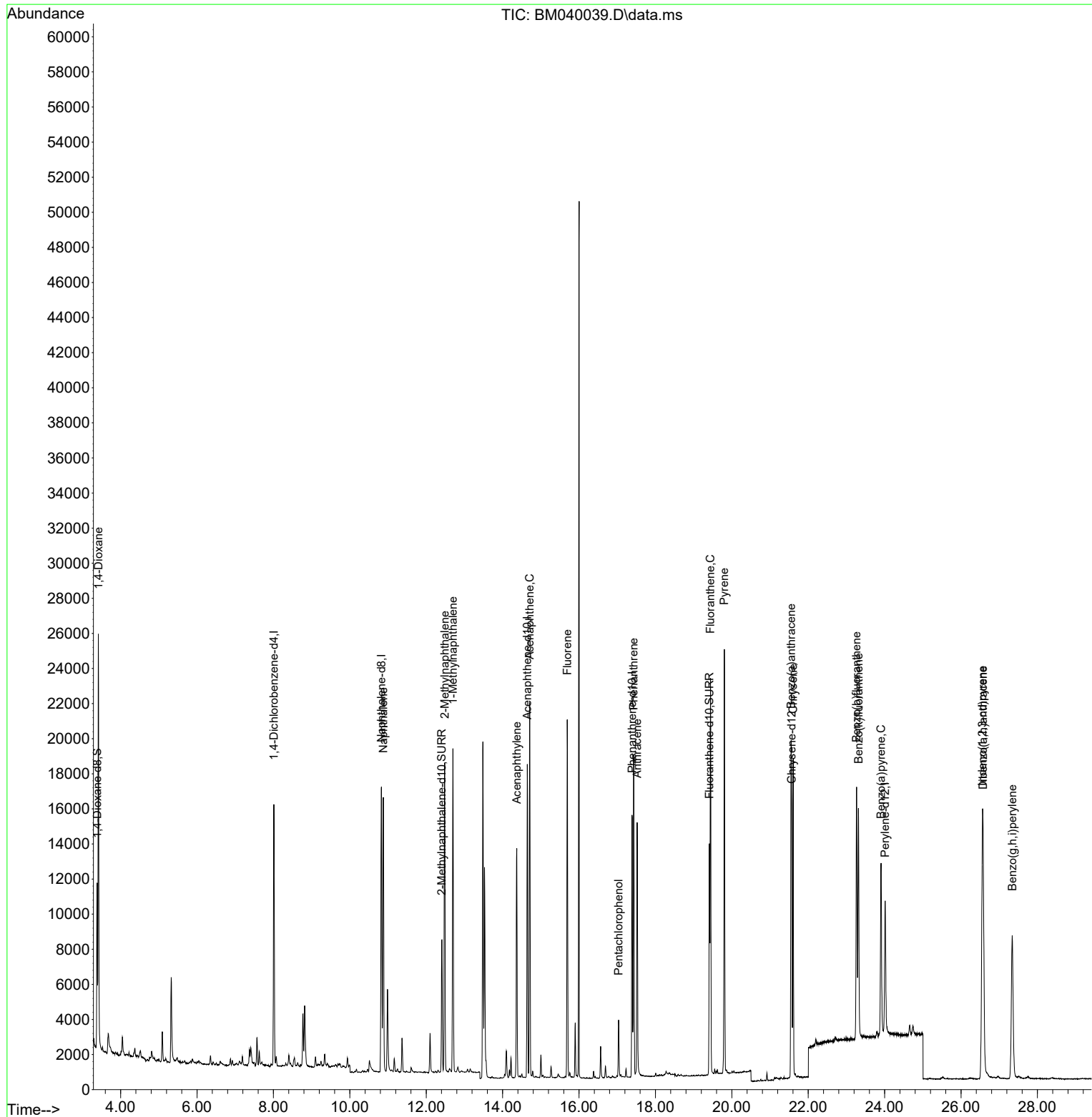
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7295	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	22057	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	9132	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.391	188	16754	0.400	ng/ul	0.00
17) Chrysene-d12	21.567	240	10095	0.400	ng/ul	0.00
23) Perylene-d12	24.011	264	11080	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	5762	0.678	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	9838	0.365	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	12624	0.415	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	14714	1.646	ng/ul	94
5) Naphthalene	10.877	128	21233	0.394	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	12038	0.370	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	12153	0.359	ng/ul	99
10) Acenaphthylene	14.369	152	14518	0.399	ng/ul	100
11) Acenaphthene	14.711	153	12018	0.406	ng/ul	99
12) Fluorene	15.692	166	12123	0.393	ng/ul	98
14) Pentachlorophenol	17.037	266	2182	0.642	ng/ul	99
15) Phenanthrene	17.429	178	19042	0.401	ng/ul	99
16) Anthracene	17.522	178	15797	0.397	ng/ul	99
19) Fluoranthene	19.440	202	18582	0.409	ng/ul	98
20) Pyrene	19.802	202	19366	0.421	ng/ul	99
21) Benzo(a)anthracene	21.550	228	14926	0.439	ng/ul	99
22) Chrysene	21.602	228	15504	0.429	ng/ul	99
24) Benzo(b)fluoranthene	23.266	252	18030	0.410	ng/ul	95
25) Benzo(k)fluoranthene	23.315	252	17293	0.390	ng/ul	98
26) Benzo(a)pyrene	23.906	252	15016	0.408	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.558	276	21346	0.403	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.578	278	16774	0.392	ng/ul	100
29) Benzo(g,h,i)perylene	27.339	276	17859	0.411	ng/ul	99

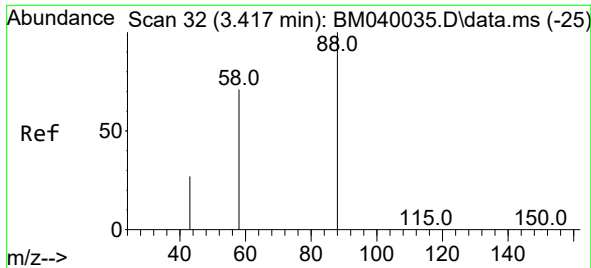
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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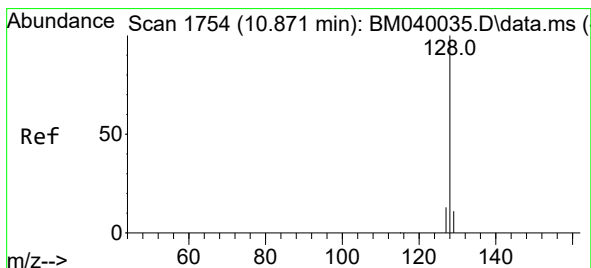
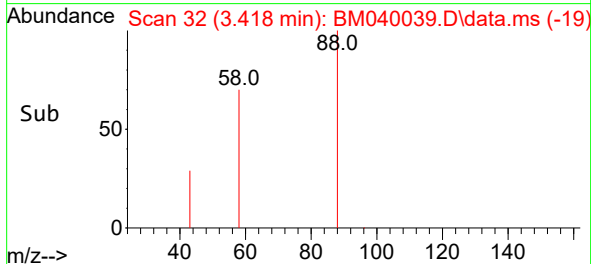
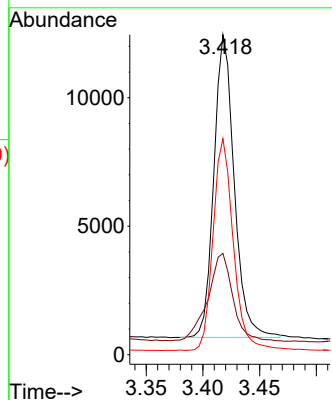
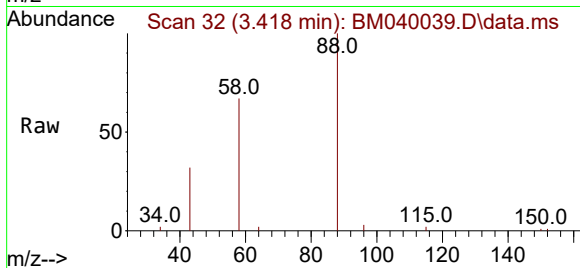




#2
1,4-Dioxane
Concen: 1.646 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

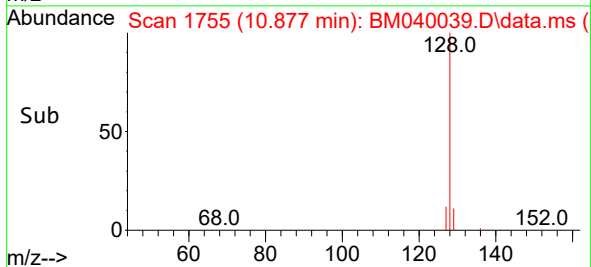
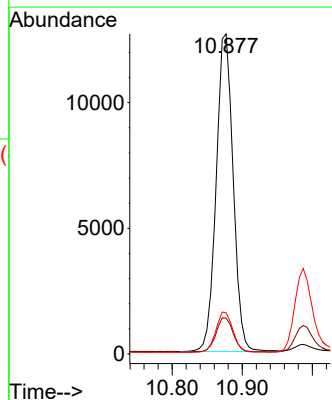
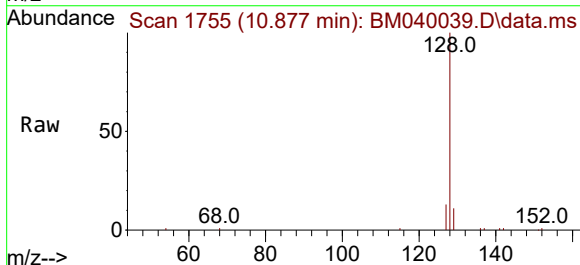
Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

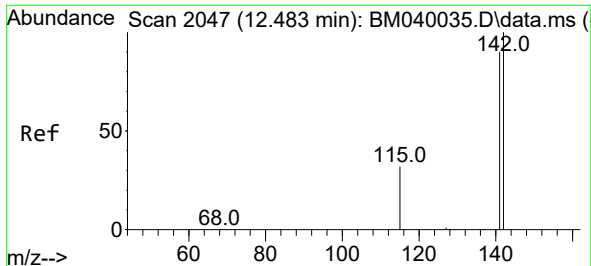
Tgt Ion: 88 Resp: 14714
Ion Ratio Lower Upper
88 100
43 31.6 25.9 38.9
58 67.5 48.5 72.7



#5
Naphthalene
Concen: 0.394 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion: 128 Resp: 21233
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.9 10.5 15.7

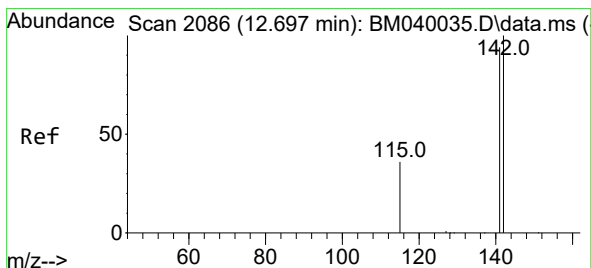
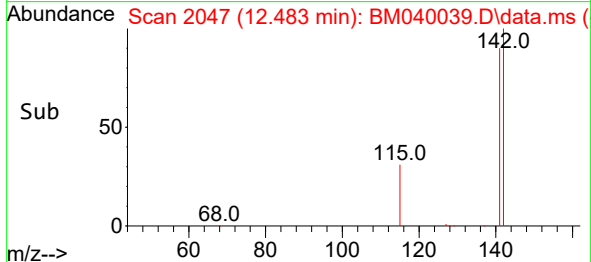
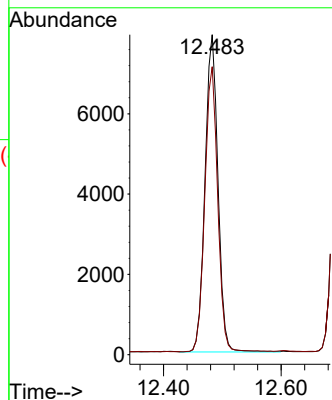
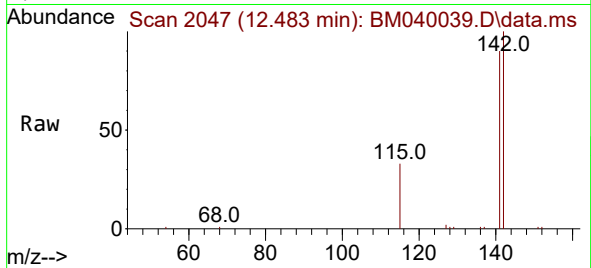




#7
2-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

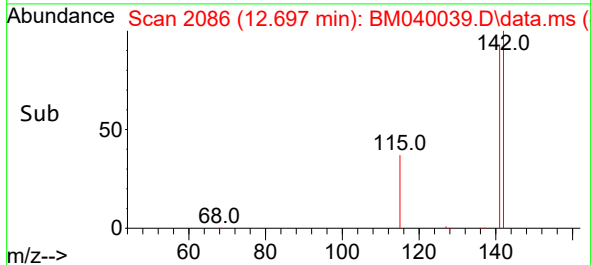
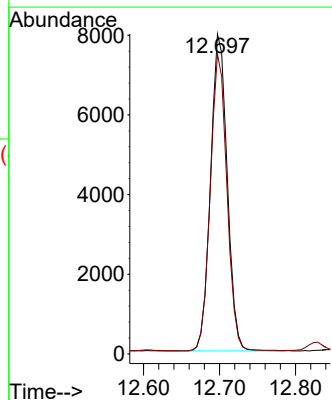
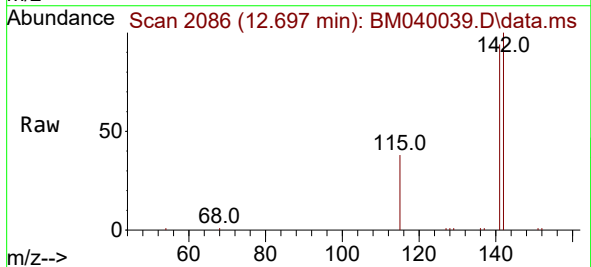
Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

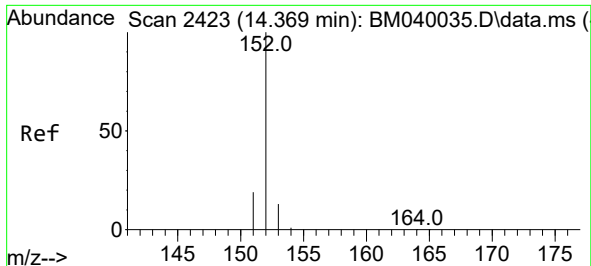
Tgt Ion:142 Resp: 12038
Ion Ratio Lower Upper
142 100
141 89.8 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.359 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:142 Resp: 12153
Ion Ratio Lower Upper
142 100
141 93.2 73.8 110.6

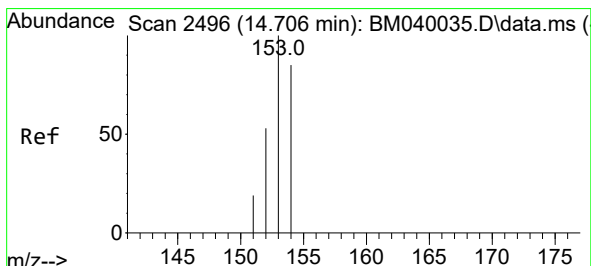
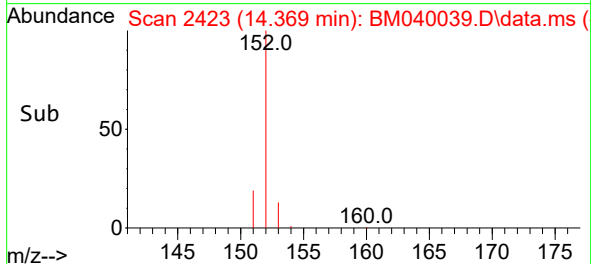
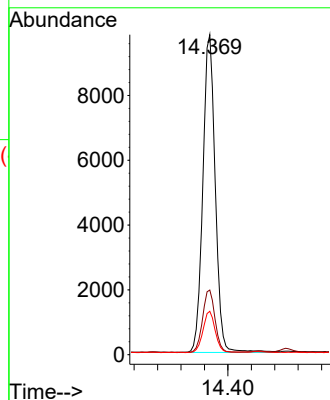
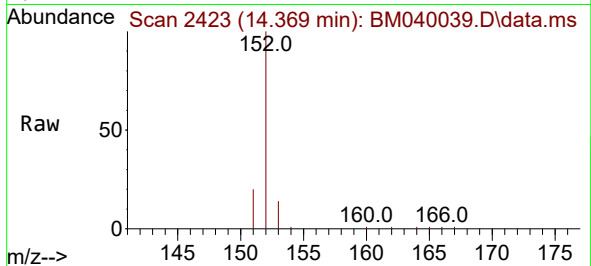




#10
Acenaphthylene
Concen: 0.399 ng/ul
RT: 14.369 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

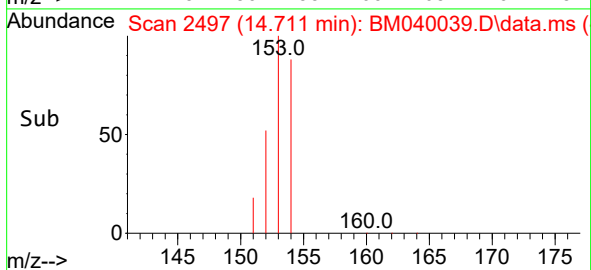
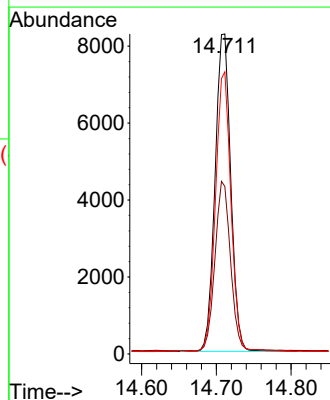
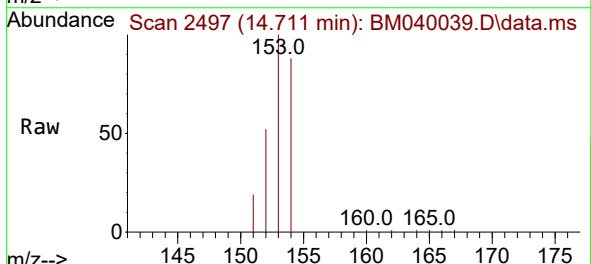
Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

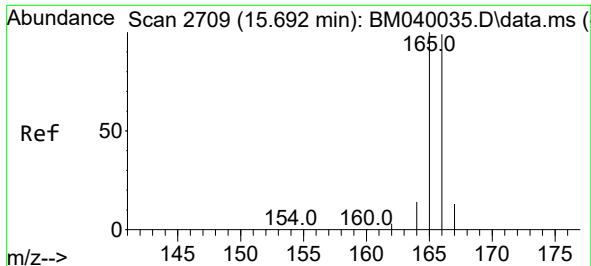
Tgt Ion:	152	Resp:	14518
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.4
153	13.6	10.6	16.0



#11
Acenaphthene
Concen: 0.406 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. -0.000 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:	153	Resp:	12018
Ion Ratio	Lower	Upper	
153	100		
152	52.4	42.0	63.0
154	88.2	69.4	104.2

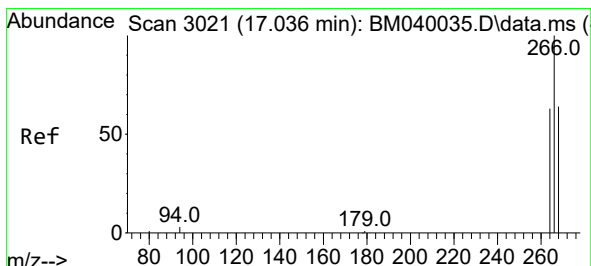
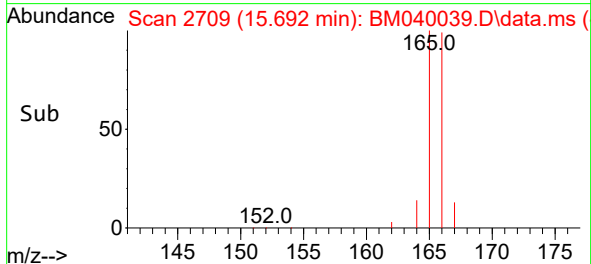
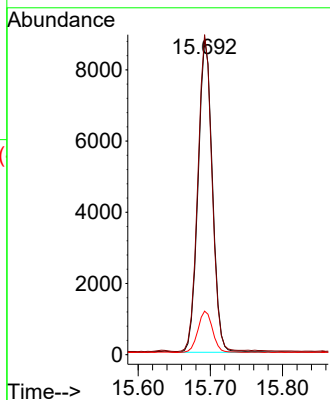
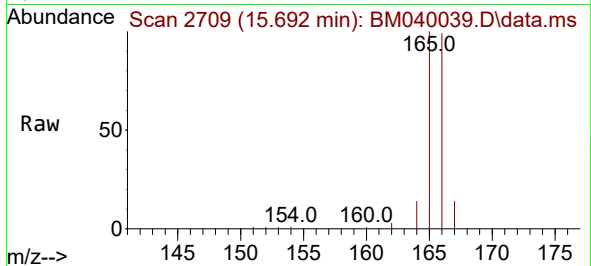




#12
Fluorene
Concen: 0.393 ng/ul
RT: 15.692 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

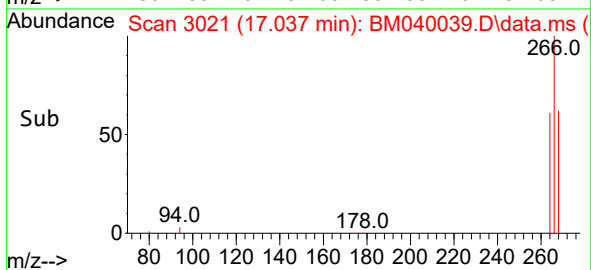
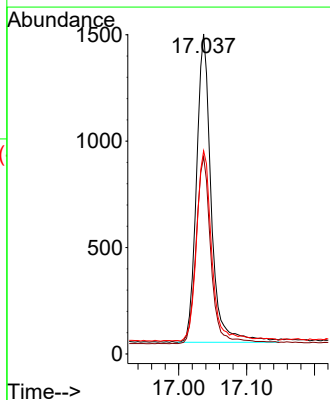
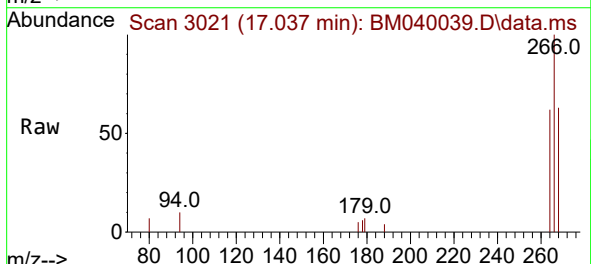
Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

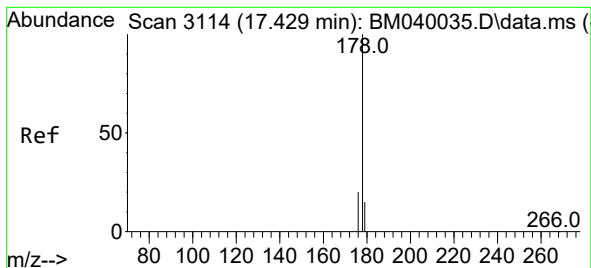
Tgt Ion:166 Resp: 12123
Ion Ratio Lower Upper
166 100
165 101.1 79.3 118.9
167 13.8 10.8 16.2



#14
Pentachlorophenol
Concen: 0.642 ng/ul
RT: 17.037 min Scan# 3021
Delta R.T. -0.004 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:266 Resp: 2182
Ion Ratio Lower Upper
266 100
264 62.0 49.2 73.8
268 63.4 51.9 77.9





#15

Phenanthrene

Concen: 0.401 ng/ul

RT: 17.429 min Scan# 3114

Delta R.T. -0.004 min

Lab File: BM040039.D

Acq: 26 May 2023 16:35

Instrument :

BNA_M

ClientSampleId :

H0FJ2MSD

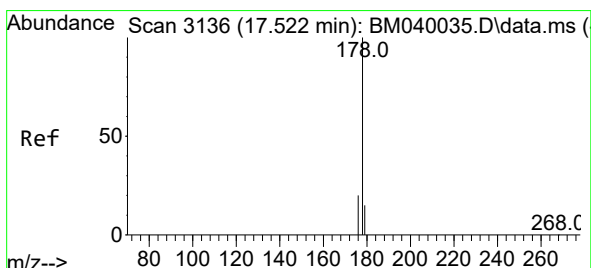
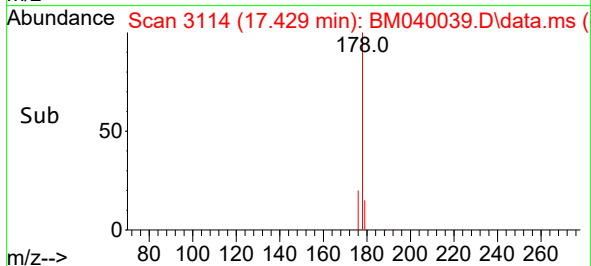
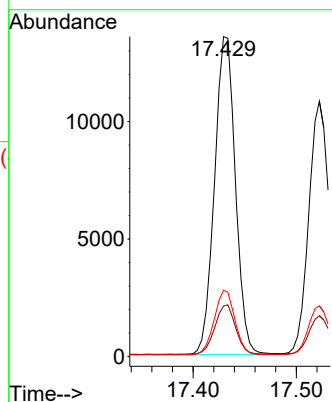
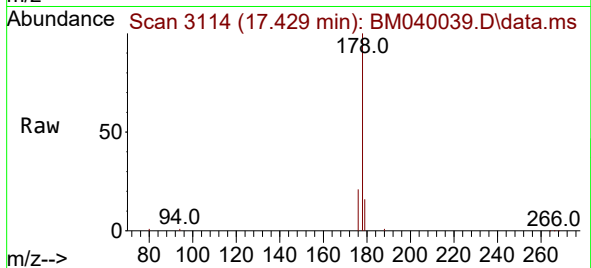
Tgt Ion:178 Resp: 19042

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

176 20.8 16.3 24.5



#16

Anthracene

Concen: 0.397 ng/ul

RT: 17.522 min Scan# 3136

Delta R.T. -0.004 min

Lab File: BM040039.D

Acq: 26 May 2023 16:35

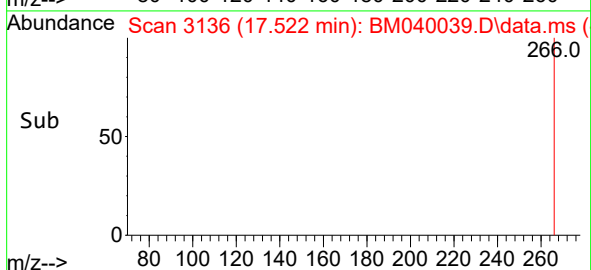
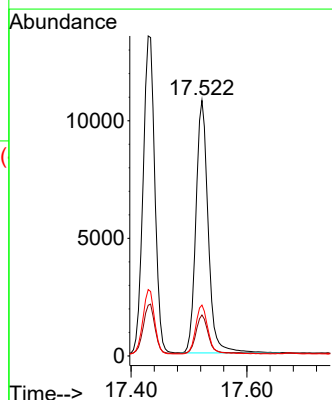
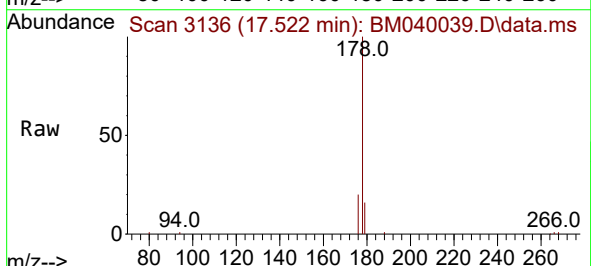
Tgt Ion:178 Resp: 15797

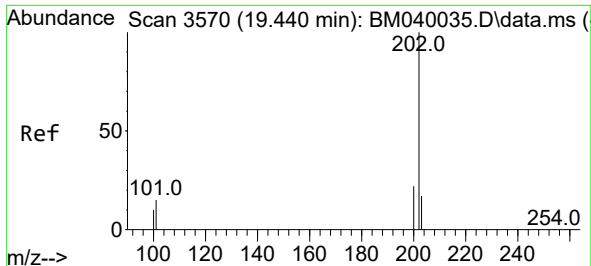
Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

176 19.9 15.5 23.3

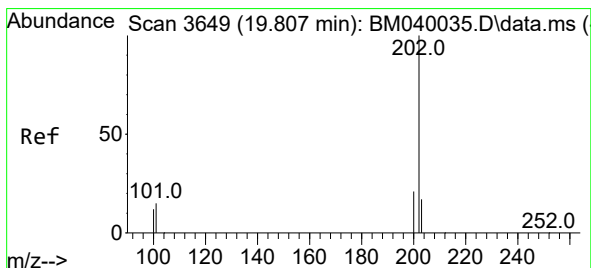
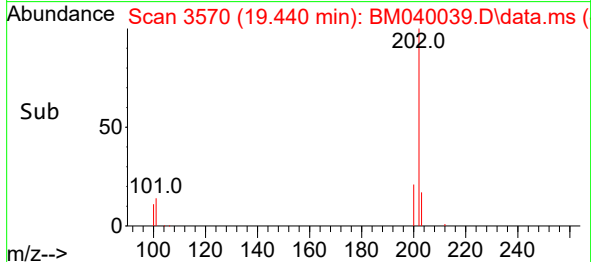
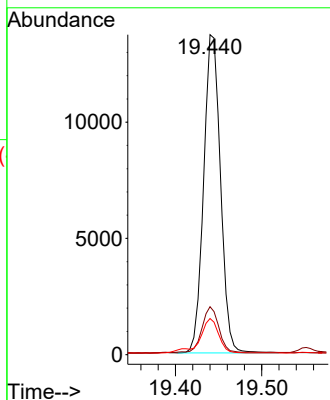
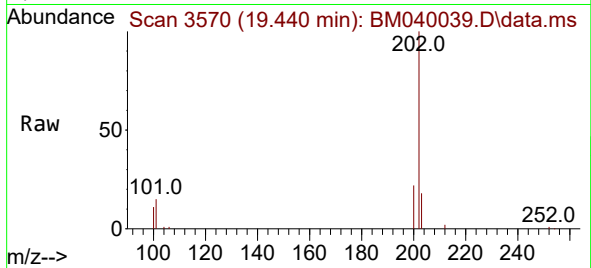




#19
Fluoranthene
Concen: 0.409 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

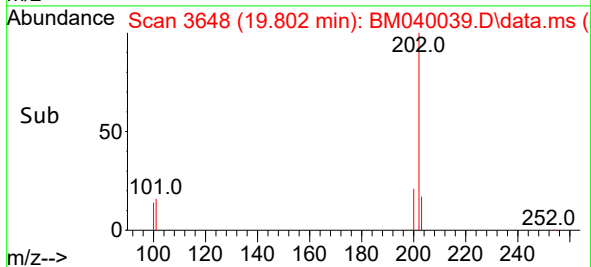
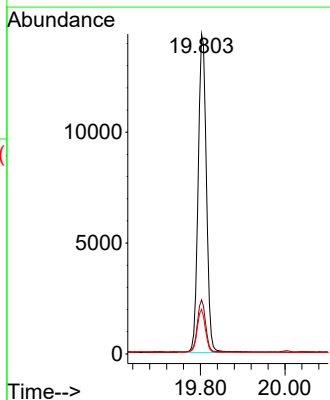
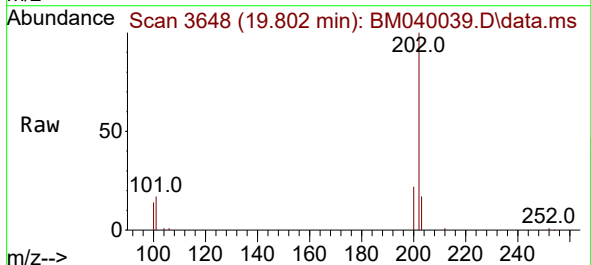
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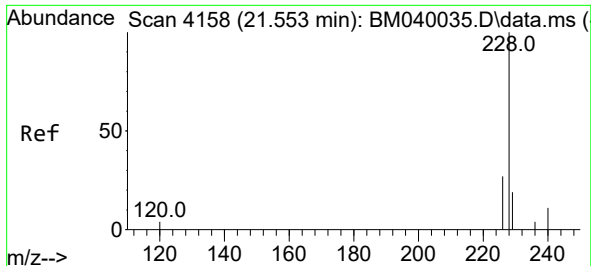
Tgt Ion:202 Resp: 18582
Ion Ratio Lower Upper
202 100
101 15.0 11.5 17.3
100 11.3 8.5 12.7



#20
Pyrene
Concen: 0.421 ng/ul
RT: 19.802 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:202 Resp: 19366
Ion Ratio Lower Upper
202 100
101 16.9 13.3 19.9
100 14.0 10.9 16.3

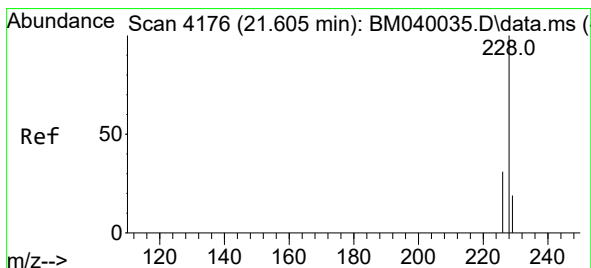
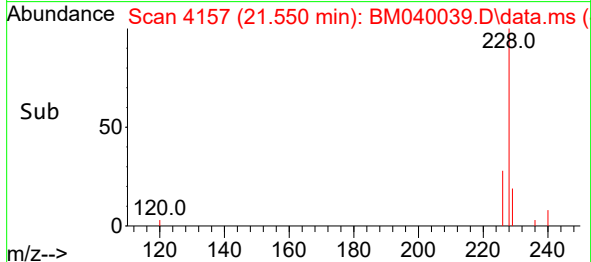
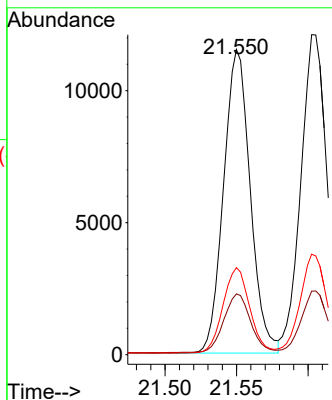
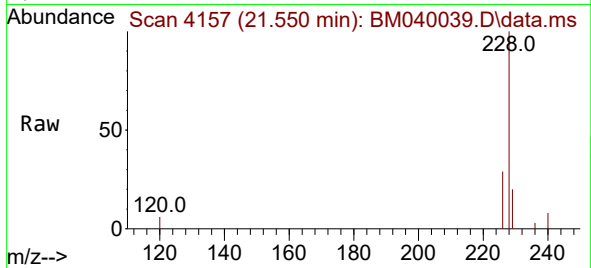




#21
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.550 min Scan# 4158
Delta R.T. -0.006 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

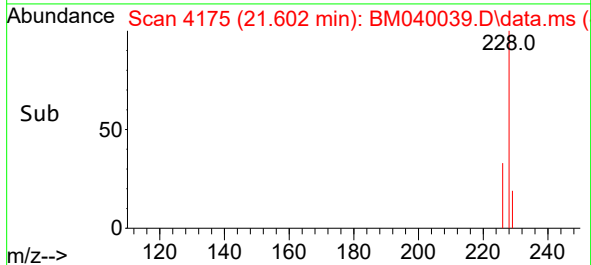
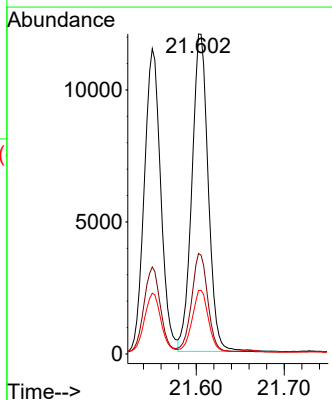
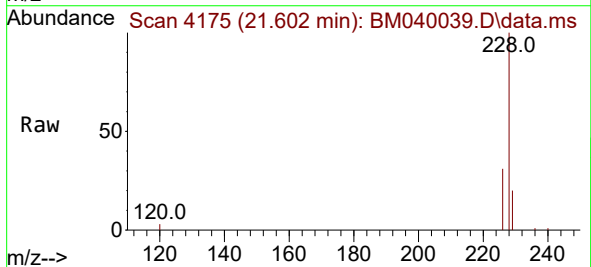
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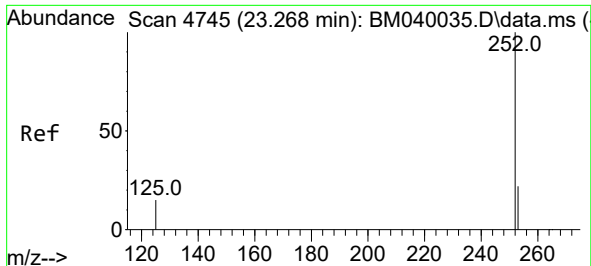
Tgt Ion:228 Resp: 14926
Ion Ratio Lower Upper
228 100
229 19.9 15.6 23.4
226 28.5 22.5 33.7



#22
Chrysene
Concen: 0.429 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:228 Resp: 15504
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 19.8 15.6 23.4

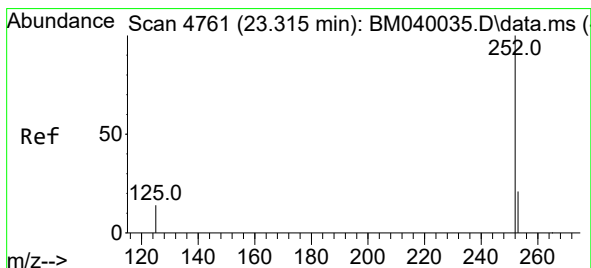
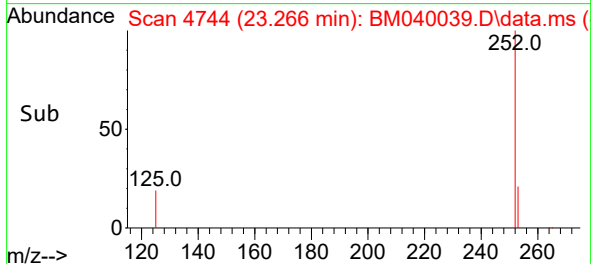
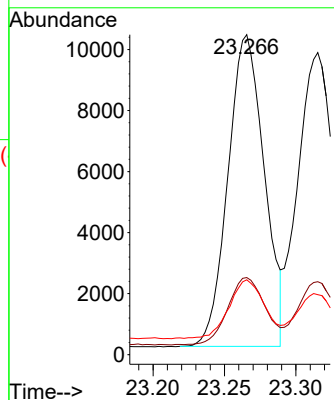
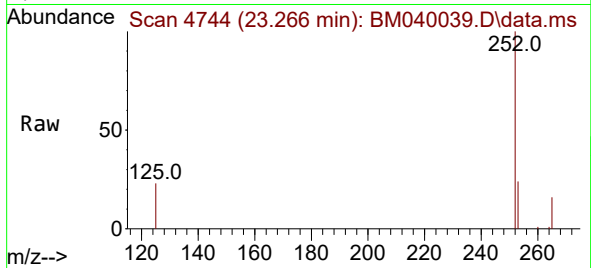




#24
Benzo(b)fluoranthene
Concen: 0.410 ng/ul
RT: 23.266 min Scan# 4745
Delta R.T. -0.009 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

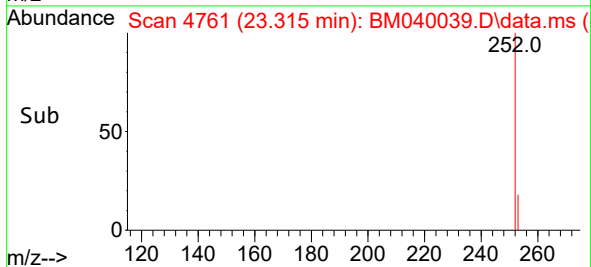
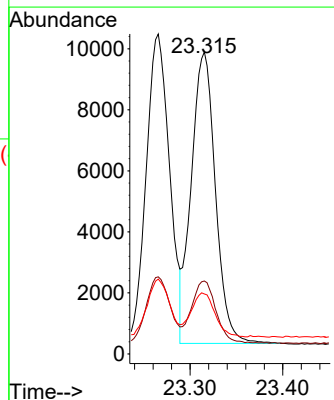
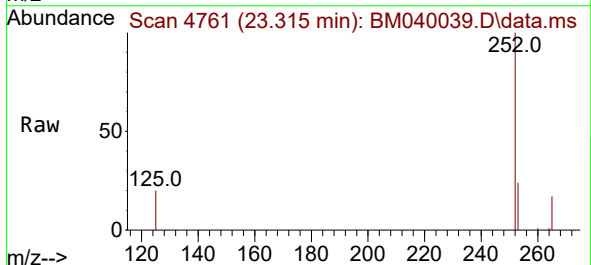
Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

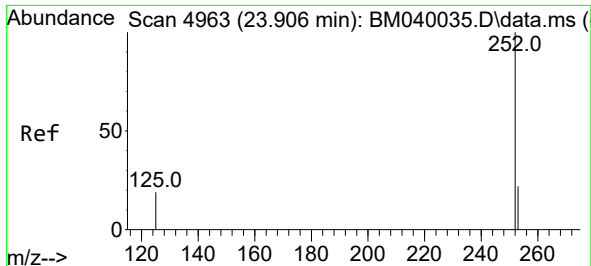
Tgt Ion:252 Resp: 18030
Ion Ratio Lower Upper
252 100
253 24.1 0.0 49.8
125 23.4 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.390 ng/ul
RT: 23.315 min Scan# 4761
Delta R.T. -0.009 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

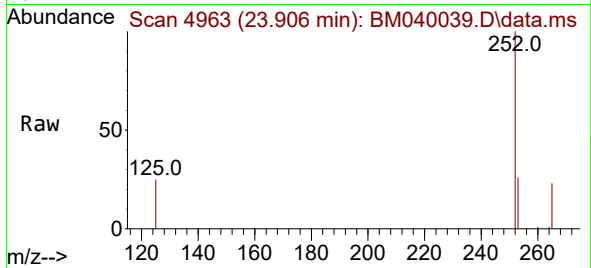
Tgt Ion:252 Resp: 17293
Ion Ratio Lower Upper
252 100
253 24.1 19.7 29.5
125 19.9 15.0 22.4



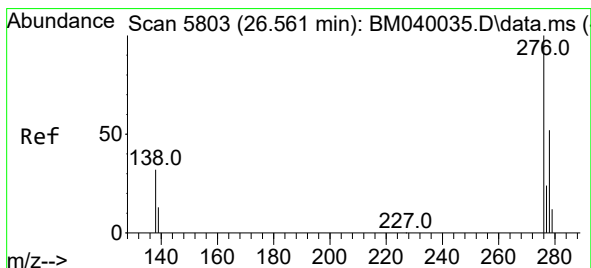
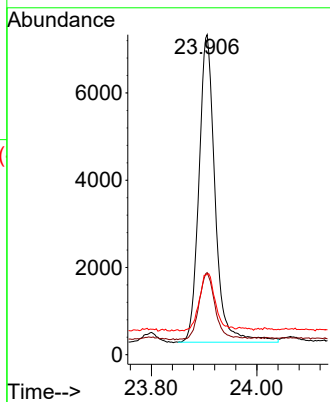
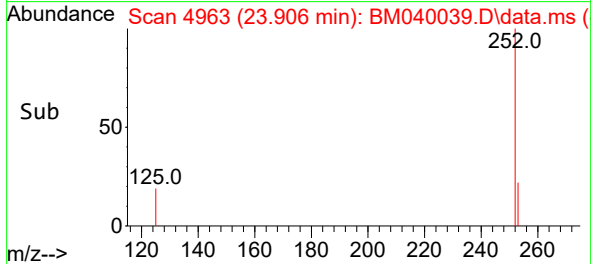


#26
Benzo(a)pyrene
Concen: 0.408 ng/ul
RT: 23.906 min Scan# 4963
Delta R.T. -0.009 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

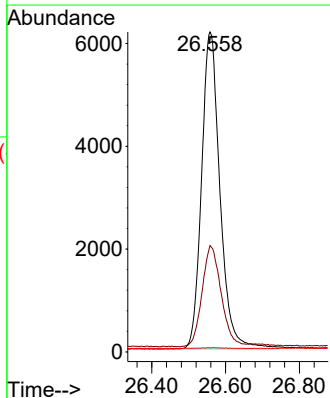
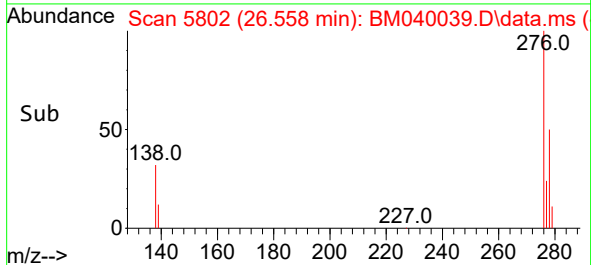
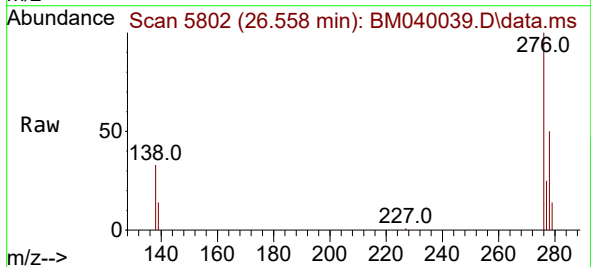


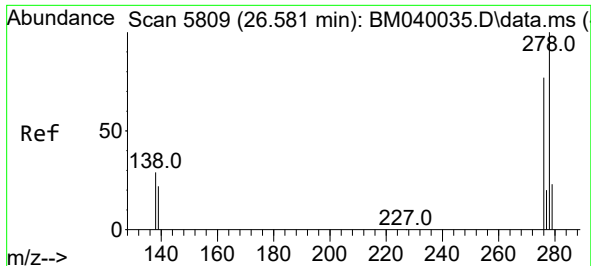
Tgt Ion:252 Resp: 15016
Ion Ratio Lower Upper
252 100
253 25.7 20.6 31.0
125 25.2 19.1 28.7



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.403 ng/ul
RT: 26.558 min Scan# 5802
Delta R.T. -0.013 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:276 Resp: 21346
Ion Ratio Lower Upper
276 100
138 34.2 26.9 40.3
227 0.2 0.1 0.1#

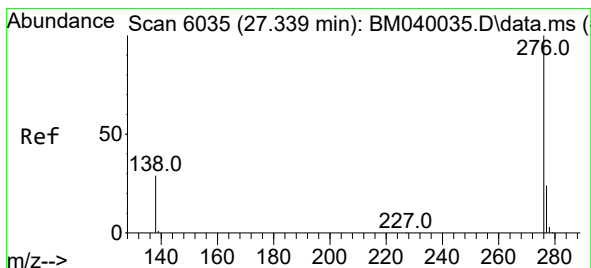
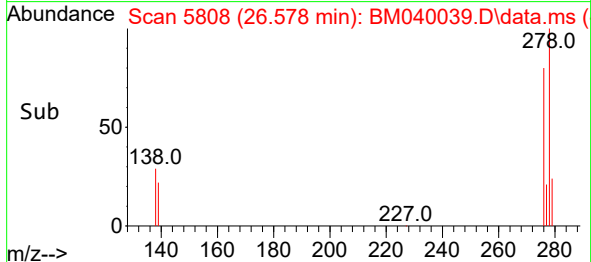
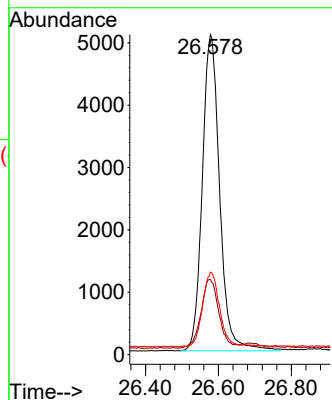
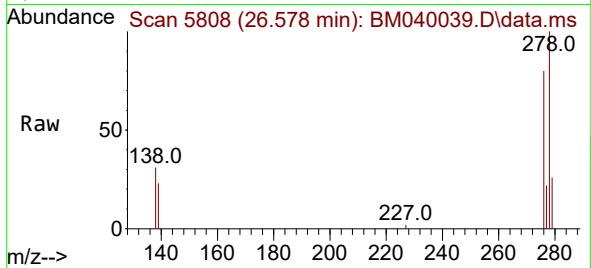




#28
Dibenzo(a,h)anthracene
Concen: 0.392 ng/ul
RT: 26.578 min Scan# 5808
Delta R.T. -0.017 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Instrument :
BNA_M
ClientSampleId :
H0FJ2MSD

Tgt Ion:278 Resp: 16774
Ion Ratio Lower Upper
278 100
139 23.5 19.0 28.4
279 25.8 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.411 ng/ul
RT: 27.339 min Scan# 6035
Delta R.T. -0.017 min
Lab File: BM040039.D
Acq: 26 May 2023 16:35

Tgt Ion:276 Resp: 17859
Ion Ratio Lower Upper
276 100
138 31.1 23.9 35.9
277 24.6 19.5 29.3

