

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
 Data File : BM040940.D
 Acq On : 18 Jul 2023 02:13
 Operator : MA/JU
 Sample : 03458-23MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46K5MSD

Quant Time: Jul 18 03:47:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 15 03:58:02 2023
 Response via : Initial Calibration

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

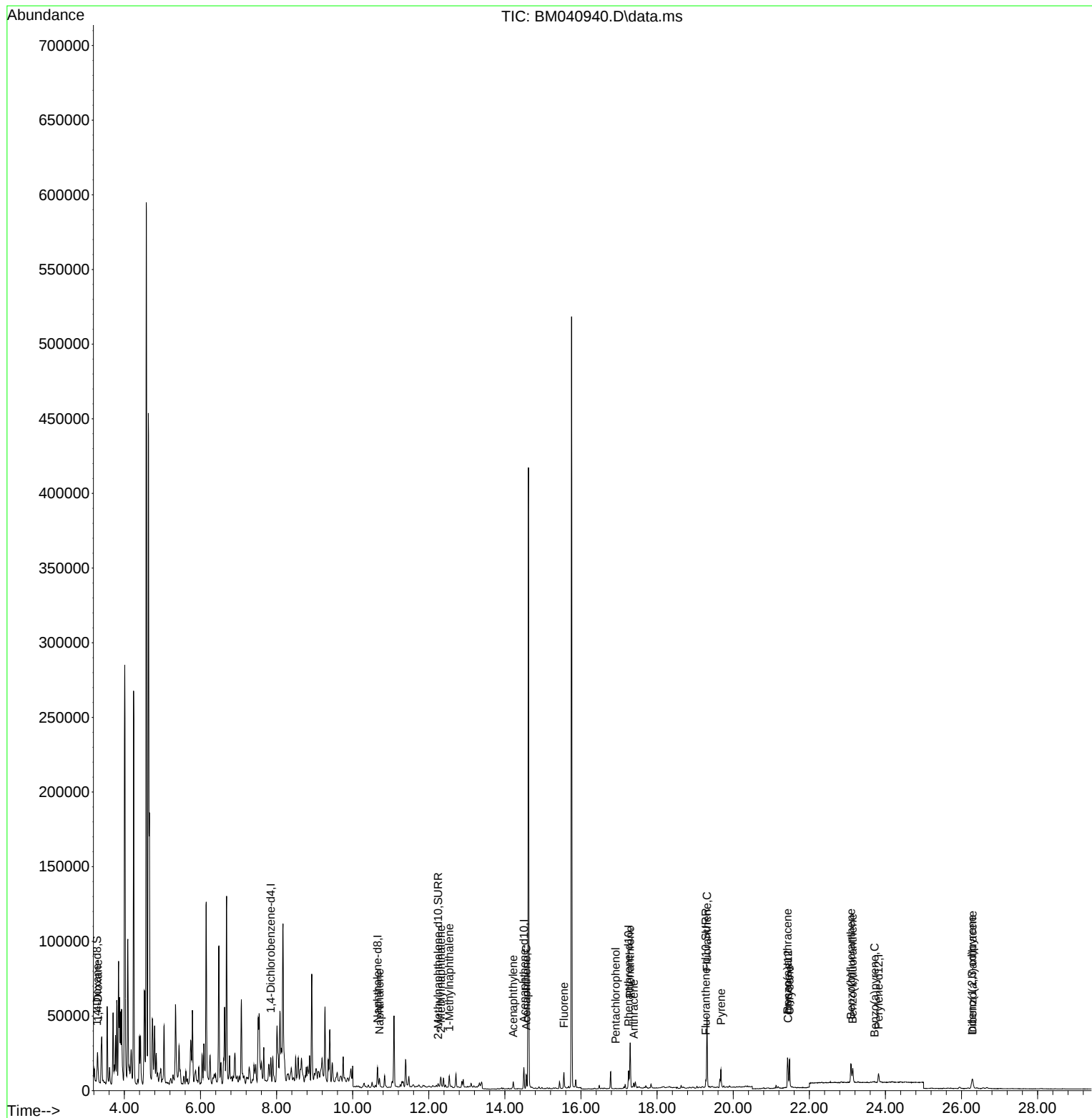
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.849	152	8094	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.653	136	18749	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.499	164	7754	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	18657	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	8889	0.400	ng/ul	0.00
23) Perylene-d12	23.819	264	8559	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	3700	0.291	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	3210	0.122	ng/ul	-0.01
18) Fluoranthene-d10	19.283	212	5565	0.195	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.309	88	4966	0.384	ng/ul#	1
5) Naphthalene	10.702	128	8411	0.163	ng/ul	95
7) 2-Methylnaphthalene	12.319	142	4007	0.132	ng/ul	97
8) 1-Methylnaphthalene	12.539	142	4472	0.147	ng/ul	99
10) Acenaphthylene	14.222	152	5513	0.159	ng/ul#	90
11) Acenaphthene	14.560	153	5746	0.196	ng/ul	98
12) Fluorene	15.550	166	6835	0.219	ng/ul	96
14) Pentachlorophenol	16.911	266	103	0.029	ng/ul#	75
15) Phenanthrene	17.291	178	32362	0.558	ng/ul	100
16) Anthracene	17.388	178	3470	0.071	ng/ul#	88
19) Fluoranthene	19.310	202	40980	1.085	ng/ul	98
20) Pyrene	19.678	202	11093	0.274	ng/ul	98
21) Benzo(a)anthracene	21.428	228	16528	0.550	ng/ul	96
22) Chrysene	21.480	228	17347	0.506	ng/ul	96
24) Benzo(b)fluoranthene	23.097	252	18369	0.555	ng/ul	93
25) Benzo(k)fluoranthene	23.140	252	12218	0.374	ng/ul#	86
26) Benzo(a)pyrene	23.713	252	641	0.021	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.277	276	5683	0.137	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.287	278	8940	0.275	ng/ul#	89

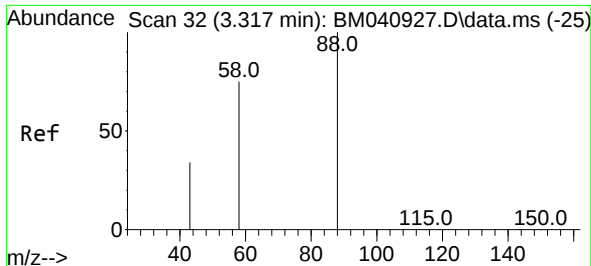
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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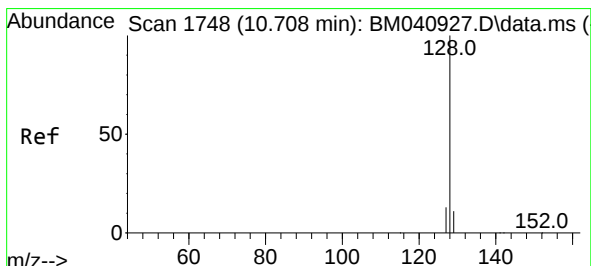
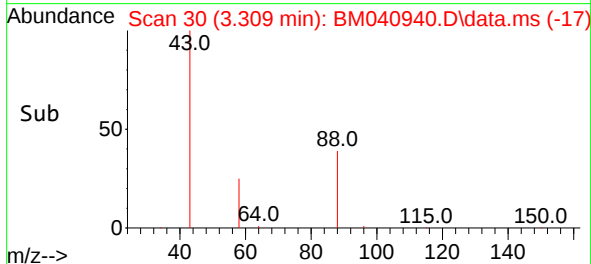
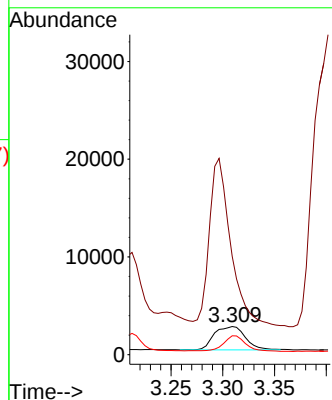
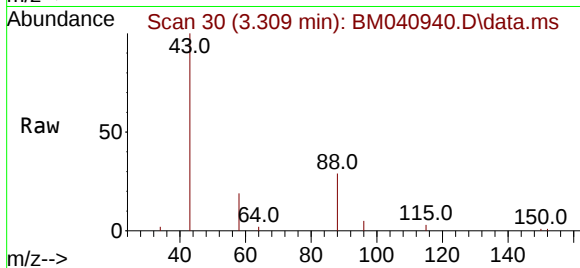




#2
1,4-Dioxane
Concen: 0.384 ng/ul
RT: 3.309 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

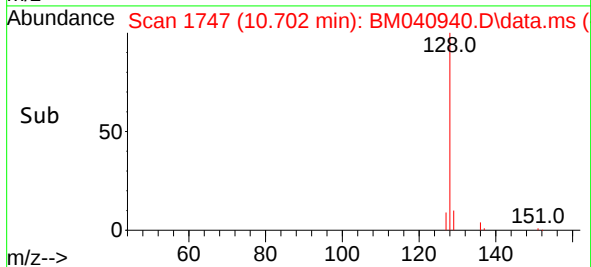
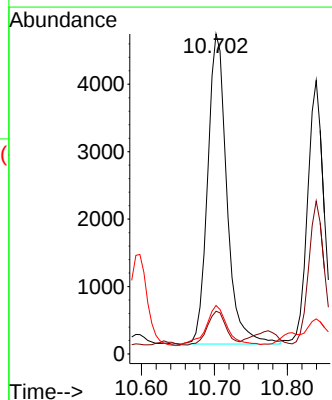
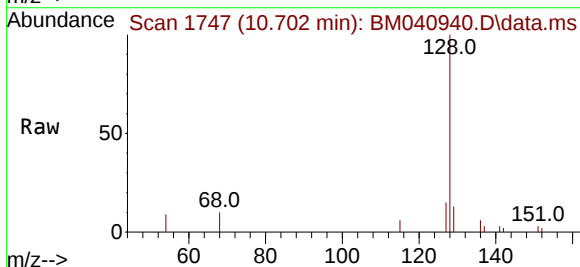
Instrument :
BNA_M
ClientSampleId :
A46K5MSD

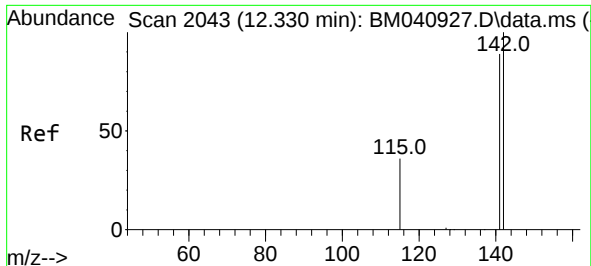
Tgt Ion: 88 Resp: 4966
Ion Ratio Lower Upper
88 100
43 349.6 36.1 54.1#
58 67.0 49.8 74.8



#5
Naphthalene
Concen: 0.163 ng/ul
RT: 10.702 min Scan# 1747
Delta R.T. -0.011 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Tgt Ion: 128 Resp: 8411
Ion Ratio Lower Upper
128 100
129 13.4 9.2 13.8
127 15.2 10.6 15.8

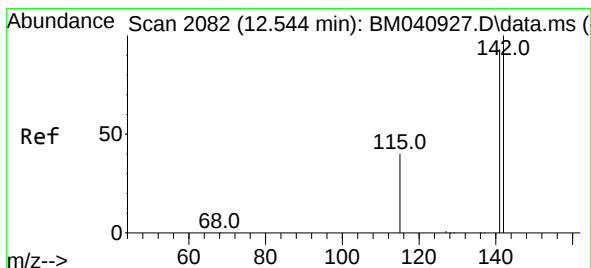
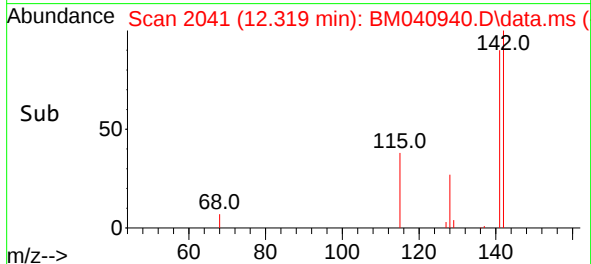
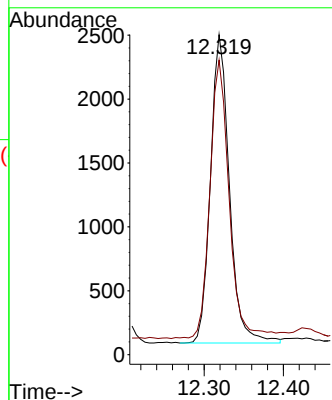
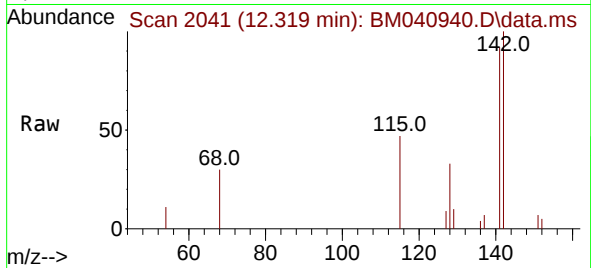




#7
2-Methylnaphthalene
Concen: 0.132 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. -0.011 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

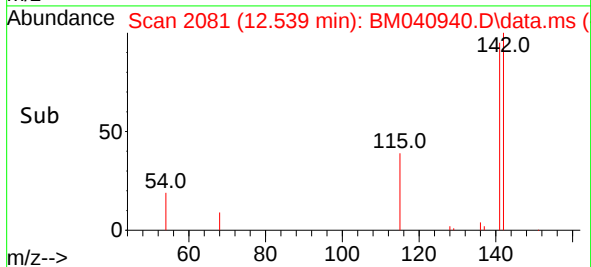
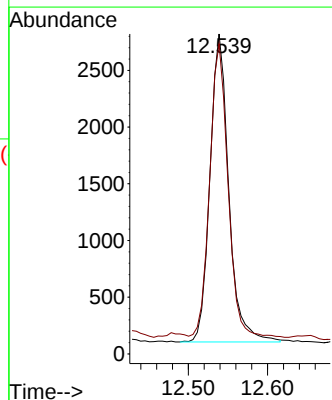
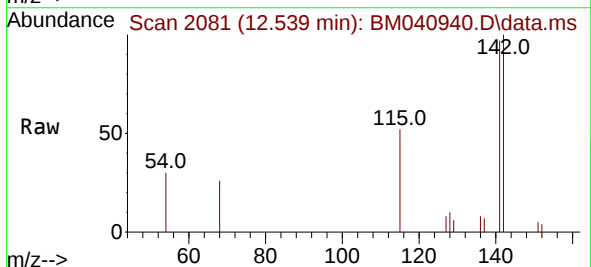
Instrument :
BNA_M
ClientSampleId :
A46K5MSD

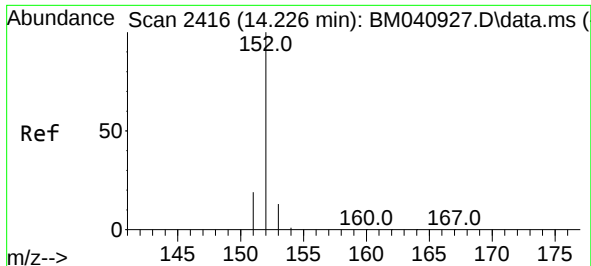
Tgt Ion:142 Resp: 4007
Ion Ratio Lower Upper
142 100
141 93.1 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.147 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. -0.011 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Tgt Ion:142 Resp: 4472
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5

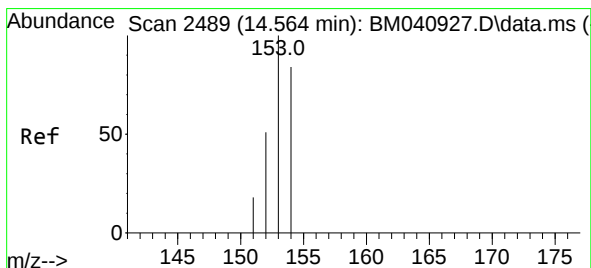
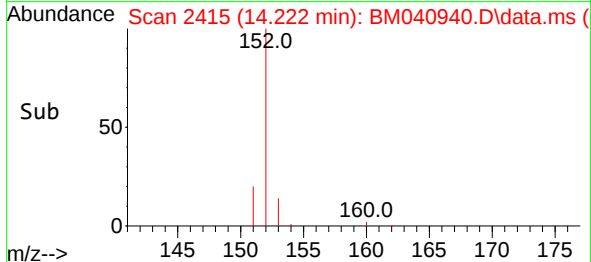
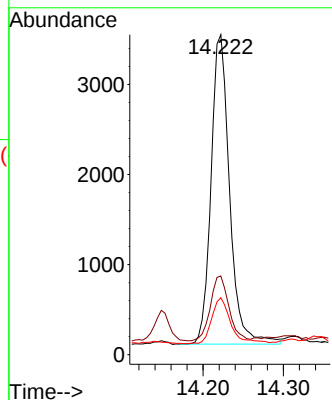
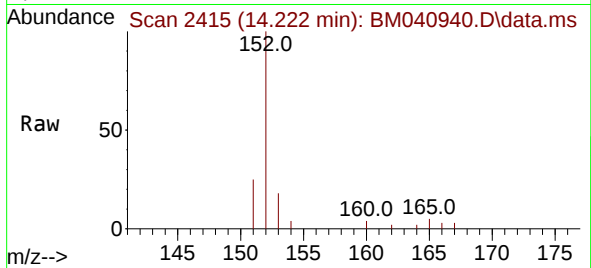




#10
Acenaphthylene
Concen: 0.159 ng/ul
RT: 14.222 min Scan# 2415
Delta R.T. -0.009 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

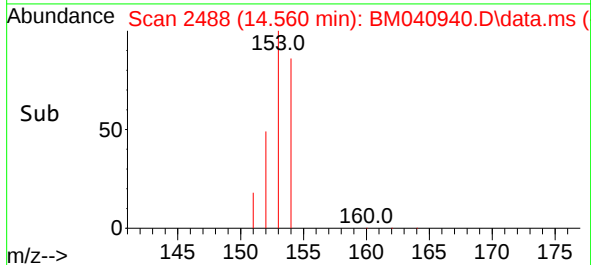
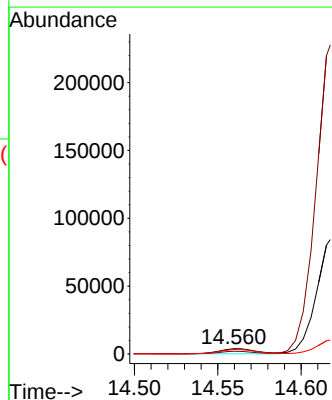
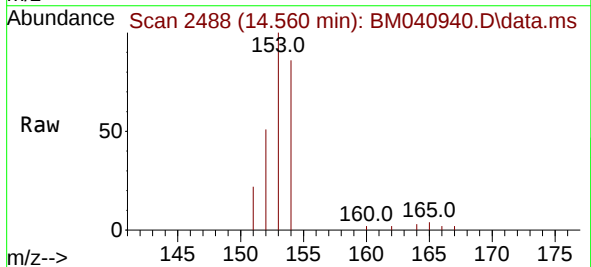
Instrument :
BNA_M
ClientSampleId :
A46K5MSD

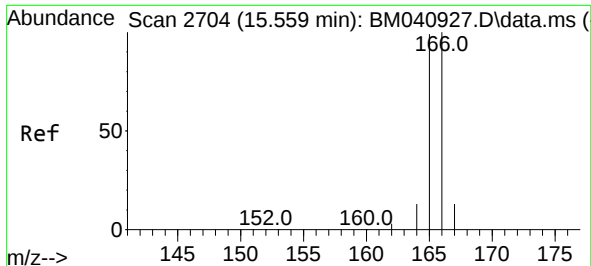
Tgt Ion:152 Resp: 5513
Ion Ratio Lower Upper
152 100
151 24.6 16.2 24.2#
153 17.8 10.9 16.3#



#11
Acenaphthene
Concen: 0.196 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. -0.009 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Tgt Ion:153 Resp: 5746
Ion Ratio Lower Upper
153 100
152 51.1 41.0 61.4
154 85.6 70.8 106.2

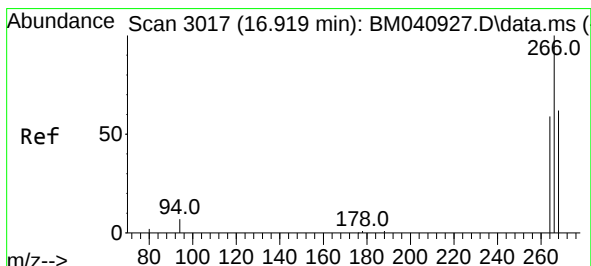
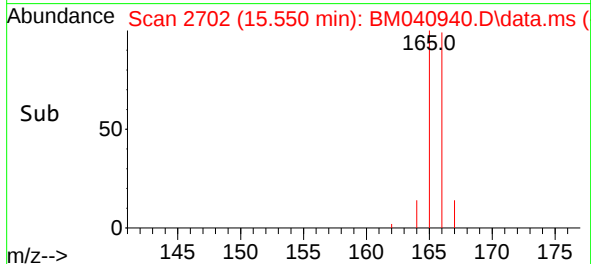
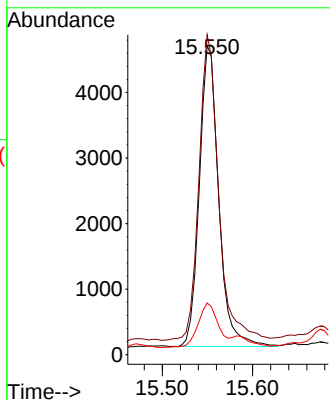
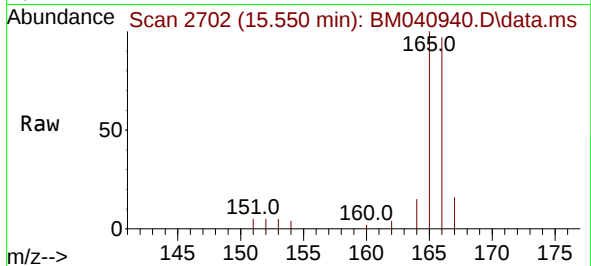




#12
 Fluorene
 Concen: 0.219 ng/ul
 RT: 15.550 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BM040940.D
 Acq: 18 Jul 2023 02:13

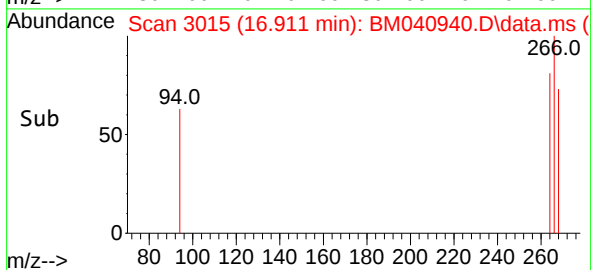
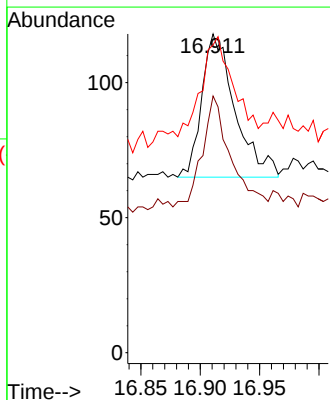
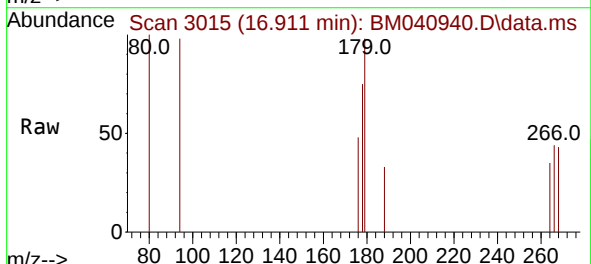
Instrument :
 BNA_M
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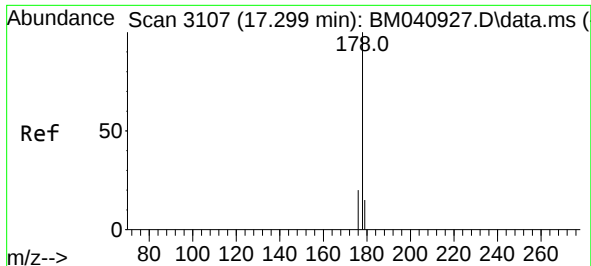
Tgt Ion:166	Resp:	6835
Ion Ratio	Lower	Upper
166	100	
165	103.5	79.6 119.4
167	16.7	11.4 17.0



#14
 Pentachlorophenol
 Concen: 0.029 ng/ul
 RT: 16.911 min Scan# 3015
 Delta R.T. -0.008 min
 Lab File: BM040940.D
 Acq: 18 Jul 2023 02:13

Tgt Ion:266	Resp:	103
Ion Ratio	Lower	Upper
266	100	
264	68.0	45.4 68.0
268	84.5	47.2 70.8#

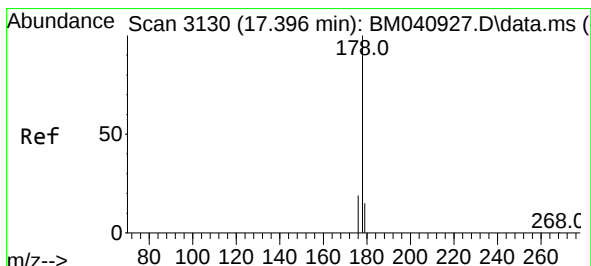
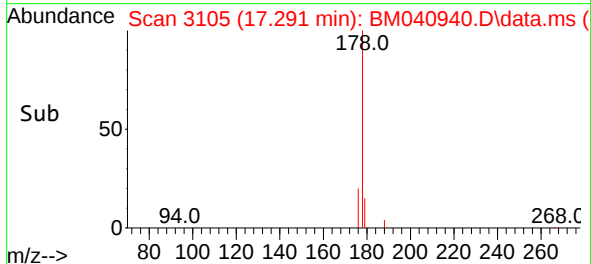
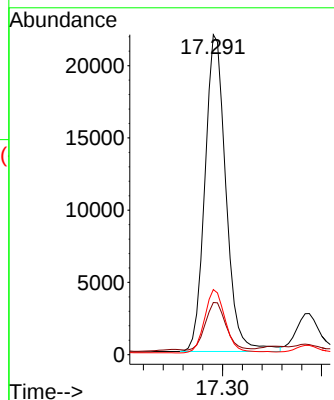
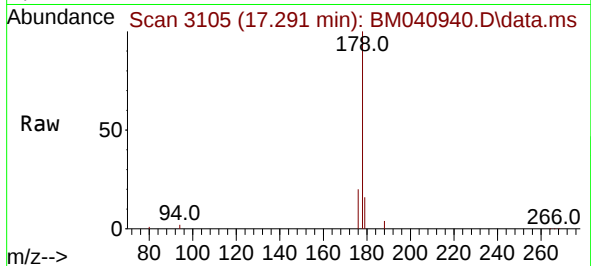




#15
Phenanthrene
Concen: 0.558 ng/ul
RT: 17.291 min Scan# 3105
Delta R.T. -0.013 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

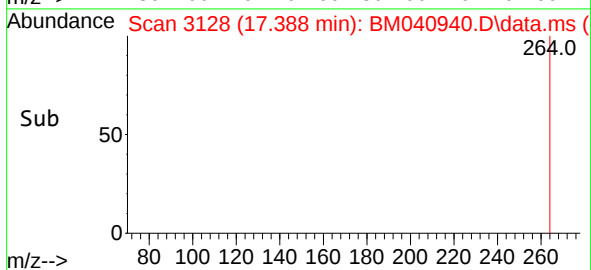
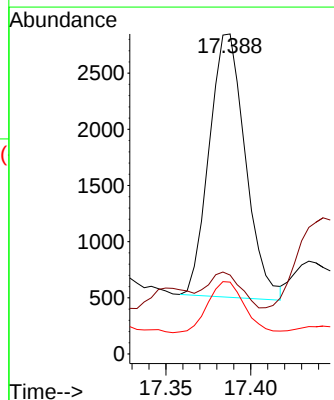
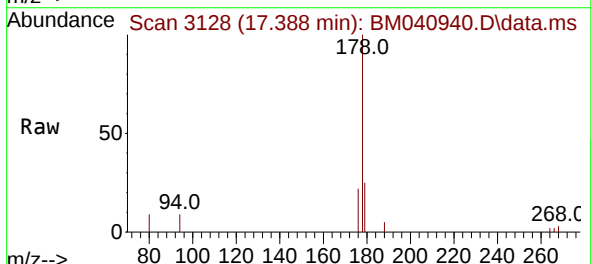
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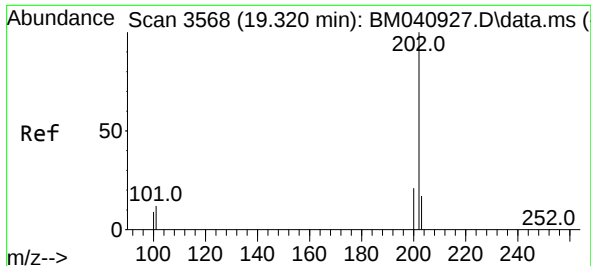
Tgt Ion:	178	Resp:	32362
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.8	19.2
176	20.4	16.4	24.6



#16
Anthracene
Concen: 0.071 ng/ul
RT: 17.388 min Scan# 3128
Delta R.T. -0.008 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Tgt Ion:	178	Resp:	3470
Ion Ratio	Lower	Upper	
178	100		
179	24.7	12.9	19.3#
176	22.5	15.8	23.6

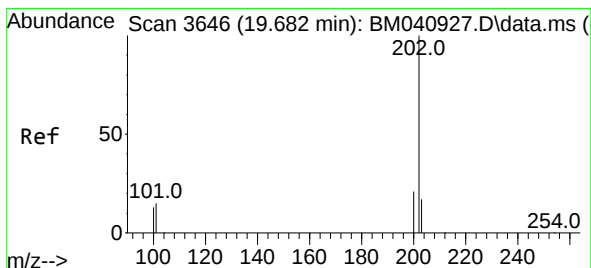
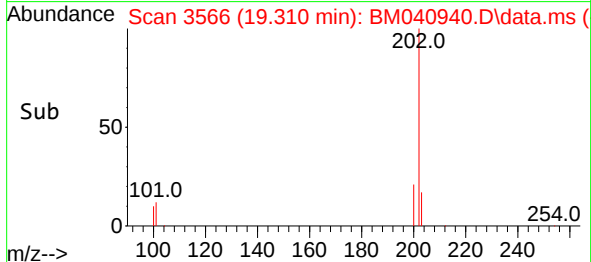
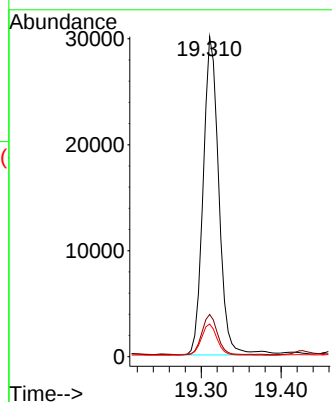
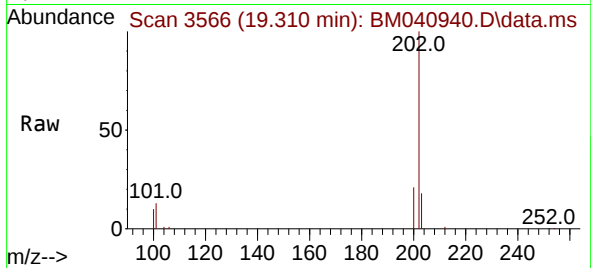




#19
Fluoranthene
Concen: 1.085 ng/ul
RT: 19.310 min Scan# 3566
Delta R.T. -0.014 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

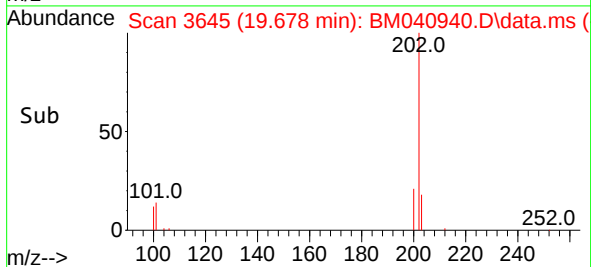
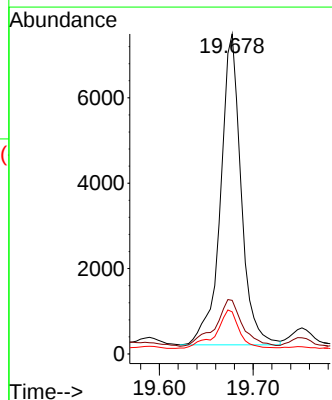
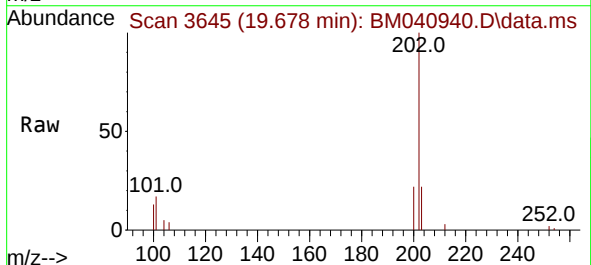
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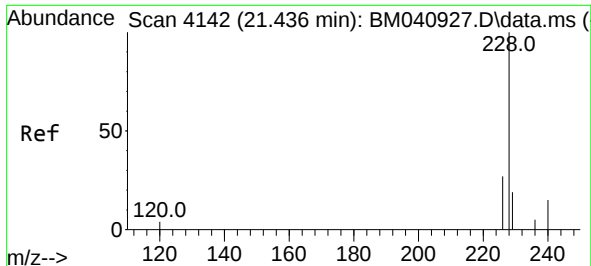
Tgt Ion:202 Resp: 40980
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 10.2 8.7 13.1



#20
Pyrene
Concen: 0.274 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. -0.009 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Tgt Ion:202 Resp: 11093
Ion Ratio Lower Upper
202 100
101 16.7 12.6 18.8
100 13.1 9.8 14.6

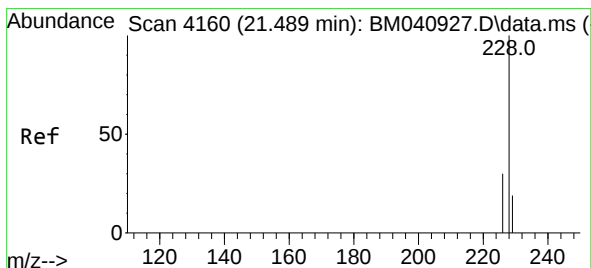
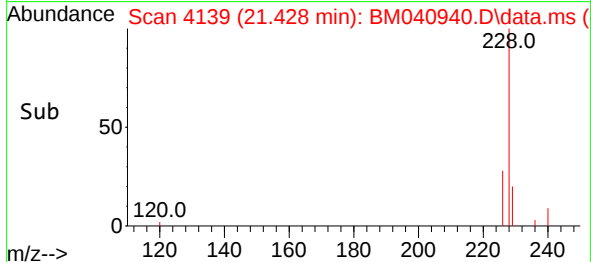
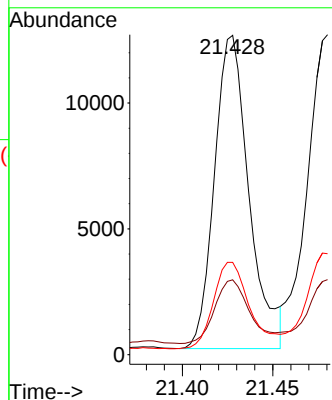
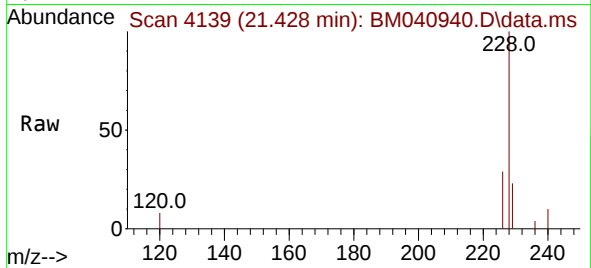




#21
Benzo(a)anthracene
Concen: 0.550 ng/ul
RT: 21.428 min Scan# 4119
Delta R.T. -0.006 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

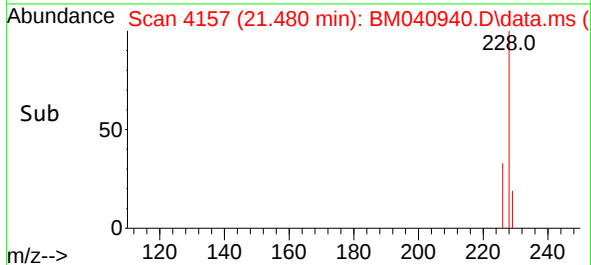
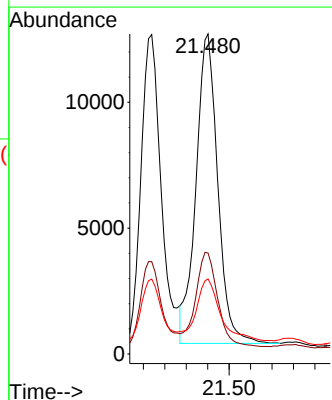
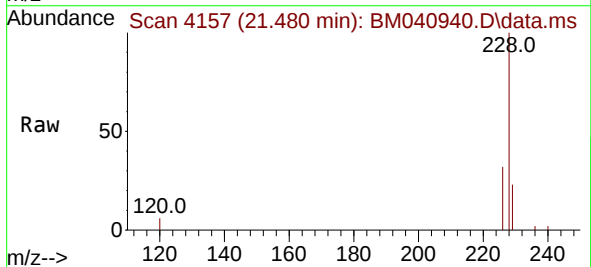
Instrument :
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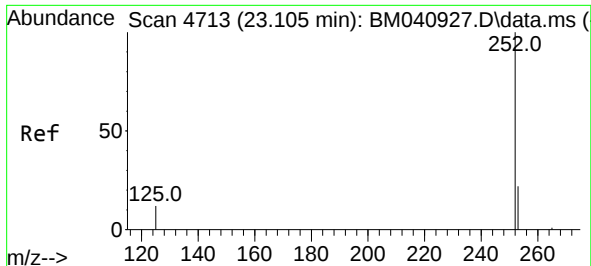
Tgt Ion:228 Resp: 16528
Ion Ratio Lower Upper
228 100
229 23.5 16.0 24.0
226 28.9 22.3 33.5



#22
Chrysene
Concen: 0.506 ng/ul
RT: 21.480 min Scan# 4157
Delta R.T. -0.006 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

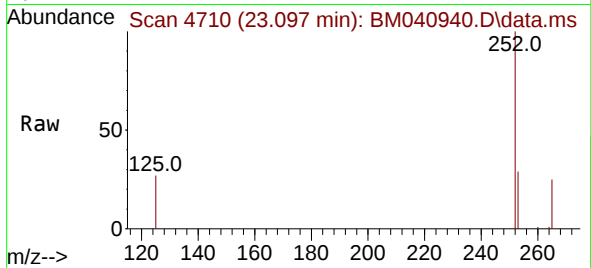
Tgt Ion:228 Resp: 17347
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 23.4 15.8 23.6



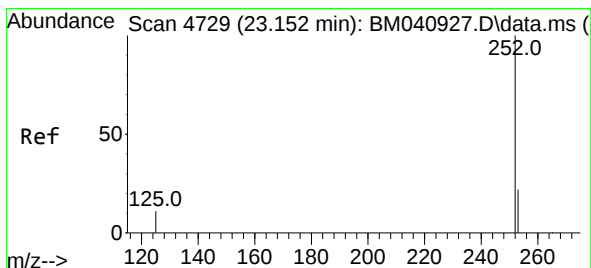
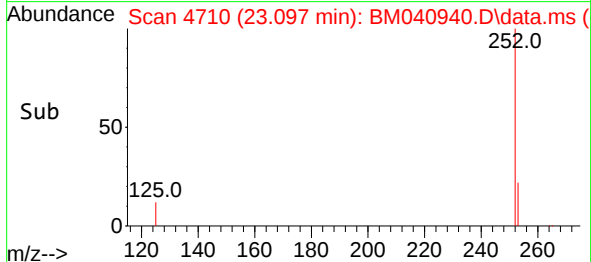
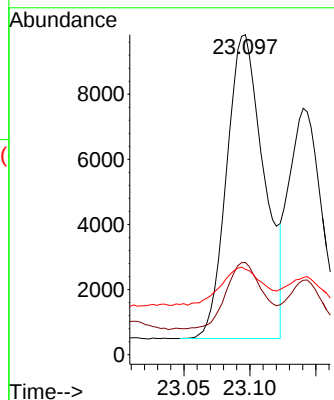


#24
Benzo(b)fluoranthene
Concen: 0.555 ng/ul
RT: 23.097 min Scan# 4710
Delta R.T. -0.006 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Instrument :
BNA_M
ClientSampleId :
A46K5MSD

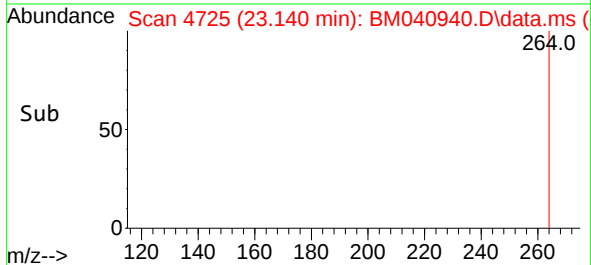
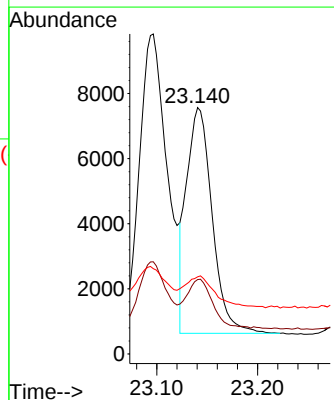
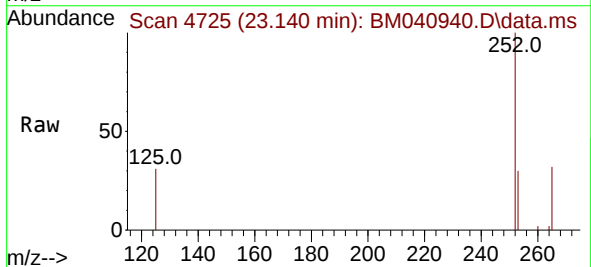


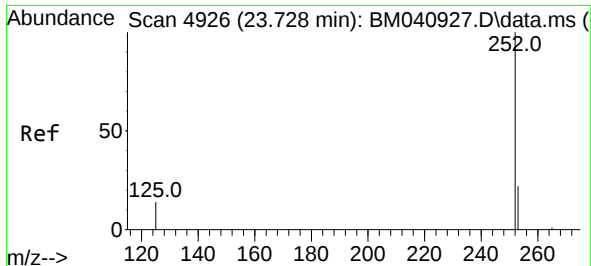
Tgt Ion:252 Resp: 18369
Ion Ratio Lower Upper
252 100
253 28.8 0.0 52.8
125 26.6 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.374 ng/ul
RT: 23.140 min Scan# 4725
Delta R.T. -0.009 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

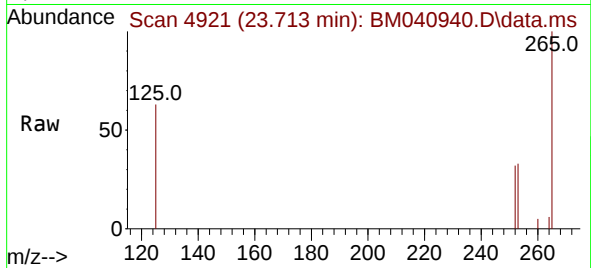
Tgt Ion:252 Resp: 12218
Ion Ratio Lower Upper
252 100
253 30.2 21.2 31.8
125 31.3 16.4 24.6#



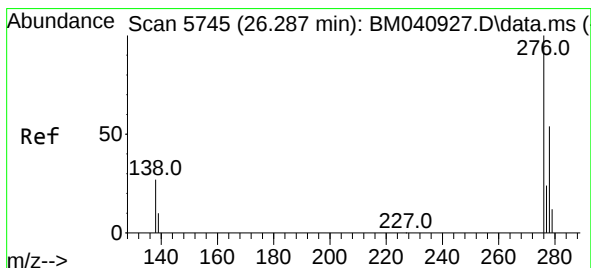
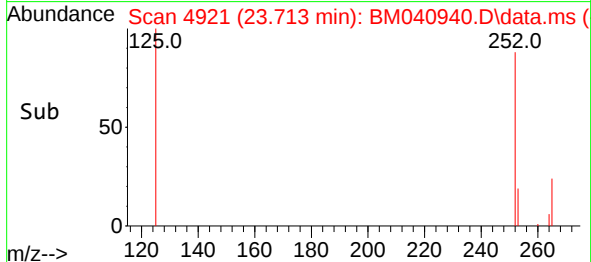
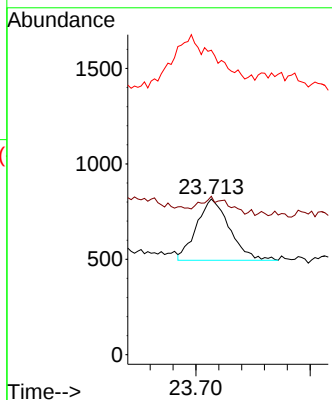


#26
Benzo(a)pyrene
Concen: 0.021 ng/ul
RT: 23.713 min Scan# 4921
Delta R.T. -0.009 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

Instrument :
BNA_M
ClientSampleId :
A46K5MSD

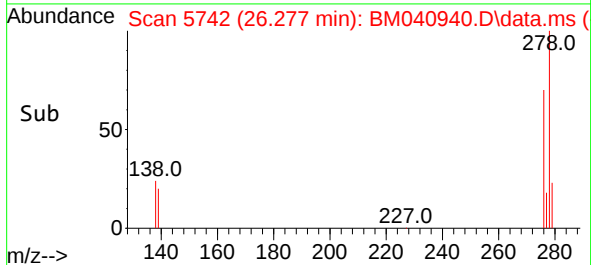
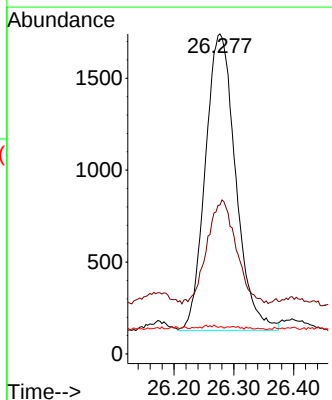
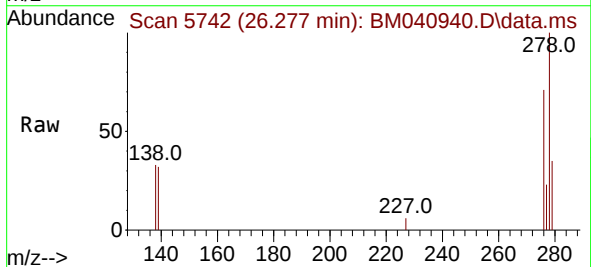


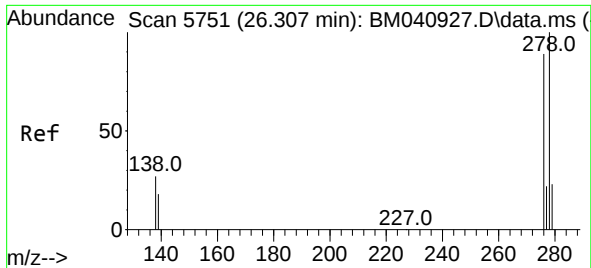
Tgt Ion:252 Resp: 641
Ion Ratio Lower Upper
252 100
253 101.7 22.9 34.3#
125 195.6 21.0 31.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.137 ng/ul
RT: 26.277 min Scan# 5742
Delta R.T. -0.013 min
Lab File: BM040940.D
Acq: 18 Jul 2023 02:13

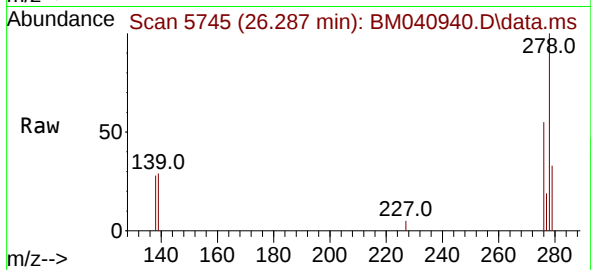
Tgt Ion:276 Resp: 5683
Ion Ratio Lower Upper
276 100
138 33.6 24.5 36.7
227 0.0 0.1 0.1#





#28
 Dibenzo(a,h)anthracene
 Concen: 0.275 ng/ul
 RT: 26.287 min Scan# 51
 Delta R.T. -0.020 min
 Lab File: BM040940.D
 Acq: 18 Jul 2023 02:13

Instrument :
 BNA_M
 ClientSampleId :
 A46K5MSD



Tgt Ion:278 Resp: 8940
 Ion Ratio Lower Upper
 278 100
 139 28.7 17.9 26.9#
 279 32.8 22.0 33.0

