

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038585.D
 Acq On : 27 Jan 2023 14:25
 Operator : CG/JU
 Sample : 01226-10MSD
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX9G4MSD

Quant Time: Jan 27 21:59:54 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 27 00:18:15 2023
 Response via : Initial Calibration

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

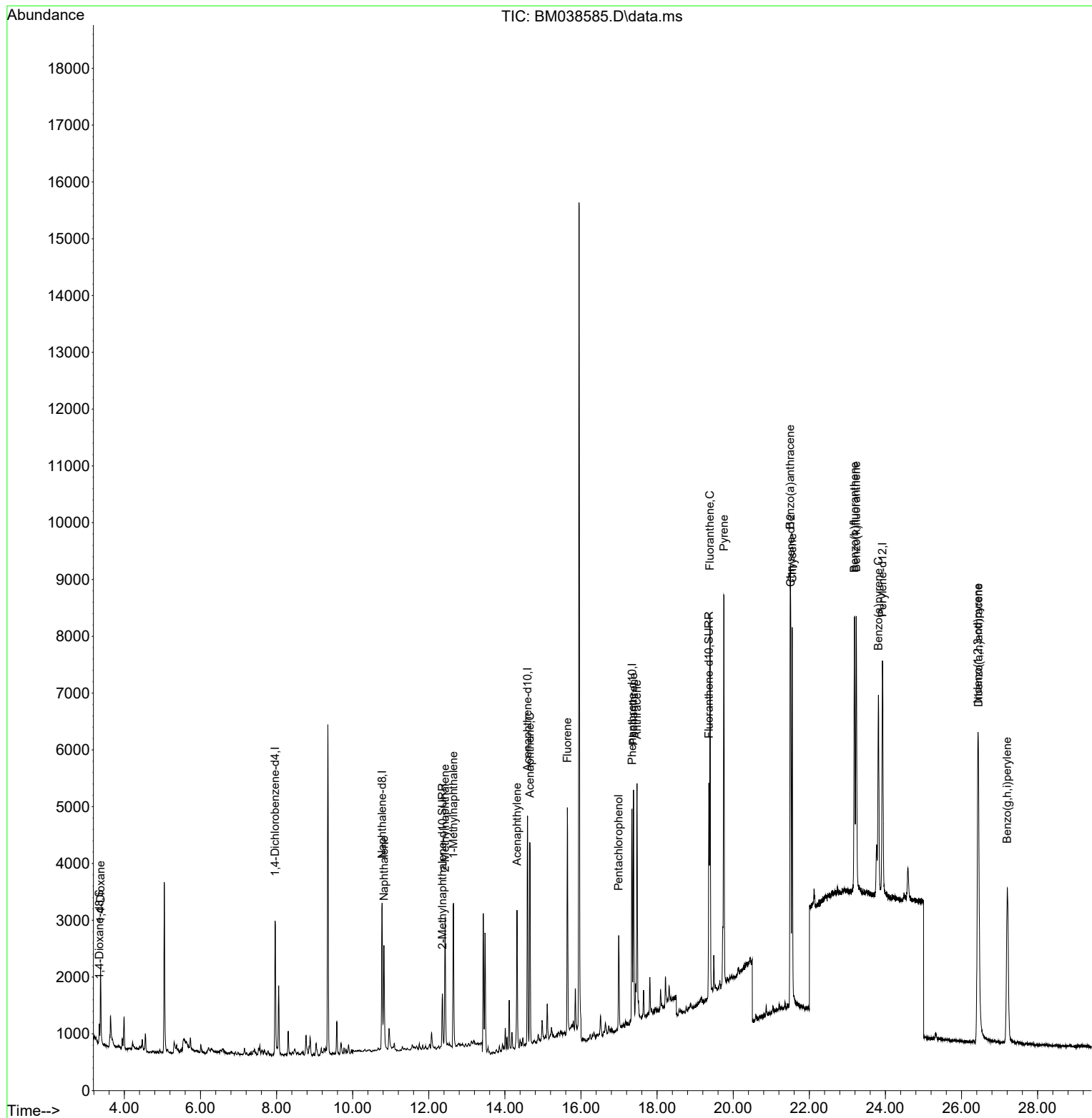
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	1291	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	3769	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.597	164	2248	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.341	188	4903	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.512	240	5260	0.400	ng/ul	# 0.00
23) Perylene-d12	23.921	264	5894	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	245	0.145	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	1337	0.229	ng/ul	0.00
18) Fluoranthene-d10	19.362	212	4143	0.276	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	982	0.571	ng/ul#	25
5) Naphthalene	10.823	128	2523	0.206	ng/ul	98
7) 2-Methylnaphthalene	12.429	142	1620	0.250	ng/ul	95
8) 1-Methylnaphthalene	12.649	142	1723	0.258	ng/ul	100
10) Acenaphthylene	14.319	152	2847	0.287	ng/ul	93
11) Acenaphthene	14.657	153	2011	0.266	ng/ul	98
12) Fluorene	15.642	166	2491	0.264	ng/ul#	96
14) Pentachlorophenol	16.991	266	1182	0.592	ng/ul	99
15) Phenanthrene	17.379	178	4331	0.273	ng/ul#	94
16) Anthracene	17.472	178	4509	0.334	ng/ul	94
19) Fluoranthene	19.389	202	5815	0.310	ng/ul#	91
20) Pyrene	19.757	202	6311	0.313	ng/ul#	96
21) Benzo(a)anthracene	21.498	228	5877	0.314	ng/ul	93
22) Chrysene	21.550	228	5813	0.310	ng/ul	93
24) Benzo(b)fluoranthene	23.184	252	6643	0.299	ng/ul	88
25) Benzo(k)fluoranthene	23.234	252	6446	0.299	ng/ul#	88
26) Benzo(a)pyrene	23.816	252	5685	0.285	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.428	276	8084	0.288	ng/ul#	65
28) Dibenzo(a,h)anthracene	26.444	278	6577	0.295	ng/ul#	91
29) Benzo(g,h,i)perylene	27.202	276	6936	0.285	ng/ul	97

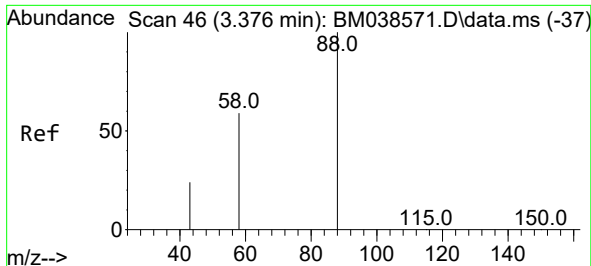
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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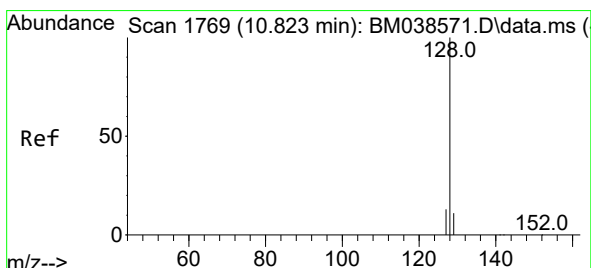
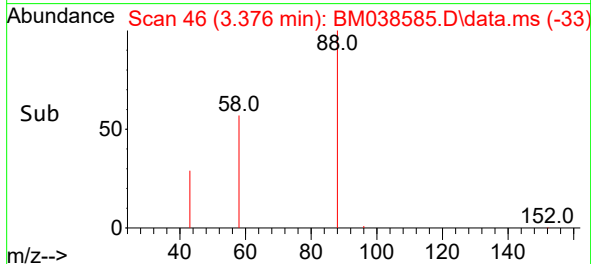
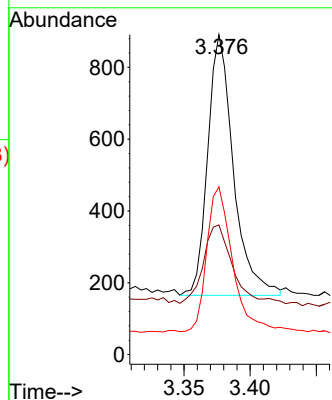
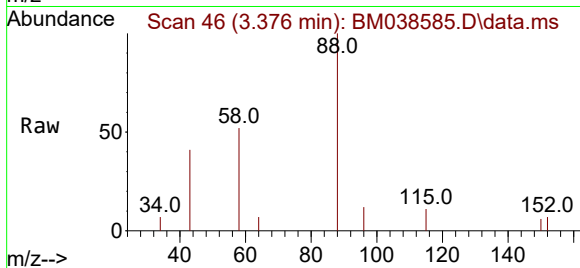




#2
1,4-Dioxane
Concen: 0.571 ng/ul
RT: 3.376 min Scan# 46
Delta R.T. -0.004 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

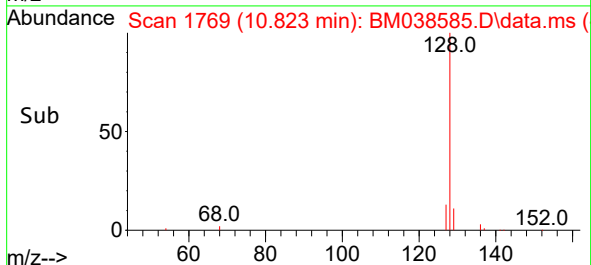
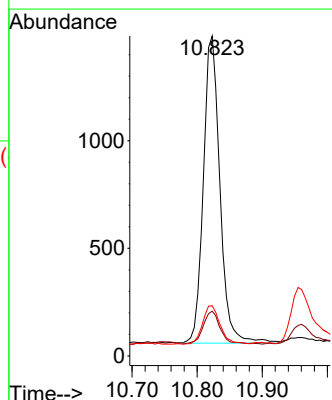
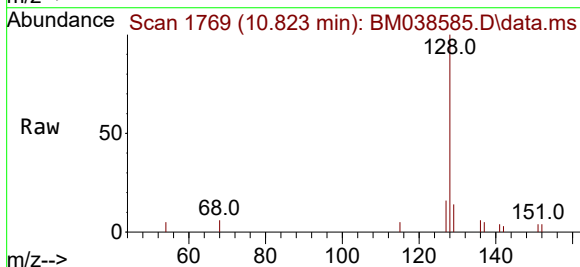
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

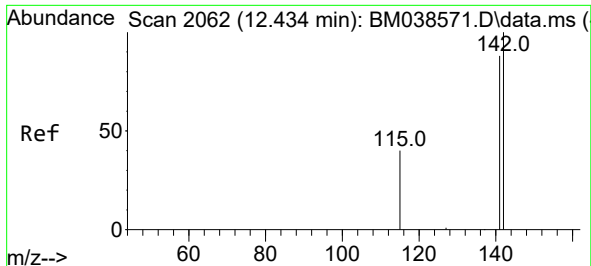
Tgt Ion: 88 Resp: 982
Ion Ratio Lower Upper
88 100
43 40.5 141.3 211.9#
58 52.4 45.7 68.5



#5
Naphthalene
Concen: 0.206 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion: 128 Resp: 2523
Ion Ratio Lower Upper
128 100
129 14.0 10.3 15.5
127 15.7 11.9 17.9

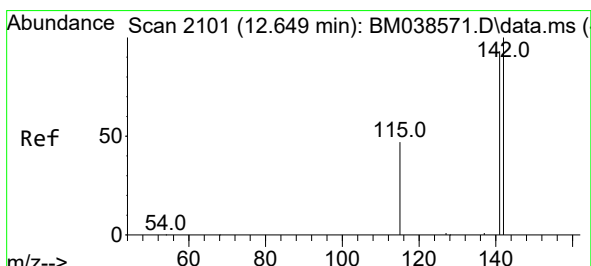
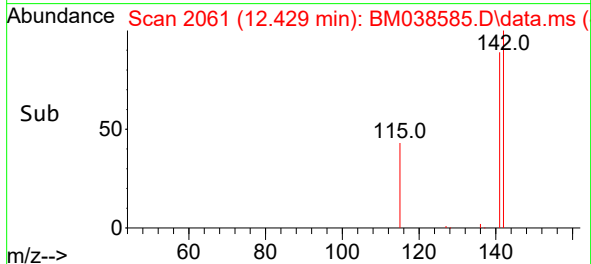
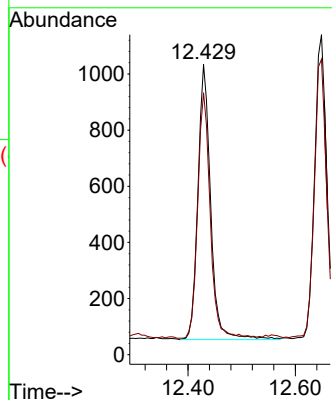
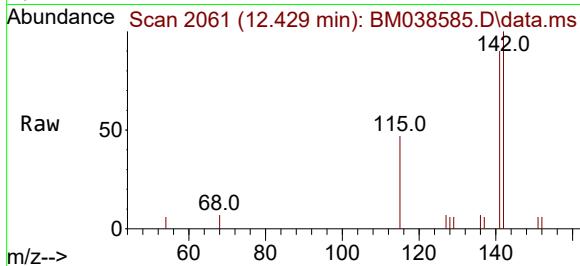




#7
2-Methylnaphthalene
Concen: 0.250 ng/ul
RT: 12.429 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

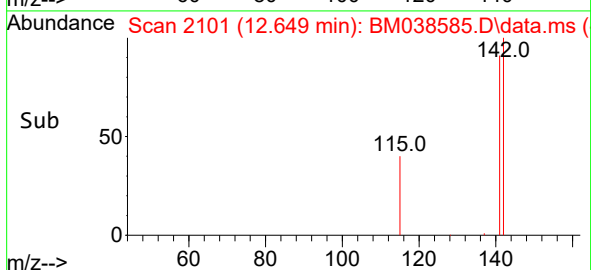
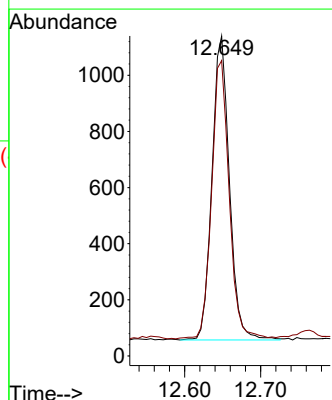
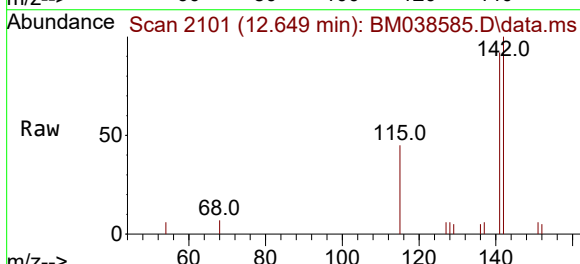
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

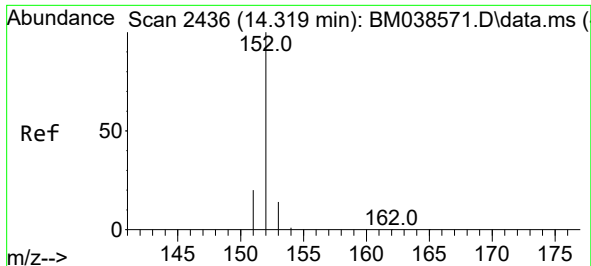
Tgt Ion:142 Resp: 1620
Ion Ratio Lower Upper
142 100
141 87.3 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.258 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:142 Resp: 1723
Ion Ratio Lower Upper
142 100
141 92.6 74.0 111.0

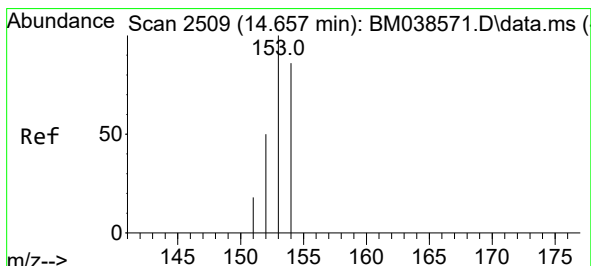
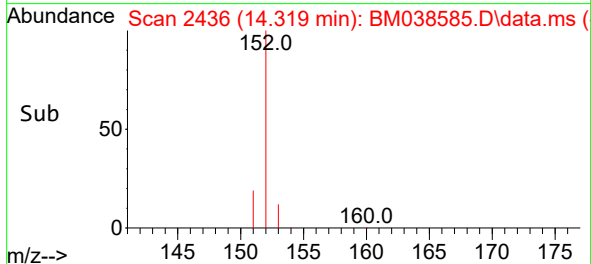
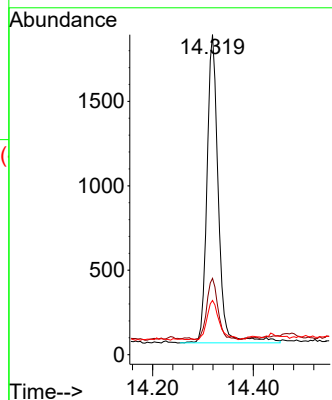
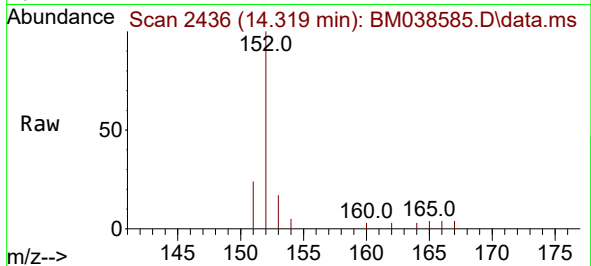




#10
Acenaphthylene
Concen: 0.287 ng/ul
RT: 14.319 min Scan# 2436
Delta R.T. -0.005 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

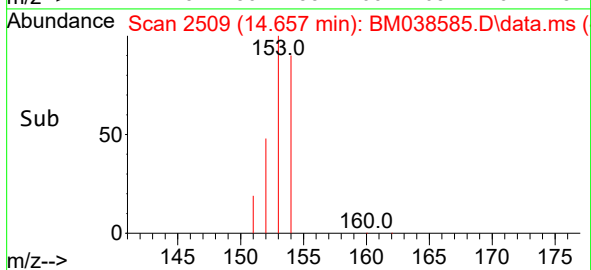
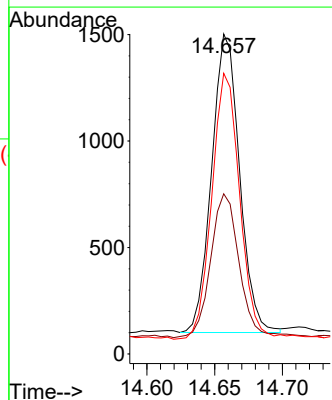
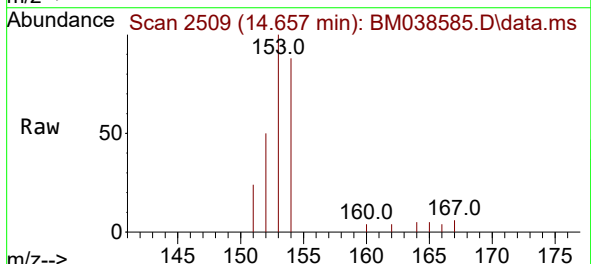
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

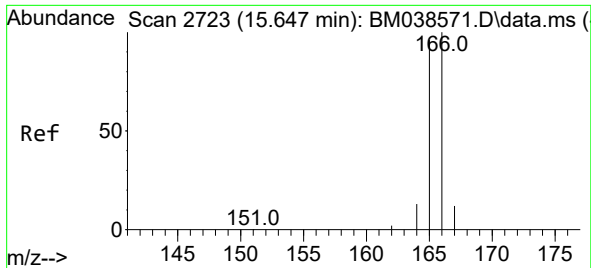
Tgt Ion:	152	Resp:	2847
Ion Ratio	Lower	Upper	
152	100		
151	23.9	16.3	24.5
153	16.9	11.8	17.6



#11
Acenaphthene
Concen: 0.266 ng/ul
RT: 14.657 min Scan# 2509
Delta R.T. -0.005 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:	153	Resp:	2011
Ion Ratio	Lower	Upper	
153	100		
152	50.0	40.1	60.1
154	87.7	68.4	102.6

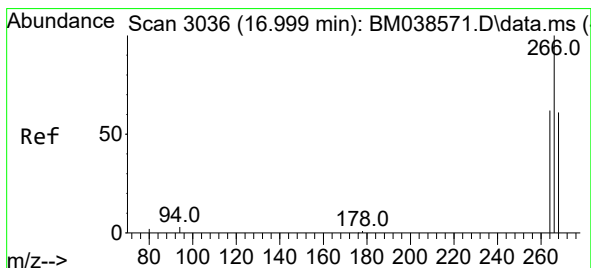
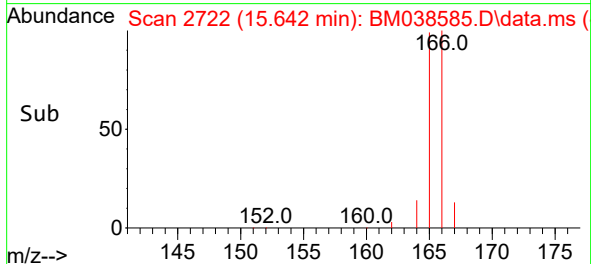
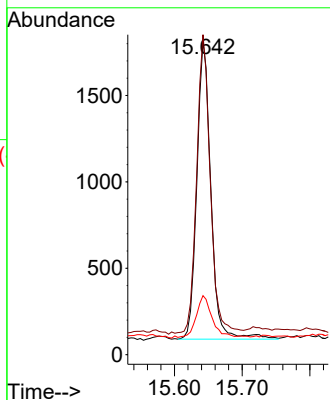
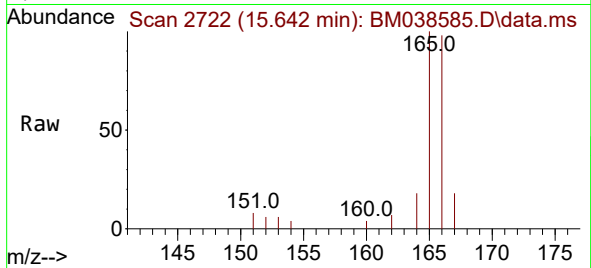




#12
Fluorene
Concen: 0.264 ng/ul
RT: 15.642 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

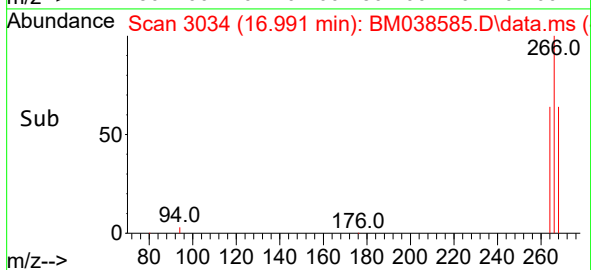
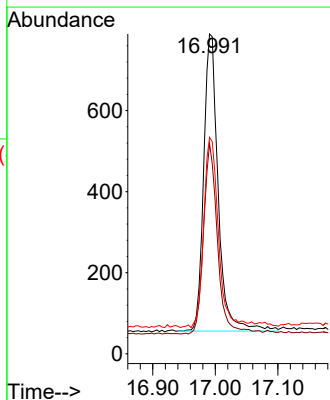
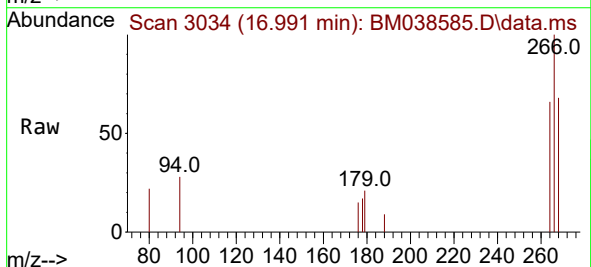
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

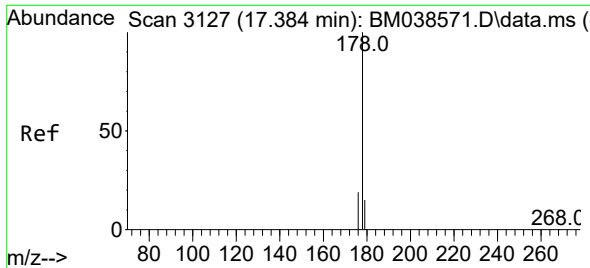
Tgt Ion:166 Resp: 2491
Ion Ratio Lower Upper
166 100
165 102.1 79.3 118.9
167 18.8 11.9 17.9#



#14
Pentachlorophenol
Concen: 0.592 ng/ul
RT: 16.991 min Scan# 3034
Delta R.T. -0.009 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:266 Resp: 1182
Ion Ratio Lower Upper
266 100
264 61.6 49.4 74.2
268 65.3 51.7 77.5

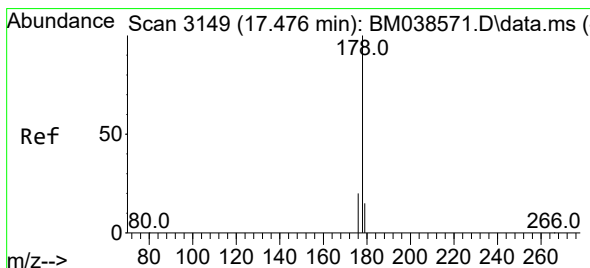
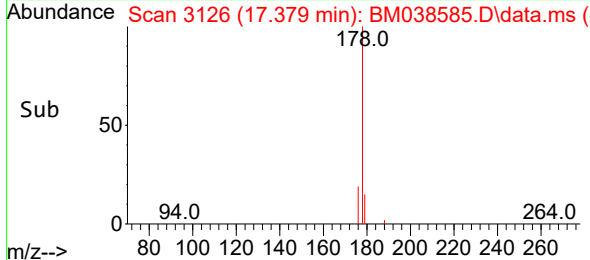
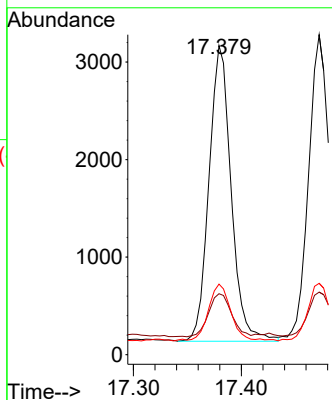
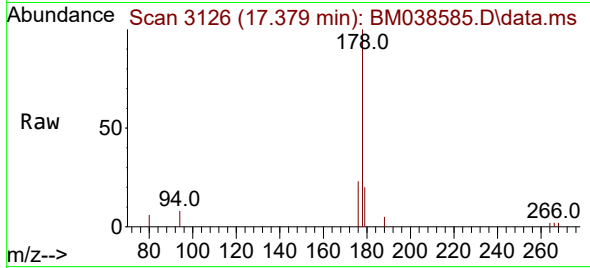




#15
Phenanthrene
Concen: 0.273 ng/ul
RT: 17.379 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

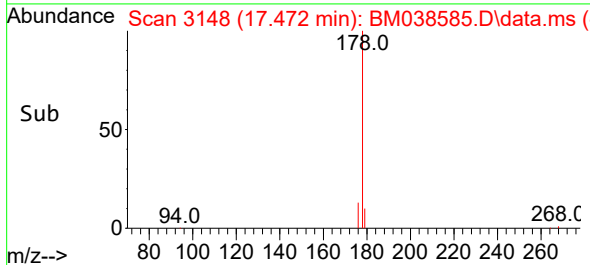
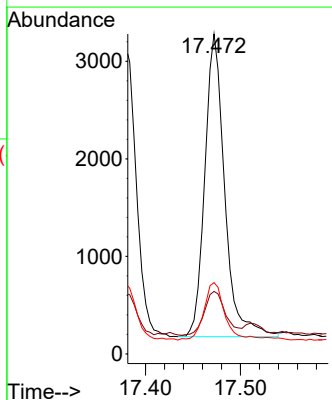
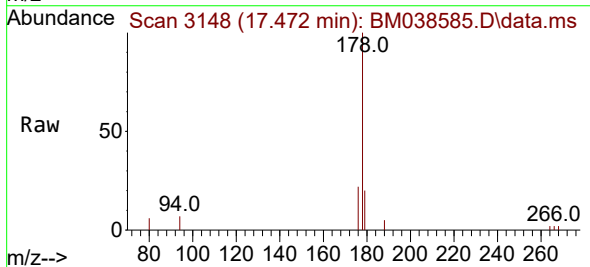
Instrument :
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ClientSampleId :
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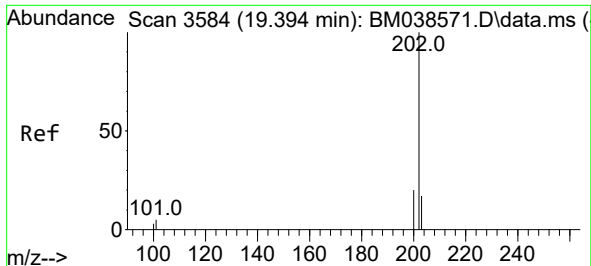
Tgt Ion:178 Resp: 4331
Ion Ratio Lower Upper
178 100
179 19.7 13.0 19.4#
176 22.8 16.4 24.6



#16
Anthracene
Concen: 0.334 ng/ul
RT: 17.472 min Scan# 3148
Delta R.T. -0.004 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:178 Resp: 4509
Ion Ratio Lower Upper
178 100
179 19.6 13.2 19.8
176 22.3 16.2 24.4

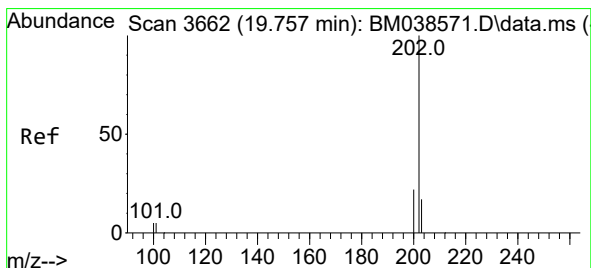
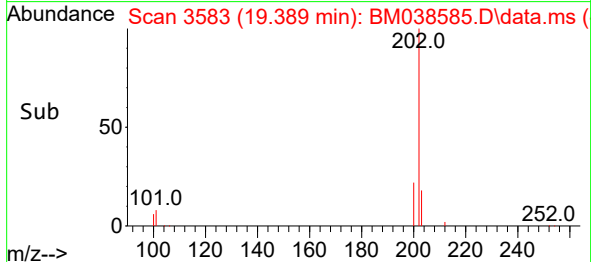
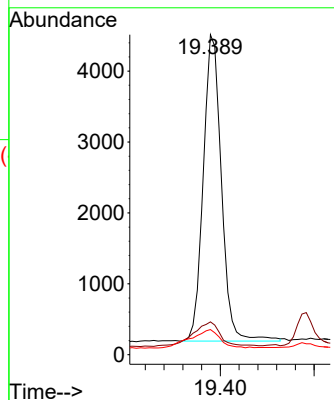
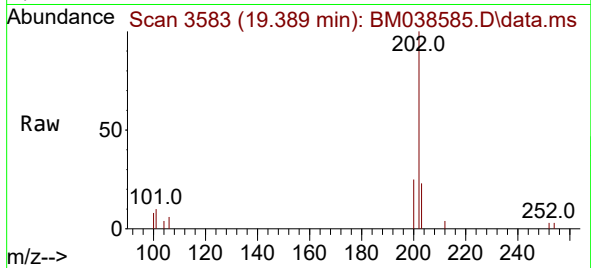




#19
Fluoranthene
Concen: 0.310 ng/ul
RT: 19.389 min Scan# 3583
Delta R.T. -0.005 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

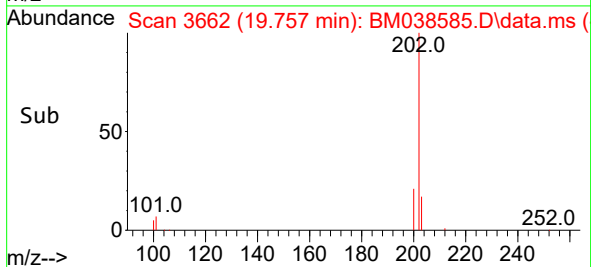
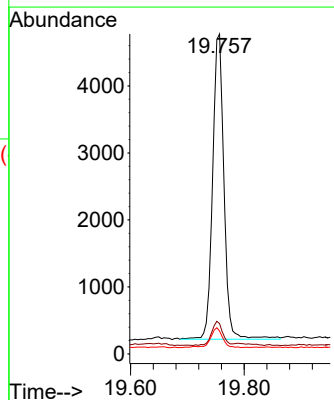
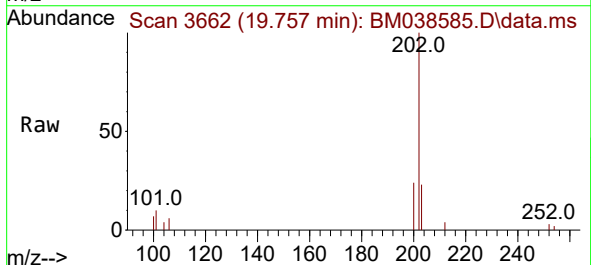
Instrument :
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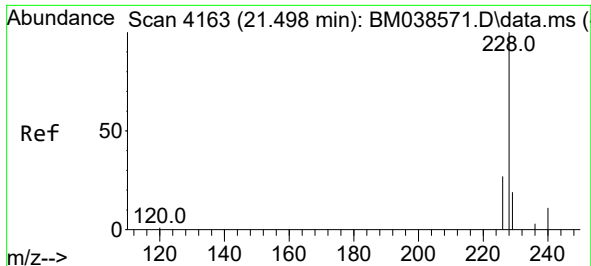
Tgt Ion:202 Resp: 5815
Ion Ratio Lower Upper
202 100
101 10.2 5.3 7.9#
100 7.9 4.2 6.2#



#20
Pyrene
Concen: 0.313 ng/ul
RT: 19.757 min Scan# 3662
Delta R.T. -0.000 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

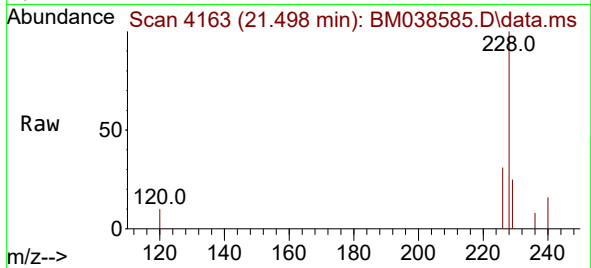
Tgt Ion:202 Resp: 6311
Ion Ratio Lower Upper
202 100
101 9.5 5.9 8.9#
100 7.1 5.2 7.8



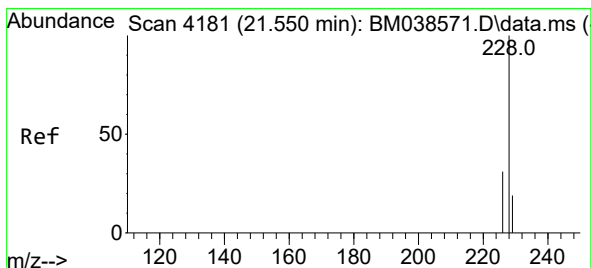
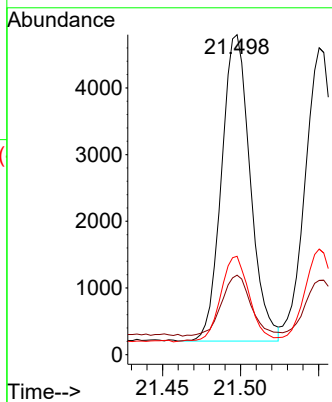
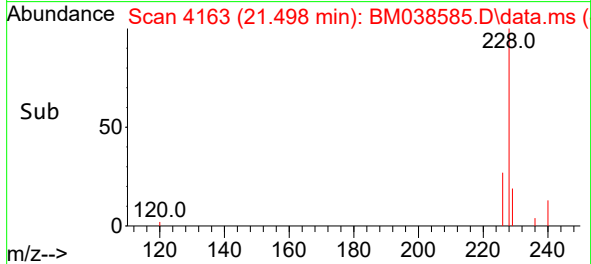


#21
Benzo(a)anthracene
Concen: 0.314 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

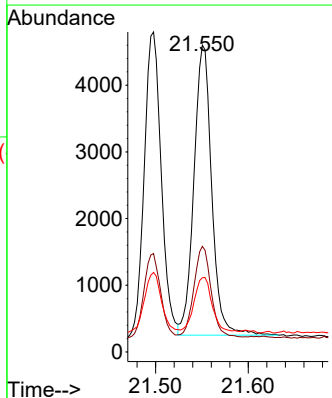
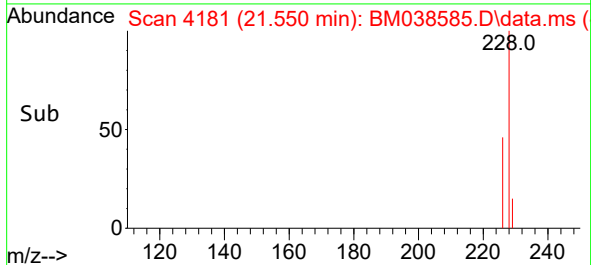
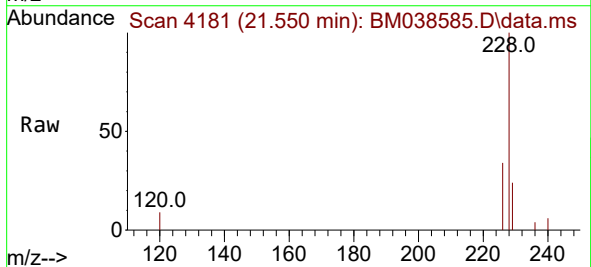


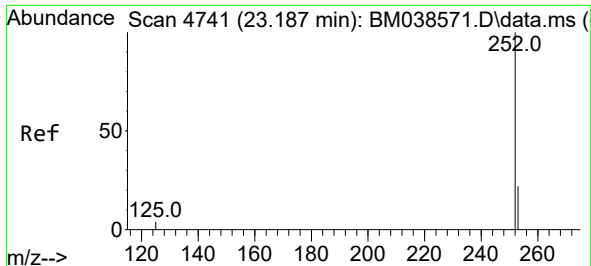
Tgt Ion:228 Resp: 5877
Ion Ratio Lower Upper
228 100
229 24.9 16.7 25.1
226 30.7 22.2 33.4



#22
Chrysene
Concen: 0.310 ng/ul
RT: 21.550 min Scan# 4181
Delta R.T. -0.003 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:228 Resp: 5813
Ion Ratio Lower Upper
228 100
226 34.4 24.6 36.8
229 24.2 16.2 24.4

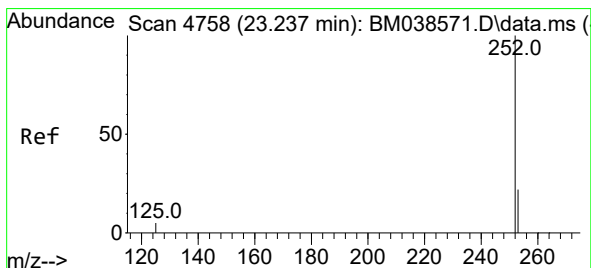
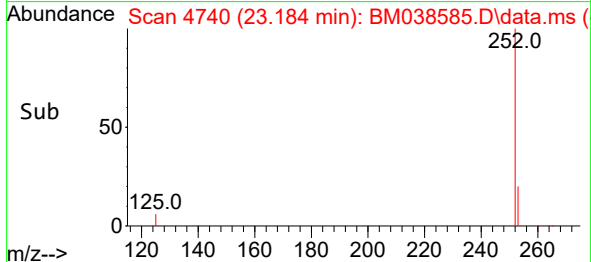
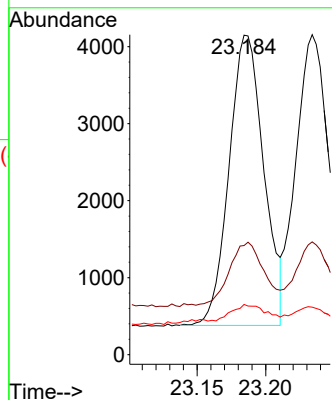
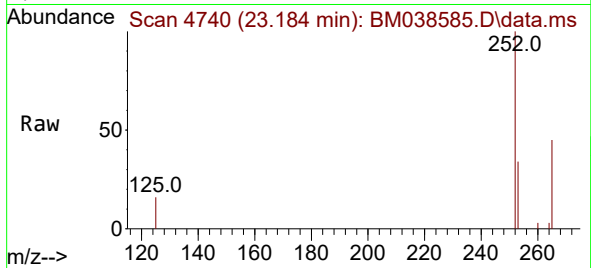




#24
Benzo(b)fluoranthene
Concen: 0.299 ng/ul
RT: 23.184 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

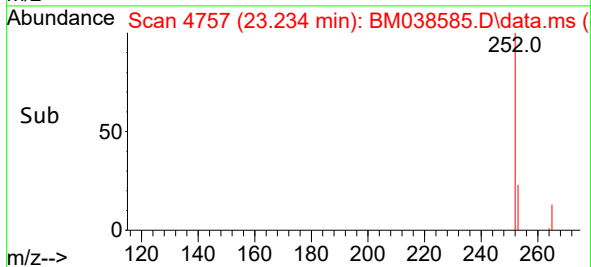
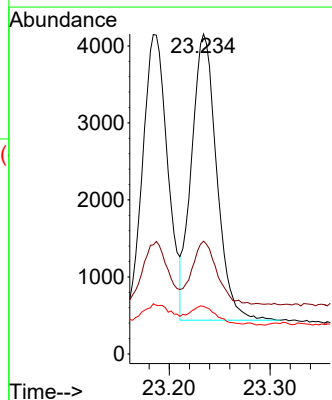
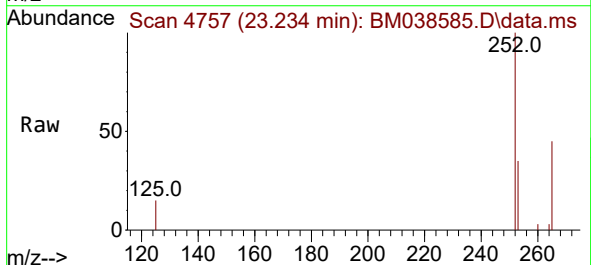
Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

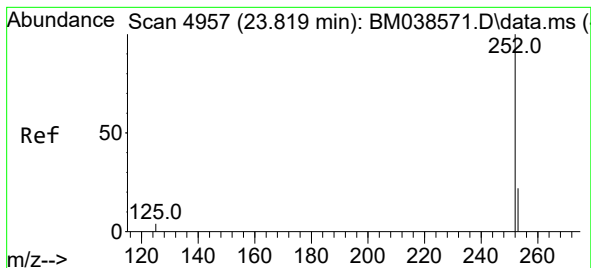
Tgt Ion:252 Resp: 6643
Ion Ratio Lower Upper
252 100
253 34.1 0.0 56.6
125 15.7 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.299 ng/ul
RT: 23.234 min Scan# 4757
Delta R.T. -0.006 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:252 Resp: 6446
Ion Ratio Lower Upper
252 100
253 35.2 23.1 34.7#
125 14.8 8.4 12.6#





#26

Benzo(a)pyrene

Concen: 0.285 ng/ul

RT: 23.816 min Scan# 4957

Delta R.T. -0.006 min

Lab File: BM038585.D

Acq: 27 Jan 2023 14:25

Instrument :

BNA_M

ClientSampleId :

EX9G4MSD

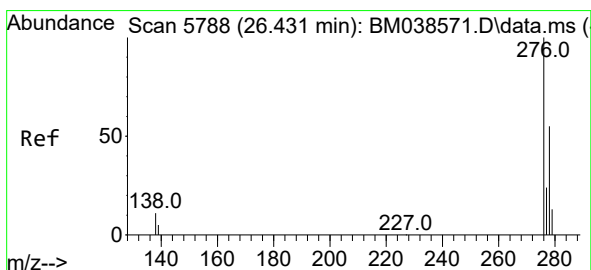
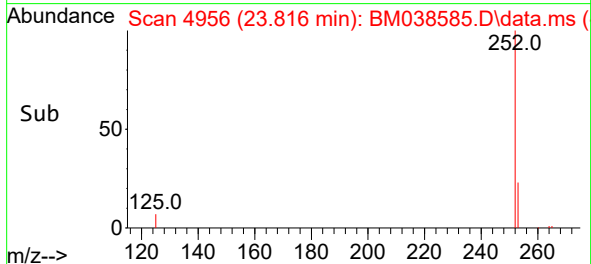
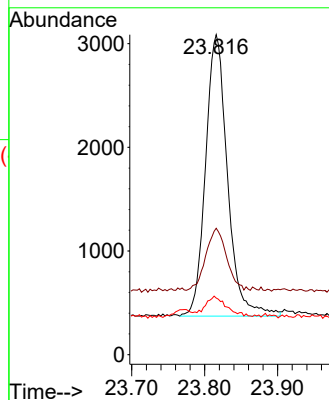
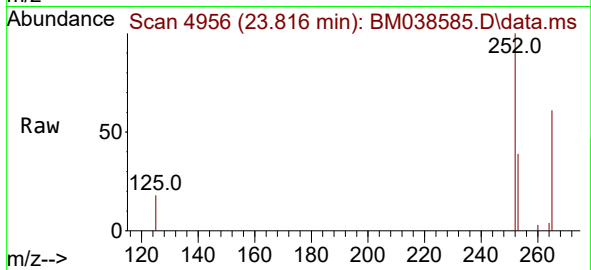
Tgt Ion:252 Resp: 5685

Ion Ratio Lower Upper

252 100

253 39.5 25.1 37.7#

125 17.7 10.0 15.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.288 ng/ul

RT: 26.428 min Scan# 5787

Delta R.T. -0.014 min

Lab File: BM038585.D

Acq: 27 Jan 2023 14:25

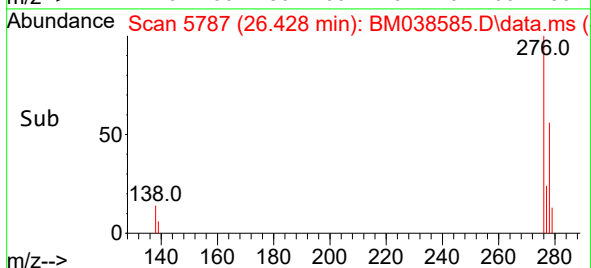
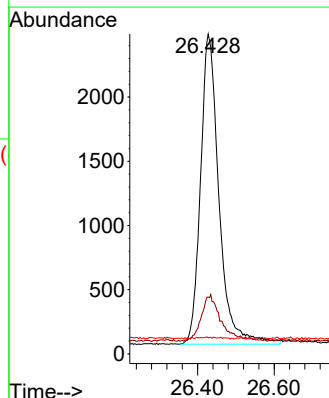
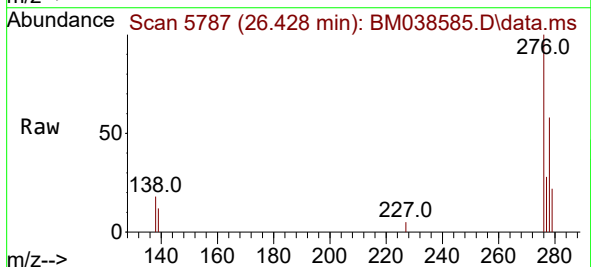
Tgt Ion:276 Resp: 8084

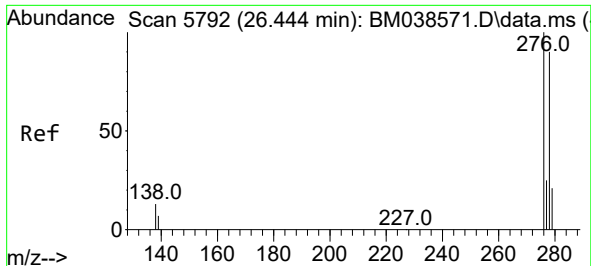
Ion Ratio Lower Upper

276 100

138 0.0 11.7 17.5#

227 0.1 0.3 0.5#

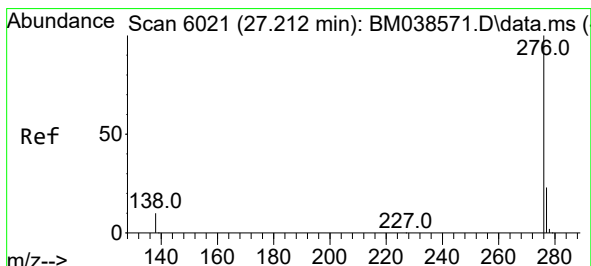
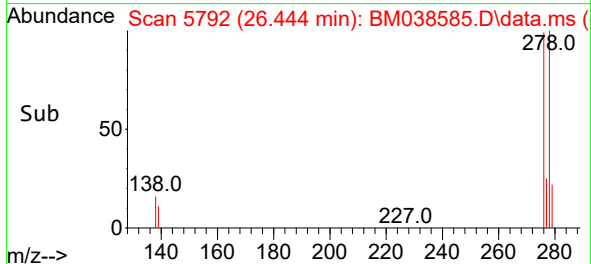
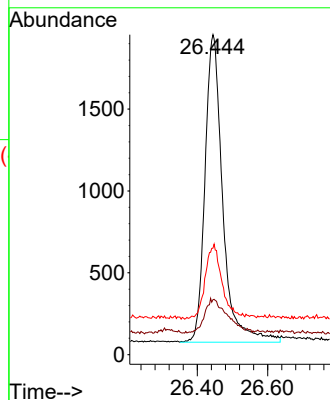
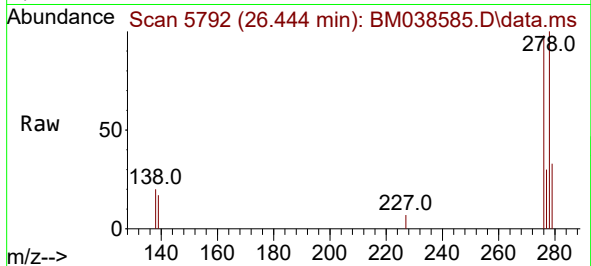




#28
Dibenzo(a,h)anthracene
Concen: 0.295 ng/ul
RT: 26.444 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Instrument :
BNA_M
ClientSampleId :
EX9G4MSD

Tgt Ion:278 Resp: 6577
Ion Ratio Lower Upper
278 100
139 17.2 9.8 14.8#
279 33.3 23.3 34.9



#29
Benzo(g,h,i)perylene
Concen: 0.285 ng/ul
RT: 27.202 min Scan# 6018
Delta R.T. -0.017 min
Lab File: BM038585.D
Acq: 27 Jan 2023 14:25

Tgt Ion:276 Resp: 6936
Ion Ratio Lower Upper
276 100
138 16.4 12.6 19.0
277 27.6 20.5 30.7

