

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
 Data File : BM040955.D
 Acq On : 18 Jul 2023 16:33
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 18 22:27:11 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 : Tue Jul 18 22:24:09 2023
 Response via : Initial Calibration

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

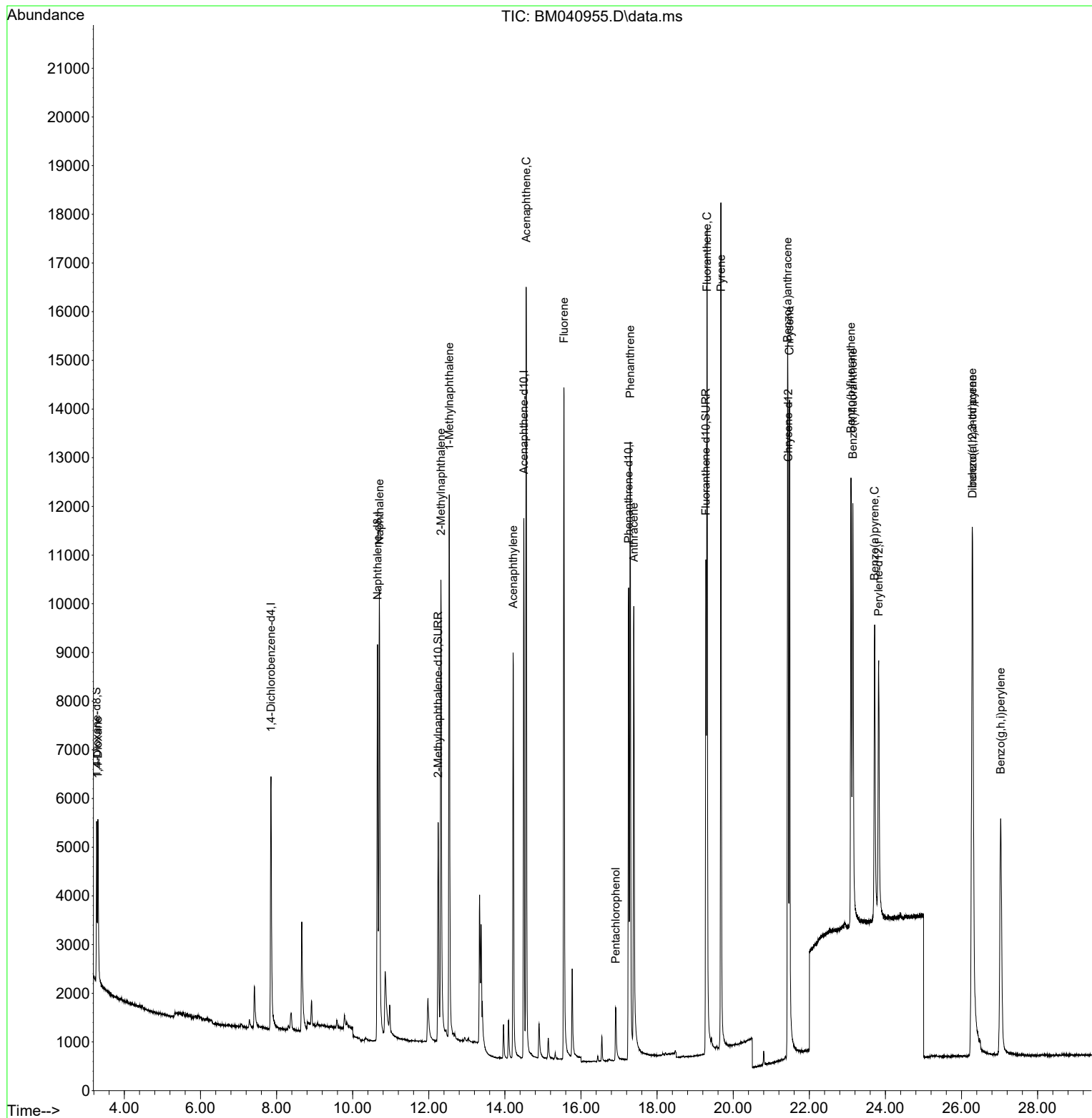
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	3352	0.400	ng/ul	0.00
4) Naphthalene-d8	10.653	136	12591	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.500	164	6353	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	12458	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	8468	0.400	ng/ul	# 0.00
23) Perylene-d12	23.822	264	8145	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.271	96	2073	0.394	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	7338	0.416	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	12229	0.450	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.309	88	2221	0.414	ng/ul#	82
5) Naphthalene	10.702	128	13994	0.403	ng/ul	99
7) 2-Methylnaphthalene	12.319	142	8362	0.410	ng/ul	98
8) 1-Methylnaphthalene	12.539	142	8470	0.416	ng/ul	98
10) Acenaphthylene	14.217	152	10984	0.387	ng/ul	99
11) Acenaphthene	14.560	153	9431	0.394	ng/ul	98
12) Fluorene	15.550	166	9988	0.390	ng/ul	100
14) Pentachlorophenol	16.915	266	1039	0.433	ng/ul	90
15) Phenanthrene	17.295	178	14863	0.384	ng/ul	100
16) Anthracene	17.388	178	12206	0.375	ng/ul	99
19) Fluoranthene	19.315	202	15490	0.431	ng/ul	97
20) Pyrene	19.678	202	15925	0.413	ng/ul	98
21) Benzo(a)anthracene	21.428	228	11644	0.407	ng/ul	99
22) Chrysene	21.480	228	12473	0.382	ng/ul	99
24) Benzo(b)fluoranthene	23.097	252	12131	0.385	ng/ul	97
25) Benzo(k)fluoranthene	23.143	252	12264	0.395	ng/ul	99
26) Benzo(a)pyrene	23.717	252	10670	0.376	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.280	276	15298	0.387	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.290	278	12946	0.418	ng/ul	98
29) Benzo(g,h,i)perylene	27.028	276	11735	0.339	ng/ul	98

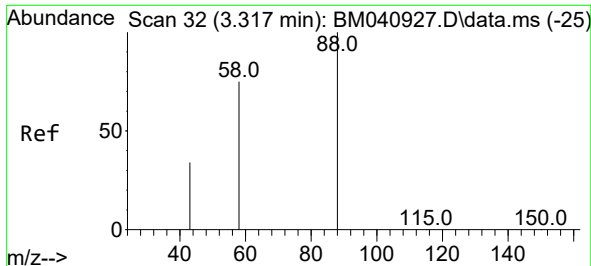
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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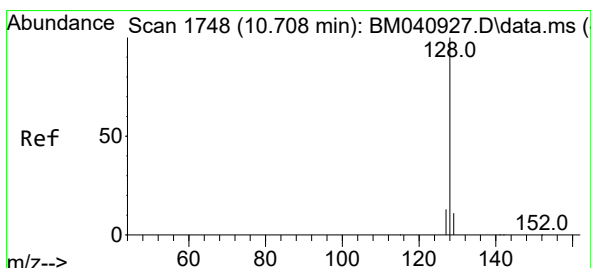
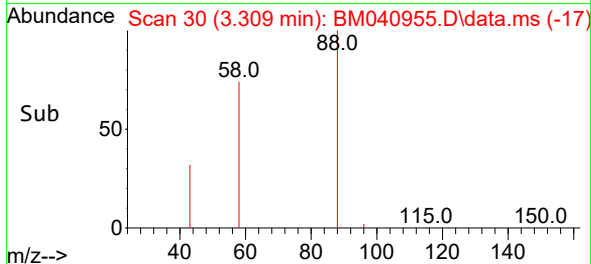
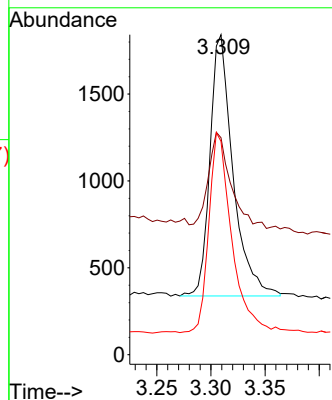
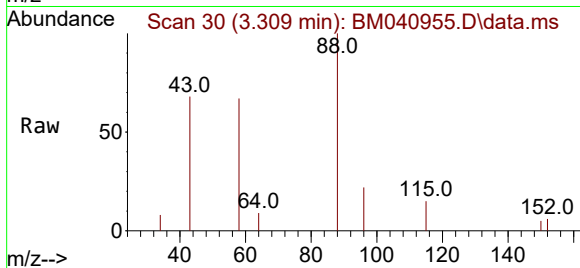




#2
1,4-Dioxane
Concen: 0.414 ng/ul
RT: 3.309 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

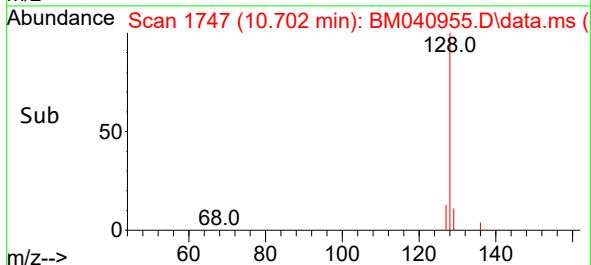
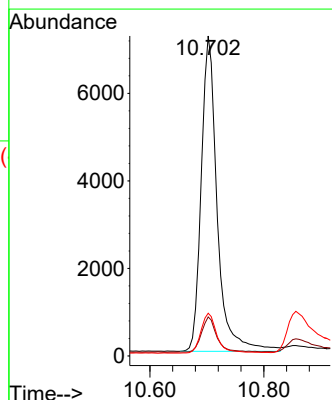
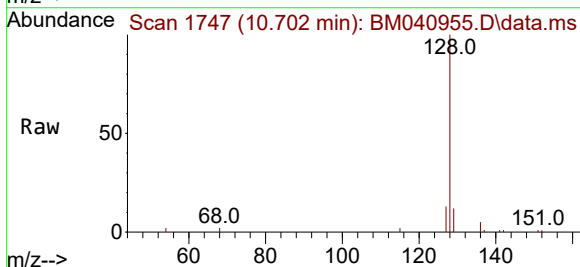
Instrument :
BNA_M
ClientSampleId :

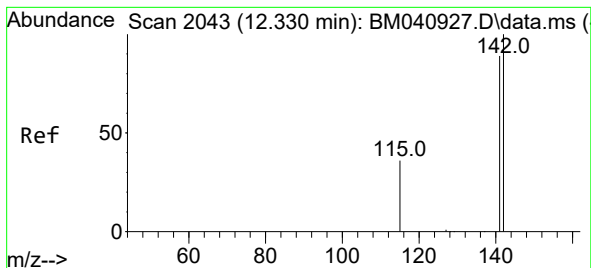
Tgt Ion: 88 Resp: 2221
Ion Ratio Lower Upper
88 100
43 67.8 36.1 54.1#
58 66.7 49.8 74.8



#5
Naphthalene
Concen: 0.403 ng/ul
RT: 10.702 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion: 128 Resp: 13994
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 13.3 10.6 15.8

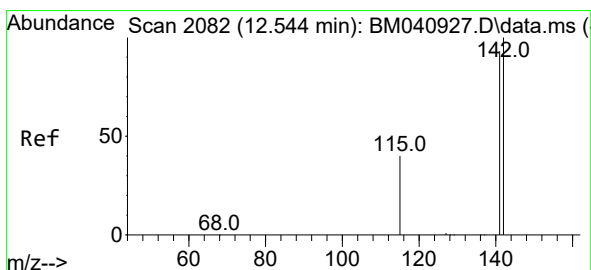
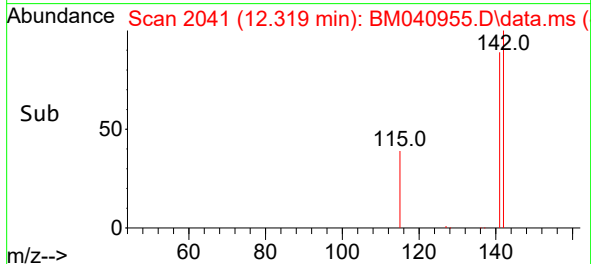
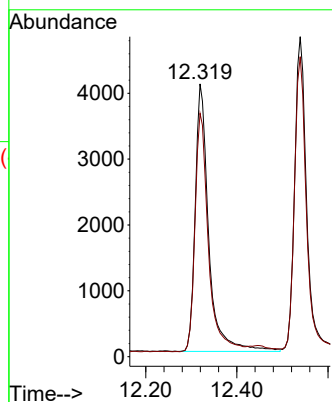
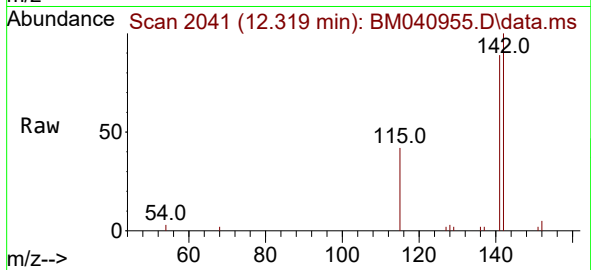




#7
2-Methylnaphthalene
Concen: 0.410 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

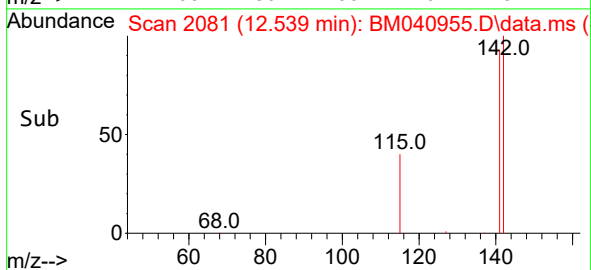
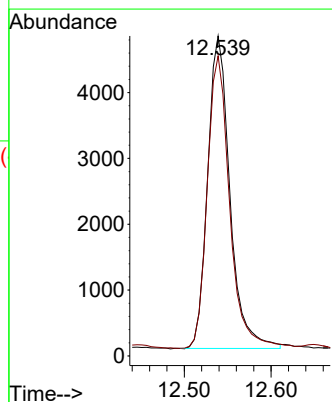
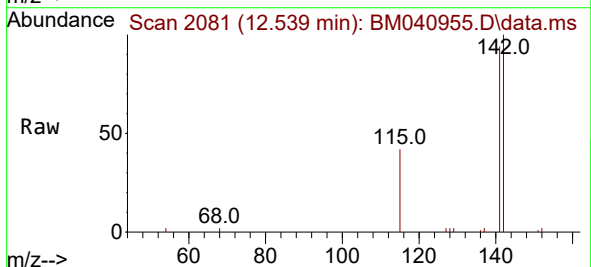
Instrument :
BNA_M
ClientSampleId :

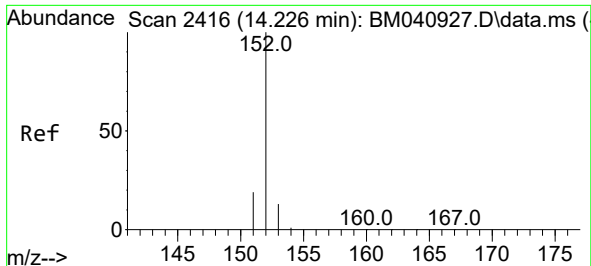
Tgt Ion:142 Resp: 8362
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:142 Resp: 8470
Ion Ratio Lower Upper
142 100
141 93.6 73.7 110.5

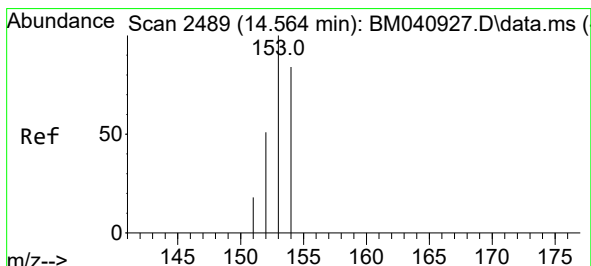
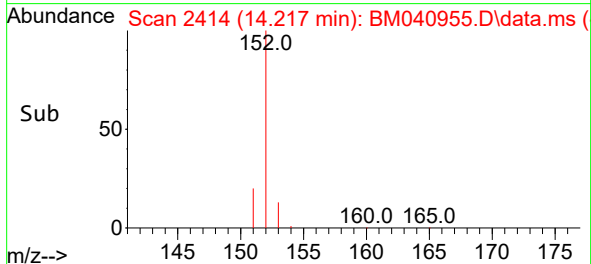
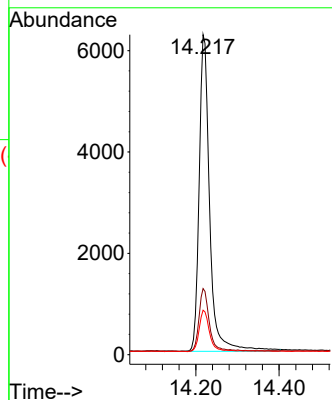
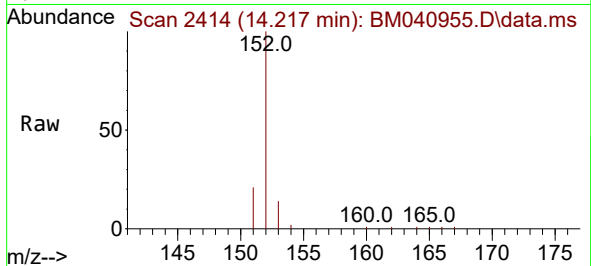




#10
Acenaphthylene
Concen: 0.387 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

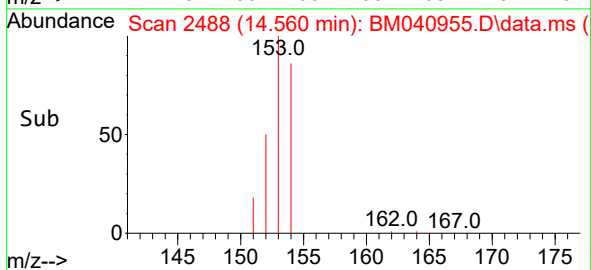
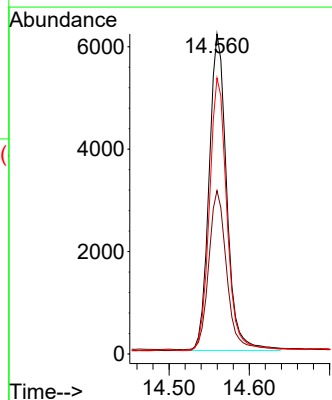
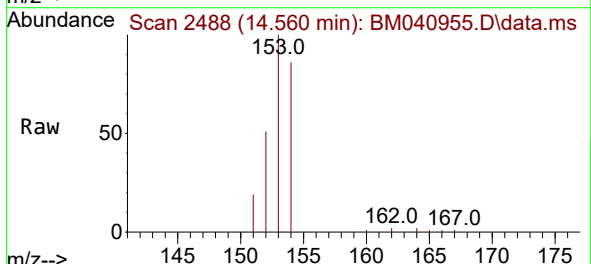
Instrument :
BNA_M
ClientSampleId :

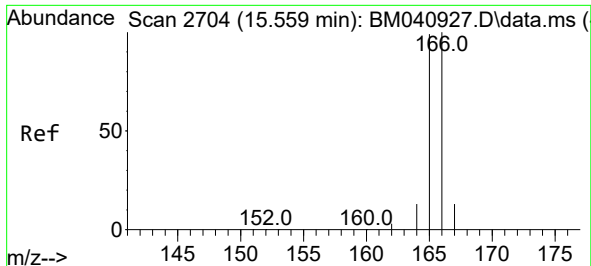
Tgt Ion:152 Resp: 10984
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.9 10.9 16.3



#11
Acenaphthene
Concen: 0.394 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:153 Resp: 9431
Ion Ratio Lower Upper
153 100
152 51.0 41.0 61.4
154 86.3 70.8 106.2

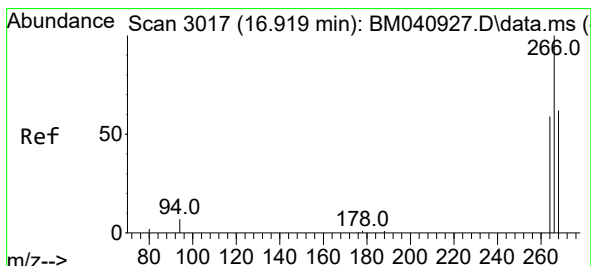
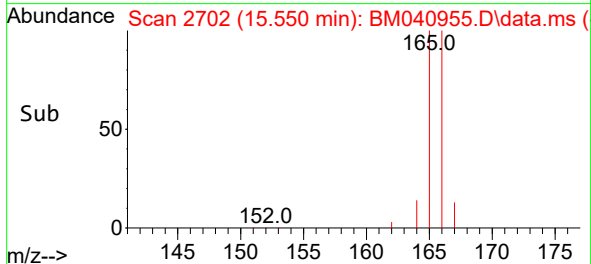
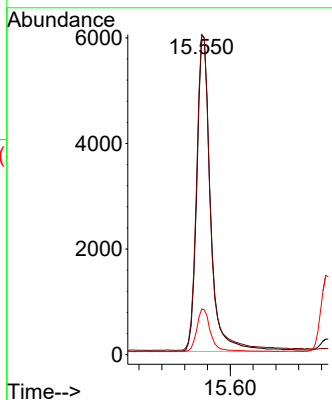
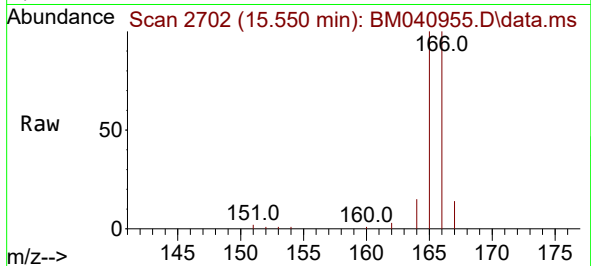




#12
Fluorene
Concen: 0.390 ng/ul
RT: 15.550 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

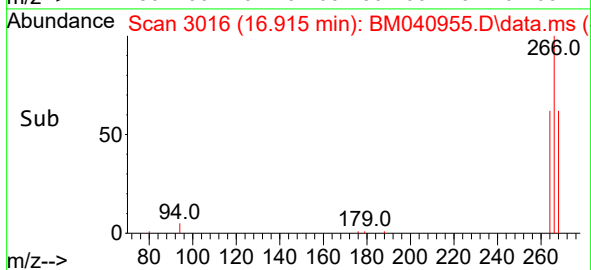
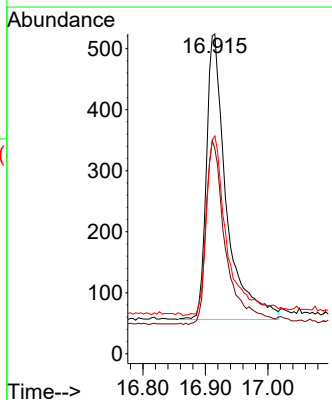
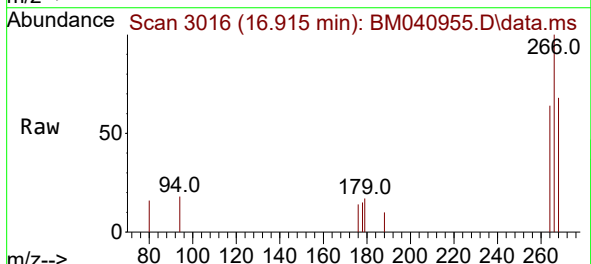
Instrument :
BNA_M
ClientSampleId :

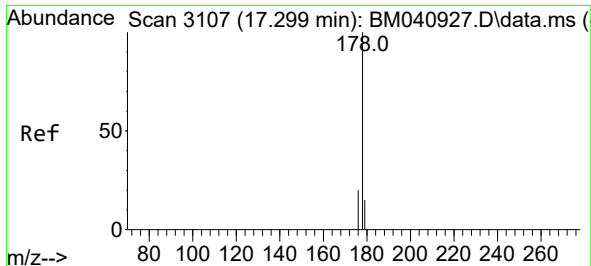
Tgt Ion:166 Resp: 9988
Ion Ratio Lower Upper
166 100
165 99.9 79.6 119.4
167 14.3 11.4 17.0



#14
Pentachlorophenol
Concen: 0.433 ng/ul
RT: 16.915 min Scan# 3016
Delta R.T. 0.004 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:266 Resp: 1039
Ion Ratio Lower Upper
266 100
264 64.1 45.4 68.0
268 66.4 47.2 70.8

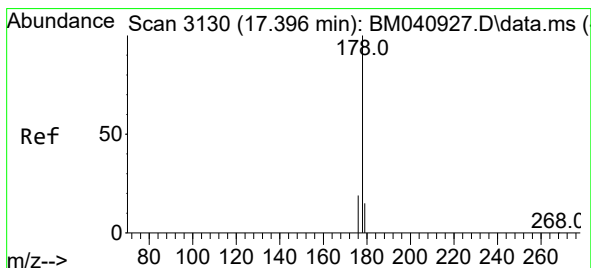
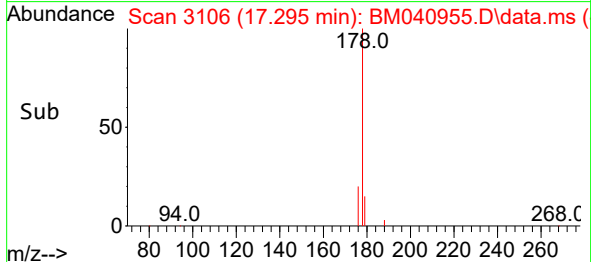
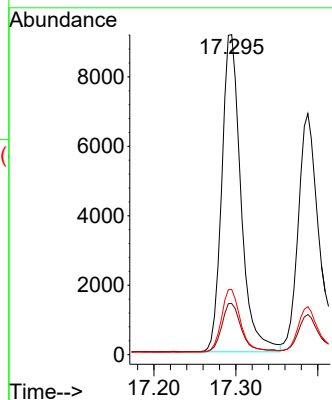
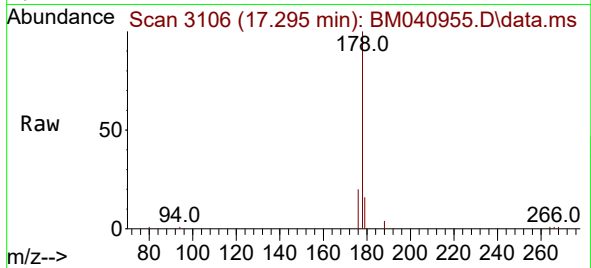




#15
Phenanthrene
Concen: 0.384 ng/ul
RT: 17.295 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

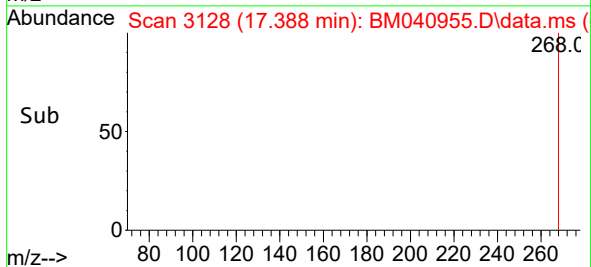
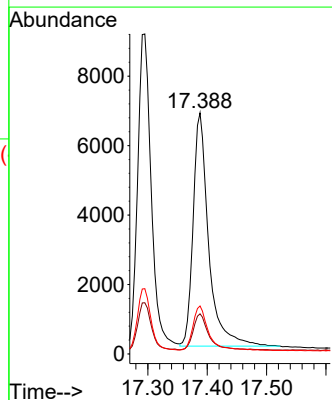
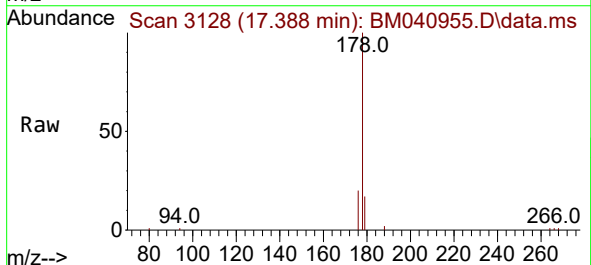
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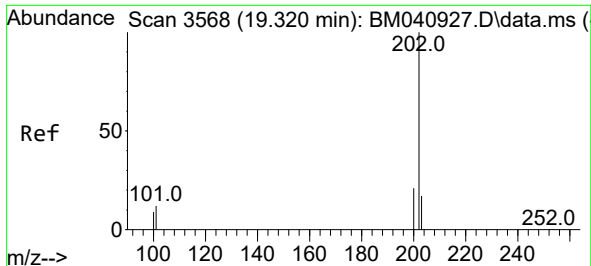
Tgt Ion:178 Resp: 14863
Ion Ratio Lower Upper
178 100
179 16.0 12.8 19.2
176 20.4 16.4 24.6



#16
Anthracene
Concen: 0.375 ng/ul
RT: 17.388 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:178 Resp: 12206
Ion Ratio Lower Upper
178 100
179 16.6 12.9 19.3
176 19.9 15.8 23.6

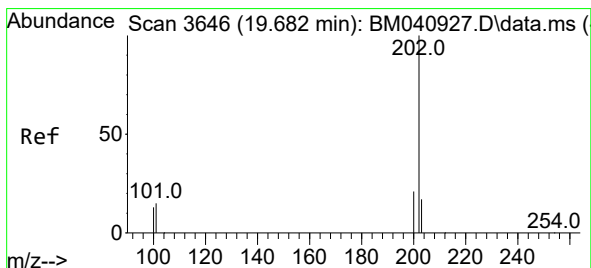
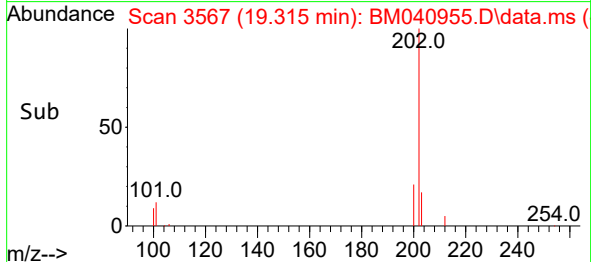
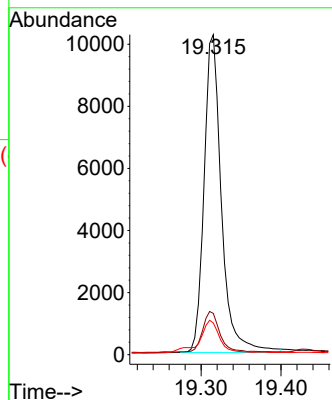
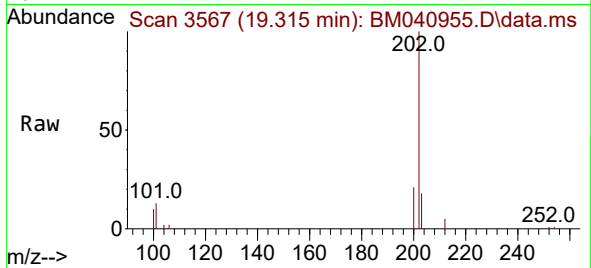




#19
Fluoranthene
Concen: 0.431 ng/ul
RT: 19.315 min Scan# 3567
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

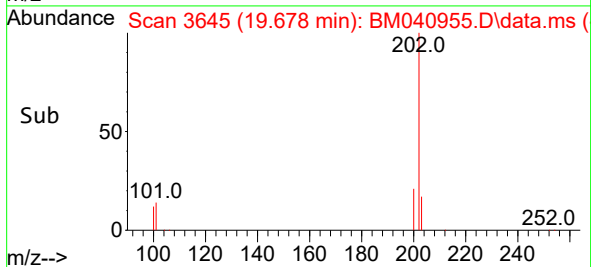
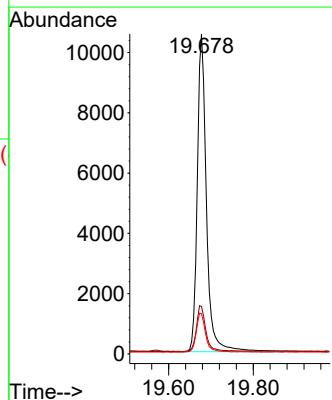
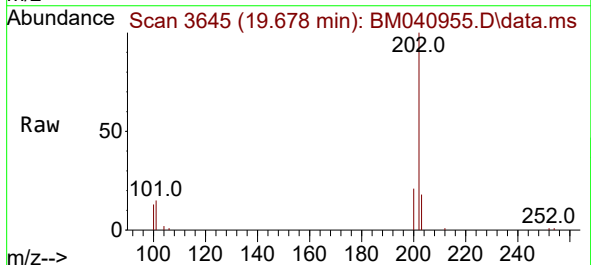
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ClientSampleId :

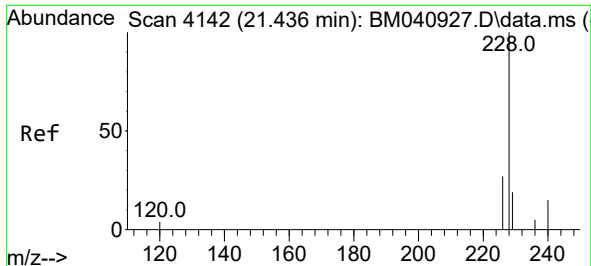
Tgt Ion:202 Resp: 15490
Ion Ratio Lower Upper
202 100
101 12.9 11.4 17.0
100 9.9 8.7 13.1



#20
Pyrene
Concen: 0.413 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

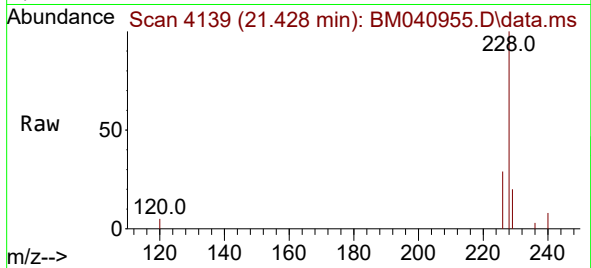
Tgt Ion:202 Resp: 15925
Ion Ratio Lower Upper
202 100
101 14.9 12.6 18.8
100 12.6 9.8 14.6



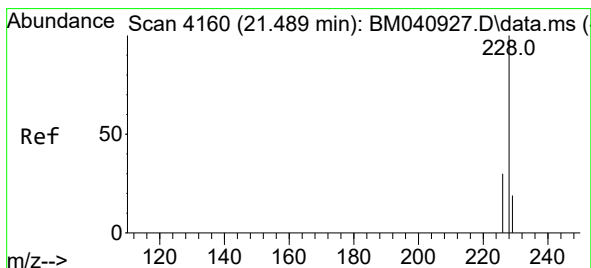
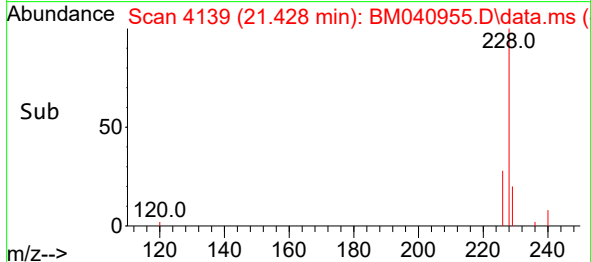
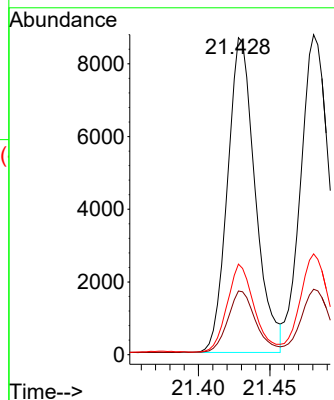


#21
Benzo(a)anthracene
Concen: 0.407 ng/ul
RT: 21.428 min Scan# 4113
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Instrument :
BNA_M
ClientSampleId :

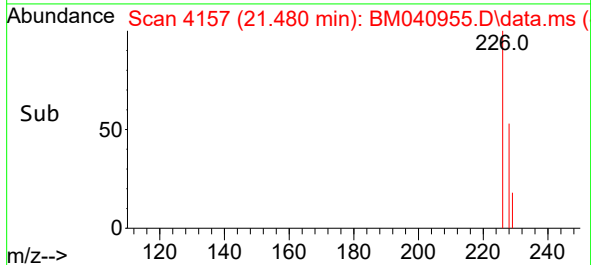
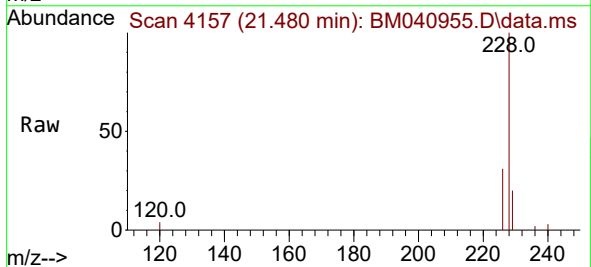
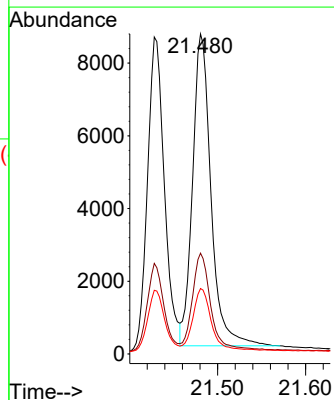


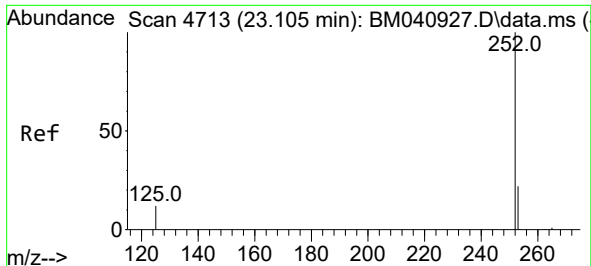
Tgt Ion:228 Resp: 11644
Ion Ratio Lower Upper
228 100
229 20.1 16.0 24.0
226 28.6 22.3 33.5



#22
Chrysene
Concen: 0.382 ng/ul
RT: 21.480 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

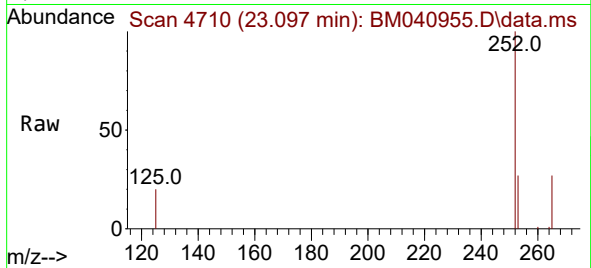
Tgt Ion:228 Resp: 12473
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 20.5 15.8 23.6



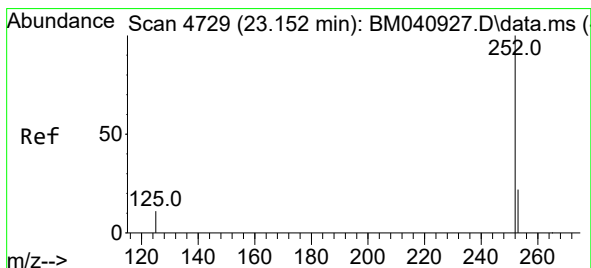
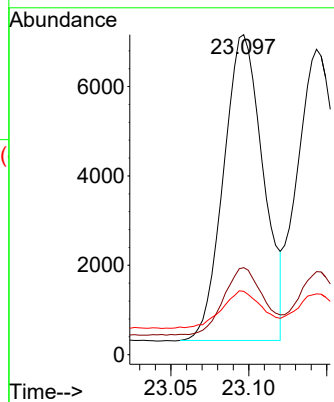


#24
Benzo(b)fluoranthene
Concen: 0.385 ng/ul
RT: 23.097 min Scan# 4710
Delta R.T. 0.000 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Instrument :
BNA_M
ClientSampleId :

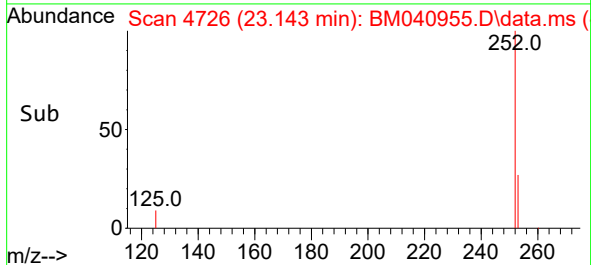
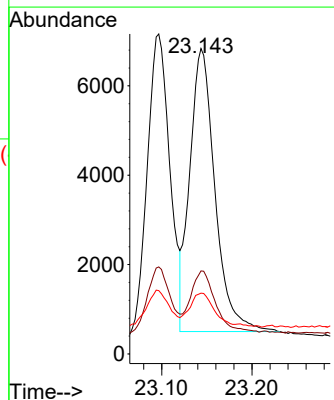
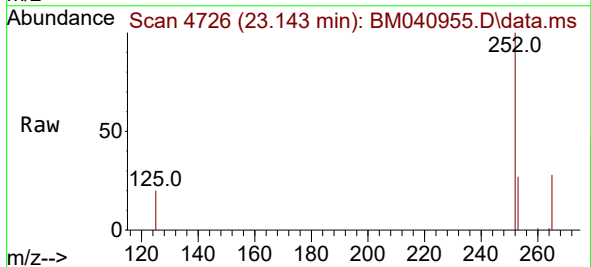


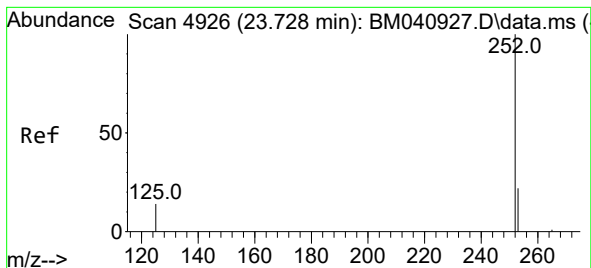
Tgt Ion:252 Resp: 12131
Ion Ratio Lower Upper
252 100
253 27.2 0.0 52.8
125 19.8 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.395 ng/ul
RT: 23.143 min Scan# 4726
Delta R.T. 0.003 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:252 Resp: 12264
Ion Ratio Lower Upper
252 100
253 27.2 21.2 31.8
125 19.9 16.4 24.6





#26

Benzo(a)pyrene

Concen: 0.376 ng/ul

RT: 23.717 min Scan# 4922

Delta R.T. 0.003 min

Lab File: BM040955.D

Acq: 18 Jul 2023 16:33

Instrument :

BNA_M

ClientSampleId :

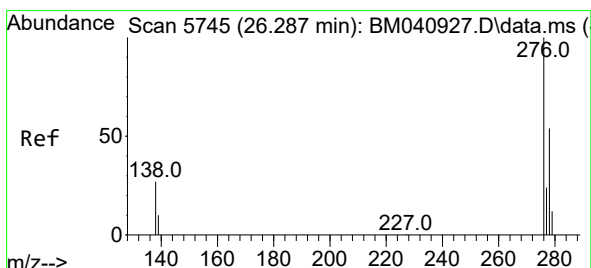
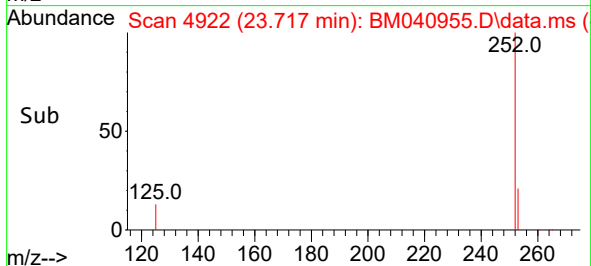
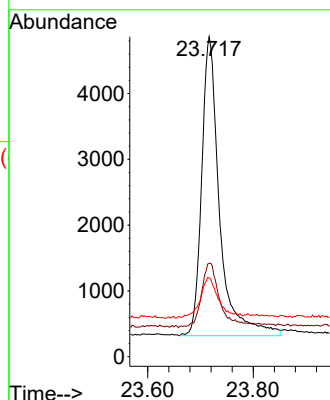
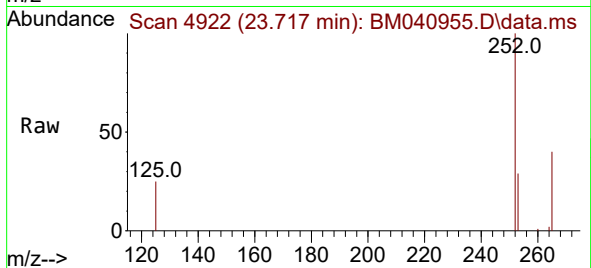
Tgt Ion:252 Resp: 10670

Ion Ratio Lower Upper

252 100

253 29.1 22.9 34.3

125 24.6 21.0 31.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.387 ng/ul

RT: 26.280 min Scan# 5743

Delta R.T. 0.010 min

Lab File: BM040955.D

Acq: 18 Jul 2023 16:33

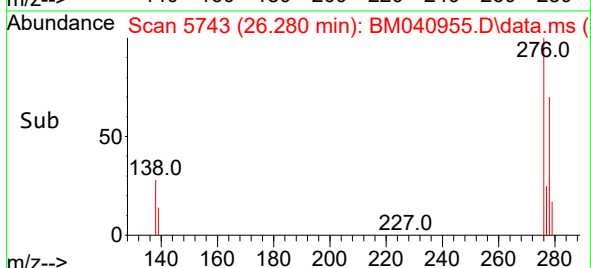
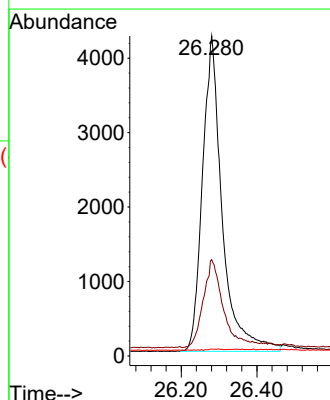
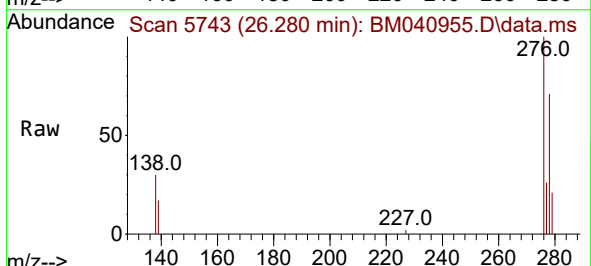
Tgt Ion:276 Resp: 15298

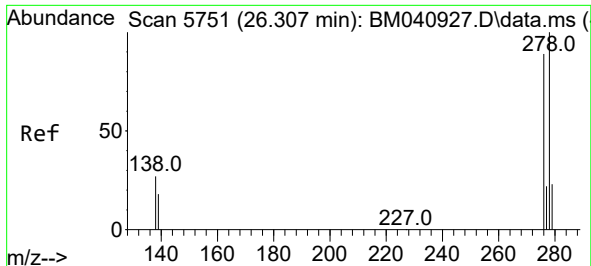
Ion Ratio Lower Upper

276 100

138 29.4 24.5 36.7

227 0.3 0.1 0.1#

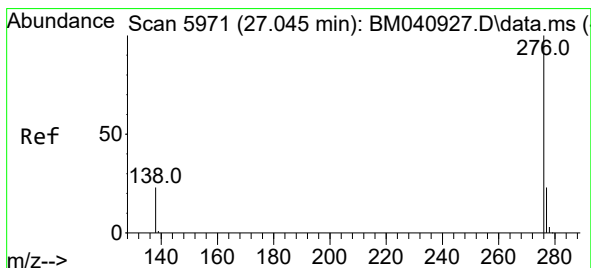
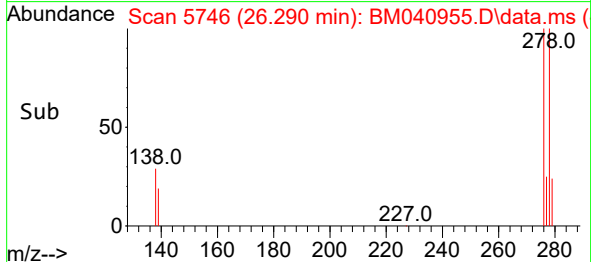
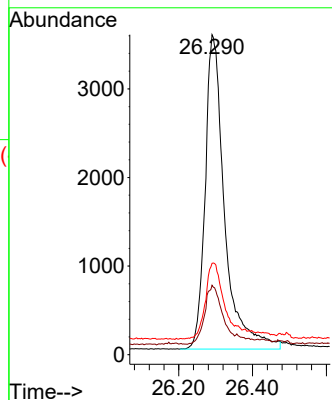
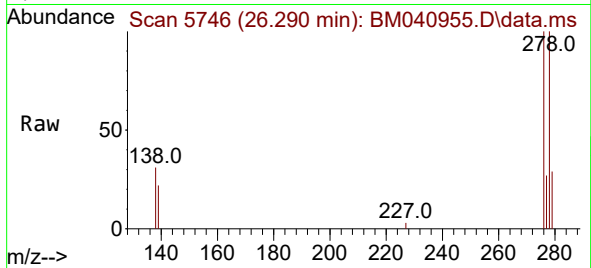




#28
Dibenzo(a,h)anthracene
Concen: 0.418 ng/ul
RT: 26.290 min Scan# 51
Delta R.T. 0.007 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 12946
Ion Ratio Lower Upper
278 100
139 21.7 17.9 26.9
279 28.6 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 0.339 ng/ul
RT: 27.028 min Scan# 5966
Delta R.T. 0.007 min
Lab File: BM040955.D
Acq: 18 Jul 2023 16:33

Tgt Ion:276 Resp: 11735
Ion Ratio Lower Upper
276 100
138 27.3 23.0 34.6
277 25.6 20.3 30.5

