

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
 Data File : BM040052.D
 Acq On : 30 May 2023 12:13
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4112

Quant Time: May 31 02:01:54 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 : Tue May 30 14:54:33 2023
 Response via : Initial Calibration

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

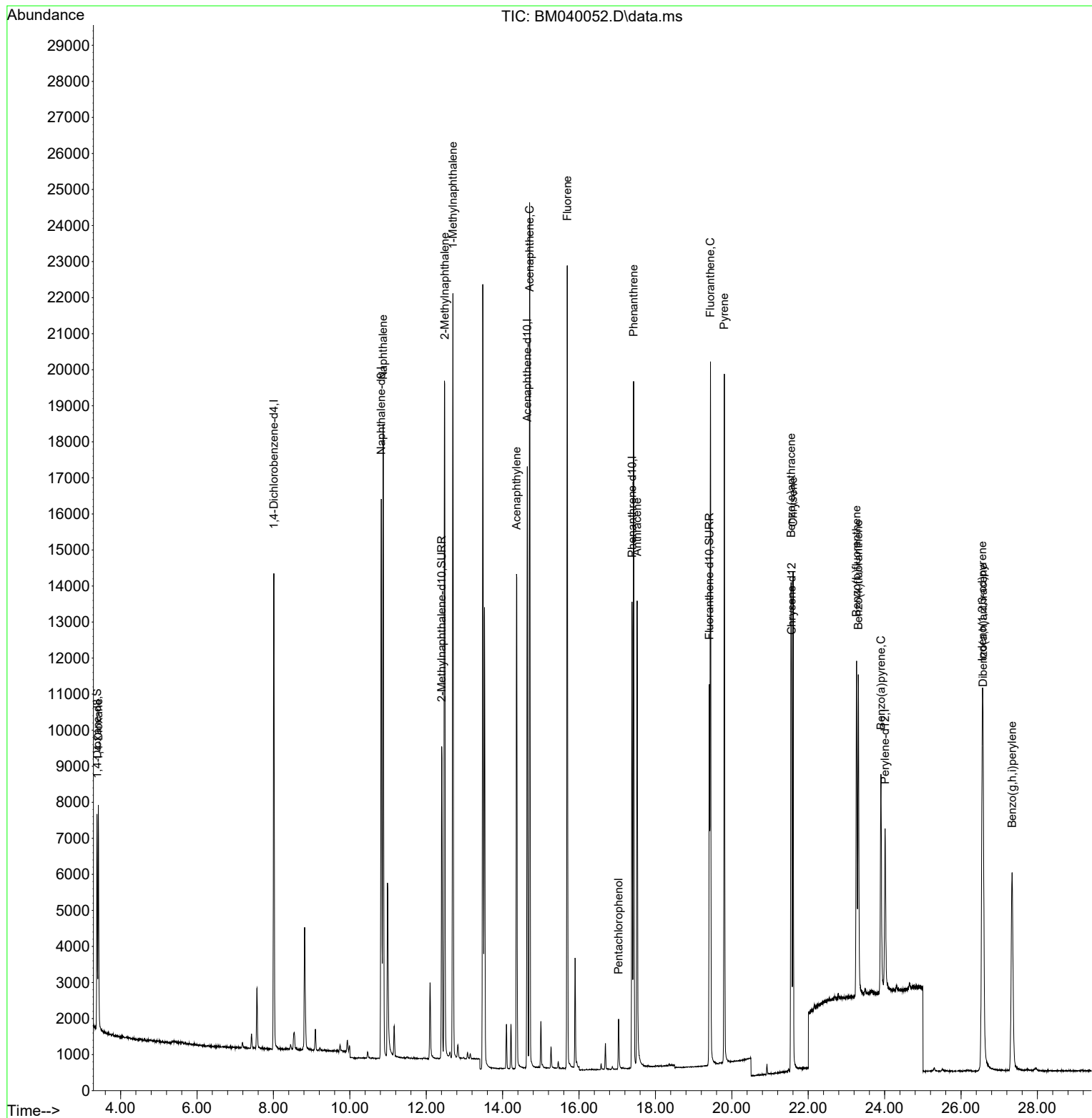
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	6723	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	20720	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	8703	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	14522	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.564	240	6979	0.400	ng/ul	0.00
23) Perylene-d12	24.011	264	6564	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	3751	0.479	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	11178	0.441	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	10550	0.502	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	4005	0.486	ng/ul	96
5) Naphthalene	10.872	128	23727	0.469	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	13723	0.449	ng/ul	100
8) 1-Methylnaphthalene	12.697	142	14211	0.447	ng/ul	99
10) Acenaphthylene	14.364	152	15485	0.447	ng/ul	100
11) Acenaphthene	14.707	153	13447	0.476	ng/ul	99
12) Fluorene	15.692	166	13508	0.459	ng/ul	98
14) Pentachlorophenol	17.037	266	1008	0.342	ng/ul	99
15) Phenanthrene	17.429	178	18771	0.457	ng/ul	100
16) Anthracene	17.522	178	14774	0.428	ng/ul	100
19) Fluoranthene	19.440	202	15637	0.498	ng/ul	98
20) Pyrene	19.803	202	15325	0.481	ng/ul	97
21) Benzo(a)anthracene	21.550	228	10952	0.466	ng/ul	99
22) Chrysene	21.602	228	12082	0.484	ng/ul	99
24) Benzo(b)fluoranthene	23.266	252	12176	0.467	ng/ul	97
25) Benzo(k)fluoranthene	23.312	252	11759	0.448	ng/ul	97
26) Benzo(a)pyrene	23.903	252	10043	0.461	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.558	276	14963	0.477	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.578	278	11859	0.468	ng/ul	99
29) Benzo(g,h,i)perylene	27.336	276	12514	0.487	ng/ul	97

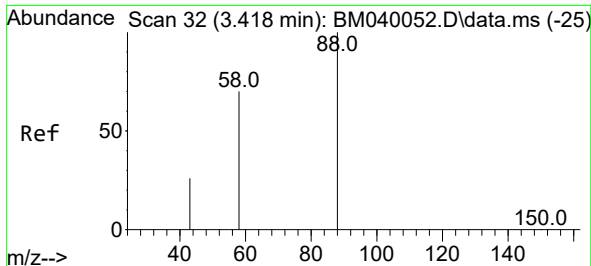
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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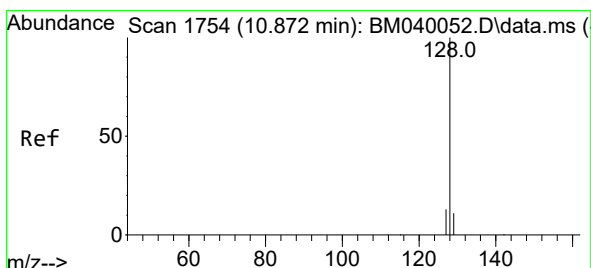
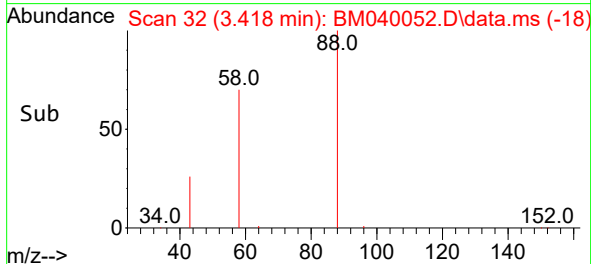
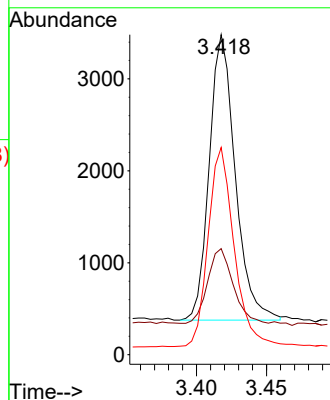
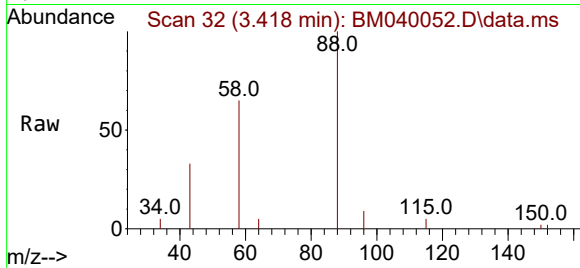




#2
1,4-Dioxane
Concen: 0.486 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

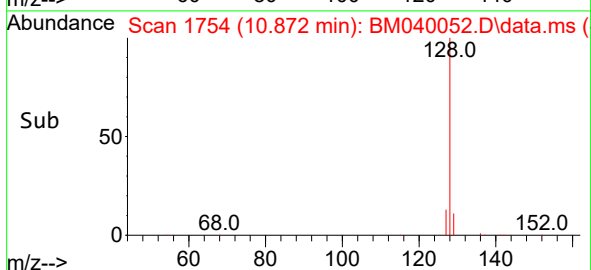
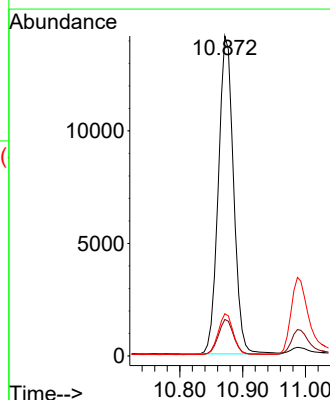
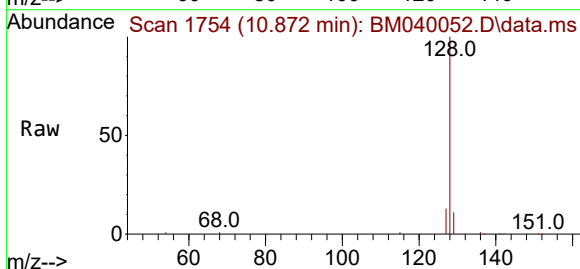
Instrument :
BNA_M
ClientSampleId :
SSTD0.4112

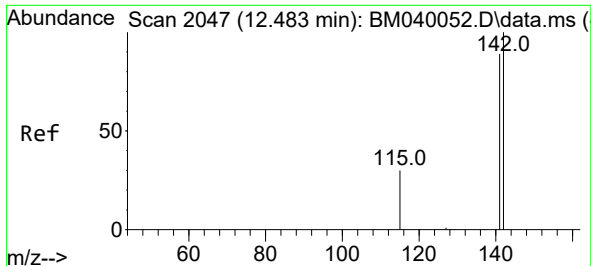
Tgt Ion: 88 Resp: 4005
Ion Ratio Lower Upper
88 100
43 33.2 25.9 38.9
58 64.8 48.5 72.7



#5
Naphthalene
Concen: 0.469 ng/ul
RT: 10.872 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion: 128 Resp: 23727
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.2 10.5 15.7

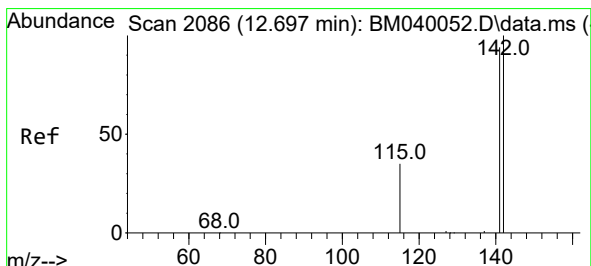
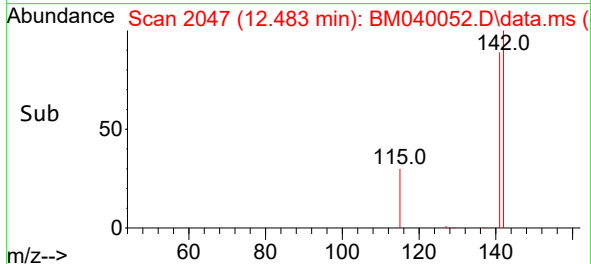
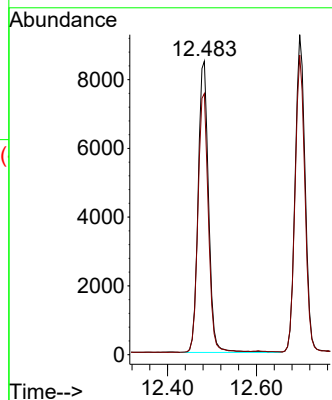
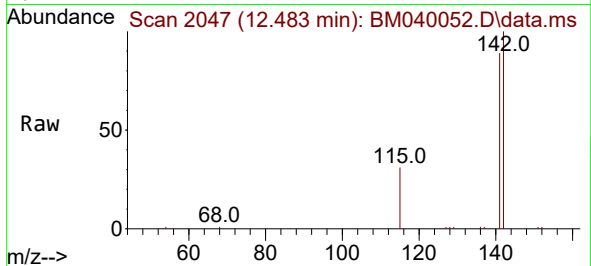




#7
2-Methylnaphthalene
Concen: 0.449 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

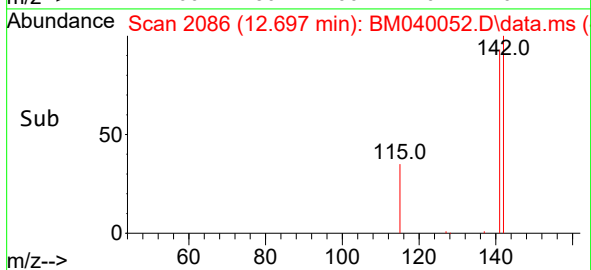
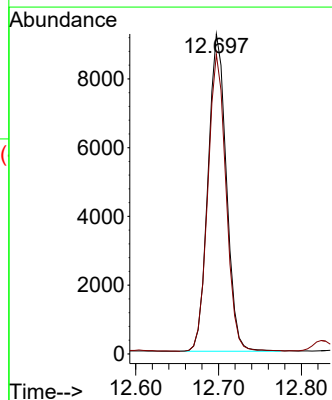
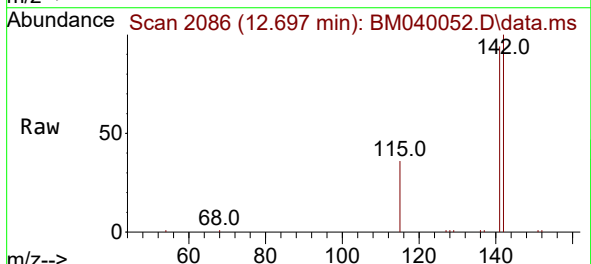
Instrument :
BNA_M
ClientSampleId :
SSTD0.4112

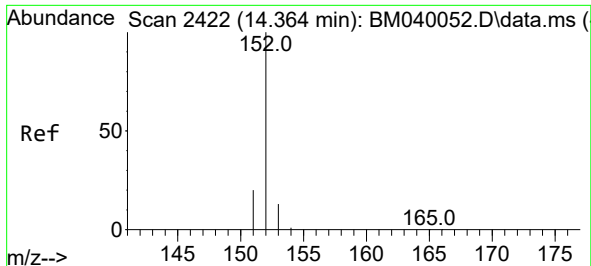
Tgt Ion:142 Resp: 13723
Ion Ratio Lower Upper
142 100
141 88.9 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.447 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:142 Resp: 14211
Ion Ratio Lower Upper
142 100
141 92.9 73.8 110.6

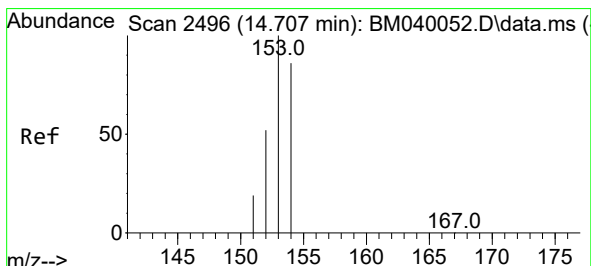
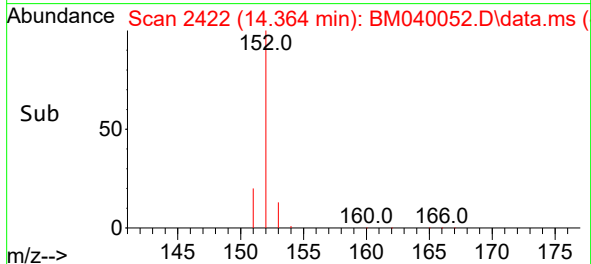
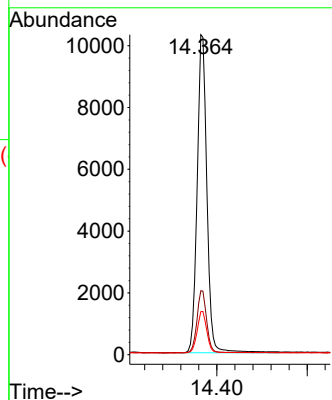
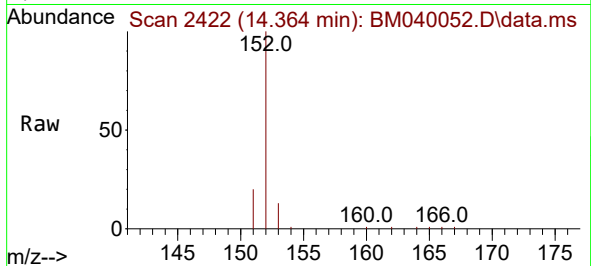




#10
Acenaphthylene
Concen: 0.447 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

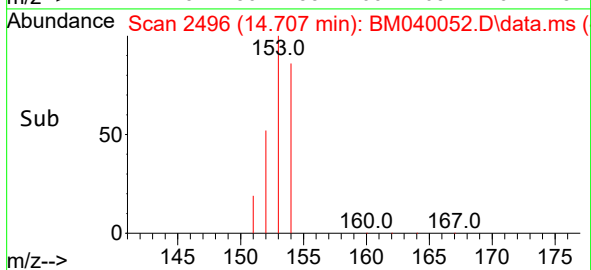
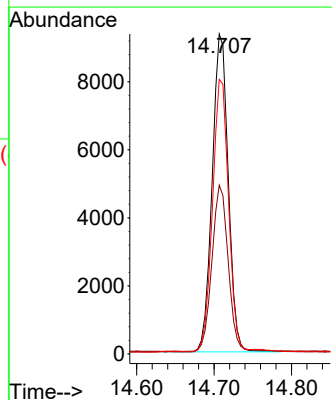
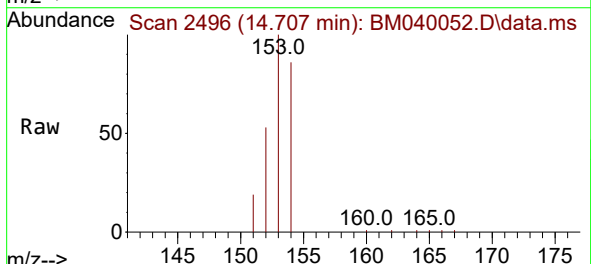
Instrument :
BNA_M
ClientSampleId :
SSTD0.4112

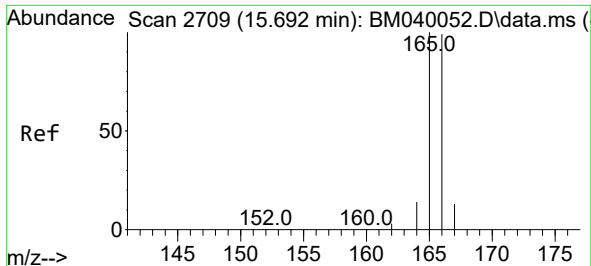
Tgt Ion:152 Resp: 15485
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.4 10.6 16.0



#11
Acenaphthene
Concen: 0.476 ng/ul
RT: 14.707 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:153 Resp: 13447
Ion Ratio Lower Upper
153 100
152 52.8 42.0 63.0
154 85.8 69.4 104.2

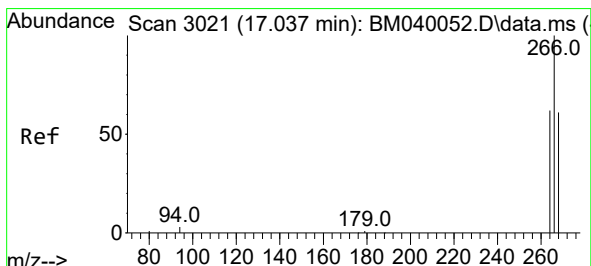
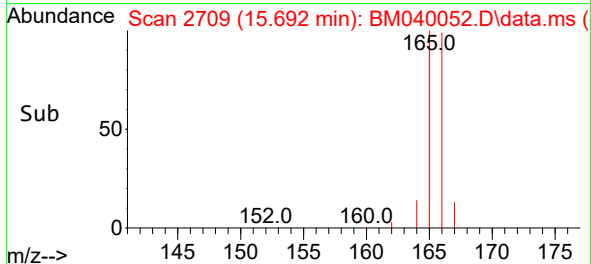
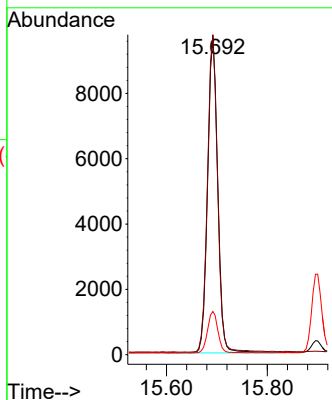
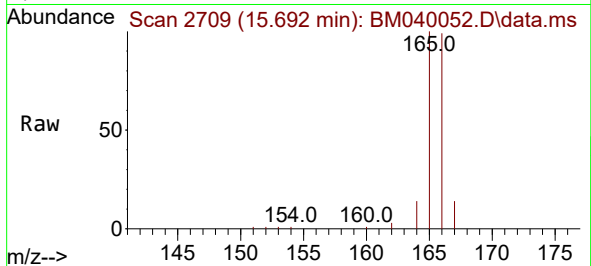




#12
Fluorene
Concen: 0.459 ng/ul
RT: 15.692 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

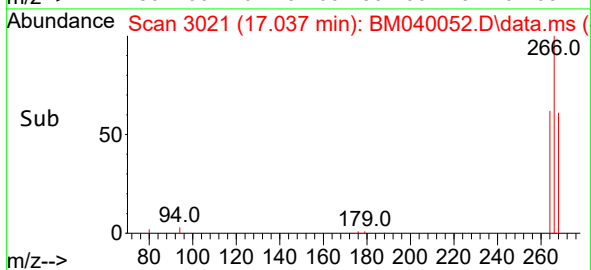
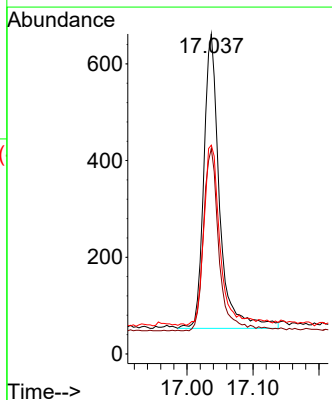
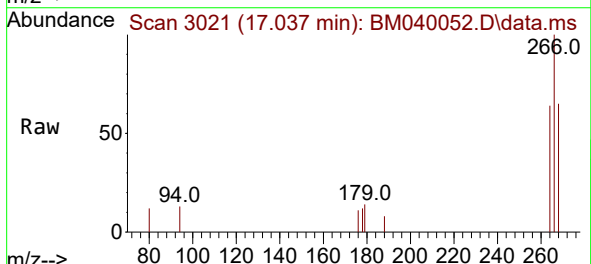
Instrument :
BNA_M
ClientSampleId :
SSTD0.4112

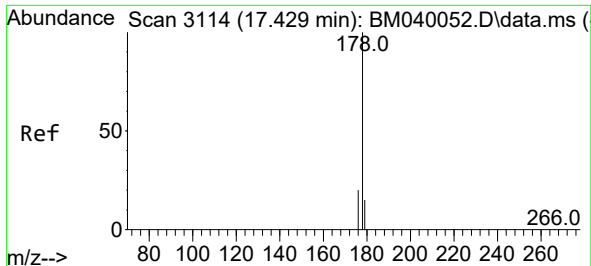
Tgt Ion:166 Resp: 13508
Ion Ratio Lower Upper
166 100
165 100.9 79.3 118.9
167 13.6 10.8 16.2



#14
Pentachlorophenol
Concen: 0.342 ng/ul
RT: 17.037 min Scan# 3021
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:266 Resp: 1008
Ion Ratio Lower Upper
266 100
264 61.1 49.2 73.8
268 64.0 51.9 77.9

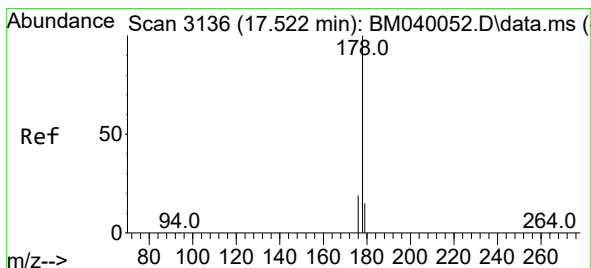
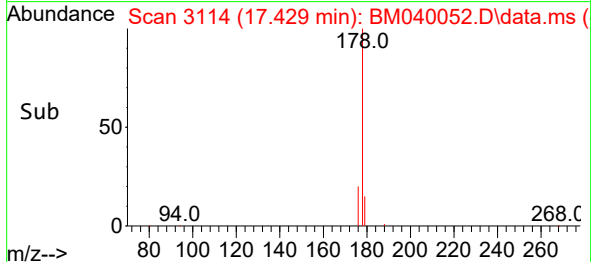
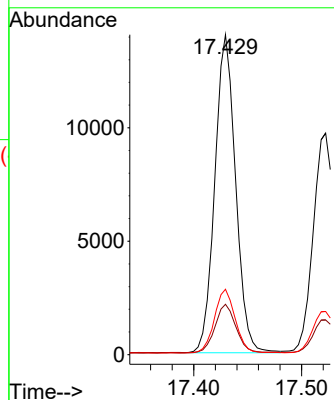
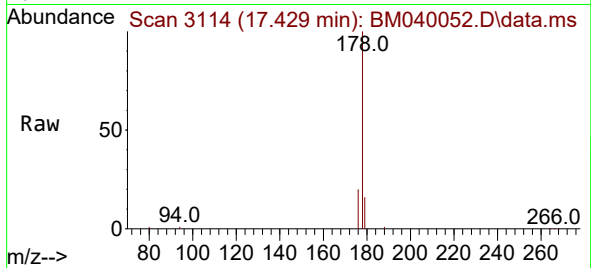




#15
Phenanthrene
Concen: 0.457 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

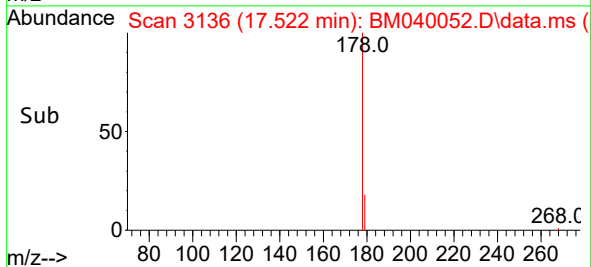
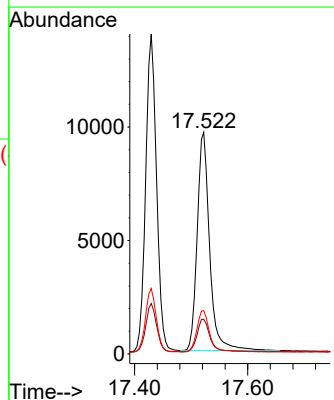
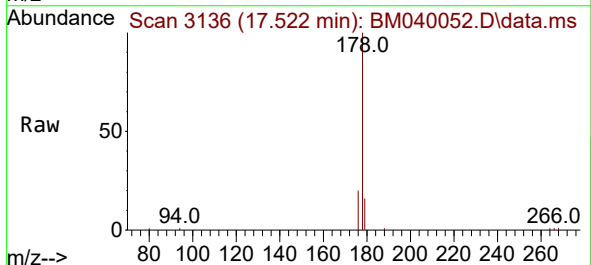
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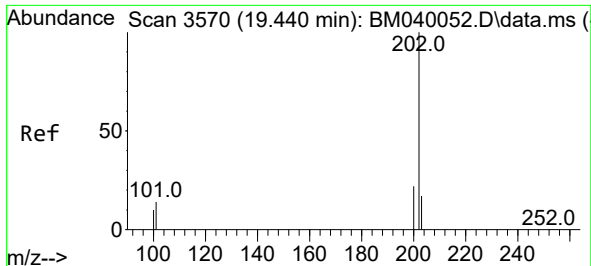
Tgt Ion:178 Resp: 18771
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 20.4 16.3 24.5



#16
Anthracene
Concen: 0.428 ng/ul
RT: 17.522 min Scan# 3136
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:178 Resp: 14774
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.5 15.5 23.3

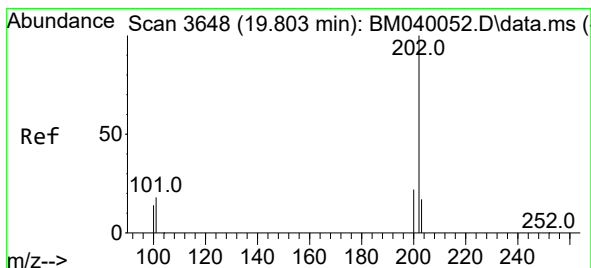
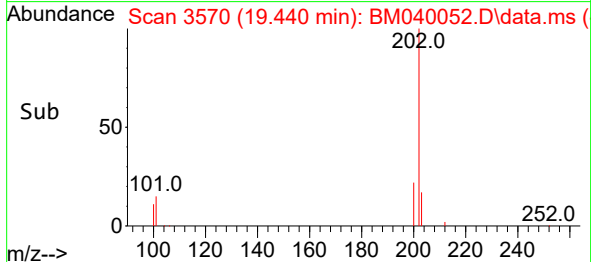
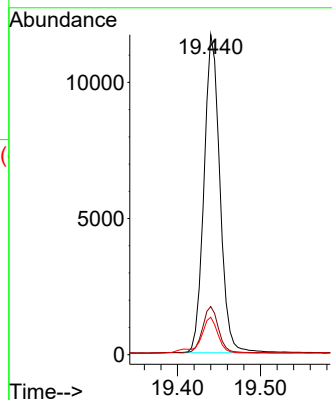
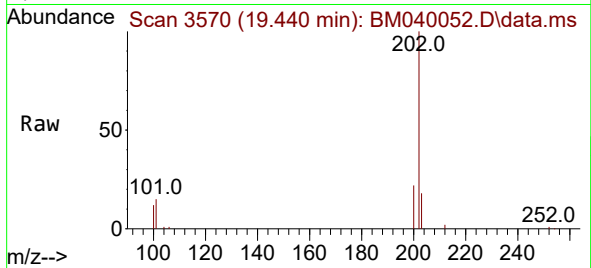




#19
Fluoranthene
Concen: 0.498 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

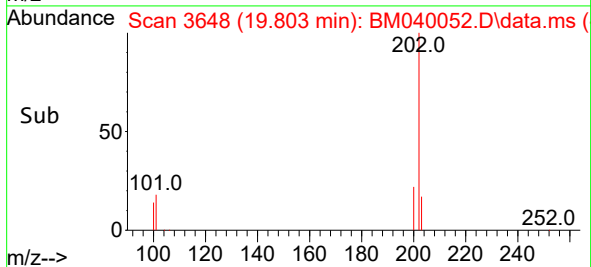
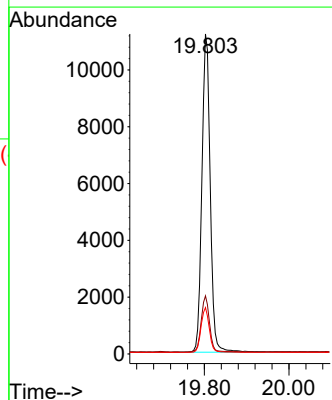
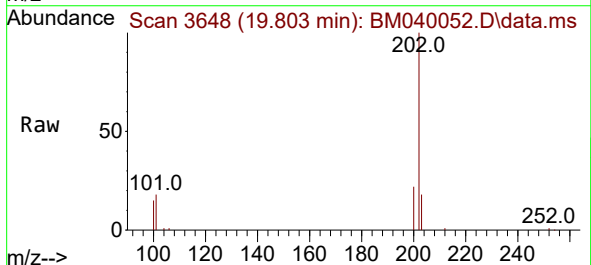
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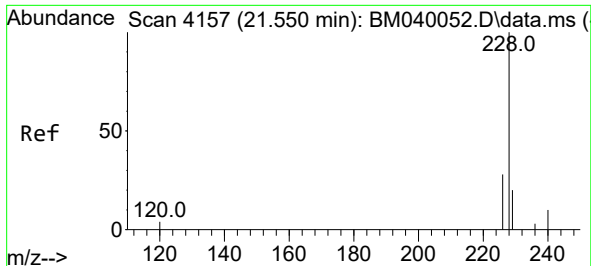
Tgt Ion:202 Resp: 15637
Ion Ratio Lower Upper
202 100
101 15.1 11.5 17.3
100 11.7 8.5 12.7



#20
Pyrene
Concen: 0.481 ng/ul
RT: 19.803 min Scan# 3648
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:202 Resp: 15325
Ion Ratio Lower Upper
202 100
101 18.1 13.3 19.9
100 14.5 10.9 16.3

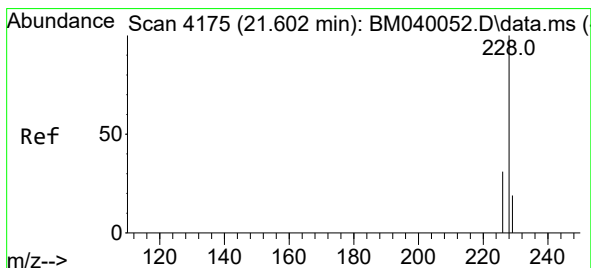
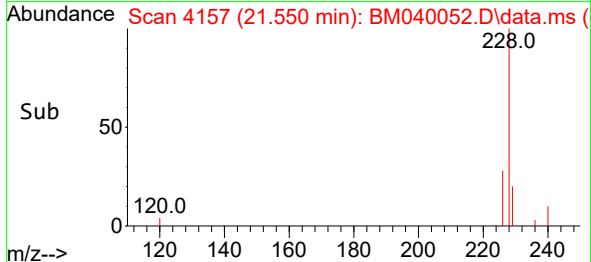
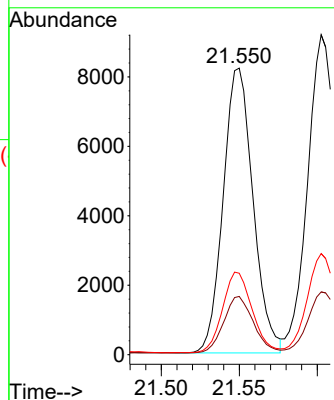
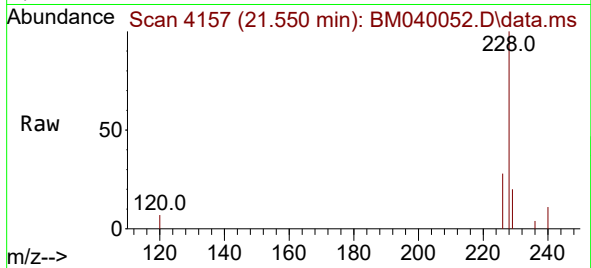




#21
Benzo(a)anthracene
Concen: 0.466 ng/ul
RT: 21.550 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

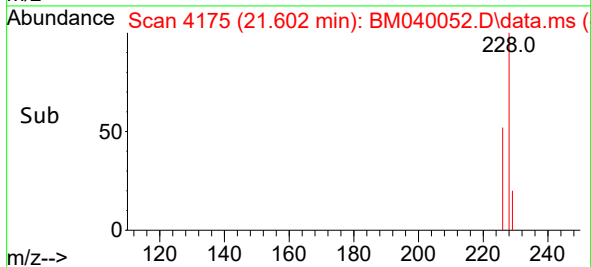
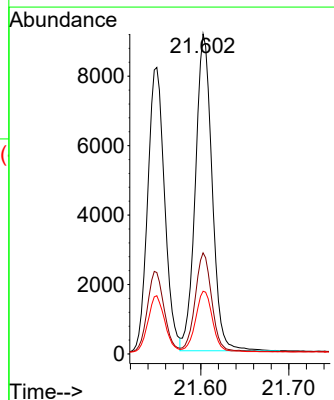
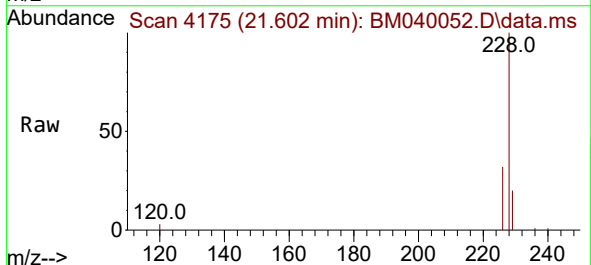
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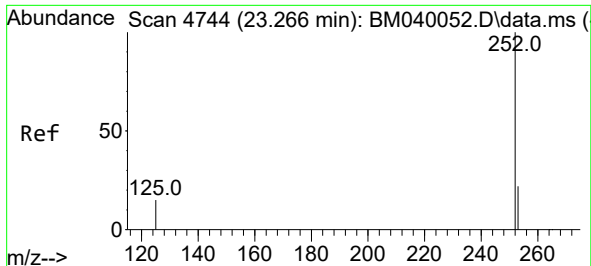
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Ion Ratio Lower Upper
228 100
229 20.3 15.6 23.4
226 28.4 22.5 33.7



#22
Chrysene
Concen: 0.484 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:228 Resp: 12082
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 19.6 15.6 23.4

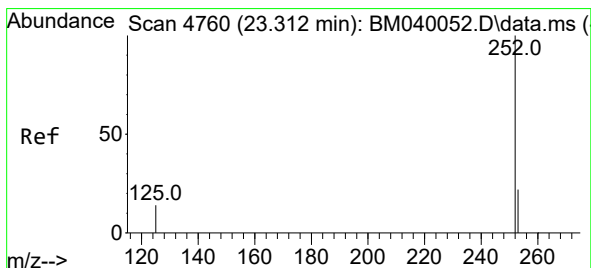
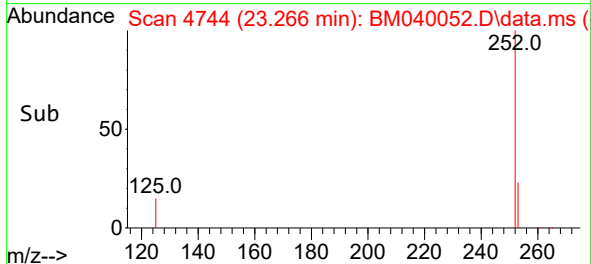
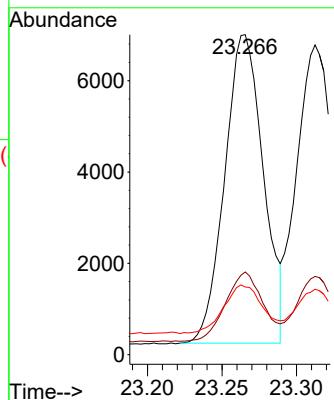
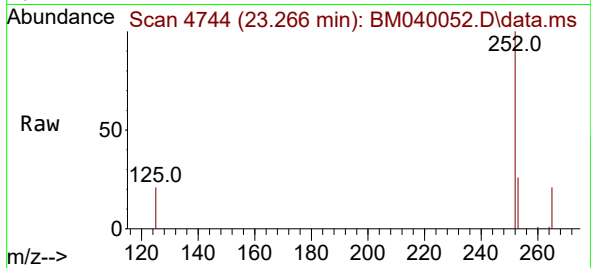




#24
Benzo(b)fluoranthene
Concen: 0.467 ng/ul
RT: 23.266 min Scan# 4744
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

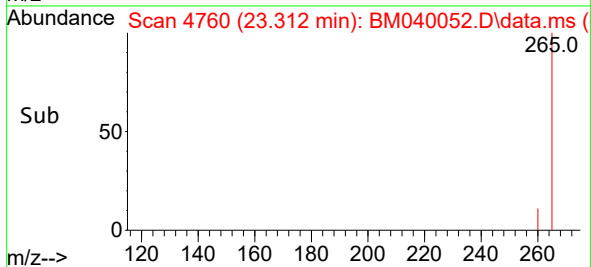
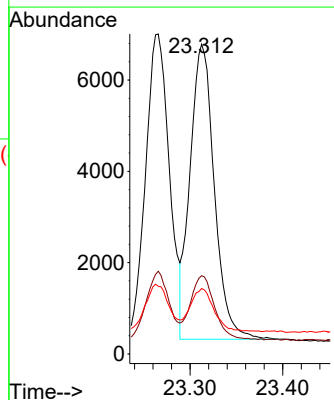
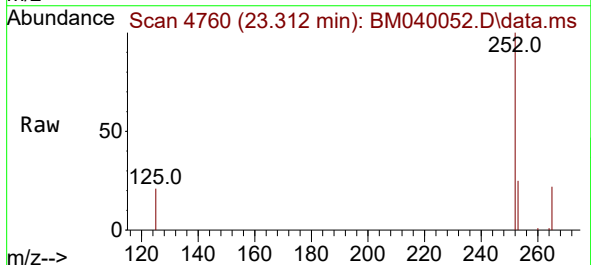
Instrument :
BNA_M
ClientSampleId :
SSTD0.4112

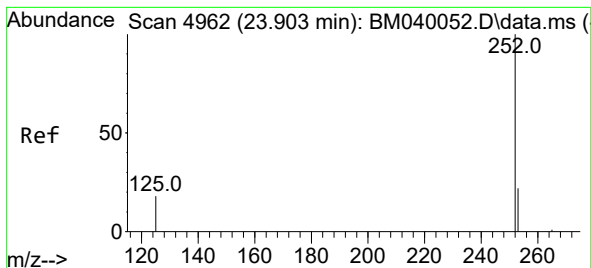
Tgt Ion:252 Resp: 12176
Ion Ratio Lower Upper
252 100
253 25.9 0.0 49.8
125 21.1 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.448 ng/ul
RT: 23.312 min Scan# 4760
Delta R.T. 0.000 min
Lab File: BM040052.D
Acq: 30 May 2023 12:13

Tgt Ion:252 Resp: 11759
Ion Ratio Lower Upper
252 100
253 25.2 19.7 29.5
125 21.1 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.461 ng/ul

RT: 23.903 min Scan# 4962

Delta R.T. 0.000 min

Lab File: BM040052.D

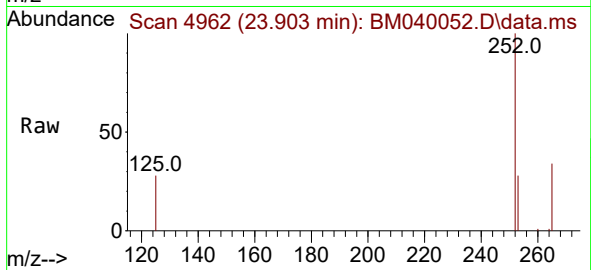
Acq: 30 May 2023 12:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.4112



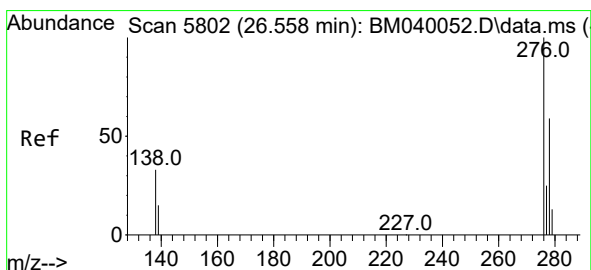
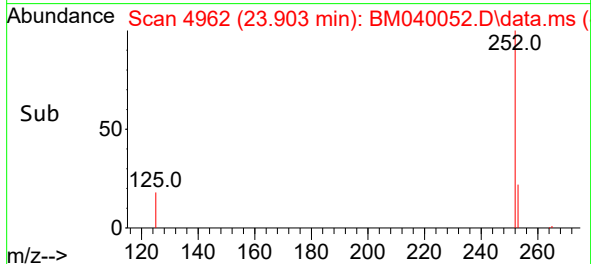
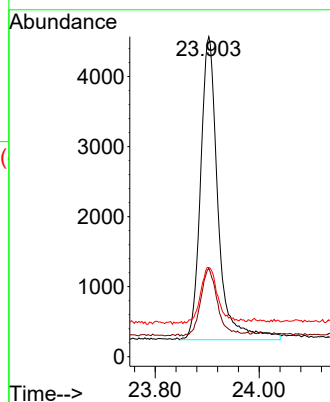
Tgt Ion:252 Resp: 10043

Ion Ratio Lower Upper

252 100

253 27.6 20.6 31.0

125 27.8 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.477 ng/ul

RT: 26.558 min Scan# 5802

Delta R.T. 0.000 min

Lab File: BM040052.D

Acq: 30 May 2023 12:13

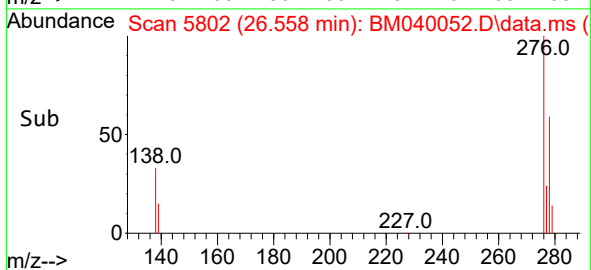
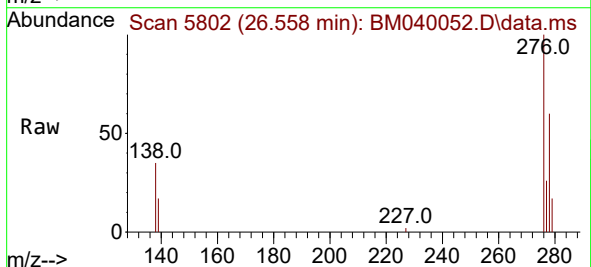
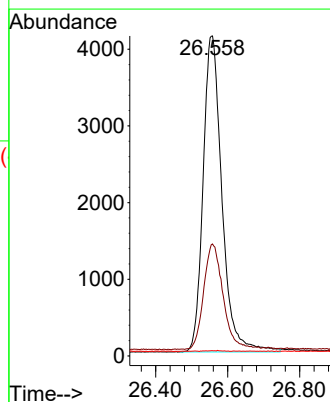
Tgt Ion:276 Resp: 14963

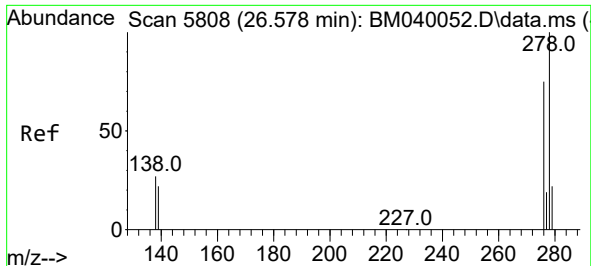
Ion Ratio Lower Upper

276 100

138 34.3 26.9 40.3

227 0.1 0.1 0.1#

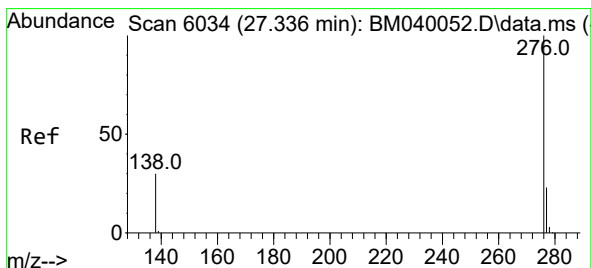
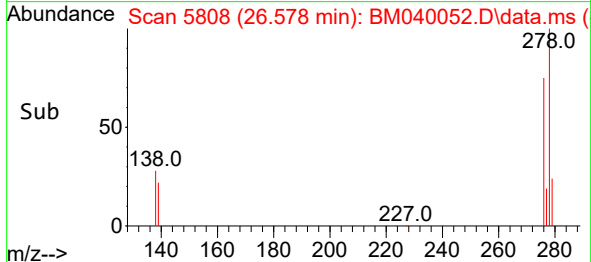
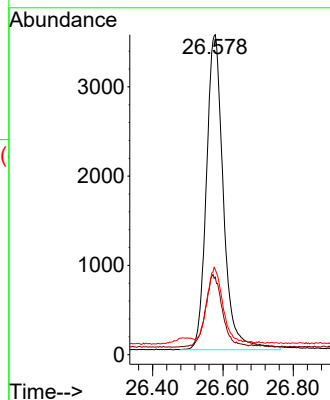
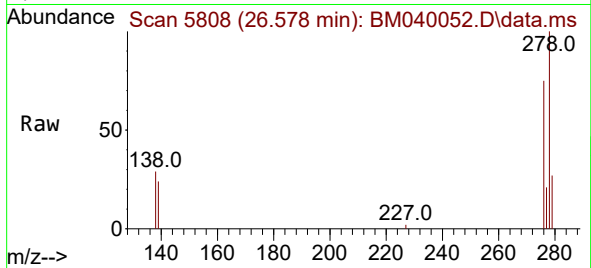




#28
 Dibenzo(a,h)anthracene
 Concen: 0.468 ng/ul
 RT: 26.578 min Scan# 5808
 Delta R.T. 0.000 min
 Lab File: BM040052.D
 Acq: 30 May 2023 12:13

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4112

Tgt Ion:278 Resp: 11859
 Ion Ratio Lower Upper
 278 100
 139 24.2 19.0 28.4
 279 26.6 20.6 31.0



#29
 Benzo(g,h,i)perylene
 Concen: 0.487 ng/ul
 RT: 27.336 min Scan# 6034
 Delta R.T. 0.000 min
 Lab File: BM040052.D
 Acq: 30 May 2023 12:13

Tgt Ion:276 Resp: 12514
 Ion Ratio Lower Upper
 276 100
 138 31.9 23.9 35.9
 277 25.0 19.5 29.3

