

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070523\
 Data File : BM040707.D
 Acq On : 07 Jul 2023 10:41
 Operator : MA/JU
 Sample : PB153638BS
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS638

Quant Time: Jul 07 13:34:39 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 : Fri Jul 07 10:22:24 2023
 Response via : Initial Calibration

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

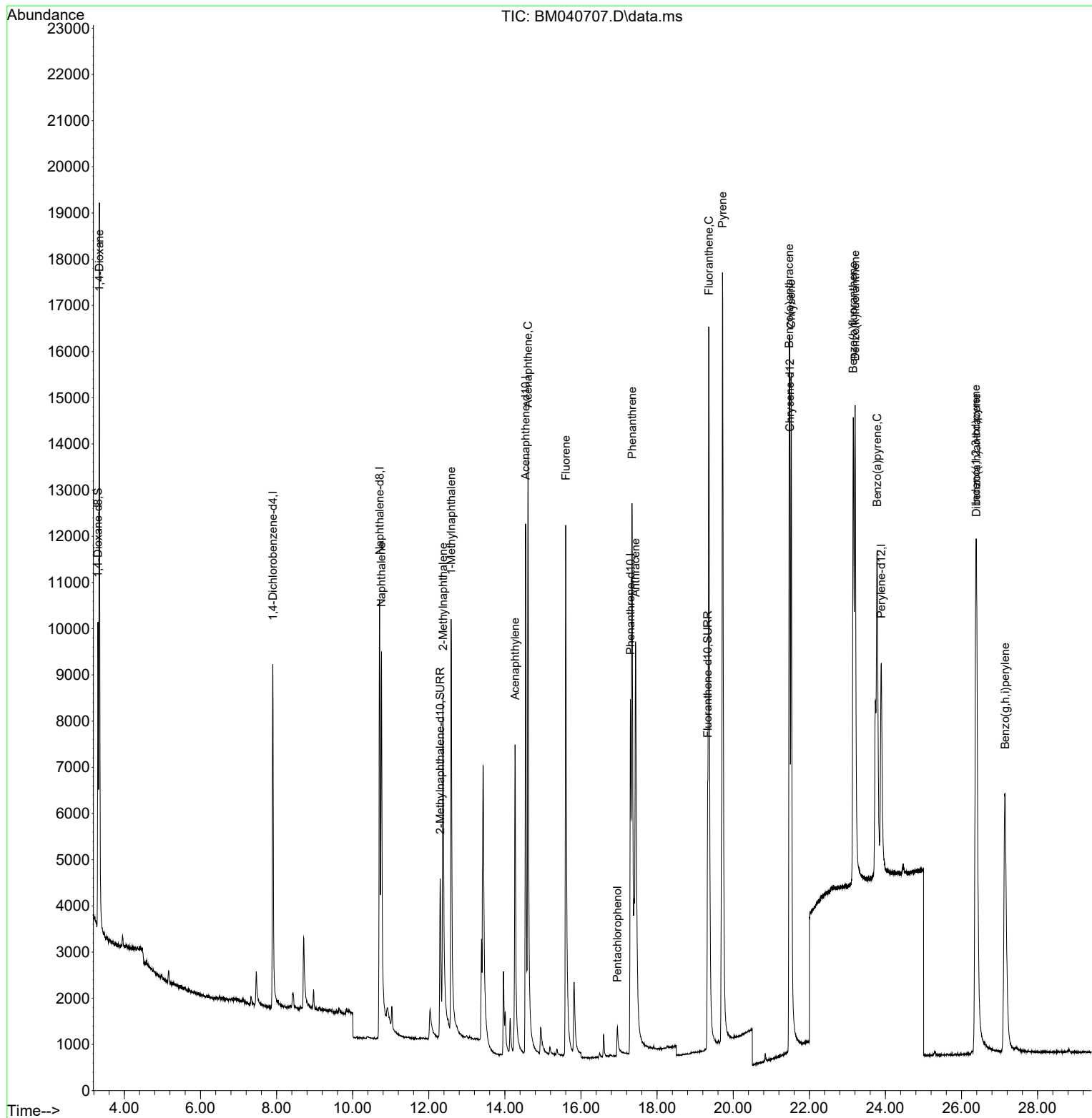
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.903	152	4867	0.400	ng/ul	0.00
4) Naphthalene-d8	10.707	136	17762	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.546	164	8120	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.299	188	14059	0.400	ng/ul	0.00
17) Chrysene-d12	21.489	240	8868	0.400	ng/ul	0.00
23) Perylene-d12	23.892	264	8178	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.309	96	4483	0.586	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.302	152	7458	0.300	ng/ul	0.00
18) Fluoranthene-d10	19.329	212	9616	0.338	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.343	88	10625	1.365	ng/ul	90
5) Naphthalene	10.757	128	14291	0.292	ng/ul	98
7) 2-Methylnaphthalene	12.374	142	8441	0.293	ng/ul	98
8) 1-Methylnaphthalene	12.588	142	7828	0.272	ng/ul	97
10) Acenaphthylene	14.268	152	11236	0.310	ng/ul	97
11) Acenaphthene	14.606	153	9609	0.314	ng/ul	97
12) Fluorene	15.600	166	11491	0.351	ng/ul	99
14) Pentachlorophenol	16.957	266	810	0.299	ng/ul	91
15) Phenanthrene	17.341	178	17987	0.412	ng/ul	99
16) Anthracene	17.434	178	15817	0.431	ng/ul	98
19) Fluoranthene	19.361	202	19522	0.518	ng/ul	98
20) Pyrene	19.719	202	20250	0.501	ng/ul	97
21) Benzo(a)anthracene	21.471	228	15207	0.507	ng/ul	100
22) Chrysene	21.524	228	17184	0.502	ng/ul	100
24) Benzo(b)fluoranthene	23.155	252	17309	0.547	ng/ul	98
25) Benzo(k)fluoranthene	23.205	252	16902	0.542	ng/ul	99
26) Benzo(a)pyrene	23.784	252	14323	0.502	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.377	276	20034	0.505	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.394	278	15685	0.505	ng/ul	97
29) Benzo(g,h,i)perylene	27.145	276	17825	0.512	ng/ul	99

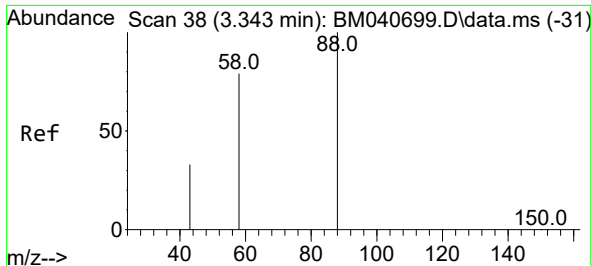
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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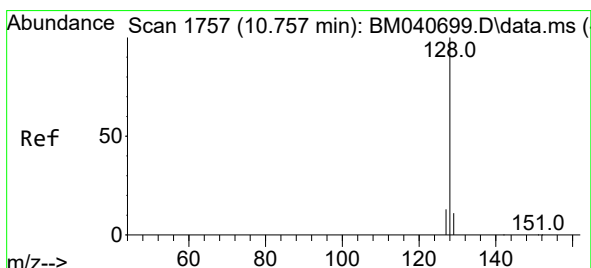
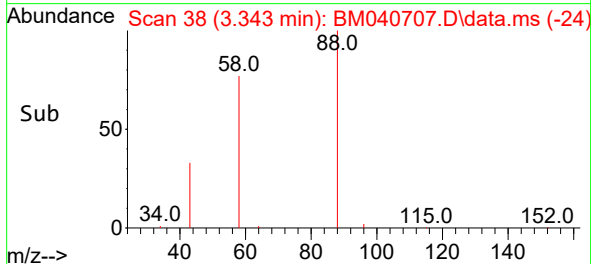
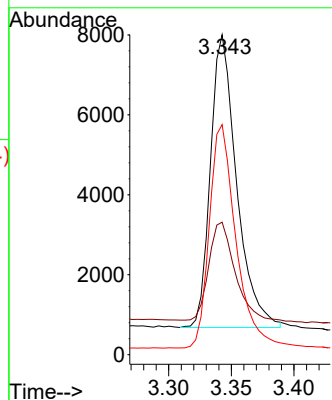
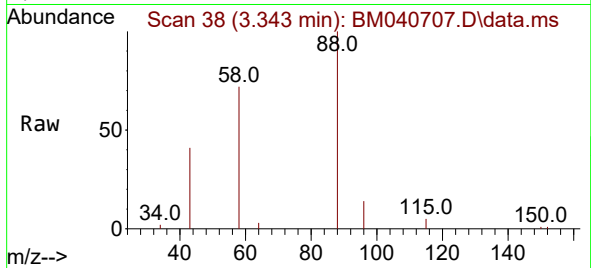




#2
1,4-Dioxane
Concen: 1.365 ng/ul
RT: 3.343 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

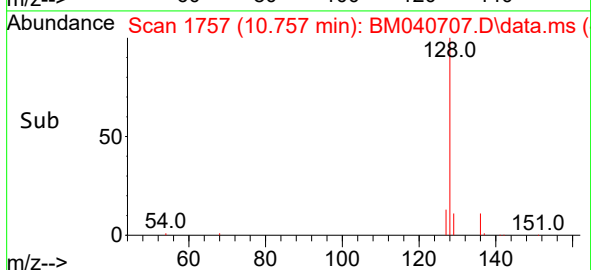
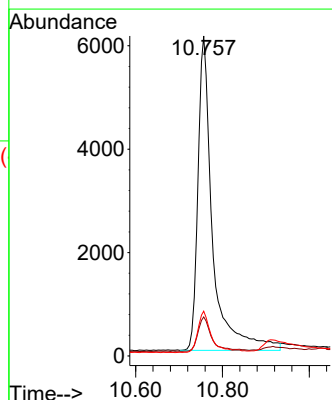
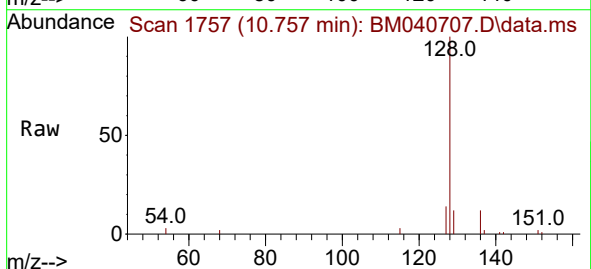
Instrument :
BNA_M
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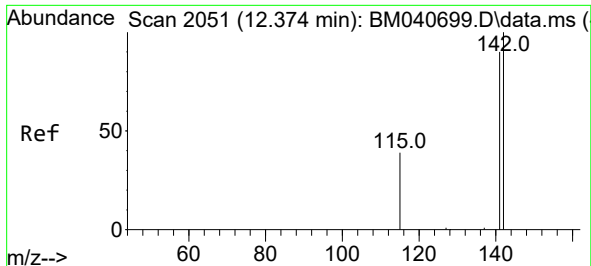
Tgt Ion: 88 Resp: 10625
Ion Ratio Lower Upper
88 100
43 41.4 36.1 54.1
58 71.9 49.8 74.8



#5
Naphthalene
Concen: 0.292 ng/ul
RT: 10.757 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion: 128 Resp: 14291
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 14.0 10.6 15.8

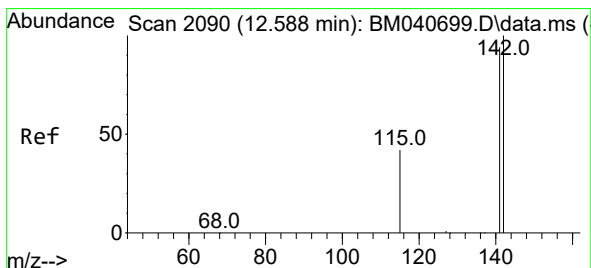
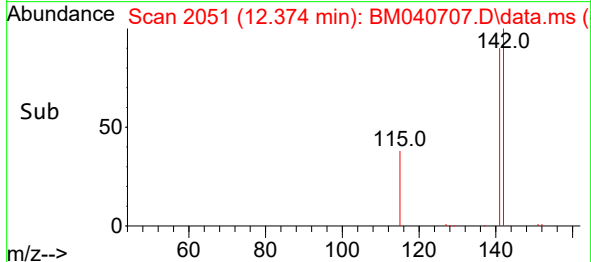
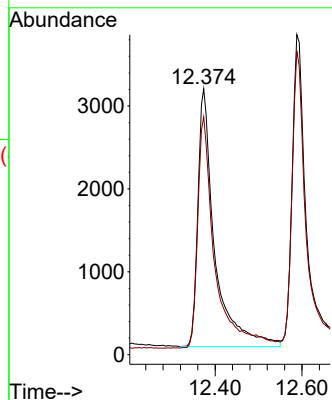
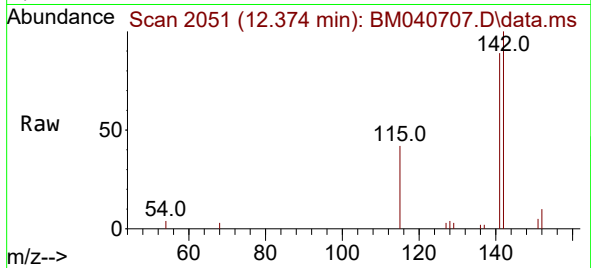




#7
2-Methylnaphthalene
Concen: 0.293 ng/ul
RT: 12.374 min Scan# 2051
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

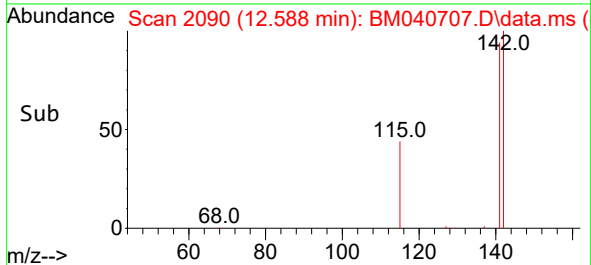
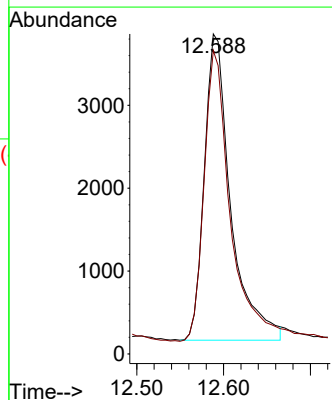
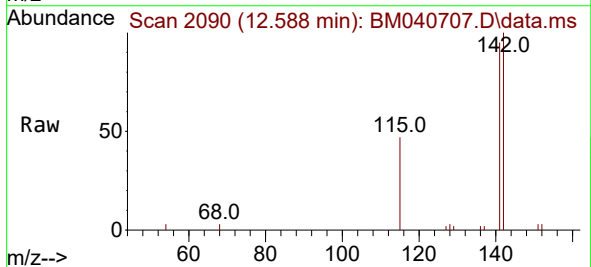
Instrument :
BNA_M
ClientSampleId :
SLCS638

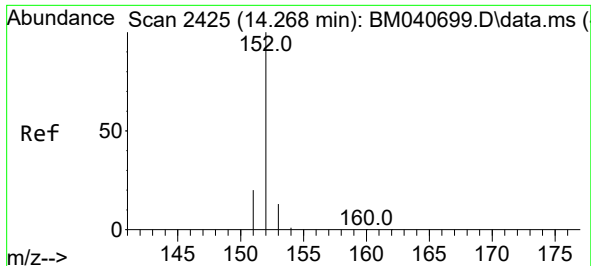
Tgt Ion:142 Resp: 8441
Ion Ratio Lower Upper
142 100
141 91.9 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.272 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion:142 Resp: 7828
Ion Ratio Lower Upper
142 100
141 94.5 73.7 110.5

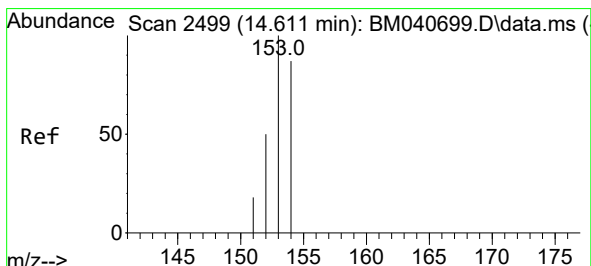
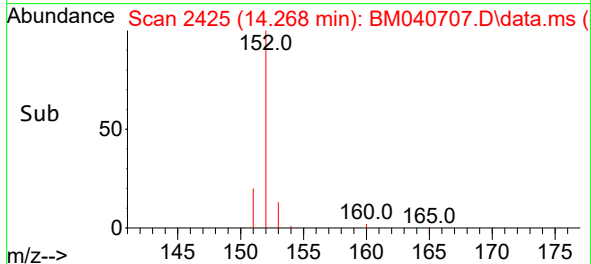
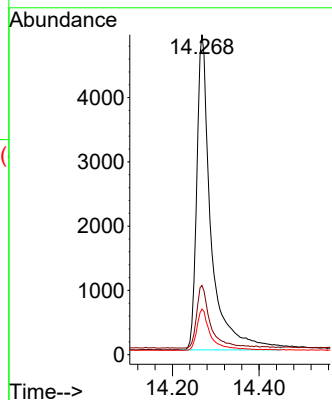
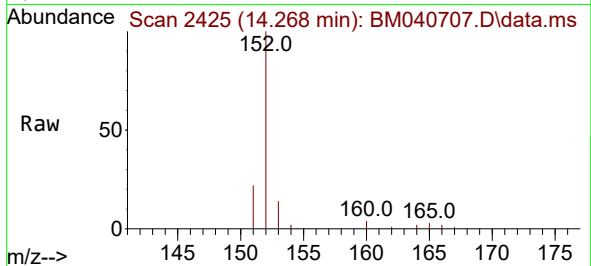




#10
Acenaphthylene
Concen: 0.310 ng/ul
RT: 14.268 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

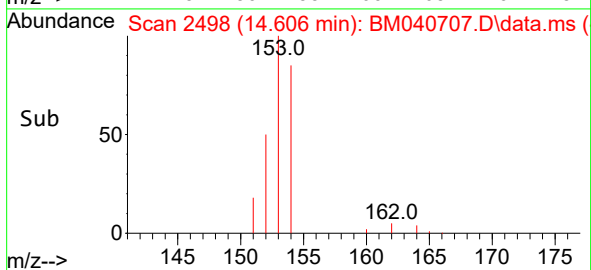
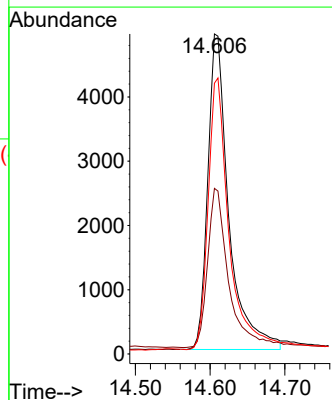
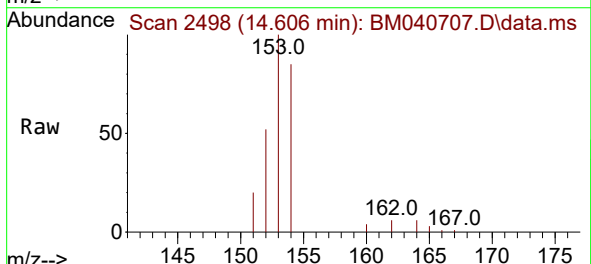
Instrument :
BNA_M
ClientSampleId :
SLCS638

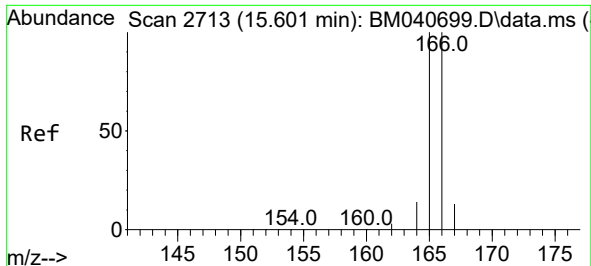
Tgt Ion:152 Resp: 11236
Ion Ratio Lower Upper
152 100
151 21.7 16.2 24.2
153 14.3 10.9 16.3



#11
Acenaphthene
Concen: 0.314 ng/ul
RT: 14.606 min Scan# 2498
Delta R.T. -0.005 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion:153 Resp: 9609
Ion Ratio Lower Upper
153 100
152 51.8 41.0 61.4
154 84.6 70.8 106.2

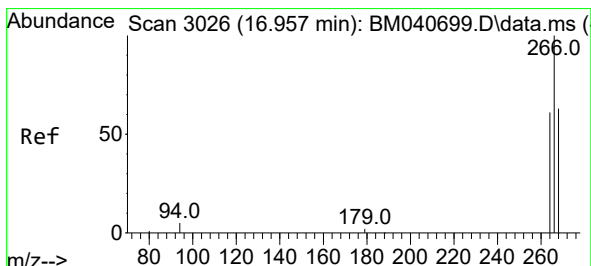
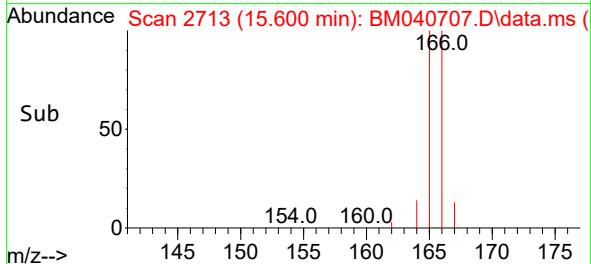
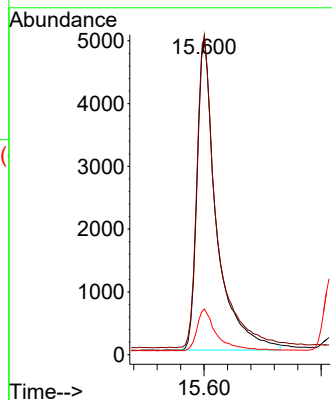
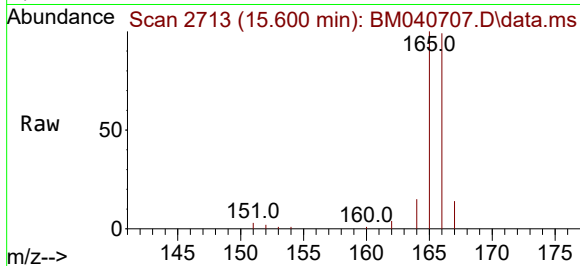




#12
Fluorene
Concen: 0.351 ng/ul
RT: 15.600 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

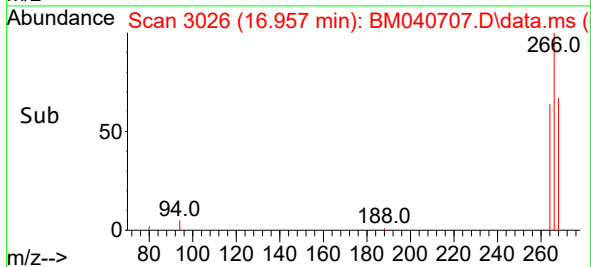
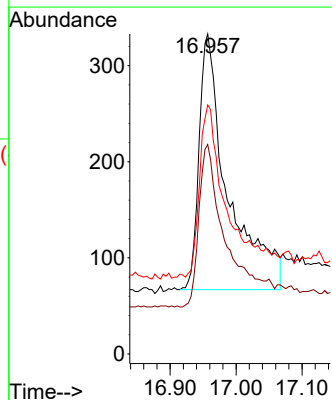
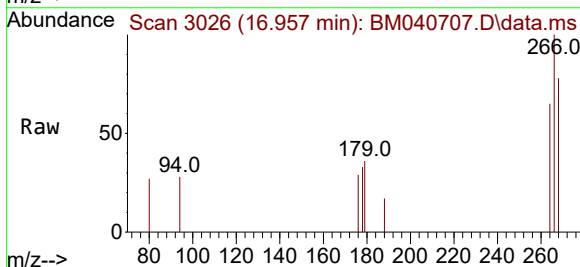
Instrument :
BNA_M
ClientSampleId :
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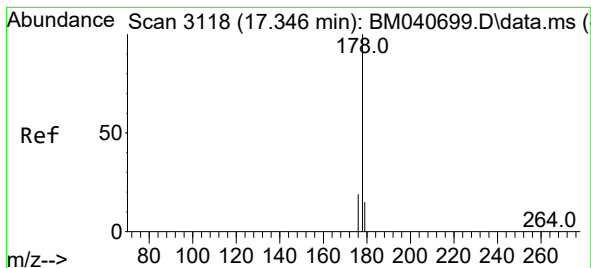
Tgt Ion:166 Resp: 11491
Ion Ratio Lower Upper
166 100
165 101.1 79.6 119.4
167 14.5 11.4 17.0



#14
Pentachlorophenol
Concen: 0.299 ng/ul
RT: 16.957 min Scan# 3026
Delta R.T. -0.000 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion:266 Resp: 810
Ion Ratio Lower Upper
266 100
264 63.7 45.4 68.0
268 66.0 47.2 70.8





#15

Phenanthrene

Concen: 0.412 ng/ul

RT: 17.341 min Scan# 3117

Delta R.T. -0.004 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

Instrument :

BNA_M

ClientSampleId :

SLCS638

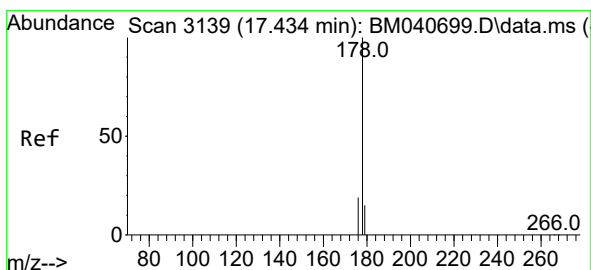
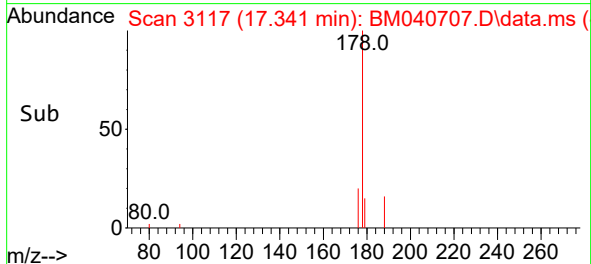
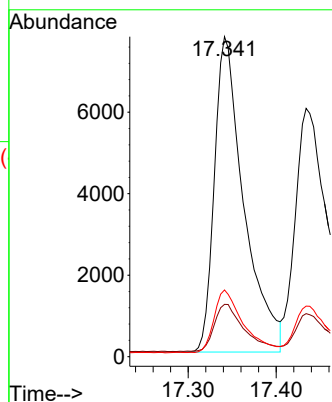
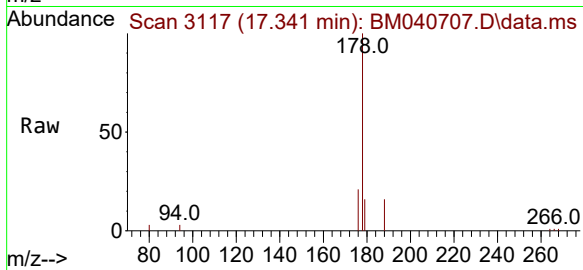
Tgt Ion:178 Resp: 17987

Ion Ratio Lower Upper

178 100

179 16.3 12.8 19.2

176 20.9 16.4 24.6



#16

Anthracene

Concen: 0.431 ng/ul

RT: 17.434 min Scan# 3139

Delta R.T. -0.000 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

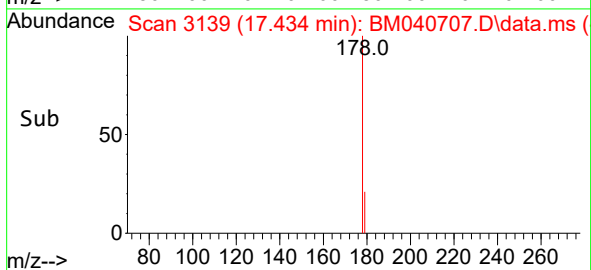
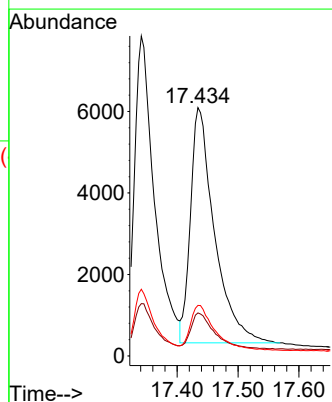
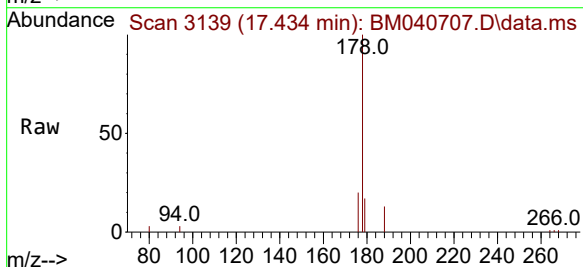
Tgt Ion:178 Resp: 15817

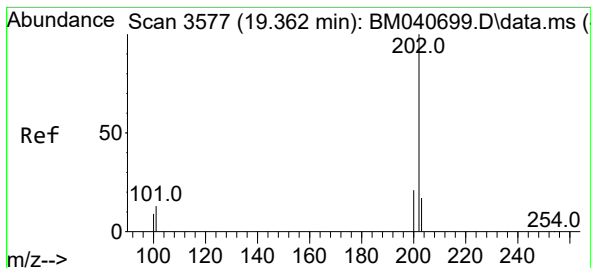
Ion Ratio Lower Upper

178 100

179 17.4 12.9 19.3

176 20.4 15.8 23.6





#19

Fluoranthene

Concen: 0.518 ng/ul

RT: 19.361 min Scan# 3577

Delta R.T. -0.000 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

Instrument :

BNA_M

ClientSampleId :

SLCS638

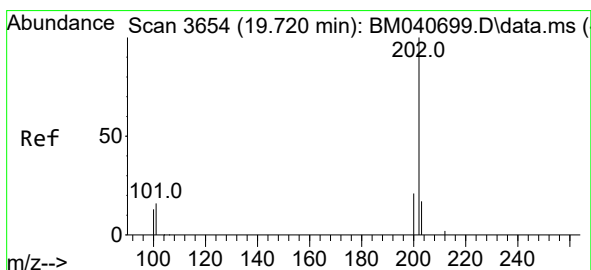
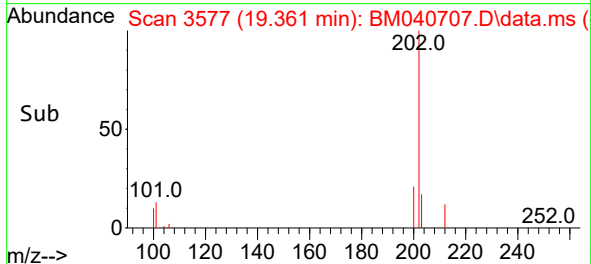
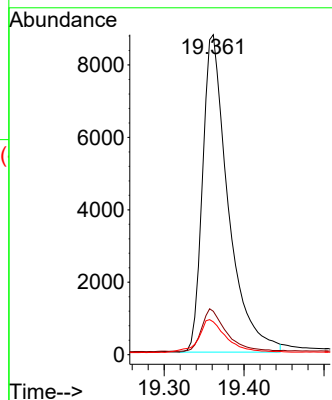
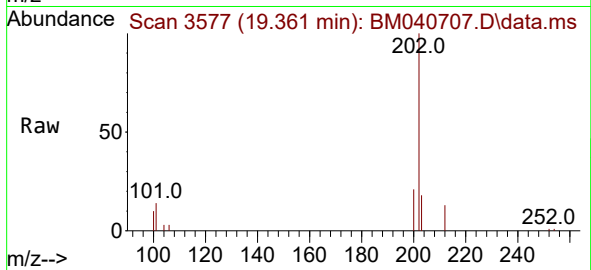
Tgt Ion:202 Resp: 19522

Ion Ratio Lower Upper

202 100

101 13.6 11.4 17.0

100 10.3 8.7 13.1



#20

Pyrene

Concen: 0.501 ng/ul

RT: 19.719 min Scan# 3654

Delta R.T. -0.000 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

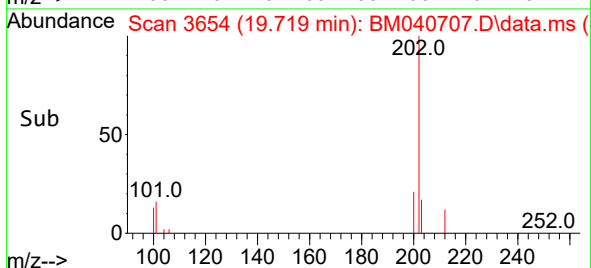
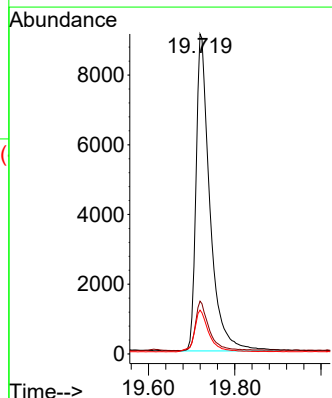
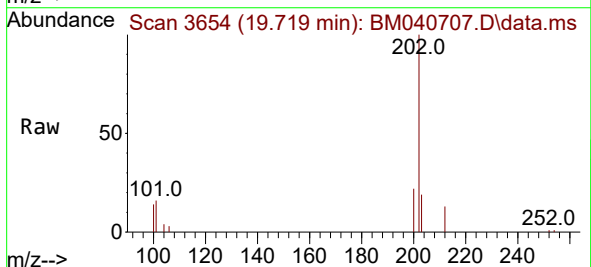
Tgt Ion:202 Resp: 20250

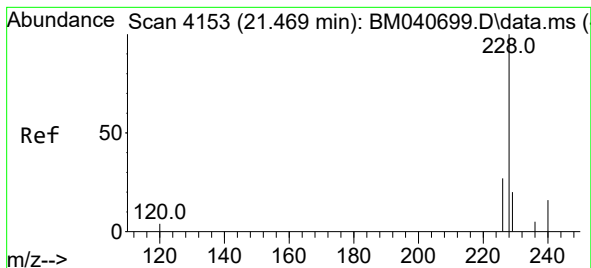
Ion Ratio Lower Upper

202 100

101 16.5 12.6 18.8

100 13.7 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.507 ng/ul

RT: 21.471 min Scan# 4154

Delta R.T. 0.003 min

Lab File: BM040707.D

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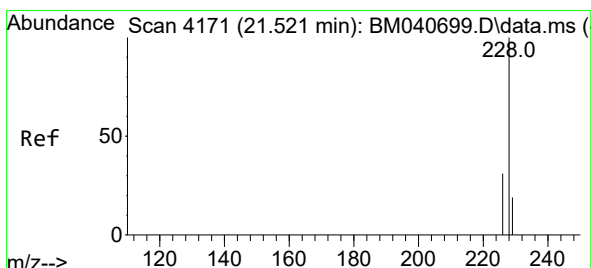
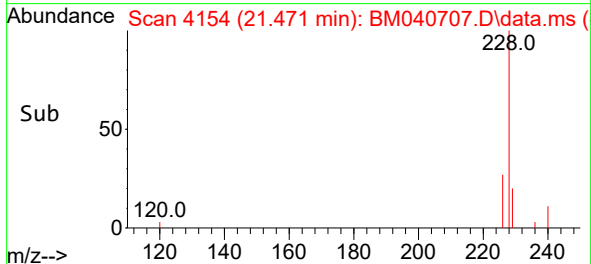
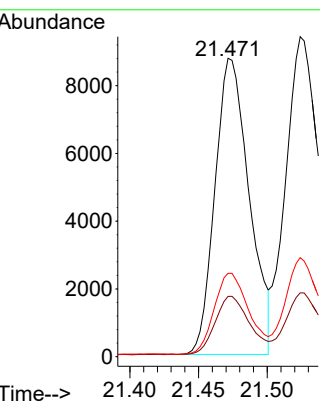
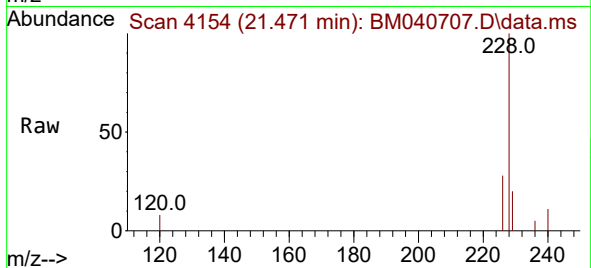
Tgt Ion:228 Resp: 15207

Ion Ratio Lower Upper

228 100

229 20.2 16.0 24.0

226 28.0 22.3 33.5



#22

Chrysene

Concen: 0.502 ng/ul

RT: 21.524 min Scan# 4172

Delta R.T. 0.003 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

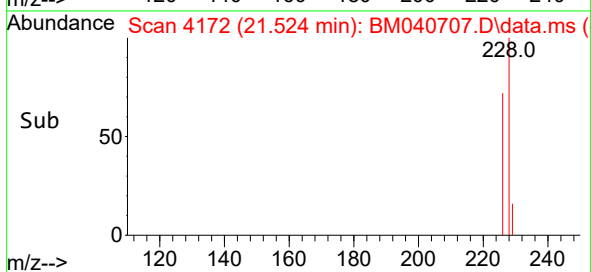
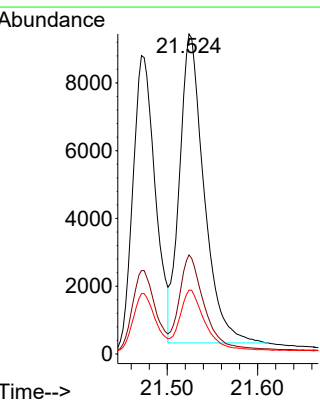
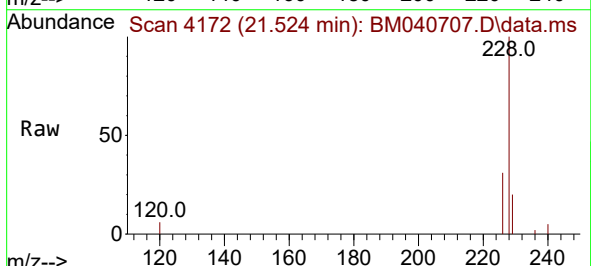
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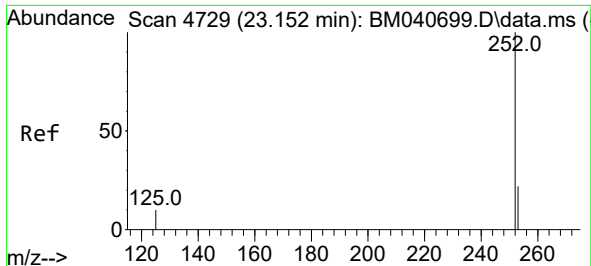
Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 19.9 15.8 23.6

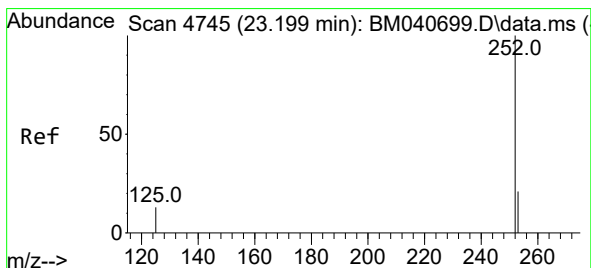
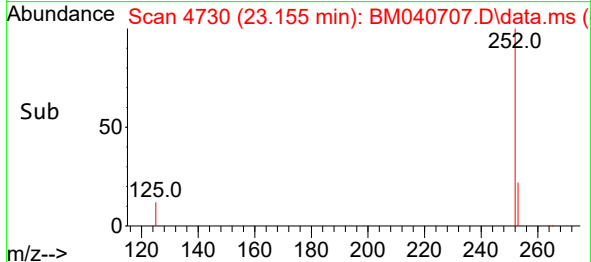
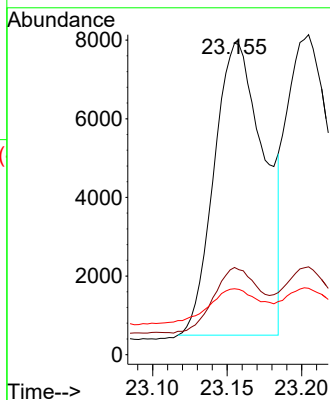
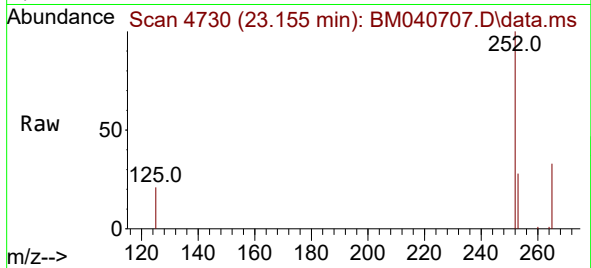




#24
Benzo(b)fluoranthene
Concen: 0.547 ng/ul
RT: 23.155 min Scan# 4730
Delta R.T. 0.003 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

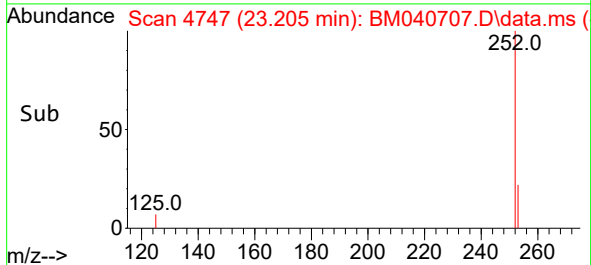
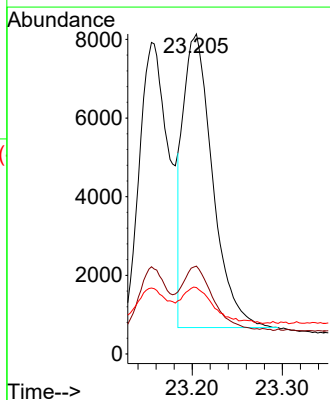
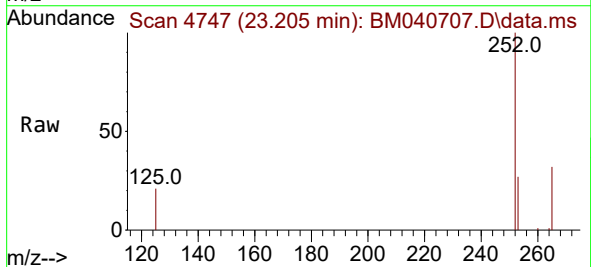
Instrument :
BNA_M
ClientSampleId :
SLCS638

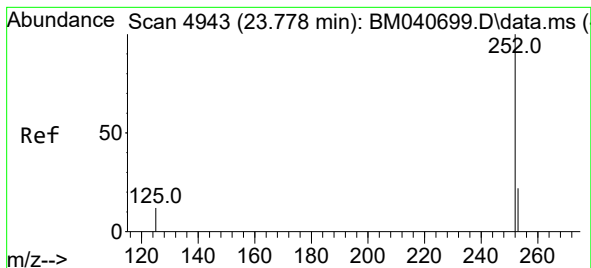
Tgt Ion:252 Resp: 17309
Ion Ratio Lower Upper
252 100
253 28.0 0.0 52.8
125 21.2 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.542 ng/ul
RT: 23.205 min Scan# 4747
Delta R.T. 0.006 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion:252 Resp: 16902
Ion Ratio Lower Upper
252 100
253 27.4 21.2 31.8
125 20.8 16.4 24.6





#26

Benzo(a)pyrene

Concen: 0.502 ng/ul

RT: 23.784 min Scan# 4943

Delta R.T. 0.006 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

Instrument :

BNA_M

ClientSampleId :

SLCS638

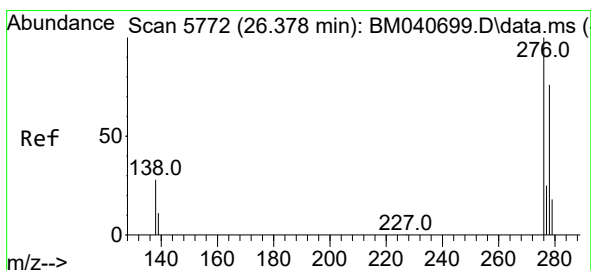
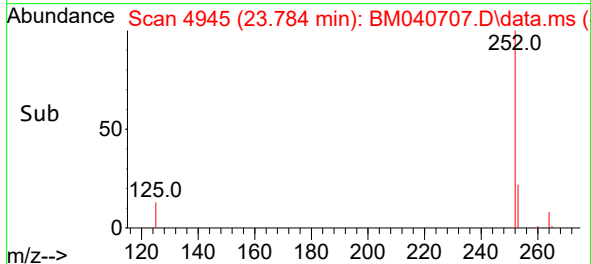
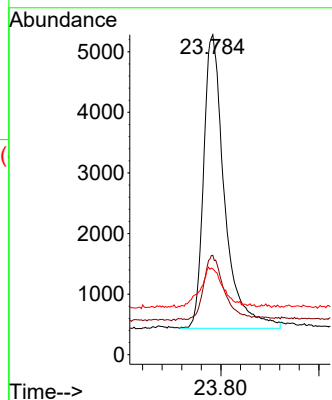
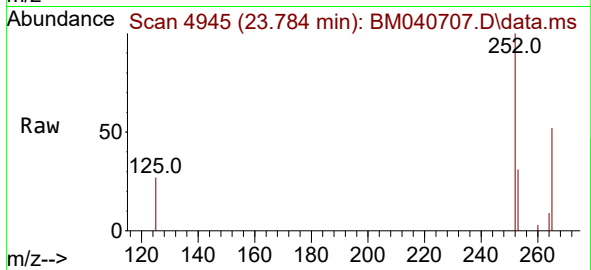
Tgt Ion:252 Resp: 14323

Ion Ratio Lower Upper

252 100

253 31.0 22.9 34.3

125 26.9 21.0 31.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.505 ng/ul

RT: 26.377 min Scan# 5772

Delta R.T. -0.000 min

Lab File: BM040707.D

Acq: 07 Jul 2023 10:41

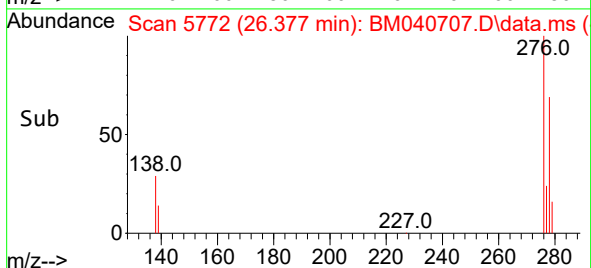
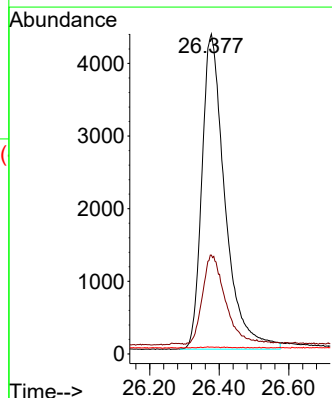
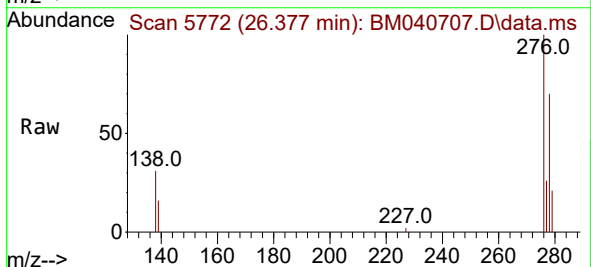
Tgt Ion:276 Resp: 20034

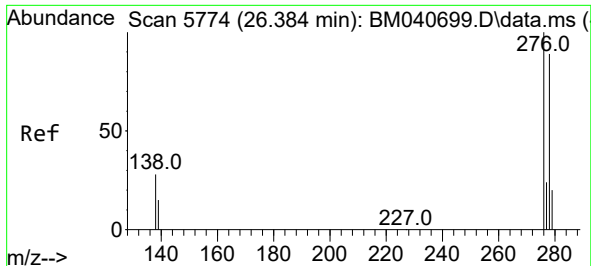
Ion Ratio Lower Upper

276 100

138 28.5 24.5 36.7

227 0.1 0.1 0.1#

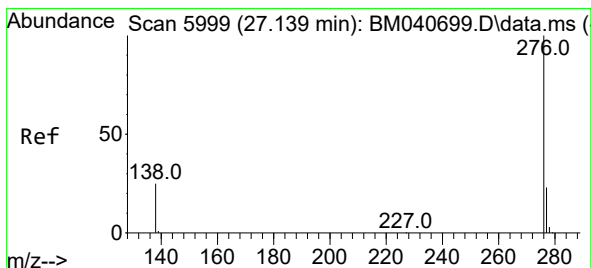
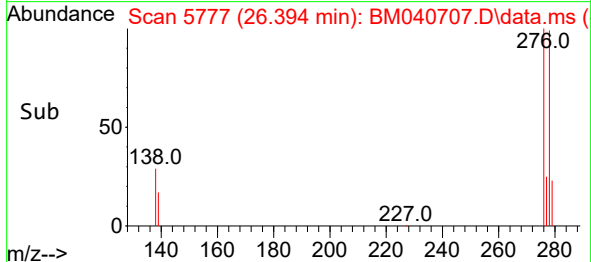
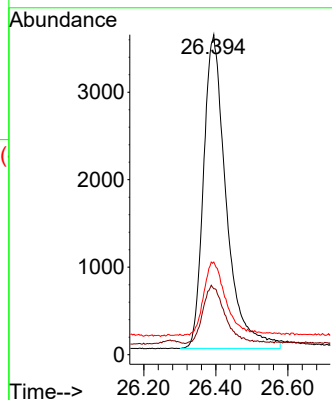
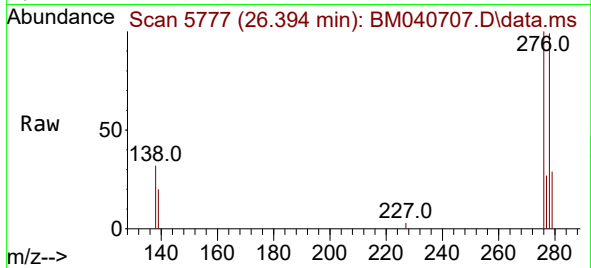




#28
Dibenzo(a,h)anthracene
Concen: 0.505 ng/ul
RT: 26.394 min Scan# 51
Delta R.T. 0.010 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Instrument :
BNA_M
ClientSampleId :
SLCS638

Tgt Ion:278 Resp: 15685
Ion Ratio Lower Upper
278 100
139 20.6 17.9 26.9
279 28.9 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 0.512 ng/ul
RT: 27.145 min Scan# 6001
Delta R.T. 0.006 min
Lab File: BM040707.D
Acq: 07 Jul 2023 10:41

Tgt Ion:276 Resp: 17825
Ion Ratio Lower Upper
276 100
138 27.5 23.0 34.6
277 25.2 20.3 30.5

