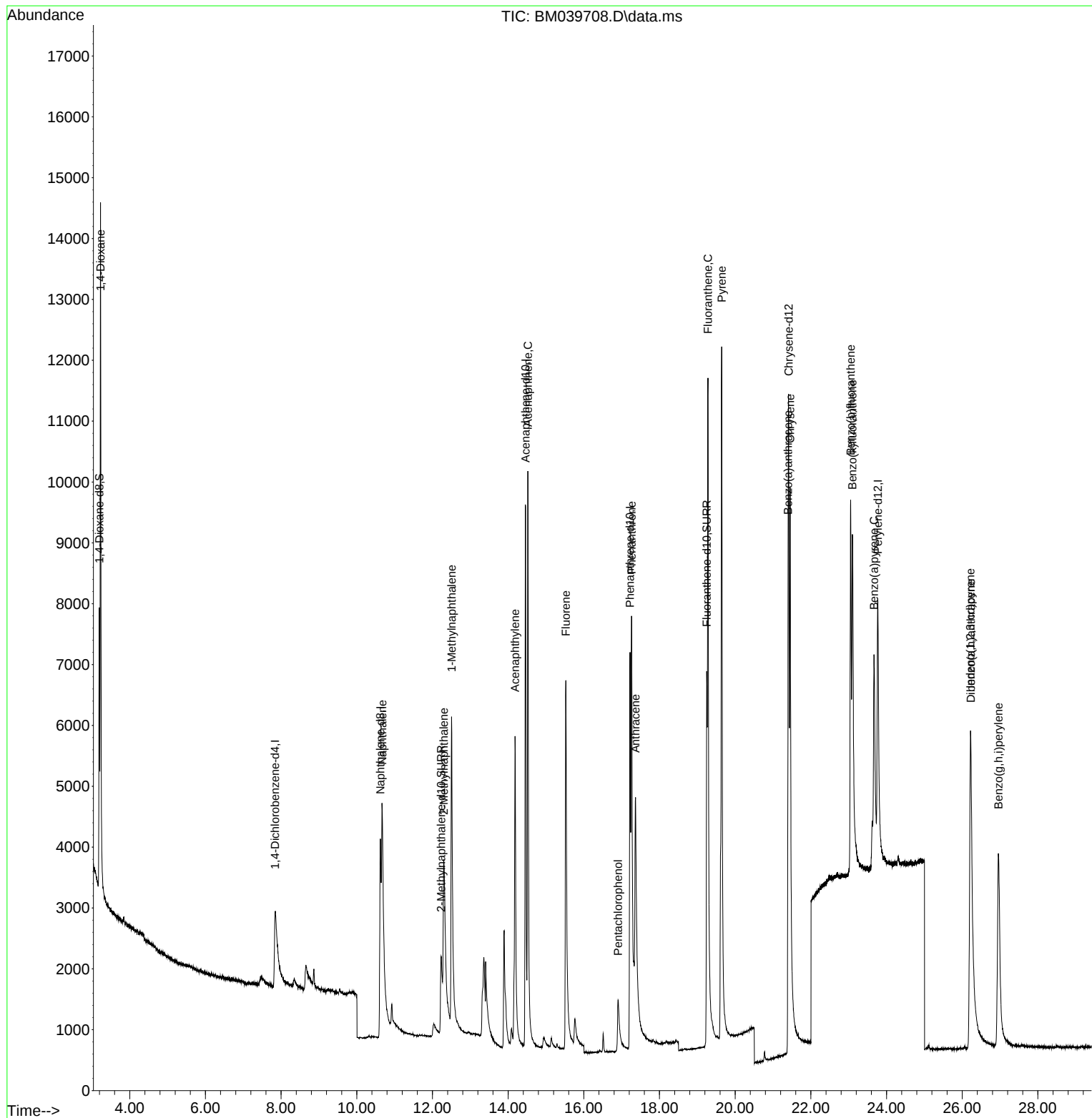
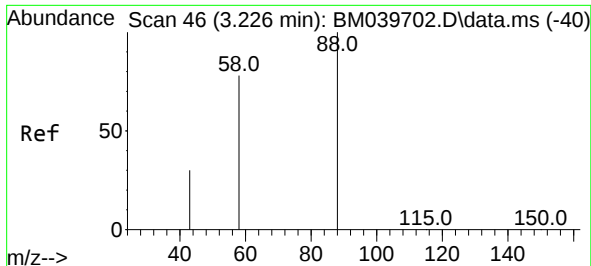


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
Data File : BM039708.D
Acq On : 27 Apr 2023 14:48
Operator : CG/JU
Sample : PB152345BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS345

Quant Time: Apr 27 23:16:48 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 22:46:26 2023
Response via : Initial Calibration

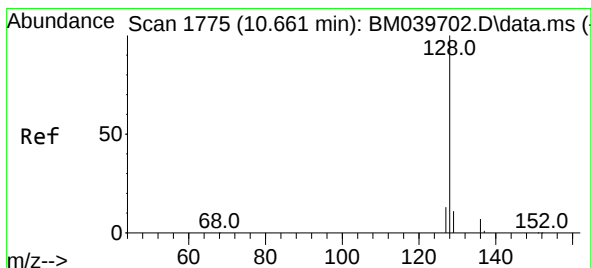
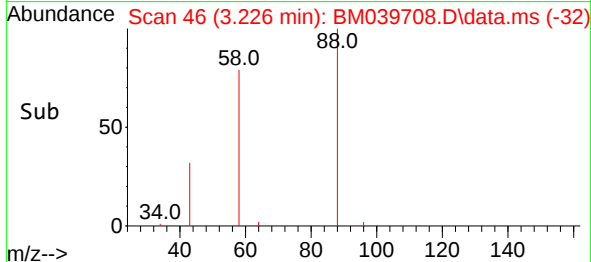
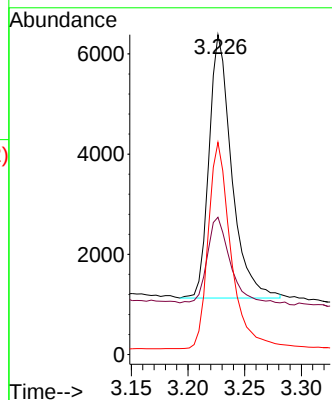
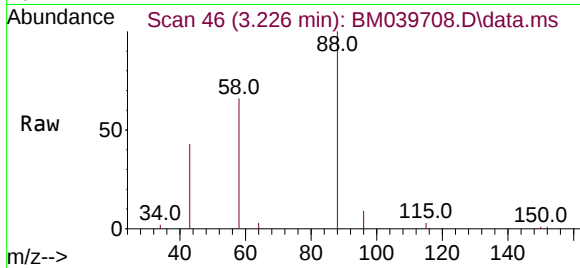




#2
1,4-Dioxane
Concen: 1.923 ng/ul
RT: 3.226 min Scan# 46
Delta R.T. -0.000 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

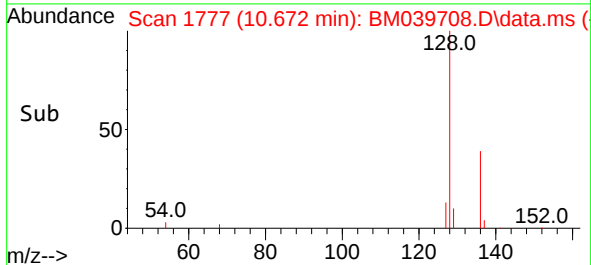
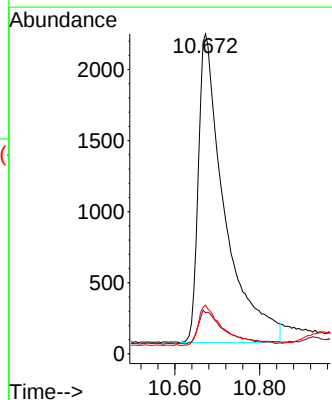
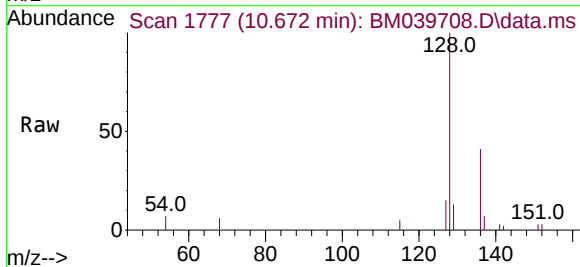
Instrument :
BNA_M
ClientSampleId :
SLCS345

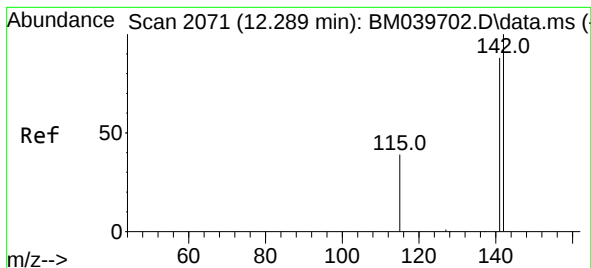
Tgt Ion: 88 Resp: 7305
Ion Ratio Lower Upper
88 100
43 42.9 102.6 153.8#
58 66.3 40.6 61.0#



#5
Naphthalene
Concen: 0.341 ng/ul
RT: 10.672 min Scan# 1777
Delta R.T. 0.011 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion: 128 Resp: 9278
Ion Ratio Lower Upper
128 100
129 12.8 9.8 14.6
127 15.3 11.1 16.7

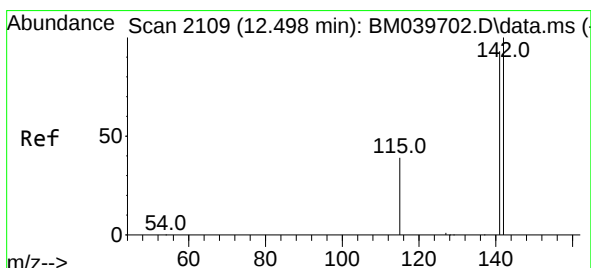
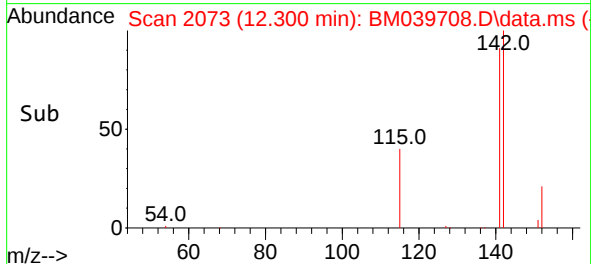
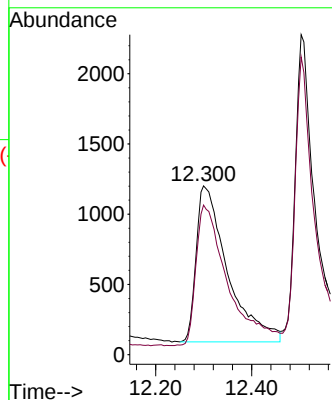
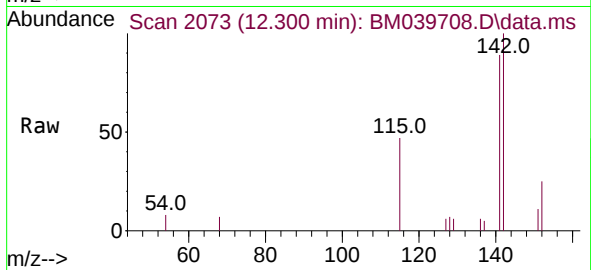




#7
2-Methylnaphthalene
Concen: 0.321 ng/ul
RT: 12.300 min Scan# 2071
Delta R.T. 0.011 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

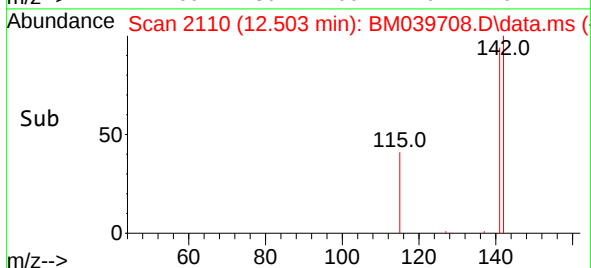
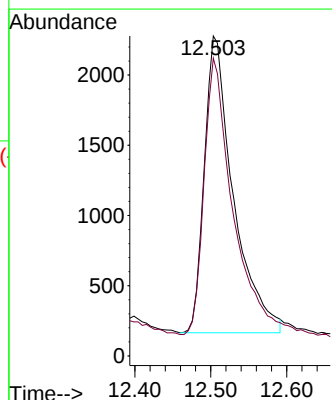
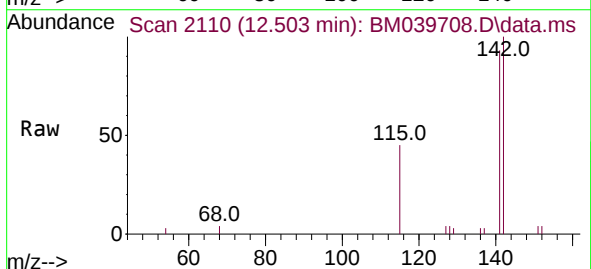
Instrument :
BNA_M
ClientSampleId :
SLCS345

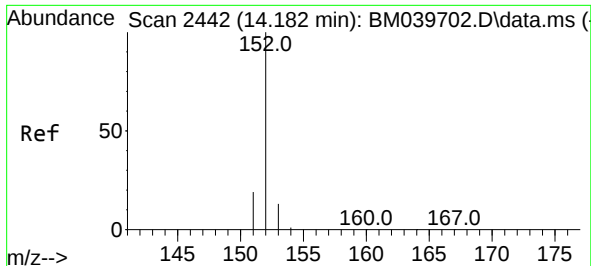
Tgt Ion:142 Resp: 5046
Ion Ratio Lower Upper
142 100
141 92.3 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.005 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:142 Resp: 5612
Ion Ratio Lower Upper
142 100
141 91.5 73.4 110.2

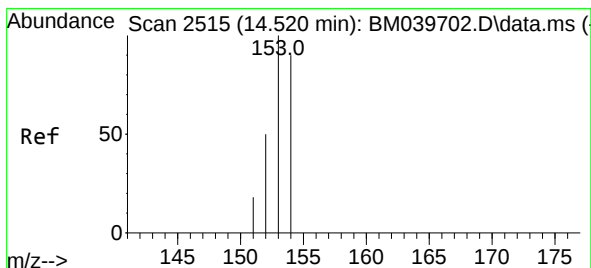
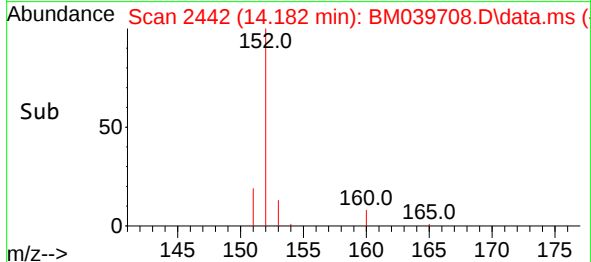
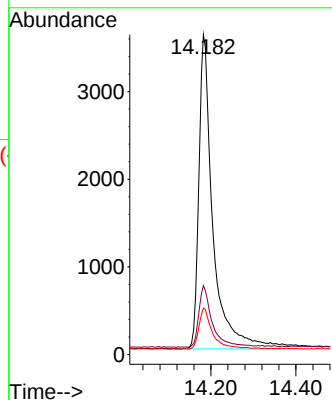
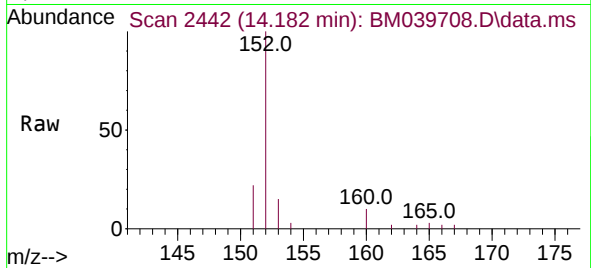




#10
Acenaphthylene
Concen: 0.335 ng/ul
RT: 14.182 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

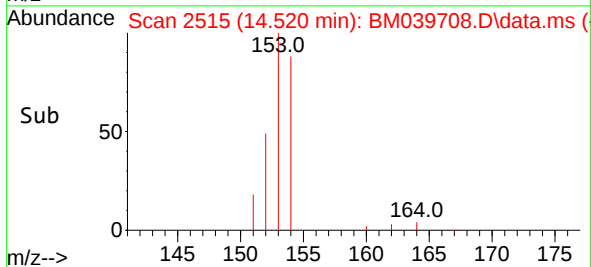
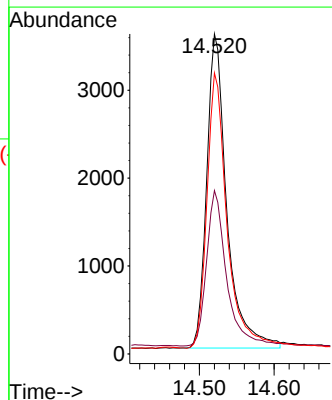
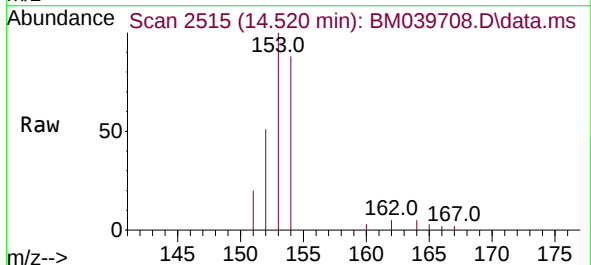
Instrument :
BNA_M
ClientSampleId :
SLCS345

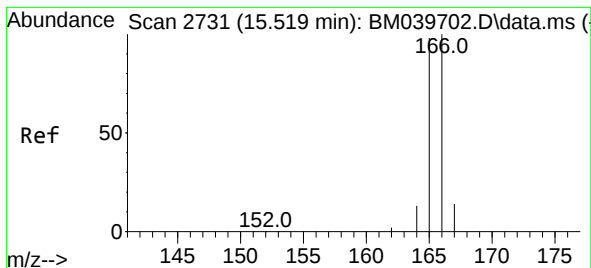
Tgt Ion:152 Resp: 8244
Ion Ratio Lower Upper
152 100
151 21.5 16.0 24.0
153 14.5 11.2 16.8



#11
Acenaphthene
Concen: 0.346 ng/ul
RT: 14.520 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:153 Resp: 6702
Ion Ratio Lower Upper
153 100
152 51.0 40.6 61.0
154 87.8 71.9 107.9





#12

Fluorene

Concen: 0.329 ng/ul

RT: 15.524 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

Instrument :

BNA_M

ClientSampleId :

SLCS345

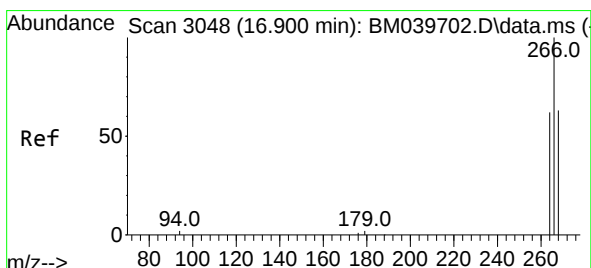
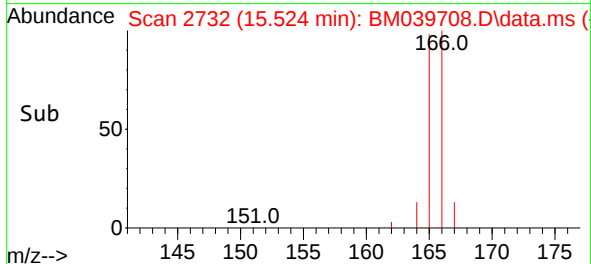
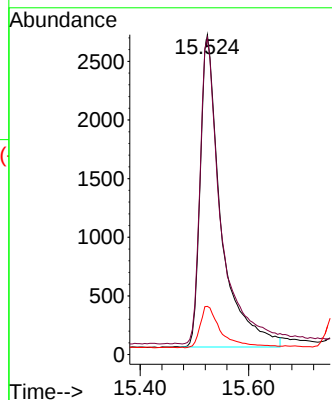
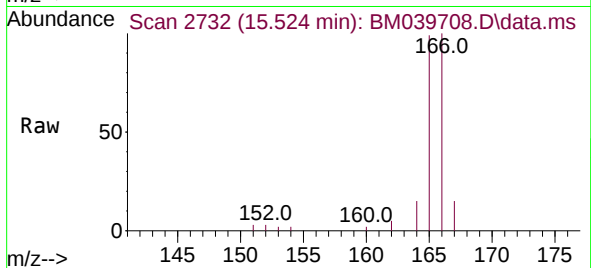
Tgt Ion:166 Resp: 7070

Ion Ratio Lower Upper

166 100

165 99.1 79.0 118.6

167 15.1 11.8 17.6



#14

Pentachlorophenol

Concen: 0.527 ng/ul

RT: 16.904 min Scan# 3049

Delta R.T. 0.004 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

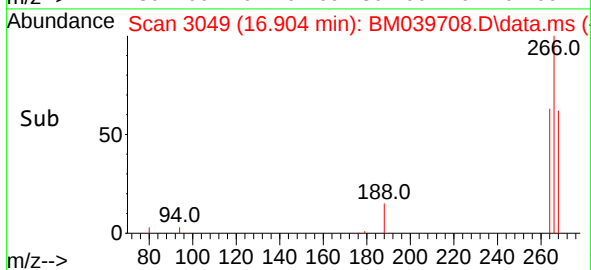
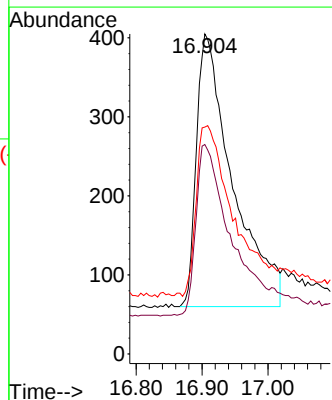
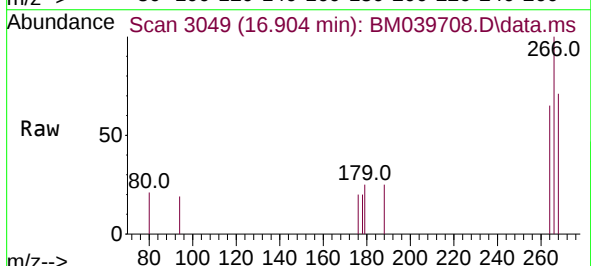
Tgt Ion:266 Resp: 1309

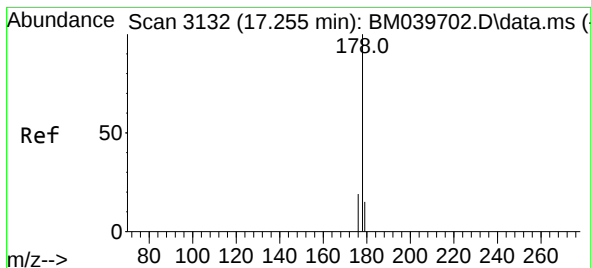
Ion Ratio Lower Upper

266 100

264 63.0 48.8 73.2

268 64.9 50.4 75.6





#15

Phenanthrene

Concen: 0.347 ng/ul

RT: 17.263 min Scan# 3132

Delta R.T. 0.008 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

Instrument :

BNA_M

ClientSampleId :

SLCS345

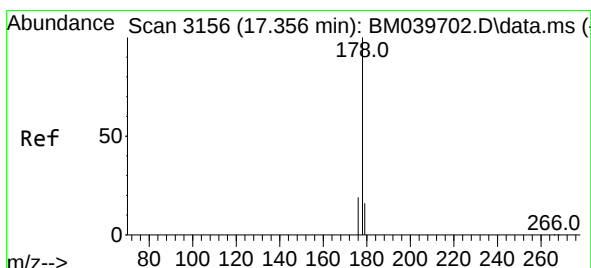
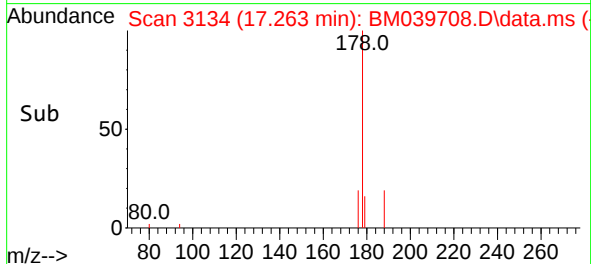
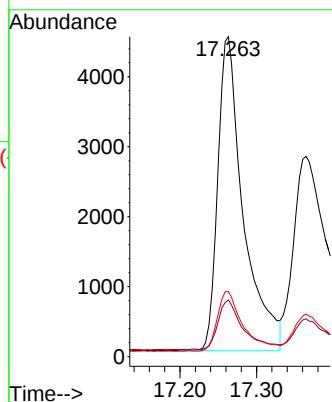
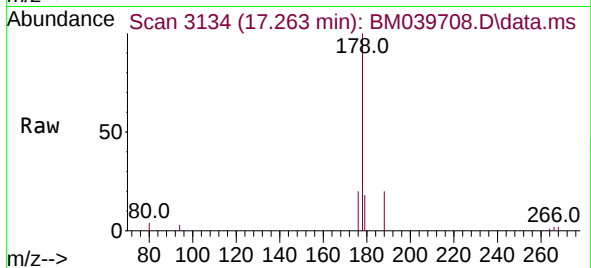
Tgt Ion:178 Resp: 10408

Ion Ratio Lower Upper

178 100

179 17.7 13.0 19.6

176 20.3 15.8 23.8



#16

Anthracene

Concen: 0.315 ng/ul

RT: 17.364 min Scan# 3158

Delta R.T. 0.008 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

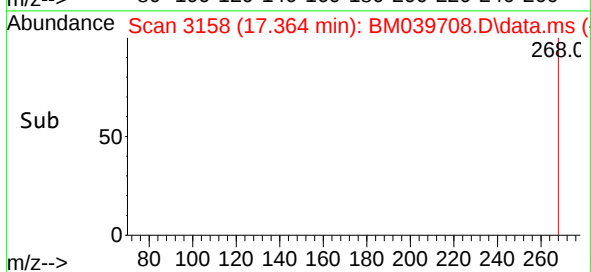
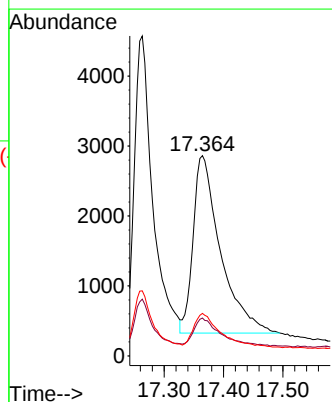
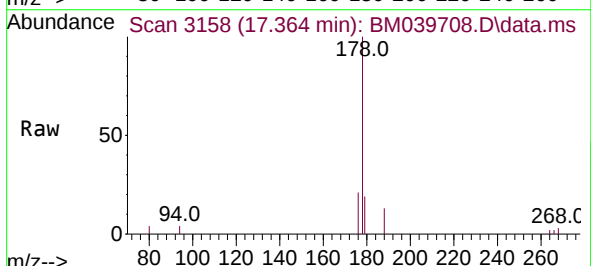
Tgt Ion:178 Resp: 8114

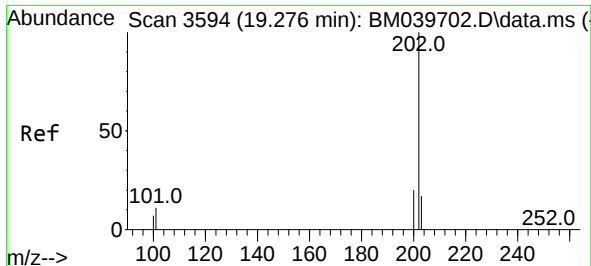
Ion Ratio Lower Upper

178 100

179 18.9 13.8 20.6

176 21.2 15.8 23.8

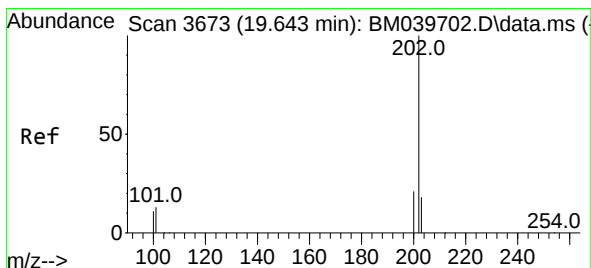
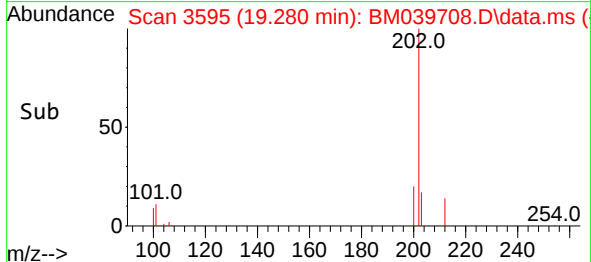
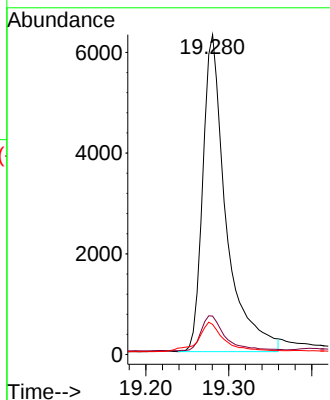
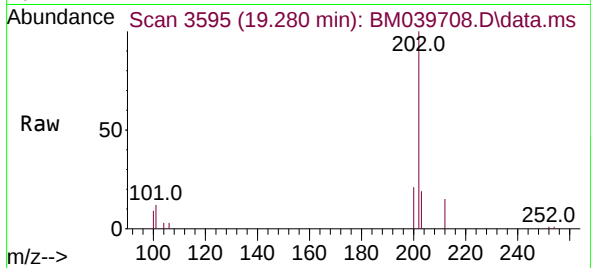




#19
Fluoranthene
Concen: 0.373 ng/ul
RT: 19.280 min Scan# 3595
Delta R.T. 0.005 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

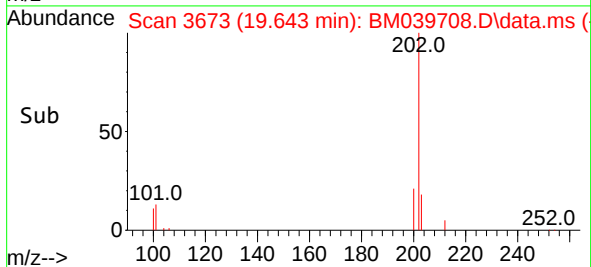
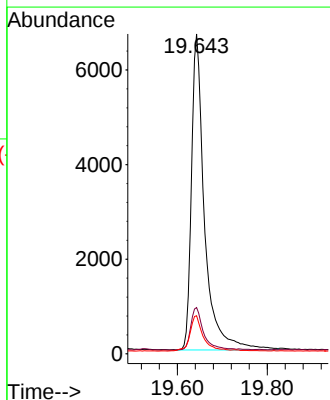
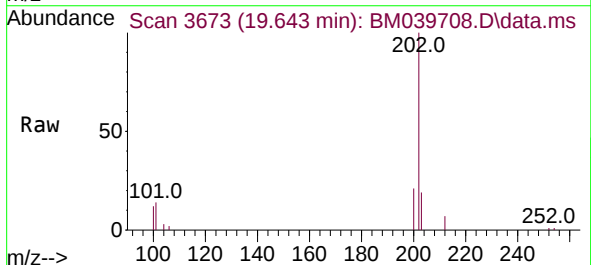
Instrument :
BNA_M
ClientSampleId :
SLCS345

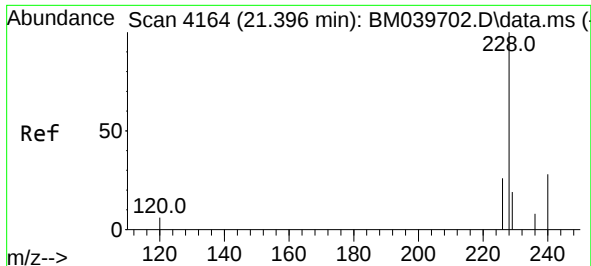
Tgt Ion:202 Resp: 12251
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
100 9.4 7.3 10.9



#20
Pyrene
Concen: 0.381 ng/ul
RT: 19.643 min Scan# 3673
Delta R.T. -0.000 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:202 Resp: 13511
Ion Ratio Lower Upper
202 100
101 14.5 10.9 16.3
100 11.9 8.9 13.3

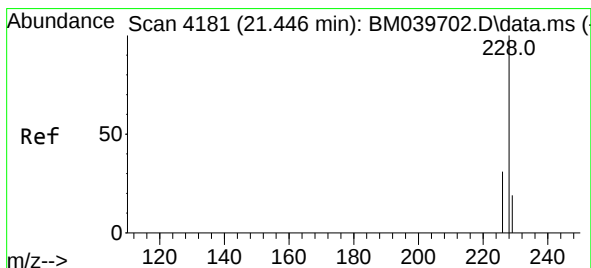
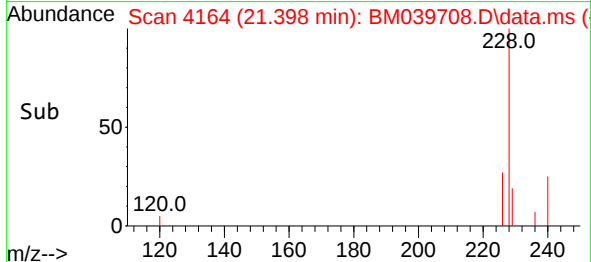
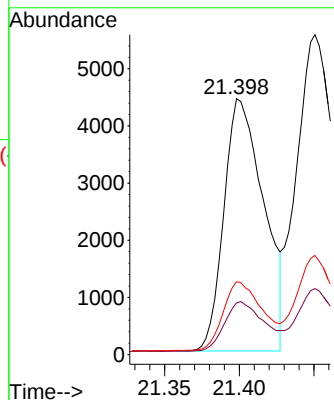
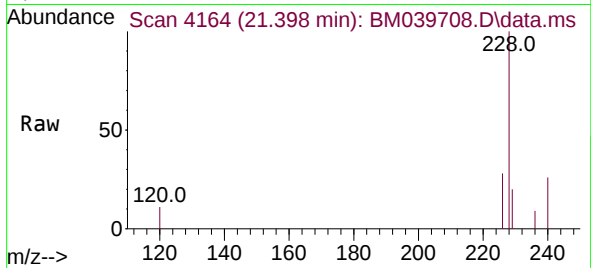




#21
Benzo(a)anthracene
Concen: 0.310 ng/ul
RT: 21.398 min Scan# 4164
Delta R.T. 0.002 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

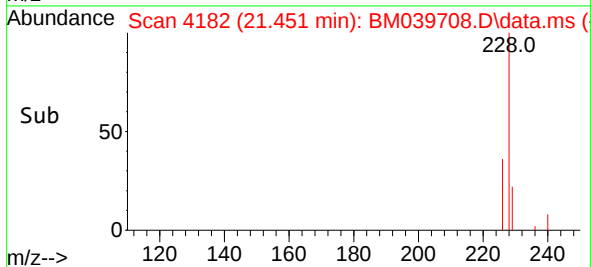
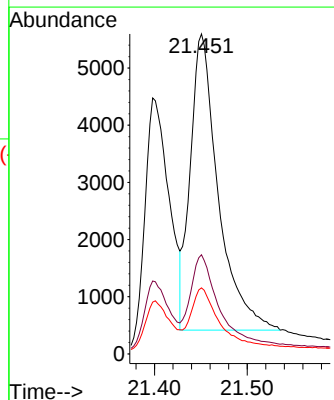
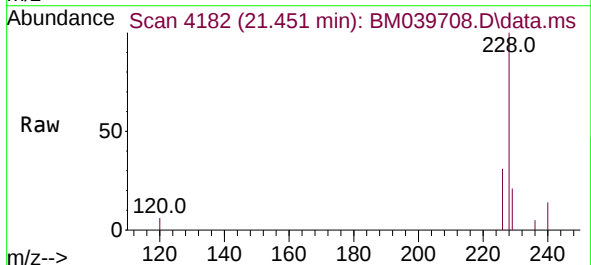
Instrument :
BNA_M
ClientSampleId :
SLCS345

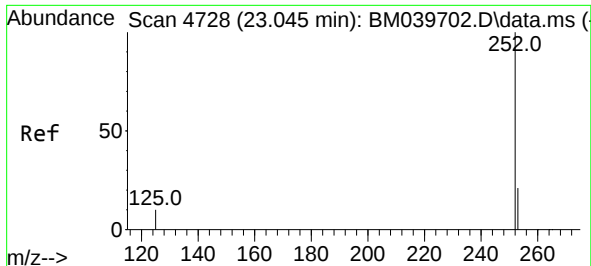
Tgt Ion:228 Resp: 8203
Ion Ratio Lower Upper
228 100
229 20.2 16.2 24.2
226 28.5 21.6 32.4



#22
Chrysene
Concen: 0.362 ng/ul
RT: 21.451 min Scan# 4182
Delta R.T. 0.005 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:228 Resp: 10854
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 20.6 15.9 23.9

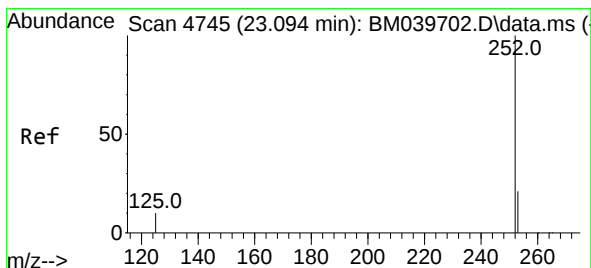
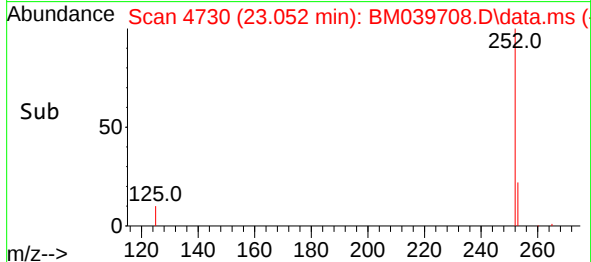
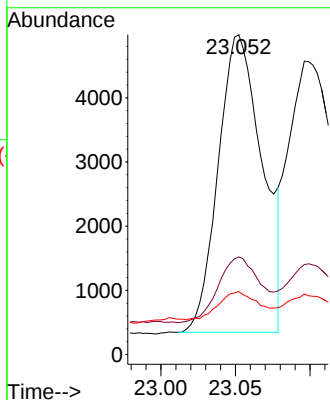
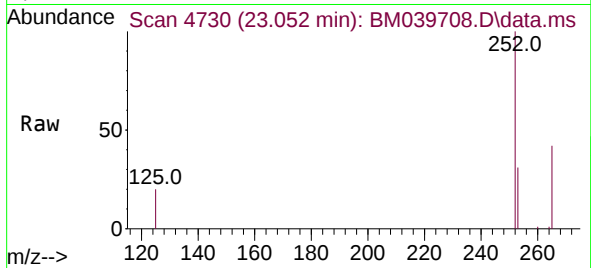




#24
Benzo(b)fluoranthene
Concen: 0.356 ng/ul
RT: 23.052 min Scan# 4730
Delta R.T. 0.008 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

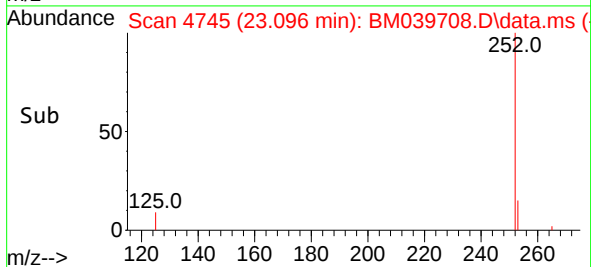
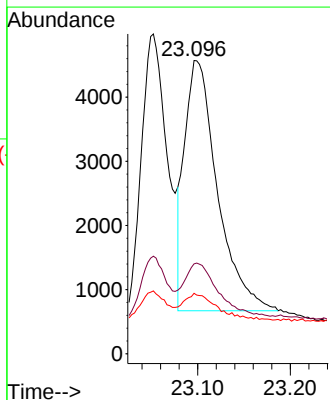
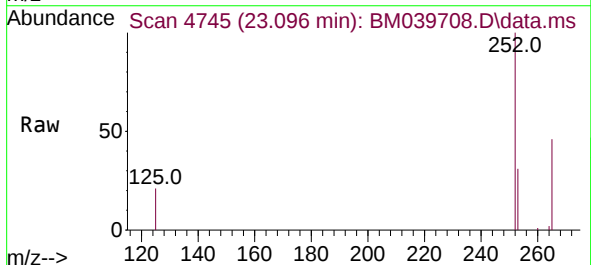
Instrument :
BNA_M
ClientSampleId :
SLCS345

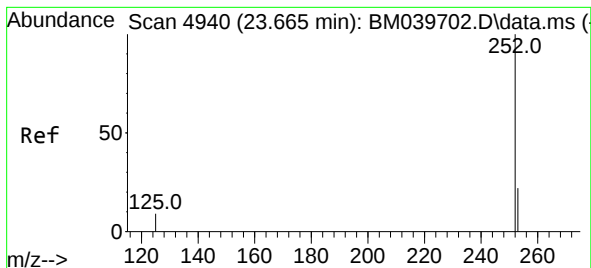
Tgt Ion:252	Resp:	9560
Ion Ratio	Lower	Upper
252	100	
253	30.5	0.0 52.8
125	19.7	0.0 31.6



#25
Benzo(k)fluoranthene
Concen: 0.352 ng/ul
RT: 23.096 min Scan# 4745
Delta R.T. 0.002 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:252	Resp:	9629
Ion Ratio	Lower	Upper
252	100	
253	30.7	21.3 31.9
125	20.6	13.0 19.6#





#26

Benzo(a)pyrene

Concen: 0.354 ng/ul

RT: 23.669 min Scan# 4940

Delta R.T. 0.005 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

Instrument :

BNA_M

ClientSampleId :

SLCS345

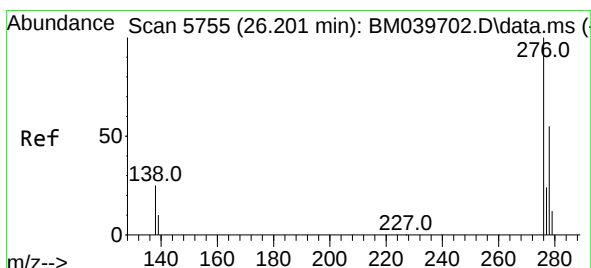
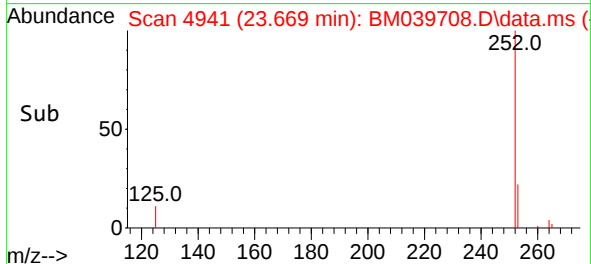
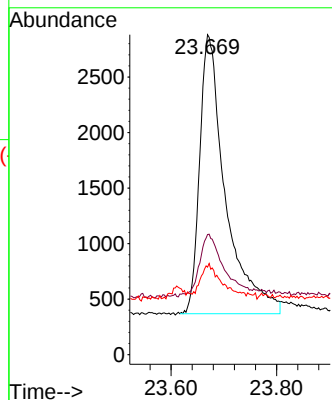
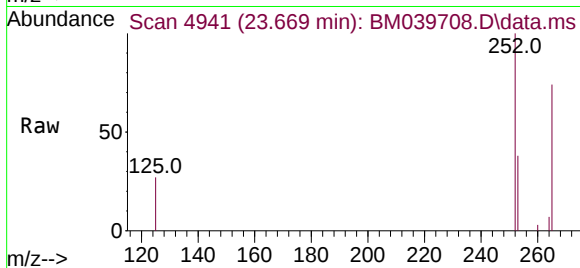
Tgt Ion:252 Resp: 8536

Ion Ratio Lower Upper

252 100

253 37.5 24.7 37.1#

125 27.3 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.359 ng/ul

RT: 26.216 min Scan# 5759

Delta R.T. 0.015 min

Lab File: BM039708.D

Acq: 27 Apr 2023 14:48

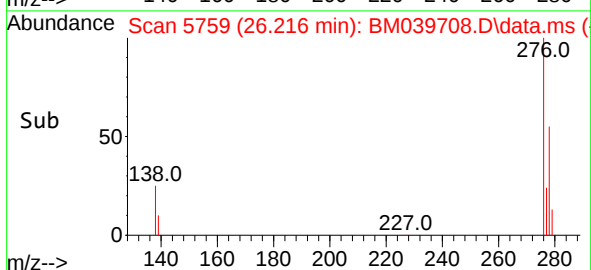
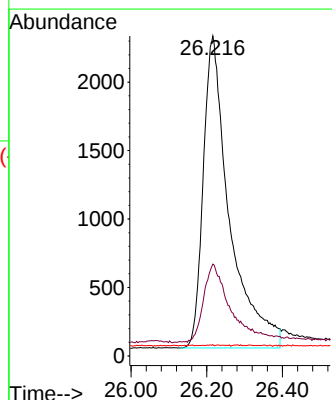
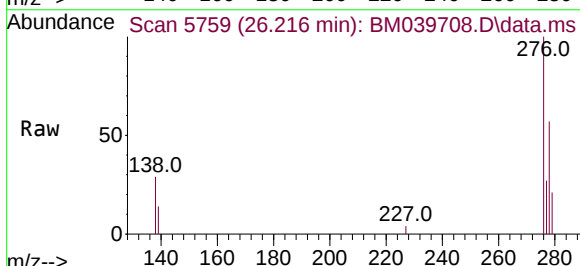
Tgt Ion:276 Resp: 10962

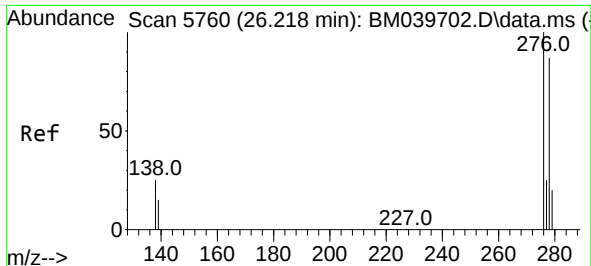
Ion Ratio Lower Upper

276 100

138 25.7 21.1 31.7

227 0.1 0.1 0.1

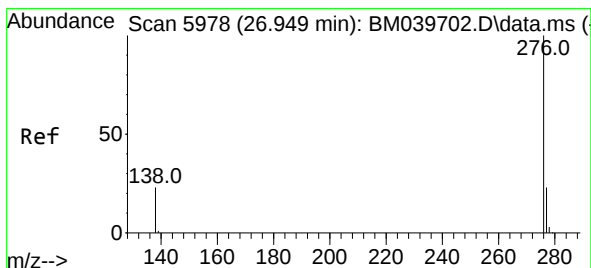
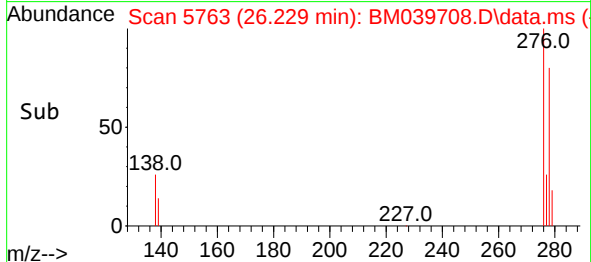
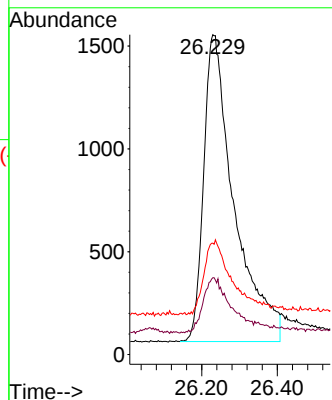
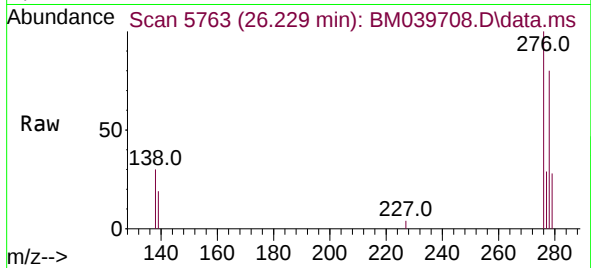




#28
Dibenzo(a,h)anthracene
Concen: 0.353 ng/ul
RT: 26.229 min Scan# 51
Delta R.T. 0.012 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

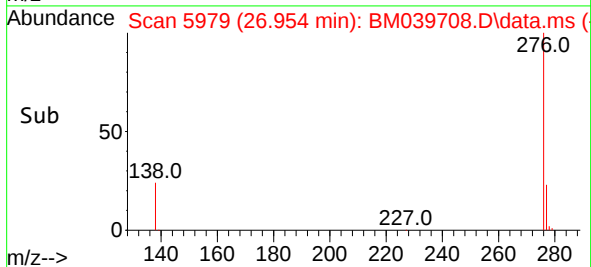
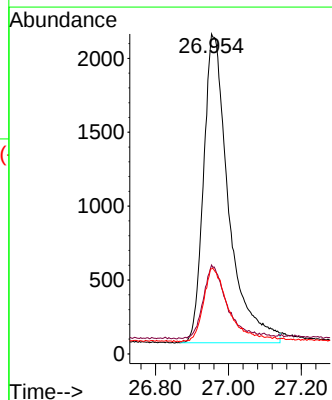
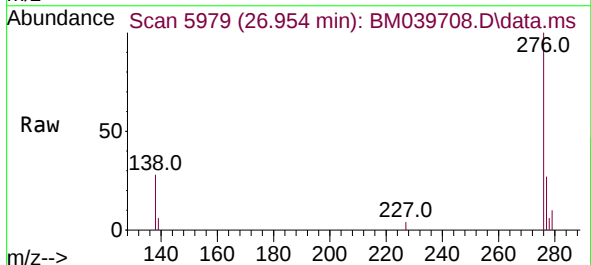
Instrument :
BNA_M
ClientSampleId :
SLCS345

Tgt Ion:278 Resp: 8354
Ion Ratio Lower Upper
278 100
139 24.0 17.0 25.6
279 34.8 23.4 35.2



#29
Benzo(g,h,i)perylene
Concen: 0.376 ng/ul
RT: 26.954 min Scan# 5979
Delta R.T. 0.005 min
Lab File: BM039708.D
Acq: 27 Apr 2023 14:48

Tgt Ion:276 Resp: 9992
Ion Ratio Lower Upper
276 100
138 27.8 20.1 30.1
277 26.6 20.1 30.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
 Data File : BM039708.D
 Acq On : 27 Apr 2023 14:48
 Operator : CG/JU
 Sample : PB152345BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS345

Quant Time: Apr 27 23:16:48 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 22:46:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	2488	0.400	ng/ul	0.02
4) Naphthalene-d8	10.622	136	10834	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.460	164	6363	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.221	188	11391	0.400	ng/ul	0.00
17) Chrysene-d12	21.413	240	9211	0.400	ng/ul	0.00
23) Perylene-d12	23.769	264	7652	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	2996	0.817	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.228	152	4605	0.331	ng/ul	0.01
18) Fluoranthene-d10	19.248	212	9537	0.385	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.226	88	7305	1.923	ng/ul#	41
5) Naphthalene	10.672	128	9278	0.341	ng/ul	97
7) 2-Methylnaphthalene	12.300	142	5046	0.321	ng/ul	99
8) 1-Methylnaphthalene	12.503	142	5612	0.333	ng/ul	100
10) Acenaphthylene	14.182	152	8244	0.335	ng/ul	98
11) Acenaphthene	14.520	153	6702	0.346	ng/ul	98
12) Fluorene	15.524	166	7070	0.329	ng/ul	100
14) Pentachlorophenol	16.904	266	1309	0.527	ng/ul	97
15) Phenanthrene	17.263	178	10408	0.347	ng/ul	98
16) Anthracene	17.364	178	8114	0.315	ng/ul	97
19) Fluoranthene	19.280	202	12251	0.373	ng/ul	99
20) Pyrene	19.643	202	13511	0.381	ng/ul	98
21) Benzo(a)anthracene	21.398	228	8203	0.310	ng/ul	98
22) Chrysene	21.451	228	10854	0.362	ng/ul	99
24) Benzo(b)fluoranthene	23.052	252	9560	0.356	ng/ul	92
25) Benzo(k)fluoranthene	23.096	252	9629	0.352	ng/ul#	91
26) Benzo(a)pyrene	23.669	252	8536	0.354	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.216	276	10962	0.359	ng/ul	99
28) Dibenzo(a,h)anthracene	26.229	278	8354	0.353	ng/ul	92
29) Benzo(g,h,i)perylene	26.954	276	9992	0.376	ng/ul	96

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