

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071923\
 Data File : BM040966.D
 Acq On : 19 Jul 2023 21:29
 Operator : MA/JU
 Sample : SSTD1.698
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6033

Quant Time: Jul 20 05:00:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 20 04:54:10 2023
 Response via : Initial Calibration

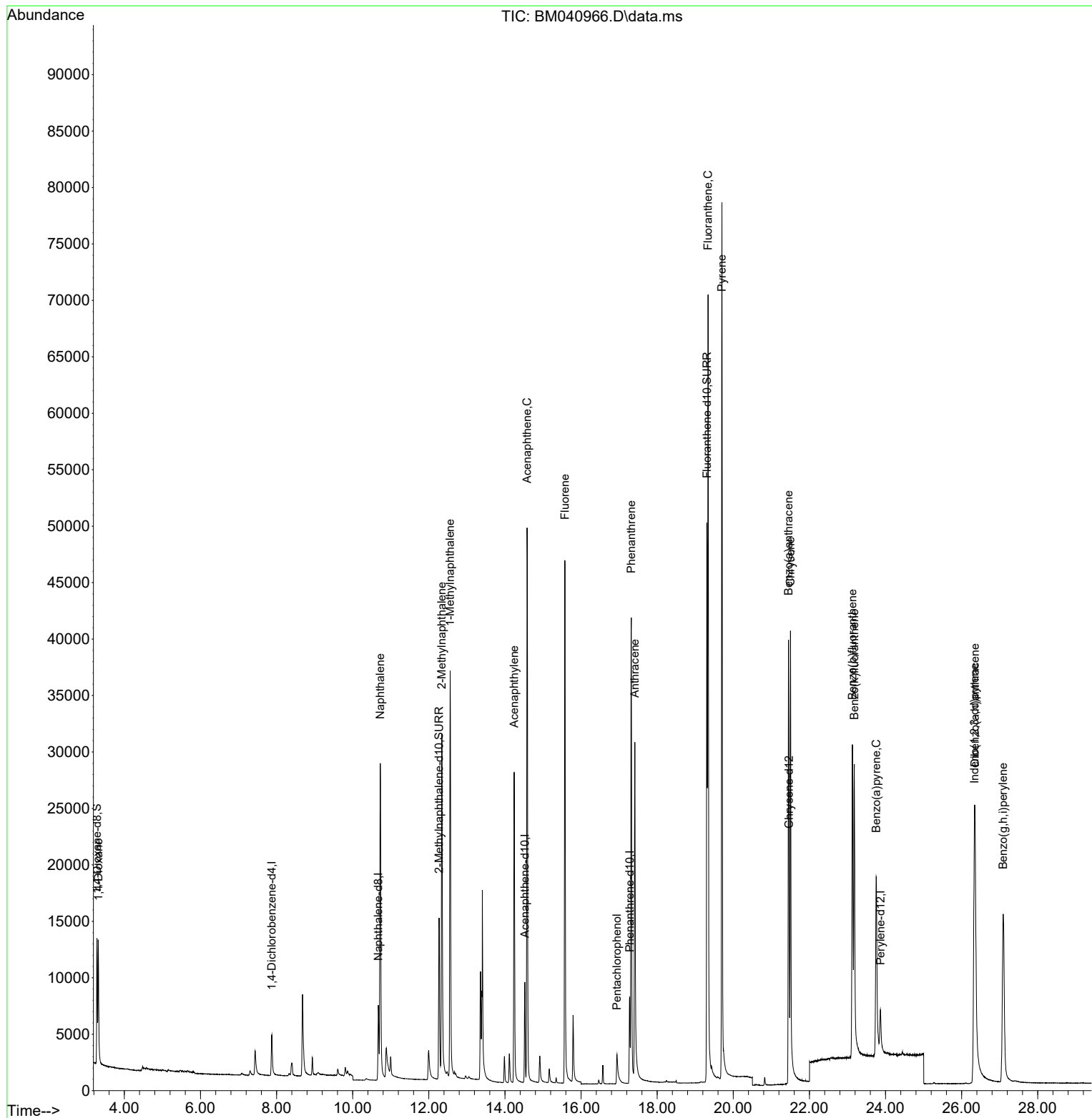
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	2585	0.400	ng/ul	0.00
4) Naphthalene-d8	10.675	136	9744	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.523	164	4992	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	9776	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	6858	0.400	ng/ul	0.00
23) Perylene-d12	23.865	264	5836	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	6757	1.664	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	21868	1.601	ng/ul	-0.01
18) Fluoranthene-d10	19.306	212	54925	2.498	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	7025	1.700	ng/ul#	78
5) Naphthalene	10.724	128	42488	1.581	ng/ul	98
7) 2-Methylnaphthalene	12.341	142	24996	1.584	ng/ul	100
8) 1-Methylnaphthalene	12.561	142	25818	1.637	ng/ul	99
10) Acenaphthylene	14.245	152	34444	1.545	ng/ul	97
11) Acenaphthene	14.583	153	29464	1.565	ng/ul	99
12) Fluorene	15.577	166	31909	1.587	ng/ul	99
14) Pentachlorophenol	16.944	266	3340	1.774	ng/ul	99
15) Phenanthrene	17.320	178	46506	1.531	ng/ul	98
16) Anthracene	17.413	178	39084	1.532	ng/ul	96
19) Fluoranthene	19.338	202	60925	2.091	ng/ul	98
20) Pyrene	19.701	202	69230	2.217	ng/ul	99
21) Benzo(a)anthracene	21.451	228	35579	1.534	ng/ul	99
22) Chrysene	21.504	228	38102	1.440	ng/ul	99
24) Benzo(b)fluoranthene	23.129	252	37597	1.665	ng/ul	86
25) Benzo(k)fluoranthene	23.178	252	36685	1.648	ng/ul#	86
26) Benzo(a)pyrene	23.757	252	31337	1.540	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	26.334	276	41741	1.473	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.351	278	32329	1.457	ng/ul#	87
29) Benzo(g,h,i)perylene	27.092	276	37151	1.496	ng/ul	95

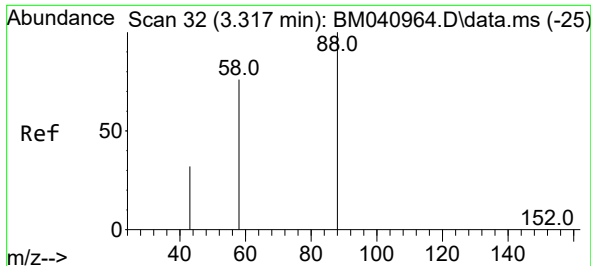
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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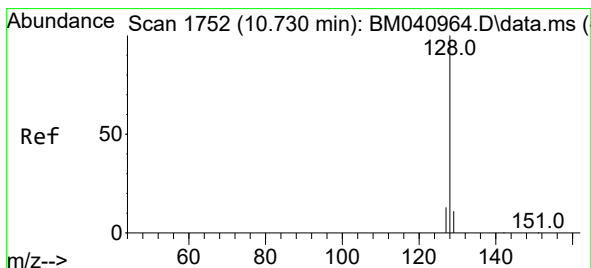
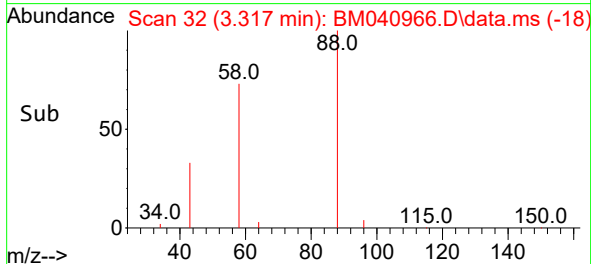
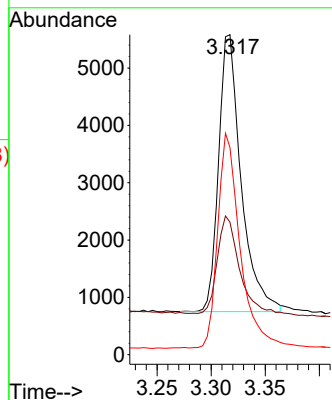
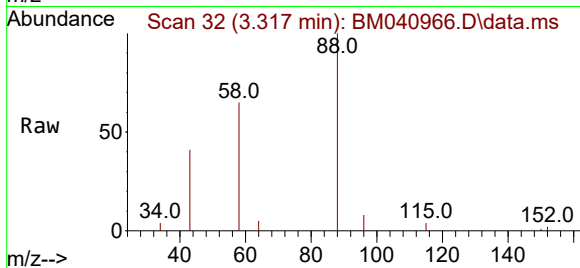




#2
1,4-Dioxane
Concen: 1.700 ng/ul
RT: 3.317 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

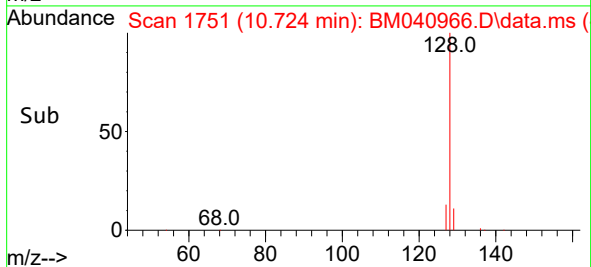
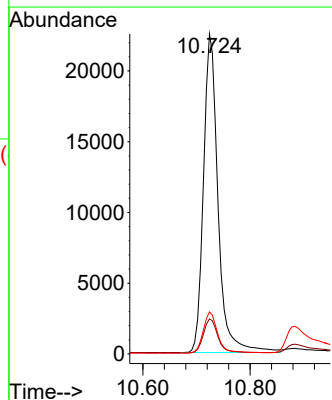
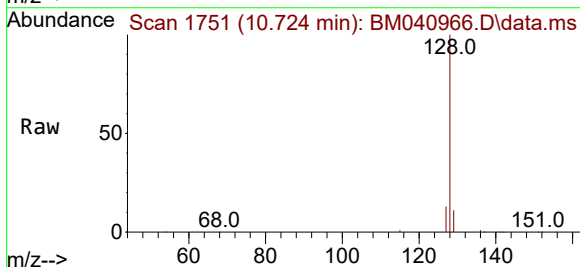
Instrument :
BNA_M
ClientSampleId :
SSTD1.6033

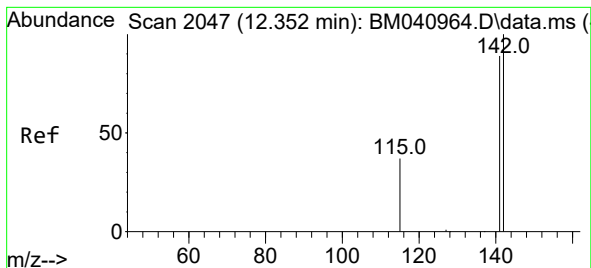
Tgt Ion: 88 Resp: 7025
Ion Ratio Lower Upper
88 100
43 41.4 46.7 70.1#
58 64.7 40.3 60.5#



#5
Naphthalene
Concen: 1.581 ng/ul
RT: 10.724 min Scan# 1751
Delta R.T. -0.005 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

Tgt Ion: 128 Resp: 42488
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 13.2 11.0 16.4





#7

2-Methylnaphthalene

Concen: 1.584 ng/ul

RT: 12.341 min Scan# 2045

Delta R.T. -0.011 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

Instrument :

BNA_M

ClientSampleId :

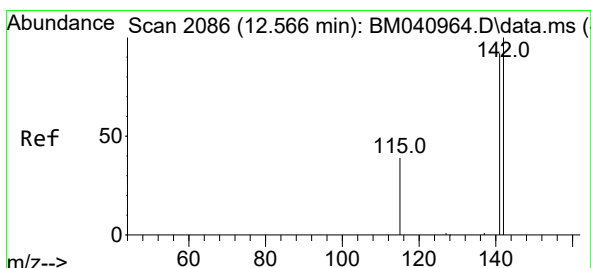
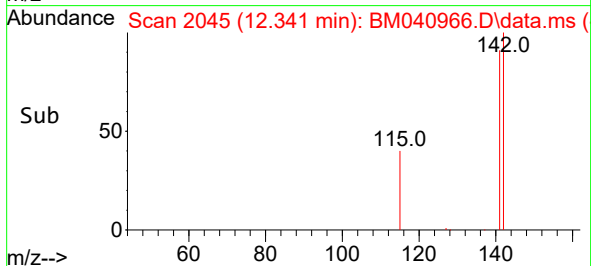
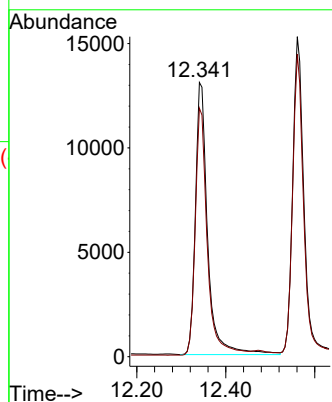
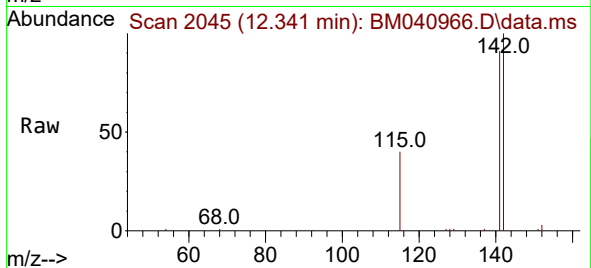
SSTD1.6033

Tgt Ion:142 Resp: 24996

Ion Ratio Lower Upper

142 100

141 91.7 73.2 109.8



#8

1-Methylnaphthalene

Concen: 1.637 ng/ul

RT: 12.561 min Scan# 2085

Delta R.T. -0.005 min

Lab File: BM040966.D

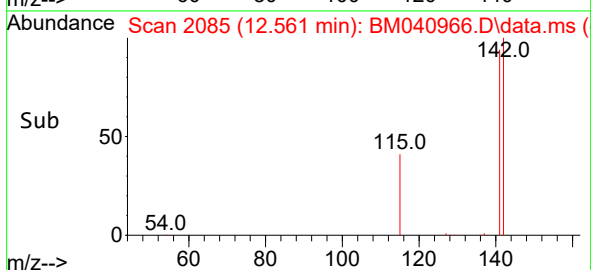
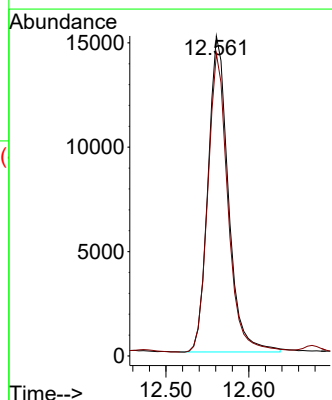
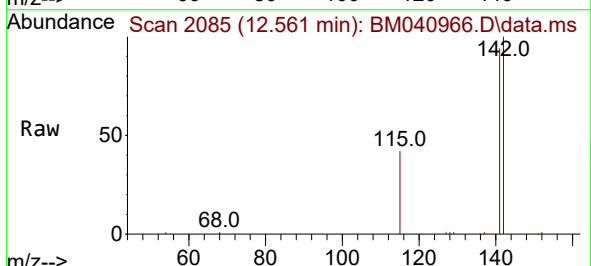
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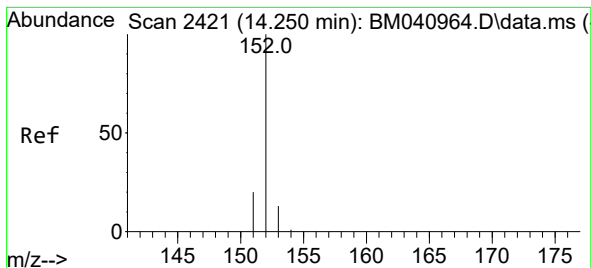
Tgt Ion:142 Resp: 25818

Ion Ratio Lower Upper

142 100

141 93.2 73.4 110.2





#10

Acenaphthylene

Concen: 1.545 ng/ul

RT: 14.245 min Scan# 2421

Delta R.T. -0.005 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD1.6033

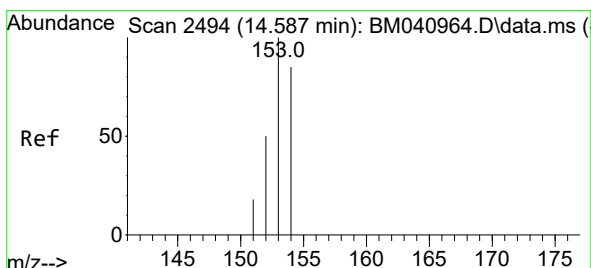
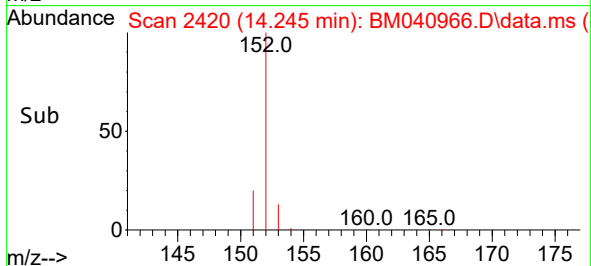
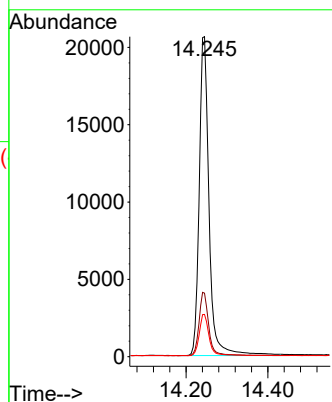
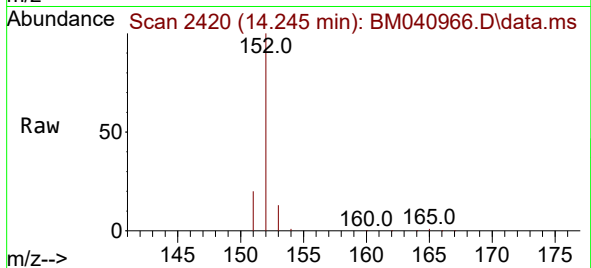
Tgt Ion:152 Resp: 34444

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

153 13.2 11.6 17.4



#11

Acenaphthene

Concen: 1.565 ng/ul

RT: 14.583 min Scan# 2493

Delta R.T. -0.005 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

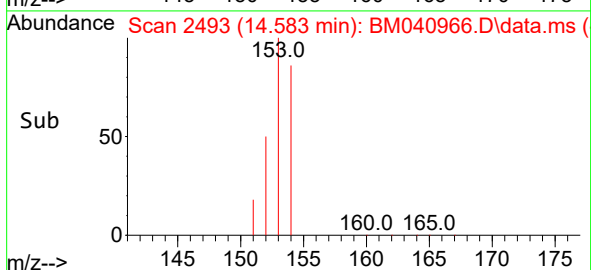
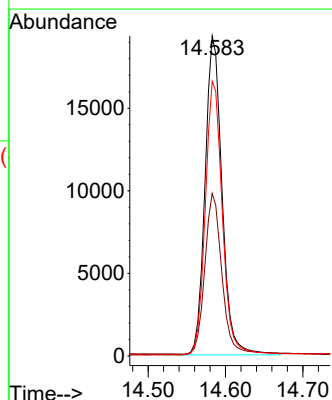
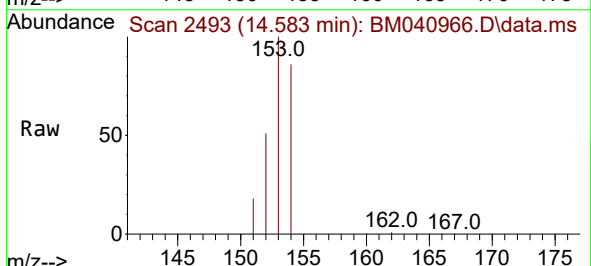
Tgt Ion:153 Resp: 29464

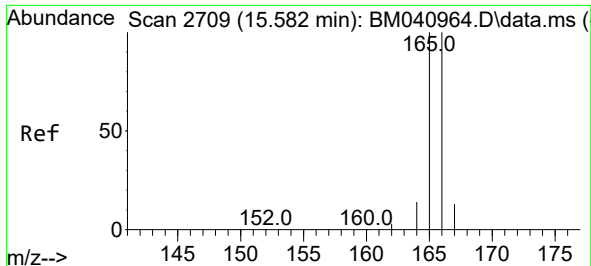
Ion Ratio Lower Upper

153 100

152 50.8 41.0 61.6

154 85.8 68.2 102.2

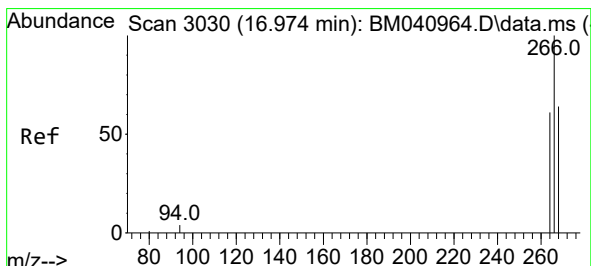
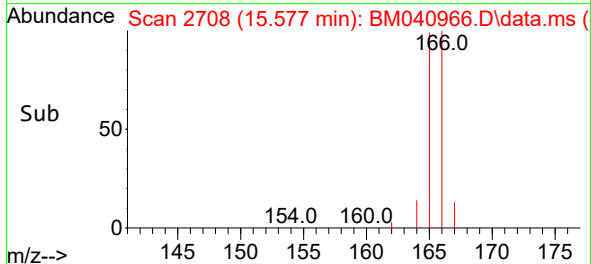
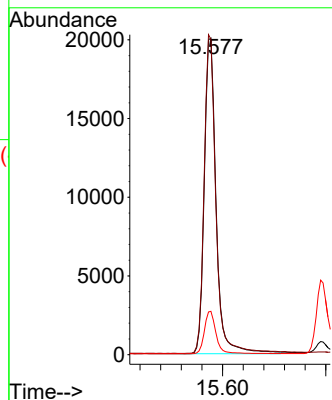
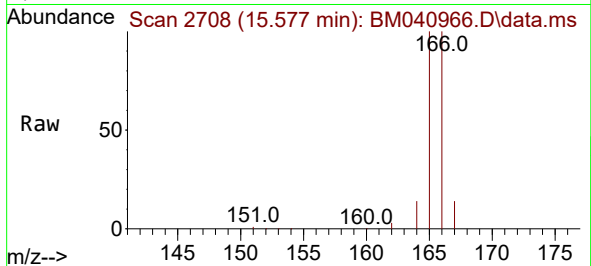




#12
Fluorene
Concen: 1.587 ng/ul
RT: 15.577 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

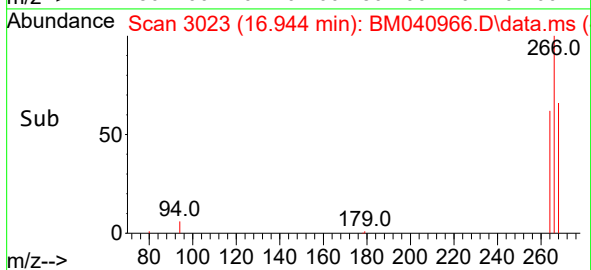
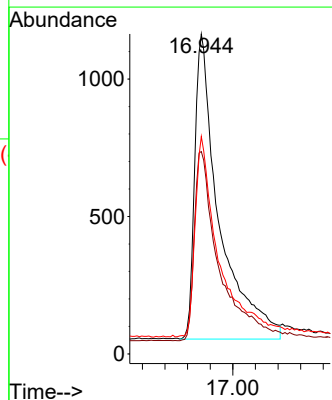
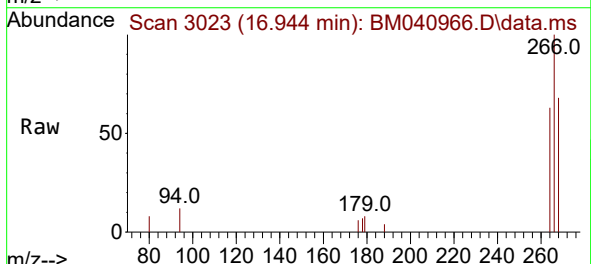
Instrument :
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ClientSampleId :
SSTD1.6033

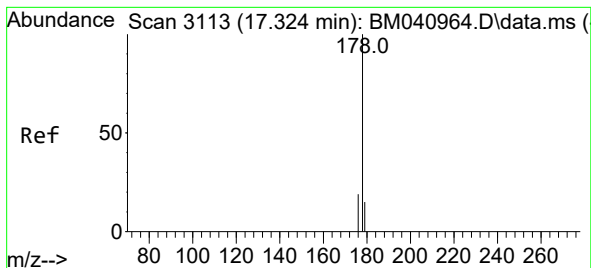
Tgt Ion:166 Resp: 31909
Ion Ratio Lower Upper
166 100
165 99.6 80.3 120.5
167 13.7 11.7 17.5



#14
Pentachlorophenol
Concen: 1.774 ng/ul
RT: 16.944 min Scan# 3023
Delta R.T. -0.030 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

Tgt Ion:266 Resp: 3340
Ion Ratio Lower Upper
266 100
264 63.2 50.7 76.1
268 64.2 52.8 79.2





#15

Phenanthrene

Concen: 1.531 ng/ul

RT: 17.320 min Scan# 3112

Delta R.T. -0.004 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD1.6033

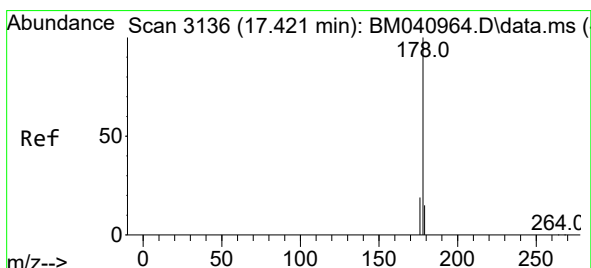
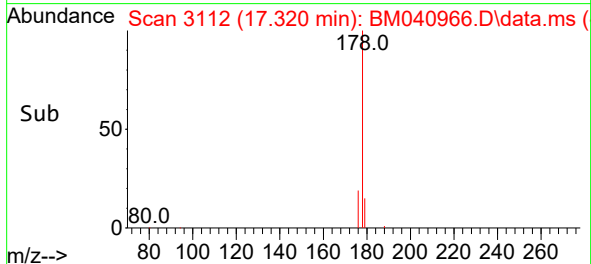
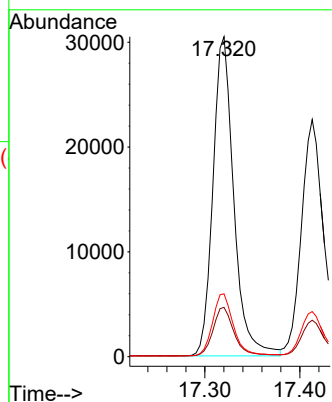
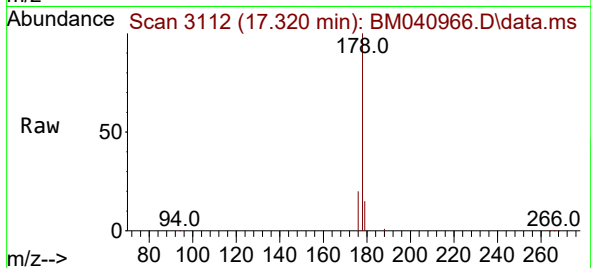
Tgt Ion:178 Resp: 46506

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.6

176 19.7 16.2 24.4



#16

Anthracene

Concen: 1.532 ng/ul

RT: 17.413 min Scan# 3134

Delta R.T. -0.008 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

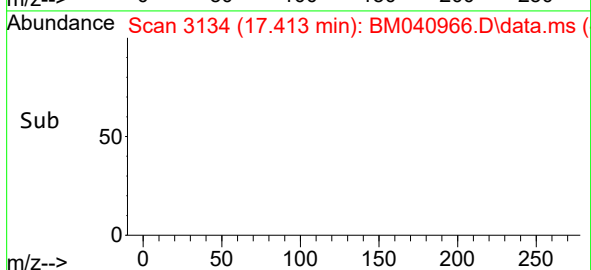
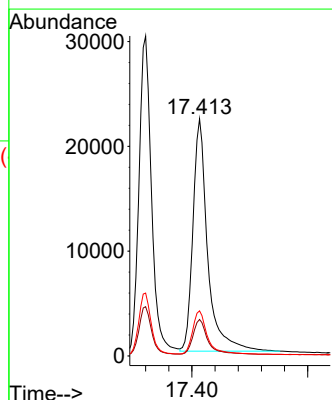
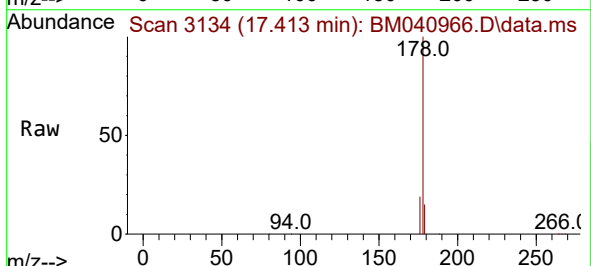
Tgt Ion:178 Resp: 39084

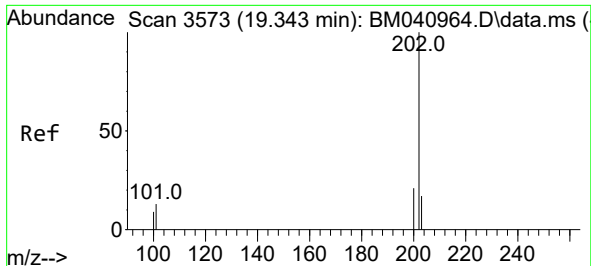
Ion Ratio Lower Upper

178 100

179 15.4 13.7 20.5

176 19.0 16.4 24.6

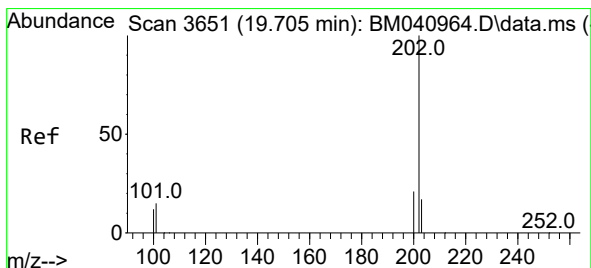
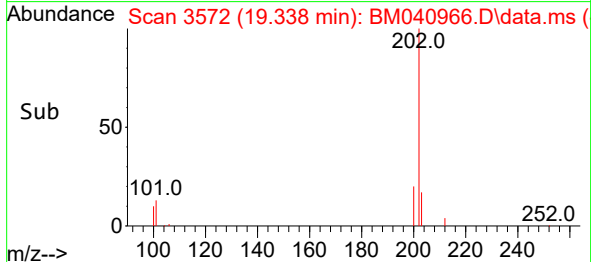
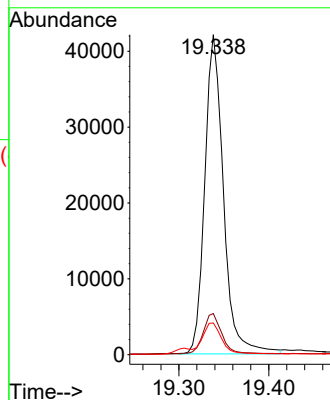
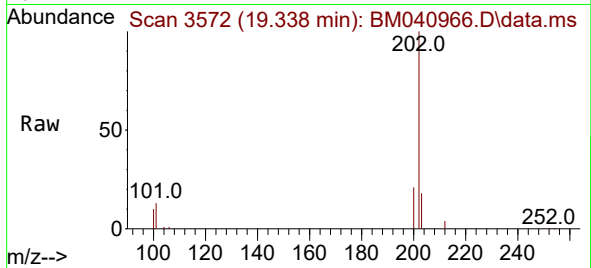




#19
Fluoranthene
Concen: 2.091 ng/ul
RT: 19.338 min Scan# 3572
Delta R.T. -0.005 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

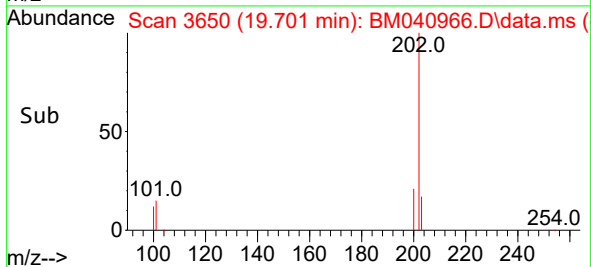
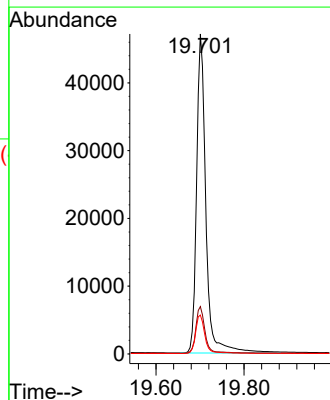
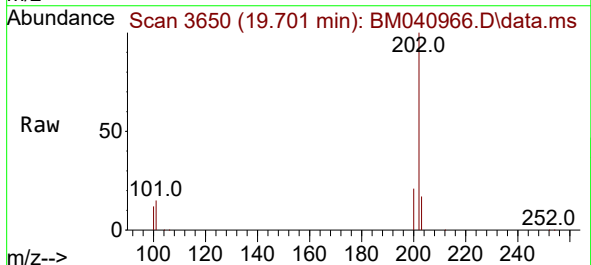
Instrument :
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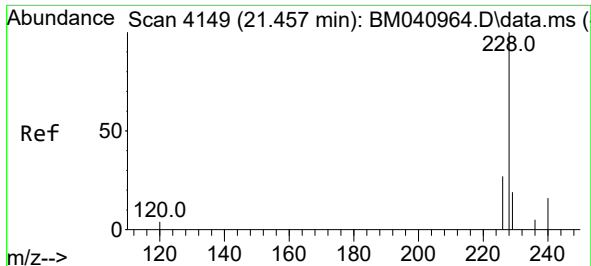
Tgt Ion:202 Resp: 60925
Ion Ratio Lower Upper
202 100
101 12.8 11.0 16.4
100 9.9 8.3 12.5



#20
Pyrene
Concen: 2.217 ng/ul
RT: 19.701 min Scan# 3650
Delta R.T. -0.005 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

Tgt Ion:202 Resp: 69230
Ion Ratio Lower Upper
202 100
101 14.8 12.5 18.7
100 12.2 10.0 15.0

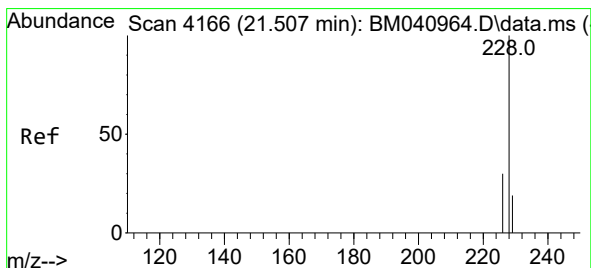
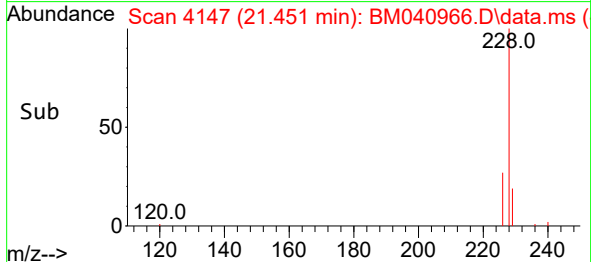
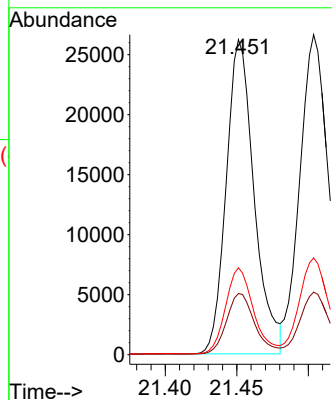
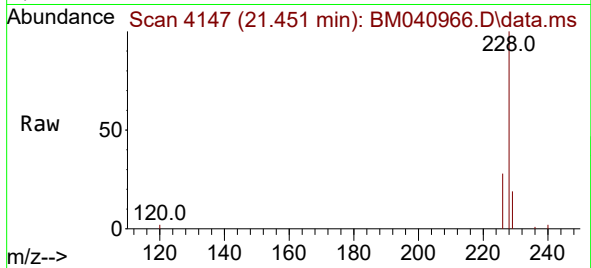




#21
Benzo(a)anthracene
Concen: 1.534 ng/ul
RT: 21.451 min Scan# 4149
Delta R.T. -0.006 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

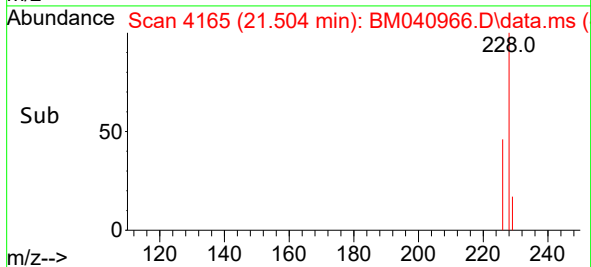
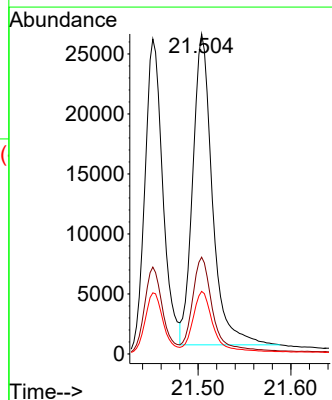
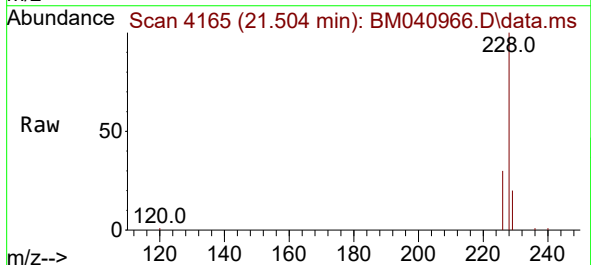
Instrument :
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SSTD1.6033

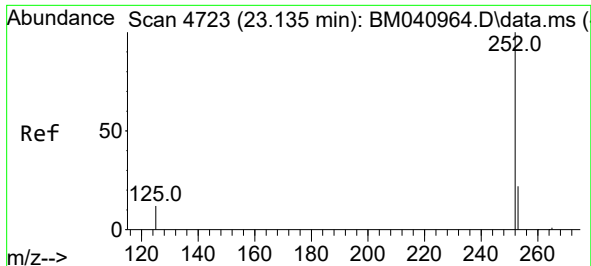
Tgt Ion:228 Resp: 35579
Ion Ratio Lower Upper
228 100
229 19.4 16.2 24.4
226 27.6 22.3 33.5



#22
Chrysene
Concen: 1.440 ng/ul
RT: 21.504 min Scan# 4165
Delta R.T. -0.003 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

Tgt Ion:228 Resp: 38102
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 19.6 16.1 24.1

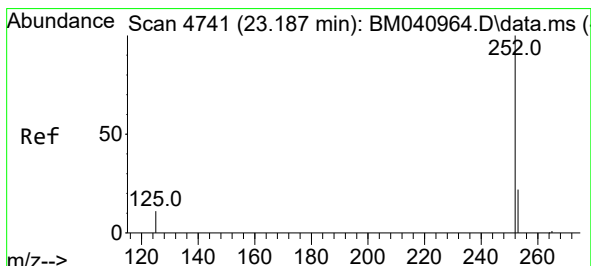
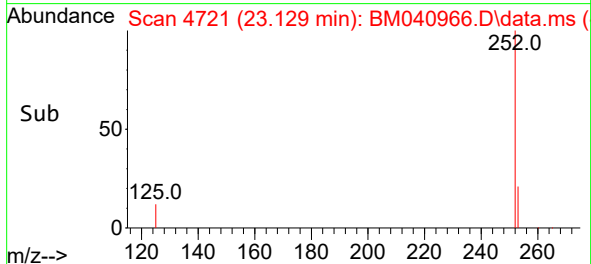
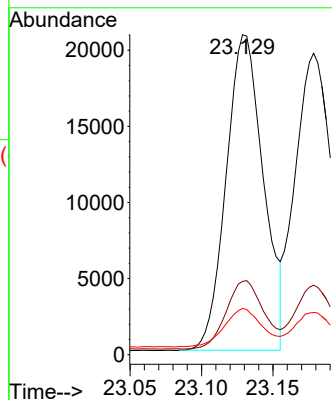
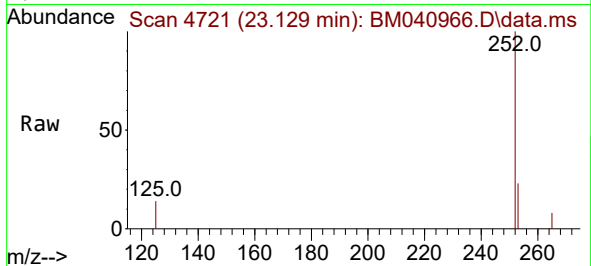




#24
Benzo(b)fluoranthene
Concen: 1.665 ng/ul
RT: 23.129 min Scan# 4721
Delta R.T. -0.006 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

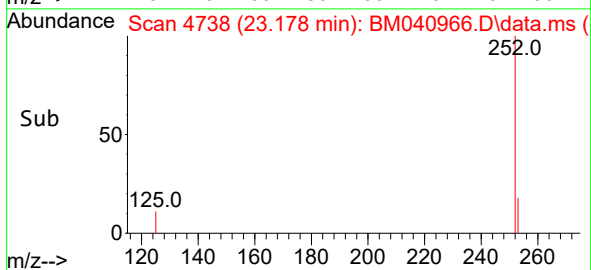
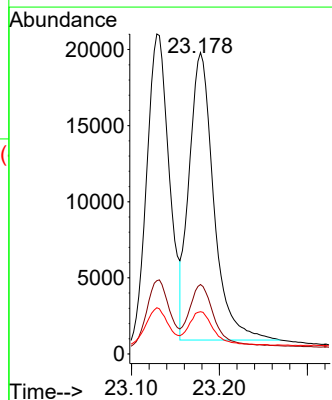
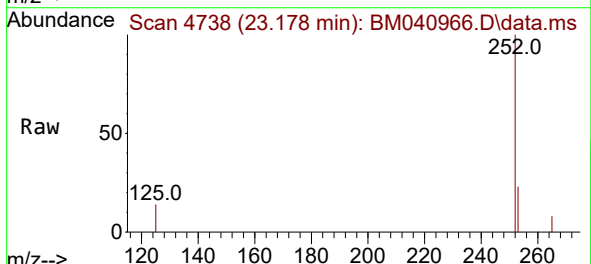
Instrument :
BNA_M
ClientSampleId :
SSTD1.6033

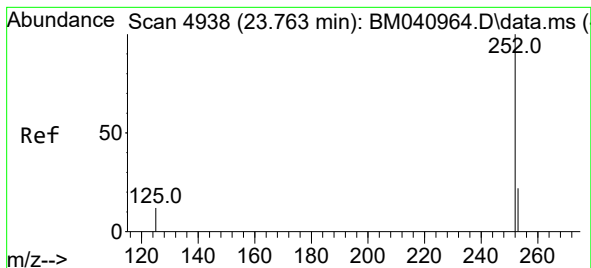
Tgt Ion:252 Resp: 37597
Ion Ratio Lower Upper
252 100
253 22.9 0.0 57.4
125 14.4 0.0 45.2



#25
Benzo(k)fluoranthene
Concen: 1.648 ng/ul
RT: 23.178 min Scan# 4738
Delta R.T. -0.009 min
Lab File: BM040966.D
Acq: 19 Jul 2023 21:29

Tgt Ion:252 Resp: 36685
Ion Ratio Lower Upper
252 100
253 23.0 23.3 34.9#
125 14.0 18.2 27.2#





#26

Benzo(a)pyrene

Concen: 1.540 ng/ul

RT: 23.757 min Scan# 4938

Delta R.T. -0.006 min

Lab File: BM040966.D

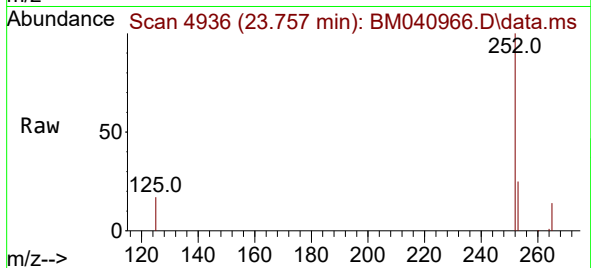
Acq: 19 Jul 2023 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD1.6033



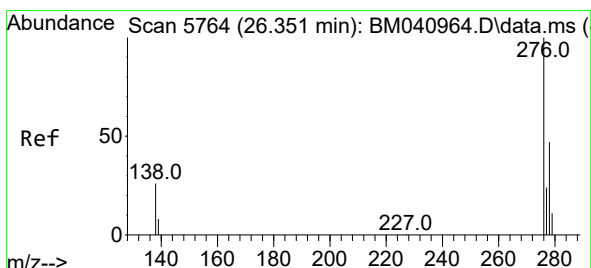
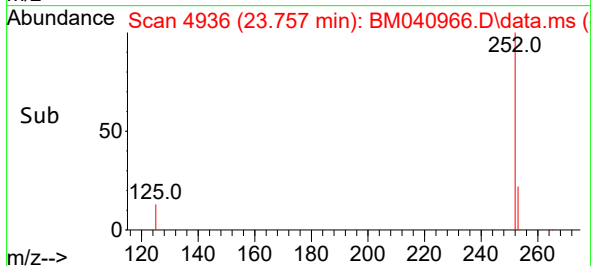
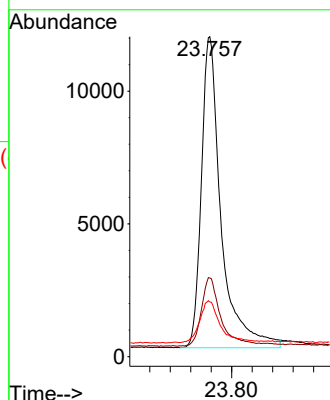
Tgt Ion:252 Resp: 31337

Ion Ratio Lower Upper

252 100

253 24.6 28.2 42.2#

125 17.1 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.473 ng/ul

RT: 26.334 min Scan# 5759

Delta R.T. -0.017 min

Lab File: BM040966.D

Acq: 19 Jul 2023 21:29

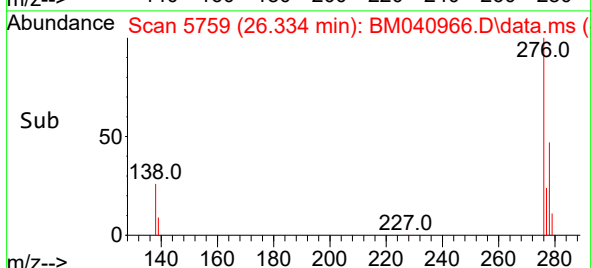
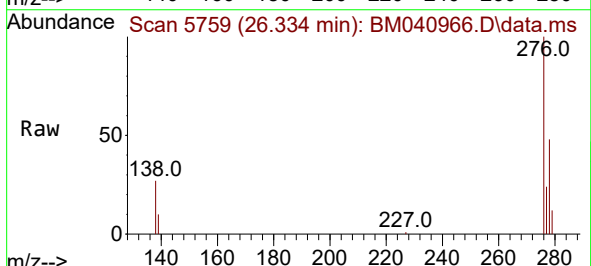
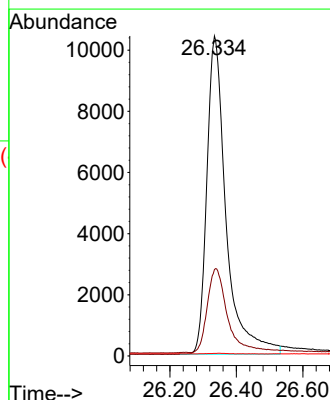
Tgt Ion:276 Resp: 41741

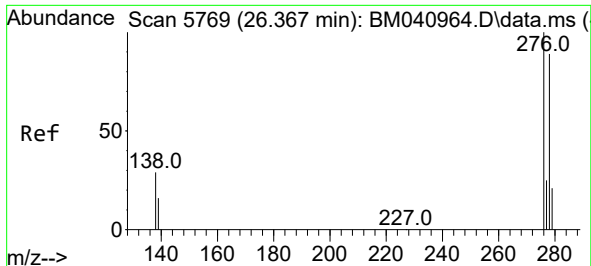
Ion Ratio Lower Upper

276 100

138 27.9 22.3 33.5

227 0.2 0.0 0.0#

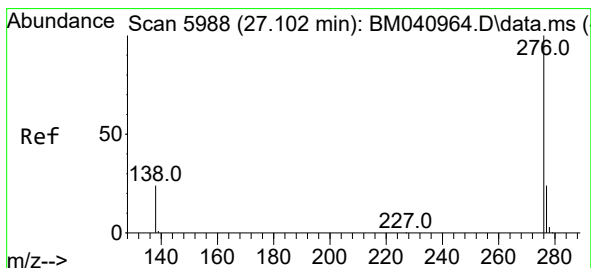
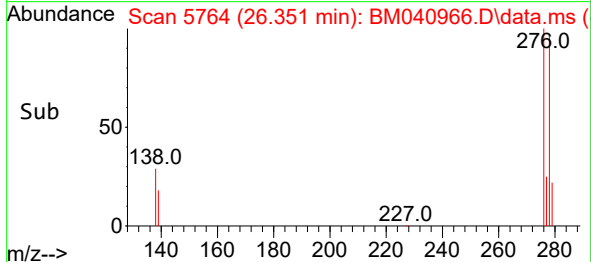
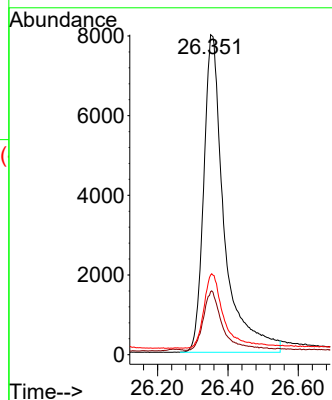
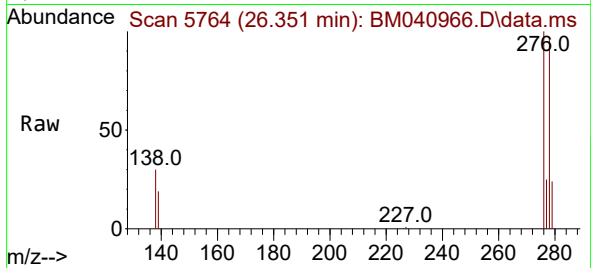




#28
 Dibenzo(a,h)anthracene
 Concen: 1.457 ng/ul
 RT: 26.351 min Scan# 51
 Delta R.T. -0.017 min
 Lab File: BM040966.D
 Acq: 19 Jul 2023 21:29

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6033

Tgt Ion:278 Resp: 32329
 Ion Ratio Lower Upper
 278 100
 139 19.7 19.2 28.8
 279 24.9 27.0 40.6#



#29
 Benzo(g,h,i)perylene
 Concen: 1.496 ng/ul
 RT: 27.092 min Scan# 5985
 Delta R.T. -0.010 min
 Lab File: BM040966.D
 Acq: 19 Jul 2023 21:29

Tgt Ion:276 Resp: 37151
 Ion Ratio Lower Upper
 276 100
 138 25.6 22.6 34.0
 277 24.1 21.2 31.8

