

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110623\
 Data File : BM042599.D
 Acq On : 06 Nov 2023 21:07
 Operator : MA/JU
 Sample : SST0.160
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.1008

Quant Time: Nov 07 02:08:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 02:04:31 2023
 Response via : Initial Calibration

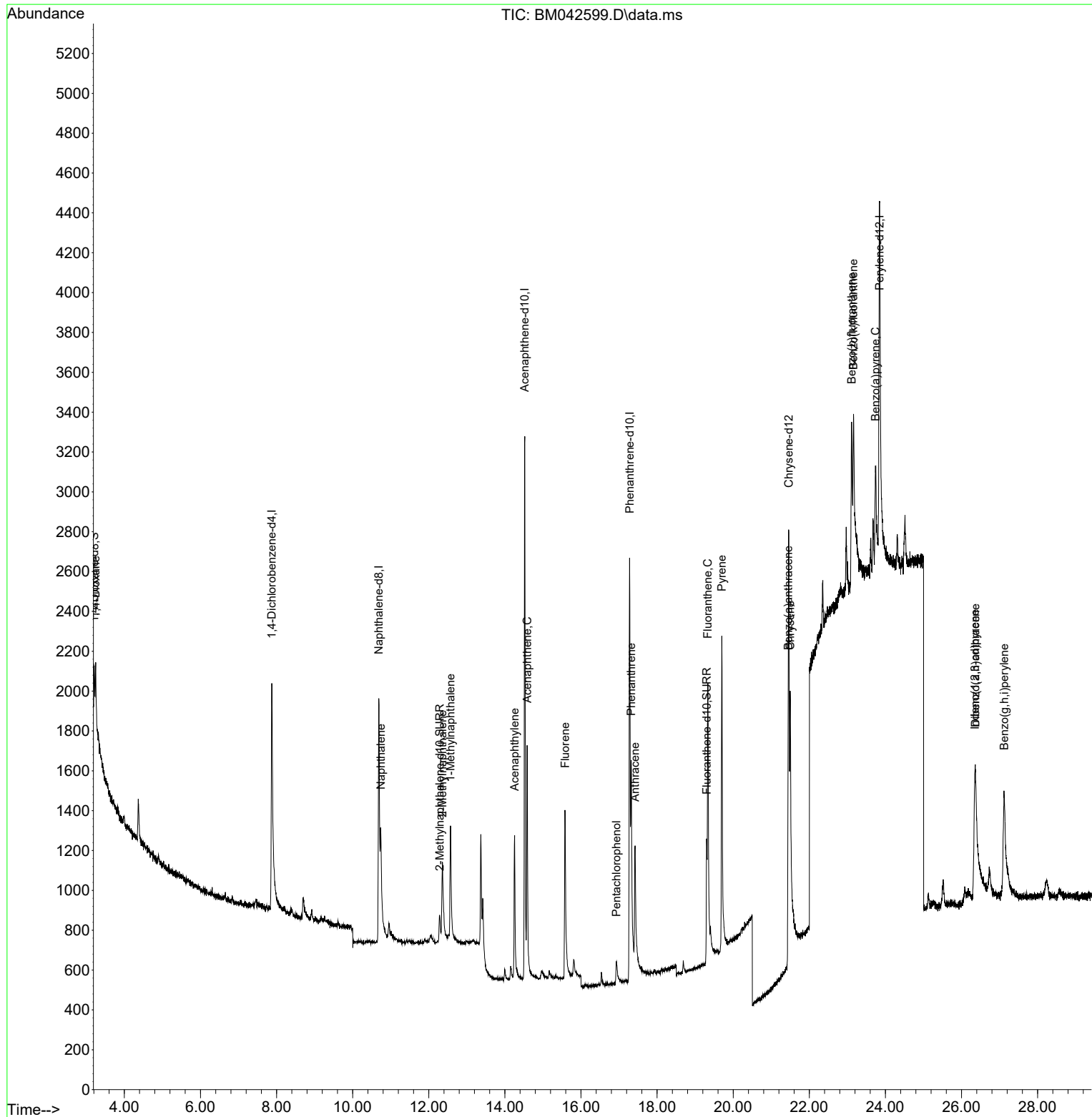
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	1172	0.400	ng/ul	0.00
4) Naphthalene-d8	10.686	136	2712	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.523	164	1638	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	3306	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	2690	0.400	ng/ul	0.00
23) Perylene-d12	23.848	264	3345	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.212	96	146	0.085	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.286	152	372	0.107	ng/ul	0.01
18) Fluoranthene-d10	19.301	212	915	0.079	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.246	88	259	0.131	ng/ul#	76
5) Naphthalene	10.741	128	870	0.100	ng/ul#	76
7) 2-Methylnaphthalene	12.357	142	551	0.103	ng/ul	95
8) 1-Methylnaphthalene	12.572	142	551	0.103	ng/ul	99
10) Acenaphthylene	14.254	152	1094	0.108	ng/ul#	85
11) Acenaphthene	14.587	153	748	0.094	ng/ul	97
12) Fluorene	15.582	166	837	0.094	ng/ul#	96
14) Pentachlorophenol	16.932	266	151	0.109	ng/ul	89
15) Phenanthrene	17.320	178	1312	0.095	ng/ul#	87
16) Anthracene	17.422	178	1117	0.092	ng/ul#	81
19) Fluoranthene	19.334	202	1667	0.062	ng/ul#	83
20) Pyrene	19.701	202	1897	0.068	ng/ul#	86
21) Benzo(a)anthracene	21.445	228	1102	0.060	ng/ul#	85
22) Chrysene	21.498	228	1197	0.061	ng/ul#	87
24) Benzo(b)fluoranthene	23.114	252	1266	0.052	ng/ul#	35
25) Benzo(k)fluoranthene	23.161	252	1280	0.051	ng/ul#	41
26) Benzo(a)pyrene	23.740	252	1418	0.072	ng/ul#	28
27) Indeno(1,2,3-cd)pyrene	26.351	276	1809	0.070	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.364	278	1248	0.067	ng/ul#	24
29) Benzo(g,h,i)perylene	27.122	276	1726	0.078	ng/ul#	68

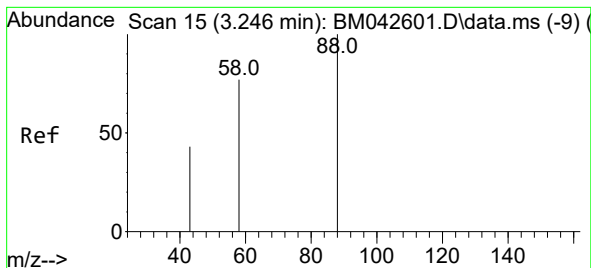
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.131 ng/ul

RT: 3.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042599.D

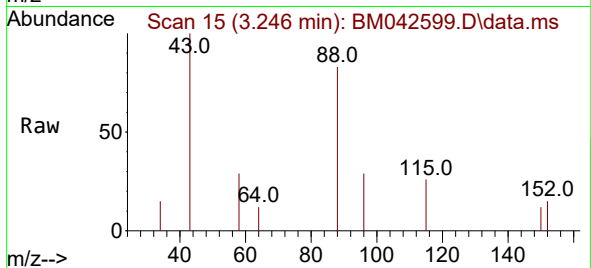
Acq: 06 Nov 2023 21:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.1008



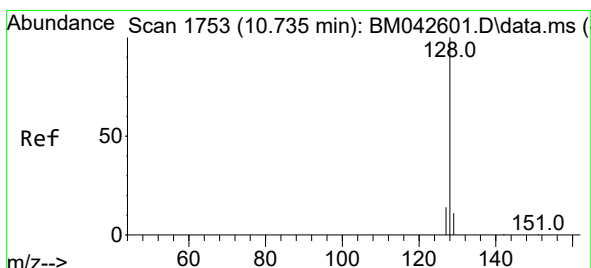
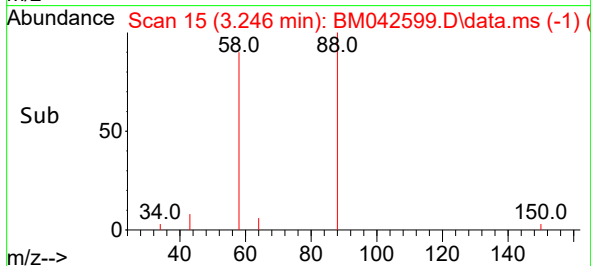
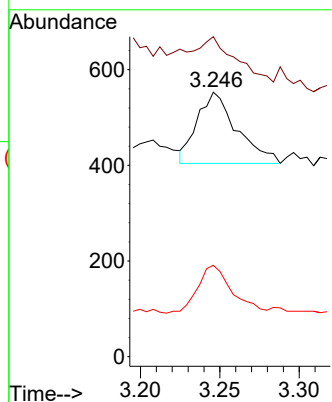
Tgt Ion: 88 Resp: 259

Ion Ratio Lower Upper

88 100

43 121.0 77.5 116.3#

58 34.5 40.9 61.3#



#5

Naphthalene

Concen: 0.100 ng/ul

RT: 10.741 min Scan# 1754

Delta R.T. 0.005 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

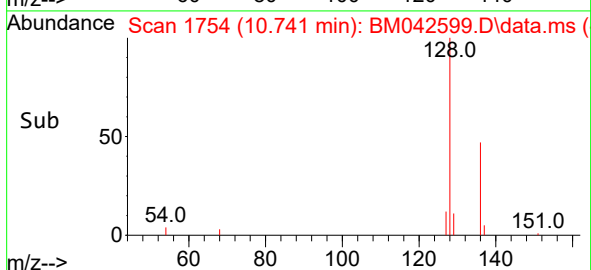
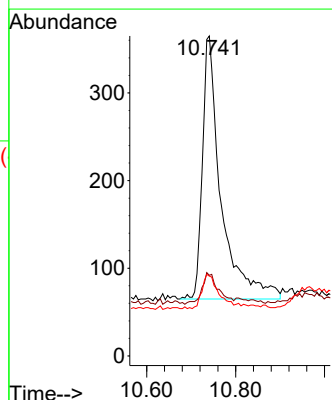
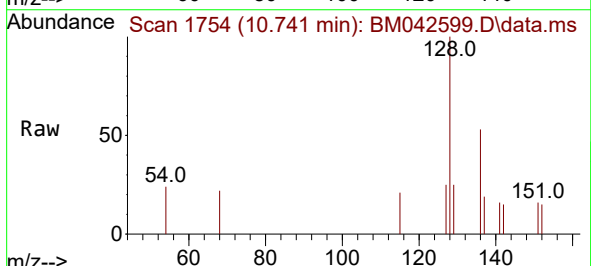
Tgt Ion:128 Resp: 870

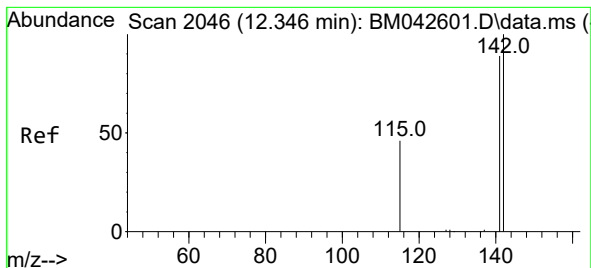
Ion Ratio Lower Upper

128 100

129 25.2 11.3 16.9#

127 24.9 13.0 19.4#

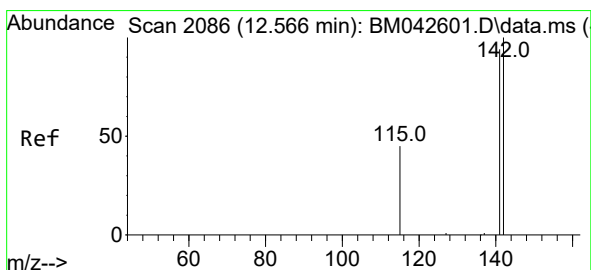
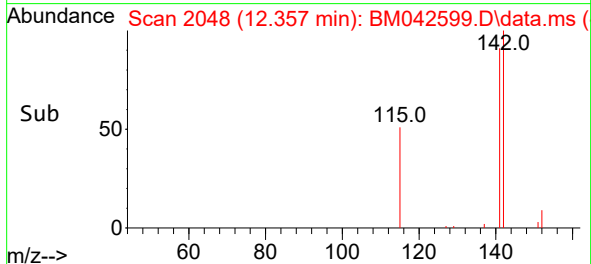
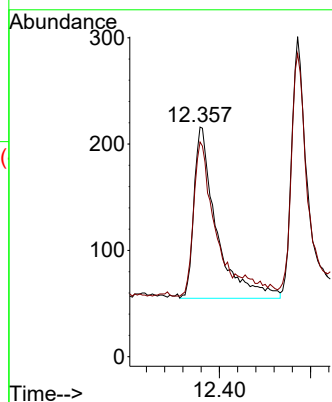
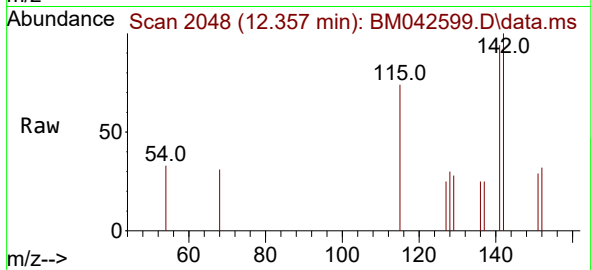




#7
2-Methylnaphthalene
Concen: 0.103 ng/ul
RT: 12.357 min Scan# 2048
Delta R.T. 0.011 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

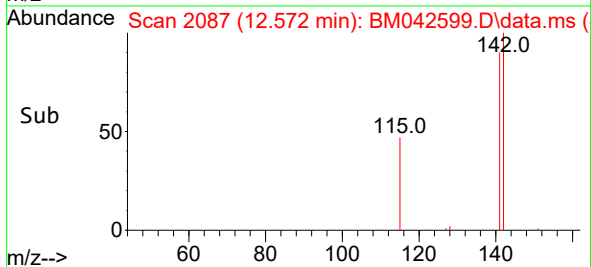
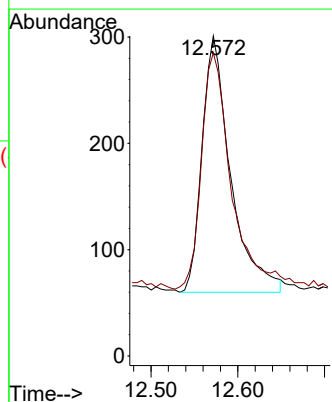
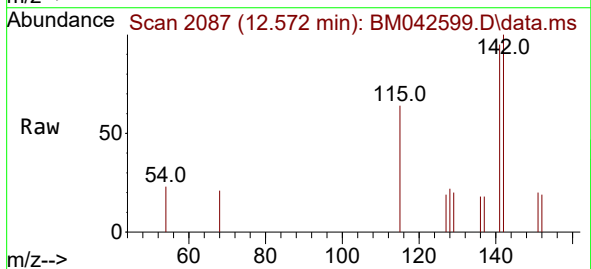
Instrument :
BNA_M
ClientSampleId :
SSTD0.1008

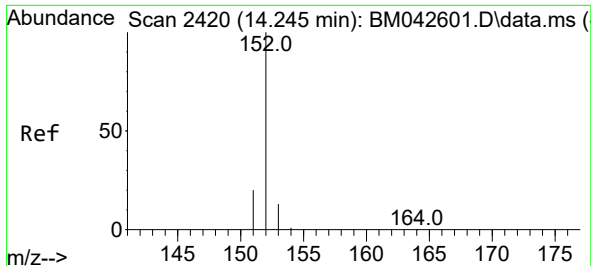
Tgt Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
141 93.8 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.103 ng/ul
RT: 12.572 min Scan# 2087
Delta R.T. 0.005 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

Tgt Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
141 95.1 75.4 113.2

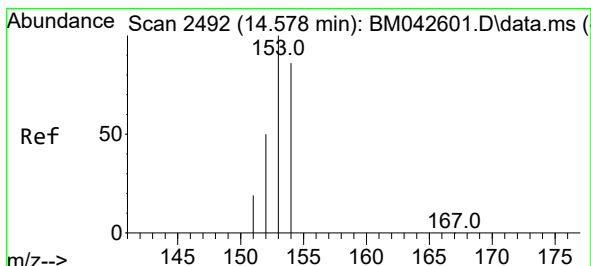
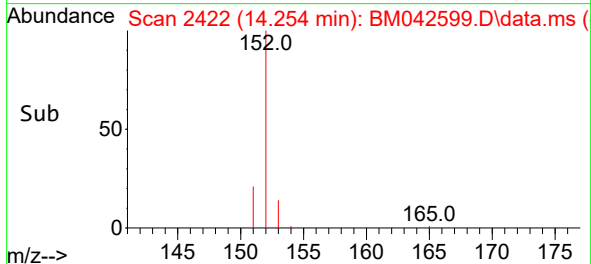
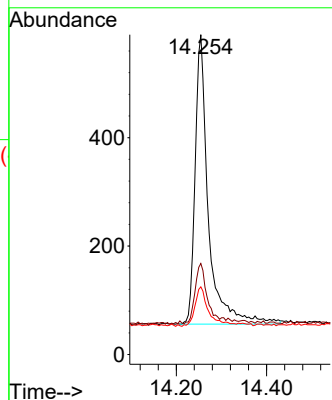
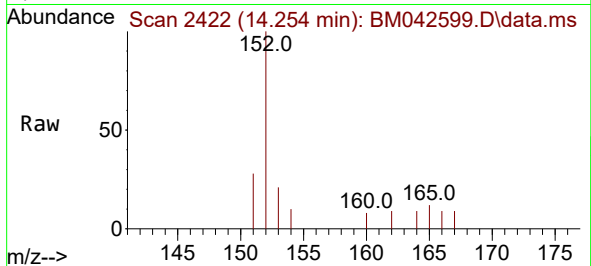




#10
Acenaphthylene
Concen: 0.108 ng/ul
RT: 14.254 min Scan# 2422
Delta R.T. 0.009 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

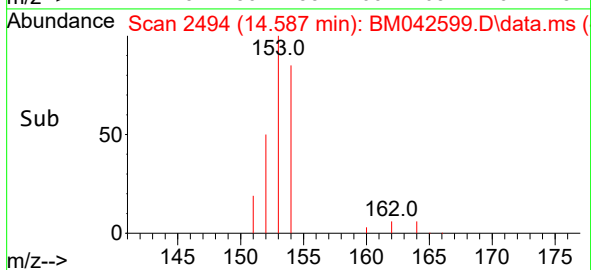
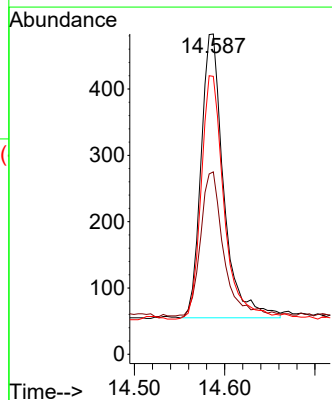
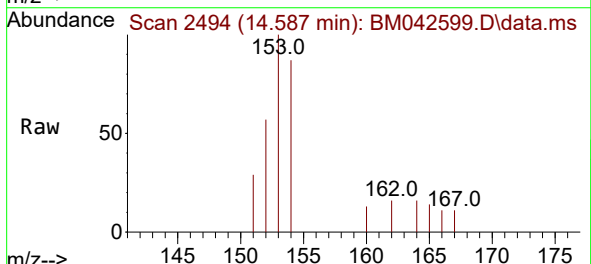
Instrument :
BNA_M
ClientSampleId :
SSTD0.1008

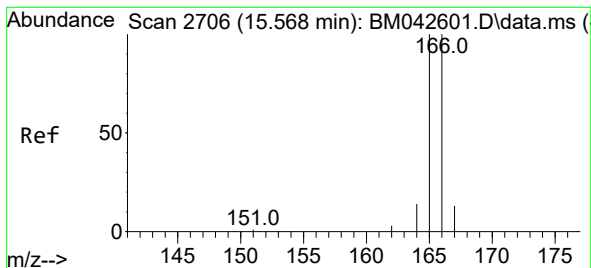
Tgt Ion:152 Resp: 1094
Ion Ratio Lower Upper
152 100
151 28.5 17.2 25.8#
153 21.2 11.8 17.8#



#11
Acenaphthene
Concen: 0.094 ng/ul
RT: 14.587 min Scan# 2494
Delta R.T. 0.009 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

Tgt Ion:153 Resp: 748
Ion Ratio Lower Upper
153 100
152 56.9 41.8 62.6
154 86.7 69.2 103.8





#12

Fluorene

Concen: 0.094 ng/ul

RT: 15.582 min Scan# 21

Delta R.T. 0.014 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.1008

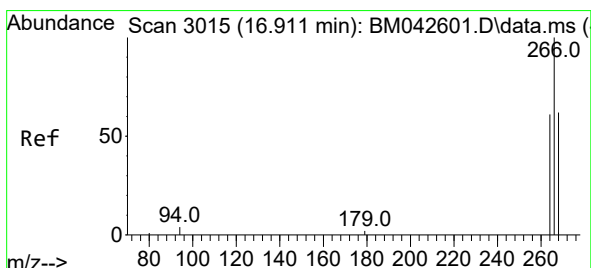
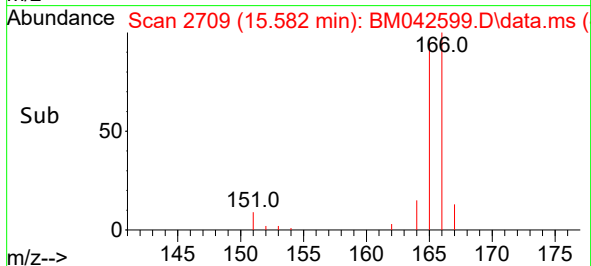
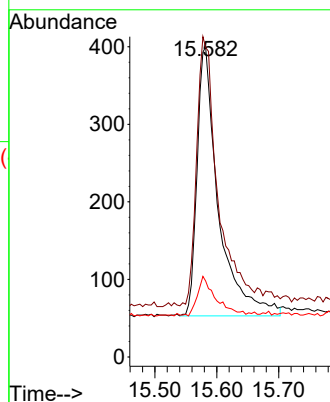
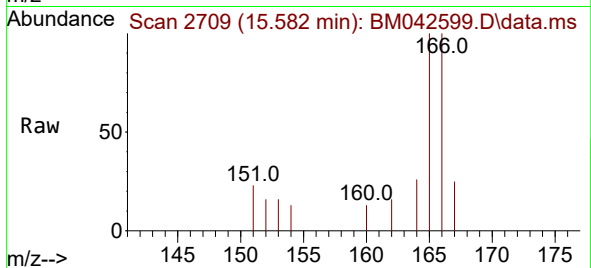
Tgt Ion:166 Resp: 837

Ion Ratio Lower Upper

166 100

165 99.8 81.2 121.8

167 24.5 11.9 17.9#



#14

Pentachlorophenol

Concen: 0.109 ng/ul

RT: 16.932 min Scan# 3020

Delta R.T. 0.021 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

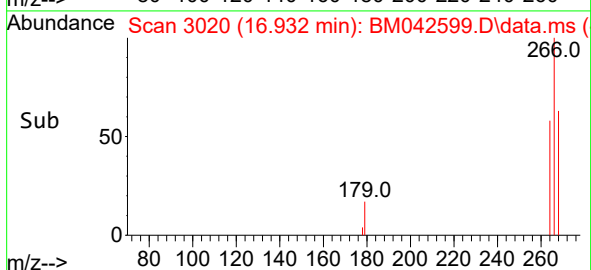
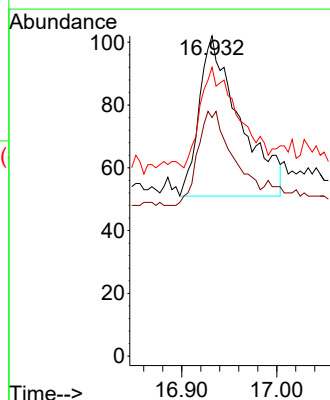
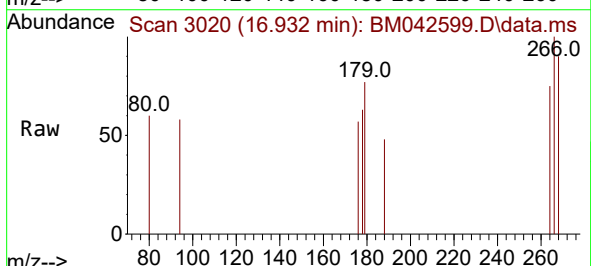
Tgt Ion:266 Resp: 151

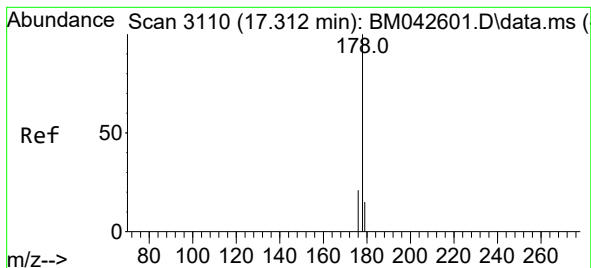
Ion Ratio Lower Upper

266 100

264 53.6 50.4 75.6

268 59.6 54.8 82.2





#15

Phenanthrene

Concen: 0.095 ng/ul

RT: 17.320 min Scan# 3112

Delta R.T. 0.008 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.1008

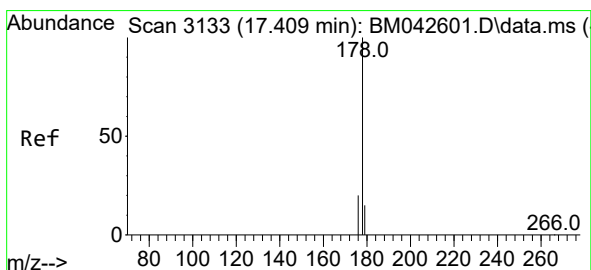
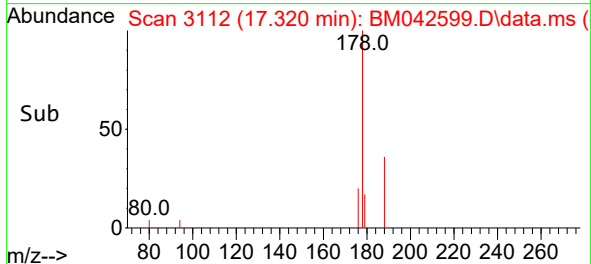
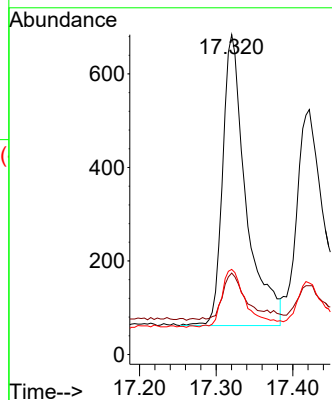
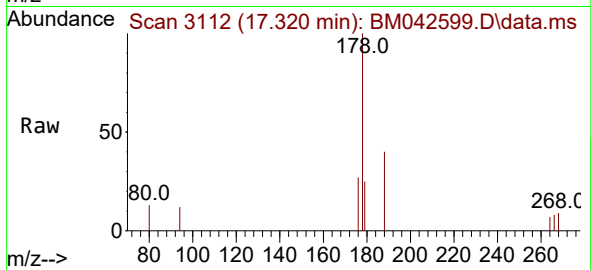
Tgt Ion:178 Resp: 1312

Ion Ratio Lower Upper

178 100

179 25.4 13.7 20.5#

176 26.6 18.2 27.2



#16

Anthracene

Concen: 0.092 ng/ul

RT: 17.422 min Scan# 3136

Delta R.T. 0.013 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

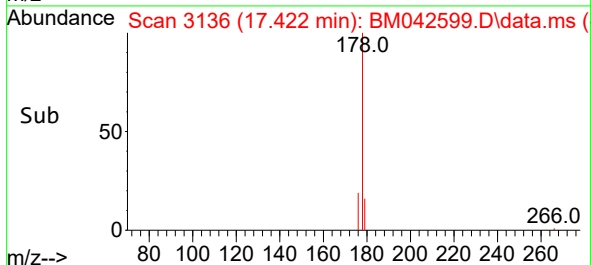
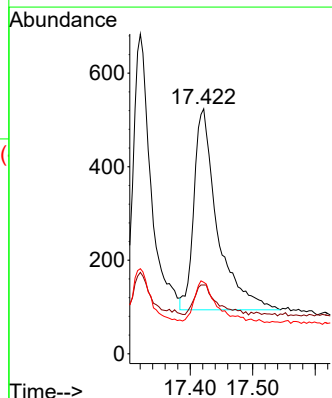
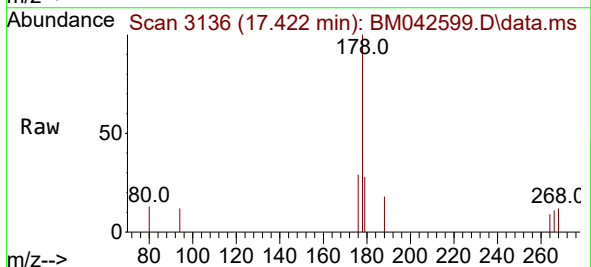
Tgt Ion:178 Resp: 1117

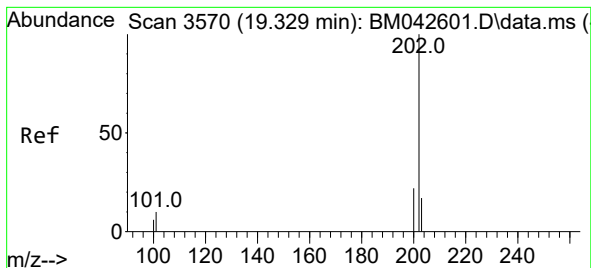
Ion Ratio Lower Upper

178 100

179 28.1 14.2 21.4#

176 29.2 17.6 26.4#





#19

Fluoranthene

Concen: 0.062 ng/ul

RT: 19.334 min Scan# 3

Delta R.T. 0.005 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Instrument :

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ClientSampleId :

SSTD0.1008

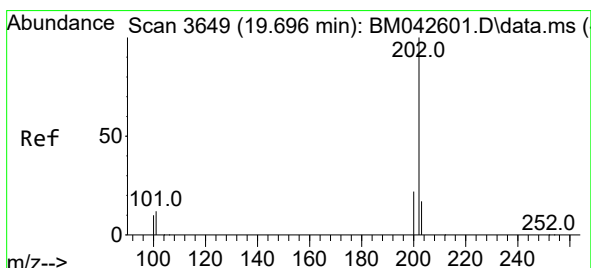
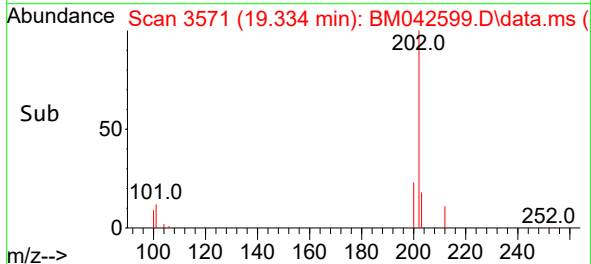
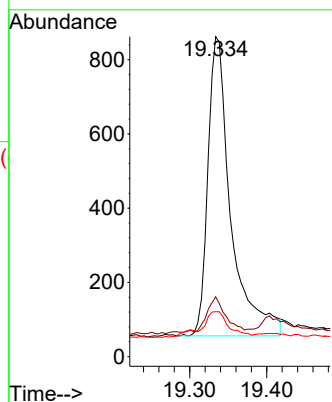
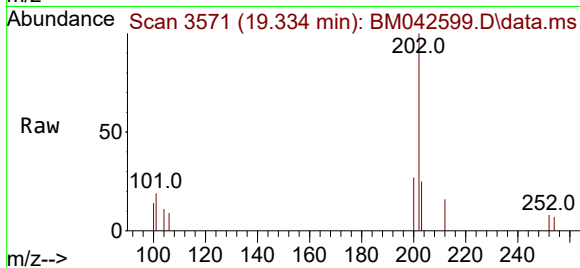
Tgt Ion:202 Resp: 1667

Ion Ratio Lower Upper

202 100

101 18.7 9.0 13.6#

100 14.0 7.3 10.9#



#20

Pyrene

Concen: 0.068 ng/ul

RT: 19.701 min Scan# 3650

Delta R.T. 0.005 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

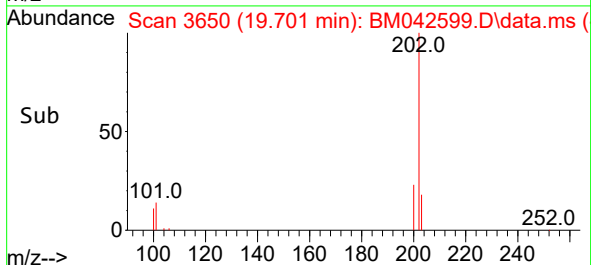
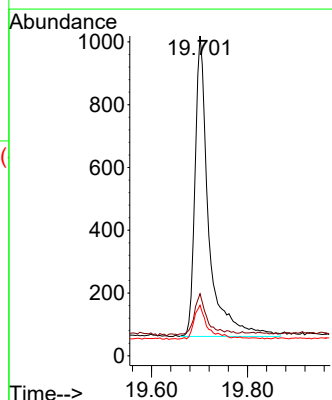
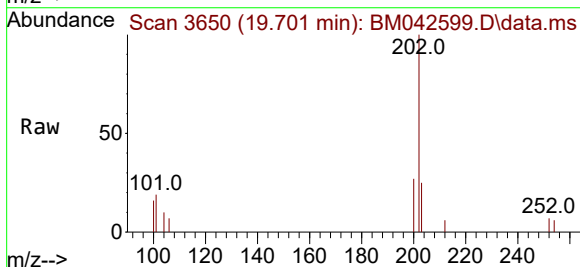
Tgt Ion:202 Resp: 1897

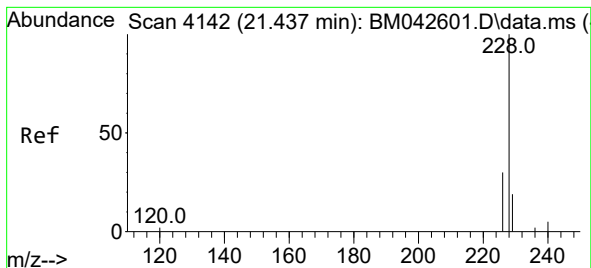
Ion Ratio Lower Upper

202 100

101 19.4 10.6 16.0#

100 15.8 8.6 13.0#





#21

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.445 min Scan# 4145

Delta R.T. 0.009 min

Lab File: BM042599.D

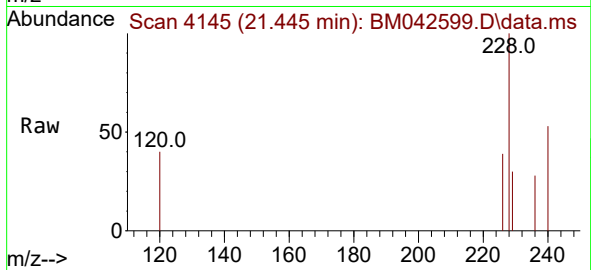
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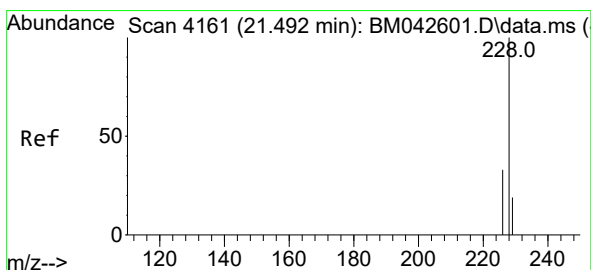
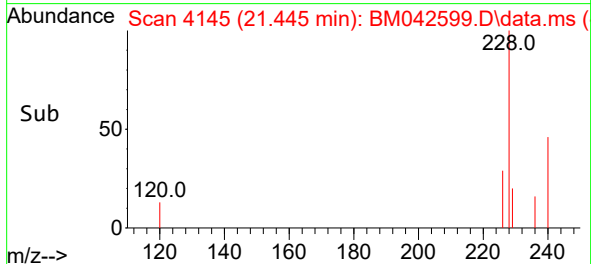
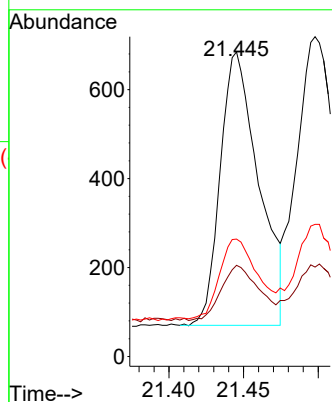
Tgt Ion:228 Resp: 1102

Ion Ratio Lower Upper

228 100

229 29.9 17.0 25.4#

226 38.5 25.2 37.8#



#22

Chrysene

Concen: 0.061 ng/ul

RT: 21.498 min Scan# 4163

Delta R.T. 0.006 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

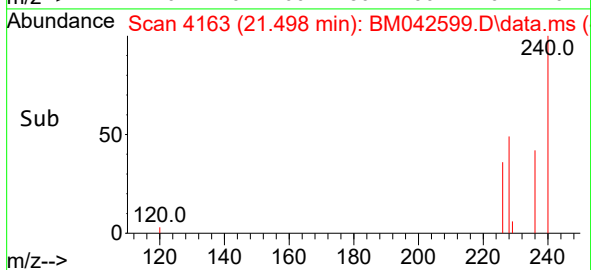
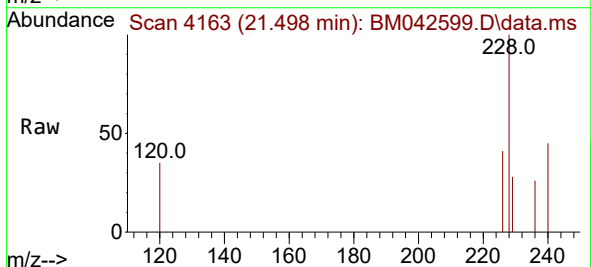
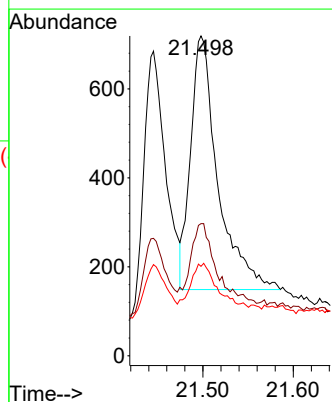
Tgt Ion:228 Resp: 1197

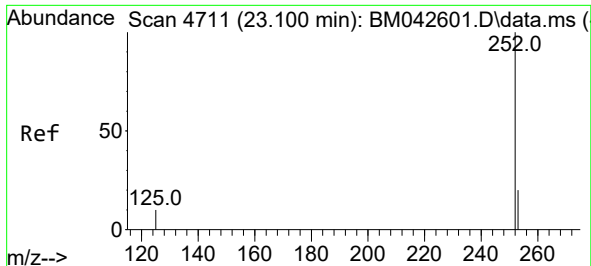
Ion Ratio Lower Upper

228 100

226 41.3 27.4 41.0#

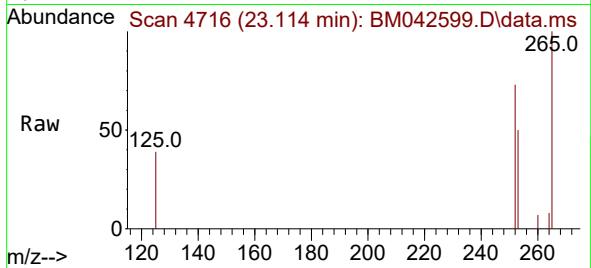
229 28.0 17.0 25.6#



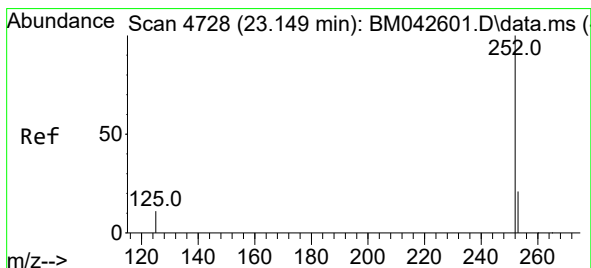
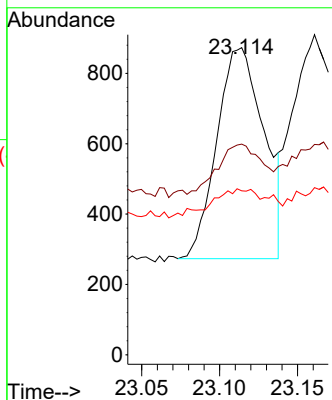


#24
Benzo(b)fluoranthene
Concen: 0.052 ng/ul
RT: 23.114 min Scan# 4716
Delta R.T. 0.015 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

Instrument :
BNA_M
ClientSampleId :
SSTD0.1008

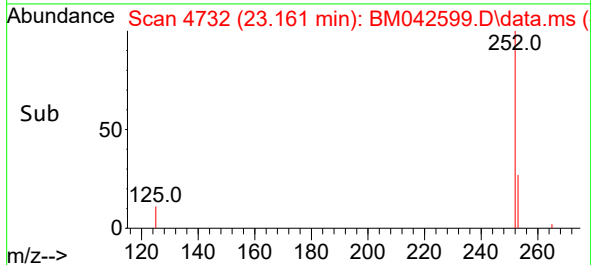
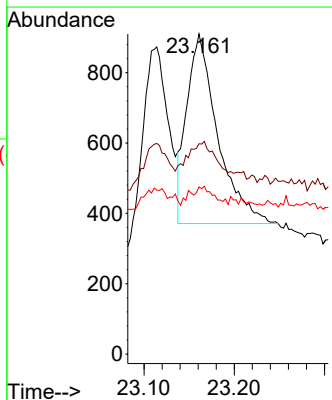
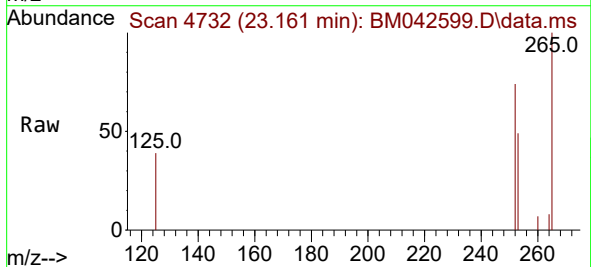


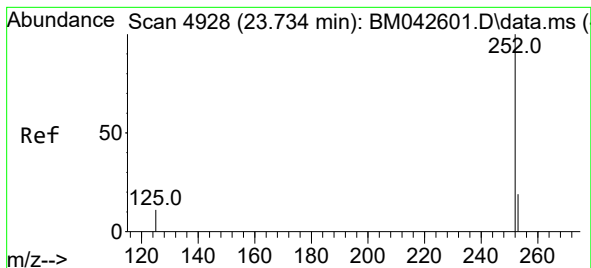
Tgt Ion:252 Resp: 1266
Ion Ratio Lower Upper
252 100
253 68.6 0.0 65.8#
125 53.4 0.0 43.6#



#25
Benzo(k)fluoranthene
Concen: 0.051 ng/ul
RT: 23.161 min Scan# 4732
Delta R.T. 0.012 min
Lab File: BM042599.D
Acq: 06 Nov 2023 21:07

Tgt Ion:252 Resp: 1280
Ion Ratio Lower Upper
252 100
253 65.7 27.0 40.6#
125 52.2 17.5 26.3#





#26

Benzo(a)pyrene

Concen: 0.072 ng/ul

RT: 23.740 min Scan# 4928

Delta R.T. 0.006 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.1008

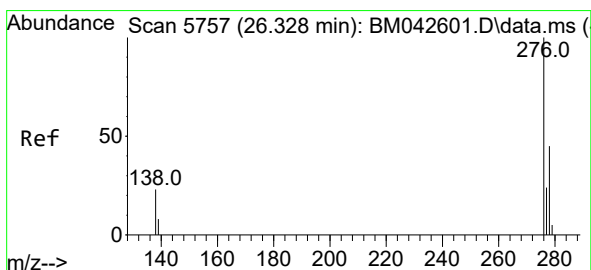
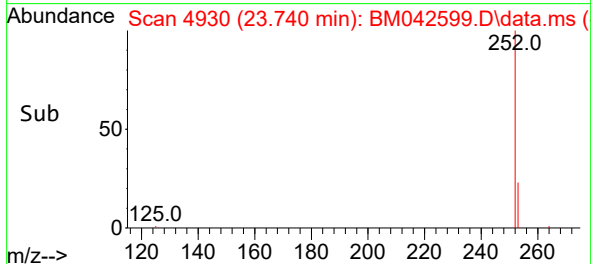
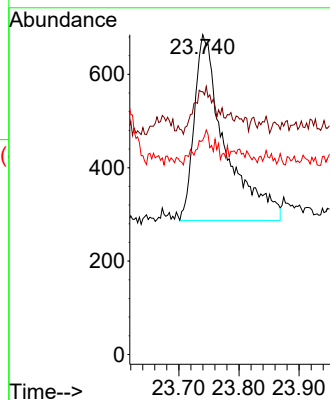
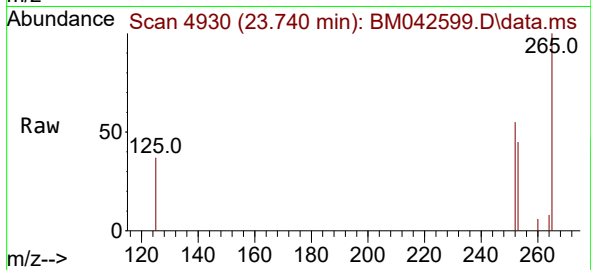
Tgt Ion:252 Resp: 1418

Ion Ratio Lower Upper

252 100

253 82.2 31.7 47.5#

125 67.0 22.1 33.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.070 ng/ul

RT: 26.351 min Scan# 5764

Delta R.T. 0.023 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

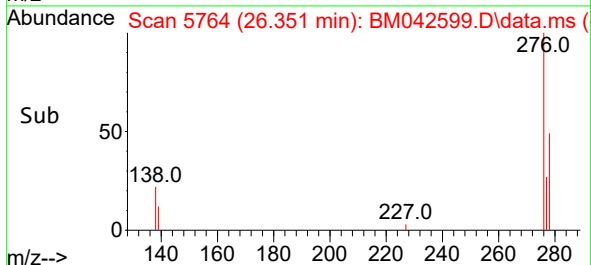
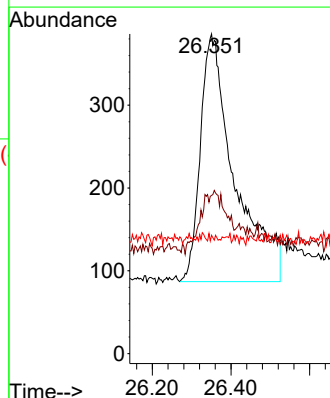
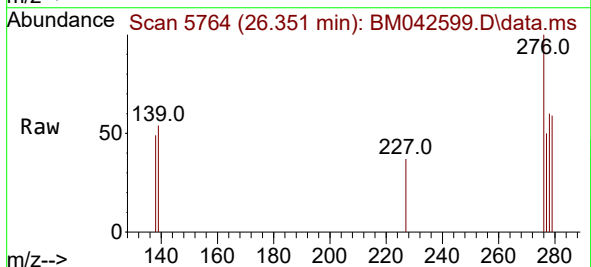
Tgt Ion:276 Resp: 1809

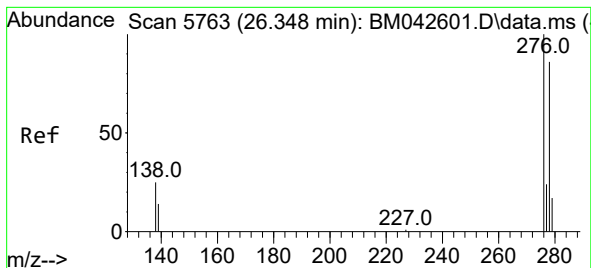
Ion Ratio Lower Upper

276 100

138 24.5 20.7 31.1

227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.067 ng/ul

RT: 26.364 min Scan# 5

Delta R.T. 0.016 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.1008

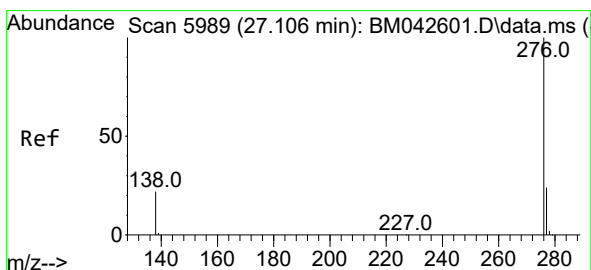
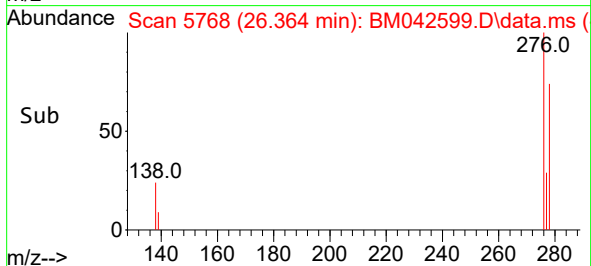
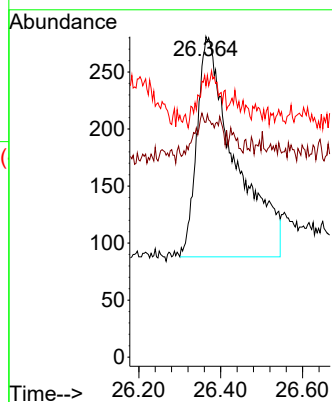
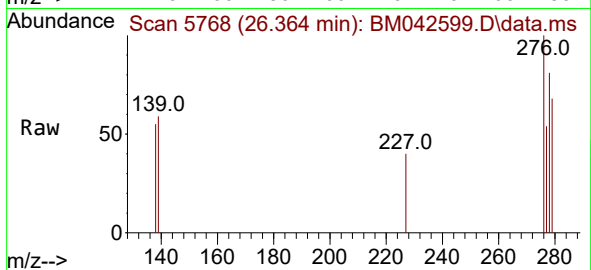
Tgt Ion:278 Resp: 1248

Ion Ratio Lower Upper

278 100

139 73.3 24.3 36.5#

279 84.7 31.5 47.3#



#29

Benzo(g,h,i)perylene

Concen: 0.078 ng/ul

RT: 27.122 min Scan# 5994

Delta R.T. 0.016 min

Lab File: BM042599.D

Acq: 06 Nov 2023 21:07

Tgt Ion:276 Resp: 1726

Ion Ratio Lower Upper

276 100

138 46.9 22.3 33.5#

277 44.3 23.6 35.4#

