

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102023\
 Data File : BM042379.D
 Acq On : 20 Oct 2023 11:34
 Operator : MA/JU
 Sample : 04696-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Oct 20 12:39:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 14:30:27 2023
 Response via : Initial Calibration

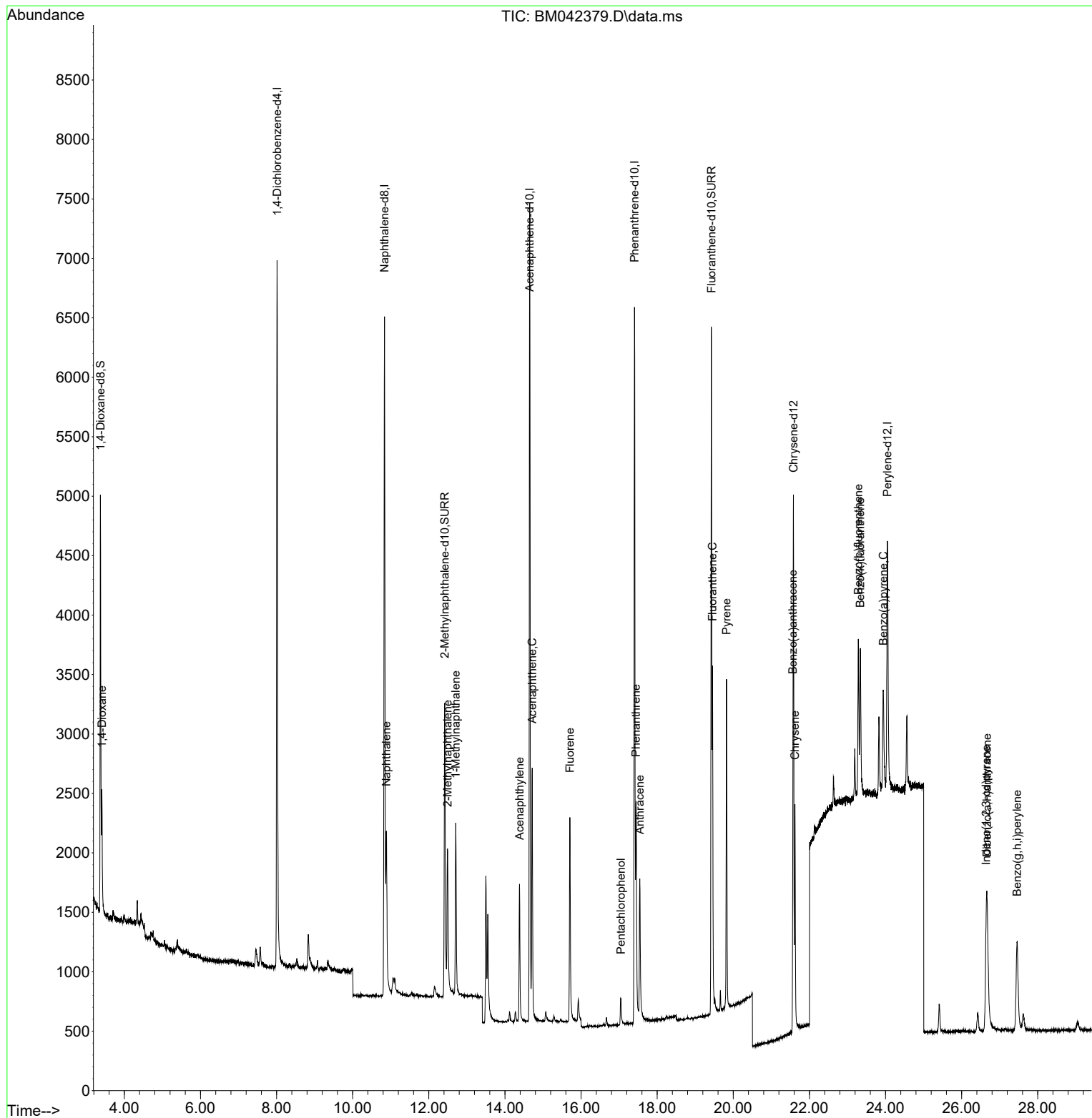
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3384	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	8915	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3715	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7057	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	2933	0.400	ng/ul	0.00
23) Perylene-d12	24.050	264	3195	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2058	0.412	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4154	0.379	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5313	0.400	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	559	0.105	ng/ul#	83
5) Naphthalene	10.884	128	1967	0.069	ng/ul#	88
7) 2-Methylnaphthalene	12.495	142	1112	0.067	ng/ul	98
8) 1-Methylnaphthalene	12.709	142	1155	0.068	ng/ul	99
10) Acenaphthylene	14.384	152	1547	0.069	ng/ul#	90
11) Acenaphthene	14.717	153	1260	0.069	ng/ul	99
12) Fluorene	15.707	166	1339	0.067	ng/ul#	93
14) Pentachlorophenol	17.046	266	207	0.077	ng/ul	95
15) Phenanthrene	17.447	178	2106	0.069	ng/ul#	90
16) Anthracene	17.544	178	1698	0.065	ng/ul#	89
19) Fluoranthene	19.455	202	2244	0.070	ng/ul#	94
20) Pyrene	19.822	202	2230	0.067	ng/ul#	91
21) Benzo(a)anthracene	21.568	228	1494	0.068	ng/ul	93
22) Chrysene	21.621	228	1700	0.076	ng/ul	94
24) Benzo(b)fluoranthene	23.287	252	1747	0.067	ng/ul	59
25) Benzo(k)fluoranthene	23.336	252	1744	0.071	ng/ul#	58
26) Benzo(a)pyrene	23.942	252	1445	0.070	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.646	276	1998	0.075	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.673	278	1415	0.074	ng/ul#	70
29) Benzo(g,h,i)perylene	27.461	276	1801	0.079	ng/ul#	86

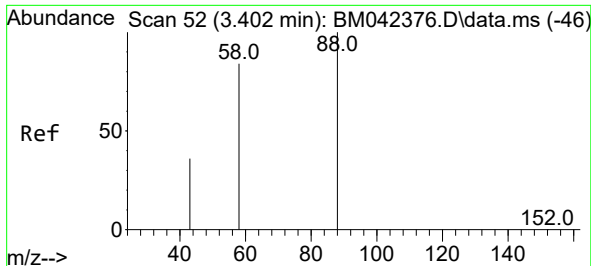
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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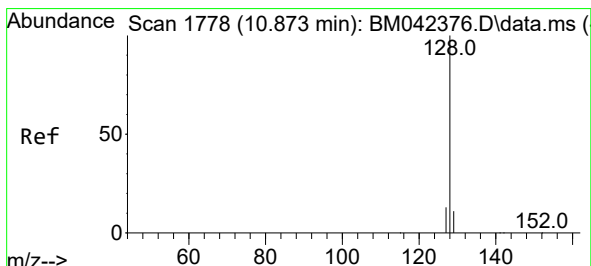
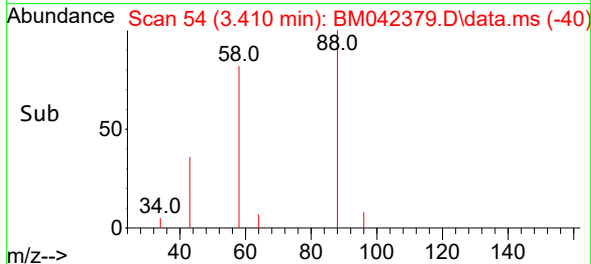
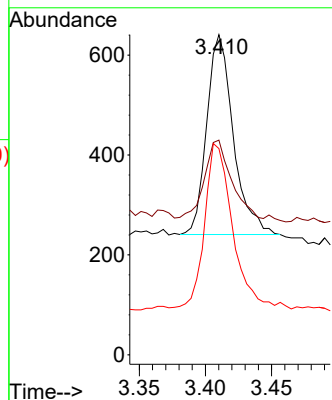
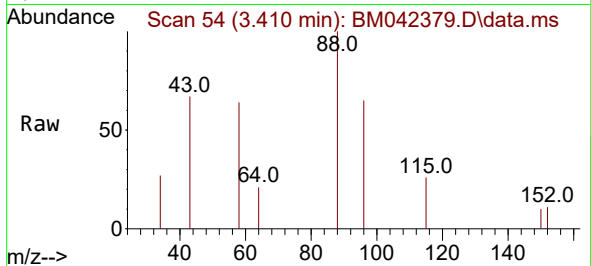




#2
1,4-Dioxane
Concen: 0.105 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

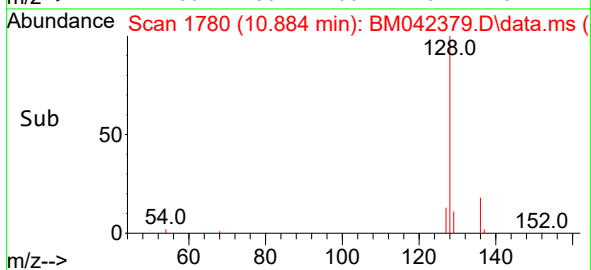
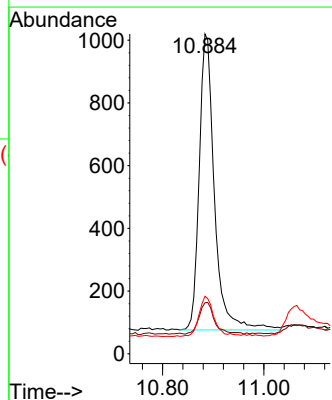
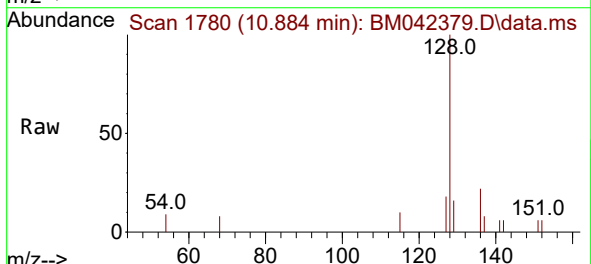
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-08

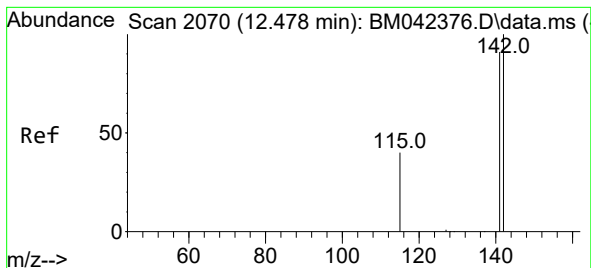
Tgt Ion: 88 Resp: 559
Ion Ratio Lower Upper
88 100
43 67.1 41.0 61.6#
58 64.4 60.9 91.3



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

Tgt Ion: 128 Resp: 1967
Ion Ratio Lower Upper
128 100
129 16.0 9.0 13.6#
127 18.0 10.6 16.0#





#7

2-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.495 min Scan# 2070

Delta R.T. 0.005 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

Instrument :

BNA_M

ClientSampleId :

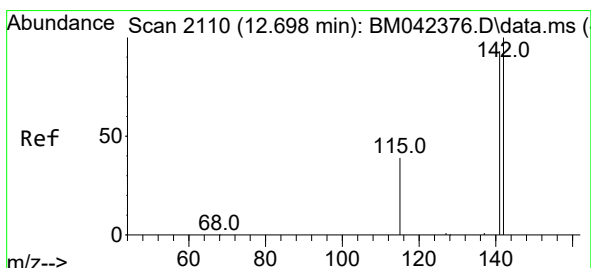
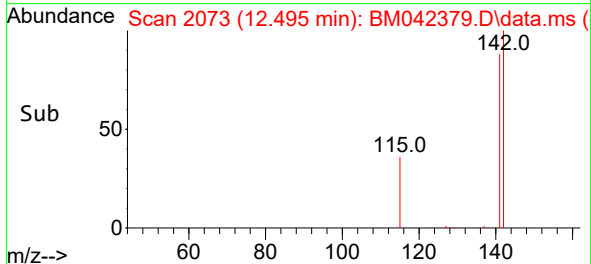
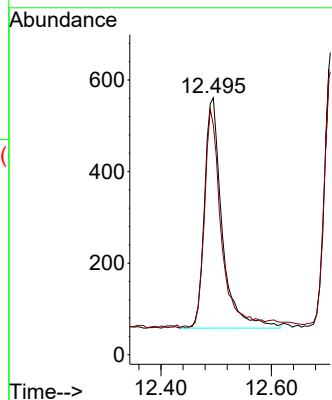
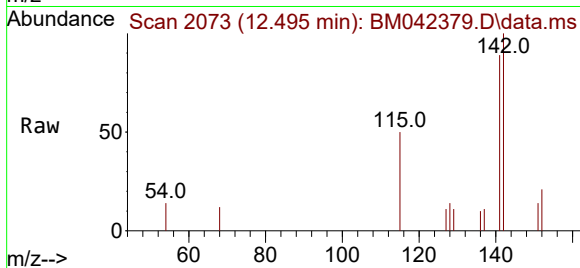
MDL-WATER-QT4-2023-08

Tgt Ion:142 Resp: 1112

Ion Ratio Lower Upper

142 100

141 91.5 71.9 107.9



#8

1-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.709 min Scan# 2112

Delta R.T. 0.005 min

Lab File: BM042379.D

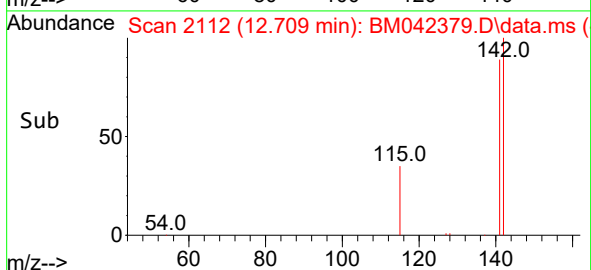
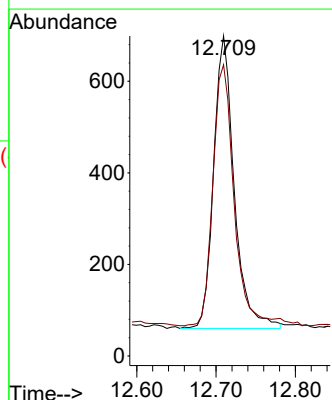
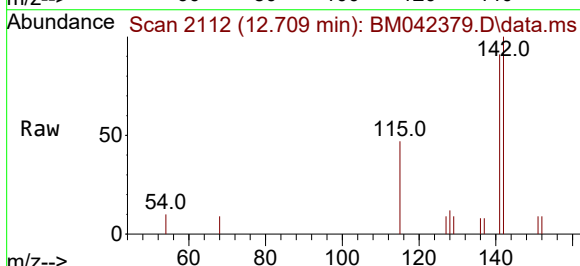
Acq: 20 Oct 2023 11:34

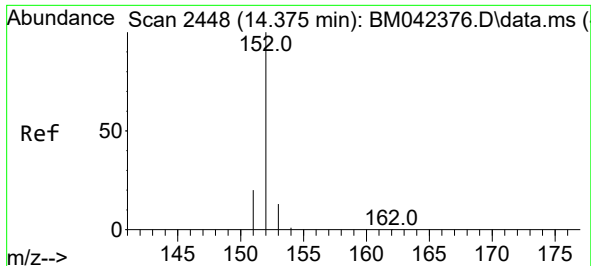
Tgt Ion:142 Resp: 1155

Ion Ratio Lower Upper

142 100

141 90.8 73.7 110.5

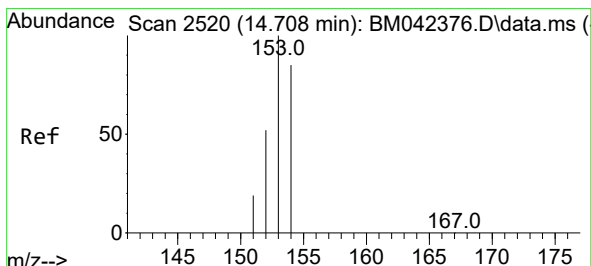
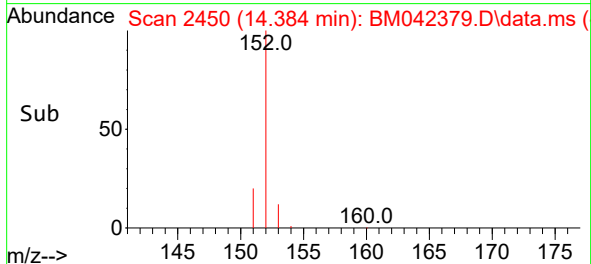
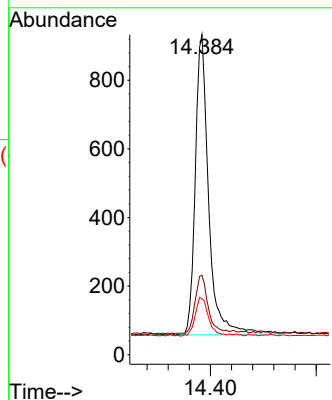
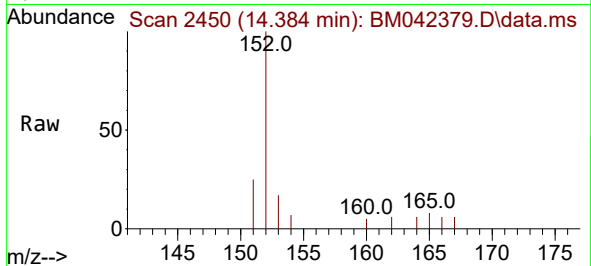




#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.384 min Scan# 2448
Delta R.T. 0.005 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

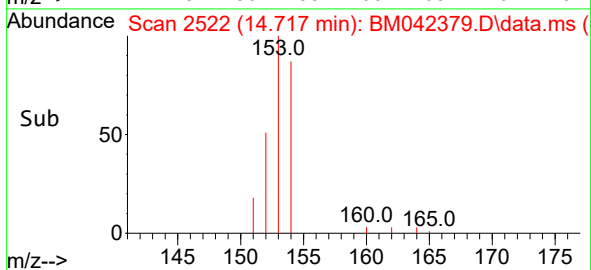
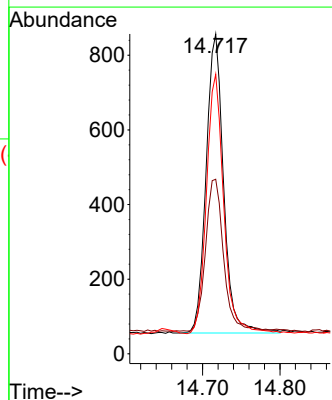
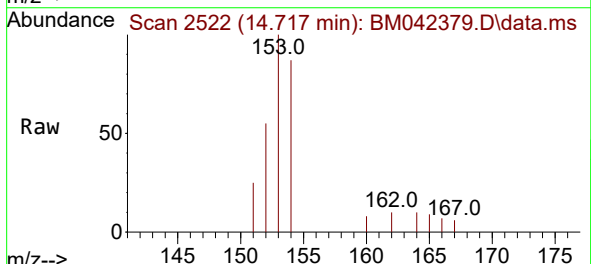
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-08

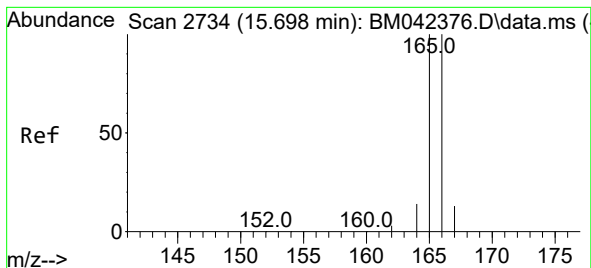
Tgt Ion:152 Resp: 1547
Ion Ratio Lower Upper
152 100
151 24.9 16.2 24.4#
153 17.5 10.8 16.2#



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

Tgt Ion:153 Resp: 1260
Ion Ratio Lower Upper
153 100
152 54.6 41.7 62.5
154 87.4 70.0 105.0





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.707 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT4-2023-08

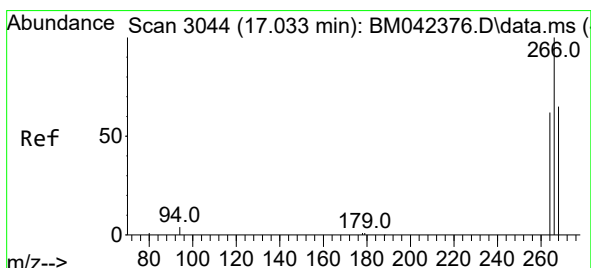
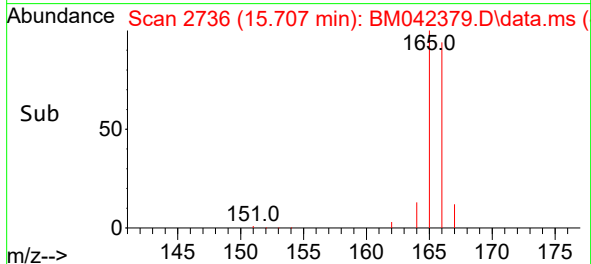
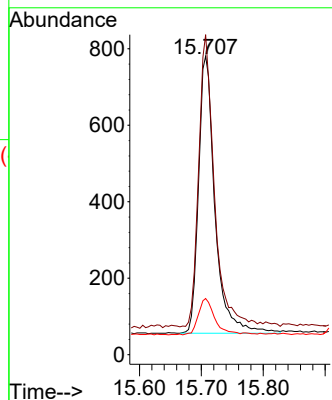
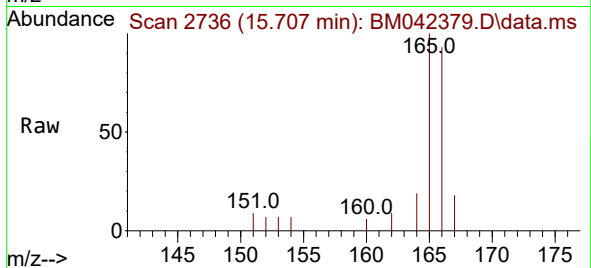
Tgt Ion:166 Resp: 1339

Ion Ratio Lower Upper

166 100

165 107.2 80.3 120.5

167 18.8 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.077 ng/ul

RT: 17.046 min Scan# 3047

Delta R.T. 0.008 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

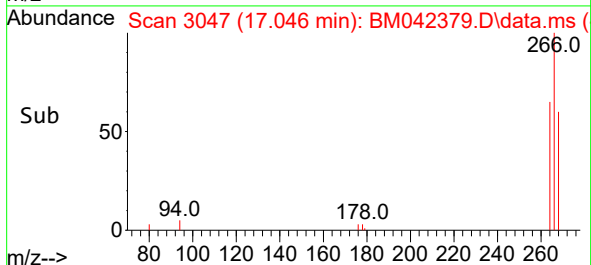
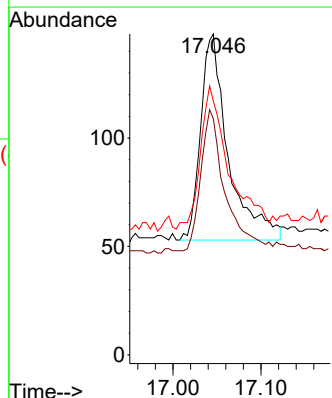
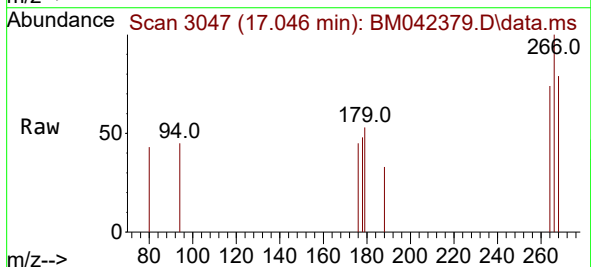
Tgt Ion:266 Resp: 207

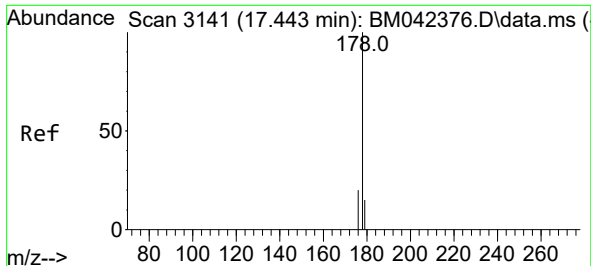
Ion Ratio Lower Upper

266 100

264 60.4 49.8 74.8

268 71.0 51.9 77.9

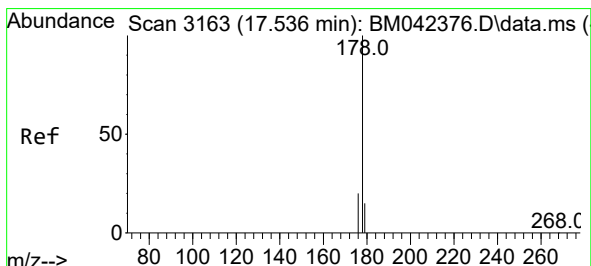
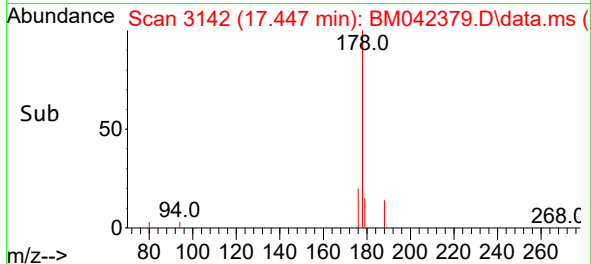
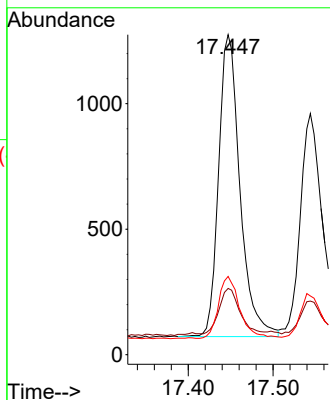
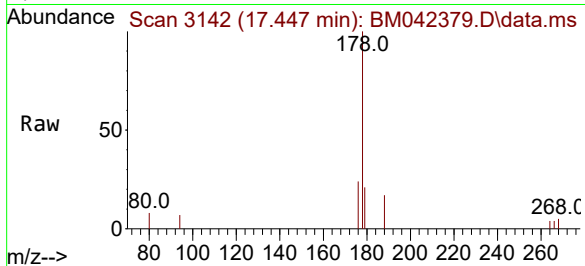




#15
Phenanthrene
Concen: 0.069 ng/ul
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

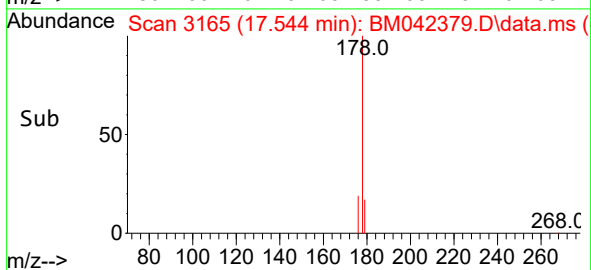
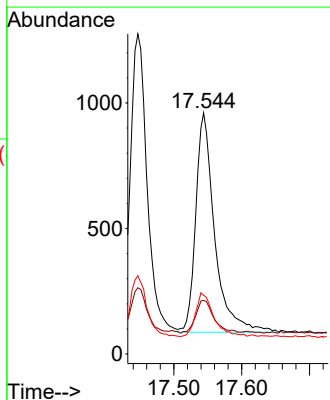
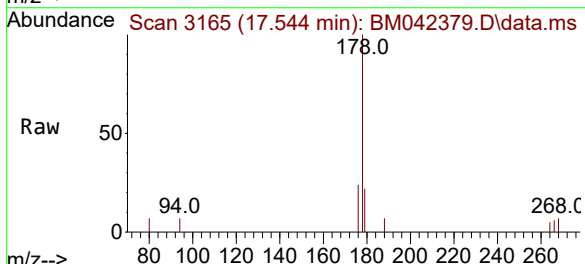
Instrument :
BNA_M
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MDL-WATER-QT4-2023-08

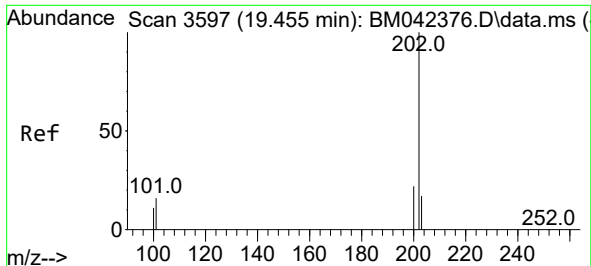
Tgt Ion:178 Resp: 2106
Ion Ratio Lower Upper
178 100
179 20.7 12.6 19.0#
176 24.5 16.4 24.6



#16
Anthracene
Concen: 0.065 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

Tgt Ion:178 Resp: 1698
Ion Ratio Lower Upper
178 100
179 22.3 12.9 19.3#
176 24.3 16.4 24.6

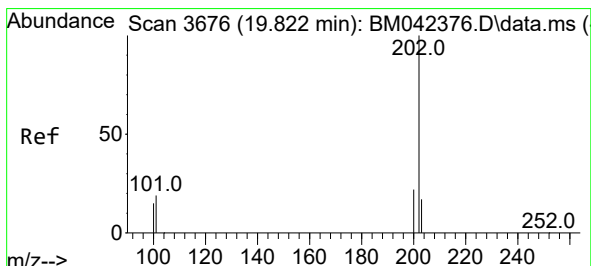
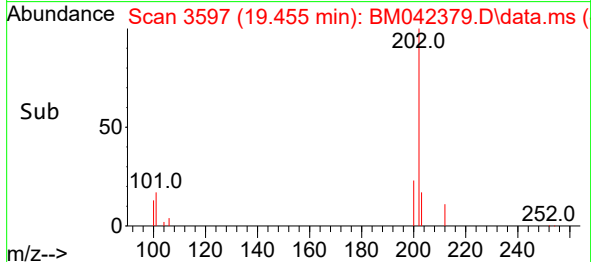
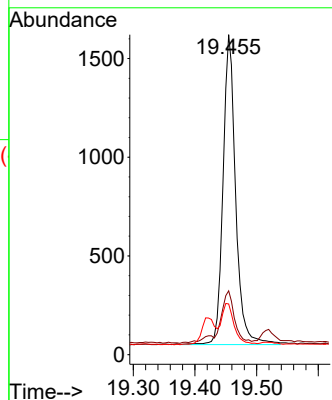
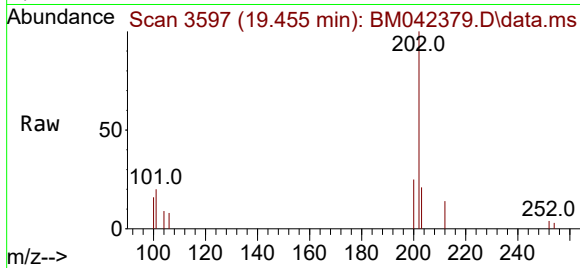




#19
Fluoranthene
Concen: 0.070 ng/ul
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

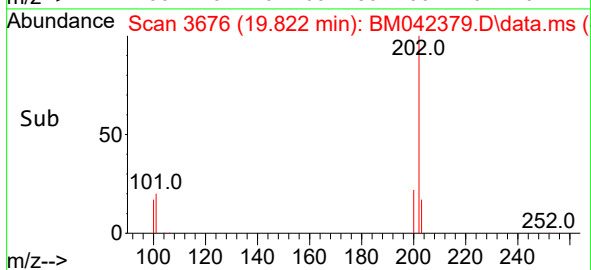
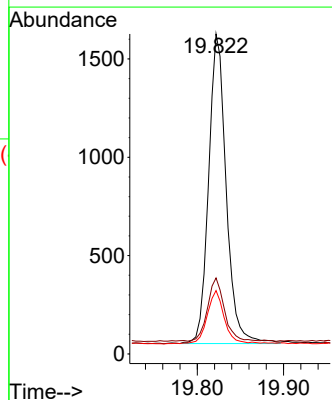
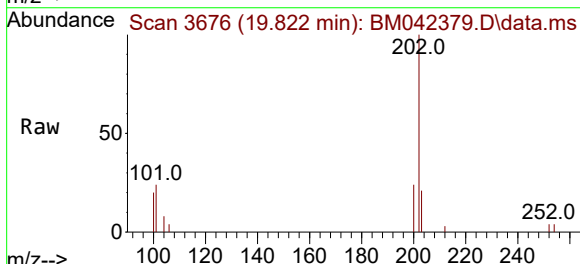
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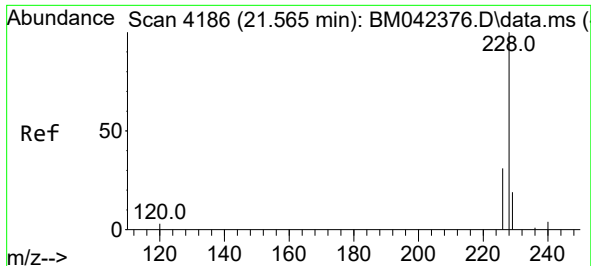
Tgt Ion:202 Resp: 2244
Ion Ratio Lower Upper
202 100
101 19.9 14.0 21.0
100 15.9 10.4 15.6#



#20
Pyrene
Concen: 0.067 ng/ul
RT: 19.822 min Scan# 3676
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

Tgt Ion:202 Resp: 2230
Ion Ratio Lower Upper
202 100
101 23.7 15.8 23.8
100 19.8 12.9 19.3#

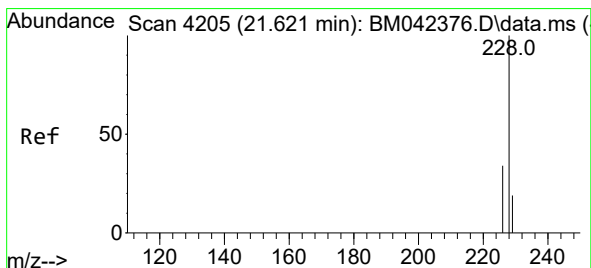
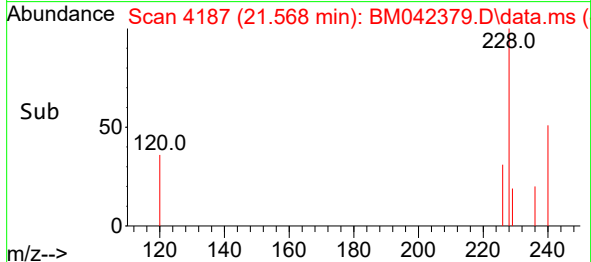
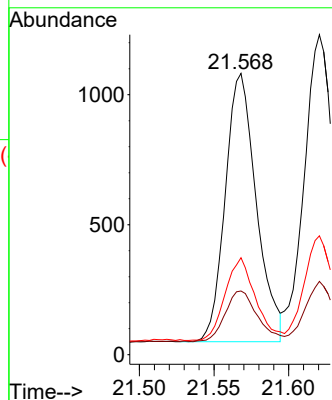
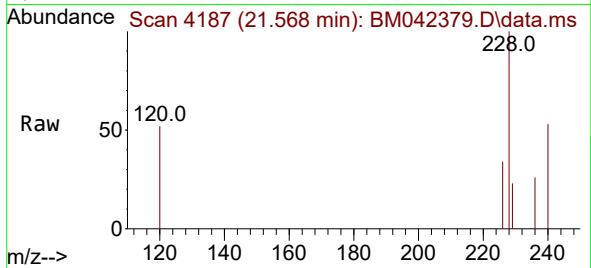




#21
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.568 min Scan# 4187
Delta R.T. 0.003 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

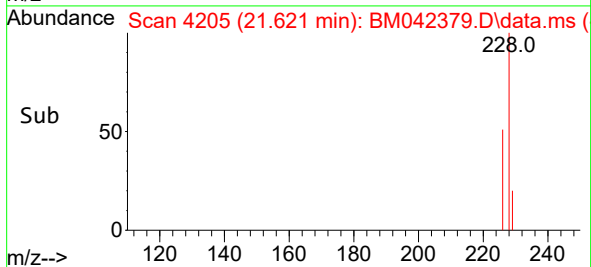
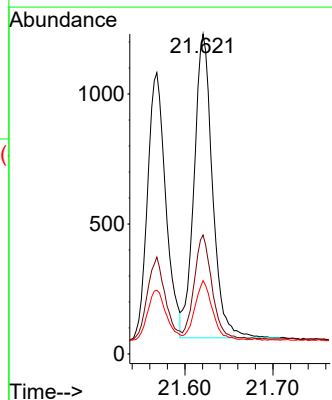
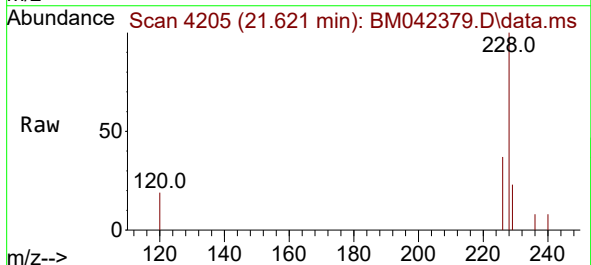
Instrument :
BNA_M
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MDL-WATER-QT4-2023-08

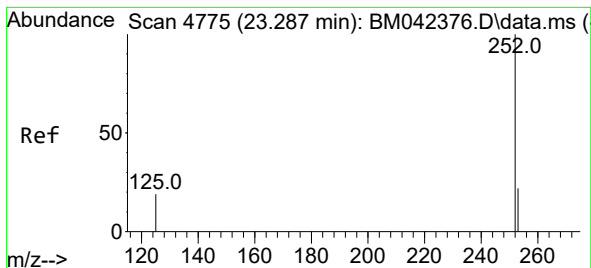
Tgt Ion:228 Resp: 1494
Ion Ratio Lower Upper
228 100
229 22.6 15.6 23.4
226 34.5 24.7 37.1



#22
Chrysene
Concen: 0.076 ng/ul
RT: 21.621 min Scan# 4205
Delta R.T. 0.000 min
Lab File: BM042379.D
Acq: 20 Oct 2023 11:34

Tgt Ion:228 Resp: 1700
Ion Ratio Lower Upper
228 100
226 37.1 27.1 40.7
229 22.9 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.067 ng/ul

RT: 23.287 min Scan# 4775

Delta R.T. 0.003 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT4-2023-08

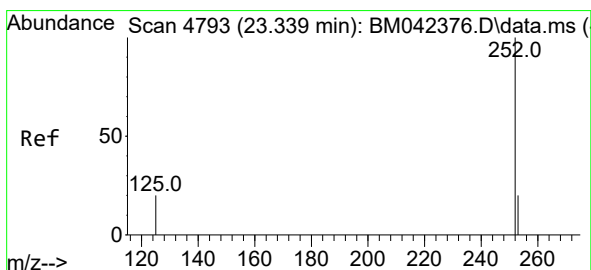
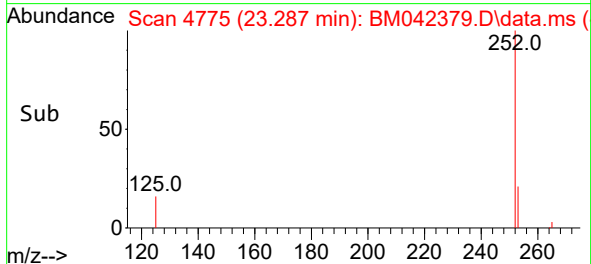
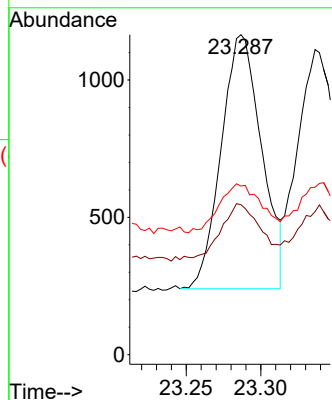
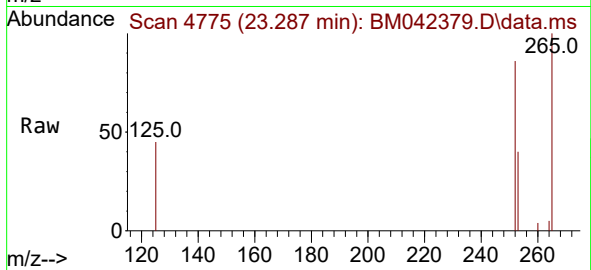
Tgt Ion:252 Resp: 1747

Ion Ratio Lower Upper

252 100

253 46.9 0.0 56.4

125 52.7 0.0 56.0



#25

Benzo(k)fluoranthene

Concen: 0.071 ng/ul

RT: 23.336 min Scan# 4792

Delta R.T. 0.000 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

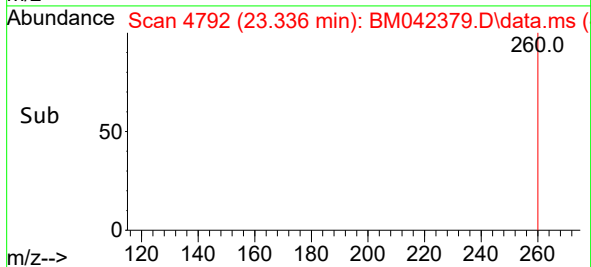
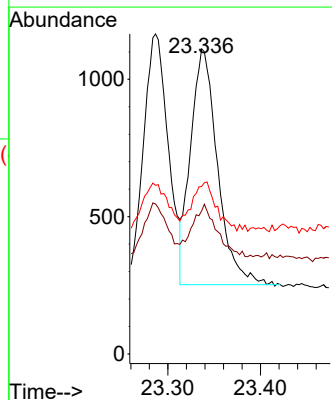
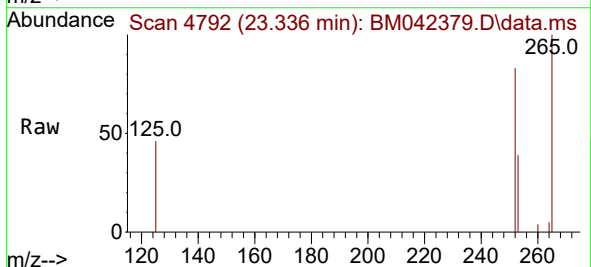
Tgt Ion:252 Resp: 1744

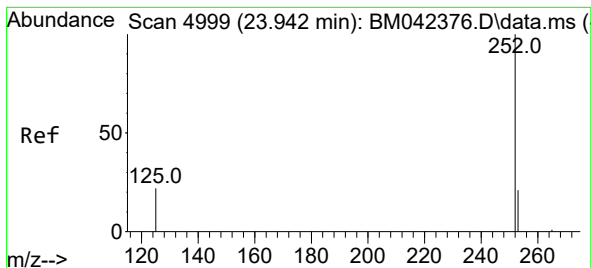
Ion Ratio Lower Upper

252 100

253 46.9 22.7 34.1#

125 54.9 23.0 34.4#





#26

Benzo(a)pyrene

Concen: 0.070 ng/ul

RT: 23.942 min Scan# 4999

Delta R.T. 0.003 min

Lab File: BM042379.D

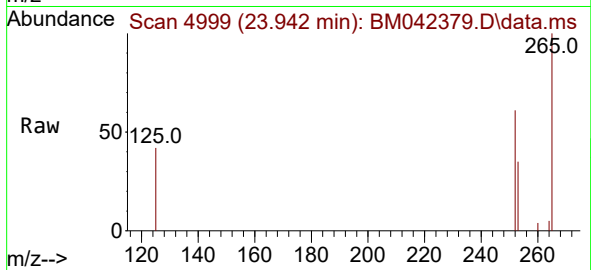
Acq: 20 Oct 2023 11:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT4-2023-08



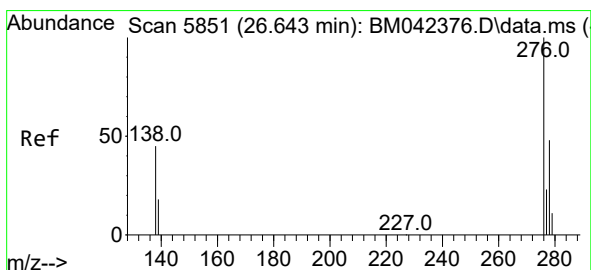
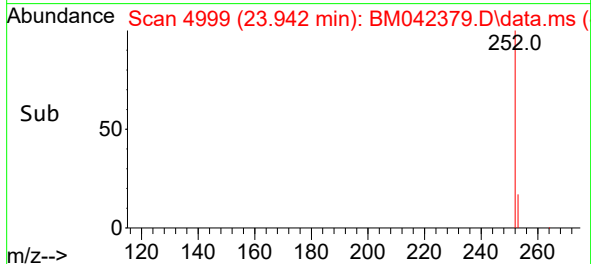
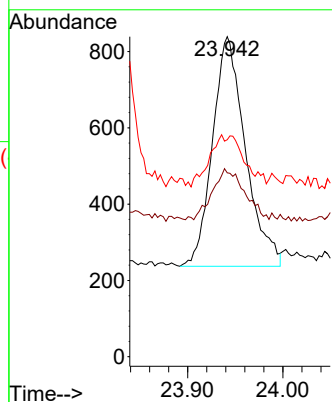
Tgt Ion:252 Resp: 1445

Ion Ratio Lower Upper

252 100

253 57.4 26.3 39.5#

125 67.8 27.7 41.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.075 ng/ul

RT: 26.646 min Scan# 5852

Delta R.T. 0.007 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

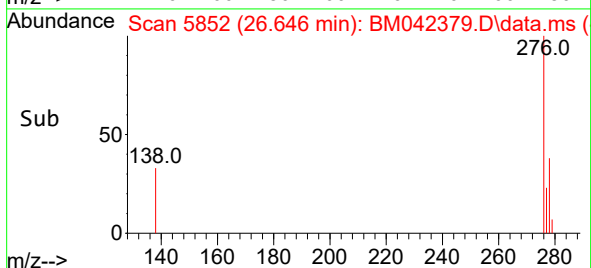
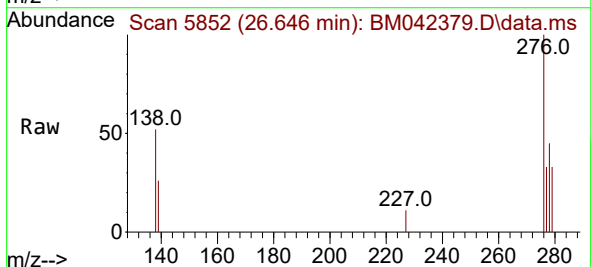
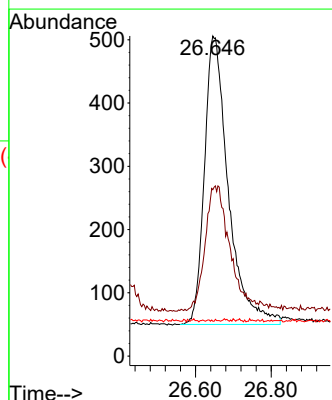
Tgt Ion:276 Resp: 1998

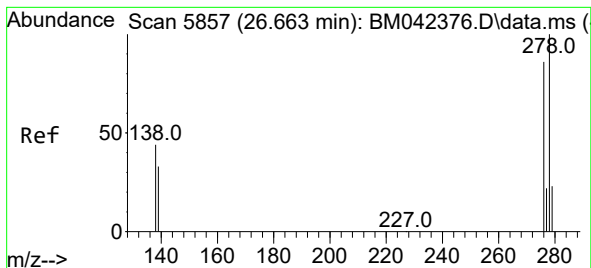
Ion Ratio Lower Upper

276 100

138 44.2 35.9 53.9

227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.074 ng/ul

RT: 26.673 min Scan# 5860

Delta R.T. 0.010 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT4-2023-08

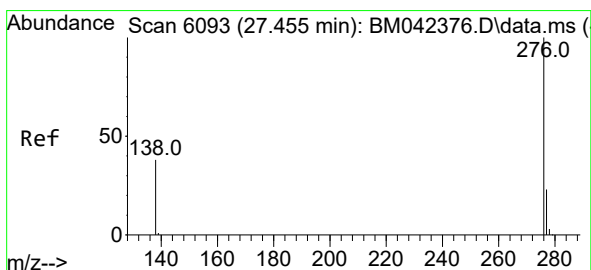
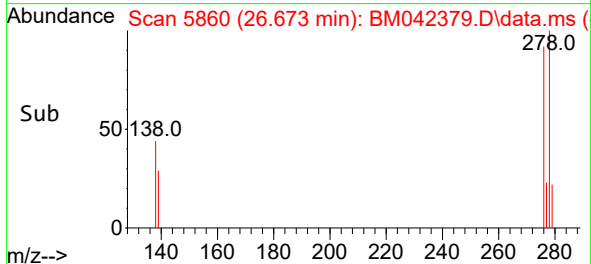
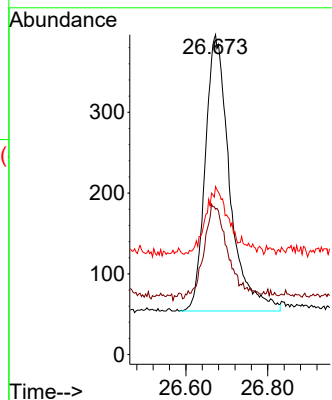
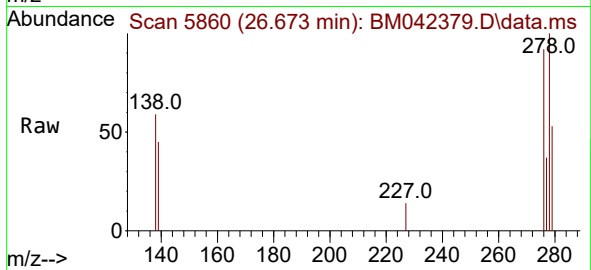
Tgt Ion:278 Resp: 1415

Ion Ratio Lower Upper

278 100

139 45.5 28.1 42.1#

279 52.5 22.9 34.3#



#29

Benzo(g,h,i)perylene

Concen: 0.079 ng/ul

RT: 27.461 min Scan# 6095

Delta R.T. 0.010 min

Lab File: BM042379.D

Acq: 20 Oct 2023 11:34

Tgt Ion:276 Resp: 1801

Ion Ratio Lower Upper

276 100

138 48.7 33.3 49.9

277 33.7 19.9 29.9#

