

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM123022\
 Data File : BM038350.D
 Acq On : 30 Dec 2022 13:42
 Operator : CG/JU
 Sample : N5388-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Dec 30 22:51:49 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 01:43:54 2022
 Response via : Initial Calibration

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

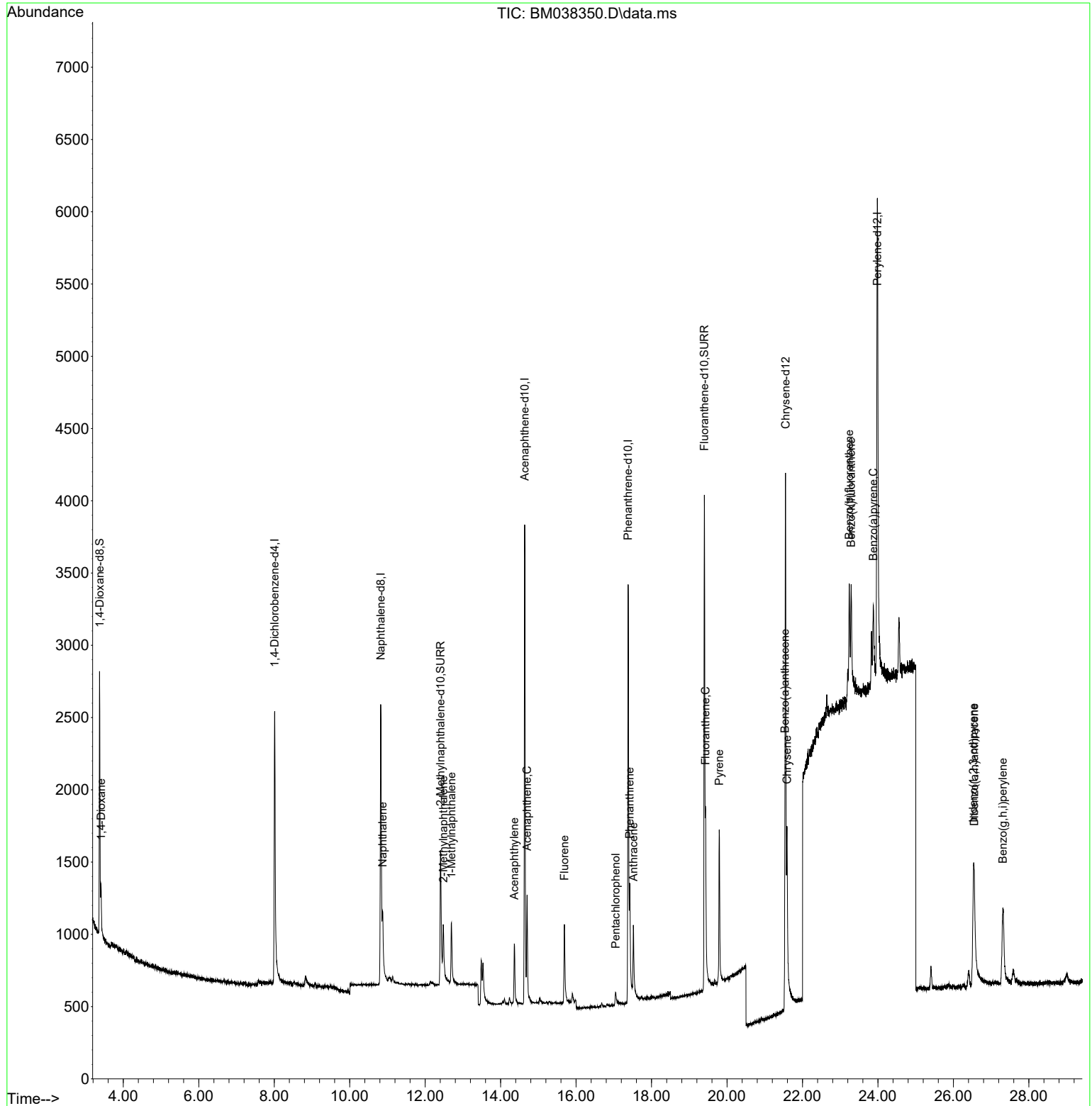
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	1324	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	3676	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.638	164	2017	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.379	188	4308	0.400	ng/ul	0.00
17) Chrysene-d12	21.551	240	4421	0.400	ng/ul	0.00
23) Perylene-d12	23.985	264	5480	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	1143	0.579	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.407	152	1911	0.346	ng/ul	0.00
18) Fluoranthene-d10	19.399	212	4852	0.387	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	209	0.103	ng/ul#	79
5) Naphthalene	10.873	128	624	0.064	ng/ul#	72
7) 2-Methylnaphthalene	12.484	142	374	0.062	ng/ul	93
8) 1-Methylnaphthalene	12.698	142	375	0.061	ng/ul	96
10) Acenaphthylene	14.365	152	614	0.065	ng/ul#	77
11) Acenaphthene	14.703	153	452	0.065	ng/ul	94
12) Fluorene	15.689	166	515	0.065	ng/ul#	91
14) Pentachlorophenol	17.050	266	130	0.085	ng/ul	92
15) Phenanthrene	17.422	178	819	0.064	ng/ul#	80
16) Anthracene	17.519	178	709	0.061	ng/ul#	73
19) Fluoranthene	19.431	202	1058	0.069	ng/ul#	79
20) Pyrene	19.794	202	1144	0.070	ng/ul#	80
21) Benzo(a)anthracene	21.536	228	955	0.065	ng/ul#	89
22) Chrysene	21.591	228	1038	0.067	ng/ul#	90
24) Benzo(b)fluoranthene	23.240	252	1199	0.060	ng/ul#	40
25) Benzo(k)fluoranthene	23.287	252	1166	0.059	ng/ul#	39
26) Benzo(a)pyrene	23.877	252	1018	0.054	ng/ul#	27
27) Indeno(1,2,3-cd)pyrene	26.532	276	1661	0.061	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.552	278	1356	0.063	ng/ul#	31
29) Benzo(g,h,i)perylene	27.310	276	1487	0.061	ng/ul#	71

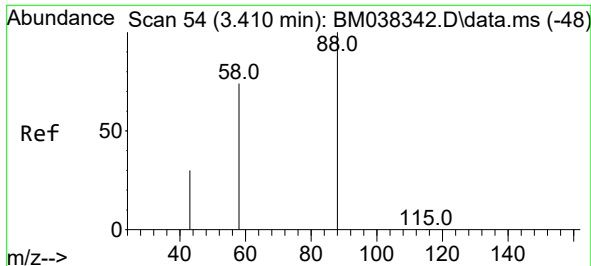
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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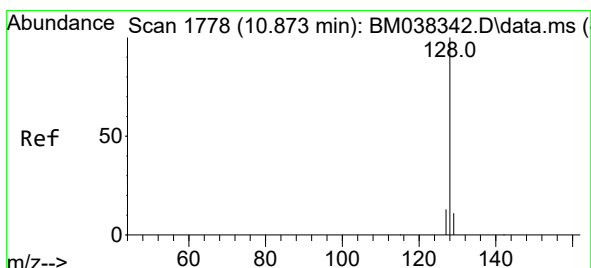
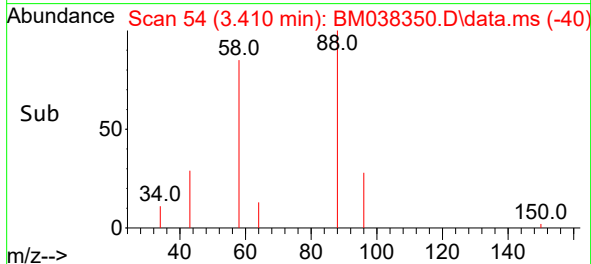
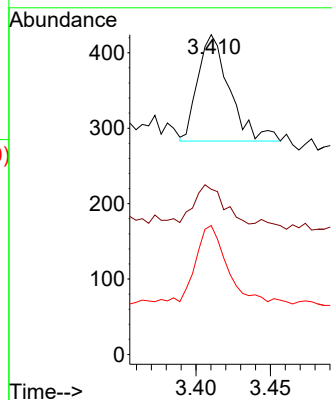
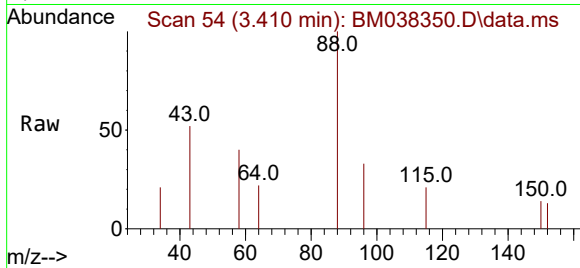




#2
1,4-Dioxane
Concen: 0.103 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

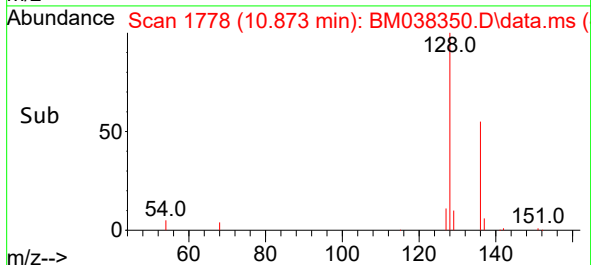
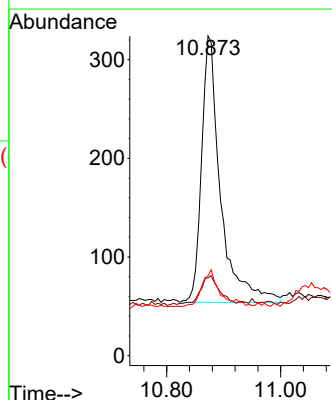
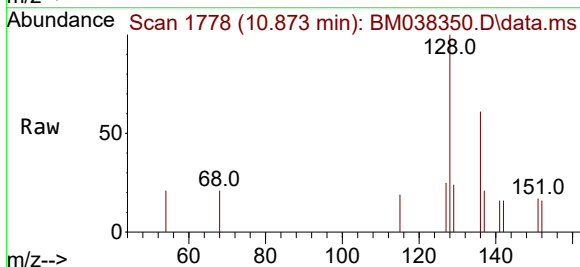
Instrument :
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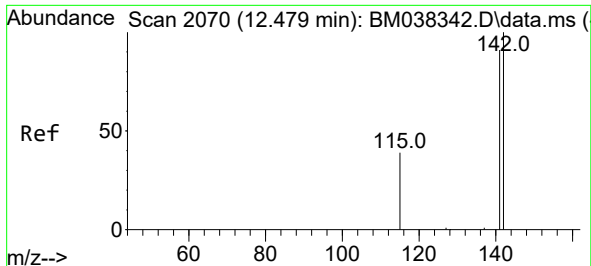
Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 51.7 32.6 49.0#
58 40.3 46.6 69.8#



#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.873 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion: 128 Resp: 624
Ion Ratio Lower Upper
128 100
129 24.4 10.2 15.2#
127 25.0 11.4 17.2#

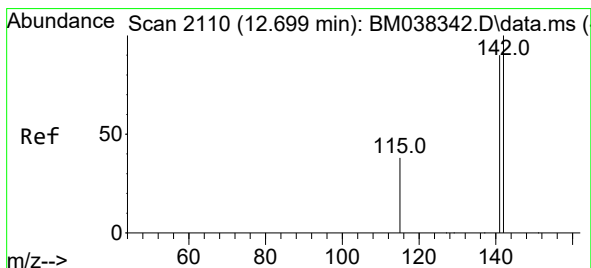
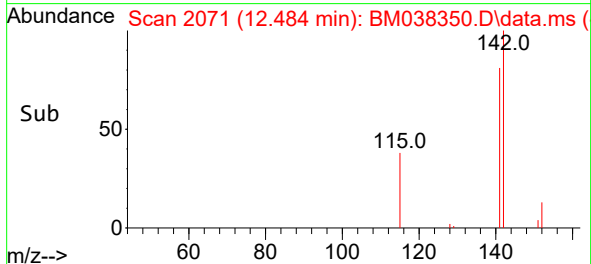
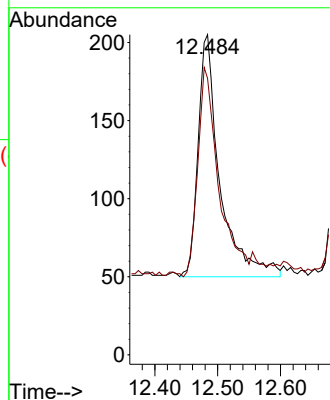
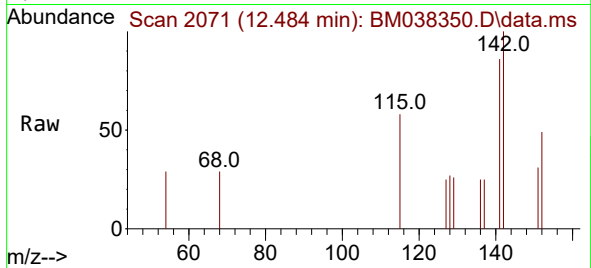




#7
2-Methylnaphthalene
Concen: 0.062 ng/ul
RT: 12.484 min Scan# 2071
Delta R.T. 0.005 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

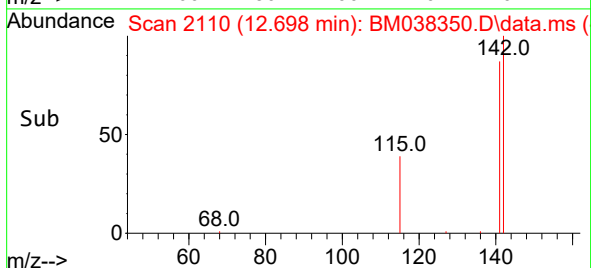
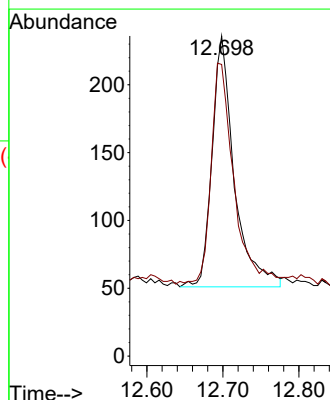
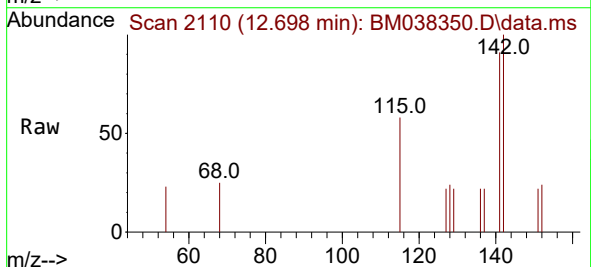
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

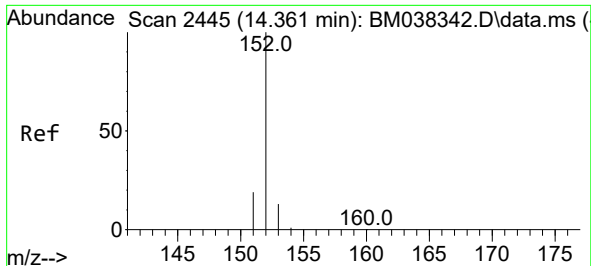
Tgt Ion:142 Resp: 374
Ion Ratio Lower Upper
142 100
141 82.9 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.698 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
141 88.0 73.2 109.8

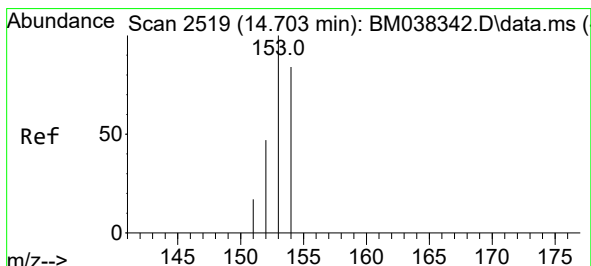
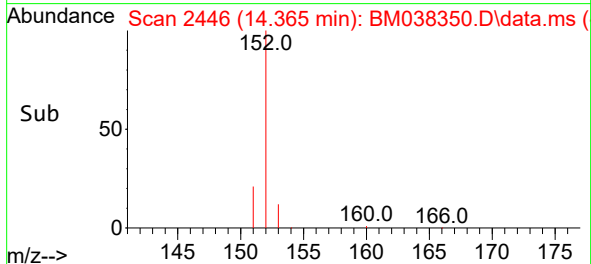
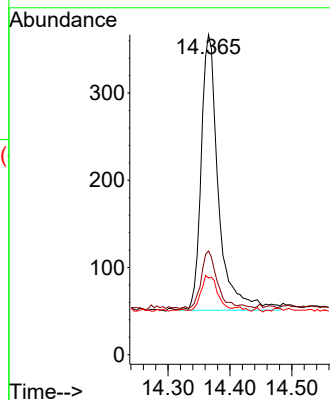
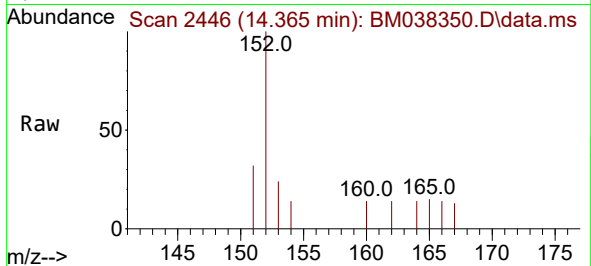




#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.365 min Scan# 2445
Delta R.T. 0.004 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

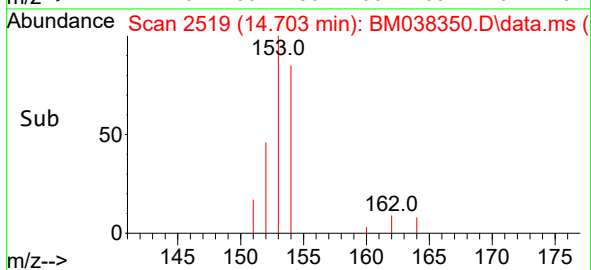
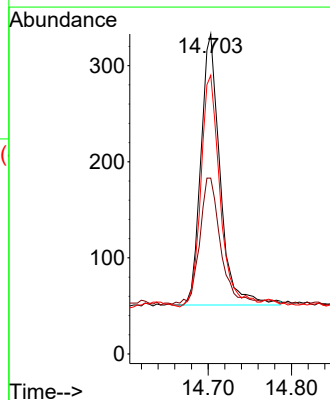
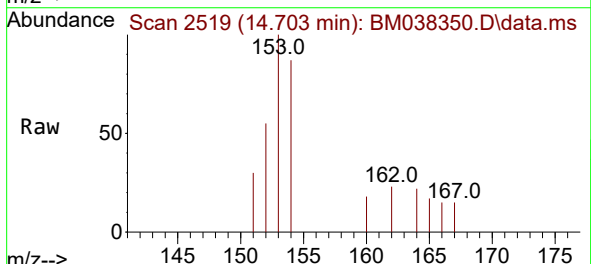
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

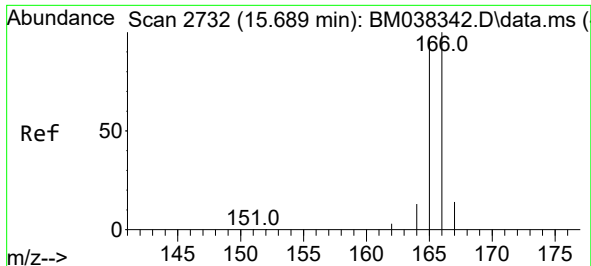
Tgt Ion:152 Resp: 614
Ion Ratio Lower Upper
152 100
151 32.4 17.0 25.4#
153 24.0 12.0 18.0#



#11
Acenaphthene
Concen: 0.065 ng/ul
RT: 14.703 min Scan# 2519
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:153 Resp: 452
Ion Ratio Lower Upper
153 100
152 55.0 38.8 58.2
154 87.1 67.3 100.9

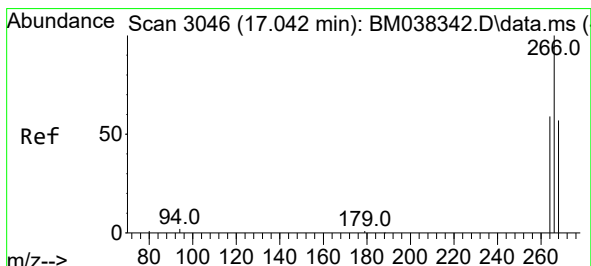
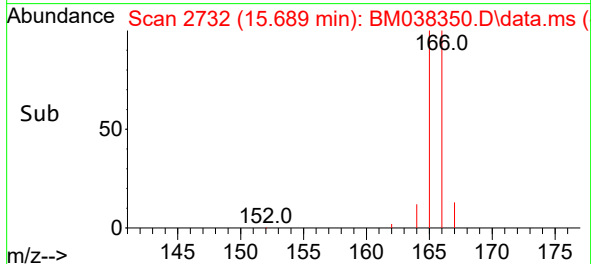
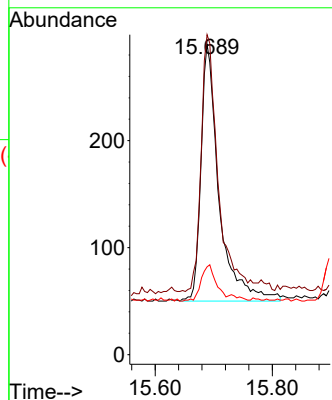
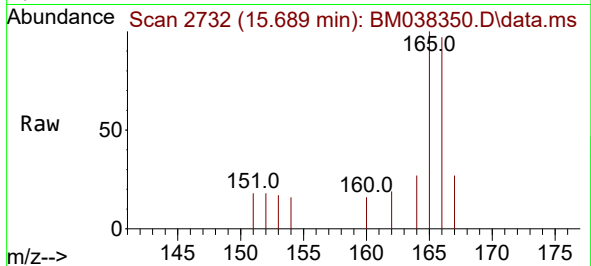




#12
Fluorene
Concen: 0.065 ng/ul
RT: 15.689 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

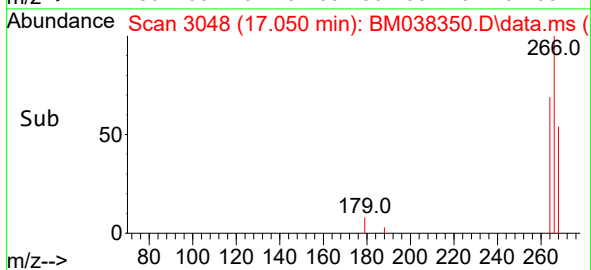
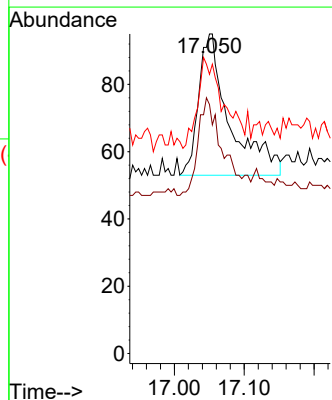
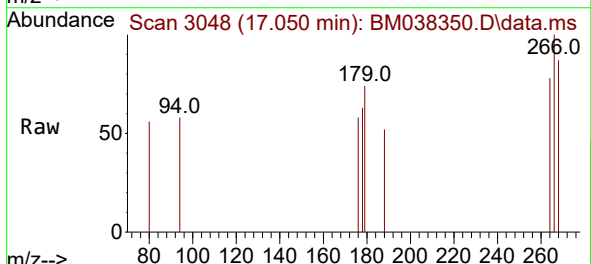
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

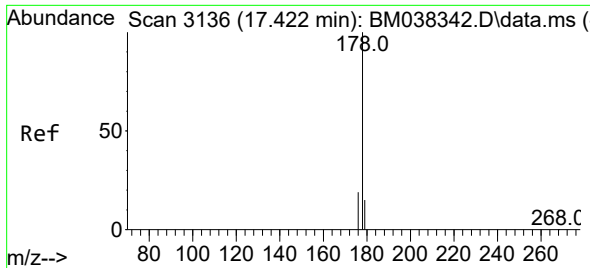
Tgt Ion:166 Resp: 515
Ion Ratio Lower Upper
166 100
165 103.1 78.2 117.2
167 28.3 12.5 18.7#



#14
Pentachlorophenol
Concen: 0.085 ng/ul
RT: 17.050 min Scan# 3048
Delta R.T. 0.008 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:266 Resp: 130
Ion Ratio Lower Upper
266 100
264 56.2 50.0 75.0
268 53.8 48.2 72.2

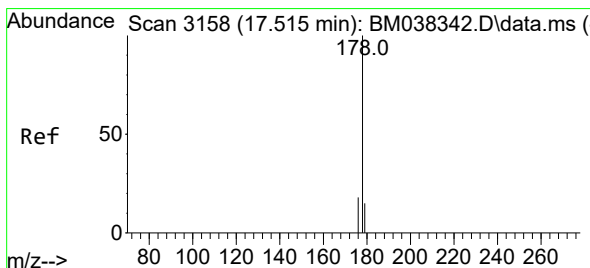
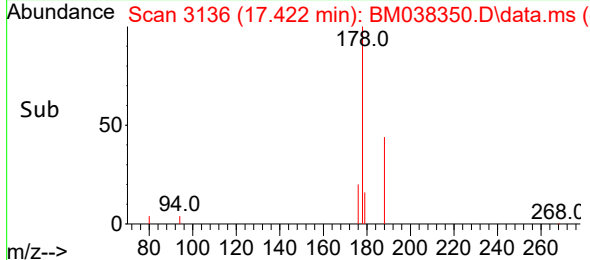
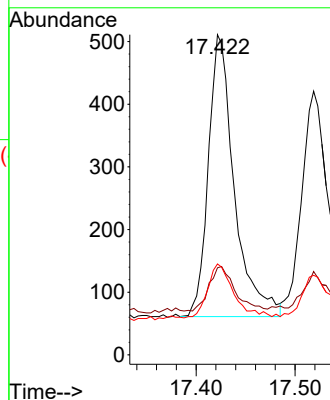
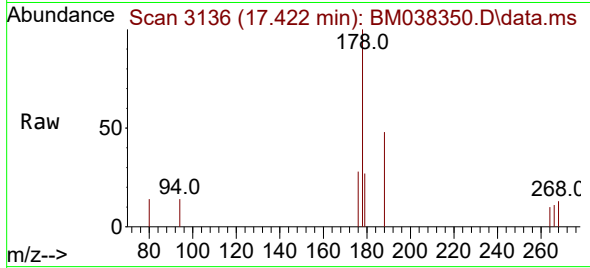




#15
Phenanthrene
Concen: 0.064 ng/ul
RT: 17.422 min Scan# 3136
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

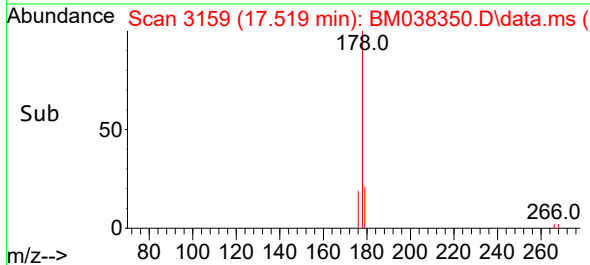
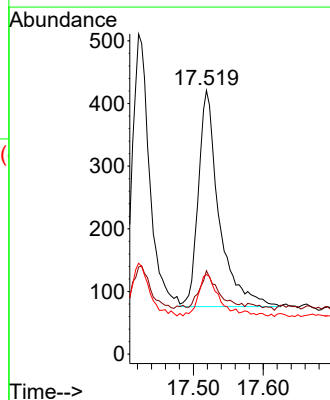
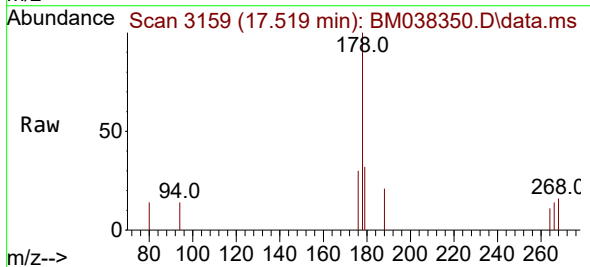
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT4-2022-07

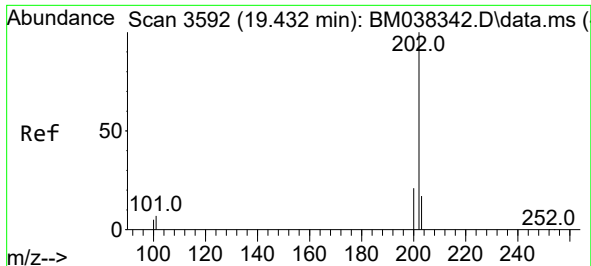
Tgt Ion:178 Resp: 819
Ion Ratio Lower Upper
178 100
179 27.2 13.5 20.3#
176 28.4 16.6 25.0#



#16
Anthracene
Concen: 0.061 ng/ul
RT: 17.519 min Scan# 3159
Delta R.T. 0.004 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:178 Resp: 709
Ion Ratio Lower Upper
178 100
179 31.6 14.2 21.2#
176 30.2 15.8 23.8#

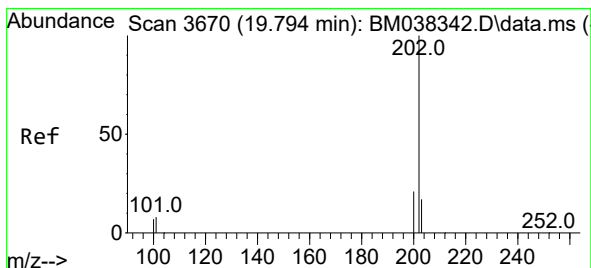
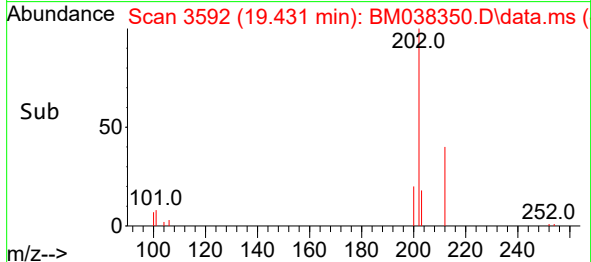
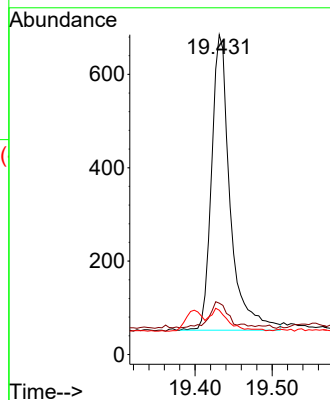
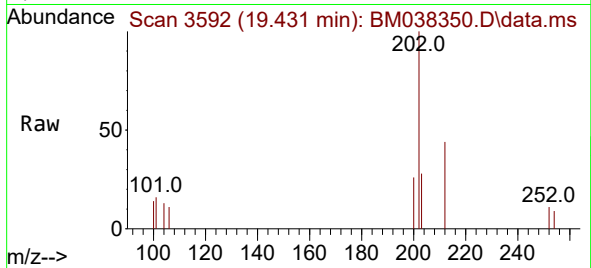




#19
Fluoranthene
Concen: 0.069 ng/ul
RT: 19.431 min Scan# 3592
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

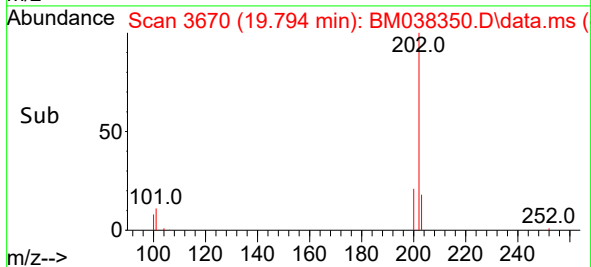
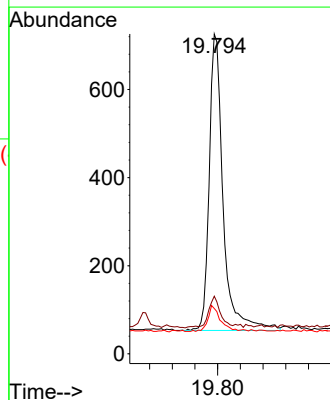
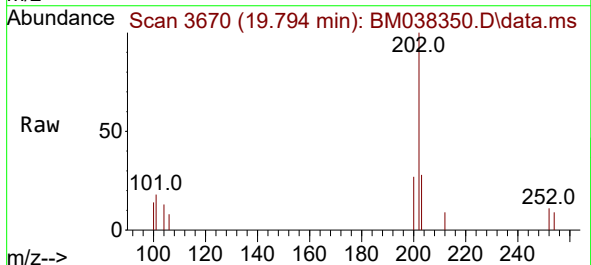
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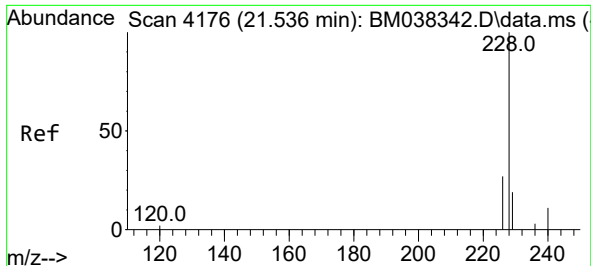
Tgt Ion:202 Resp: 1058
Ion Ratio Lower Upper
202 100
101 16.1 6.6 10.0#
100 13.9 5.4 8.2#



#20
Pyrene
Concen: 0.070 ng/ul
RT: 19.794 min Scan# 3670
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:202 Resp: 1144
Ion Ratio Lower Upper
202 100
101 18.0 7.8 11.6#
100 14.2 6.5 9.7#

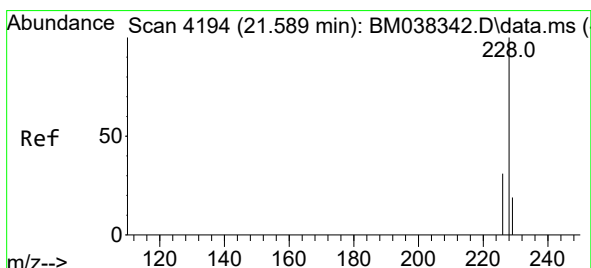
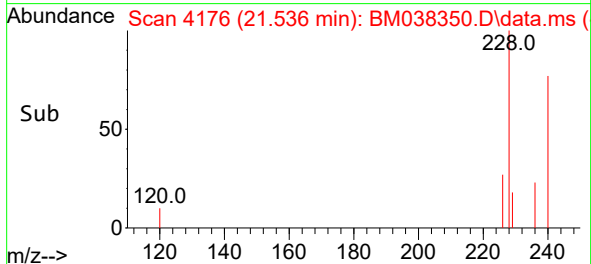
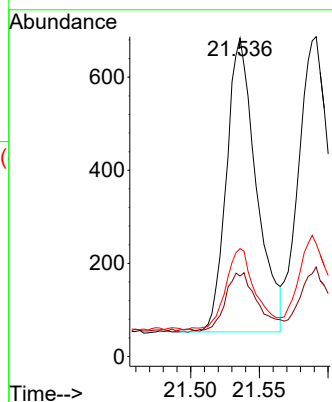
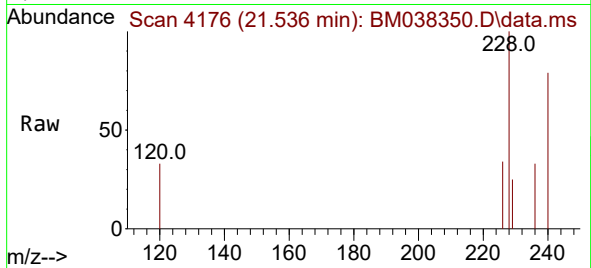




#21
Benzo(a)anthracene
Concen: 0.065 ng/ul
RT: 21.536 min Scan# 4176
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

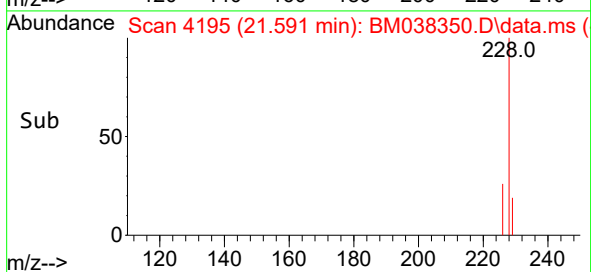
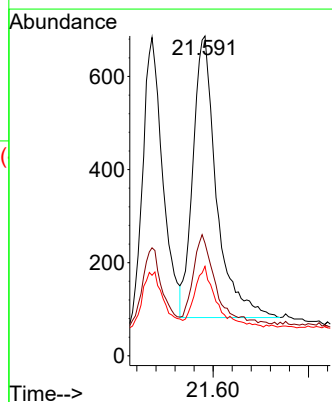
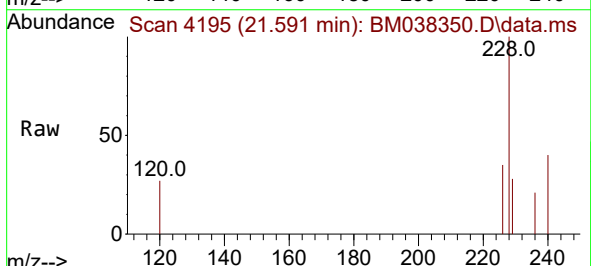
Instrument :
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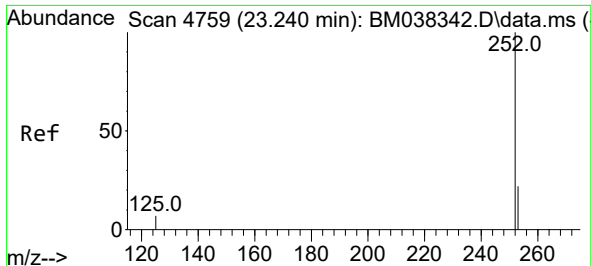
Tgt Ion:228 Resp: 955
Ion Ratio Lower Upper
228 100
229 25.3 16.4 24.6#
226 33.9 22.2 33.2#



#22
Chrysene
Concen: 0.067 ng/ul
RT: 21.591 min Scan# 4195
Delta R.T. 0.003 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:228 Resp: 1038
Ion Ratio Lower Upper
228 100
226 35.2 25.3 37.9
229 27.9 16.4 24.6#

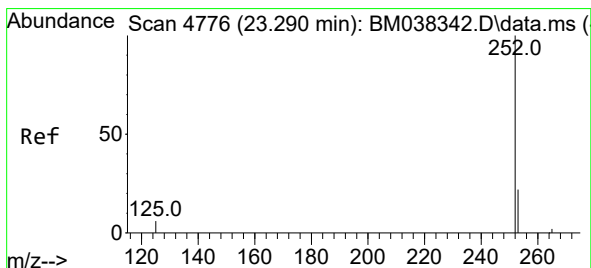
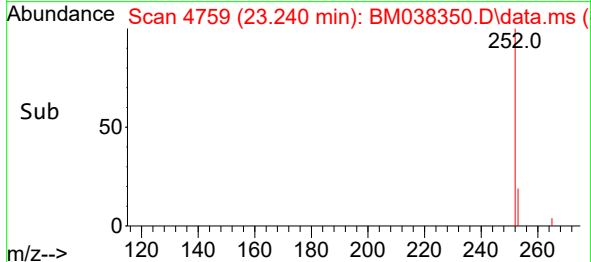
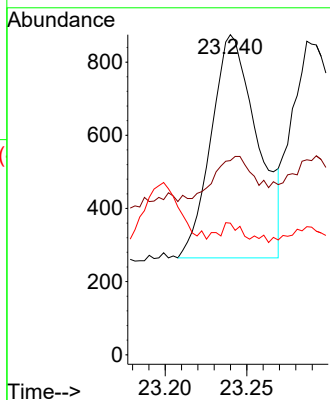
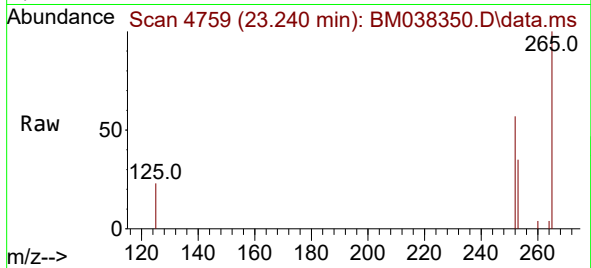




#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 23.240 min Scan# 4759
Delta R.T. -0.000 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

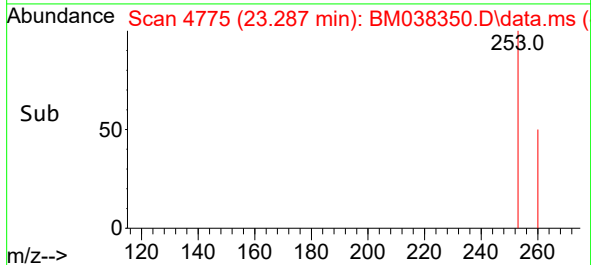
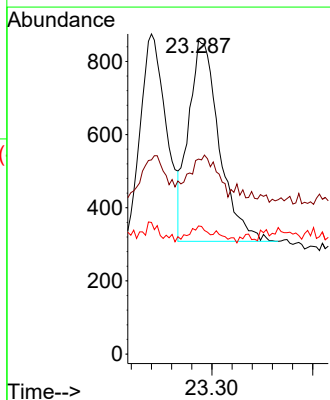
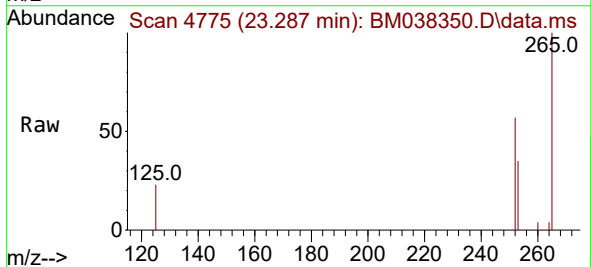
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

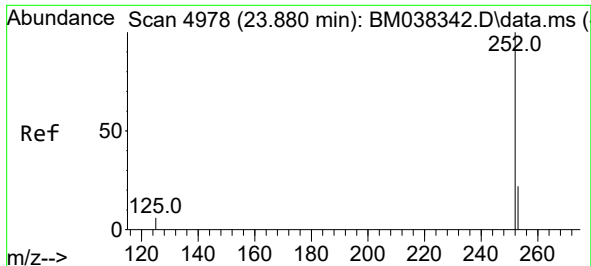
Tgt Ion:252 Resp: 1199
Ion Ratio Lower Upper
252 100
253 60.7 0.0 60.4#
125 41.1 0.0 27.6#



#25
Benzo(k)fluoranthene
Concen: 0.059 ng/ul
RT: 23.287 min Scan# 4775
Delta R.T. -0.003 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:252 Resp: 1166
Ion Ratio Lower Upper
252 100
253 62.2 24.4 36.6#
125 40.8 10.7 16.1#

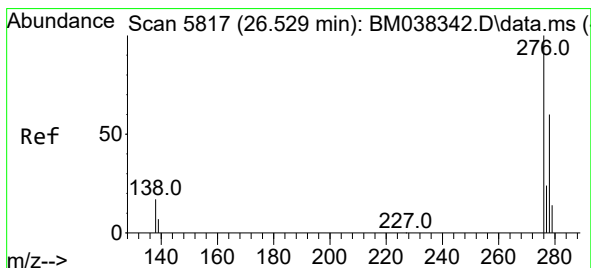
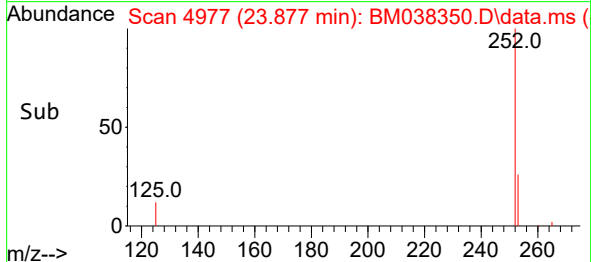
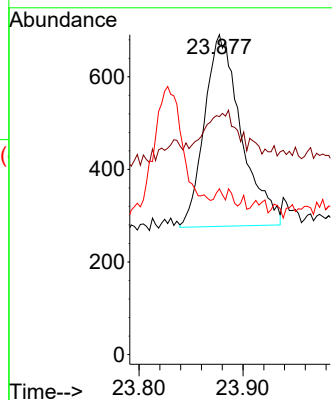
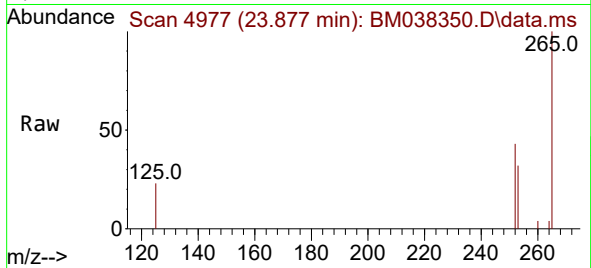




#26
Benzo(a)pyrene
Concen: 0.054 ng/ul
RT: 23.877 min Scan# 4977
Delta R.T. -0.003 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

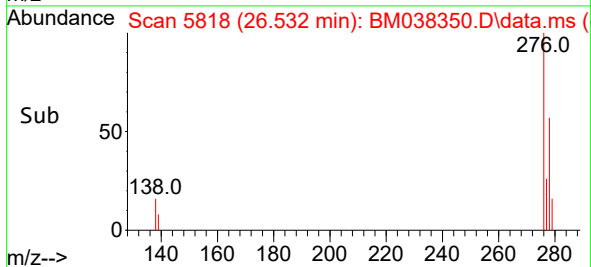
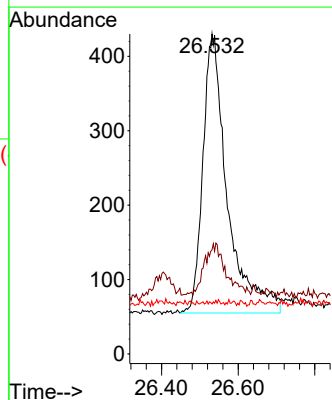
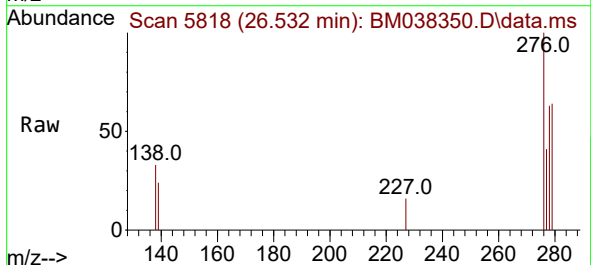
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

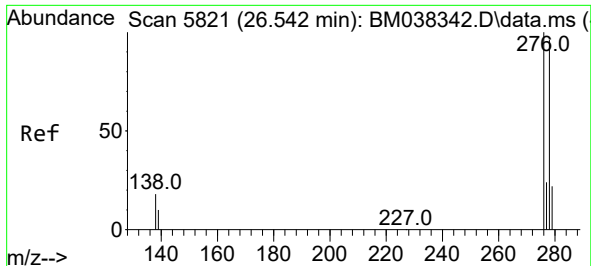
Tgt Ion:252 Resp: 1018
Ion Ratio Lower Upper
252 100
253 74.4 27.4 41.2#
125 51.8 13.8 20.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.061 ng/ul
RT: 26.532 min Scan# 5818
Delta R.T. 0.003 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:276 Resp: 1661
Ion Ratio Lower Upper
276 100
138 18.1 14.1 21.1
227 0.5 0.1 0.1#

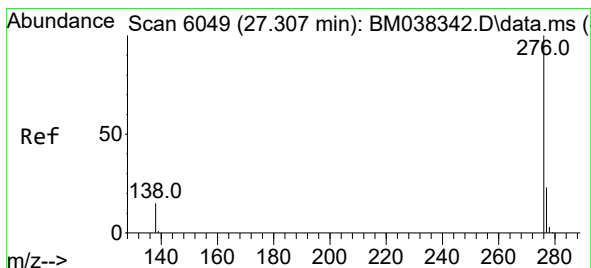
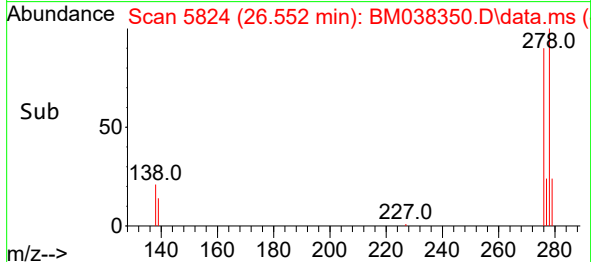
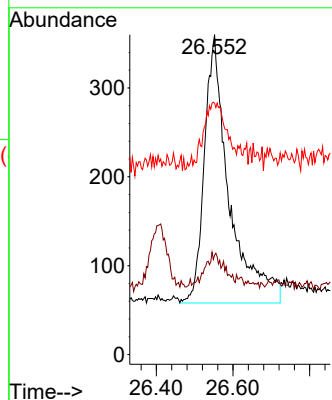
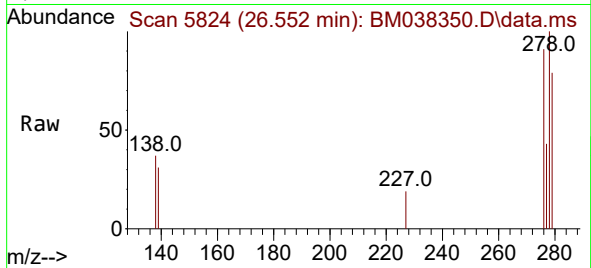




#28
Dibenzo(a,h)anthracene
Concen: 0.063 ng/ul
RT: 26.552 min Scan# 5824
Delta R.T. 0.010 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion:278 Resp: 1356
Ion Ratio Lower Upper
278 100
139 31.1 11.4 17.0#
279 78.6 26.4 39.6#



#29
Benzo(g,h,i)perylene
Concen: 0.061 ng/ul
RT: 27.310 min Scan# 6050
Delta R.T. 0.003 min
Lab File: BM038350.D
Acq: 30 Dec 2022 13:42

Tgt Ion:276 Resp: 1487
Ion Ratio Lower Upper
276 100
138 33.6 14.4 21.6#
277 38.3 20.7 31.1#

