

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030623\
 Data File : BM038866.D
 Acq On : 06 Mar 2023 11:14
 Operator : CG/JU
 Sample : 01378-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Mar 07 02:26:50 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 22:01:14 2023
 Response via : Initial Calibration

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

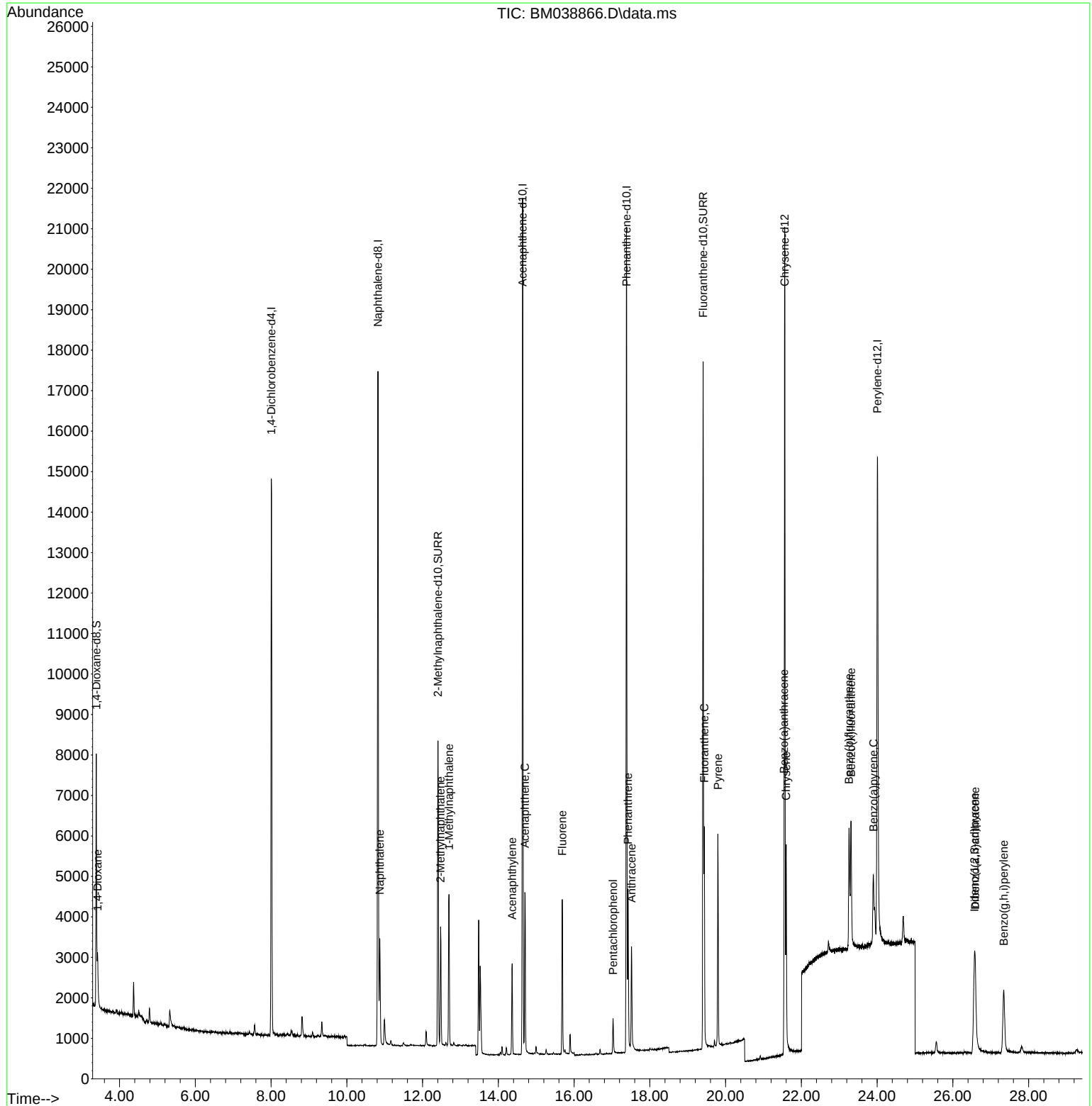
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	6917	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	21980	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.642	164	11420	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.383	188	23812	0.400	ng/ul	0.00
17) Chrysene-d12	21.562	240	18317	0.400	ng/ul	0.00
23) Perylene-d12	24.008	264	17610	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	4278	0.547	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	9611	0.361	ng/ul	0.00
18) Fluoranthene-d10	19.407	212	18231	0.418	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	675	0.085	ng/ul#	82
5) Naphthalene	10.872	128	3461	0.066	ng/ul	95
7) 2-Methylnaphthalene	12.477	142	2081	0.065	ng/ul	98
8) 1-Methylnaphthalene	12.697	142	2549	0.076	ng/ul	100
10) Acenaphthylene	14.364	152	2525	0.061	ng/ul	95
11) Acenaphthene	14.702	153	2189	0.064	ng/ul	98
12) Fluorene	15.687	166	2428	0.063	ng/ul	98
14) Pentachlorophenol	17.028	266	645	0.113	ng/ul	97
15) Phenanthrene	17.425	178	4001	0.064	ng/ul	95
16) Anthracene	17.518	178	3082	0.059	ng/ul#	94
19) Fluoranthene	19.435	202	4373	0.070	ng/ul#	94
20) Pyrene	19.798	202	4476	0.070	ng/ul	98
21) Benzo(a)anthracene	21.544	228	3470	0.067	ng/ul	97
22) Chrysene	21.600	228	4252	0.068	ng/ul	97
24) Benzo(b)fluoranthene	23.260	252	4092	0.059	ng/ul#	76
25) Benzo(k)fluoranthene	23.312	252	4365	0.063	ng/ul#	78
26) Benzo(a)pyrene	23.903	252	3255	0.059	ng/ul#	60
27) Indeno(1,2,3-cd)pyrene	26.568	276	4166	0.060	ng/ul	90
28) Dibenzo(a,h)anthracene	26.588	278	3358	0.064	ng/ul#	60
29) Benzo(g,h,i)perylene	27.343	276	3717	0.058	ng/ul#	89

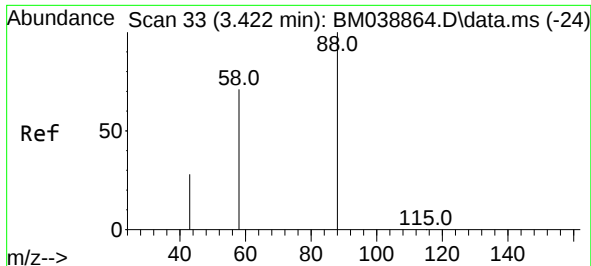
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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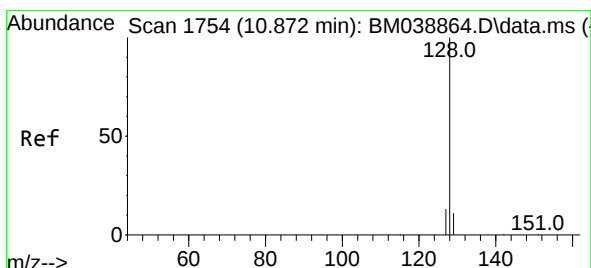
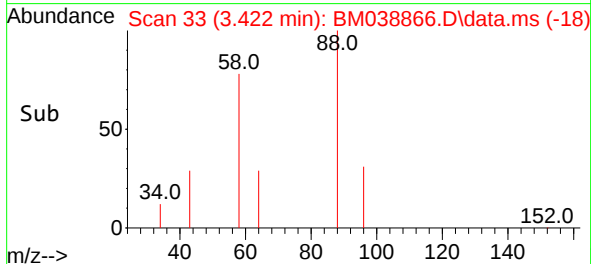
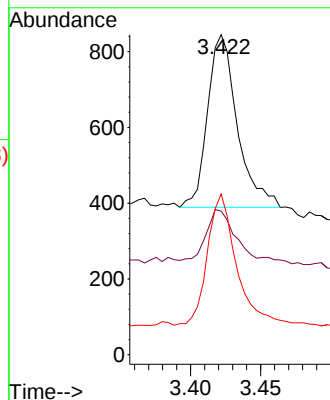
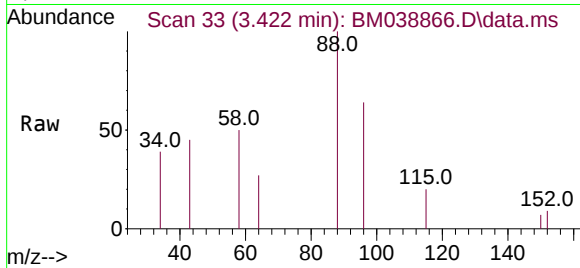




#2
1,4-Dioxane
Concen: 0.085 ng/ul
RT: 3.422 min Scan# 33
Delta R.T. 0.002 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

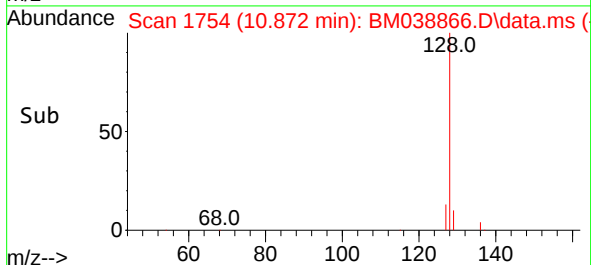
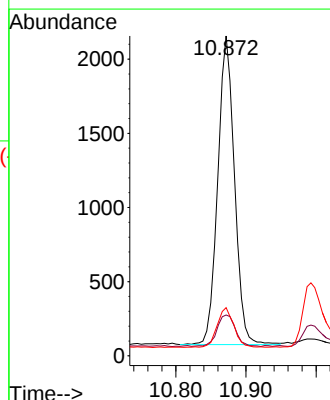
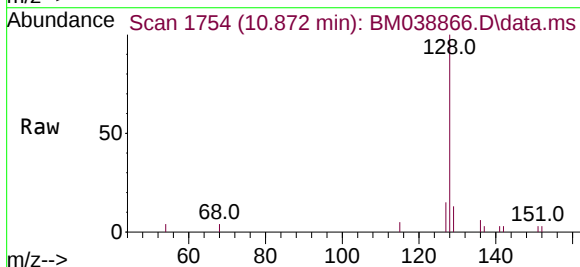
Instrument :
BNA_M
ClientSampleId :
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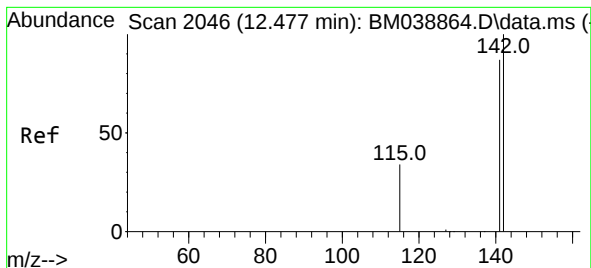
Tgt Ion: 88 Resp: 675
Ion Ratio Lower Upper
88 100
43 44.9 27.2 40.8#
58 50.2 50.8 76.2#



#5
Naphthalene
Concen: 0.066 ng/ul
RT: 10.872 min Scan# 1754
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion: 128 Resp: 3461
Ion Ratio Lower Upper
128 100
129 12.7 9.1 13.7
127 15.1 10.3 15.5

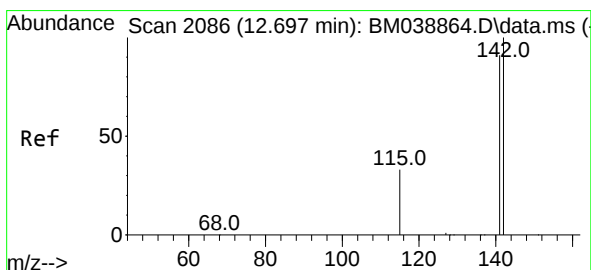
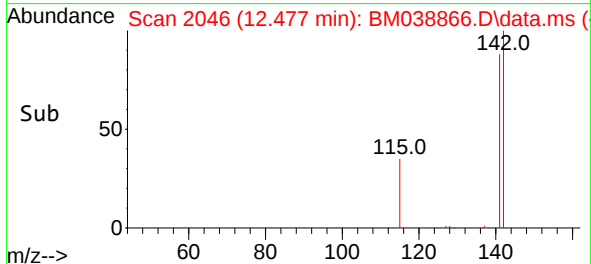
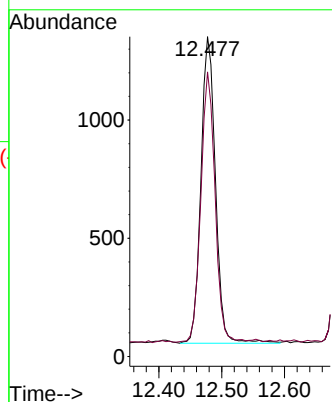
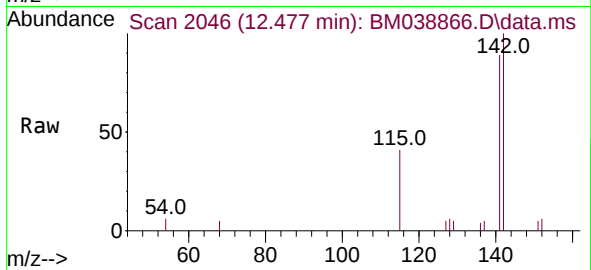




#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.477 min Scan# 2046
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

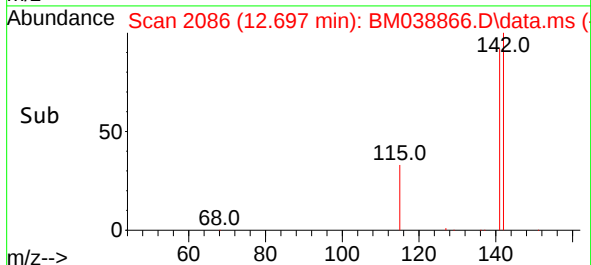
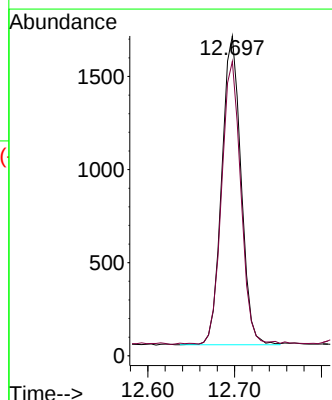
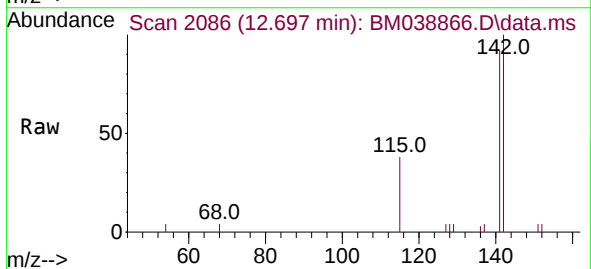
Instrument :
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ClientSampleId :
MDL-WATER-QT1-2023-02

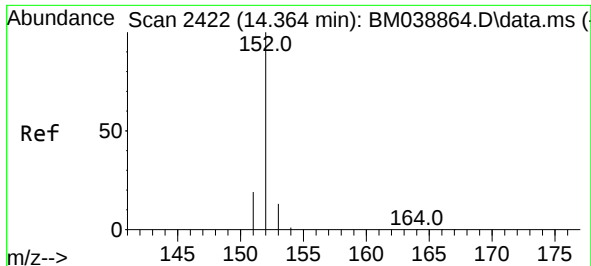
Tgt Ion:142 Resp: 2081
Ion Ratio Lower Upper
142 100
141 85.9 69.9 104.9



#8
1-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:142 Resp: 2549
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3

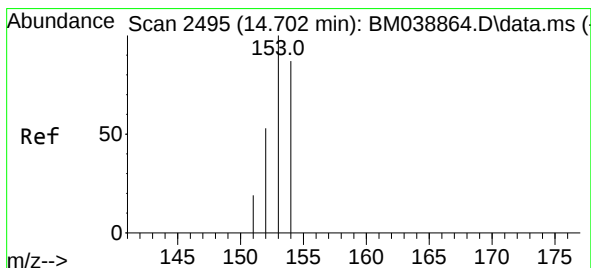
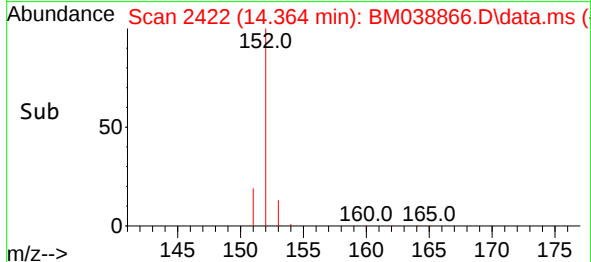
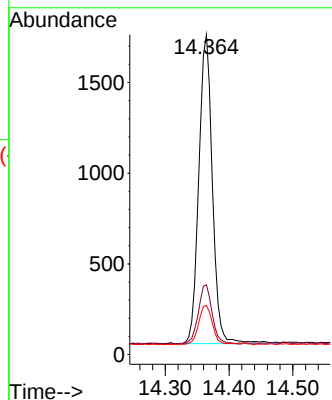
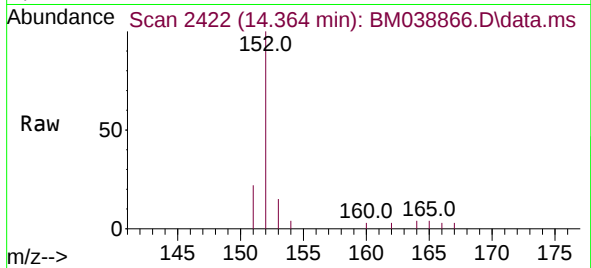




#10
Acenaphthylene
Concen: 0.061 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. 0.002 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

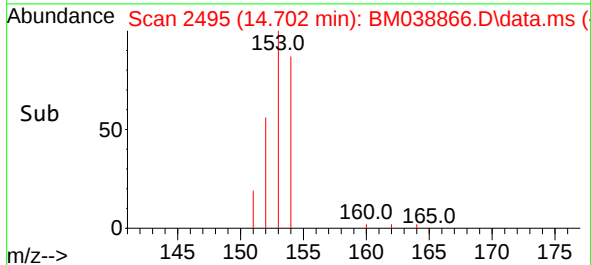
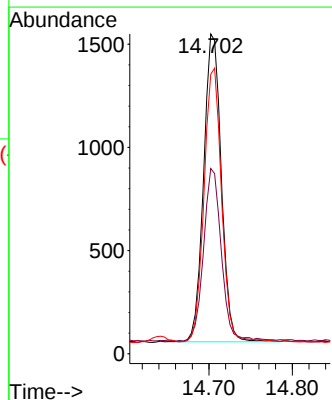
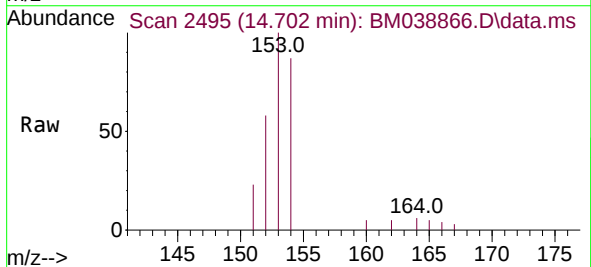
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-02

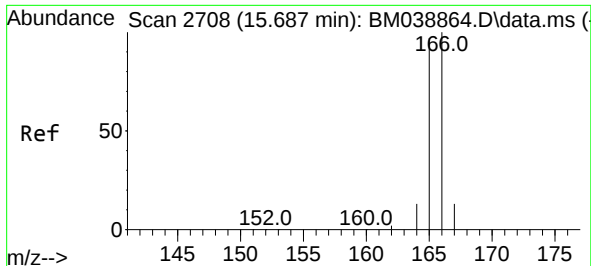
Tgt Ion:	152	Resp:	2525
Ion Ratio	Lower	Upper	
152	100		
151	21.8	15.6	23.4
153	15.3	10.6	15.8



#11
Acenaphthene
Concen: 0.064 ng/ul
RT: 14.702 min Scan# 2495
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:	153	Resp:	2189
Ion Ratio	Lower	Upper	
153	100		
152	57.9	44.2	66.2
154	87.4	70.6	105.8

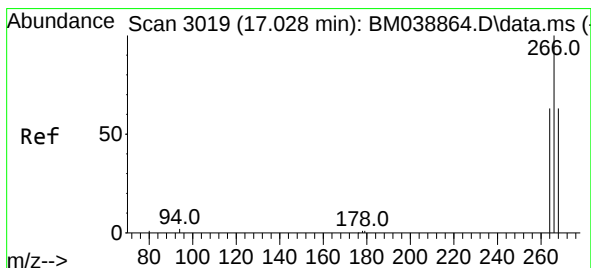
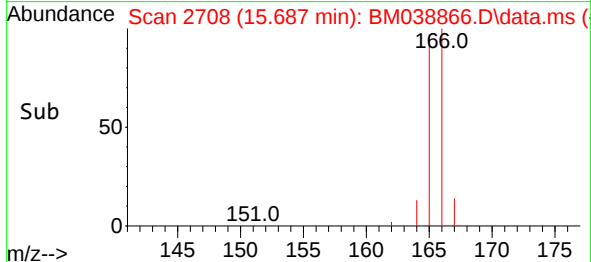
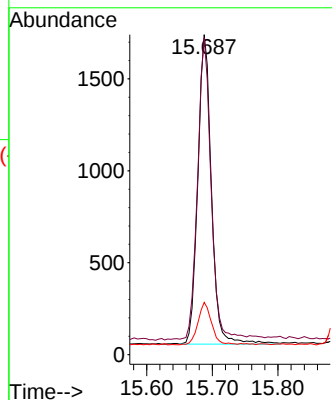
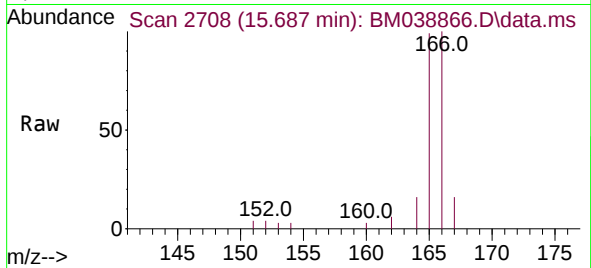




#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.687 min Scan# 2708
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

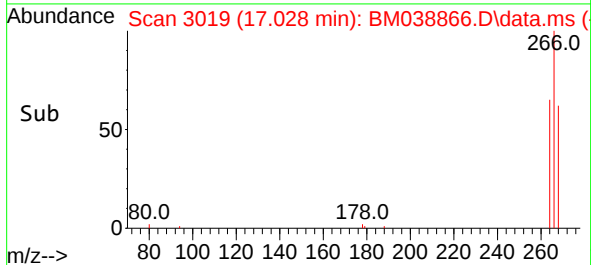
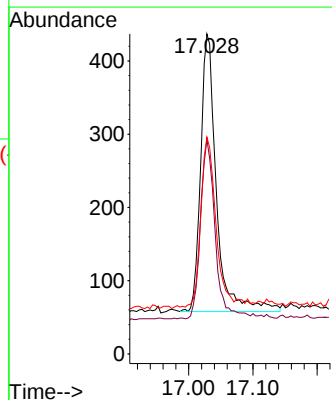
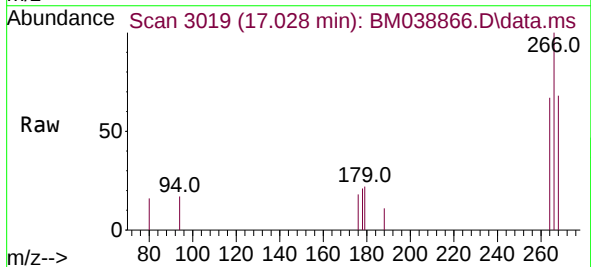
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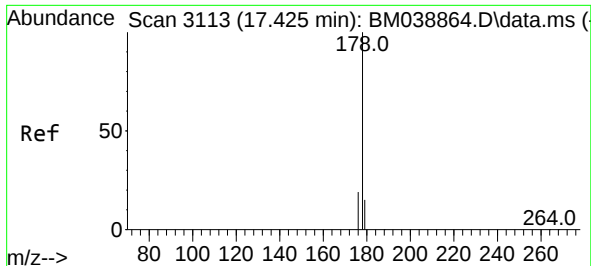
Tgt Ion:166 Resp: 2428
Ion Ratio Lower Upper
166 100
165 99.0 77.8 116.6
167 16.3 11.4 17.2



#14
Pentachlorophenol
Concen: 0.113 ng/ul
RT: 17.028 min Scan# 3019
Delta R.T. -0.002 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:266 Resp: 645
Ion Ratio Lower Upper
266 100
264 61.2 50.2 75.2
268 59.8 50.2 75.4

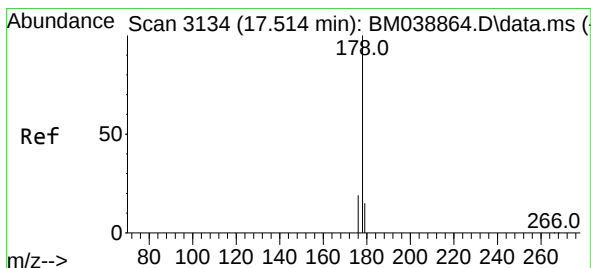
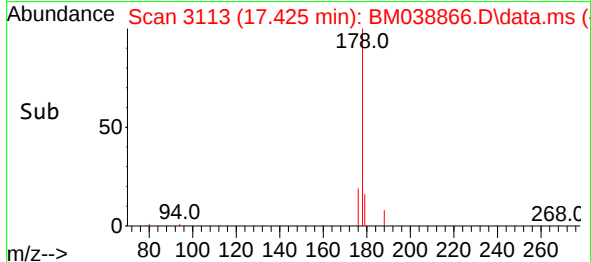
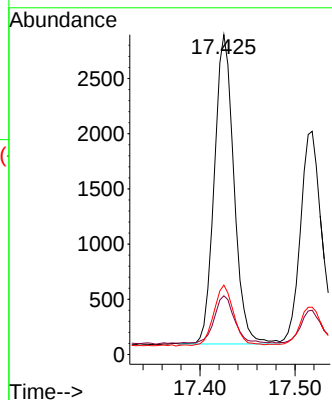
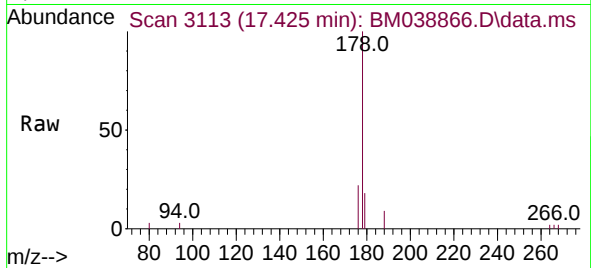




#15
Phenanthrene
Concen: 0.064 ng/ul
RT: 17.425 min Scan# 3113
Delta R.T. -0.002 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

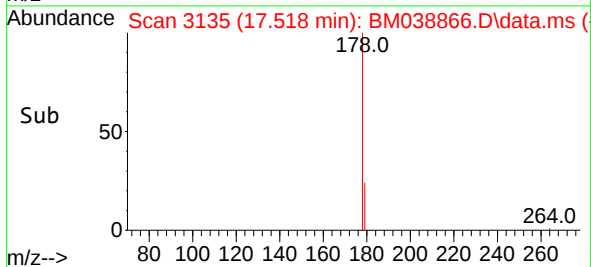
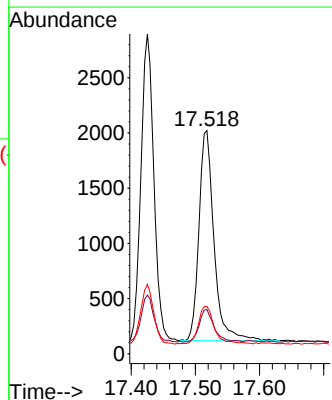
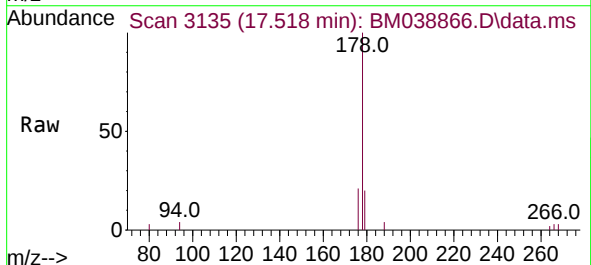
Instrument :
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ClientSampleId :
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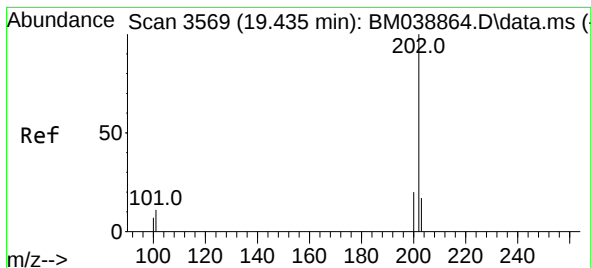
Tgt Ion:	178	Resp:	4001
Ion Ratio	Lower	Upper	
178	100		
179	18.4	12.7	19.1
176	21.7	15.9	23.9



#16
Anthracene
Concen: 0.059 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. 0.002 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:	178	Resp:	3082
Ion Ratio	Lower	Upper	
178	100		
179	19.9	13.0	19.6#
176	21.2	15.4	23.2





#19

Fluoranthene

Concen: 0.070 ng/ul

RT: 19.435 min Scan# 3569

Delta R.T. -0.003 min

Lab File: BM038866.D

Acq: 06 Mar 2023 11:14

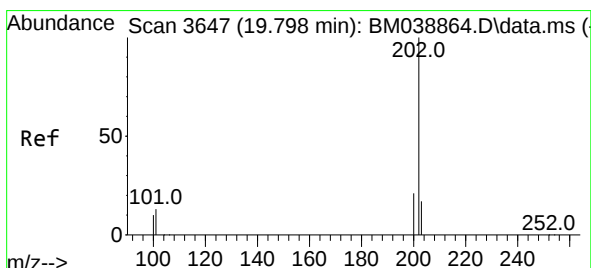
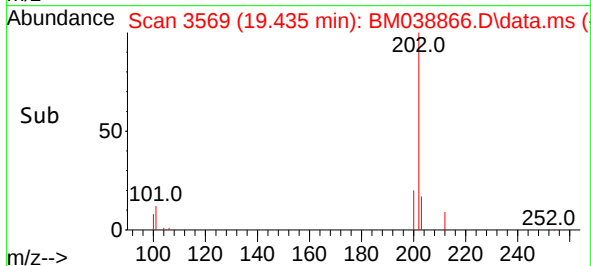
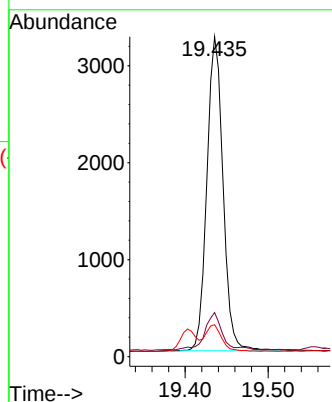
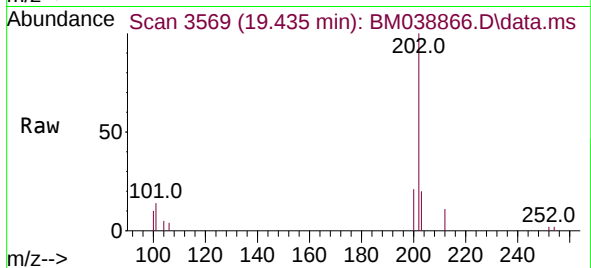
Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion:	202	Resp:	4373
Ion Ratio	Lower	Upper	
202	100		
101	13.8	8.9	13.3#
100	10.0	6.8	10.2



#20

Pyrene

Concen: 0.070 ng/ul

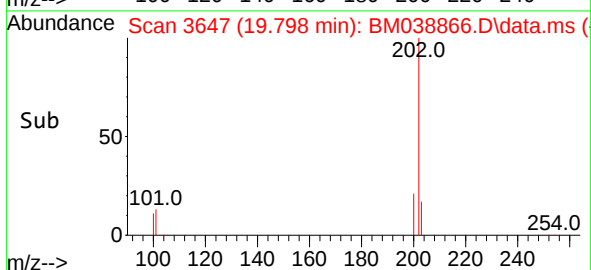
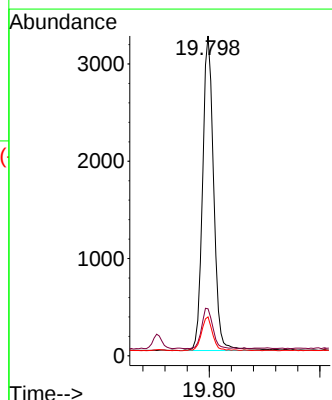
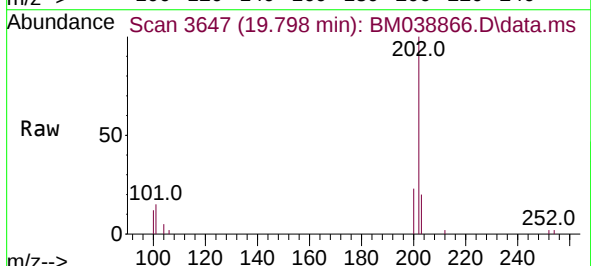
RT: 19.798 min Scan# 3647

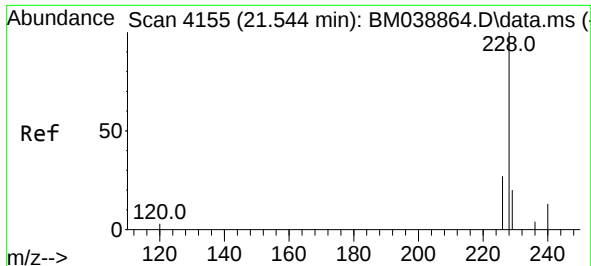
Delta R.T. 0.002 min

Lab File: BM038866.D

Acq: 06 Mar 2023 11:14

Tgt Ion:	202	Resp:	4476
Ion Ratio	Lower	Upper	
202	100		
101	14.7	11.2	16.8
100	12.2	9.0	13.6

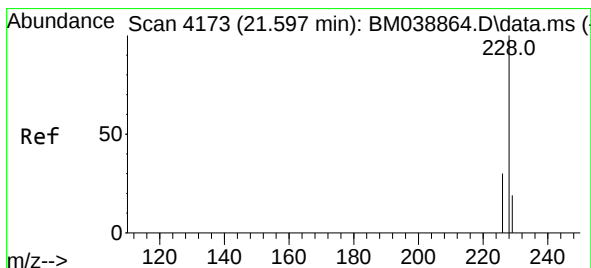
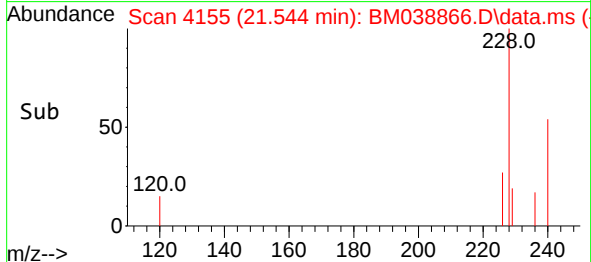
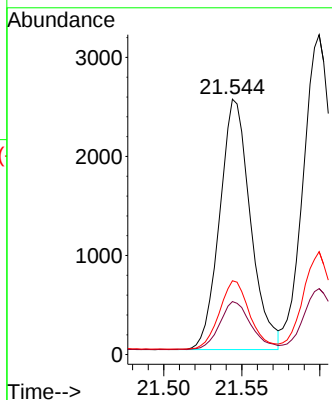
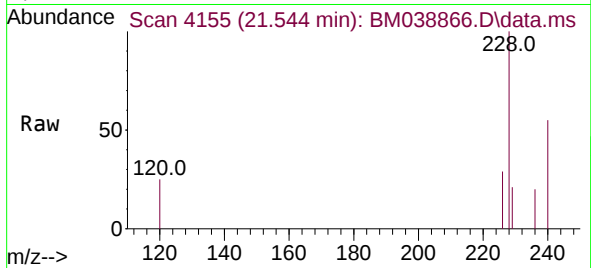




#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

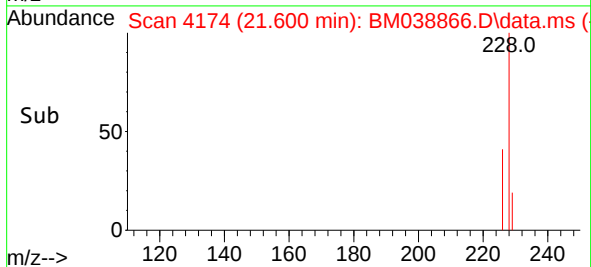
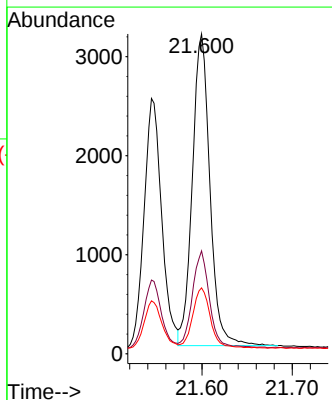
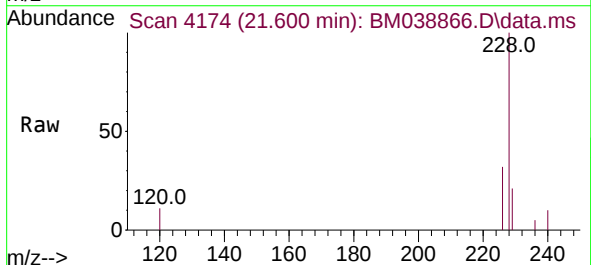
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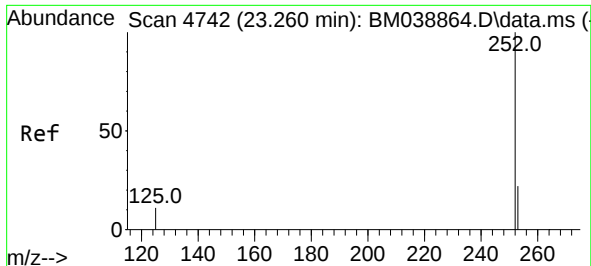
Tgt Ion:228 Resp: 3470
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 28.9 22.0 33.0



#22
Chrysene
Concen: 0.068 ng/ul
RT: 21.600 min Scan# 4174
Delta R.T. 0.000 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:228 Resp: 4252
Ion Ratio Lower Upper
228 100
226 32.2 24.0 36.0
229 20.6 15.7 23.5

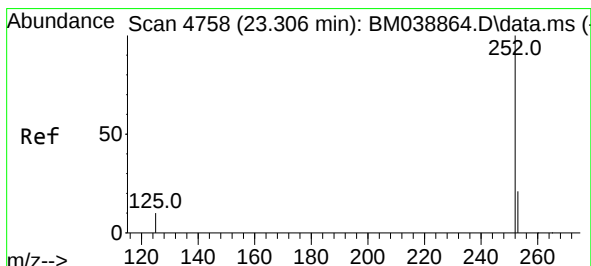
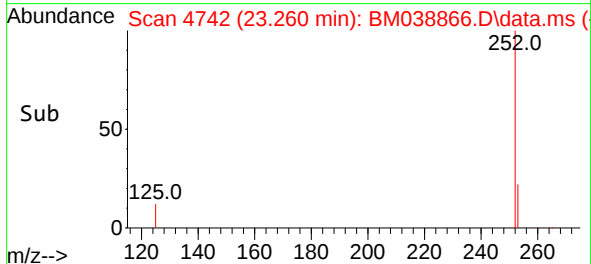
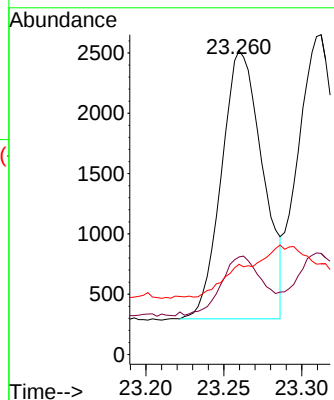
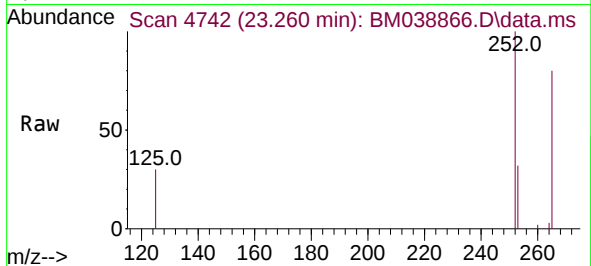




#24
Benzo(b)fluoranthene
Concen: 0.059 ng/ul
RT: 23.260 min Scan# 4742
Delta R.T. -0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

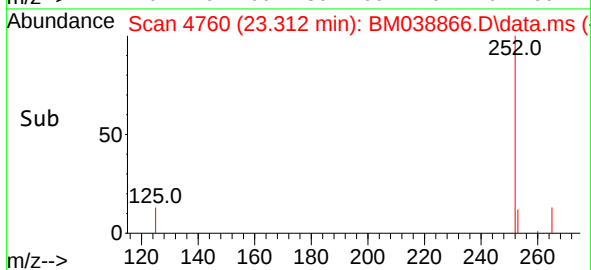
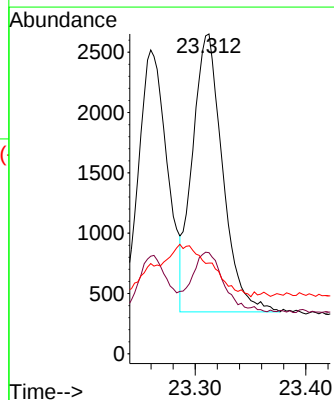
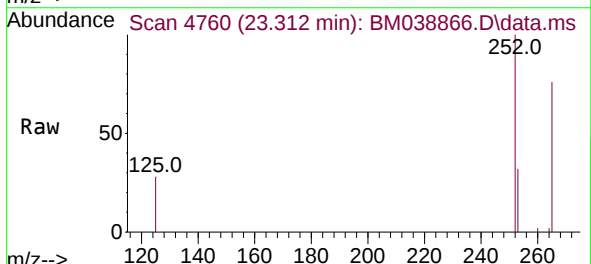
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-02

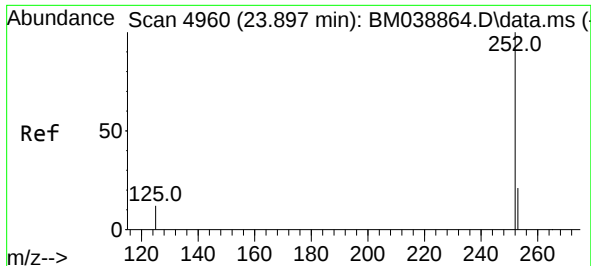
Tgt Ion:252 Resp: 4092
Ion Ratio Lower Upper
252 100
253 32.1 0.0 47.6
125 29.7 0.0 29.2#



#25
Benzo(k)fluoranthene
Concen: 0.063 ng/ul
RT: 23.312 min Scan# 4760
Delta R.T. 0.000 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:252 Resp: 4365
Ion Ratio Lower Upper
252 100
253 31.6 19.2 28.8#
125 28.4 11.8 17.6#

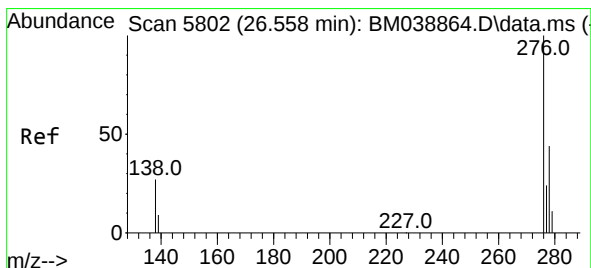
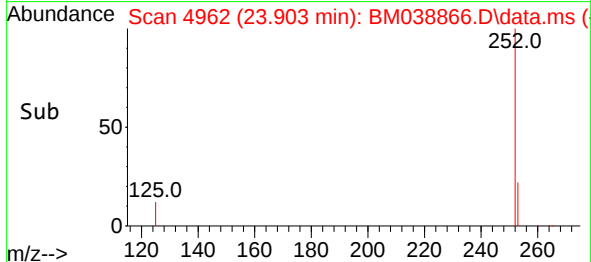
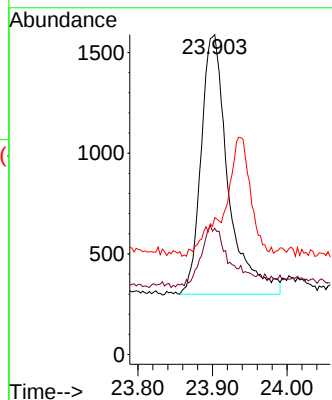
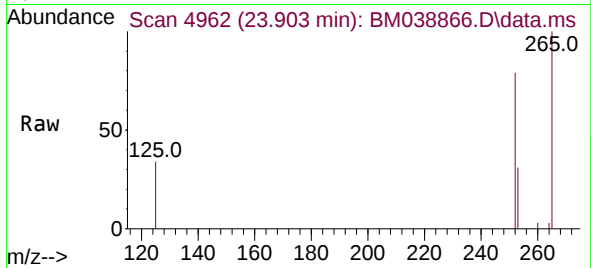




#26
Benzo(a)pyrene
Concen: 0.059 ng/ul
RT: 23.903 min Scan# 4962
Delta R.T. 0.003 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

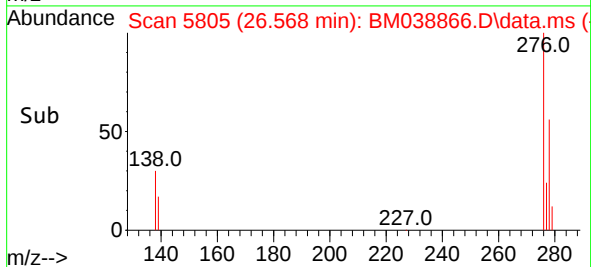
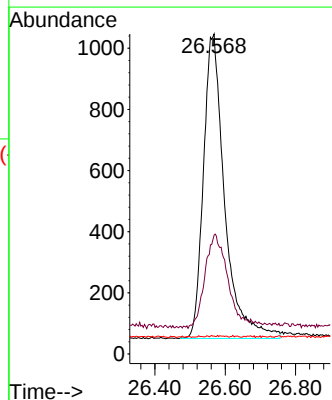
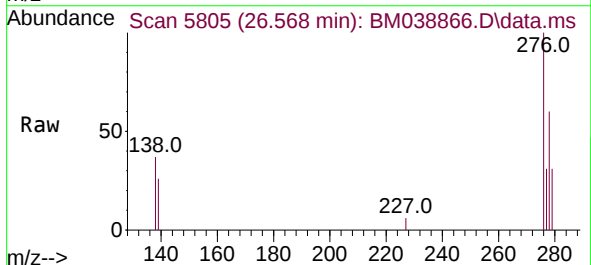
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-02

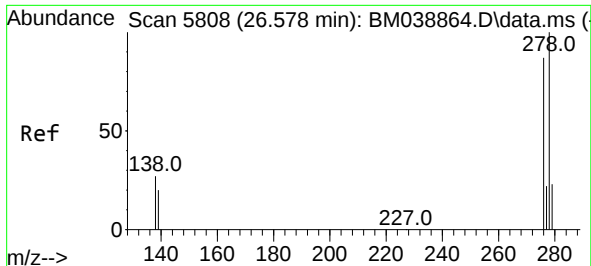
Tgt Ion:252 Resp: 3255
Ion Ratio Lower Upper
252 100
253 39.5 20.3 30.5#
125 42.8 14.0 21.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/ul
RT: 26.568 min Scan# 5805
Delta R.T. 0.000 min
Lab File: BM038866.D
Acq: 06 Mar 2023 11:14

Tgt Ion:276 Resp: 4166
Ion Ratio Lower Upper
276 100
138 32.9 22.2 33.4
227 0.2 0.2 0.2

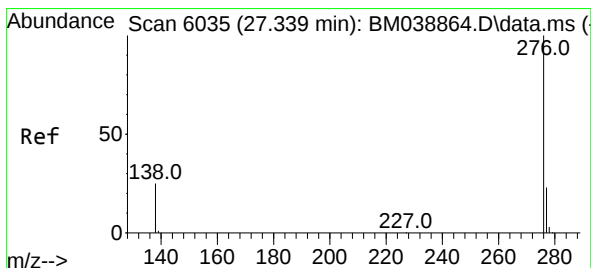
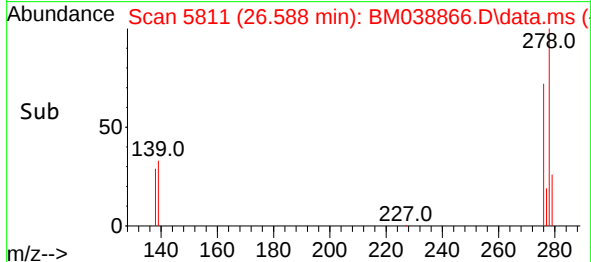
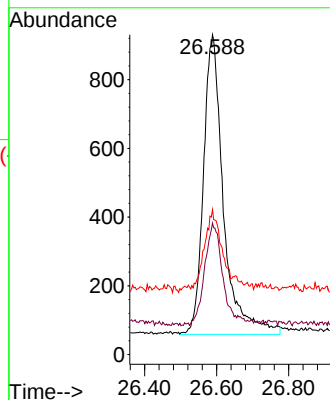
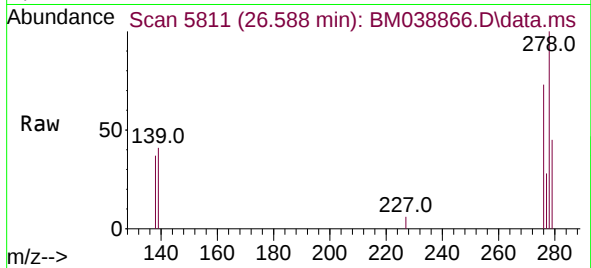




#28
 Dibenzo(a,h)anthracene
 Concen: 0.064 ng/ul
 RT: 26.588 min Scan# 5811
 Delta R.T. 0.000 min
 Lab File: BM038866.D
 Acq: 06 Mar 2023 11:14

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Tgt Ion:278 Resp: 3358
 Ion Ratio Lower Upper
 278 100
 139 41.1 16.0 24.0#
 279 45.3 21.8 32.6#



#29
 Benzo(g,h,i)perylene
 Concen: 0.058 ng/ul
 RT: 27.343 min Scan# 6036
 Delta R.T. 0.000 min
 Lab File: BM038866.D
 Acq: 06 Mar 2023 11:14

Tgt Ion:276 Resp: 3717
 Ion Ratio Lower Upper
 276 100
 138 30.8 20.2 30.4#
 277 30.0 19.8 29.8#

