

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032625\
 Data File : BM049762.D
 Acq On : 26 Mar 2025 10:54
 Operator : RC/JU
 Sample : Q1546-02
 Misc : MDL-WATER-QT1-2025
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Quant Time: Mar 26 12:16:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 04 13:03:01 2025
 Response via : Initial Calibration

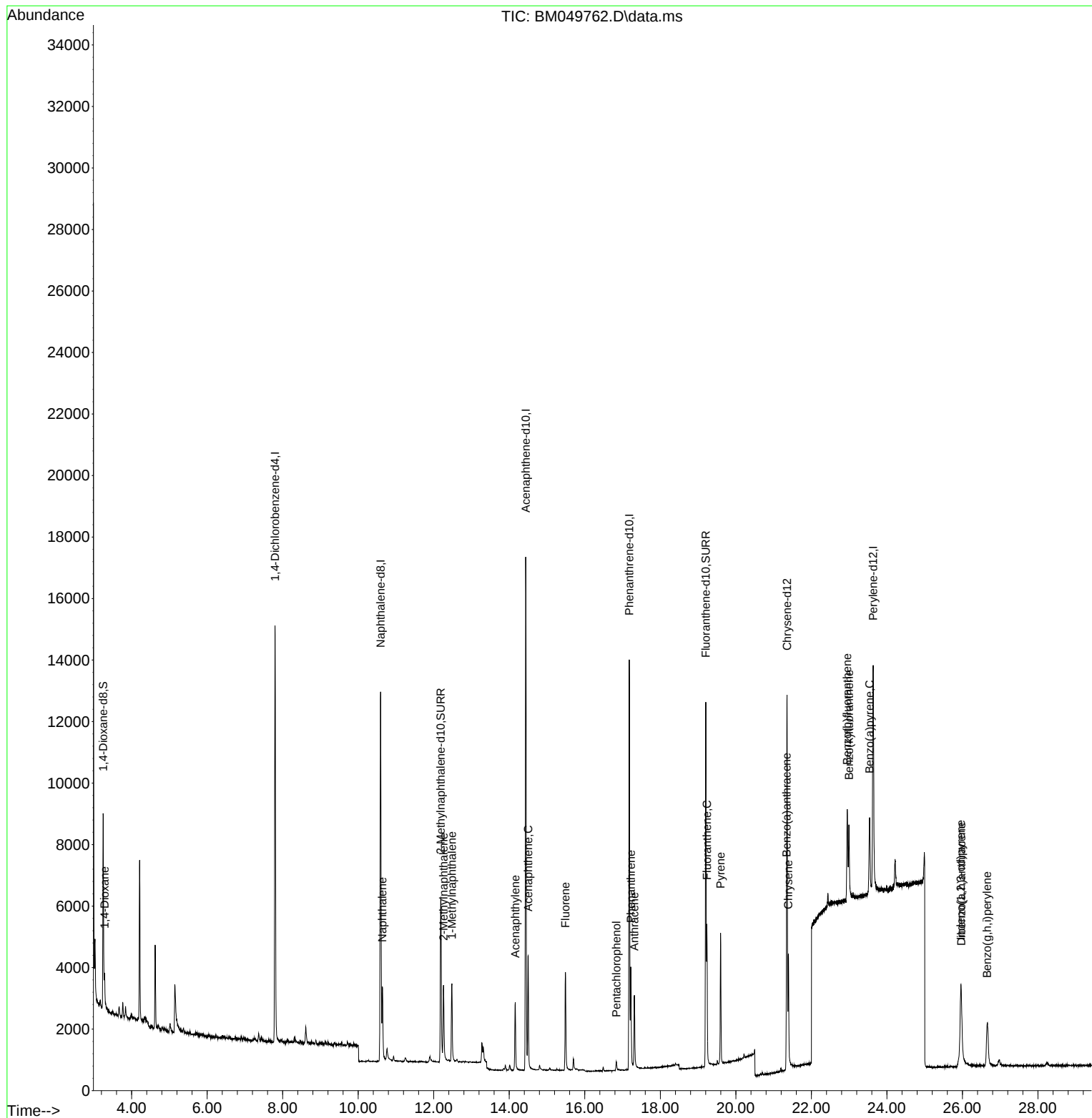
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	7171	0.400	ng/ul	0.00
4) Naphthalene-d8	10.594	136	17644	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.436	164	9540	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.178	188	17366	0.400	ng/ul	0.00
17) Chrysene-d12	21.356	240	11460	0.400	ng/ul	0.00
23) Perylene-d12	23.636	264	11158	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.248	96	4039	0.481	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.183	152	8410	0.320	ng/ul	-0.01
18) Fluoranthene-d10	19.205	212	14369	0.387	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.282	88	625m	0.070	ng/ul	
5) Naphthalene	10.638	128	3181	0.068	ng/ul#	93
7) 2-Methylnaphthalene	12.260	142	2037	0.068	ng/ul	99
8) 1-Methylnaphthalene	12.480	142	2008	0.065	ng/ul	99
10) Acenaphthylene	14.158	152	2794	0.065	ng/ul	94
11) Acenaphthene	14.501	153	2174	0.070	ng/ul	99
12) Fluorene	15.486	166	2295	0.067	ng/ul#	96
14) Pentachlorophenol	16.836	266	252	0.069	ng/ul	94
15) Phenanthrene	17.220	178	3518	0.067	ng/ul	95
16) Anthracene	17.313	178	2853	0.060	ng/ul#	93
19) Fluoranthene	19.233	202	3712	0.078	ng/ul#	94
20) Pyrene	19.596	202	3813	0.076	ng/ul#	93
21) Benzo(a)anthracene	21.342	228	2787	0.066	ng/ul	97
22) Chrysene	21.391	228	3371	0.075	ng/ul	98
24) Benzo(b)fluoranthene	22.949	252	3258m	0.081	ng/ul	
25) Benzo(k)fluoranthene	22.996	252	2972m	0.071	ng/ul	
26) Benzo(a)pyrene	23.540	252	3078	0.082	ng/ul#	24
27) Indeno(1,2,3-cd)pyrene	25.957	276	4361	0.081	ng/ul	94
28) Dibenzo(a,h)anthracene	25.970	278	3129	0.076	ng/ul#	66
29) Benzo(g,h,i)perylene	26.658	276	3527	0.081	ng/ul#	84

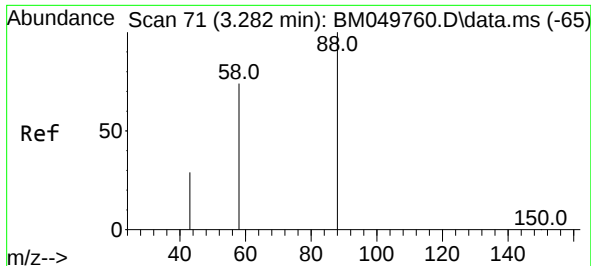
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032625\
Data File : BM049762.D
Acq On : 26 Mar 2025 10:54
Operator : RC/JU
Sample : Q1546-02
Misc : MDL-WATER-QT1-2025
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

Quant Time: Mar 26 12:16:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 04 13:03:01 2025
Response via : Initial Calibration

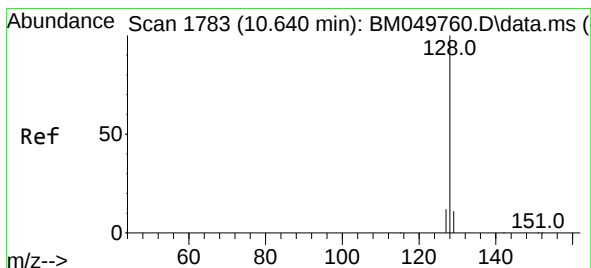
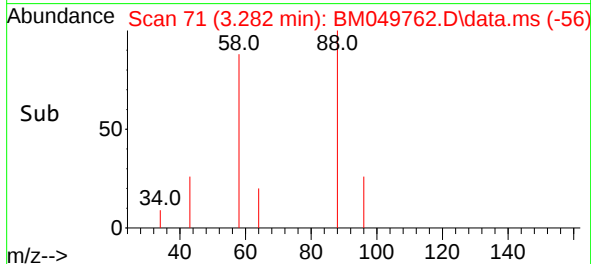
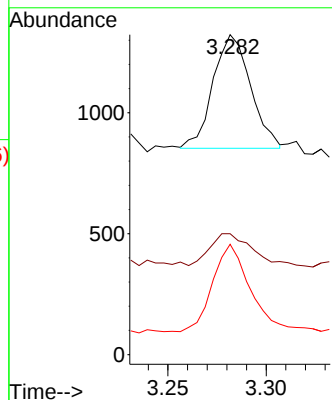
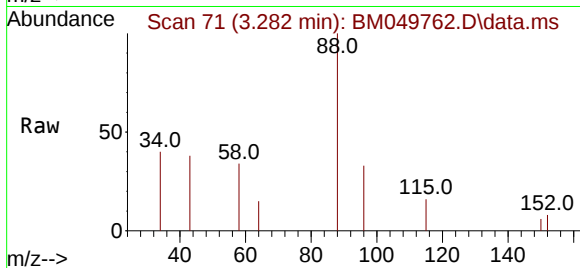




#2
1,4-Dioxane
Concen: 0.070 ng/ul m
RT: 3.282 min Scan# 71
Delta R.T. -0.009 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

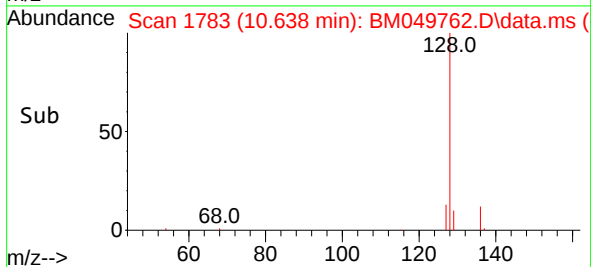
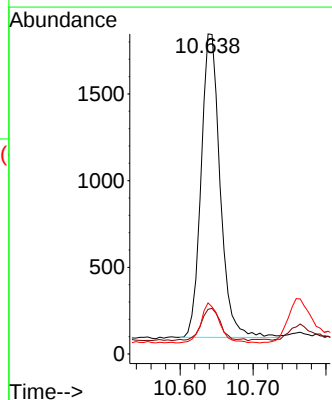
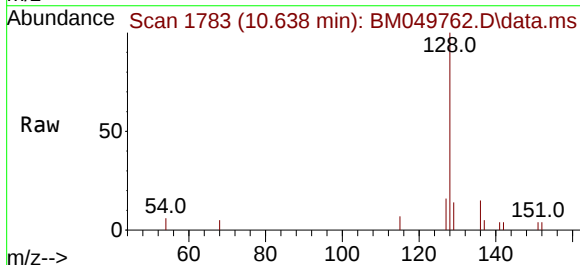
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

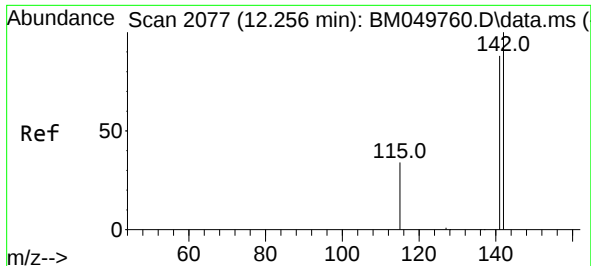
Tgt Ion: 88 Resp: 625
Ion Ratio Lower Upper
88 100
43 37.8 32.6 49.0
58 34.5 45.9 68.9#



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.638 min Scan# 1783
Delta R.T. -0.011 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion: 128 Resp: 3181
Ion Ratio Lower Upper
128 100
129 14.0 9.2 13.8#
127 16.0 10.2 15.4#

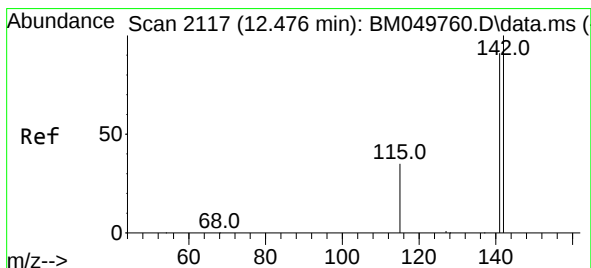
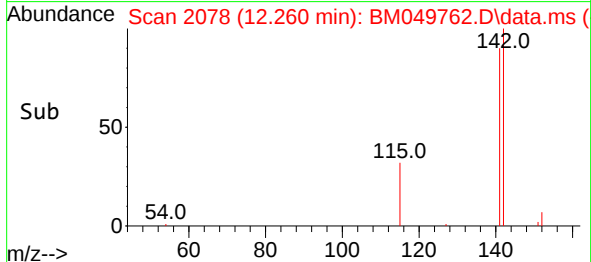
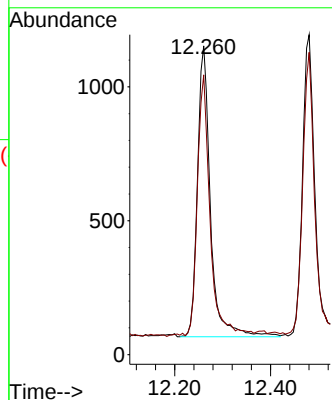
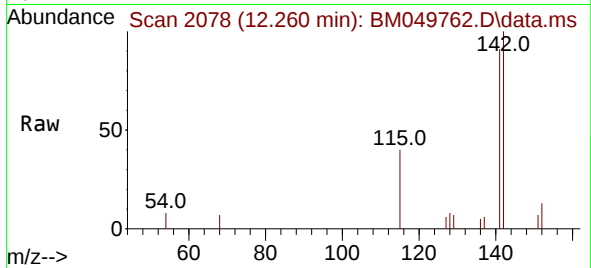




#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.260 min Scan# 2077
Delta R.T. -0.006 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

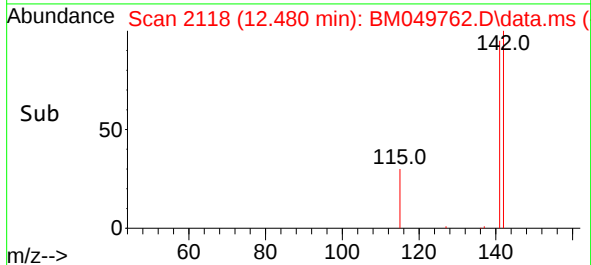
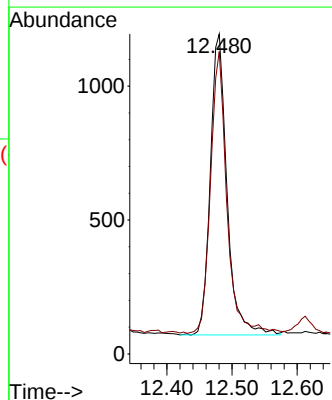
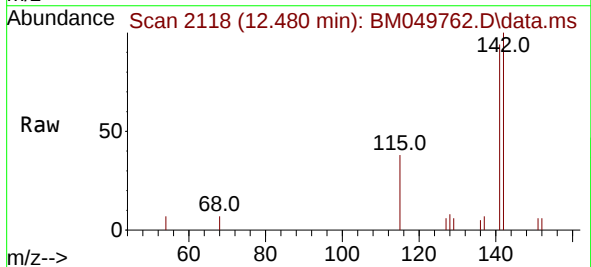
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

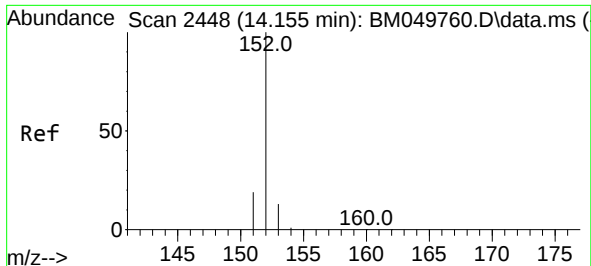
Tgt Ion:142 Resp: 2037
Ion Ratio Lower Upper
142 100
141 86.3 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.480 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:142 Resp: 2008
Ion Ratio Lower Upper
142 100
141 91.2 72.4 108.6

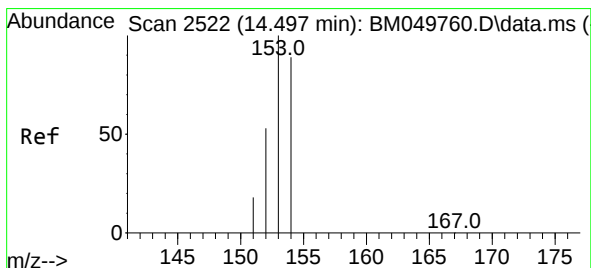
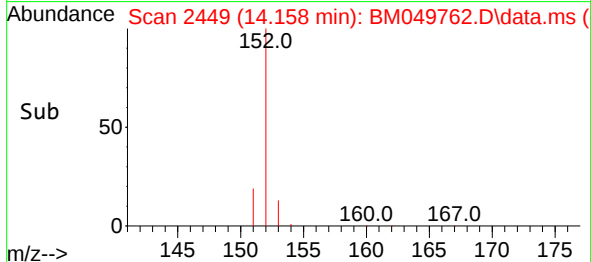
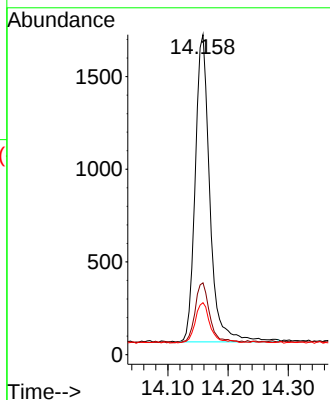
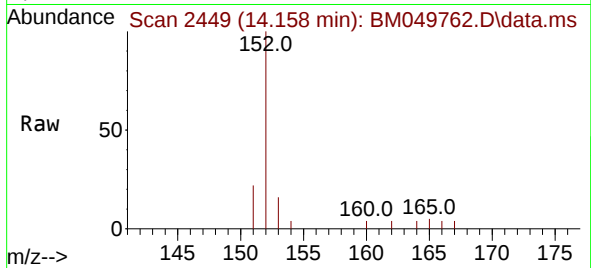




#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.158 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

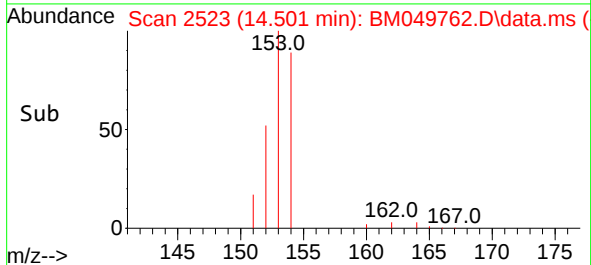
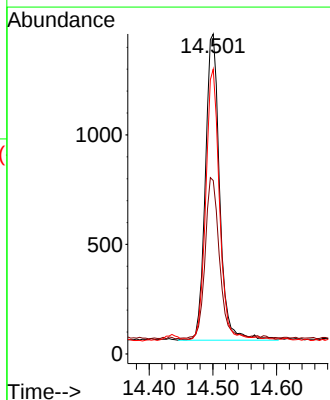
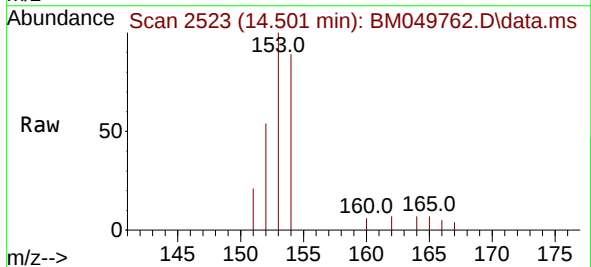
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

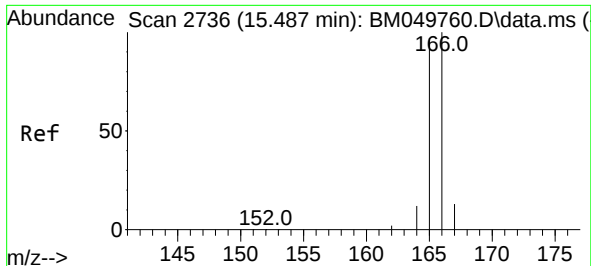
Tgt Ion:	152	Resp:	2794
Ion Ratio	Lower	Upper	
152	100		
151	22.4	15.8	23.6
153	16.2	11.0	16.4



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.501 min Scan# 2523
Delta R.T. -0.005 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:	153	Resp:	2174
Ion Ratio	Lower	Upper	
153	100		
152	54.2	42.0	63.0
154	89.0	71.6	107.4

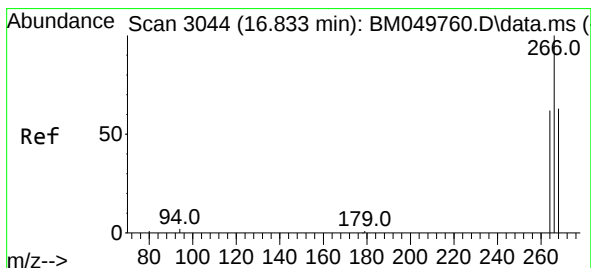
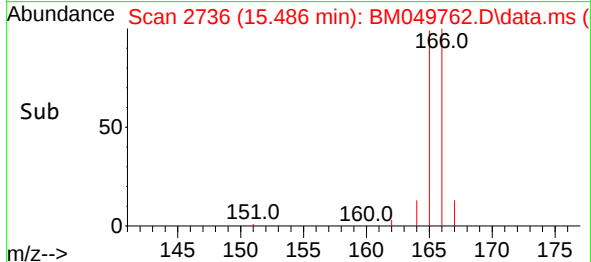
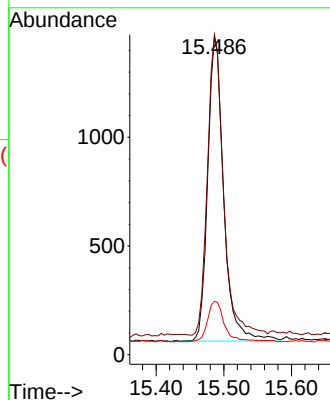
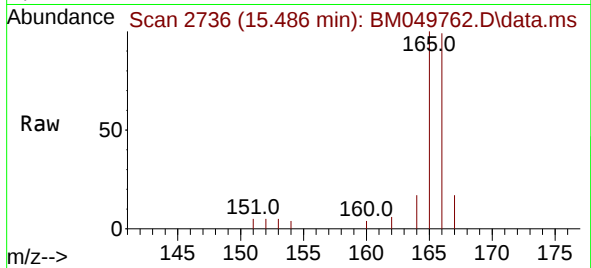




#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.486 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

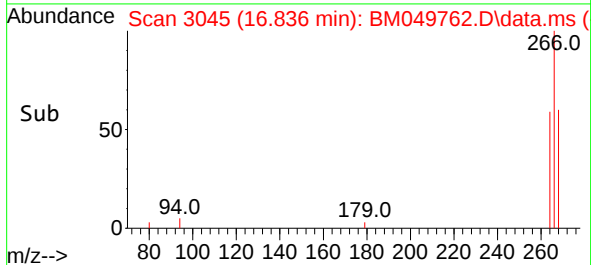
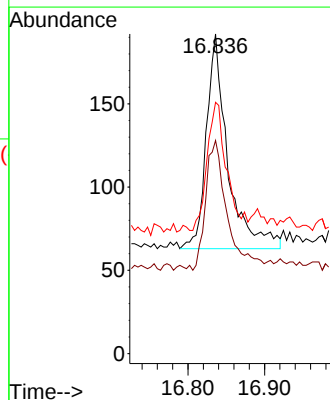
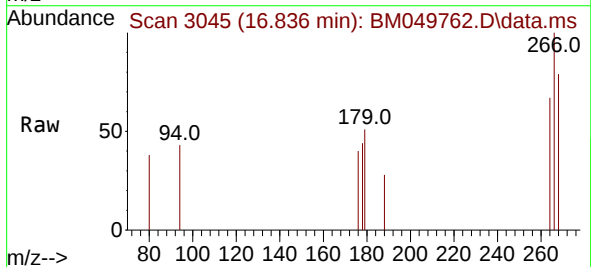
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

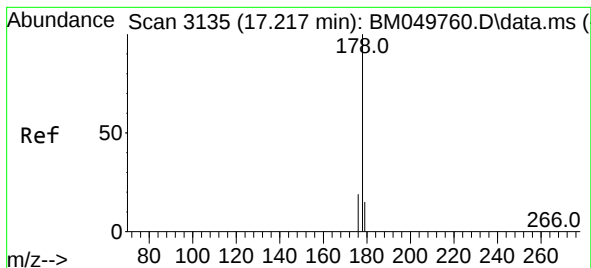
Tgt Ion:166 Resp: 2295
Ion Ratio Lower Upper
166 100
165 100.6 77.6 116.4
167 16.7 11.1 16.7#



#14
Pentachlorophenol
Concen: 0.069 ng/ul
RT: 16.836 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:266 Resp: 252
Ion Ratio Lower Upper
266 100
264 61.9 50.2 75.4
268 54.0 49.9 74.9





#15

Phenanthrene

Concen: 0.067 ng/ul

RT: 17.220 min Scan# 3136

Delta R.T. -0.004 min

Lab File: BM049762.D

Acq: 26 Mar 2025 10:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-02

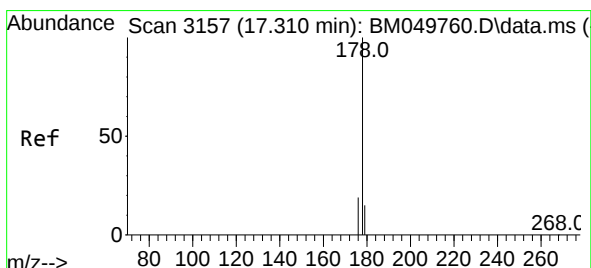
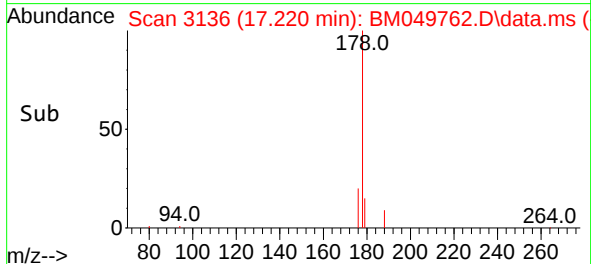
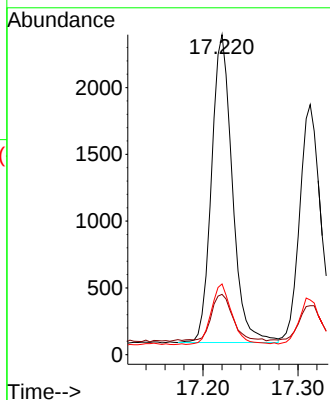
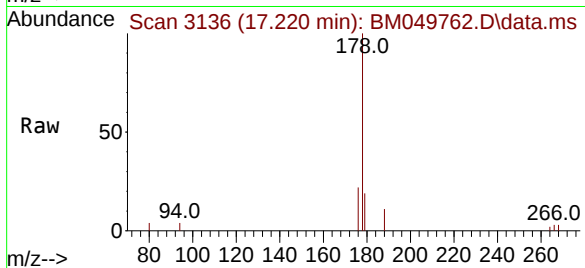
Tgt Ion:178 Resp: 3518

Ion Ratio Lower Upper

178 100

179 18.8 12.7 19.1

176 22.1 16.2 24.2



#16

Anthracene

Concen: 0.060 ng/ul

RT: 17.313 min Scan# 3158

Delta R.T. -0.004 min

Lab File: BM049762.D

Acq: 26 Mar 2025 10:54

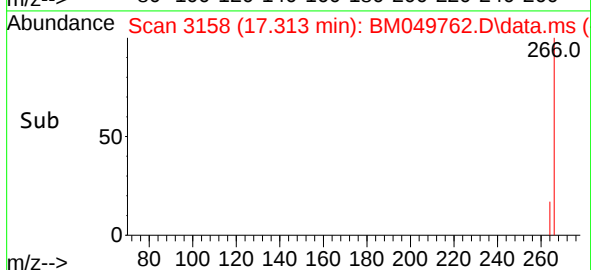
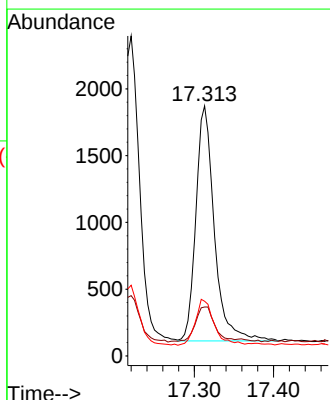
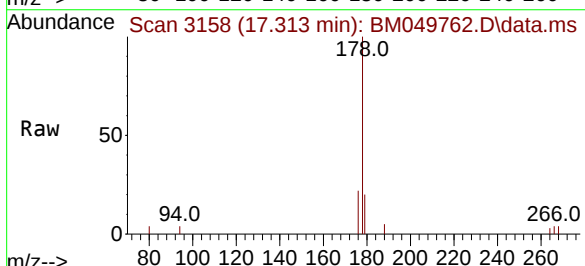
Tgt Ion:178 Resp: 2853

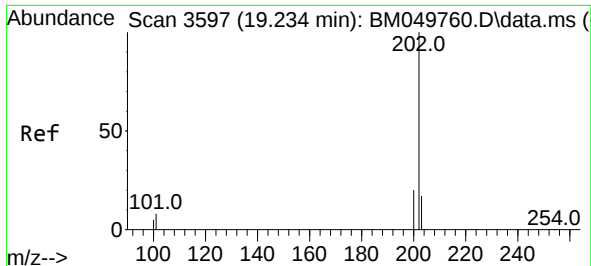
Ion Ratio Lower Upper

178 100

179 19.6 12.6 19.0#

176 21.9 15.5 23.3

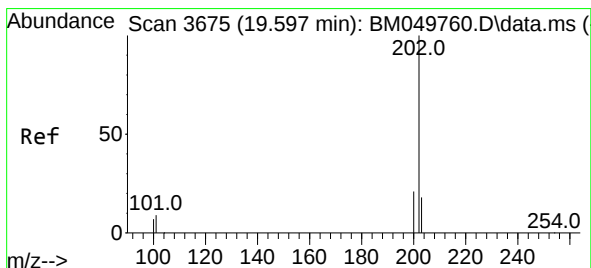
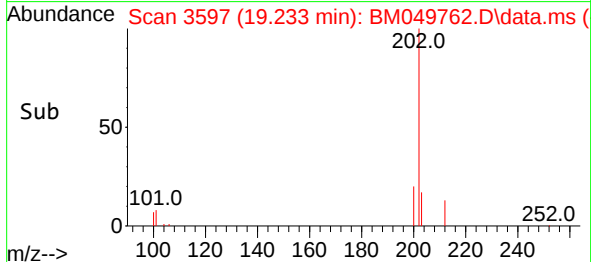
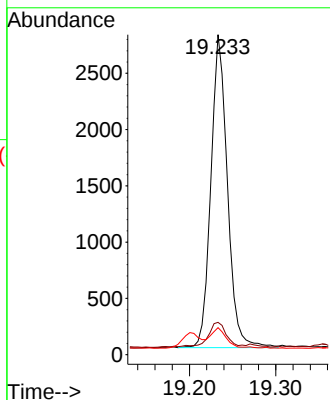
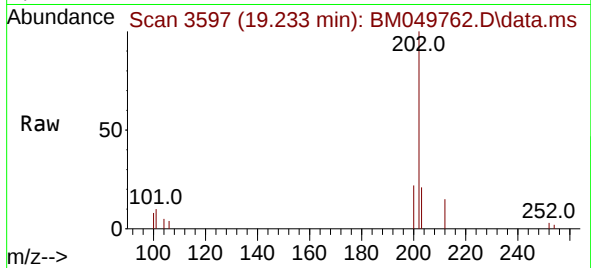




#19
Fluoranthene
Concen: 0.078 ng/ul
RT: 19.233 min Scan# 3597
Delta R.T. -0.010 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

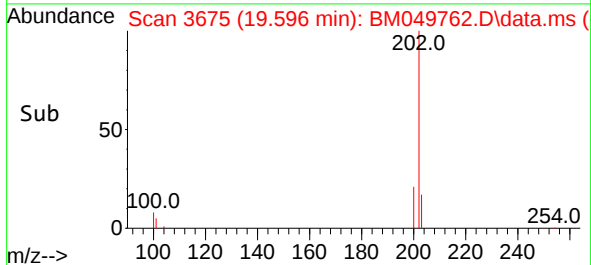
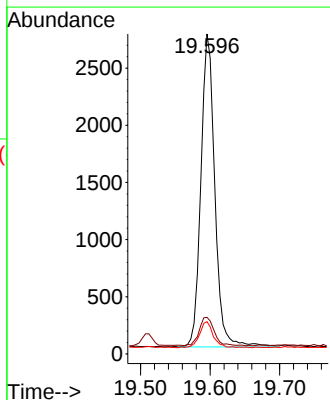
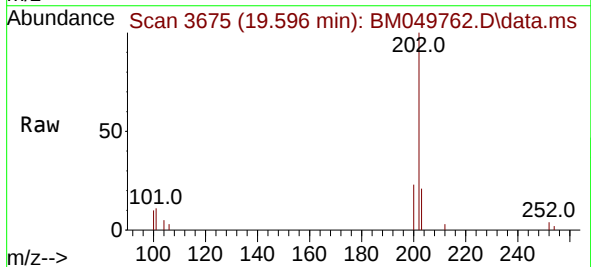
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

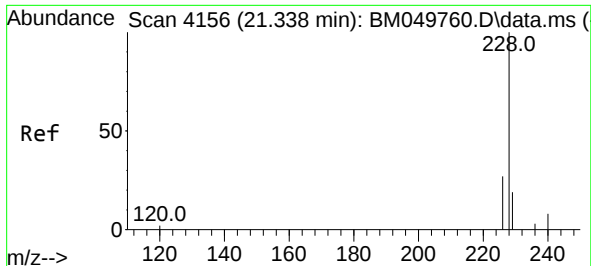
Tgt Ion:202 Resp: 3712
Ion Ratio Lower Upper
202 100
101 10.1 6.6 10.0#
100 8.4 5.0 7.4#



#20
Pyrene
Concen: 0.076 ng/ul
RT: 19.596 min Scan# 3675
Delta R.T. -0.010 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

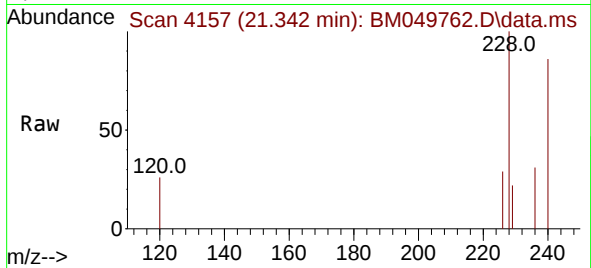
Tgt Ion:202 Resp: 3813
Ion Ratio Lower Upper
202 100
101 11.5 7.4 11.2#
100 10.1 6.0 9.0#



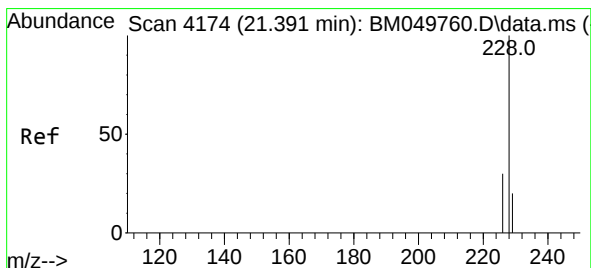
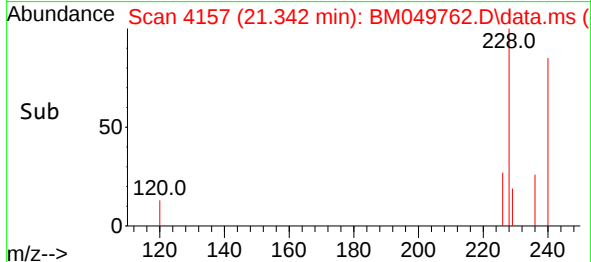
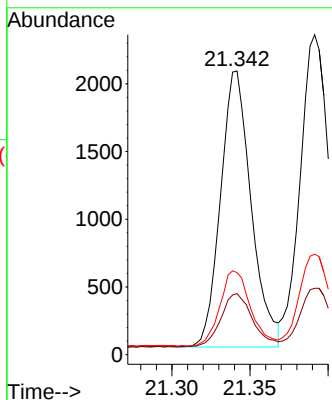


#21
Benzo(a)anthracene
Concen: 0.066 ng/ul
RT: 21.342 min Scan# 4156
Delta R.T. -0.009 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

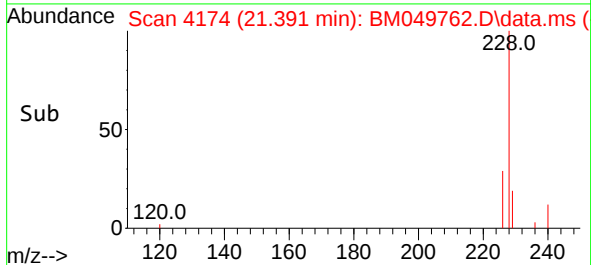
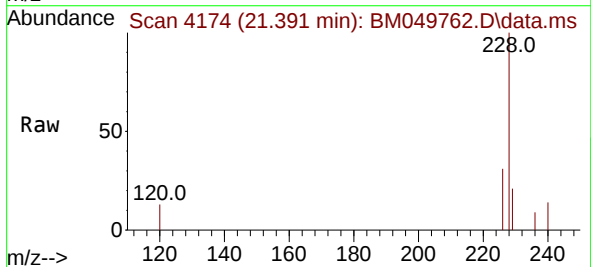
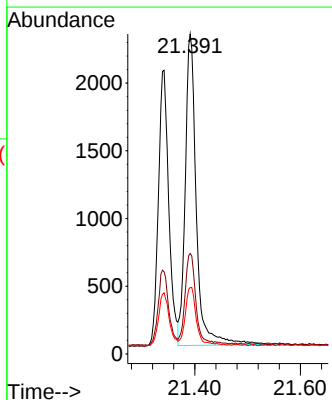


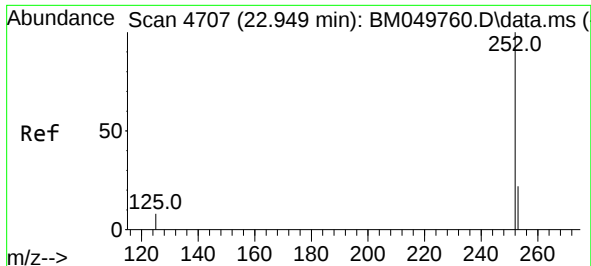
Tgt Ion:228 Resp: 2787
Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 28.9 22.1 33.1



#22
Chrysene
Concen: 0.075 ng/ul
RT: 21.391 min Scan# 4174
Delta R.T. -0.012 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:228 Resp: 3371
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 20.7 16.0 24.0

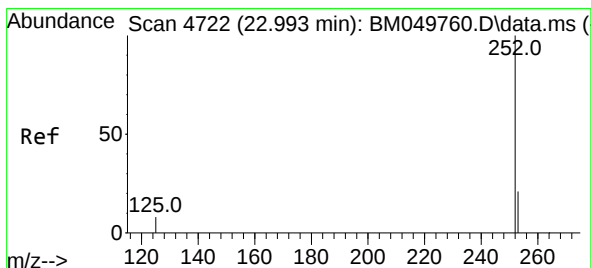
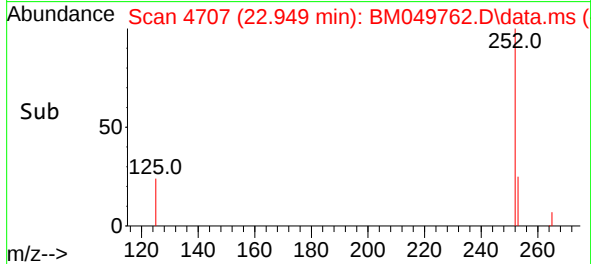
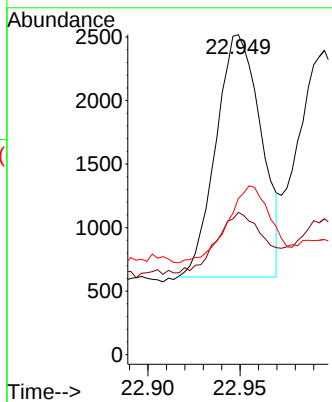
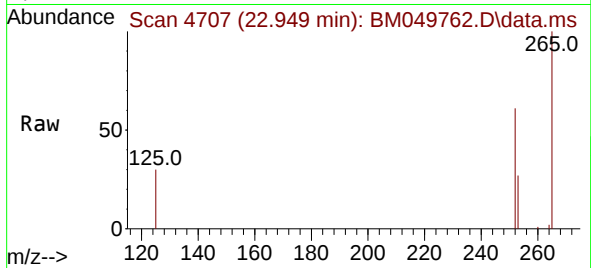




#24
Benzo(b)fluoranthene
Concen: 0.081 ng/ul m
RT: 22.949 min Scan# 4707
Delta R.T. -0.012 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

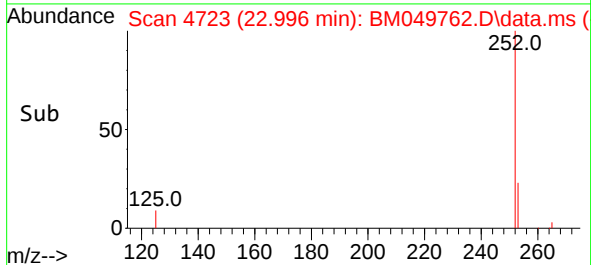
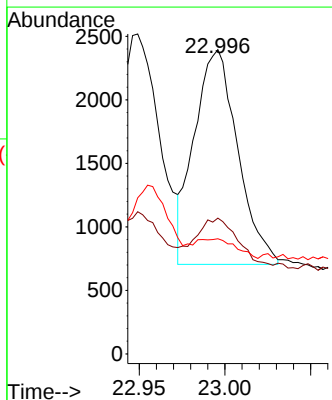
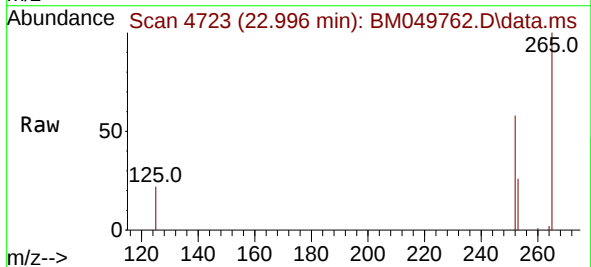
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

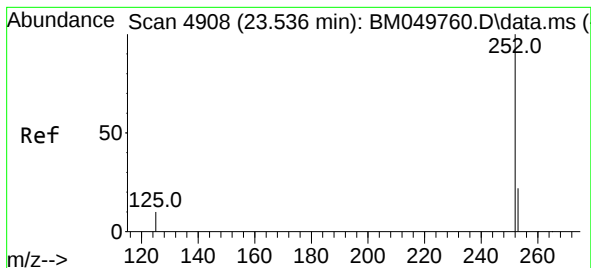
Tgt Ion:252 Resp: 3258
Ion Ratio Lower Upper
252 100
253 44.5 0.0 54.4
125 48.8 0.0 29.2#



#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul m
RT: 22.996 min Scan# 4723
Delta R.T. -0.012 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:252 Resp: 2972
Ion Ratio Lower Upper
252 100
253 44.6 22.2 33.2#
125 37.9 11.7 17.5#





#26

Benzo(a)pyrene

Concen: 0.082 ng/ul

RT: 23.540 min Scan# 4908

Delta R.T. -0.012 min

Lab File: BM049762.D

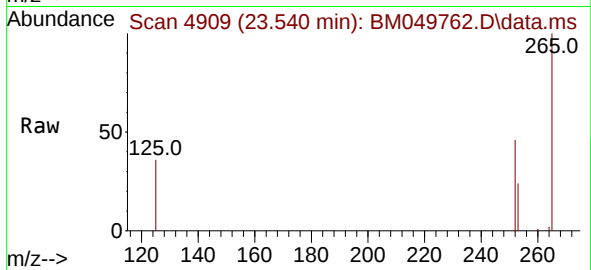
Acq: 26 Mar 2025 10:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-02



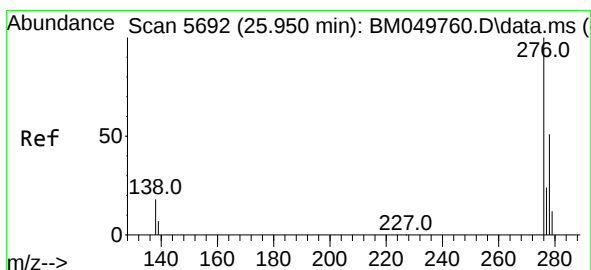
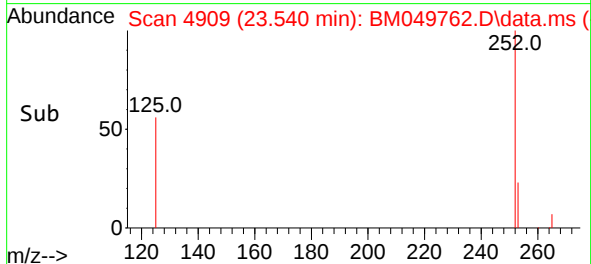
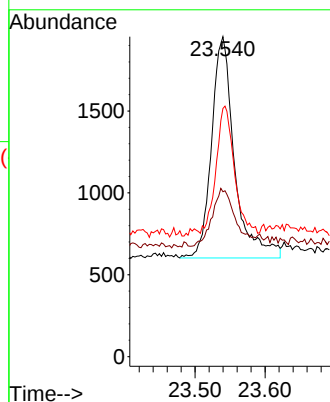
Tgt Ion:252 Resp: 3078

Ion Ratio Lower Upper

252 100

253 51.5 23.7 35.5#

125 77.5 15.0 22.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.081 ng/ul

RT: 25.957 min Scan# 5694

Delta R.T. -0.017 min

Lab File: BM049762.D

Acq: 26 Mar 2025 10:54

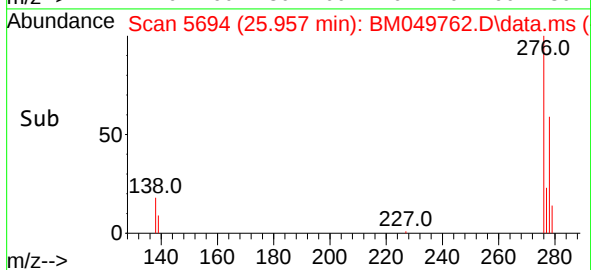
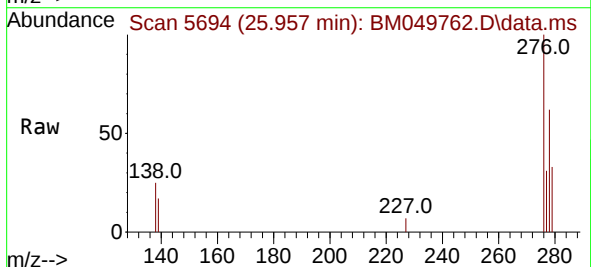
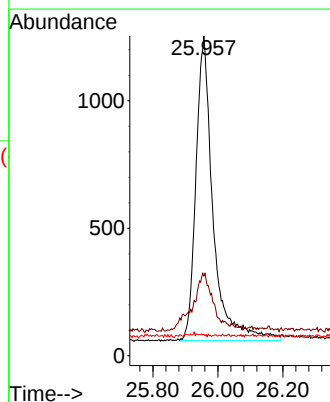
Tgt Ion:276 Resp: 4361

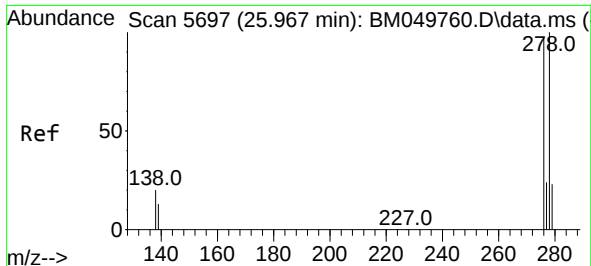
Ion Ratio Lower Upper

276 100

138 17.7 16.2 24.4

227 0.1 0.1 0.1

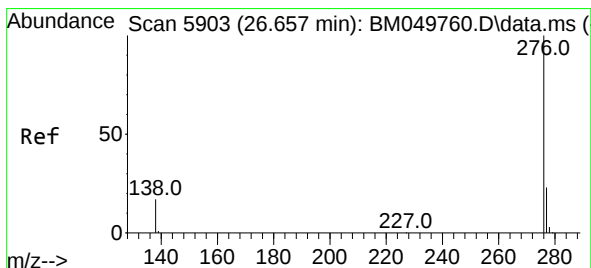
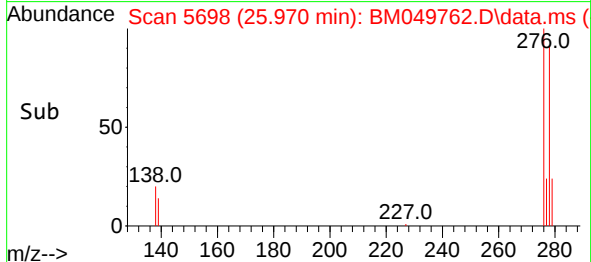
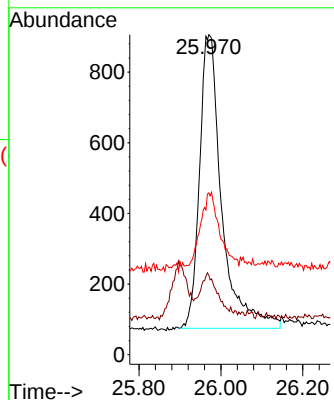
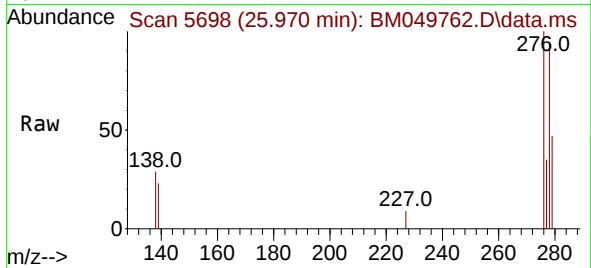




#28
Dibenzo(a,h)anthracene
Concen: 0.076 ng/ul
RT: 25.970 min Scan# 5697
Delta R.T. -0.020 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:278 Resp: 3129
Ion Ratio Lower Upper
278 100
139 24.8 13.0 19.4#
279 50.6 22.6 33.8#



#29
Benzo(g,h,i)perylene
Concen: 0.081 ng/ul
RT: 26.658 min Scan# 5903
Delta R.T. -0.024 min
Lab File: BM049762.D
Acq: 26 Mar 2025 10:54

Tgt Ion:276 Resp: 3527
Ion Ratio Lower Upper
276 100
138 27.1 15.2 22.8#
277 32.6 20.3 30.5#

