

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032025\
 Data File : BM049730.D
 Acq On : 20 Mar 2025 11:54
 Operator : RC/JU
 Sample : Q1546-01
 Misc : MDL-WATER 4 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2025-01

Quant Time: Mar 20 12:59:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 15:07:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	322095	20.000	ng/u1	0.00
20) Naphthalene-d8	10.592	136	1212081	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	885690	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1860304	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	1547894	20.000	ng/u1	0.00
88) Perylene-d12	24.438	264	1301970	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	31225	3.994	ng/uL	0.00
4) Pyridine-d5	3.657	84	563848	23.445	ng/u1	0.00
7) Phenol-d5	6.969	99	624418	23.710	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	430493	26.204	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	504916	25.541	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	470503	23.010	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	240239	26.048	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	252866	25.376	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.216	165	527615	24.463	ng/u1	0.00
31) 4-Chloroaniline-d4	10.727	131	709992	25.747	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1782018	27.295	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	2039357	26.816	ng/u1	0.00
54) 4-Nitrophenol-d4	14.639	143	257637	23.208	ng/u1	0.00
60) Fluorene-d10	15.433	176	1587830	27.291	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	220767	18.916	ng/u1	0.00
73) Anthracene-d10	17.280	188	2408533	25.508	ng/u1	0.00
81) Pyrene-d10	19.574	212	2848740	30.102	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.232	264	1983714	28.332	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	11269m	1.351	ng/uL	
5) Pyridine	3.681	79	104444	4.350	ng/u1#	83
6) Benzaldehyde	6.934	77	69055	4.963	ng/u1	98
8) Phenol	6.992	94	114578	4.240	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.222	93	98357	4.540	ng/u1	96
12) 2-Chlorophenol	7.363	128	91735	4.497	ng/u1	99
13) 2-Methylphenol	8.245	108	72700	3.685	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.322	45	126946	4.703	ng/u1	98
16) Acetophenone	8.616	105	148037	4.449	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.604	70	76378	4.441	ng/u1	98
18) 4-Methylphenol	8.569	108	85165	3.915	ng/u1	97
19) Hexachloroethane	8.880	117	41470	4.679	ng/u1	98
22) Nitrobenzene	8.992	77	109345	4.744	ng/u1	98
23) Isophorone	9.522	82	192143	4.287	ng/u1	100
25) 2-Nitrophenol	9.704	139	48084	4.353	ng/u1	92
26) 2,4-Dimethylphenol	9.769	107	47726	2.350	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.004	93	128034	4.637	ng/u1	99
29) 2,4-Dichlorophenol	10.245	162	95053	4.417	ng/u1	95
30) Naphthalene	10.645	128	288121	4.574	ng/u1	99
32) 4-Chloroaniline	10.751	127	118836	4.547	ng/u1	99
33) Hexachlorobutadiene	10.939	225	72753	4.712	ng/u1	96
34) Caprolactam	11.539	113	26283m	4.303	ng/u1	
35) 4-Chloro-3-methylphenol	11.880	107	73044	3.780	ng/u1	99
36) 2-Methylnaphthalene	12.257	142	206048	4.382	ng/u1	97

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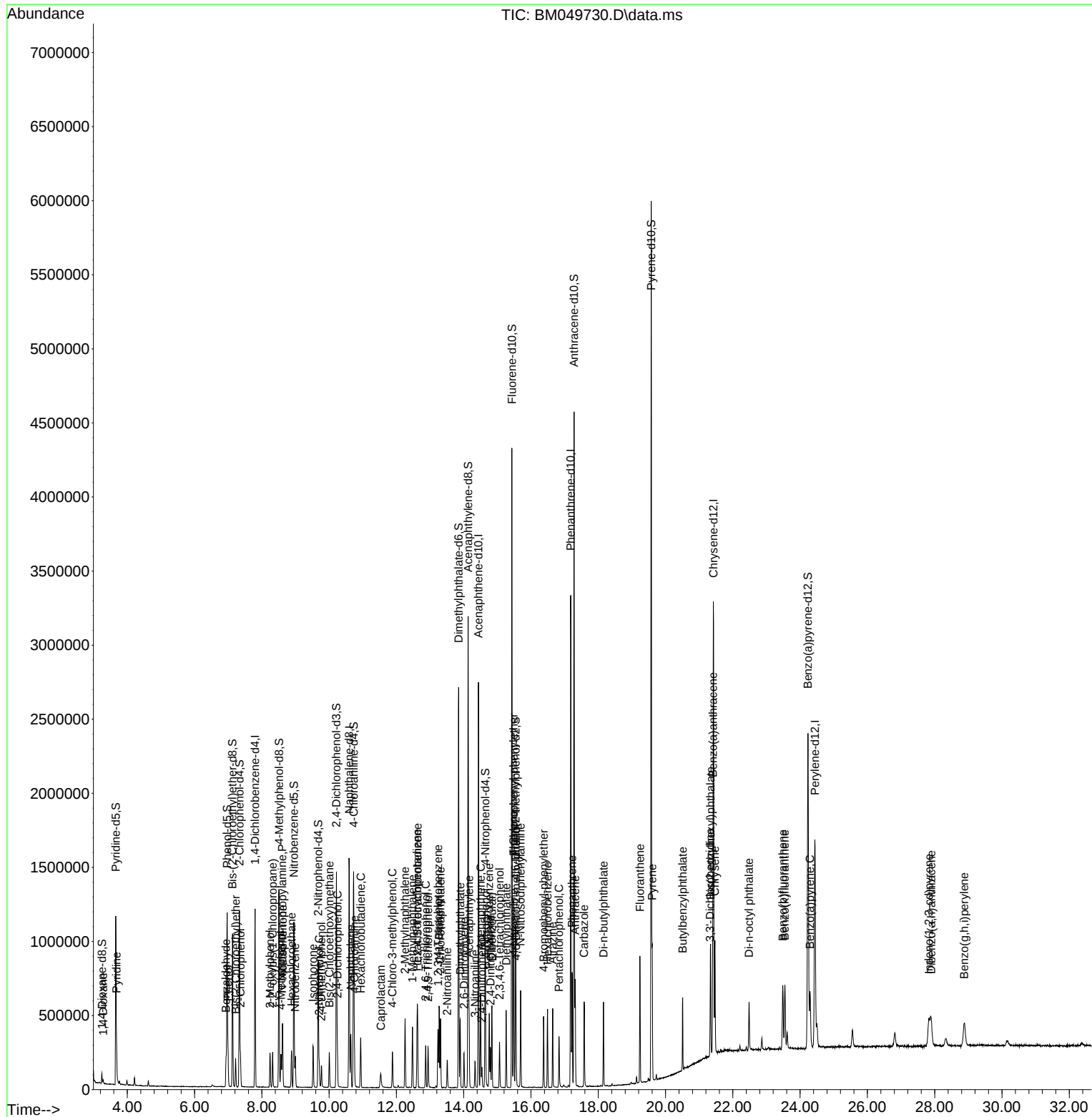
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.474	142	191615	4.129	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.627	216	136230	4.242	ng/ul	97
40) Hexachlorocyclopentadiene	12.616	237	72980	3.785	ng/ul	97
41) 2,4,6-Trichlorophenol	12.868	196	68794	3.678	ng/ul	99
42) 2,4,5-Trichlorophenol	12.939	196	73723	3.670	ng/ul	98
43) 1,1'-Biphenyl	13.268	154	283454	4.313	ng/ul	98
44) 2-Chloronaphthalene	13.310	162	237769	4.570	ng/ul	99
45) 2-Nitroaniline	13.510	65	46941	3.685	ng/ul	92
47) Dimethylphthalate	13.898	163	299441	4.653	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	44796	3.696	ng/ul	96
50) Acenaphthylene	14.157	152	344406	4.443	ng/ul	99
51) 3-Nitroaniline	14.339	138	40008	3.470	ng/ul	97
52) Acenaphthene	14.504	153	244772	4.388	ng/ul	98
53) 2,4-Dinitrophenol	14.539	184	27522	3.712	ng/ul	96
55) 4-Nitrophenol	14.651	109	37991	4.477	ng/ul	95
56) Dibenzofuran	14.839	168	362201	4.607	ng/ul	96
57) 2,4-Dinitrotoluene	14.798	165	67448	3.850	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.068	232	61626	3.727	ng/ul	95
59) Diethylphthalate	15.262	149	276692	4.468	ng/ul	99
61) Fluorene	15.486	166	291148	4.270	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.486	204	157594	4.171	ng/ul	98
63) 4-Nitroaniline	15.498	138	37308	3.421	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.557	198	51995	4.017	ng/ul#	75
67) N-Nitrosodiphenylamine	15.692	169	233934	4.144	ng/ul	99
68) 4-Bromophenyl-phenylether	16.374	248	89455	4.022	ng/ul	96
69) Hexachlorobenzene	16.492	284	103671	4.129	ng/ul	97
70) Atrazine	16.645	200	90716	4.175	ng/ul	98
71) Pentachlorophenol	16.833	266	59174	3.654	ng/ul	96
72) Phenanthrene	17.221	178	446908	4.245	ng/ul	99
74) Anthracene	17.315	178	436529	4.147	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	126380	3.970	ng/uL	99
76) Pentachlorobenzene	14.757	250	122397	3.831	ng/uL	98
77) Carbazole	17.580	167	366341	4.056	ng/ul	99
78) Di-n-butylphthalate	18.156	149	410083	3.922	ng/ul	100
80) Fluoranthene	19.239	202	484722	4.555	ng/ul	100
82) Pyrene	19.603	202	535503	4.743	ng/ul	100
83) Butylbenzylphthalate	20.509	149	133813	3.706	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.327	252	108820	3.395	ng/ul	98
85) Benzo(a)anthracene	21.409	228	478397	4.487	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.339	149	195295	3.664	ng/ul	99
87) Chrysene	21.468	228	426255	4.444	ng/ul	98
89) Di-n-octyl phthalate	22.480	149	252894	2.951	ng/ul	100
90) Benzo(b)fluoranthene	23.485	252	369592	4.132	ng/ul	99
91) Benzo(k)fluoranthene	23.544	252	373671	4.172	ng/ul	98
93) Benzo(a)pyrene	24.297	252	349474	4.417	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.826	276	354987	4.176	ng/ul	98
95) Dibenzo(a,h)anthracene	27.897	278	288834	4.186	ng/ul	99
96) Benzo(g,h,i)perylene	28.879	276	279115	4.424	ng/ul	96

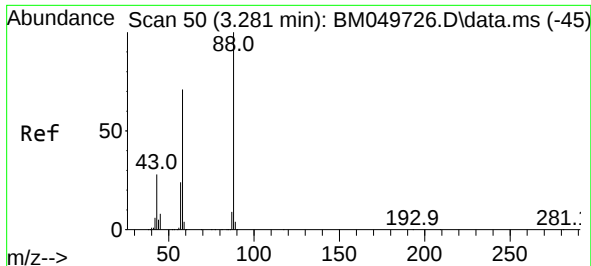
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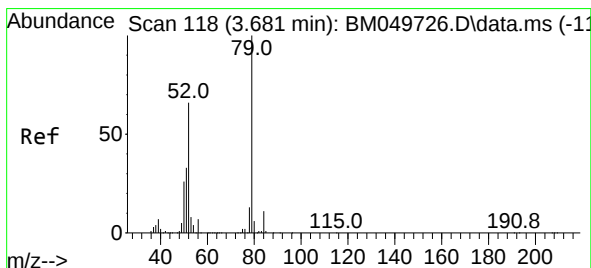
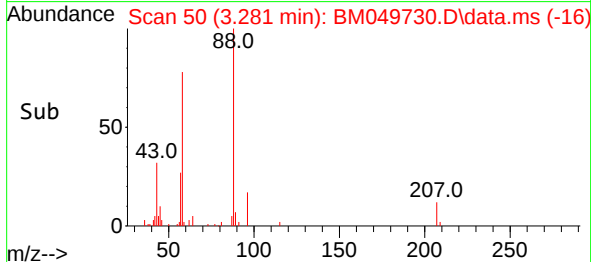
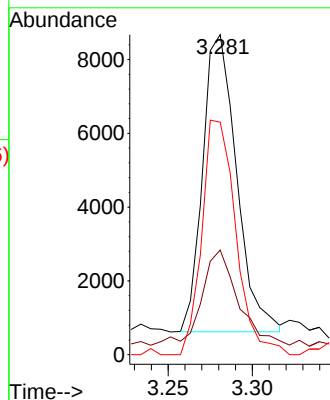
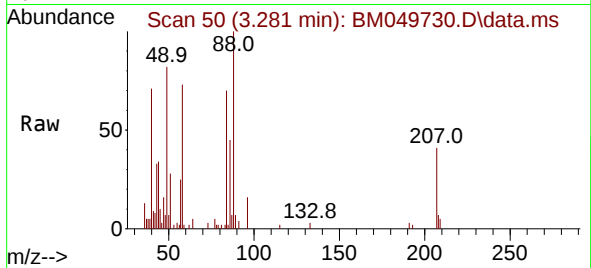




#2
1,4-Dioxane
Concen: 1.351 ng/uL m
RT: 3.281 min Scan# 50
Delta R.T. -0.000 min
Lab File: BM049730.D
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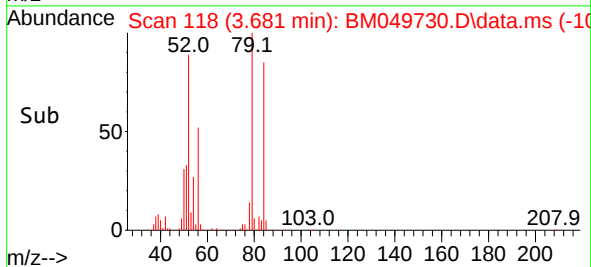
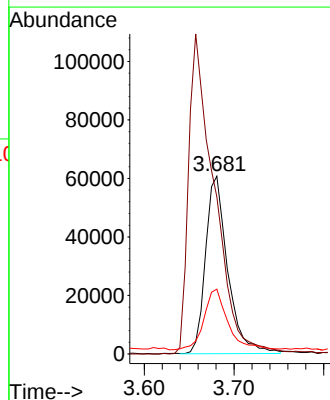
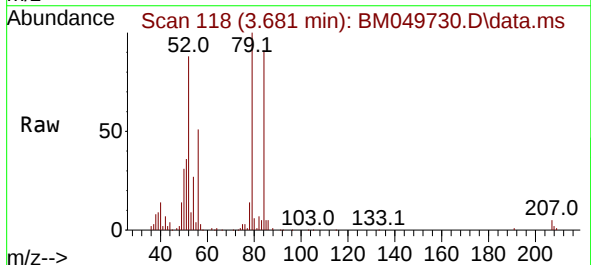
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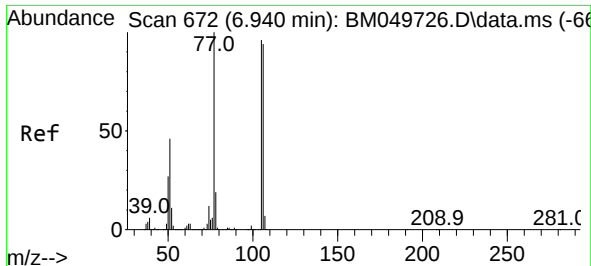
Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	22.8	34.2
58	72.7	50.6	76.0



#5
Pyridine
Concen: 4.350 ng/uL
RT: 3.681 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion	Ratio	Lower	Upper
79	100		
52	88.3	56.5	84.7#
51	36.5	26.3	39.5

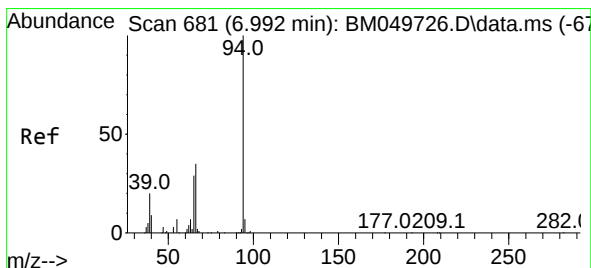
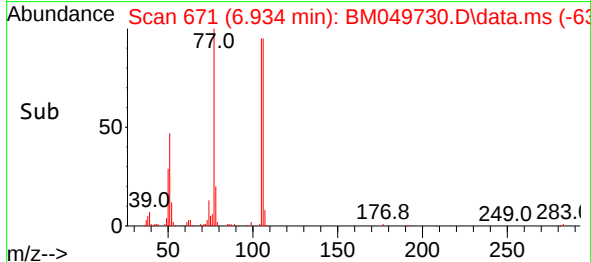
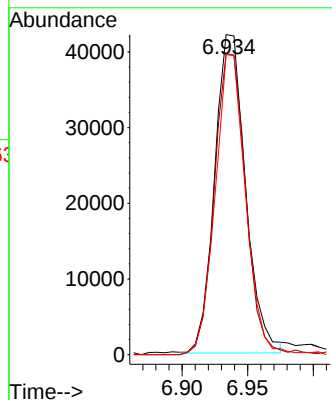
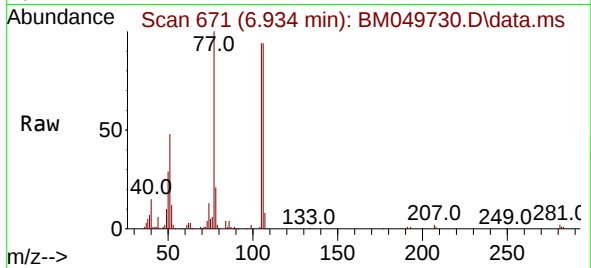




#6
Benzaldehyde
Concen: 4.963 ng/ul
RT: 6.934 min Scan# 672
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

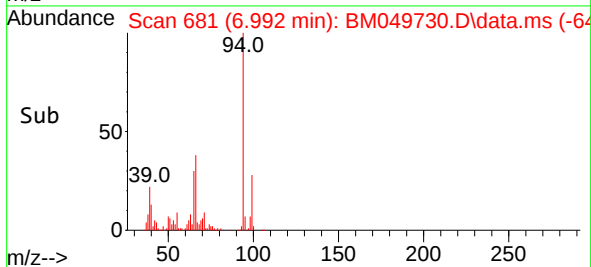
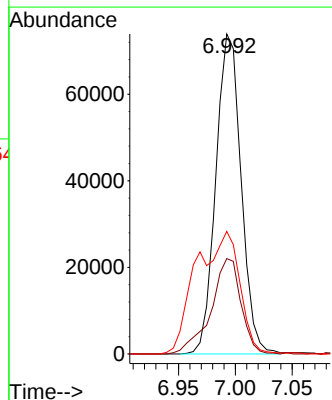
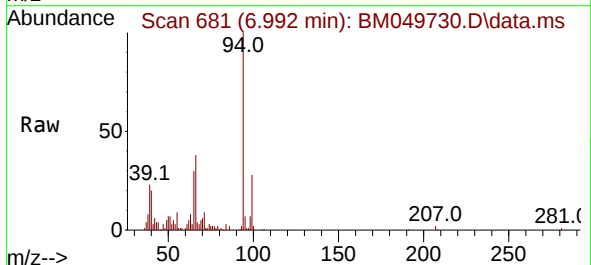
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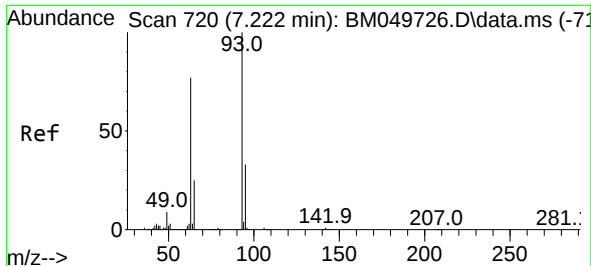
Tgt Ion: 77 Resp: 69055
Ion Ratio Lower Upper
77 100
105 94.0 76.2 114.2
106 93.8 72.6 108.8



#8
Phenol
Concen: 4.240 ng/ul
RT: 6.992 min Scan# 681
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion: 94 Resp: 114578
Ion Ratio Lower Upper
94 100
65 29.8 23.3 34.9
66 38.3 29.5 44.3

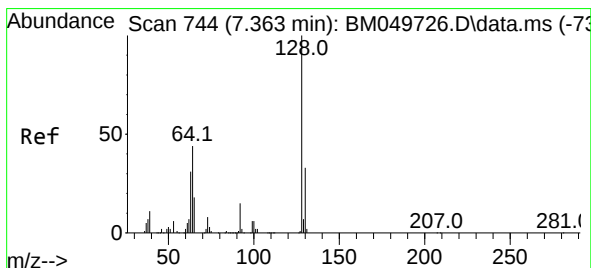
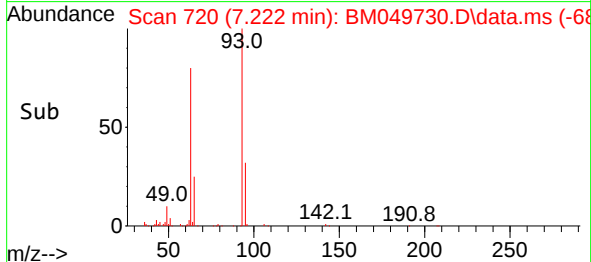
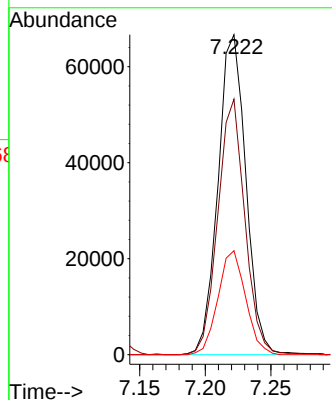
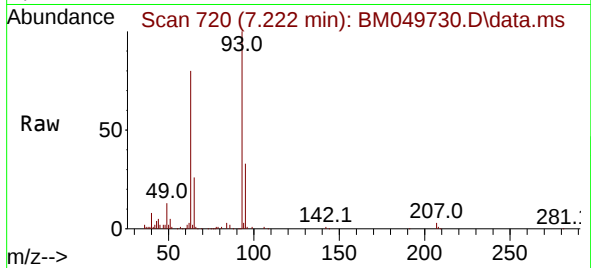




#10
Bis(2-Chloroethyl)ether
Concen: 4.540 ng/ul
RT: 7.222 min Scan# 720
Delta R.T. -0.000 min
Lab File: BM049730.D
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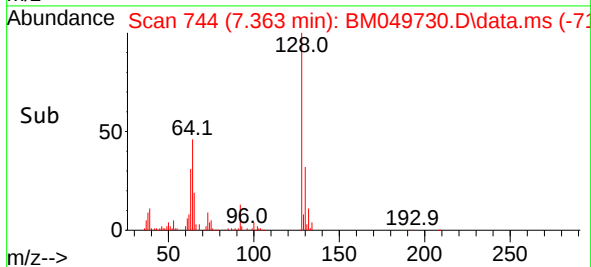
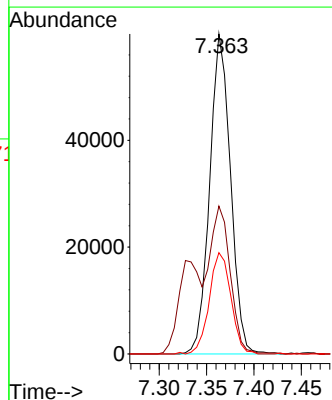
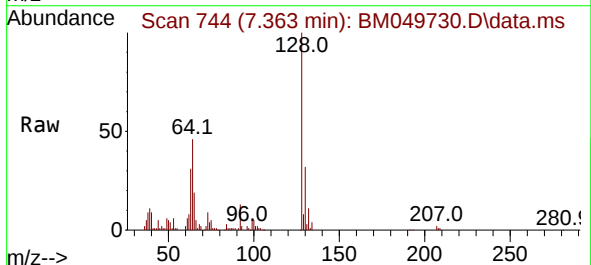
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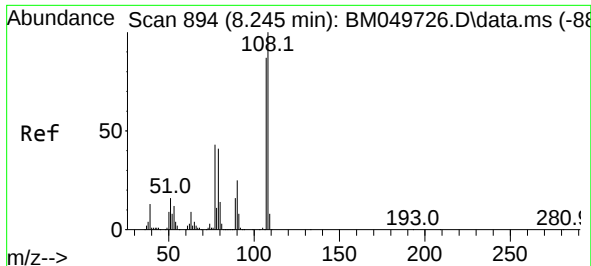
Tgt Ion: 93	Resp: 98357
Ion Ratio	Lower Upper
93 100	
63 79.8	60.1 90.1
95 32.5	26.0 39.0



#12
2-Chlorophenol
Concen: 4.497 ng/ul
RT: 7.363 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM049730.D
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Tgt Ion:128	Resp: 91735
Ion Ratio	Lower Upper
128 100	
64 46.2	36.6 54.8
130 31.7	25.5 38.3





#13

2-Methylphenol

Concen: 3.685 ng/ul

RT: 8.245 min Scan# 894

Delta R.T. -0.000 min

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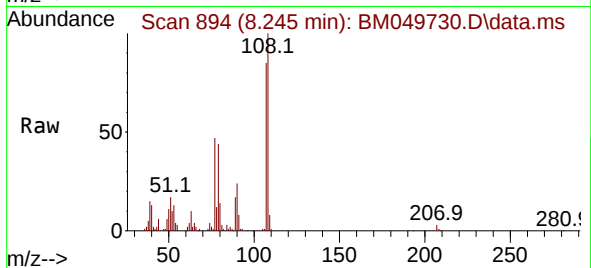
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Instrument :

BNA_M

ClientSampleId :

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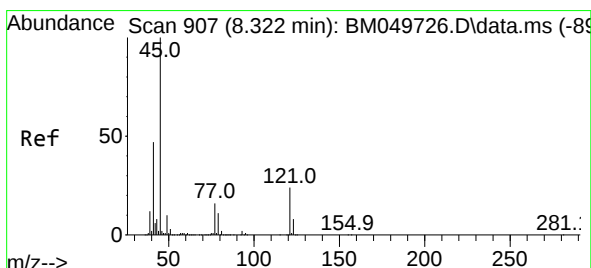
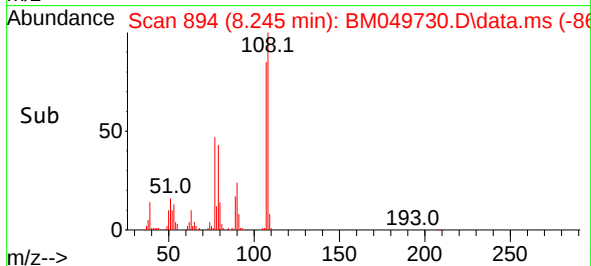
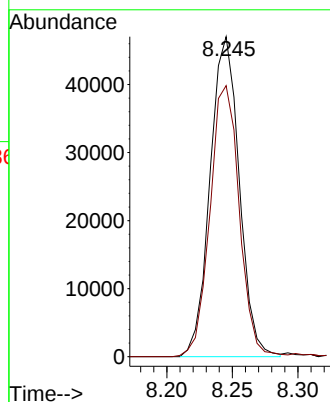


Tgt Ion:108 Resp: 72700

Ion Ratio Lower Upper

108 100

107 84.7 70.0 105.0



#14

2,2'-oxybis(1-Chloropropane)

Concen: 4.703 ng/ul

RT: 8.322 min Scan# 907

Delta R.T. -0.000 min

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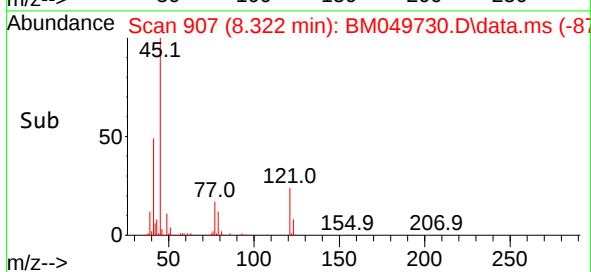
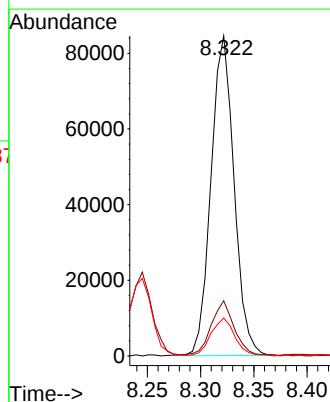
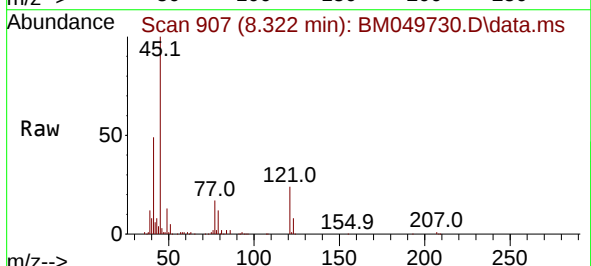
Tgt Ion: 45 Resp: 126946

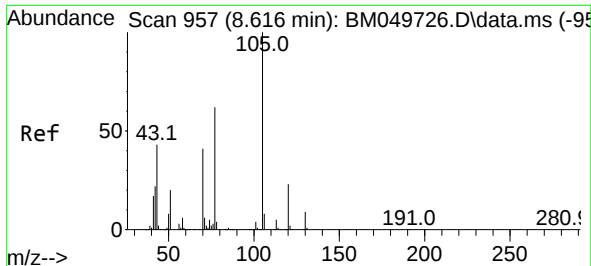
Ion Ratio Lower Upper

45 100

77 17.2 12.9 19.3

79 11.8 9.0 13.6

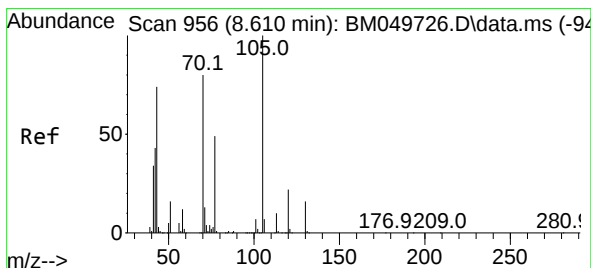
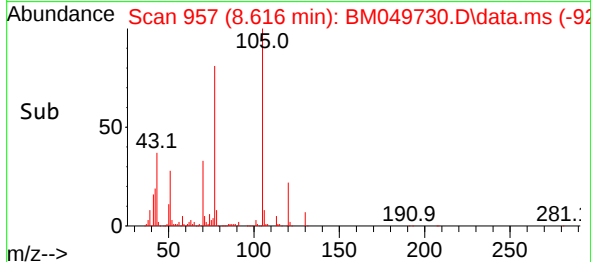
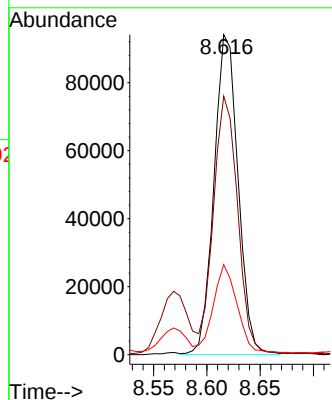
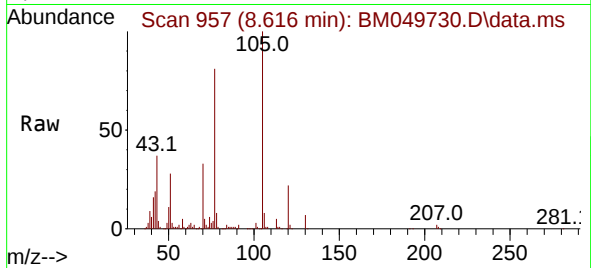




#16
Acetophenone
Concen: 4.449 ng/ul
RT: 8.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

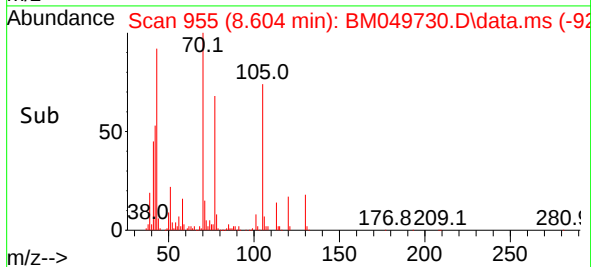
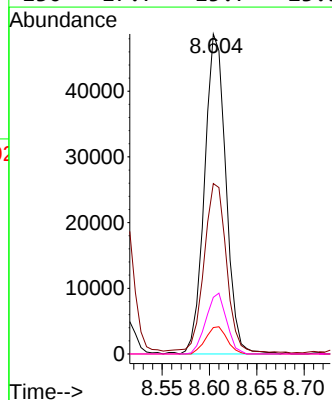
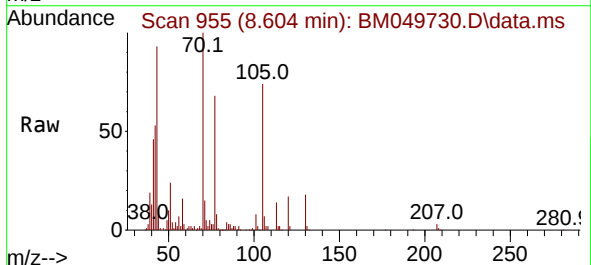
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

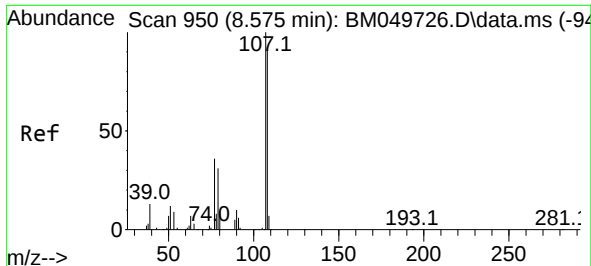
Tgt Ion:105 Resp: 148037
Ion Ratio Lower Upper
105 100
77 80.8 63.0 94.6
51 28.2 20.6 30.8



#17
N-Nitroso-di-n-propylamine
Concen: 4.441 ng/ul
RT: 8.604 min Scan# 955
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion: 70 Resp: 76378
Ion Ratio Lower Upper
70 100
42 53.3 42.2 63.2
101 8.3 7.9 11.9
130 17.7 15.7 23.5

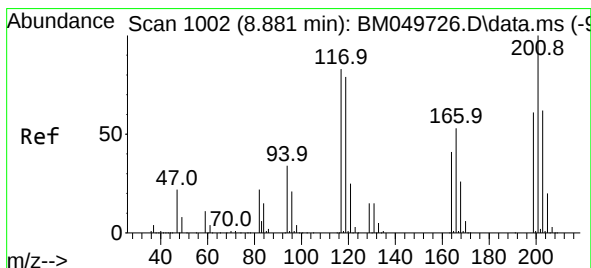
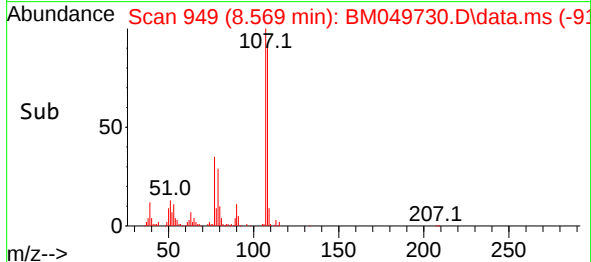
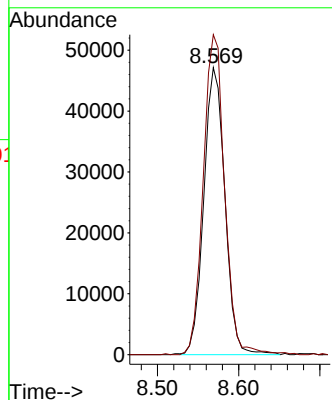
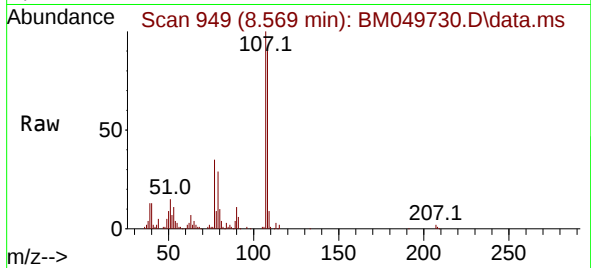




#18
4-Methylphenol
Concen: 3.915 ng/ul
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

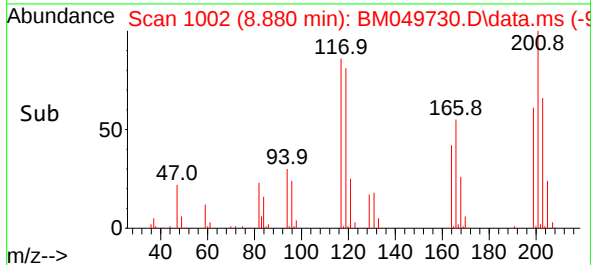
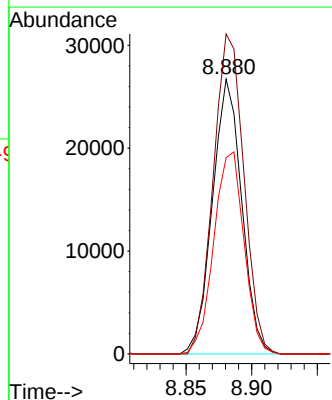
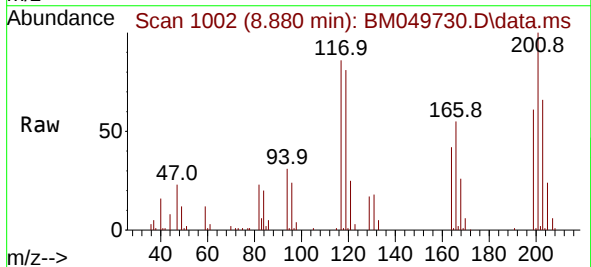
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

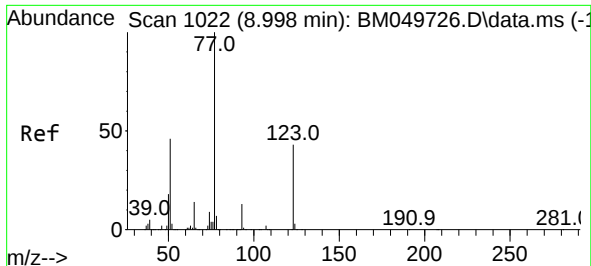
Tgt Ion:108 Resp: 85165
Ion Ratio Lower Upper
108 100
107 111.5 87.0 130.6



#19
Hexachloroethane
Concen: 4.679 ng/ul
RT: 8.880 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:117 Resp: 41470
Ion Ratio Lower Upper
117 100
201 116.4 95.5 143.3
199 71.4 57.8 86.8

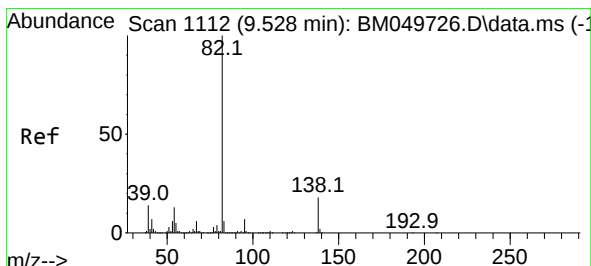
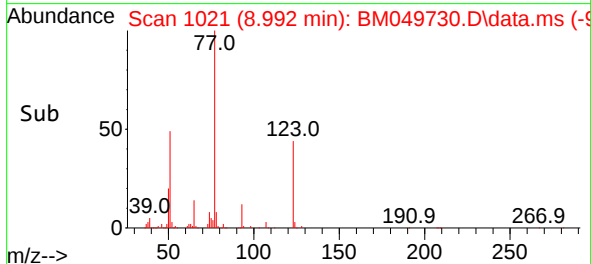
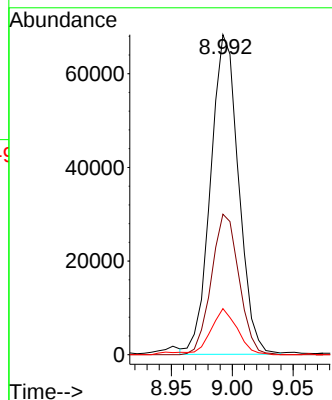
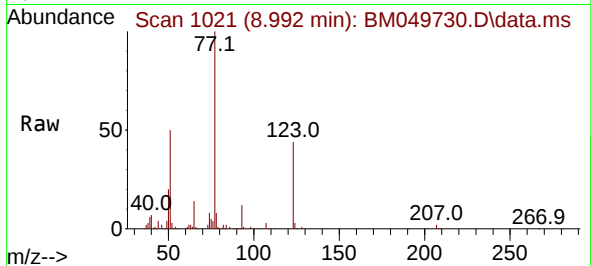




#22
Nitrobenzene
Concen: 4.744 ng/ul
RT: 8.992 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

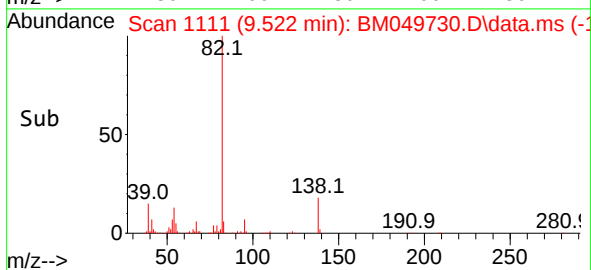
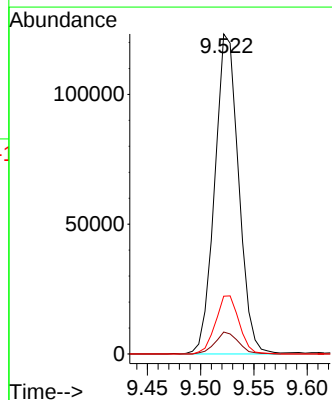
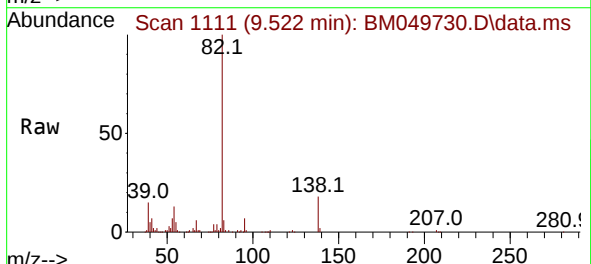
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

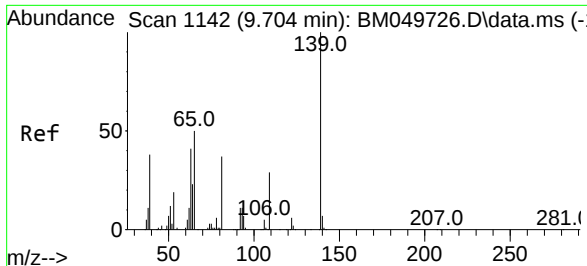
Tgt Ion: 77 Resp: 109345
Ion Ratio Lower Upper
77 100
123 43.9 35.8 53.8
65 14.4 10.4 15.6



#23
Isophorone
Concen: 4.287 ng/ul
RT: 9.522 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion: 82 Resp: 192143
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.0 14.6 22.0

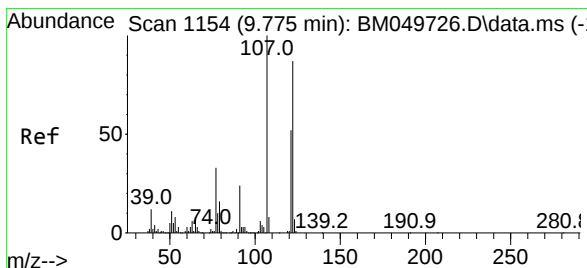
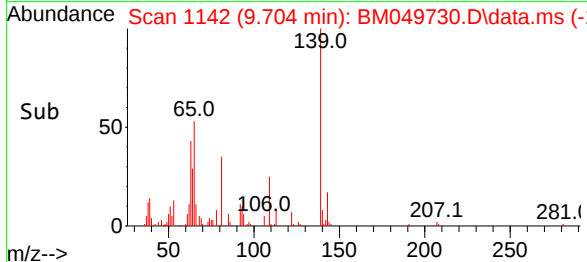
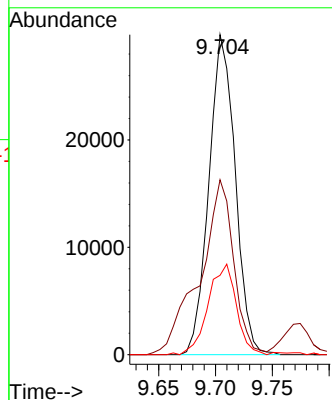
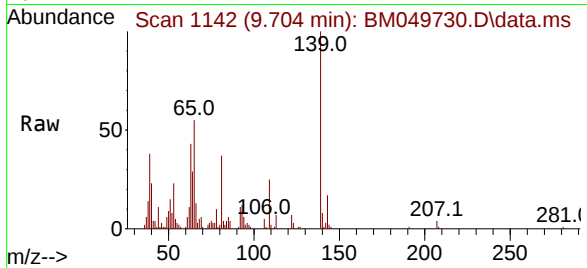




#25
2-Nitrophenol
Concen: 4.353 ng/ul
RT: 9.704 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

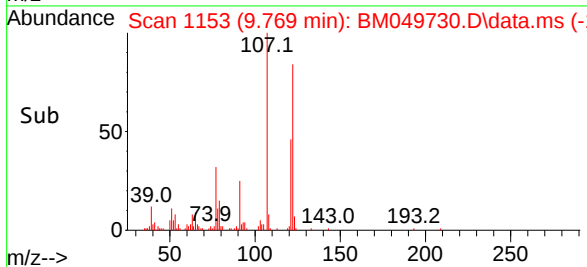
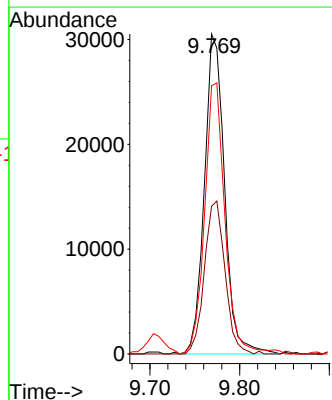
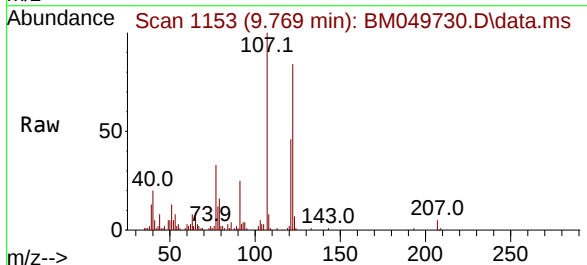
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

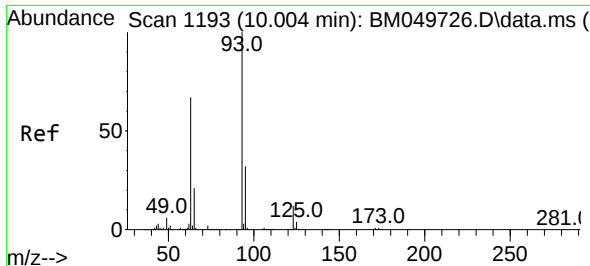
Tgt Ion:139 Resp: 48084
Ion Ratio Lower Upper
139 100
65 54.6 39.0 58.4
109 24.8 22.7 34.1



#26
2,4-Dimethylphenol
Concen: 2.350 ng/ul
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:107 Resp: 47726
Ion Ratio Lower Upper
107 100
121 46.1 40.4 60.6
122 83.8 69.6 104.4





#27

Bis(2-Chloroethoxy)methane

Concen: 4.637 ng/ul

RT: 10.004 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

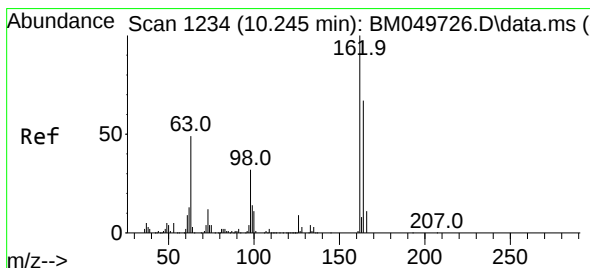
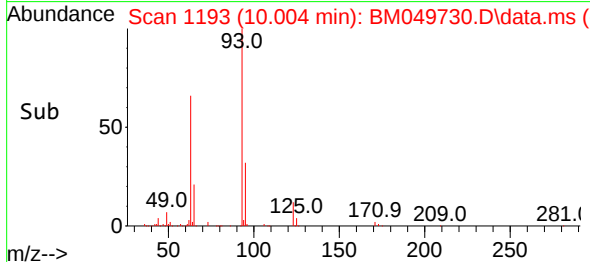
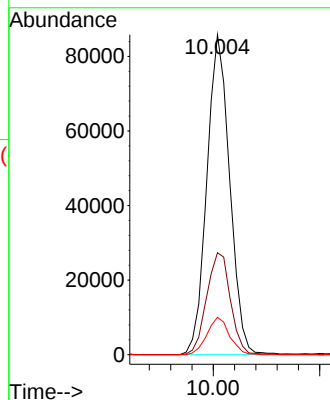
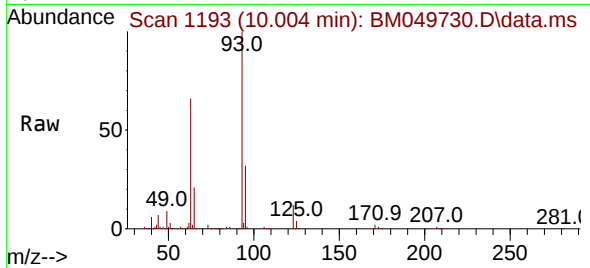
Tgt Ion: 93 Resp: 128034

Ion Ratio Lower Upper

93 100

95 31.8 26.2 39.2

123 11.7 9.3 13.9



#29

2,4-Dichlorophenol

Concen: 4.417 ng/ul

RT: 10.245 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

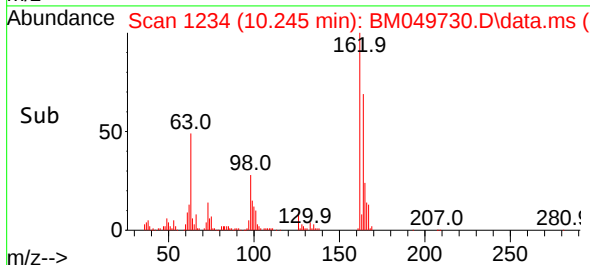
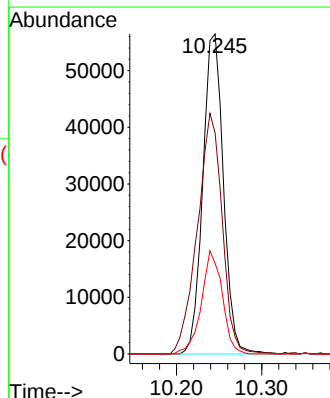
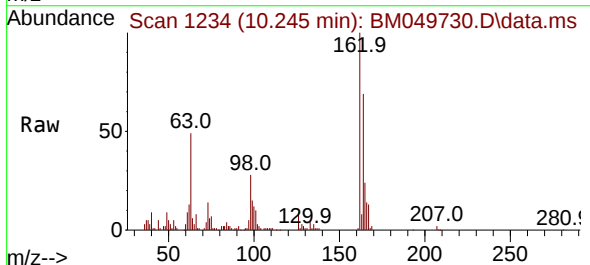
Tgt Ion:162 Resp: 95053

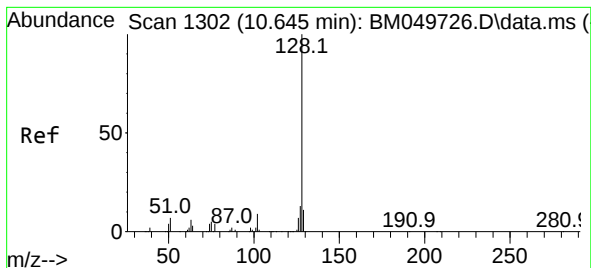
Ion Ratio Lower Upper

162 100

164 69.1 52.2 78.2

98 28.3 24.9 37.3

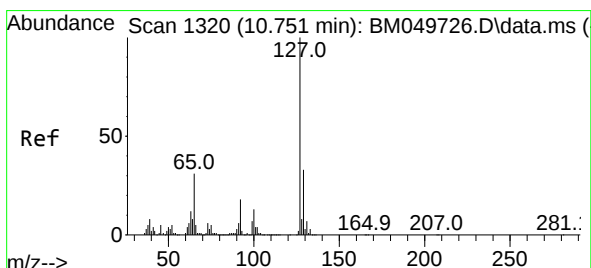
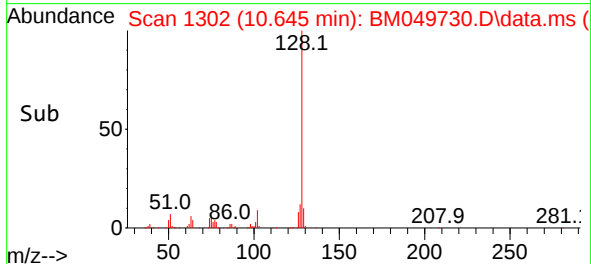
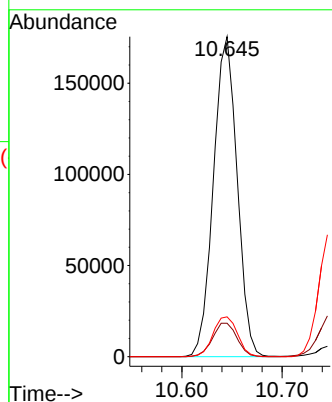
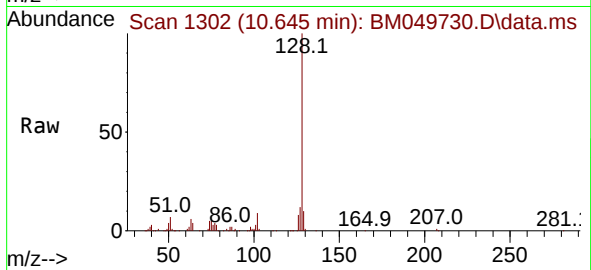




#30
Naphthalene
Concen: 4.574 ng/ul
RT: 10.645 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

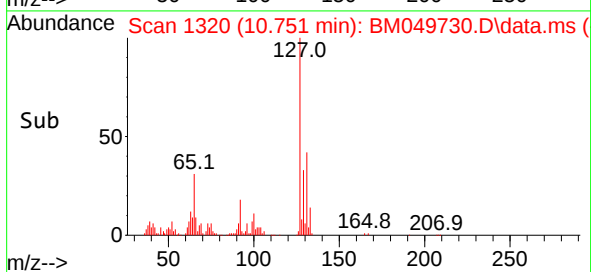
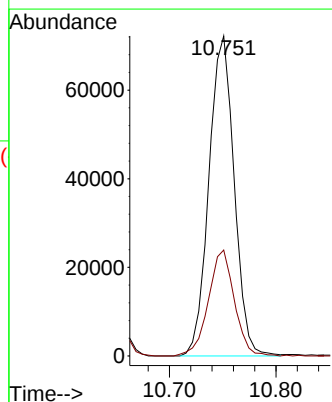
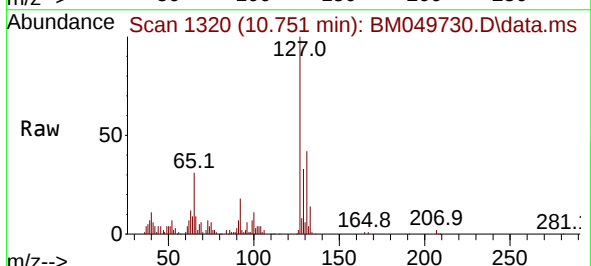
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

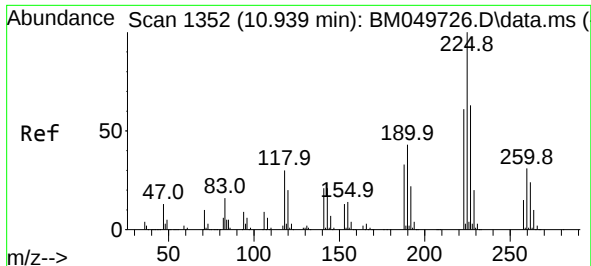
Tgt Ion:128 Resp: 288121
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 12.4 10.2 15.4



#32
4-Chloroaniline
Concen: 4.547 ng/ul
RT: 10.751 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

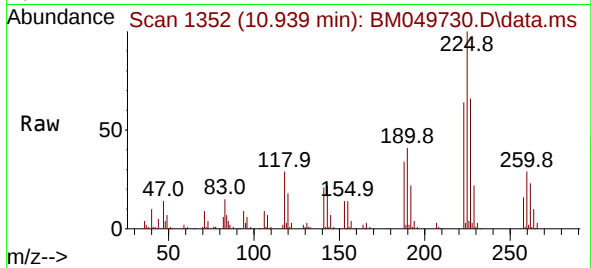
Tgt Ion:127 Resp: 118836
Ion Ratio Lower Upper
127 100
129 33.1 26.0 39.0



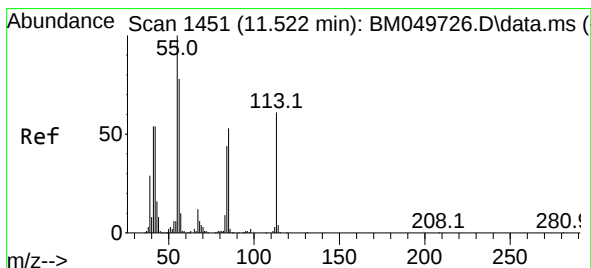
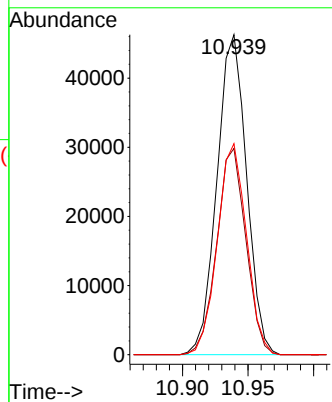
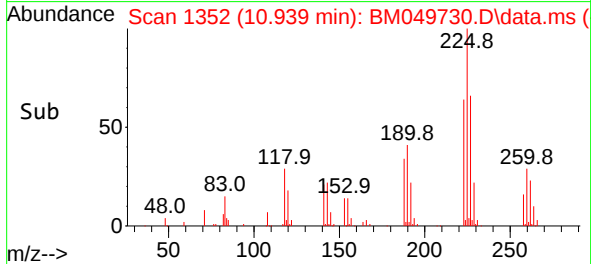


#33
Hexachlorobutadiene
Concen: 4.712 ng/ul
RT: 10.939 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

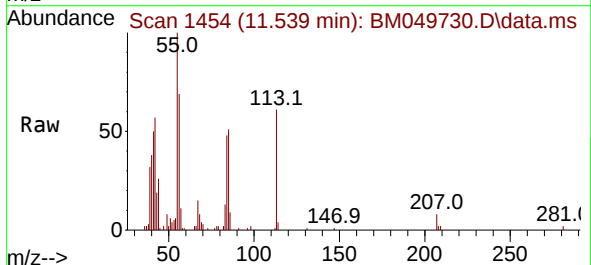
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



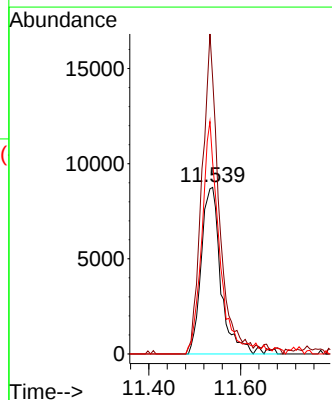
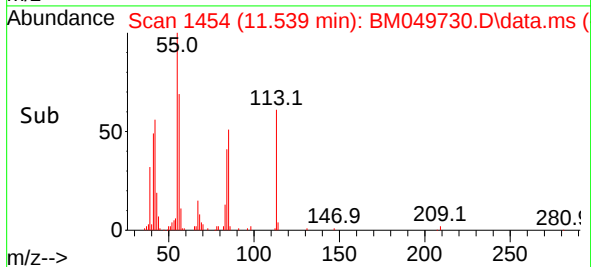
Tgt Ion:225 Resp: 72753
Ion Ratio Lower Upper
225 100
223 64.4 51.4 77.0
227 68.6 50.6 76.0

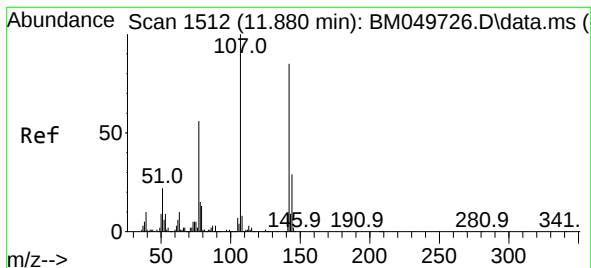


#34
Caprolactam
Concen: 4.303 ng/ul m
RT: 11.539 min Scan# 1454
Delta R.T. 0.018 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54



Tgt Ion:113 Resp: 26283
Ion Ratio Lower Upper
113 100
55 165.2 131.8 197.6
56 114.7 98.9 148.3

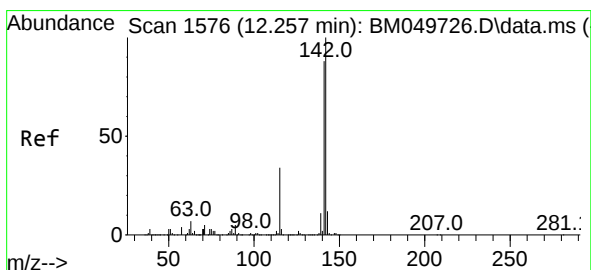
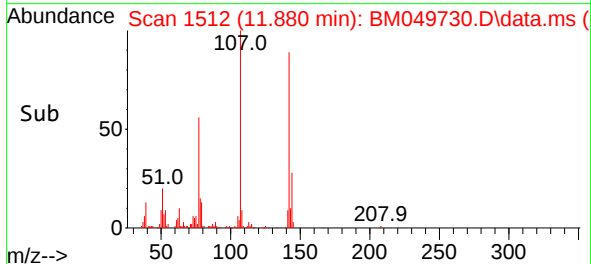
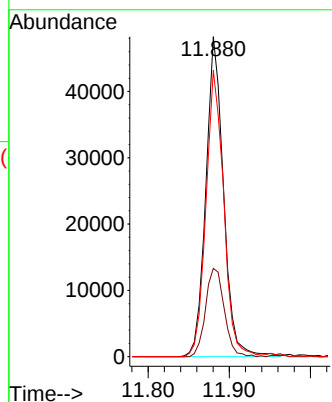
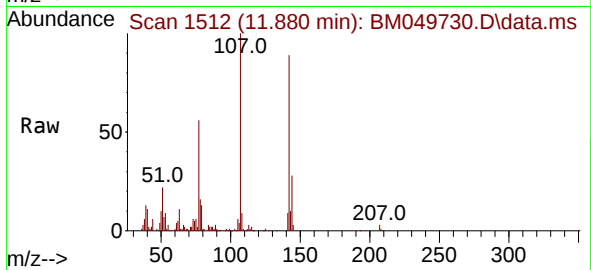




#35
4-Chloro-3-methylphenol
Concen: 3.780 ng/ul
RT: 11.880 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

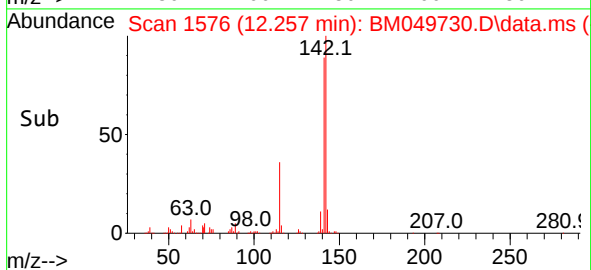
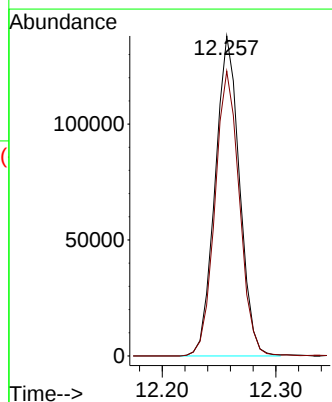
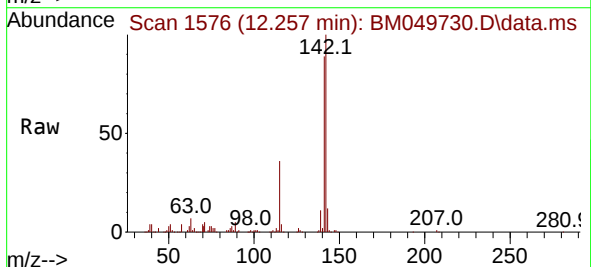
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

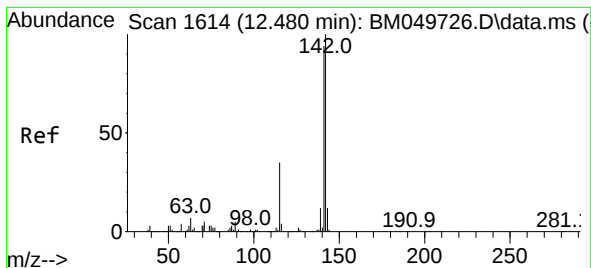
Tgt Ion:107 Resp: 73044
Ion Ratio Lower Upper
107 100
144 27.6 22.6 33.8
142 89.5 70.7 106.1



#36
2-Methylnaphthalene
Concen: 4.382 ng/ul
RT: 12.257 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:142 Resp: 206048
Ion Ratio Lower Upper
142 100
141 89.0 69.4 104.0





#37

1-Methylnaphthalene

Concen: 4.129 ng/ul

RT: 12.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

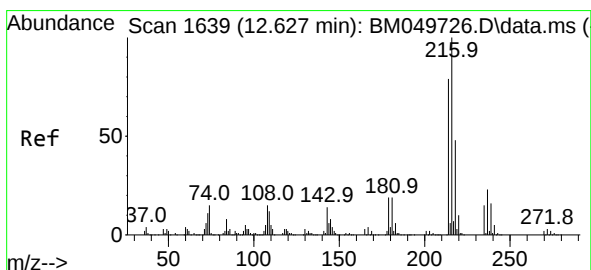
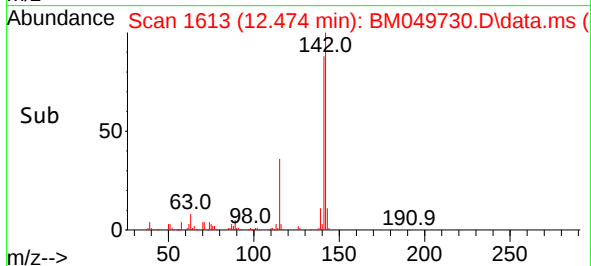
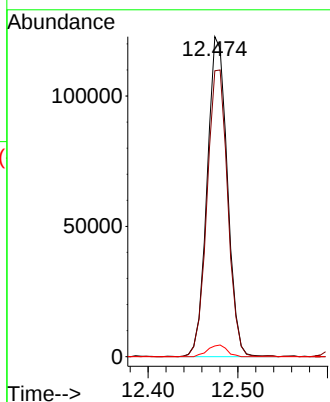
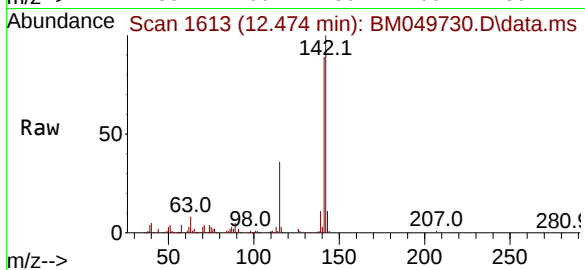
Tgt Ion:142 Resp: 191615

Ion Ratio Lower Upper

142 100

141 89.3 73.2 109.8

116 3.3 2.9 4.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.242 ng/ul

RT: 12.627 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Tgt Ion:216 Resp: 136230

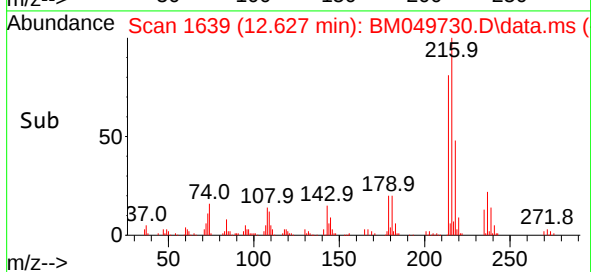
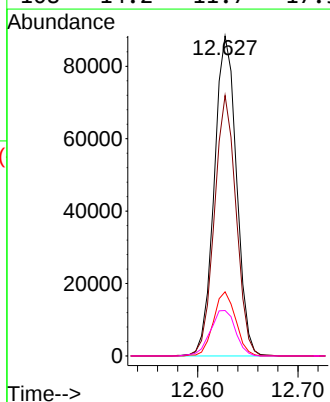
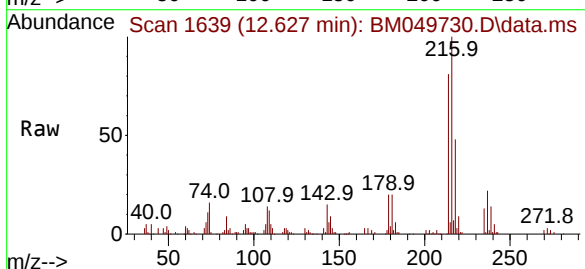
Ion Ratio Lower Upper

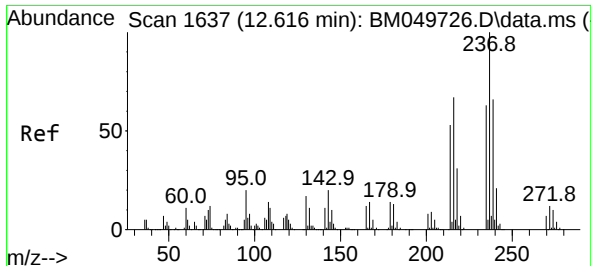
216 100

214 81.4 62.7 94.1

179 20.0 15.7 23.5

108 14.2 11.7 17.5

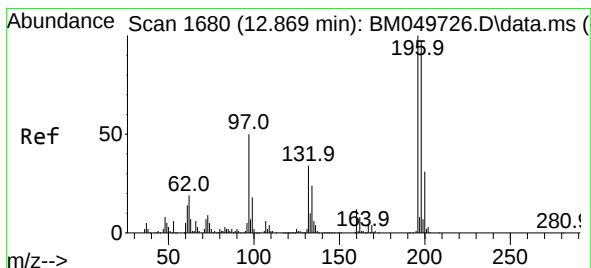
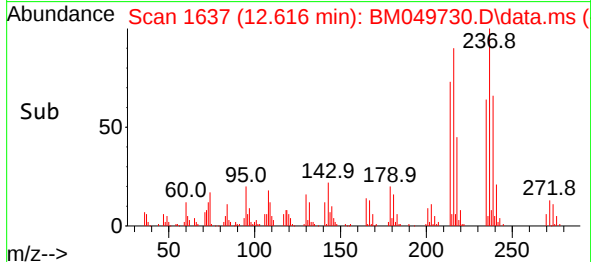
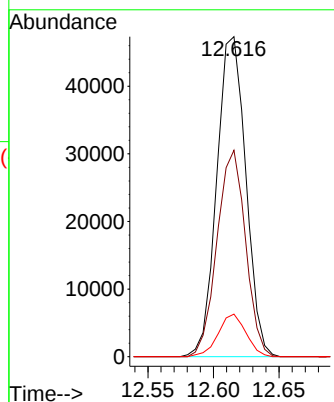
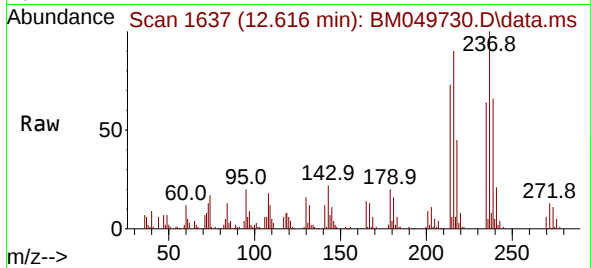




#40
Hexachlorocyclopentadiene
Concen: 3.785 ng/ul
RT: 12.616 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

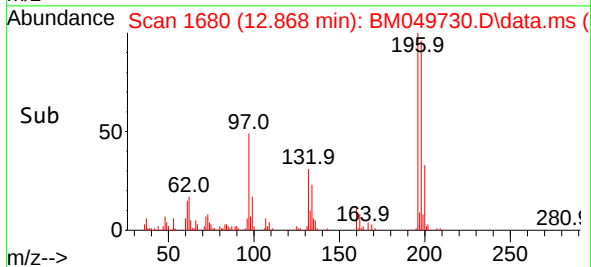
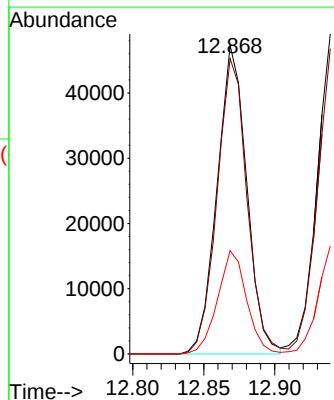
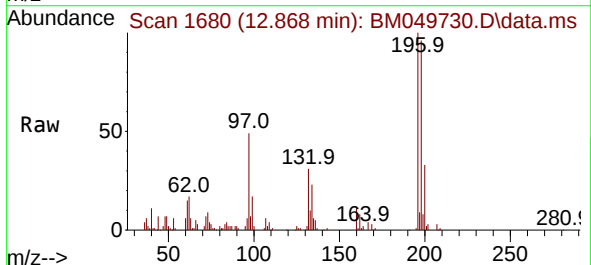
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

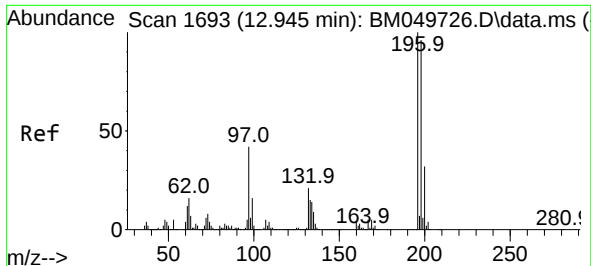
Tgt Ion:237 Resp: 72980
Ion Ratio Lower Upper
237 100
235 64.5 50.0 75.0
272 13.8 10.2 15.4



#41
2,4,6-Trichlorophenol
Concen: 3.678 ng/ul
RT: 12.868 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:196 Resp: 68794
Ion Ratio Lower Upper
196 100
198 95.7 76.4 114.6
200 33.5 24.5 36.7

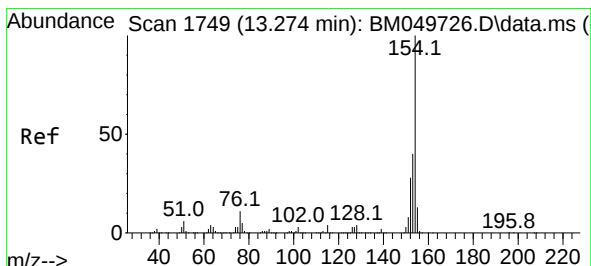
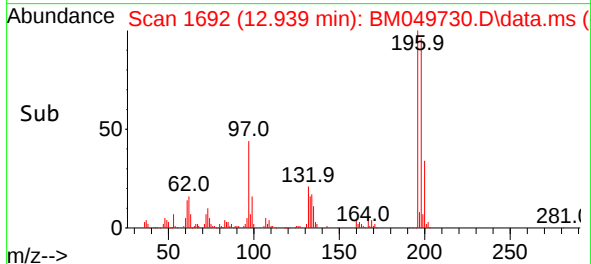
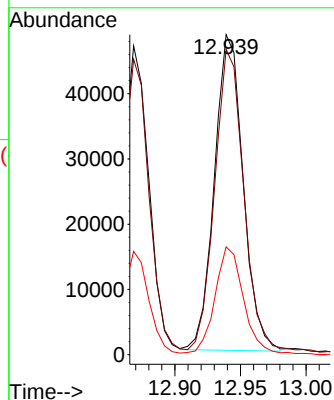
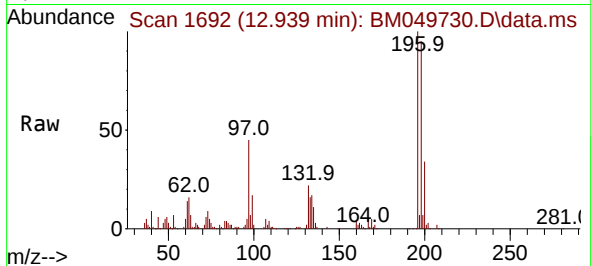




#42
2,4,5-Trichlorophenol
Concen: 3.670 ng/ul
RT: 12.939 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

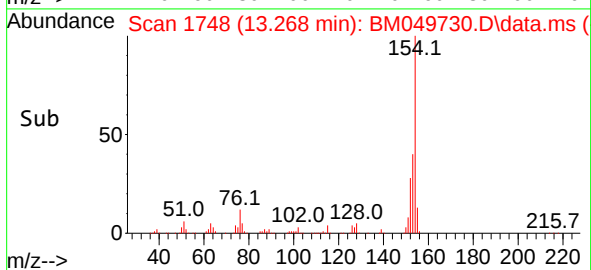
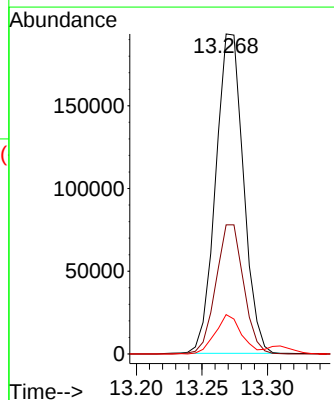
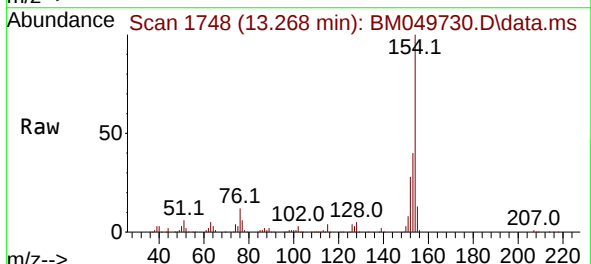
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

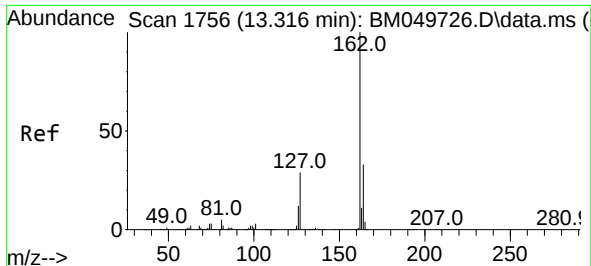
Tgt Ion:196 Resp: 73723
Ion Ratio Lower Upper
196 100
198 95.4 77.2 115.8
200 33.7 25.8 38.6



#43
1,1'-Biphenyl
Concen: 4.313 ng/ul
RT: 13.268 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:154 Resp: 283454
Ion Ratio Lower Upper
154 100
153 40.4 31.6 47.4
76 12.3 8.7 13.1

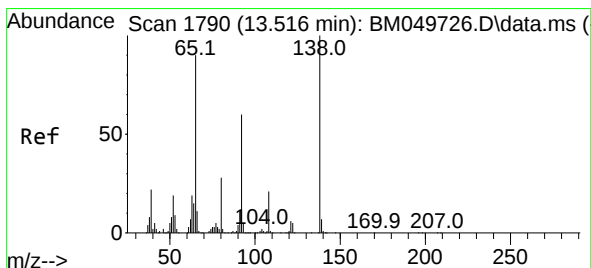
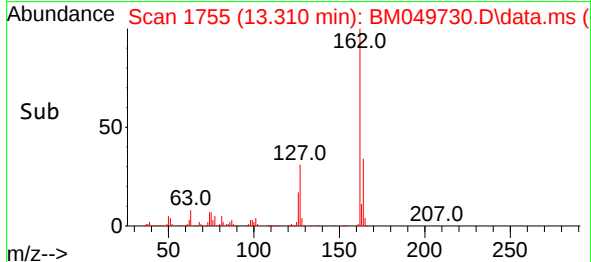
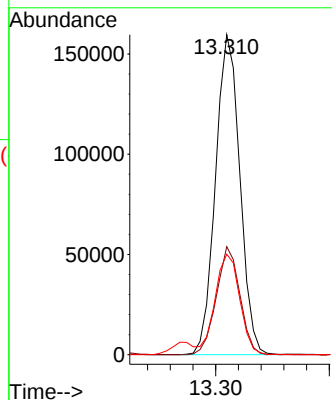
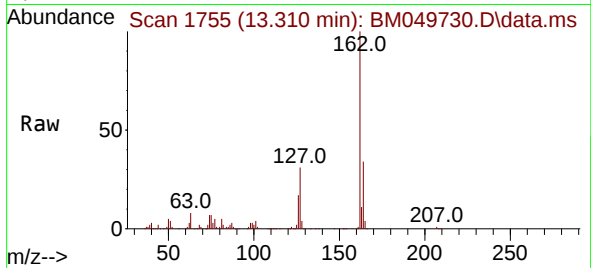




#44
2-Chloronaphthalene
Concen: 4.570 ng/ul
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

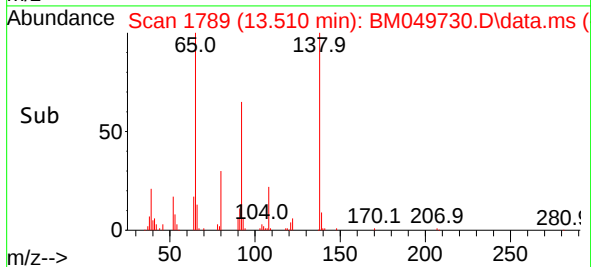
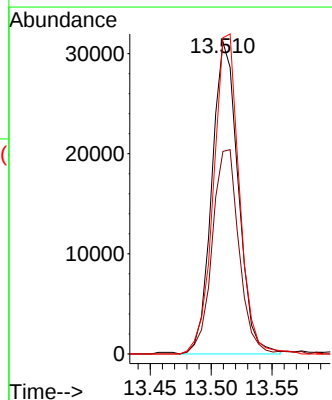
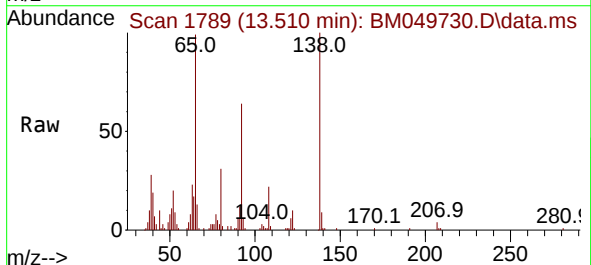
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

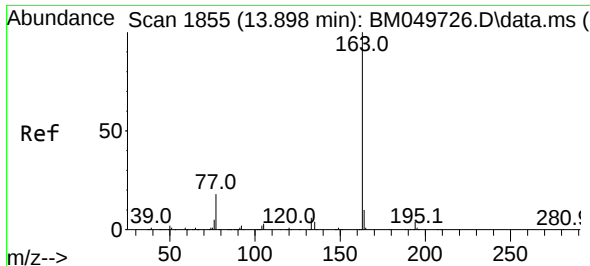
Tgt Ion:162 Resp: 237769
Ion Ratio Lower Upper
162 100
164 33.7 25.8 38.8
127 31.4 25.1 37.7



#45
2-Nitroaniline
Concen: 3.685 ng/ul
RT: 13.510 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion: 65 Resp: 46941
Ion Ratio Lower Upper
65 100
92 65.0 55.4 83.0
138 101.4 90.0 135.0

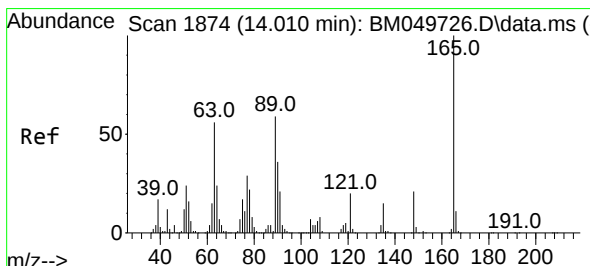
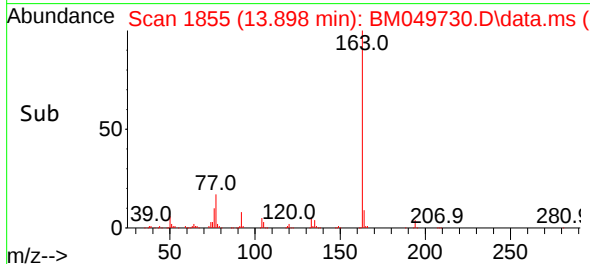
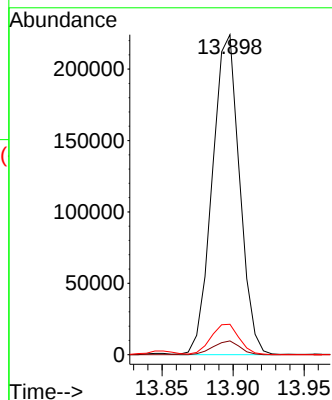
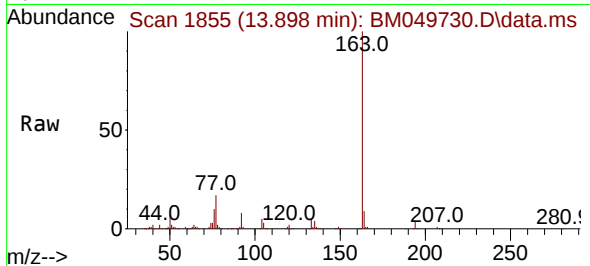




#47
Dimethylphthalate
Concen: 4.653 ng/ul
RT: 13.898 min Scan# 1855
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

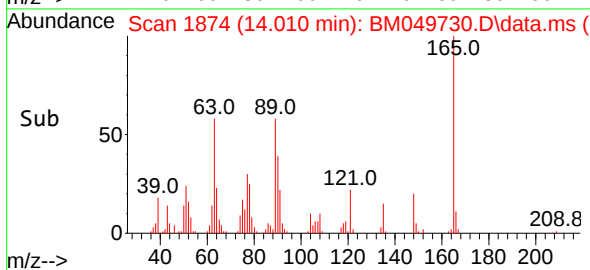
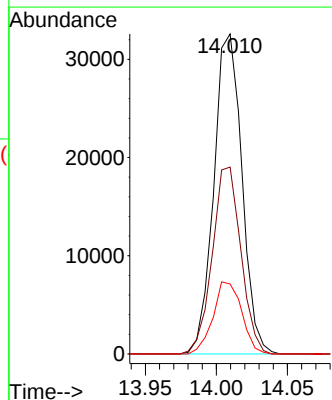
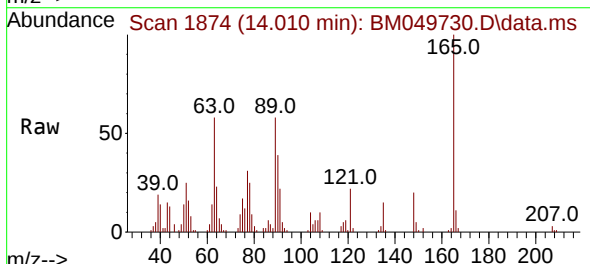
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

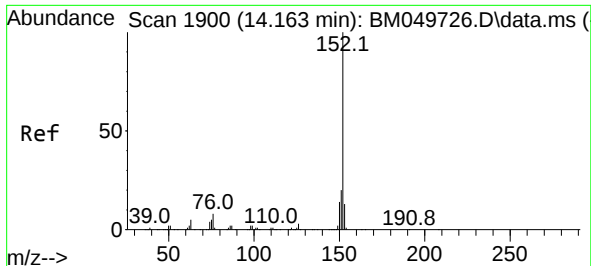
Tgt Ion:163 Resp: 299441
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 9.5 8.2 12.2



#48
2,6-Dinitrotoluene
Concen: 3.696 ng/ul
RT: 14.010 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:165 Resp: 44796
Ion Ratio Lower Upper
165 100
89 58.4 44.8 67.2
121 21.9 15.4 23.2

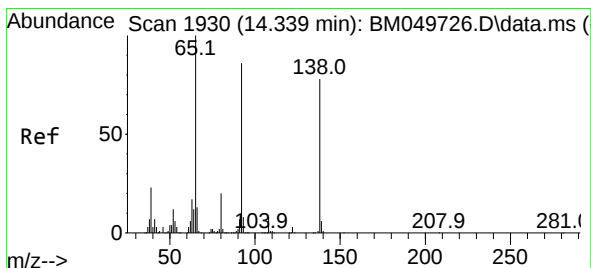
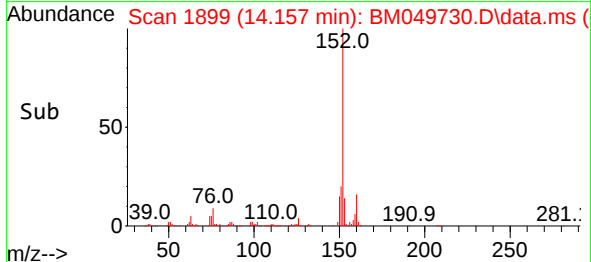
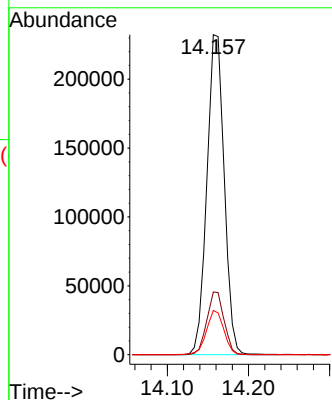
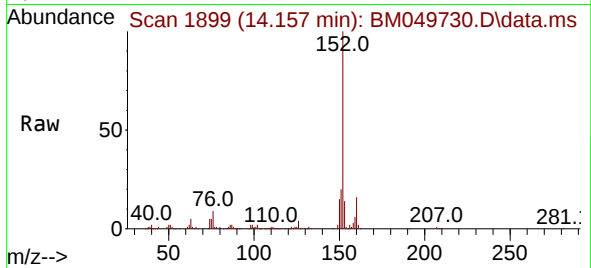




#50
Acenaphthylene
Concen: 4.443 ng/ul
RT: 14.157 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

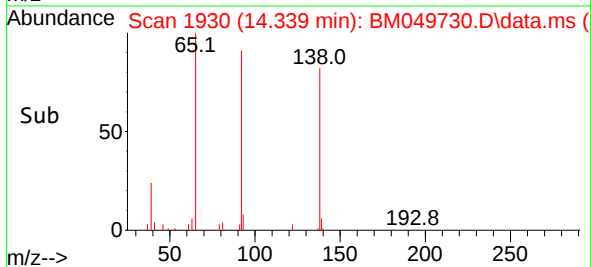
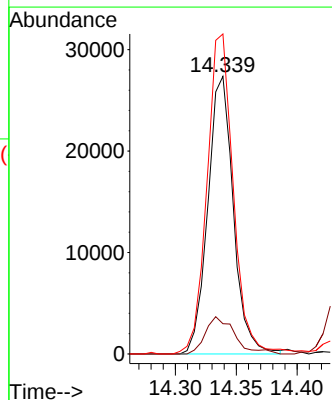
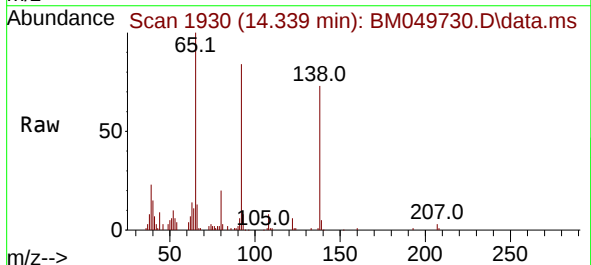
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

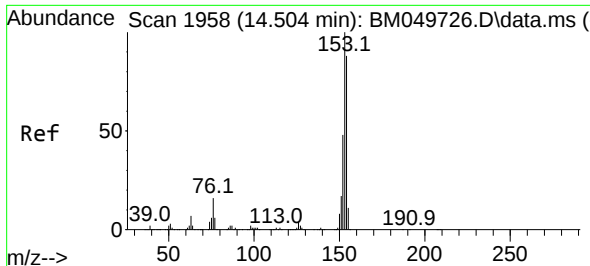
Tgt Ion:152 Resp: 344406
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.8 10.5 15.7



#51
3-Nitroaniline
Concen: 3.470 ng/ul
RT: 14.339 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:138 Resp: 40008
Ion Ratio Lower Upper
138 100
108 10.9 8.1 12.1
92 115.3 89.3 133.9

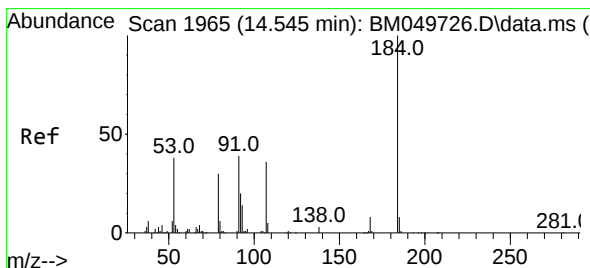
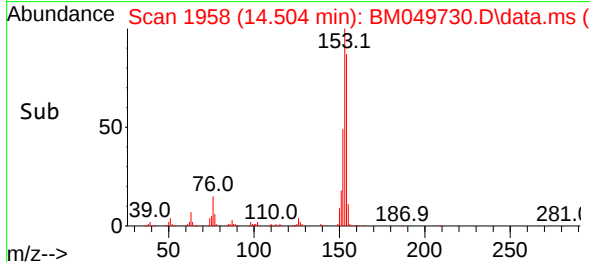
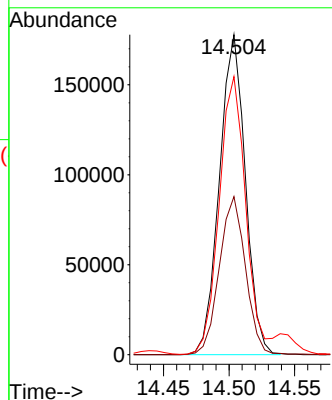
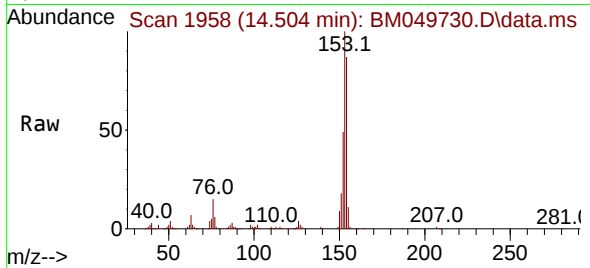




#52
Acenaphthene
Concen: 4.388 ng/ul
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

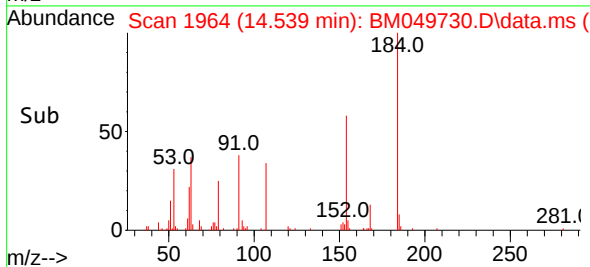
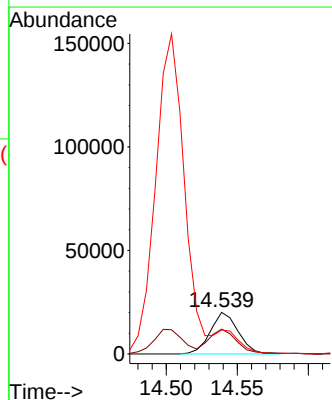
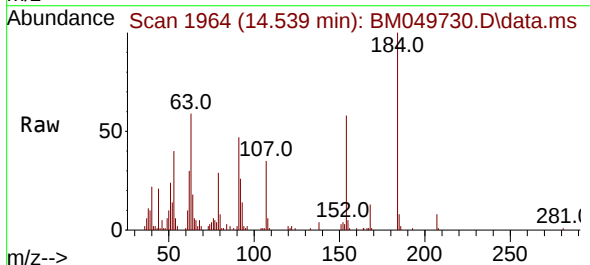
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

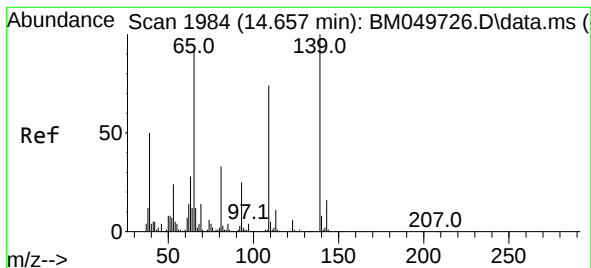
Tgt Ion:153 Resp: 244772
Ion Ratio Lower Upper
153 100
152 49.4 38.2 57.2
154 86.9 70.7 106.1



#53
2,4-Dinitrophenol
Concen: 3.712 ng/ul
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:184 Resp: 27522
Ion Ratio Lower Upper
184 100
63 59.4 44.2 66.4
154 57.7 48.1 72.1

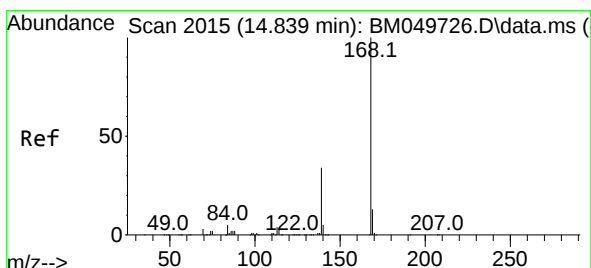
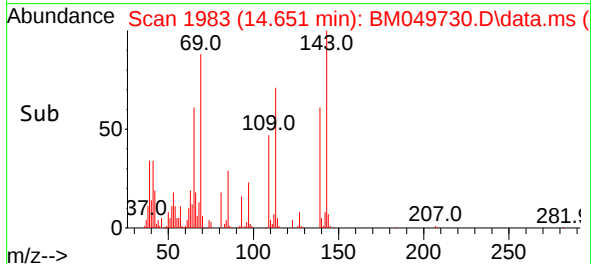
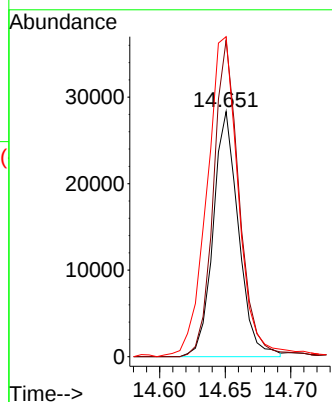
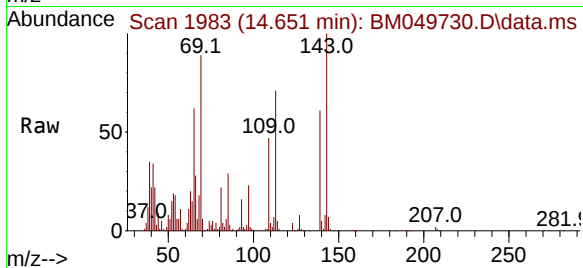




#55
4-Nitrophenol
Concen: 4.477 ng/ul
RT: 14.651 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

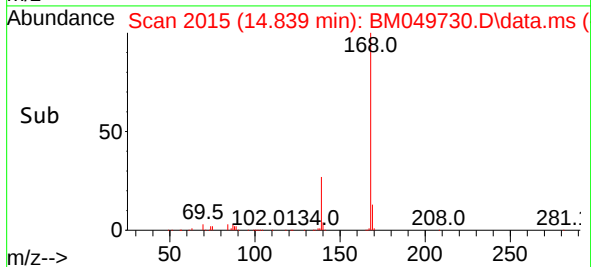
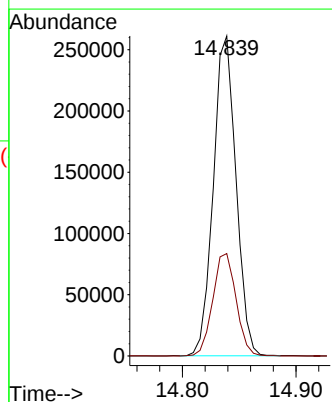
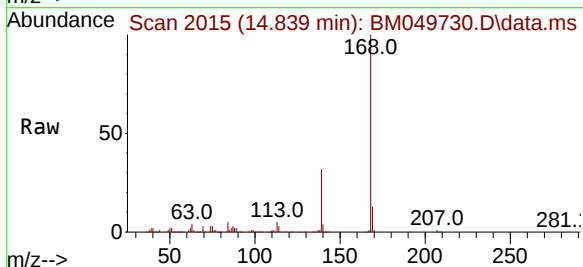
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT1-2025-01

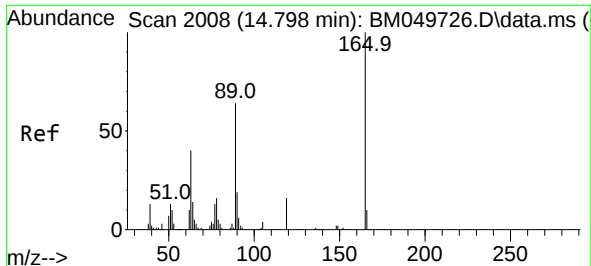
Tgt Ion:109 Resp: 37991
Ion Ratio Lower Upper
109 100
139 129.1 109.8 164.6
65 130.5 102.4 153.6



#56
Dibenzofuran
Concen: 4.607 ng/ul
RT: 14.839 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:168 Resp: 362201
Ion Ratio Lower Upper
168 100
139 32.0 27.5 41.3

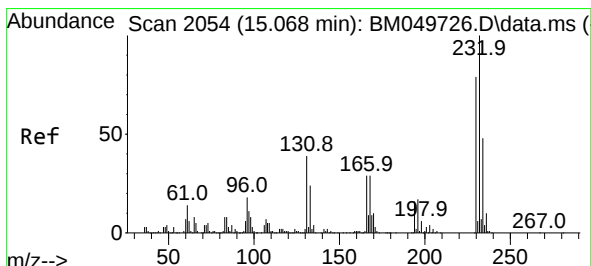
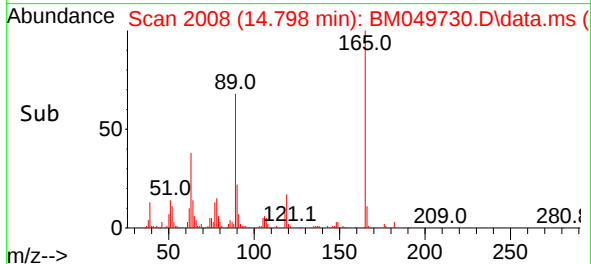
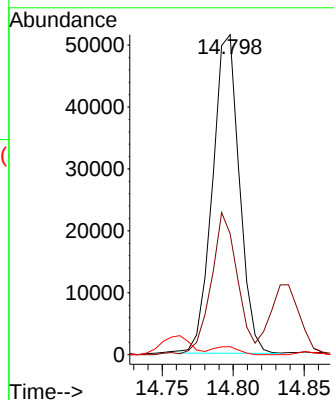
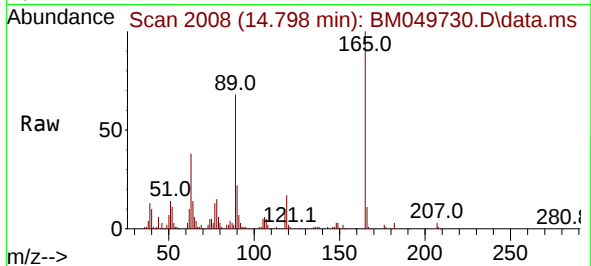




#57
2,4-Dinitrotoluene
Concen: 3.850 ng/ul
RT: 14.798 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

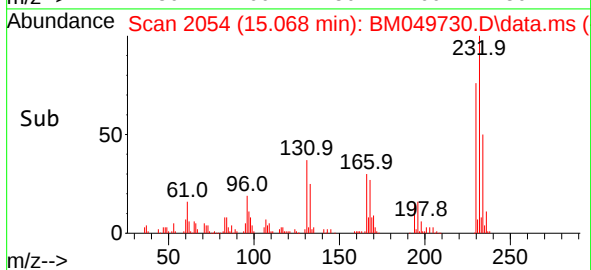
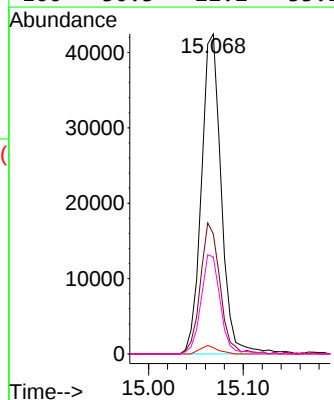
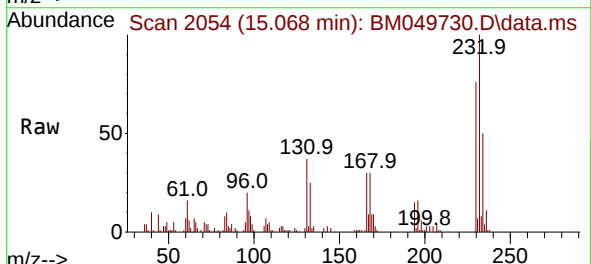
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

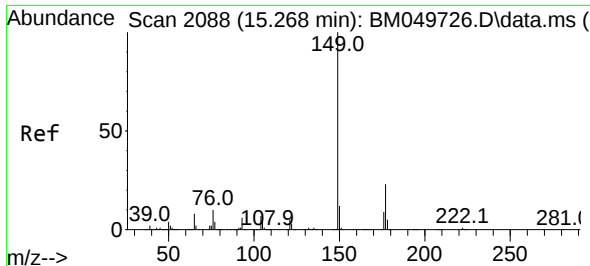
Tgt Ion:165 Resp: 67448
Ion Ratio Lower Upper
165 100
63 37.8 31.3 46.9
182 2.5 1.9 2.9



#58
2,3,4,6-Tetrachlorophenol
Concen: 3.727 ng/ul
RT: 15.068 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:232 Resp: 61626
Ion Ratio Lower Upper
232 100
131 37.5 27.6 41.4
130 2.0 1.4 2.2
166 30.3 22.2 33.2

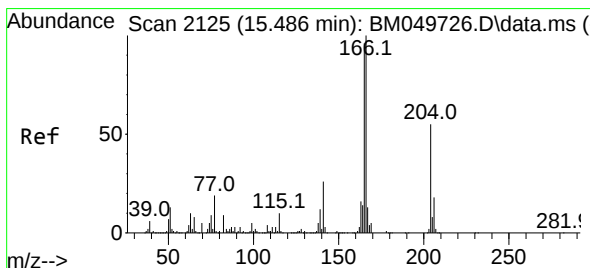
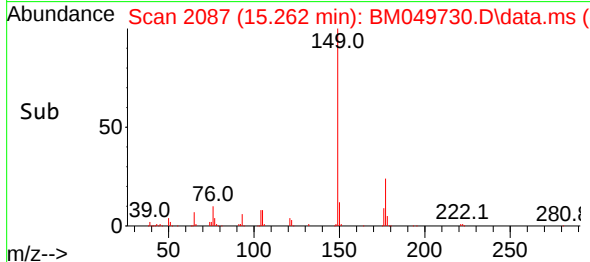
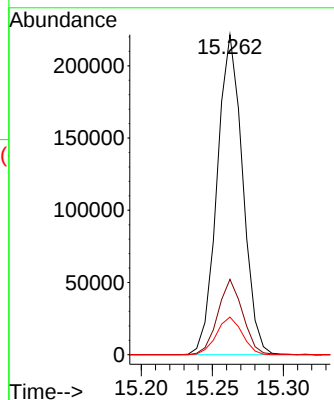
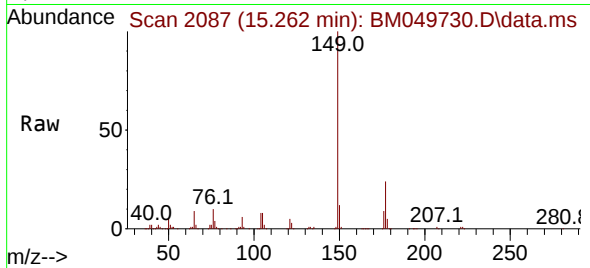




#59
Diethylphthalate
Concen: 4.468 ng/ul
RT: 15.262 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

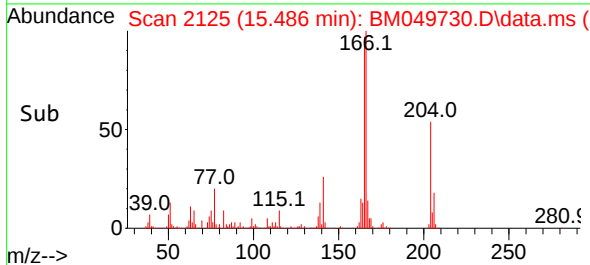
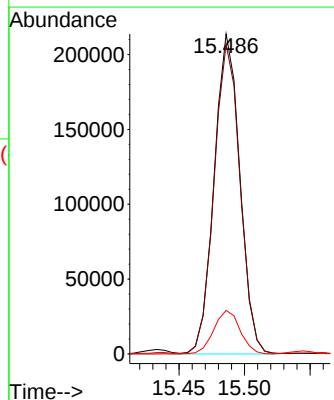
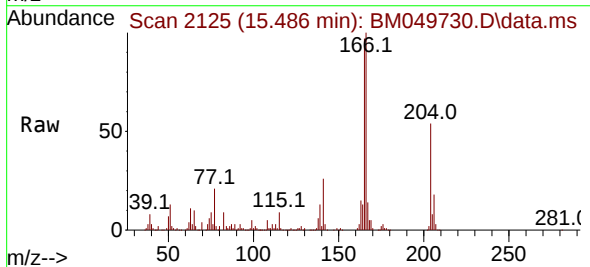
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

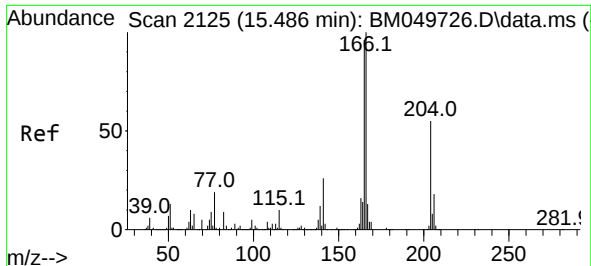
Tgt Ion:149 Resp: 276692
Ion Ratio Lower Upper
149 100
177 23.5 18.6 27.8
150 11.7 9.7 14.5



#61
Fluorene
Concen: 4.270 ng/ul
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:166 Resp: 291148
Ion Ratio Lower Upper
166 100
165 96.8 78.1 117.1
167 13.6 10.7 16.1

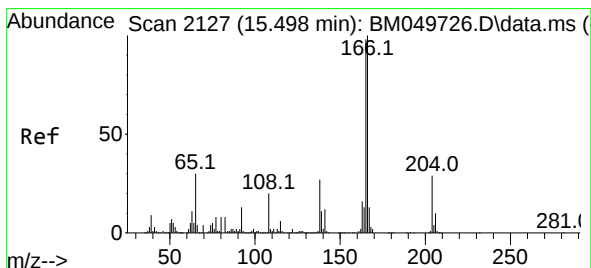
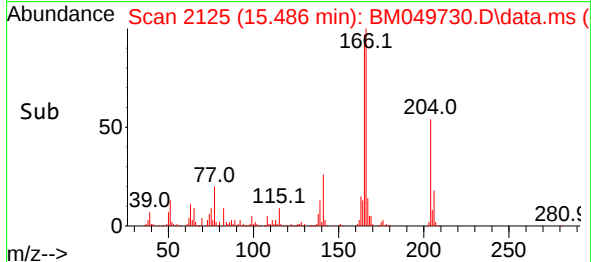
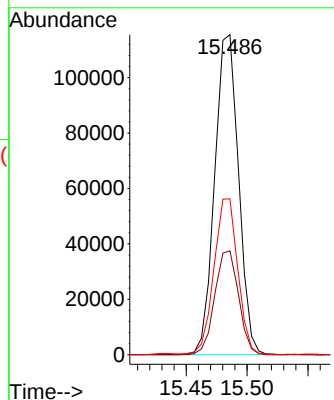
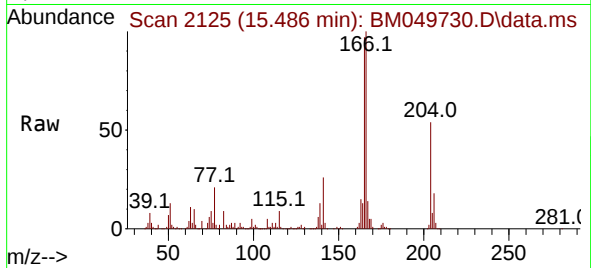




#62
4-Chlorophenyl-phenylether
Concen: 4.171 ng/ul
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

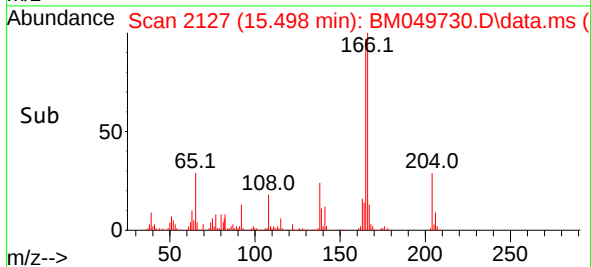
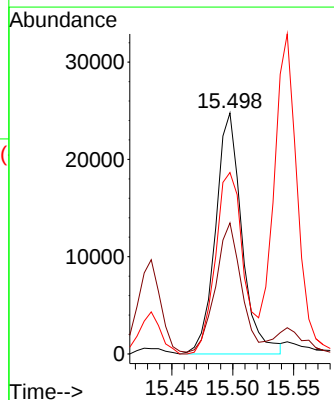
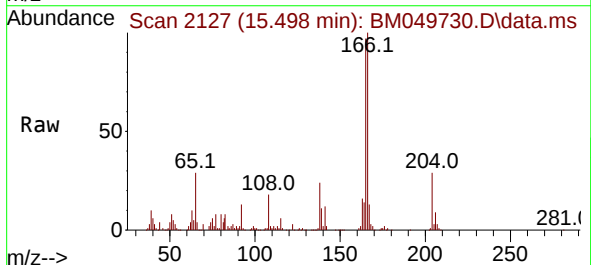
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

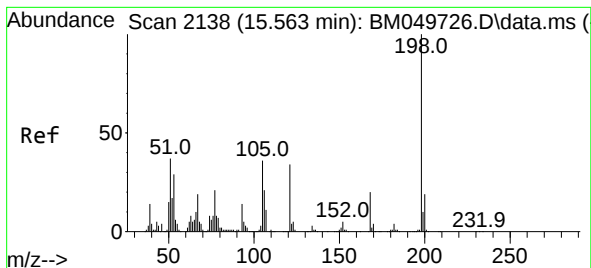
Tgt Ion:204 Resp: 157594
Ion Ratio Lower Upper
204 100
206 32.5 26.2 39.4
141 48.7 37.0 55.4



#63
4-Nitroaniline
Concen: 3.421 ng/ul
RT: 15.498 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:138 Resp: 37308
Ion Ratio Lower Upper
138 100
92 54.4 40.2 60.2
108 75.3 63.6 95.4

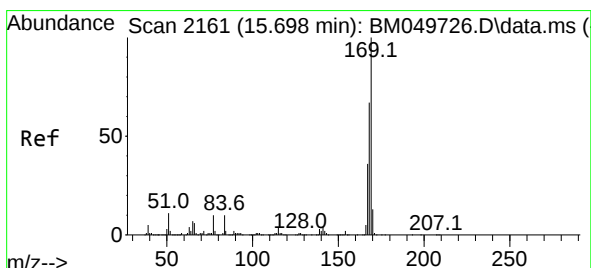
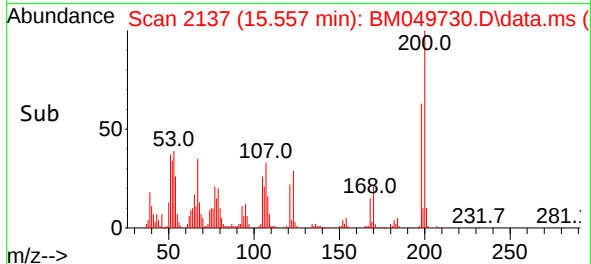
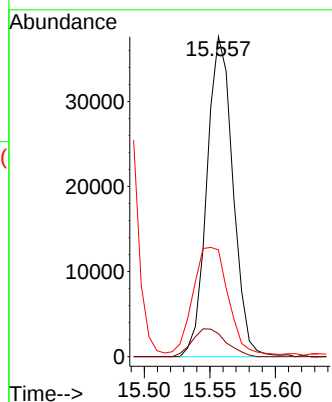
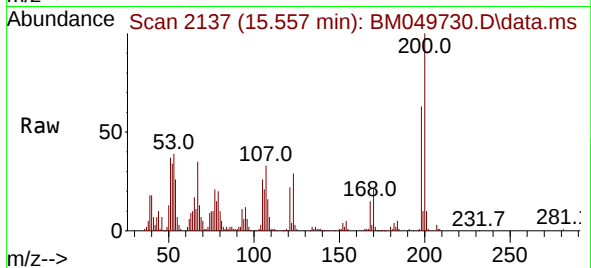




#66
4,6-Dinitro-2-methylphenol
Concen: 4.017 ng/ul
RT: 15.557 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

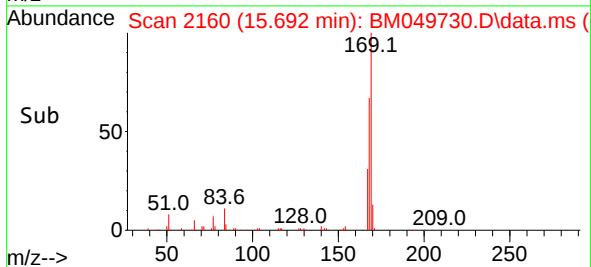
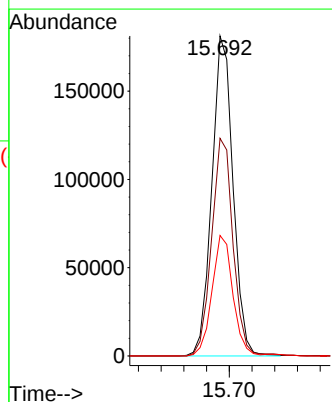
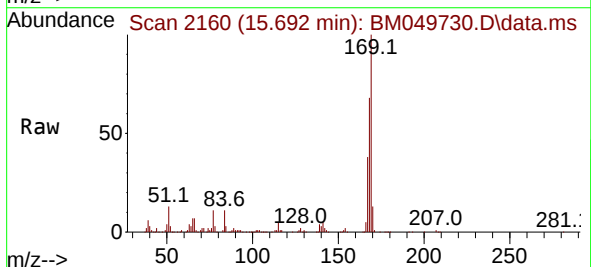
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

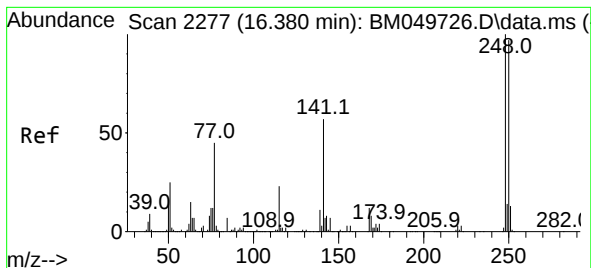
Tgt Ion:198 Resp: 51995
Ion Ratio Lower Upper
198 100
182 7.2 3.4 5.0#
77 33.4 16.2 24.4#



#67
N-Nitrosodiphenylamine
Concen: 4.144 ng/ul
RT: 15.692 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:169 Resp: 233934
Ion Ratio Lower Upper
169 100
168 68.0 53.5 80.3
167 37.7 29.8 44.6

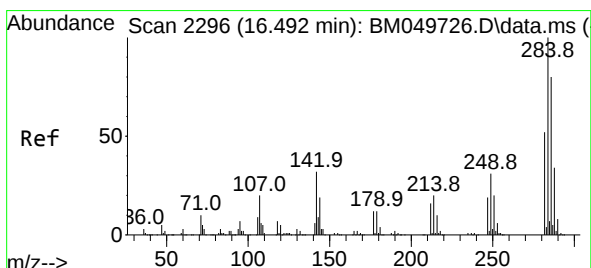
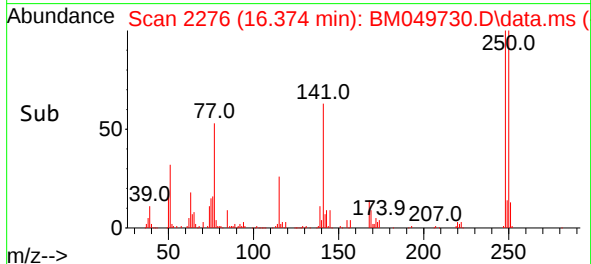
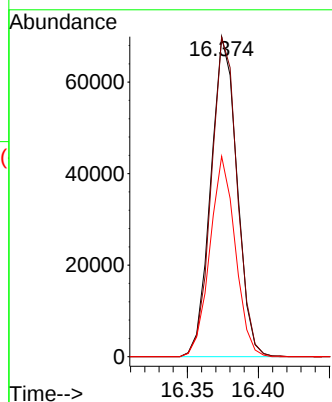
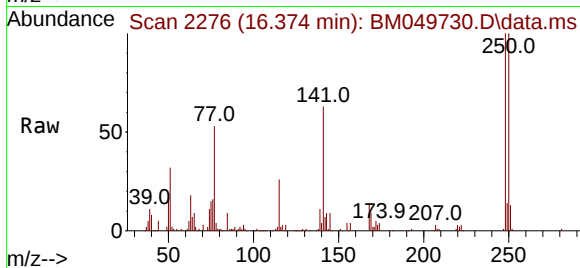




#68
4-Bromophenyl-phenylether
Concen: 4.022 ng/ul
RT: 16.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

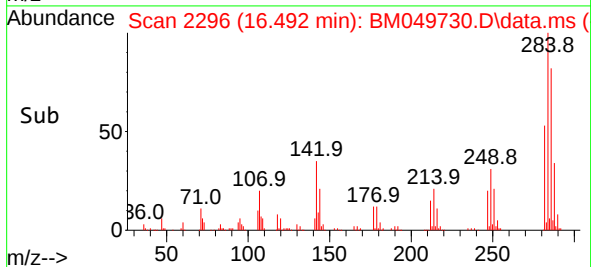
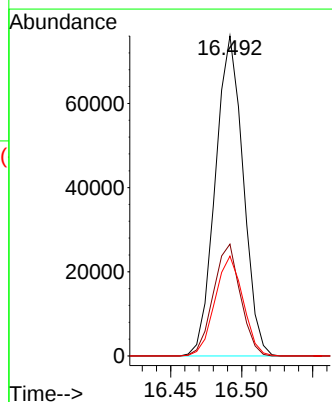
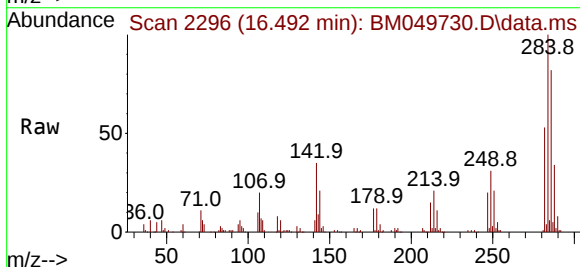
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

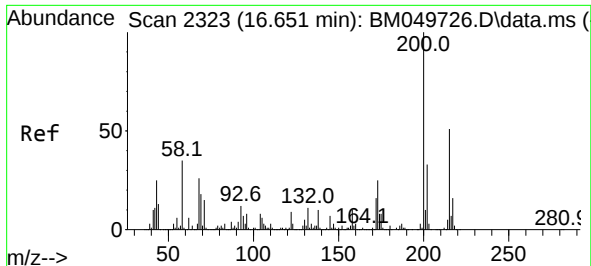
Tgt Ion:	248	Resp:	89455
Ion Ratio	Lower	Upper	
248	100		
250	99.8	75.9	113.9
141	62.6	49.0	73.6



#69
Hexachlorobenzene
Concen: 4.129 ng/ul
RT: 16.492 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:	284	Resp:	103671
Ion Ratio	Lower	Upper	
284	100		
142	35.0	25.8	38.8
249	31.2	24.4	36.6

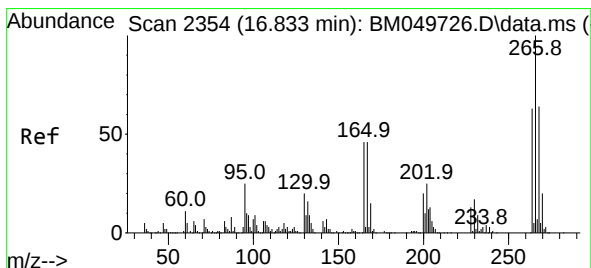
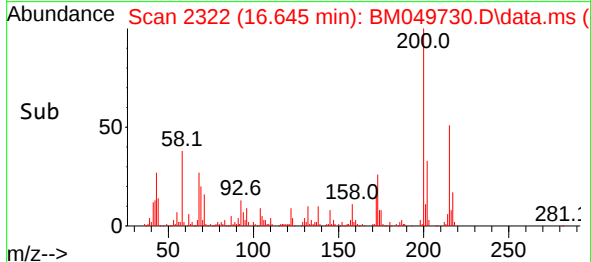
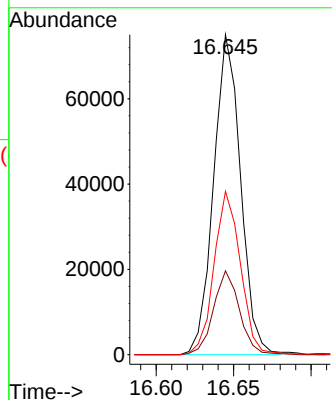
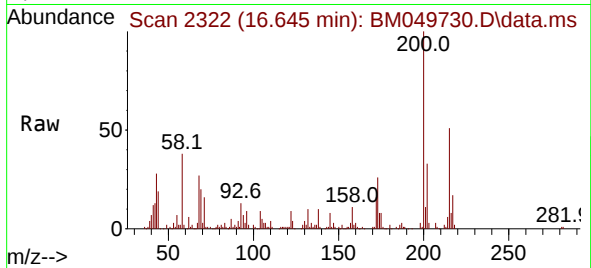




#70
Atrazine
Concen: 4.175 ng/ul
RT: 16.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

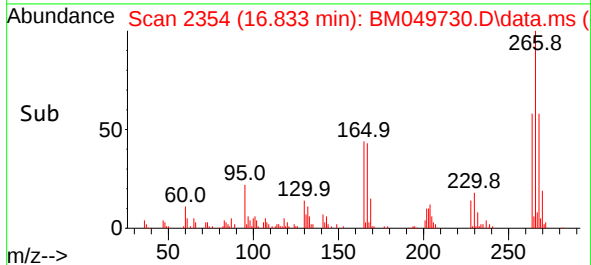
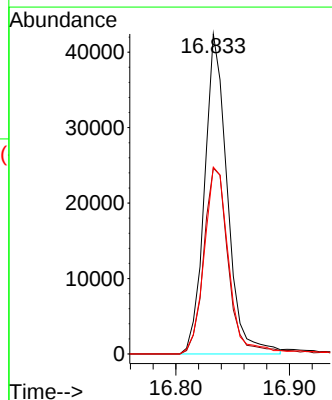
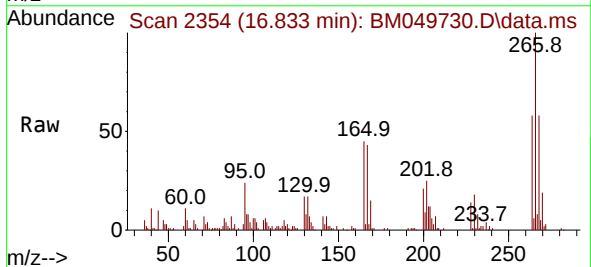
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

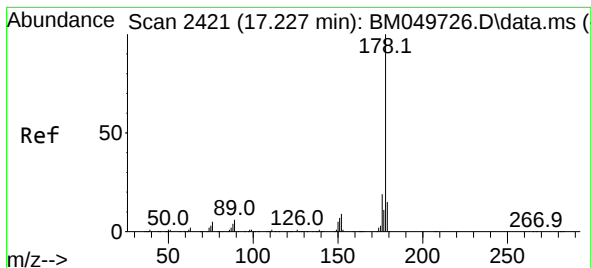
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.2	19.6	29.4
215	51.1	40.2	60.2



#71
Pentachlorophenol
Concen: 3.654 ng/ul
RT: 16.833 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion	Ratio	Lower	Upper
266	100		
264	58.1	48.5	72.7
268	58.4	50.2	75.2





#72

Phenanthrene

Concen: 4.245 ng/u1

RT: 17.221 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

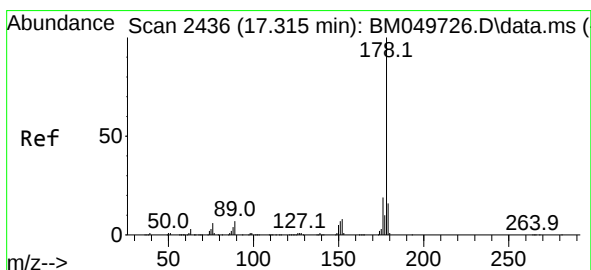
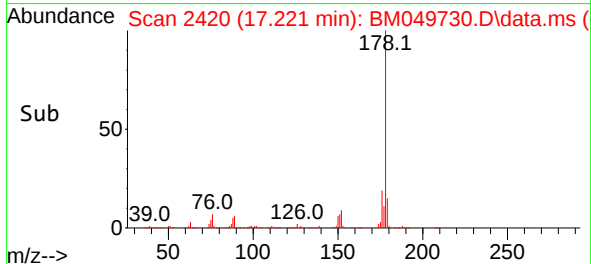
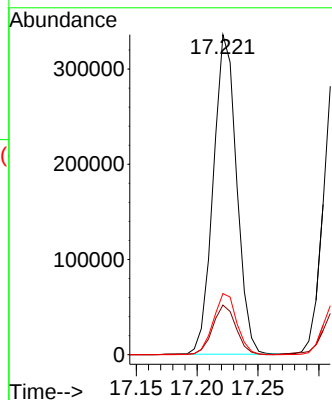
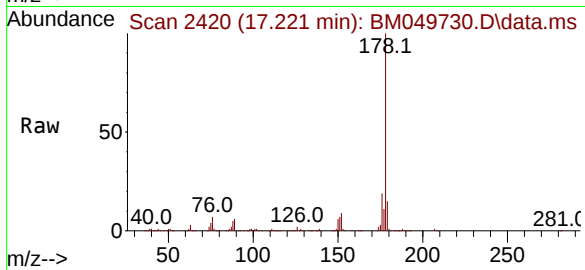
Tgt Ion:178 Resp: 446908

Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

176 19.1 15.7 23.5



#74

Anthracene

Concen: 4.147 ng/u1

RT: 17.315 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

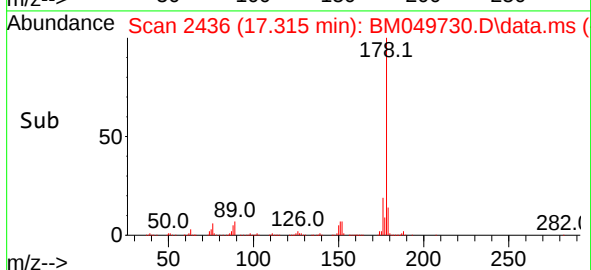
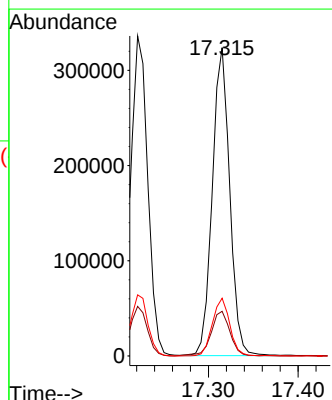
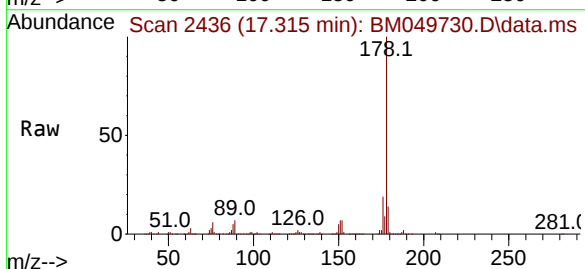
Tgt Ion:178 Resp: 436529

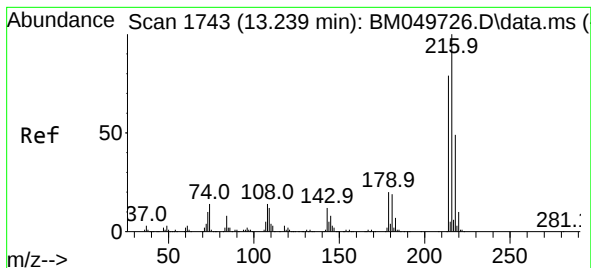
Ion Ratio Lower Upper

178 100

179 14.5 12.3 18.5

176 18.8 14.9 22.3





#75

1,2,3,4-Tetrachlorobenzene

Concen: 3.970 ng/uL

RT: 13.239 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

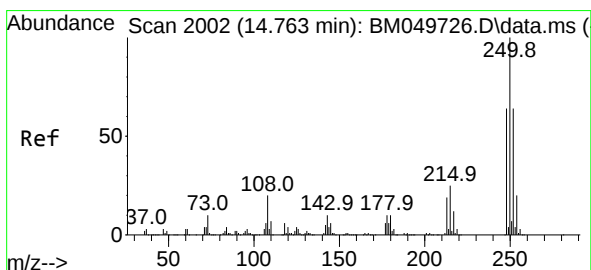
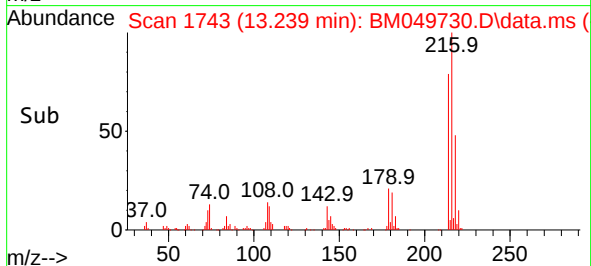
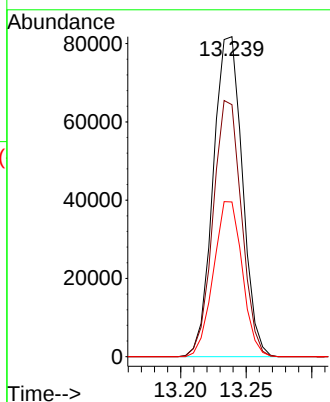
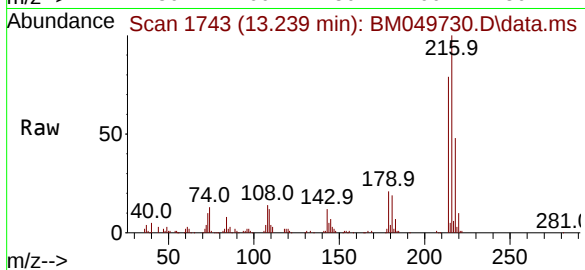
Tgt Ion:216 Resp: 126380

Ion Ratio Lower Upper

216 100

214 78.8 62.4 93.6

218 48.4 38.6 57.8



#76

Pentachlorobenzene

Concen: 3.831 ng/uL

RT: 14.757 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

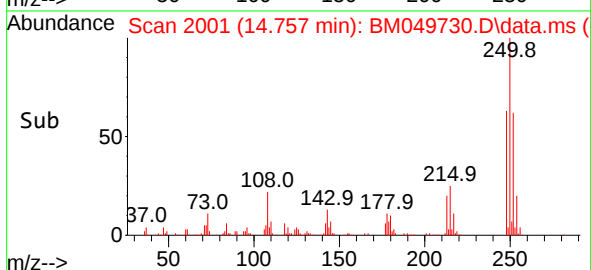
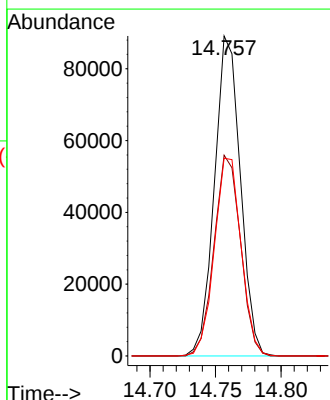
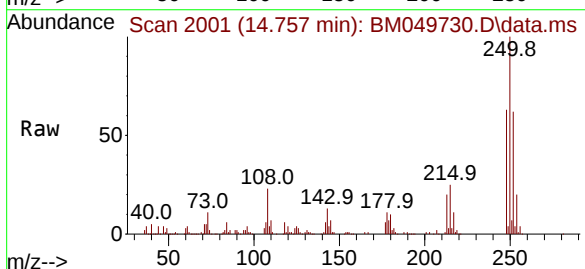
Tgt Ion:250 Resp: 122397

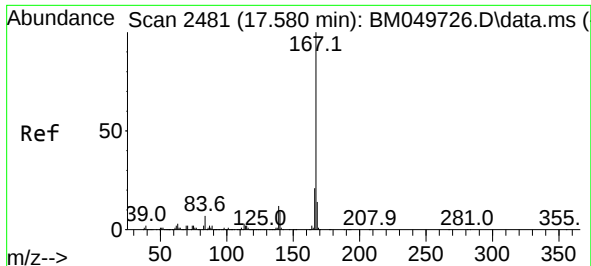
Ion Ratio Lower Upper

250 100

248 62.8 50.6 75.8

252 61.8 51.1 76.7

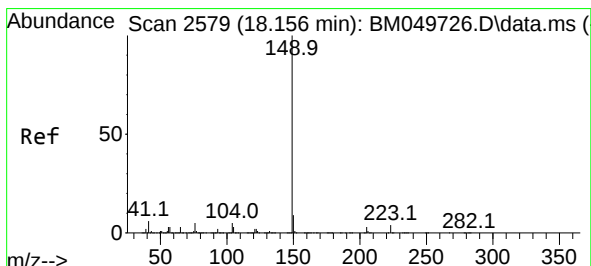
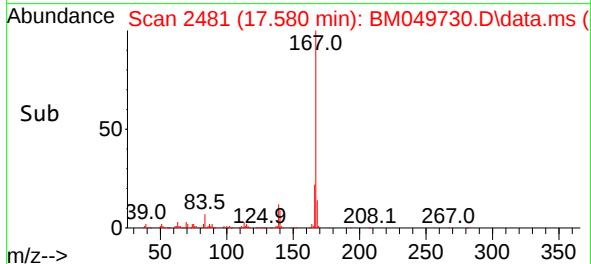
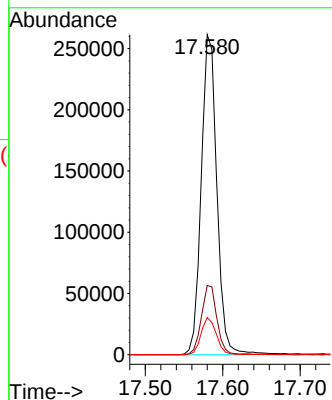
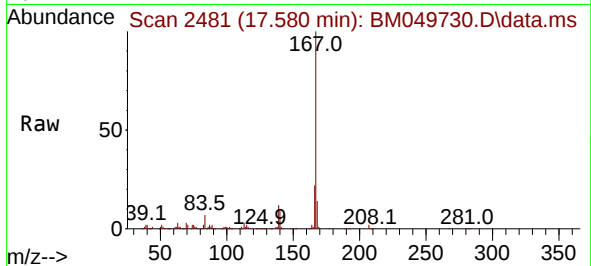




#77
 Carbazole
 Concen: 4.056 ng/ul
 RT: 17.580 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BM049730.D
 Acq: 20 Mar 2025 11:54

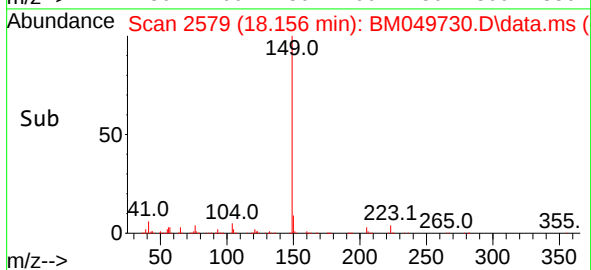
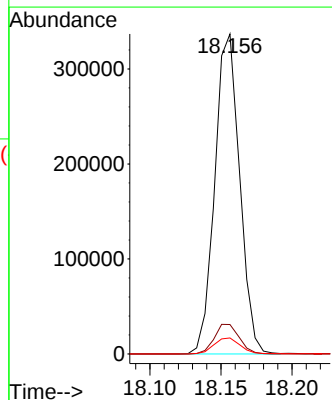
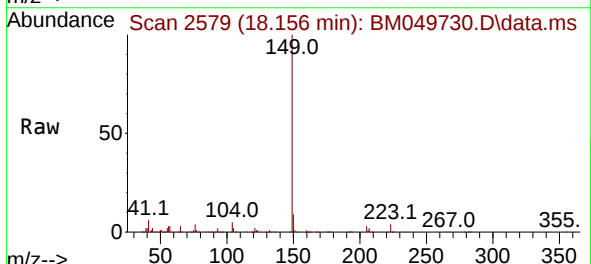
Instrument : BNA_M
 ClientSampleId : MDL-WATER-QT1-2025-01

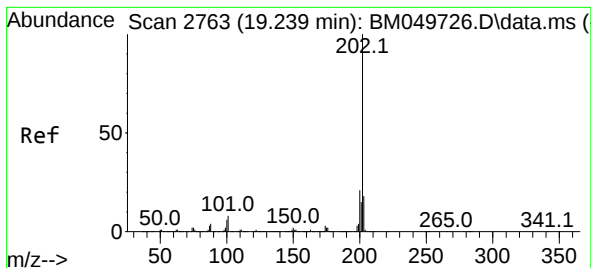
Tgt Ion:167 Resp: 366341
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.9 25.3
 139 11.6 9.6 14.4



#78
 Di-n-butylphthalate
 Concen: 3.922 ng/ul
 RT: 18.156 min Scan# 2579
 Delta R.T. -0.000 min
 Lab File: BM049730.D
 Acq: 20 Mar 2025 11:54

Tgt Ion:149 Resp: 410083
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.0 3.9 5.9





#80

Fluoranthene

Concen: 4.555 ng/ul

RT: 19.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

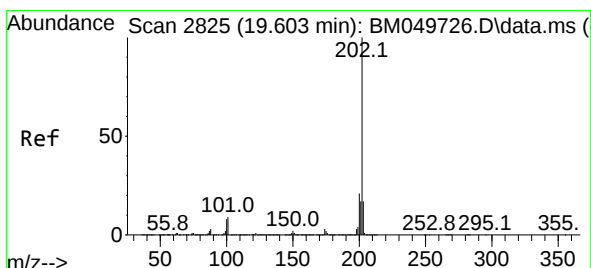
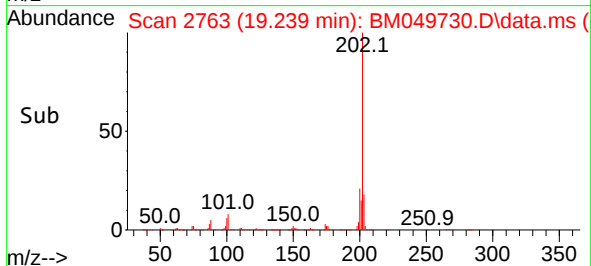
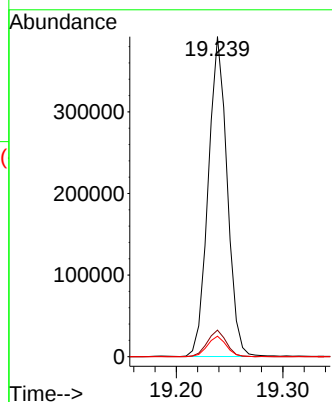
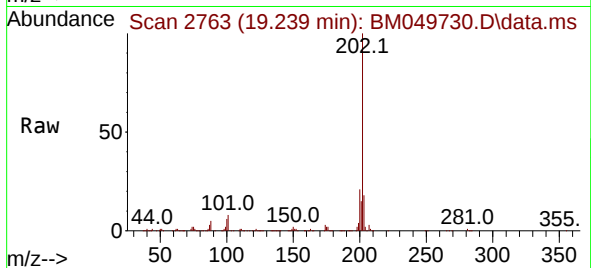
Tgt Ion:202 Resp: 484722

Ion Ratio Lower Upper

202 100

101 8.3 6.6 10.0

100 6.4 5.0 7.6



#82

Pyrene

Concen: 4.743 ng/ul

RT: 19.603 min Scan# 2825

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

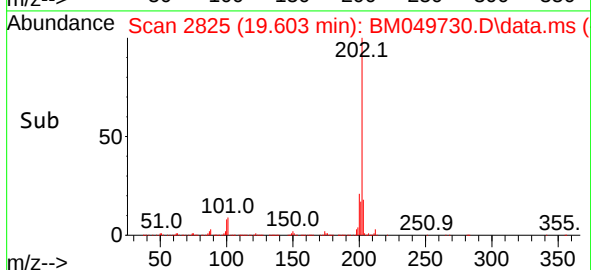
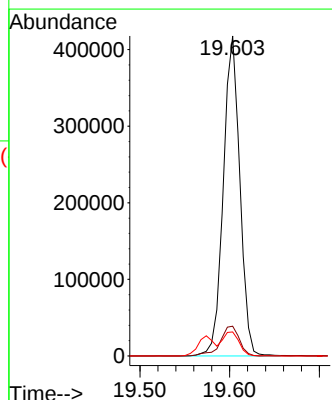
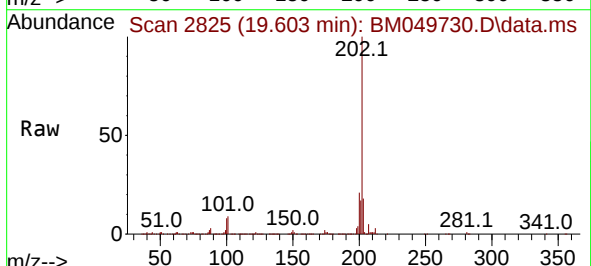
Tgt Ion:202 Resp: 535503

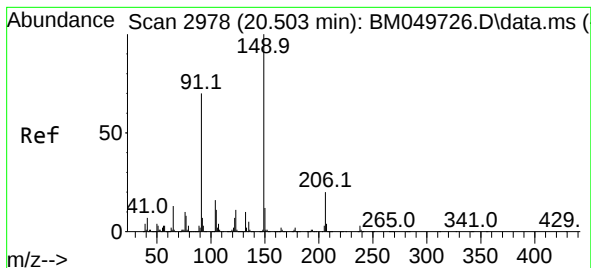
Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.2

100 7.5 6.1 9.1





#83

Butylbenzylphthalate

Concen: 3.706 ng/ul

RT: 20.509 min Scan# 2978

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

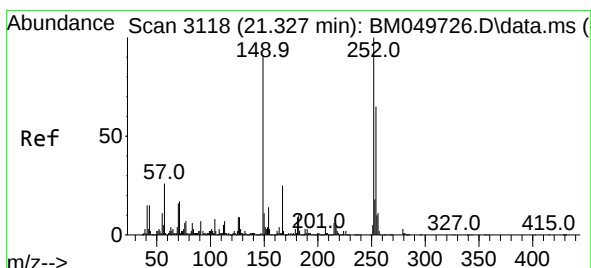
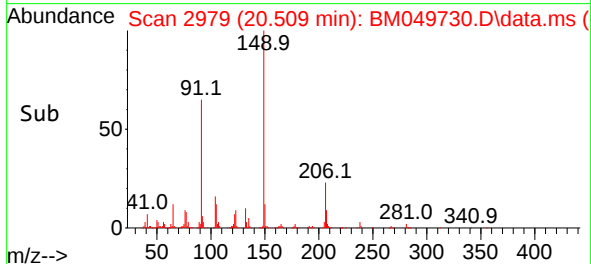
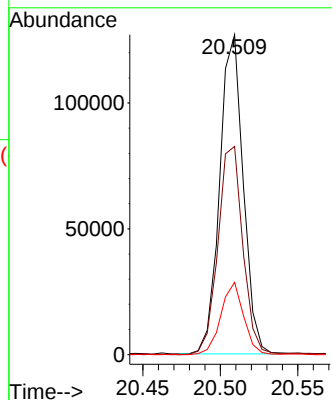
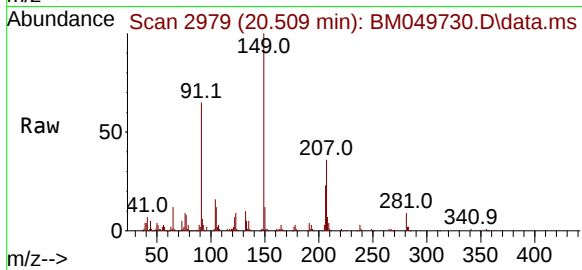
Tgt Ion:149 Resp: 133813

Ion Ratio Lower Upper

149 100

91 65.1 53.4 80.2

206 22.6 17.0 25.6



#84

3,3'-Dichlorobenzidine

Concen: 3.395 ng/ul

RT: 21.327 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

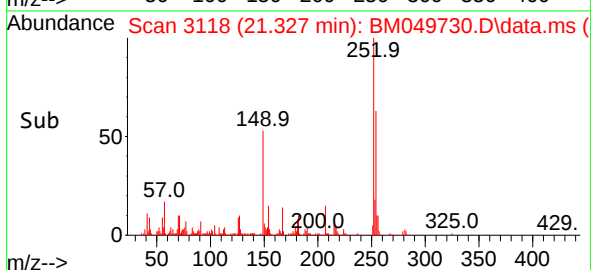
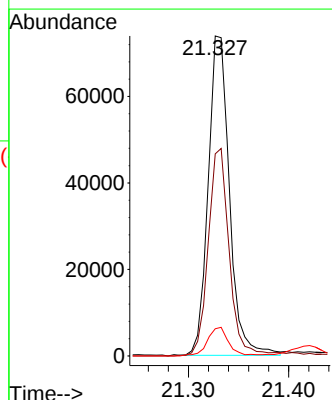
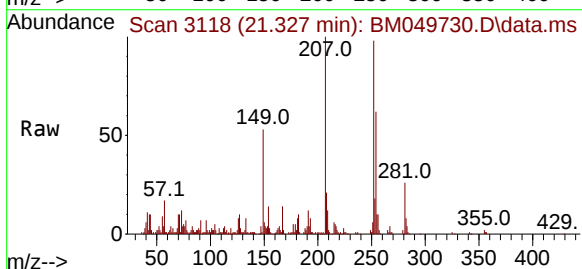
Tgt Ion:252 Resp: 108820

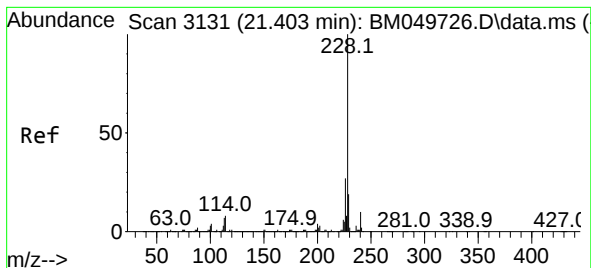
Ion Ratio Lower Upper

252 100

254 63.1 51.8 77.6

126 8.5 6.4 9.6





#85

Benzo(a)anthracene

Concen: 4.487 ng/ul

RT: 21.409 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

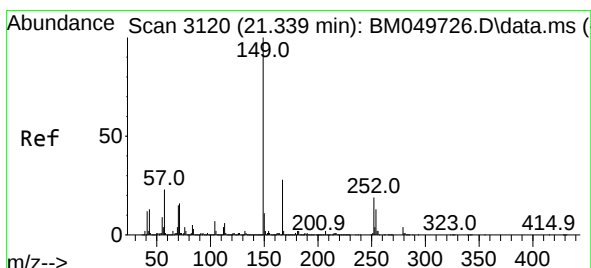
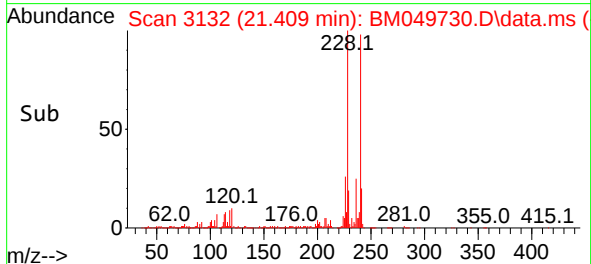
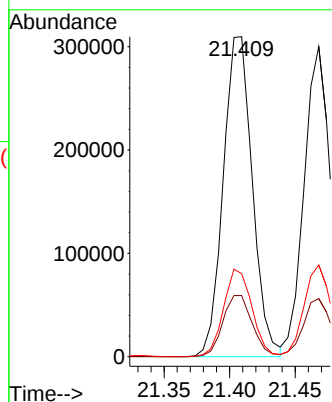
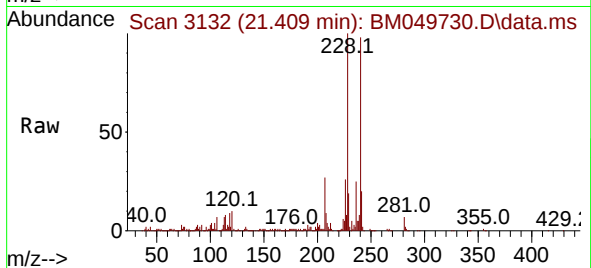
Tgt Ion:228 Resp: 478397

Ion Ratio Lower Upper

228 100

229 19.1 15.8 23.6

226 25.9 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.664 ng/ul

RT: 21.339 min Scan# 3120

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

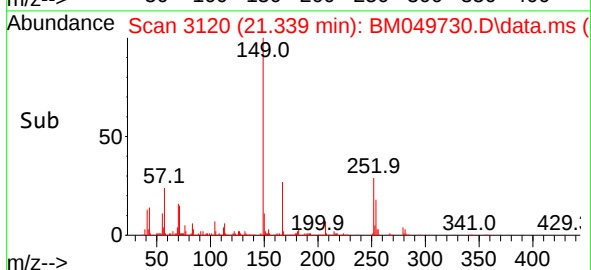
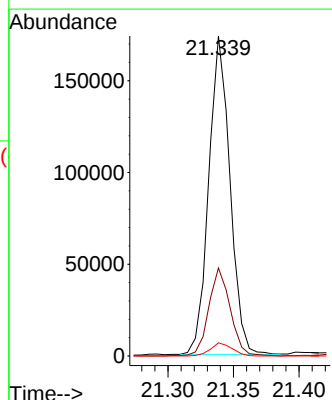
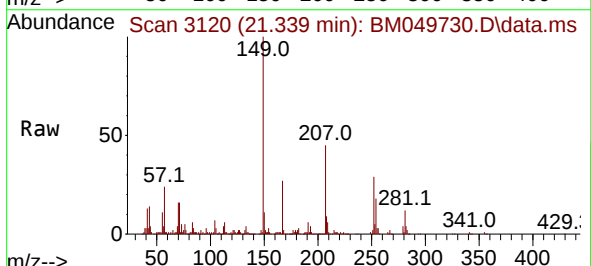
Tgt Ion:149 Resp: 195295

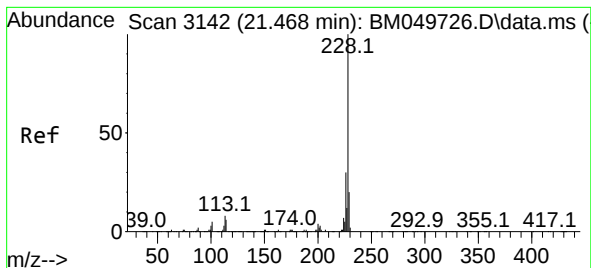
Ion Ratio Lower Upper

149 100

167 27.5 22.6 33.8

279 4.1 3.3 4.9





#87

Chrysene

Concen: 4.444 ng/ul

RT: 21.468 min Scan# 3142

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

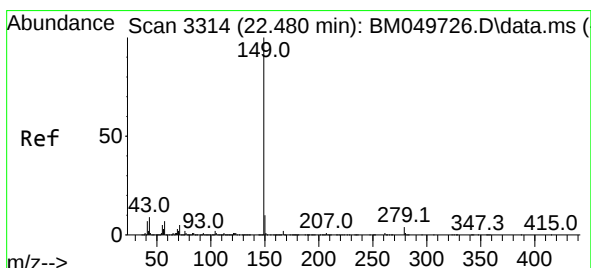
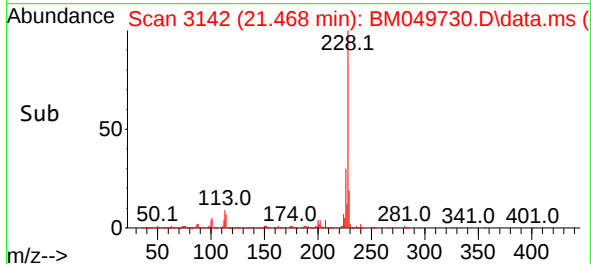
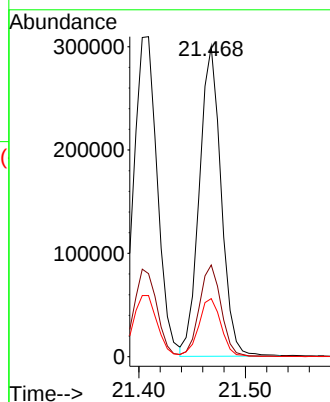
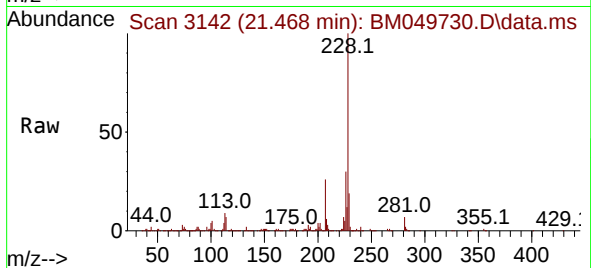
Tgt Ion:228 Resp: 426255

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 18.7 15.8 23.8



#89

Di-n-octyl phthalate

Concen: 2.951 ng/ul

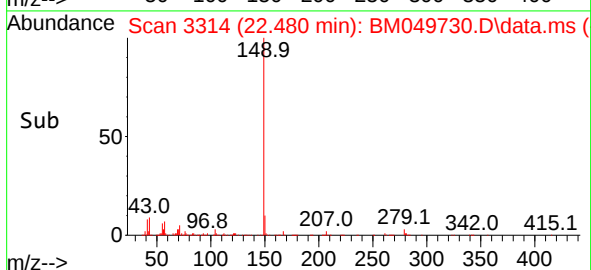
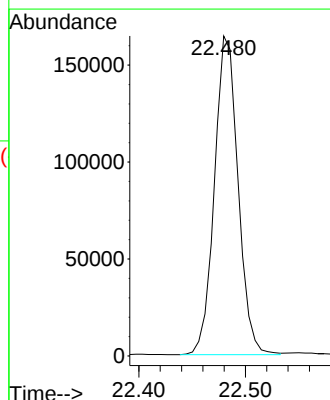
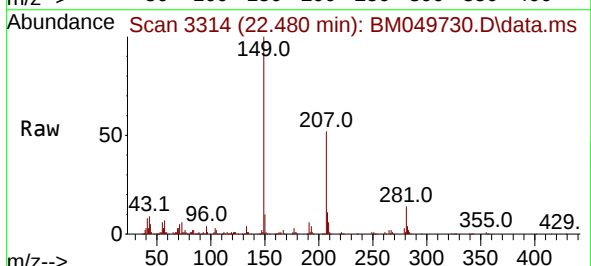
RT: 22.480 min Scan# 3314

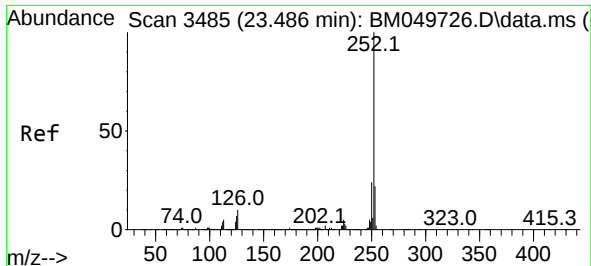
Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Tgt Ion:149 Resp: 252894

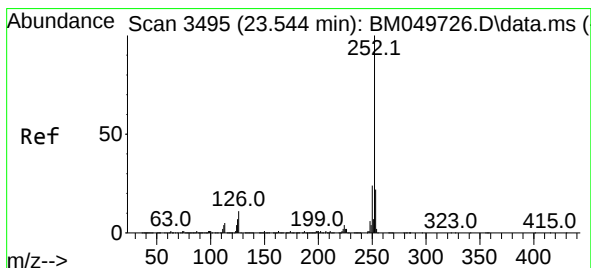
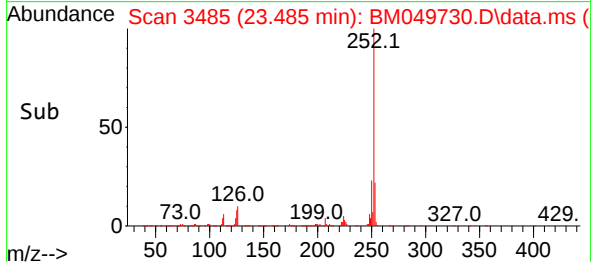
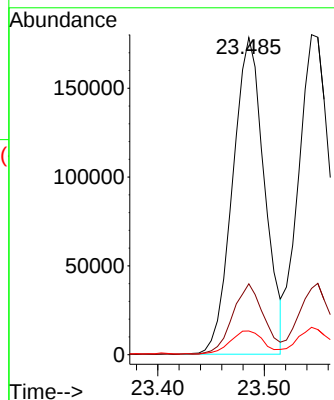
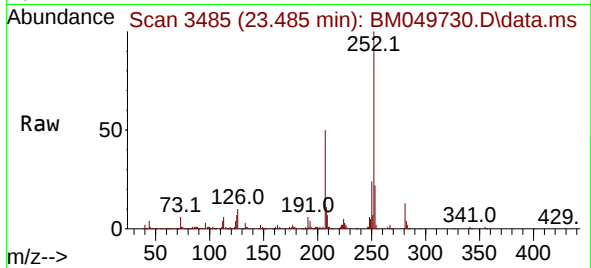




#90
Benzo(b)fluoranthene
Concen: 4.132 ng/ul
RT: 23.485 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

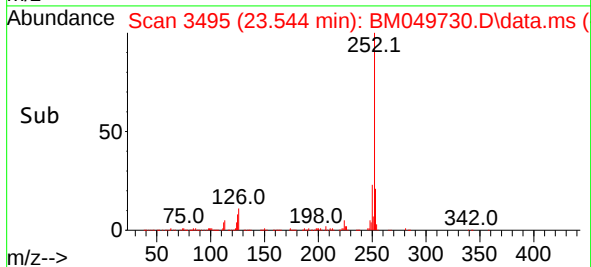
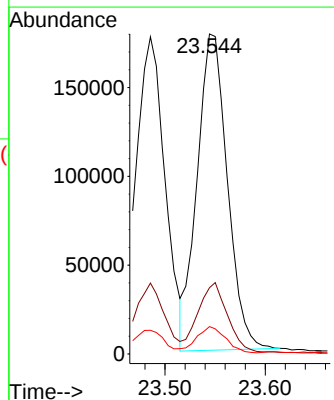
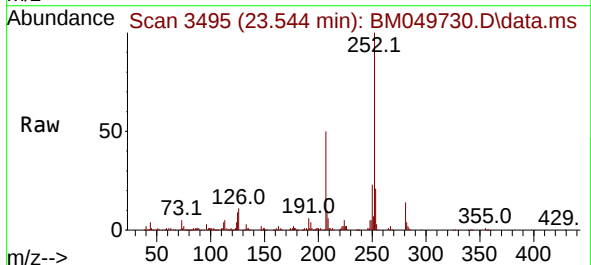
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

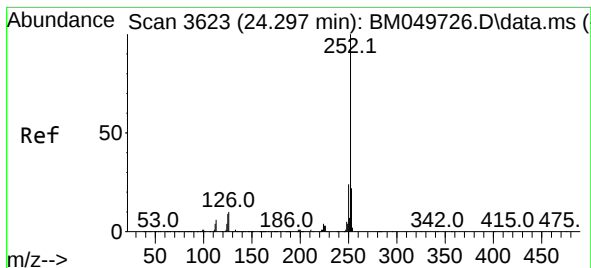
Tgt Ion:252 Resp: 369592
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 7.5 6.1 9.1



#91
Benzo(k)fluoranthene
Concen: 4.172 ng/ul
RT: 23.544 min Scan# 3495
Delta R.T. -0.000 min
Lab File: BM049730.D
Acq: 20 Mar 2025 11:54

Tgt Ion:252 Resp: 373671
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.0
125 8.6 6.1 9.1





#93

Benzo(a)pyrene

Concen: 4.417 ng/ul

RT: 24.297 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

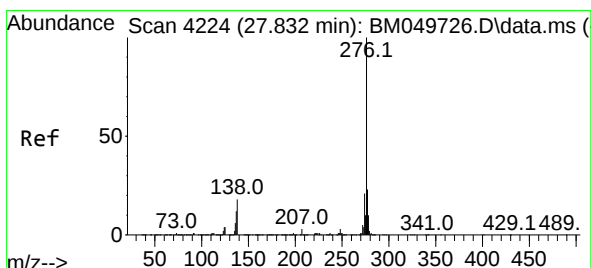
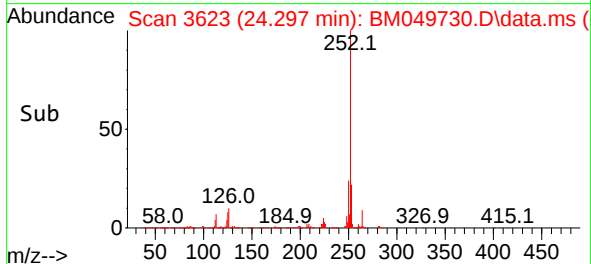
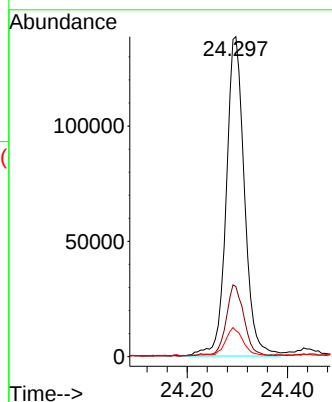
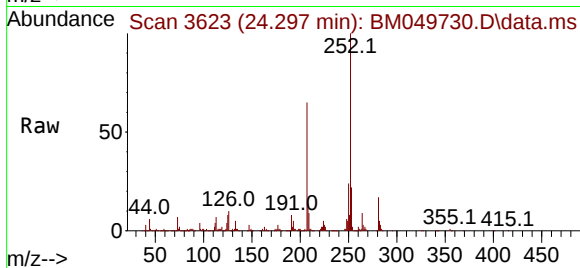
Tgt Ion:252 Resp: 349474

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.2 6.7 10.1



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.176 ng/ul

RT: 27.826 min Scan# 4223

Delta R.T. 0.006 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

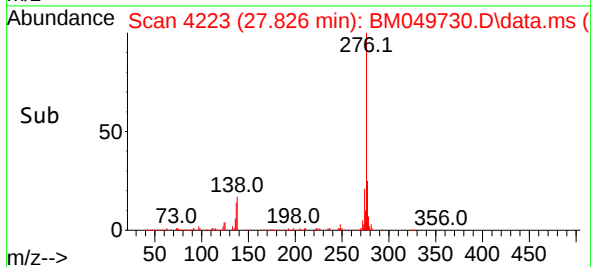
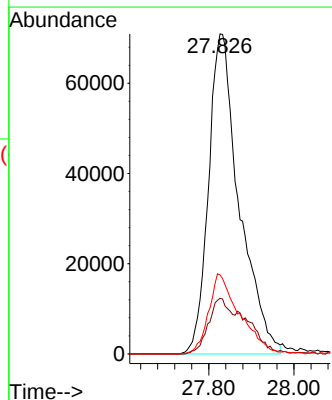
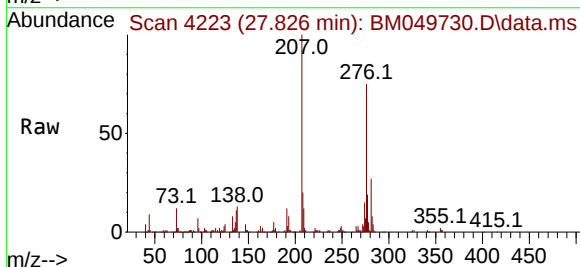
Tgt Ion:276 Resp: 354987

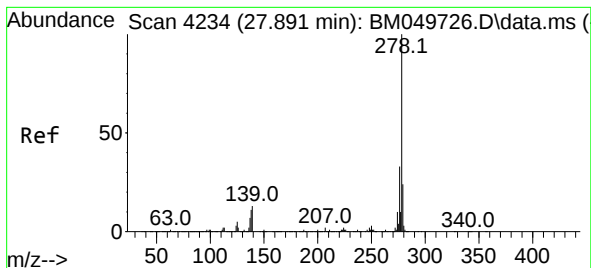
Ion Ratio Lower Upper

276 100

138 17.4 13.2 19.8

277 24.7 18.9 28.3





#95

Dibenzo(a,h)anthracene

Concen: 4.186 ng/ul

RT: 27.897 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2025-01

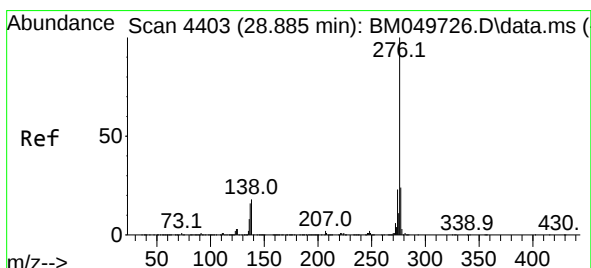
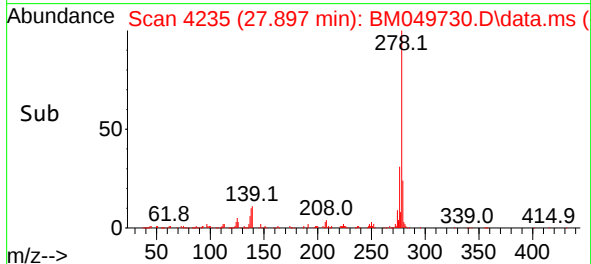
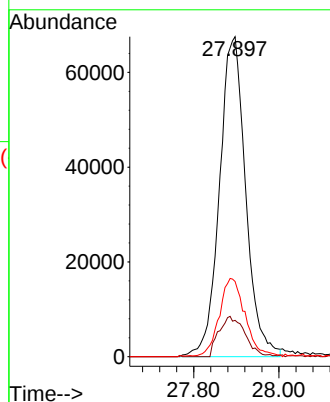
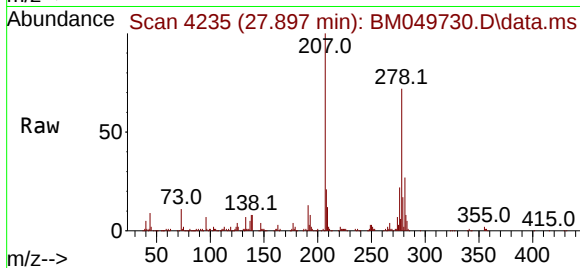
Tgt Ion:278 Resp: 288834

Ion Ratio Lower Upper

278 100

139 11.3 10.0 15.0

279 23.5 18.7 28.1



#96

Benzo(g,h,i)perylene

Concen: 4.424 ng/ul

RT: 28.879 min Scan# 4402

Delta R.T. -0.000 min

Lab File: BM049730.D

Acq: 20 Mar 2025 11:54

Tgt Ion:276 Resp: 279115

Ion Ratio Lower Upper

276 100

138 16.0 13.9 20.9

277 22.1 19.8 29.8

