

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025103.D
 Acq On : 11 Jul 2025 14:18
 Operator : CG/JU
 Sample : Q2126-08
 Misc : LOQ-WATER-10 PPM
 ALS Vial : 7 Sample Multiplier: 1

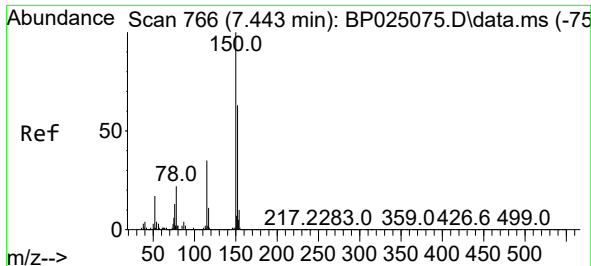
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jul 11 14:58:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	388351	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1545931	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1008747	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	2047269	20.000	ng	0.00
76) Chrysene-d12	21.342	240	2223289	20.000	ng	0.00
86) Perylene-d12	24.460	264	2433885	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2253270	102.805	ng	0.00
7) Phenol-d6	6.631	99	2855323	99.828	ng	0.00
23) Nitrobenzene-d5	8.566	82	1858579	79.955	ng	0.00
42) 2,4,6-Tribromophenol	15.601	330	1431042	120.087	ng	-0.02
45) 2-Fluorobiphenyl	12.684	172	5045023	77.478	ng	-0.01
79) Terphenyl-d14	19.666	244	8331100	82.356	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.408	42	73515	7.441	ng	# 97
9) Benzaldehyde	6.596	77	163170	10.923	ng	99
15) Benzyl Alcohol	7.678	79	156506	8.198	ng	98
20) 3+4-Methylphenols	8.190	107	209713	7.998	ng	97
32) Benzoic acid	9.449	122	90020	11.045	ng	94
35) Caprolactam	11.084	113	59050	7.682	ng	98
41) Hexachlorocyclopentadiene	12.237	237	108576	14.338	ng	99
54) 2,4-Dinitrophenol	14.190	184	40517	11.000	ng	97
56) 4-Nitrophenol	14.301	139	102229	7.506	ng	96
65) 4,6-Dinitro-2-methylph...	15.231	198	61598	11.422	ng	92
70) Pentachlorophenol	16.542	266	124694	7.206	ng	99
77) Benzidine	19.254	184	477225	12.154	ng	99
82) 3,3'-Dichlorobenzidine	21.254	252	388597	9.581	ng	99
85) Di-n-octyl phthalate	22.536	149	979594	12.552	ng	99

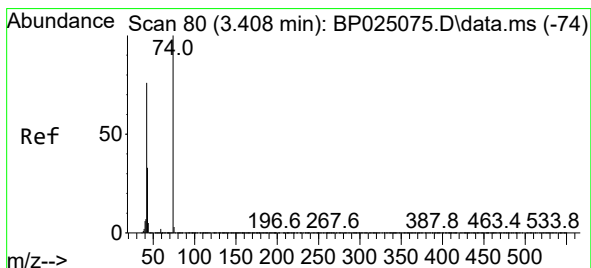
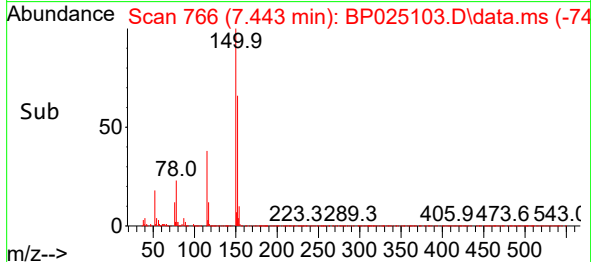
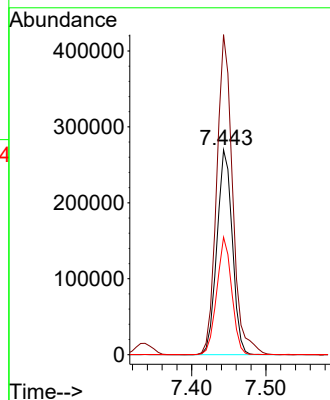
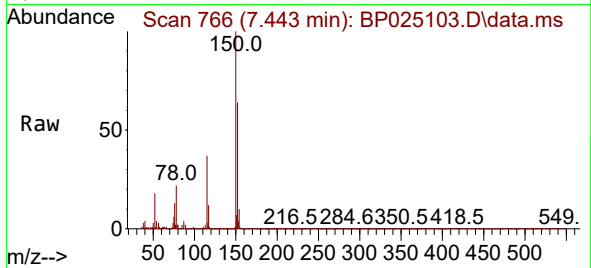
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 766
Delta R.T. -0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

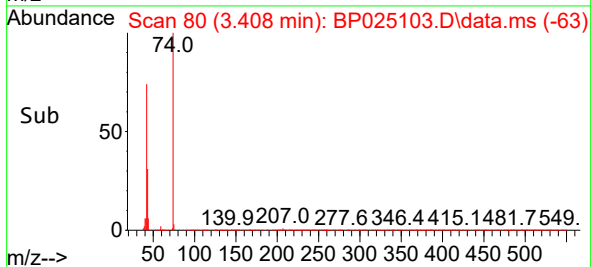
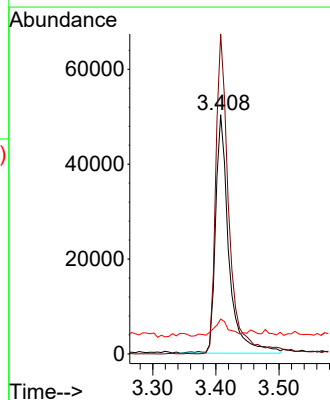
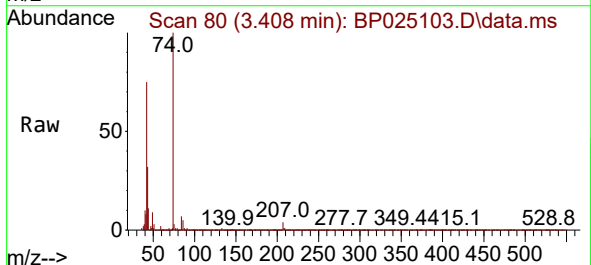
Instrument : BNA_P
ClientSampleId : LOQ-WATER-02-QT2-2025

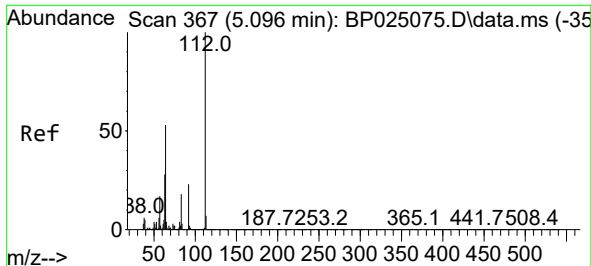
Tgt Ion:152 Resp: 388351
Ion Ratio Lower Upper
152 100
150 156.3 126.1 189.1
115 57.4 44.3 66.5



#4
n-Nitrosodimethylamine
Concen: 7.441 ng
RT: 3.408 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion: 42 Resp: 73515
Ion Ratio Lower Upper
42 100
74 133.7 105.2 157.8
44 14.6 6.6 9.8

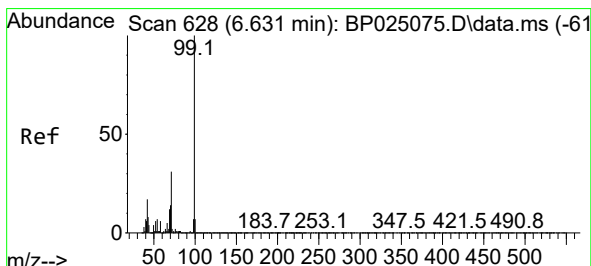
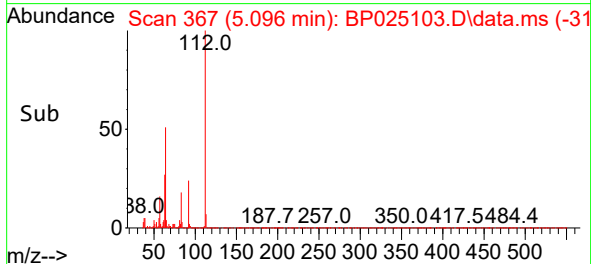
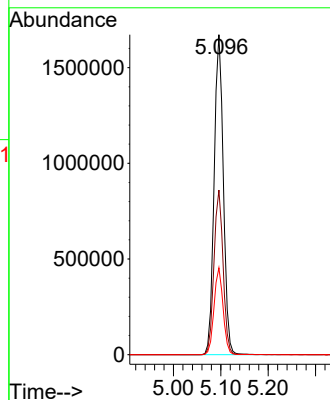
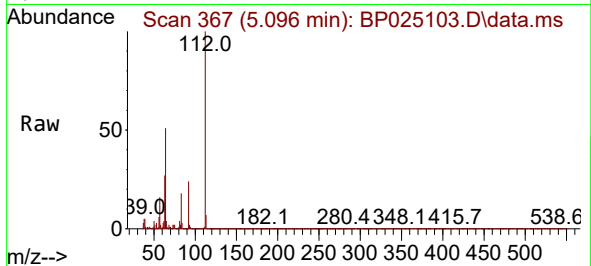




#5
2-Fluorophenol
Concen: 102.805 ng
RT: 5.096 min Scan# 367
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

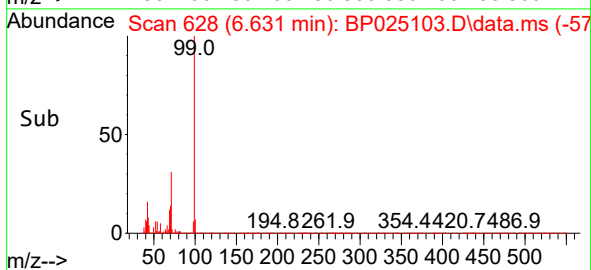
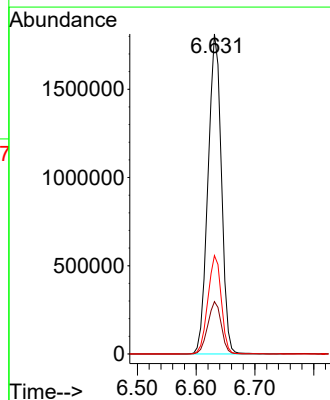
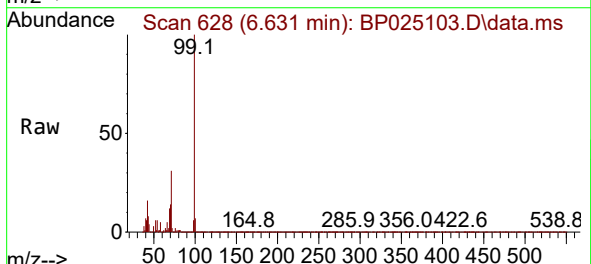
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ClientSampleId :
LOQ-WATER-02-QT2-2025

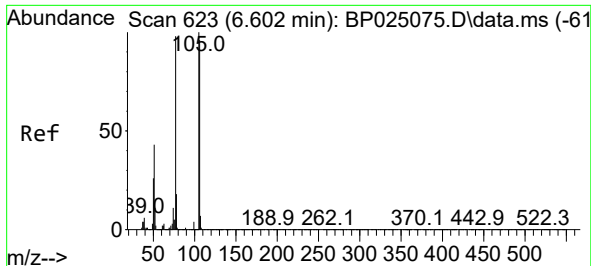
Tgt Ion:112 Resp: 2253270
Ion Ratio Lower Upper
112 100
64 51.5 42.0 63.0
63 27.2 22.2 33.2



#7
Phenol-d6
Concen: 99.828 ng
RT: 6.631 min Scan# 628
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion: 99 Resp: 2855323
Ion Ratio Lower Upper
99 100
42 16.3 13.6 20.4
71 30.8 24.4 36.6

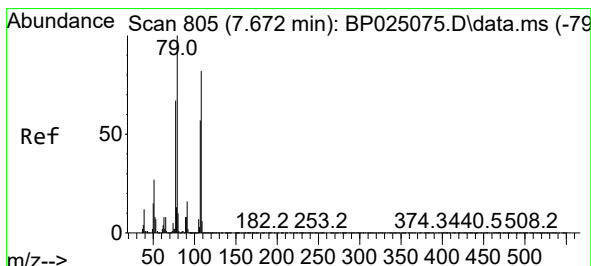
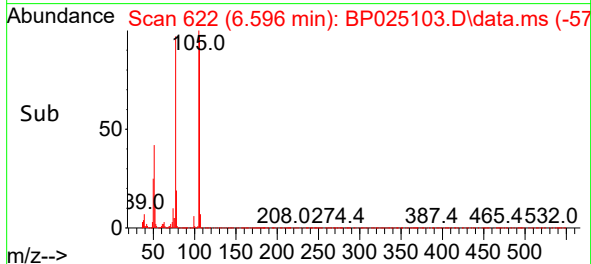
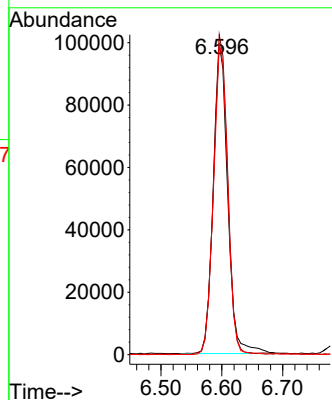
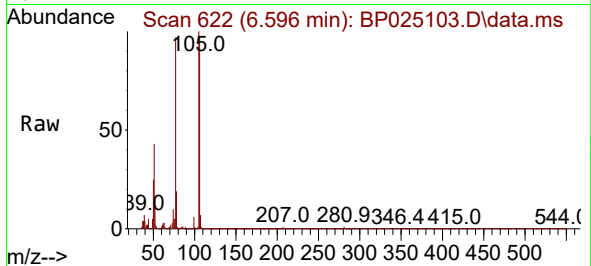




#9
Benzaldehyde
Concen: 10.923 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

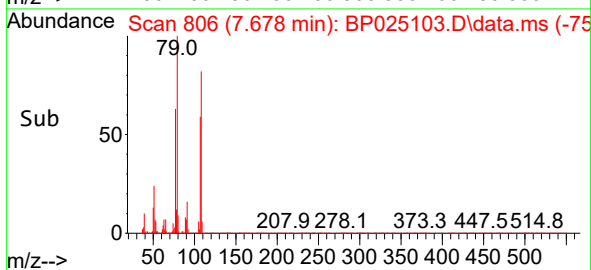
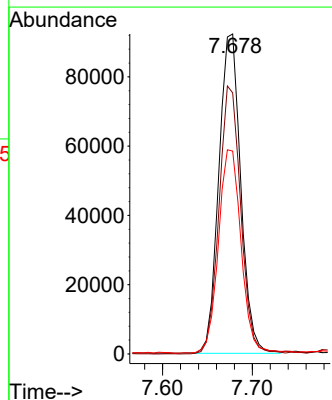
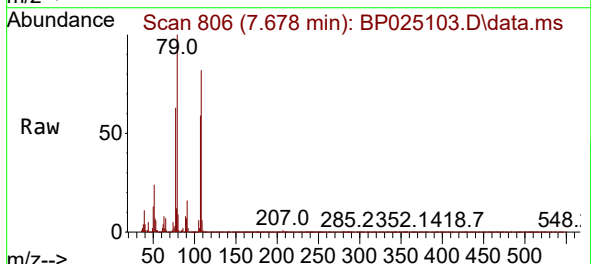
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT2-2025

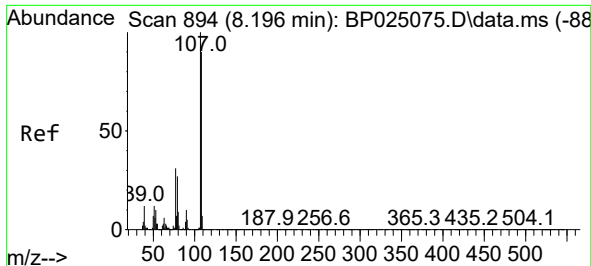
Tgt Ion: 77 Resp: 163170
Ion Ratio Lower Upper
77 100
105 102.8 82.4 122.4
106 99.8 78.3 118.3



#15
Benzyl Alcohol
Concen: 8.198 ng
RT: 7.678 min Scan# 806
Delta R.T. 0.006 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion: 79 Resp: 156506
Ion Ratio Lower Upper
79 100
108 81.6 66.0 99.0
77 63.4 53.4 80.2

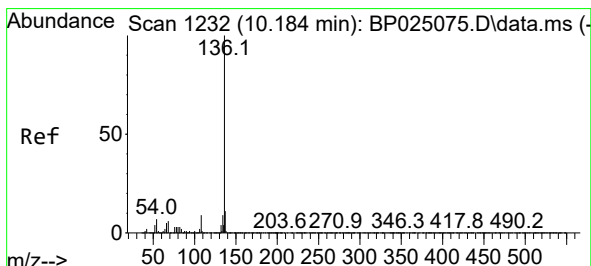
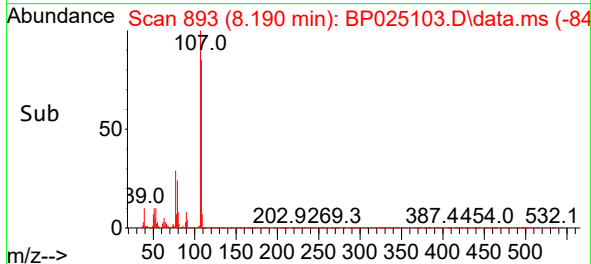
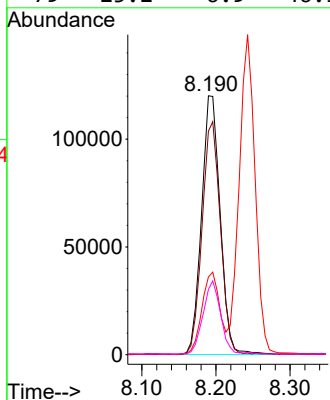
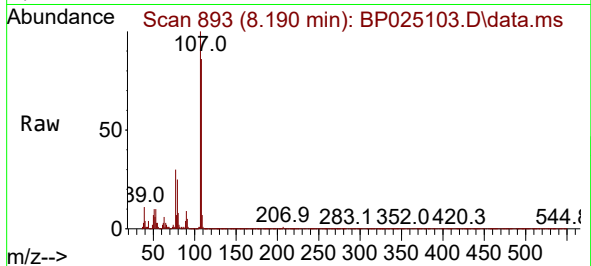




#20
3+4-Methylphenols
Concen: 7.998 ng
RT: 8.190 min Scan# 894
Delta R.T. -0.006 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

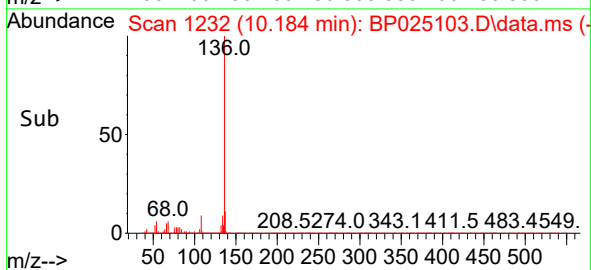
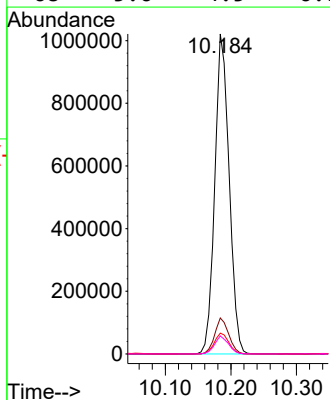
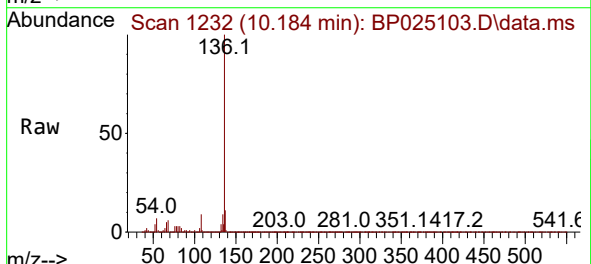
Instrument : BNA_P
ClientSampleId : LOQ-WATER-02-QT2-2025

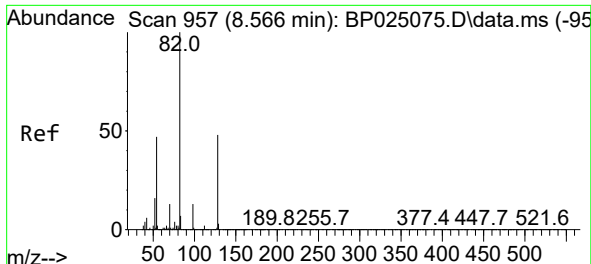
Tgt Ion:	107	Resp:	209713
Ion	Ratio	Lower	Upper
107	100		
108	86.4	69.5	109.5
77	30.0	11.4	51.4
79	25.2	6.9	46.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:	136	Resp:	1545931
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	6.5	5.4	8.2
68	5.6	4.5	6.7

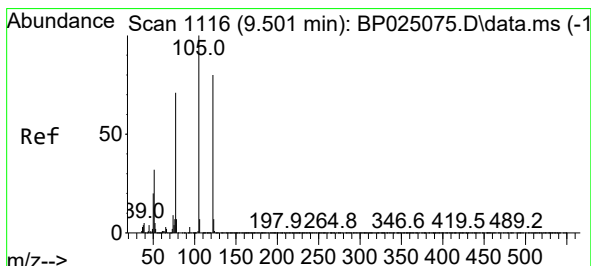
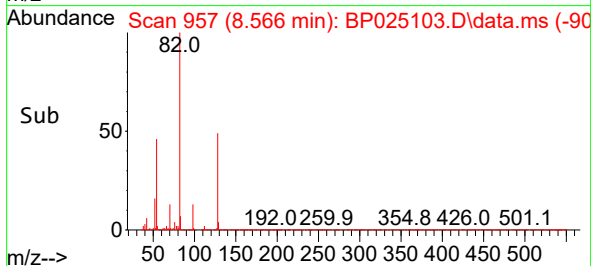
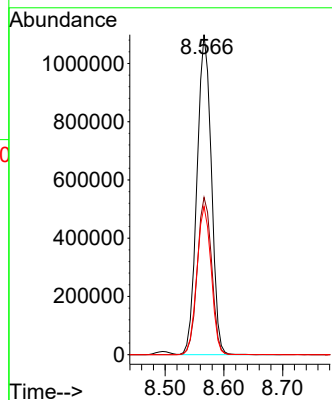
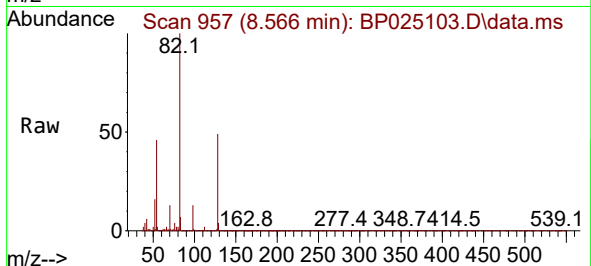




#23
Nitrobenzene-d5
Concen: 79.955 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

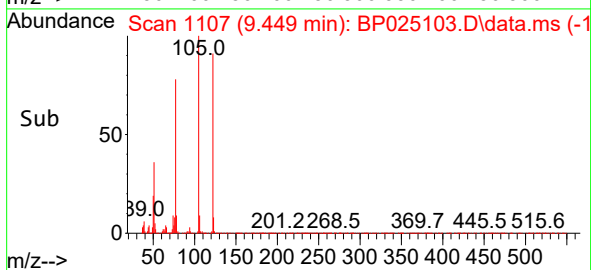
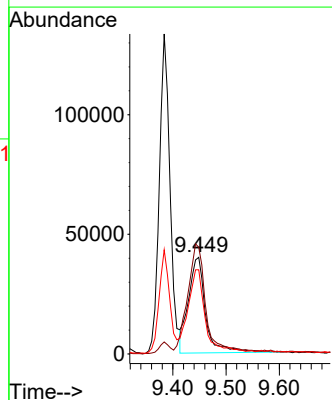
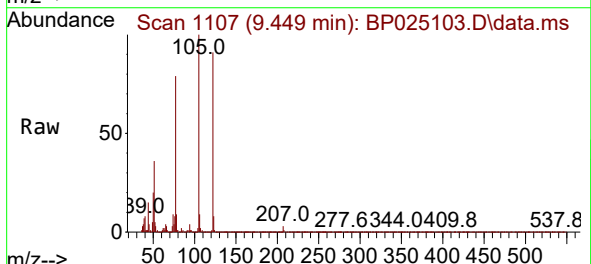
Instrument :
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LOQ-WATER-02-QT2-2025

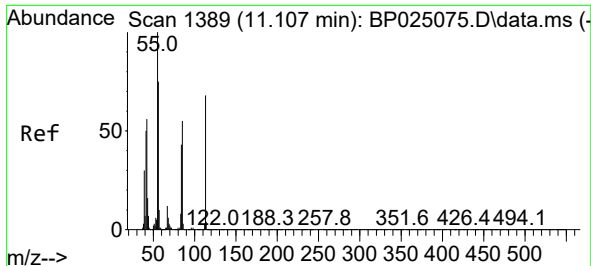
Tgt Ion: 82 Resp: 1858579
Ion Ratio Lower Upper
82 100
128 49.1 38.4 57.6
54 46.3 37.8 56.6



#32
Benzoic acid
Concen: 11.045 ng
RT: 9.449 min Scan# 1107
Delta R.T. -0.052 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:122 Resp: 90020
Ion Ratio Lower Upper
122 100
105 110.4 101.0 141.0
77 87.0 67.6 107.6

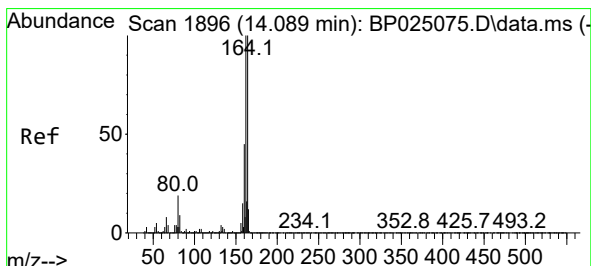
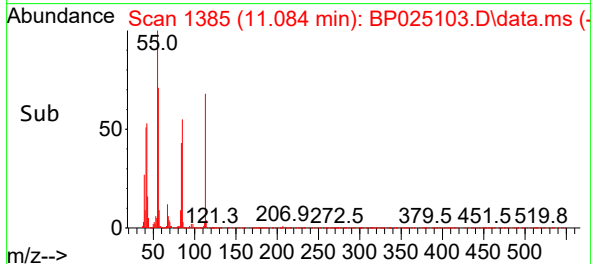
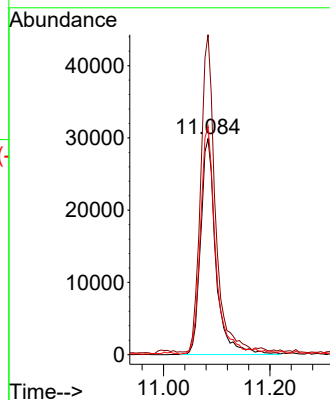
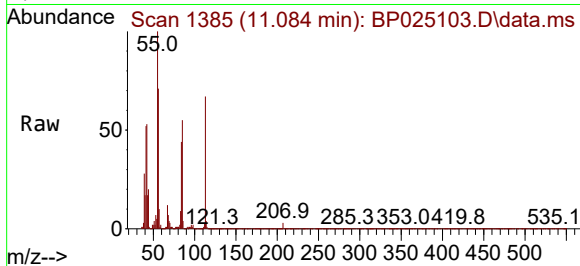




#35
Caprolactam
Concen: 7.682 ng
RT: 11.084 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

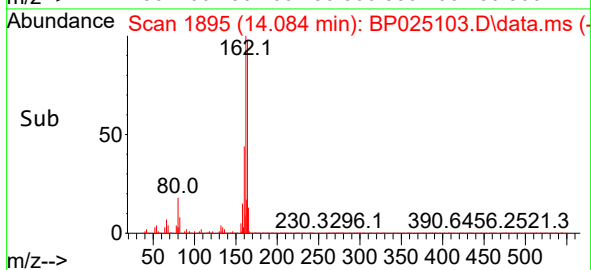
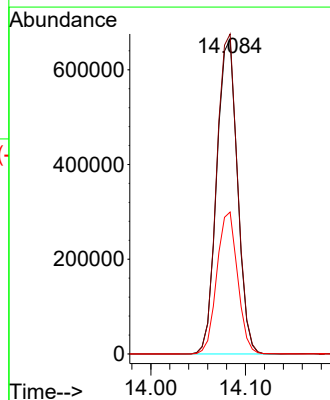
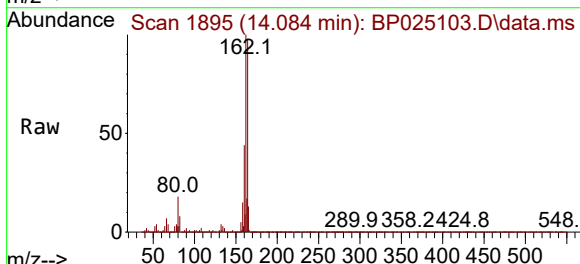
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LOQ-WATER-02-QT2-2025

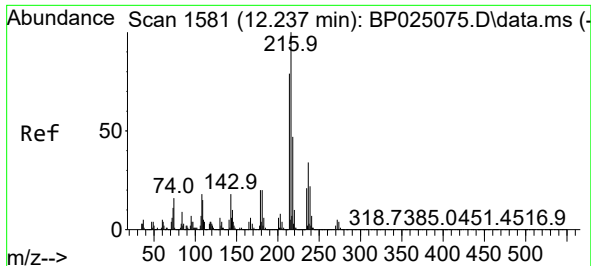
Tgt Ion:113 Resp: 59050
Ion Ratio Lower Upper
113 100
55 148.3 128.1 168.1
56 105.7 90.7 130.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:164 Resp: 1008747
Ion Ratio Lower Upper
164 100
162 101.6 80.3 120.5
160 45.1 35.9 53.9

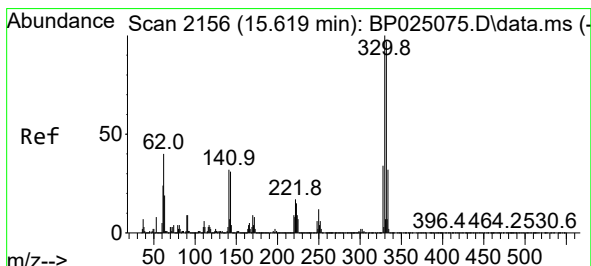
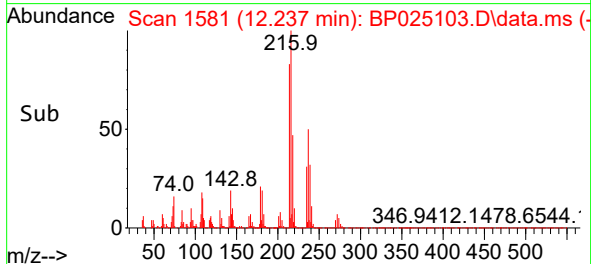
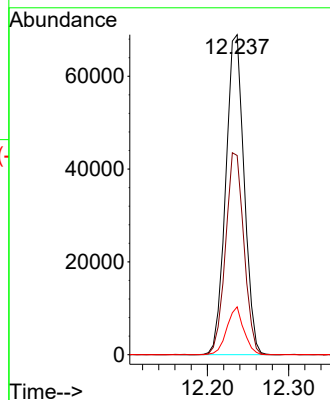
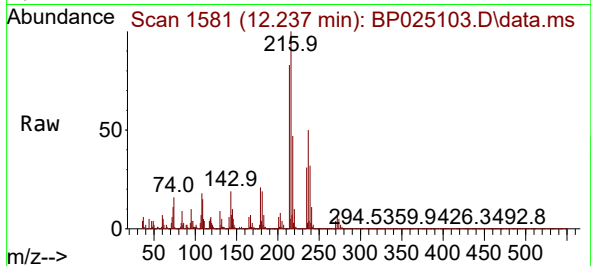




#41
Hexachlorocyclopentadiene
Concen: 14.338 ng
RT: 12.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

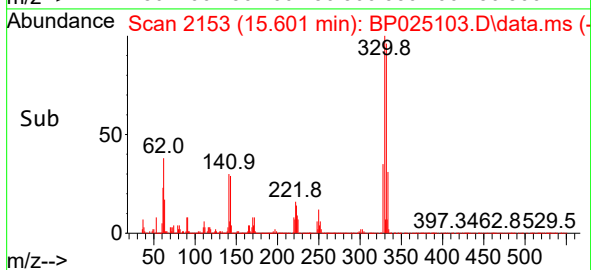
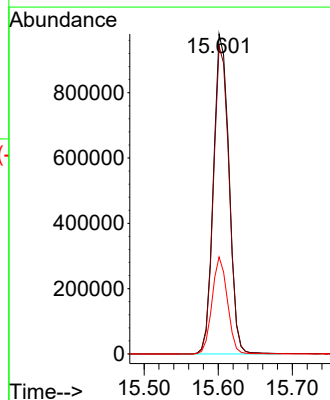
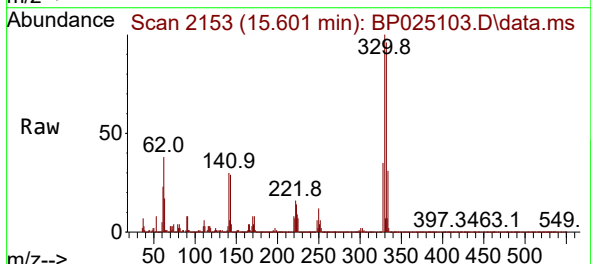
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT2-2025

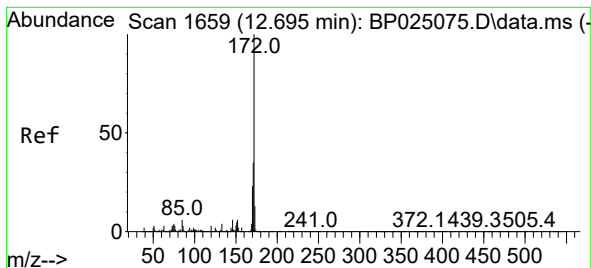
Tgt Ion:237 Resp: 108576
Ion Ratio Lower Upper
237 100
235 62.2 41.6 81.6
272 14.9 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 120.087 ng
RT: 15.601 min Scan# 2153
Delta R.T. -0.018 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:330 Resp: 1431042
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 29.7 26.0 39.0





#45

2-Fluorobiphenyl

Concen: 77.478 ng

RT: 12.684 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT2-2025

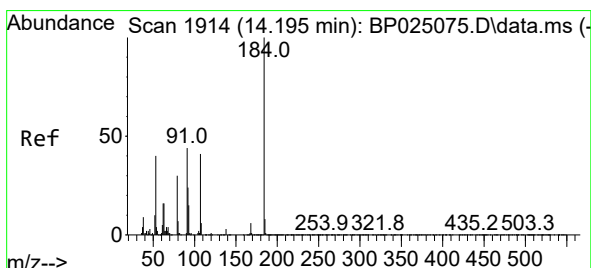
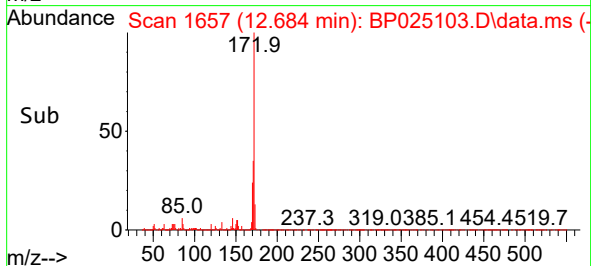
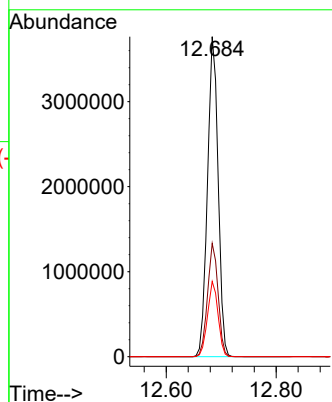
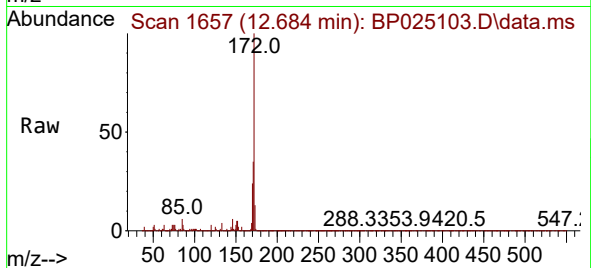
Tgt Ion:172 Resp: 5045023

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.5 18.7 28.1



#54

2,4-Dinitrophenol

Concen: 11.000 ng

RT: 14.190 min Scan# 1913

Delta R.T. -0.005 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

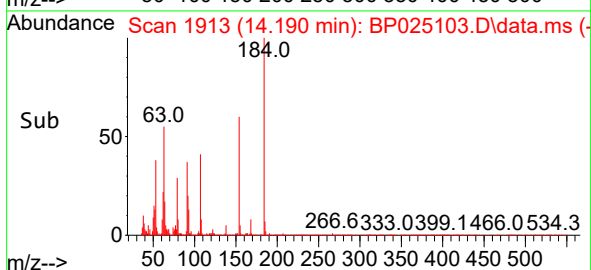
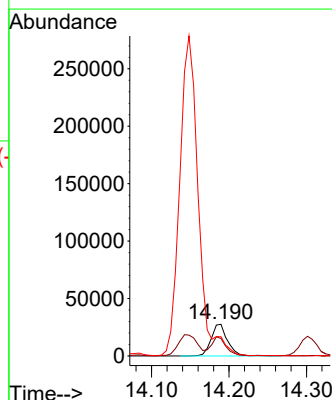
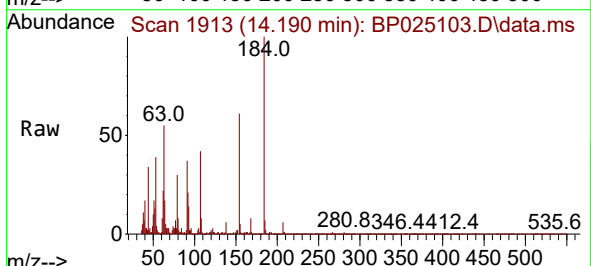
Tgt Ion:184 Resp: 40517

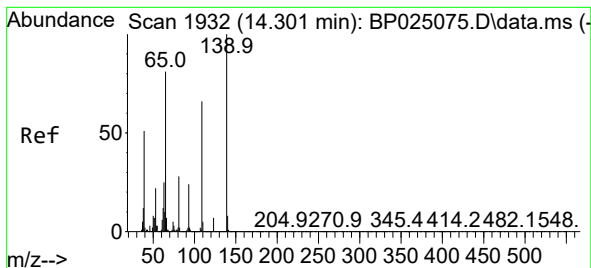
Ion Ratio Lower Upper

184 100

63 55.1 47.4 71.0

154 60.5 47.8 71.8

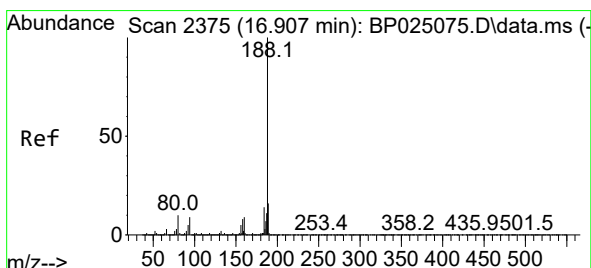
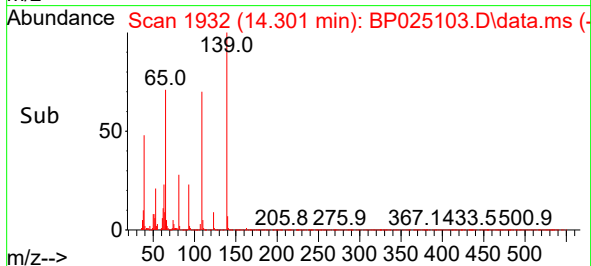
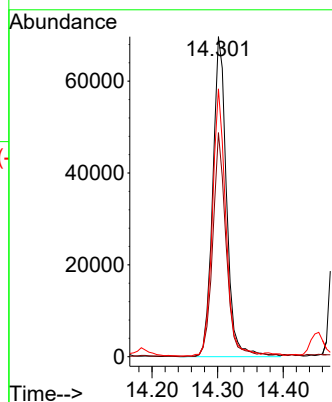
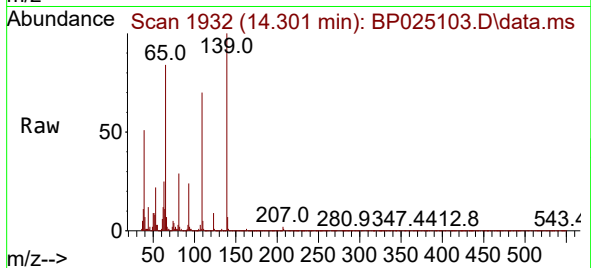




#56
4-Nitrophenol
Concen: 7.506 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

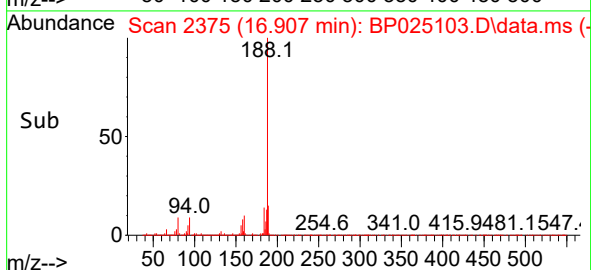
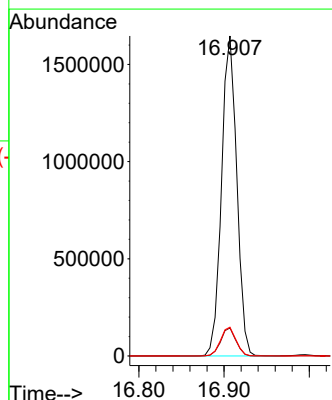
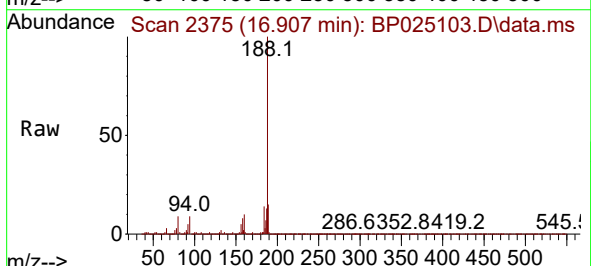
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT2-2025

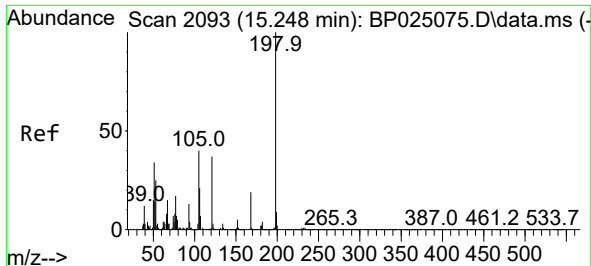
Tgt Ion:139 Resp: 102229
Ion Ratio Lower Upper
139 100
109 70.0 45.9 85.9
65 83.7 61.4 101.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.907 min Scan# 2375
Delta R.T. 0.000 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:188 Resp: 2047269
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.0 7.8 11.6

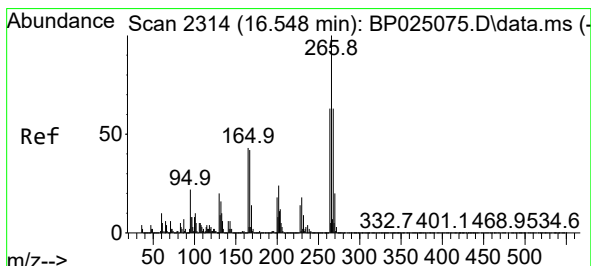
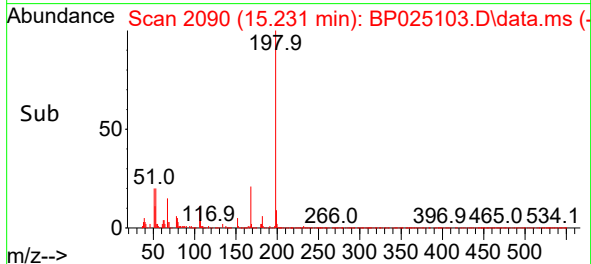
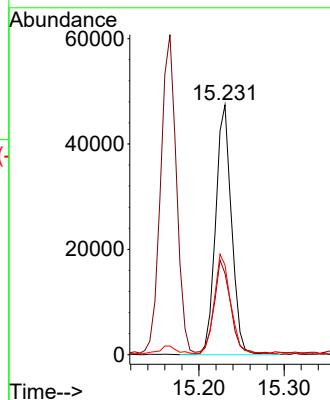
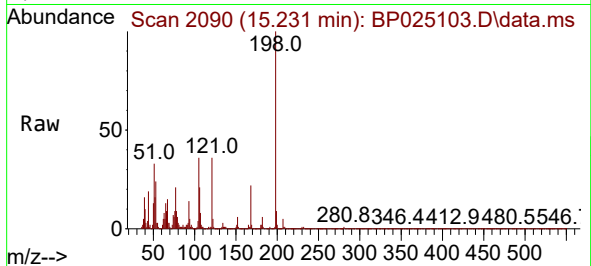




#65
4,6-Dinitro-2-methylphenol
Concen: 11.422 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.017 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

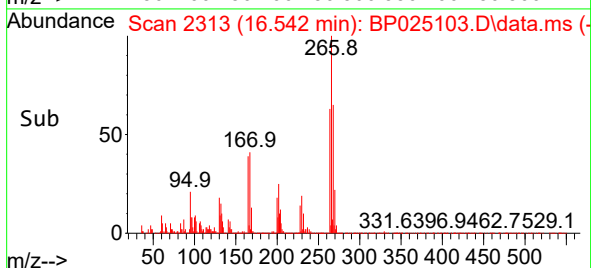
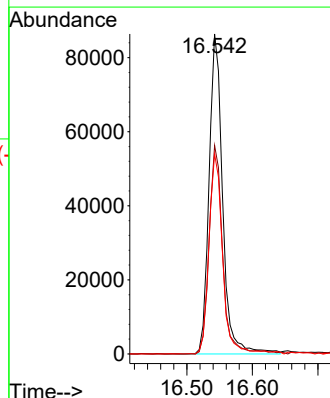
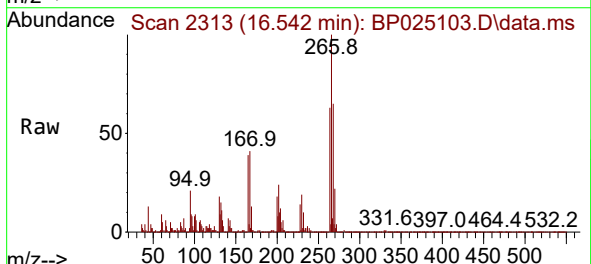
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT2-2025

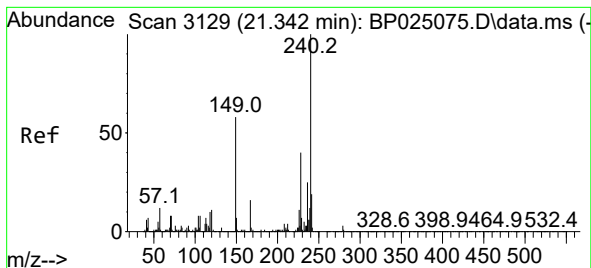
Tgt Ion:198 Resp: 61598
Ion Ratio Lower Upper
198 100
51 32.5 16.8 56.8
105 35.9 20.8 60.8



#70
Pentachlorophenol
Concen: 7.206 ng
RT: 16.542 min Scan# 2313
Delta R.T. -0.006 min
Lab File: BP025103.D
Acq: 11 Jul 2025 14:18

Tgt Ion:266 Resp: 124694
Ion Ratio Lower Upper
266 100
268 65.1 50.4 75.6
264 62.5 50.2 75.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT2-2025

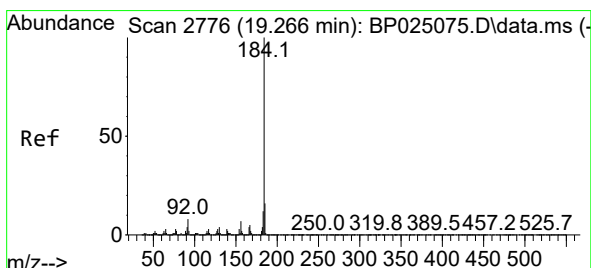
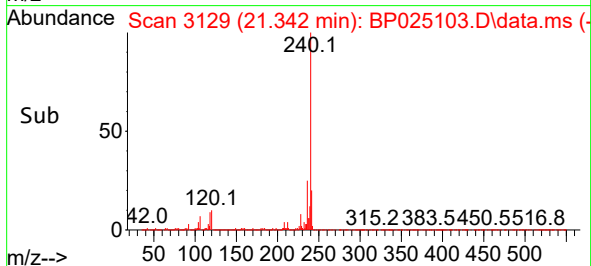
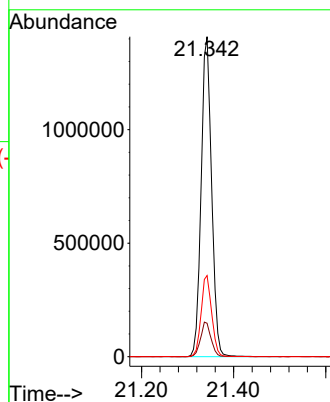
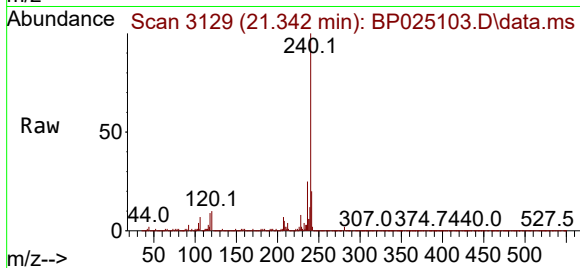
Tgt Ion:240 Resp: 2223289

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.4

236 25.3 20.3 30.5



#77

Benzidine

Concen: 12.154 ng

RT: 19.254 min Scan# 2774

Delta R.T. -0.012 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

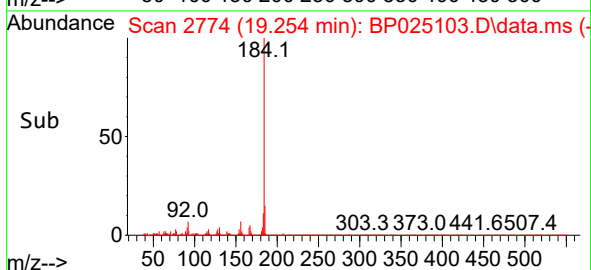
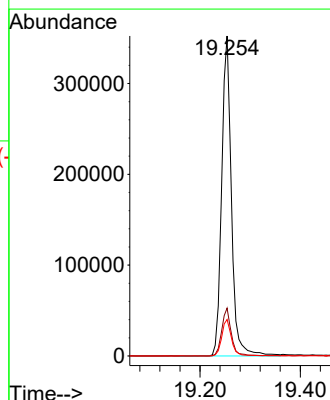
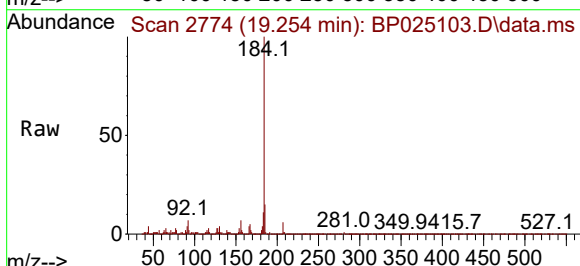
Tgt Ion:184 Resp: 477225

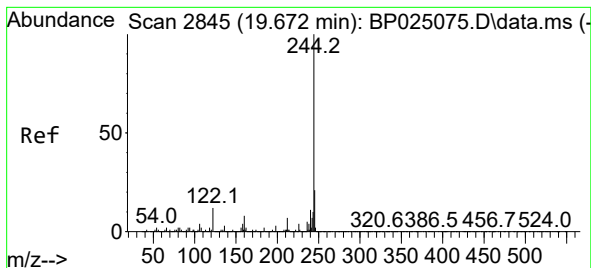
Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

183 11.4 9.4 14.2





#79

Terphenyl-d14

Concen: 82.356 ng

RT: 19.666 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT2-2025

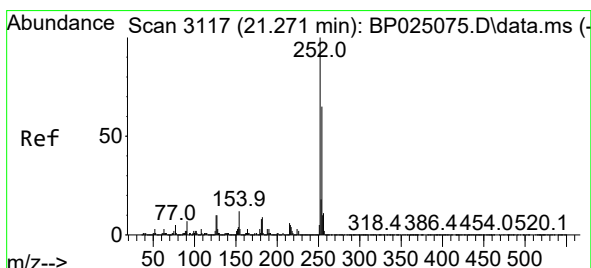
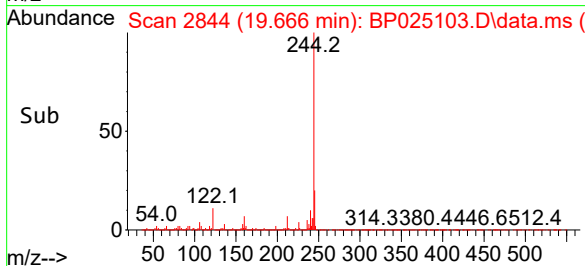
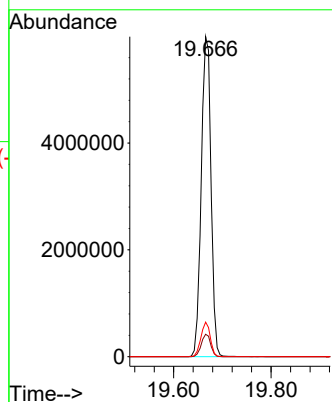
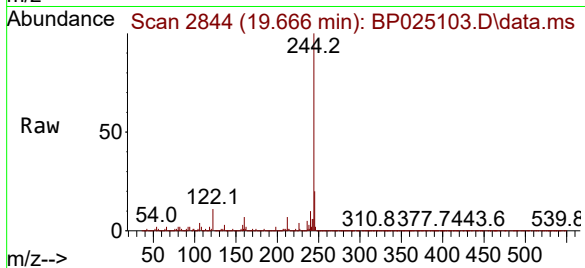
Tgt Ion:244 Resp: 8331100

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 10.8 9.4 14.2



#82

3,3'-Dichlorobenzidine

Concen: 9.581 ng

RT: 21.254 min Scan# 3114

Delta R.T. -0.018 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

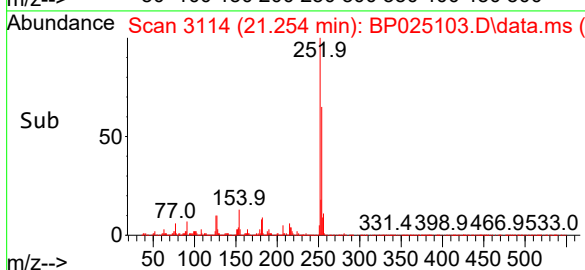
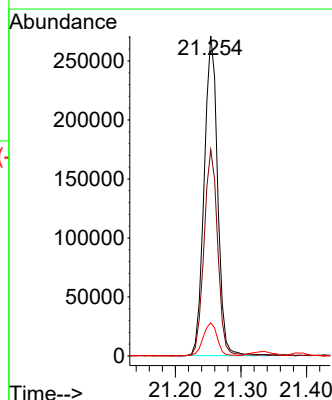
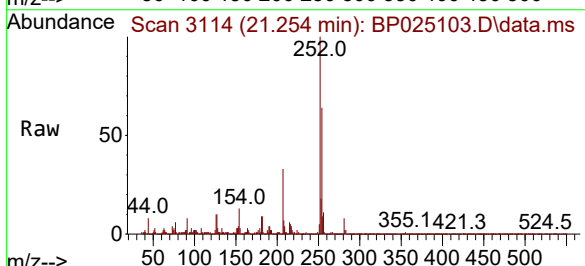
Tgt Ion:252 Resp: 388597

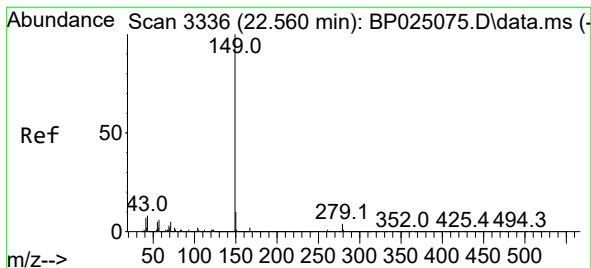
Ion Ratio Lower Upper

252 100

254 64.5 51.9 77.9

126 10.4 8.1 12.1





#85

Di-n-octyl phthalate

Concen: 12.552 ng

RT: 22.536 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT2-2025

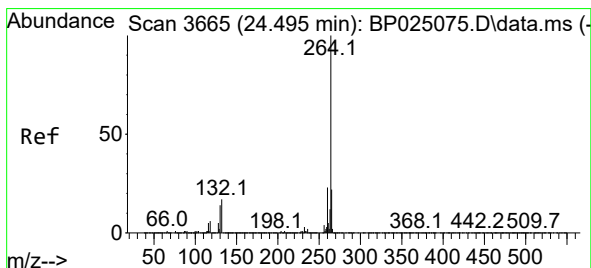
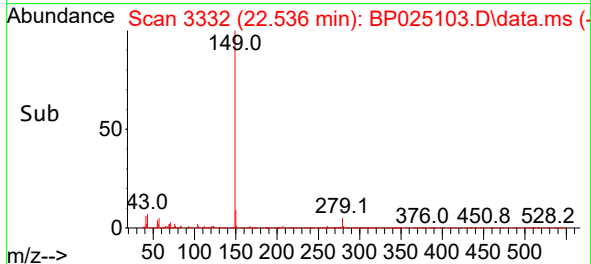
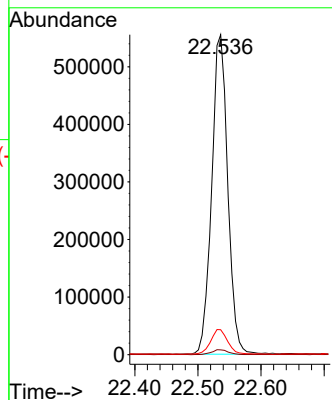
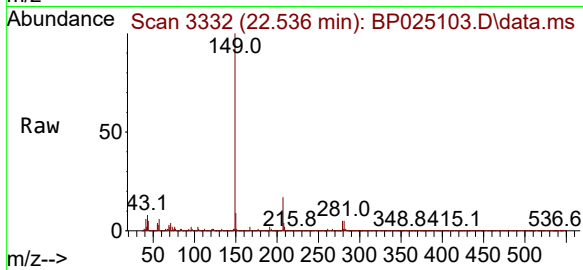
Tgt Ion:149 Resp: 979594

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.460 min Scan# 3659

Delta R.T. -0.035 min

Lab File: BP025103.D

Acq: 11 Jul 2025 14:18

Tgt Ion:264 Resp: 2433885

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.8 17.7 26.5

