

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090425\
 Data File : BP025662.D
 Acq On : 04 Sep 2025 16:10
 Operator : CG/JU
 Sample : Q2893-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Sep 04 16:33:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

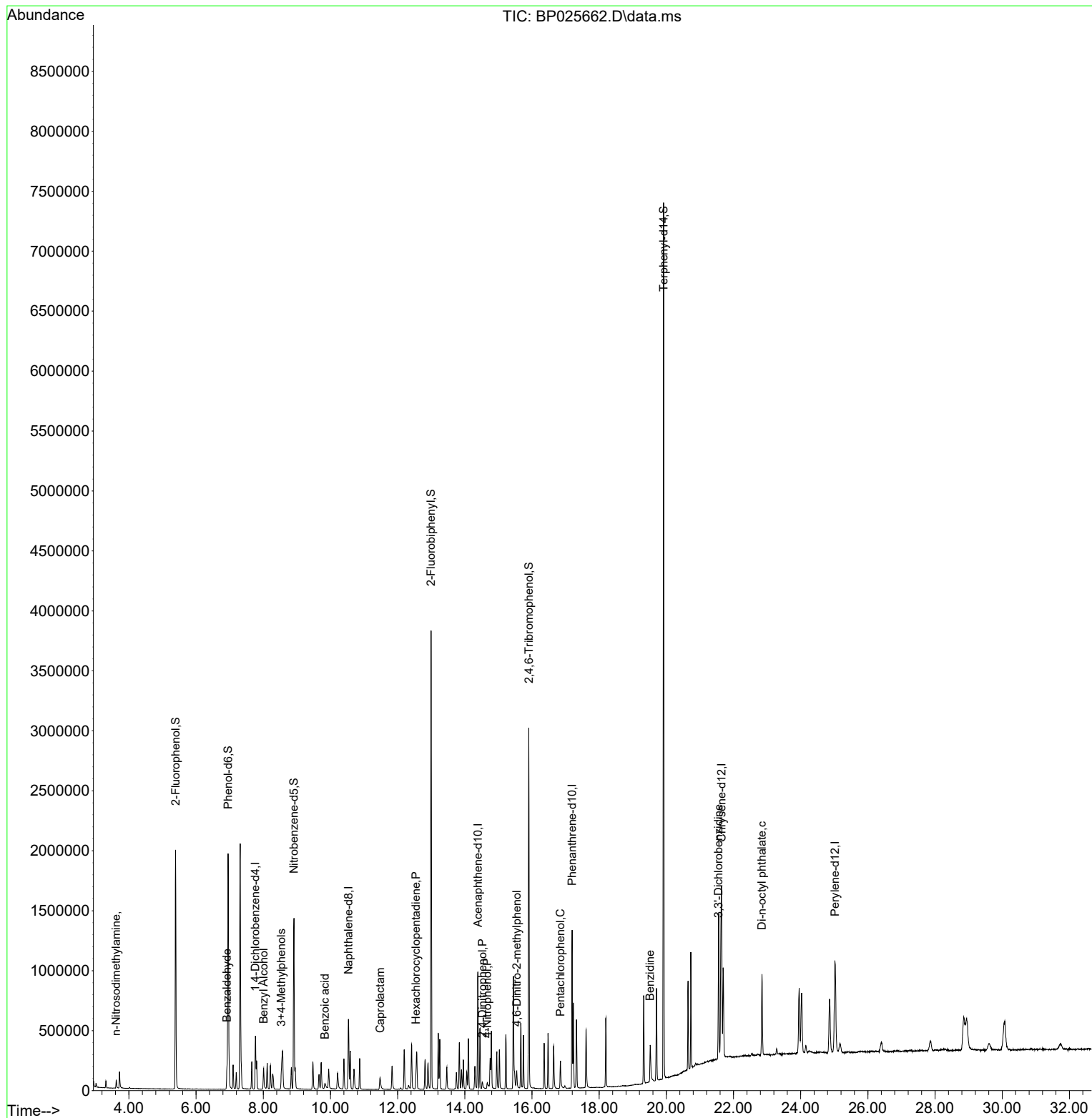
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	121417	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	503731	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	346147	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	718601	20.000	ng	0.00
76) Chrysene-d12	21.642	240	823707	20.000	ng	0.00
86) Perylene-d12	25.018	264	901236	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	879758	120.330	ng	-0.02
7) Phenol-d6	6.954	99	1149181	122.598	ng	-0.01
23) Nitrobenzene-d5	8.913	82	825242	82.872	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	619961	133.063	ng	0.00
45) 2-Fluorobiphenyl	12.995	172	1998354	78.901	ng	-0.02
79) Terphenyl-d14	19.918	244	3651334	81.101	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.619	42	33908	10.493	ng	# 90
9) Benzaldehyde	6.919	77	70350	10.712	ng	90
15) Benzyl Alcohol	8.013	79	73007	9.802	ng	97
20) 3+4-Methylphenols	8.537	107	82959	8.761	ng	93
32) Benzoic acid	9.837	122	29090	5.017	ng	92
35) Caprolactam	11.478	113	26170	9.147	ng	96
41) Hexachlorocyclopentadiene	12.548	237	33729	5.586	ng	98
54) 2,4-Dinitrophenol	14.525	184	20107	7.047	ng	94
56) 4-Nitrophenol	14.672	139	26849	5.436	ng	92
65) 4,6-Dinitro-2-methylph...	15.548	198	38300	8.550	ng	91
70) Pentachlorophenol	16.848	266	47896	8.282	ng	97
77) Benzidine	19.518	184	242625	8.631	ng	99
82) 3,3'-Dichlorobenzidine	21.548	252	190364	9.297	ng	97
85) Di-n-octyl phthalate	22.848	149	593864	9.666	ng	96

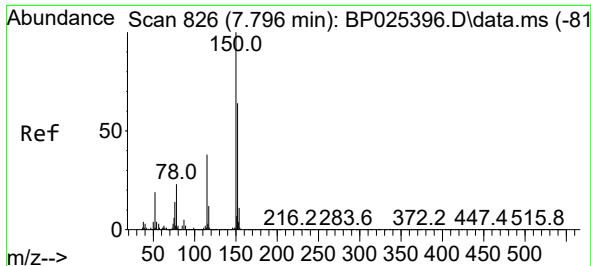
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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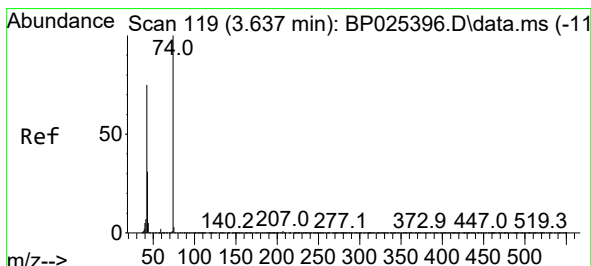
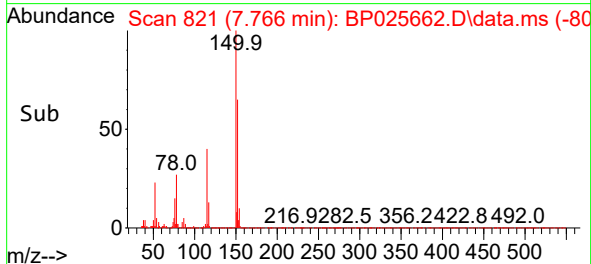
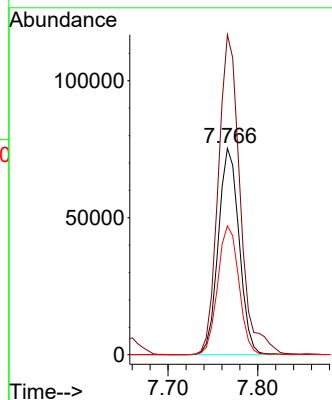
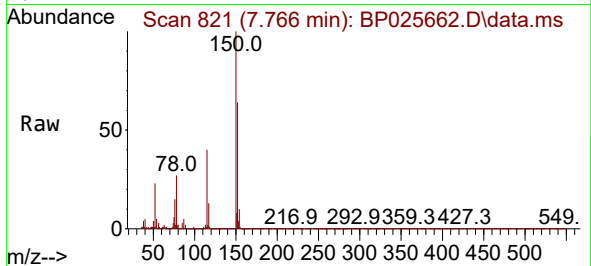




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

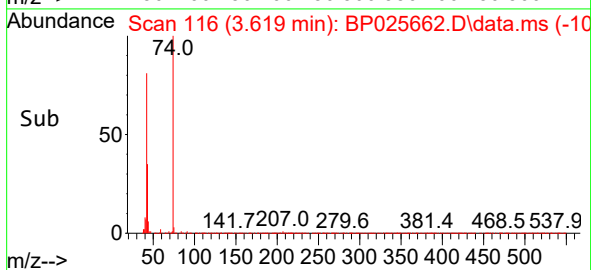
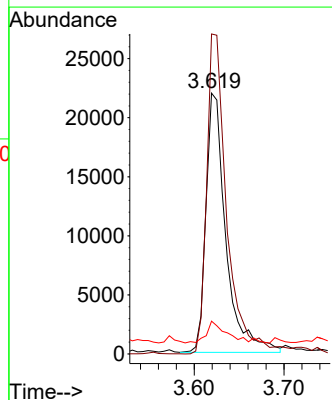
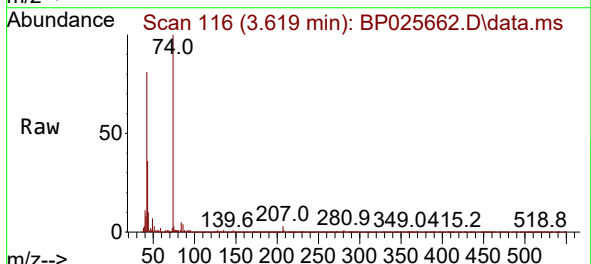
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

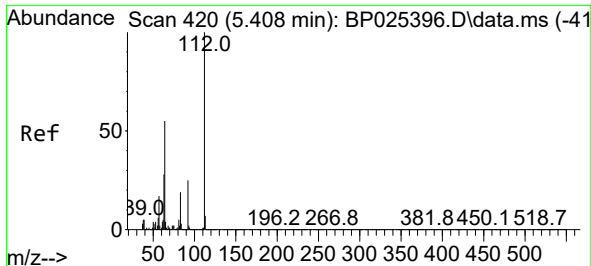
Tgt Ion:152 Resp: 121417
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 62.4 48.5 72.7



#4
n-Nitrosodimethylamine
Concen: 10.493 ng
RT: 3.619 min Scan# 116
Delta R.T. -0.018 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion: 42 Resp: 33908
Ion Ratio Lower Upper
42 100
74 122.7 107.0 160.4
44 12.6 6.2 9.4#

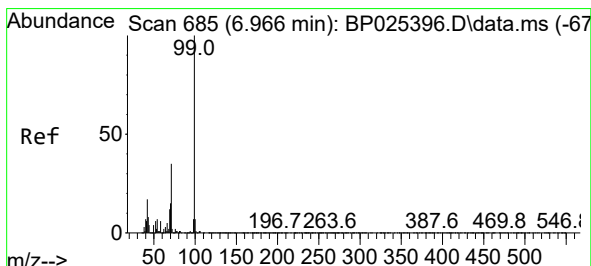
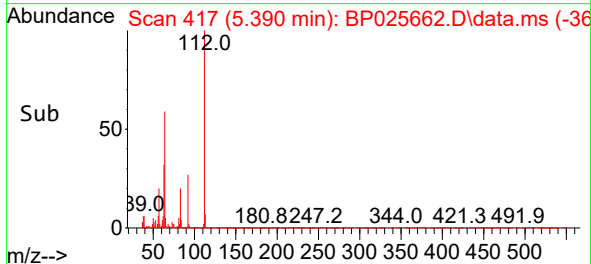
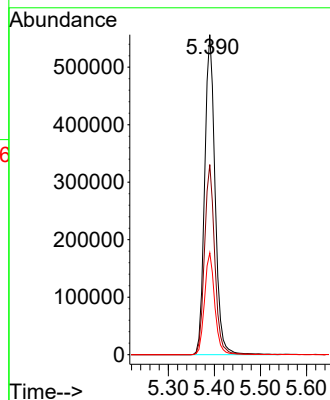
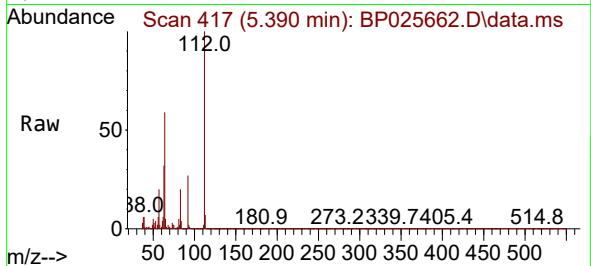




#5
2-Fluorophenol
Concen: 120.330 ng
RT: 5.390 min Scan# 417
Delta R.T. -0.018 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

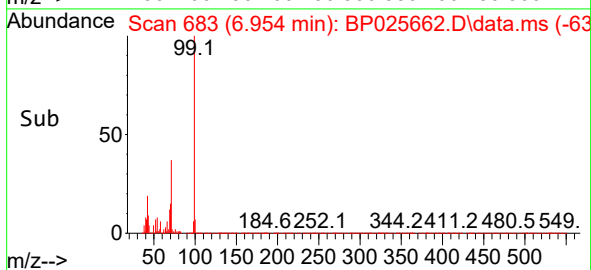
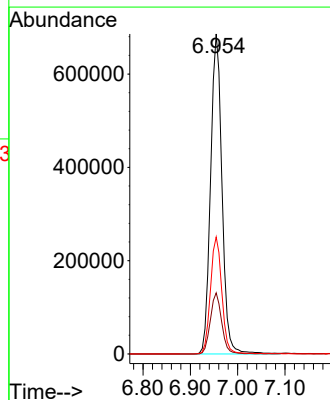
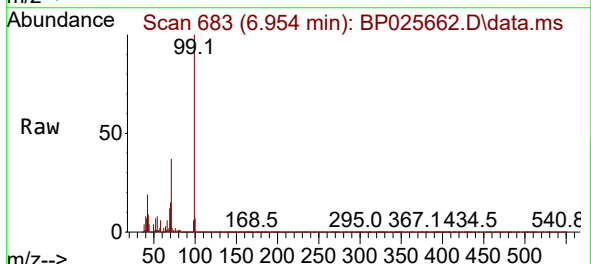
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

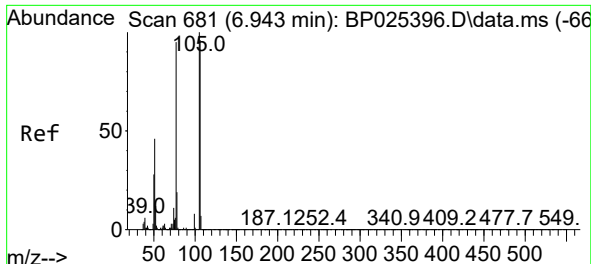
Tgt Ion:112 Resp: 879758
Ion Ratio Lower Upper
112 100
64 59.4 43.8 65.8
63 31.8 22.7 34.1



#7
Phenol-d6
Concen: 122.598 ng
RT: 6.954 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion: 99 Resp: 1149181
Ion Ratio Lower Upper
99 100
42 19.1 13.7 20.5
71 36.5 28.2 42.4

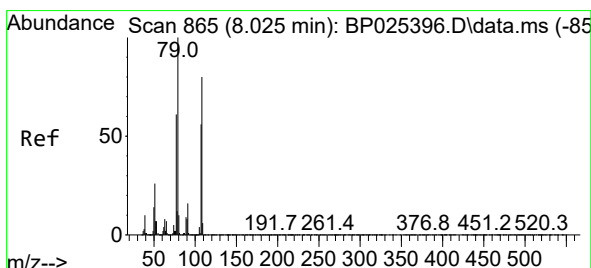
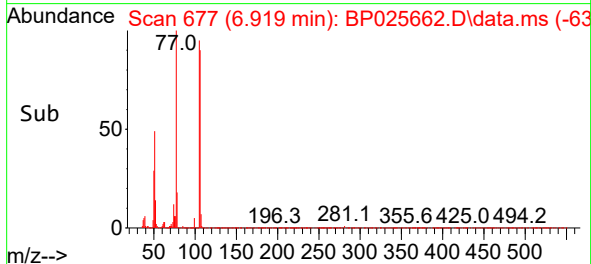
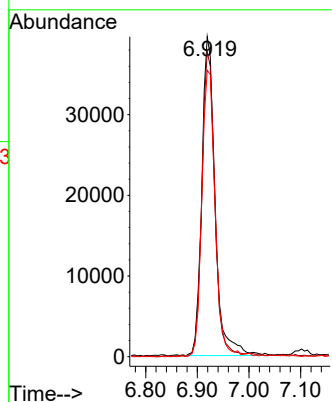
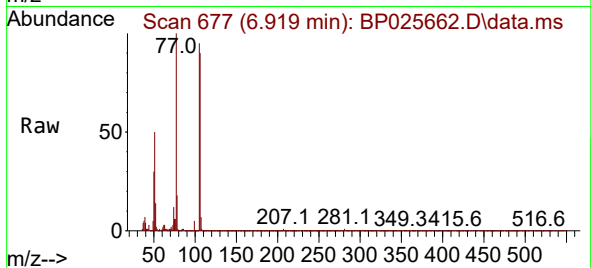




#9
Benzaldehyde
Concen: 10.712 ng
RT: 6.919 min Scan# 61
Delta R.T. -0.024 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

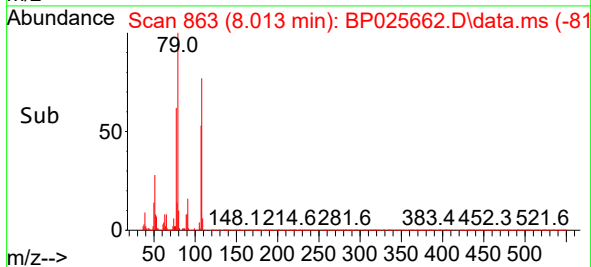
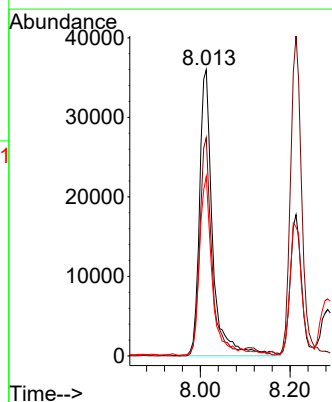
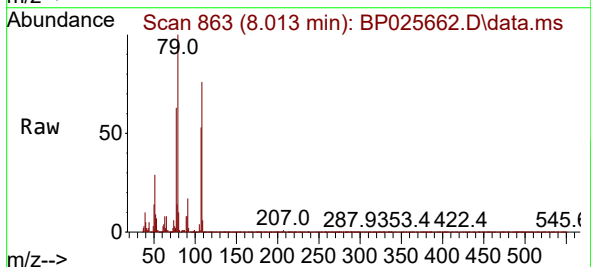
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

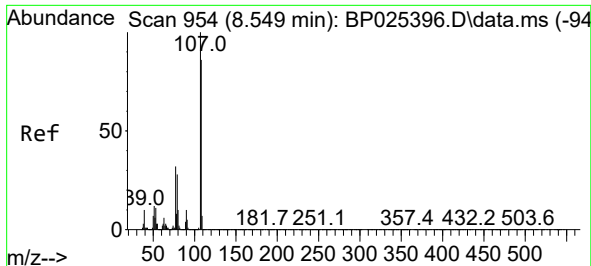
Tgt Ion: 77 Resp: 70350
Ion Ratio Lower Upper
77 100
105 95.3 84.8 124.8
106 89.5 80.5 120.5



#15
Benzyl Alcohol
Concen: 9.802 ng
RT: 8.013 min Scan# 863
Delta R.T. -0.012 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion: 79 Resp: 73007
Ion Ratio Lower Upper
79 100
108 76.3 63.8 95.6
77 62.7 49.0 73.4

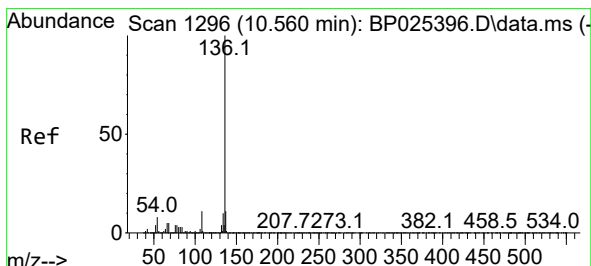
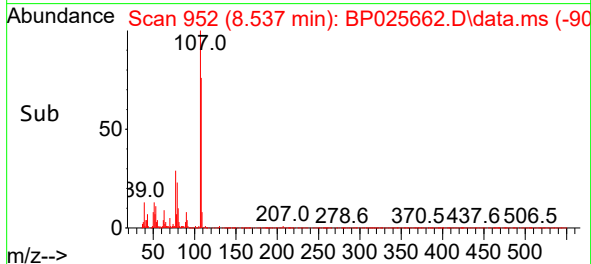
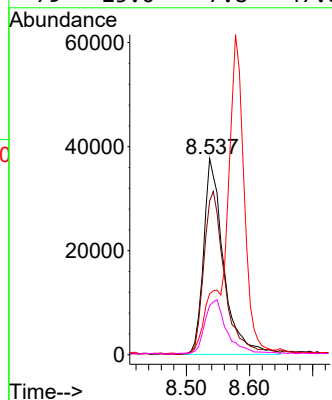
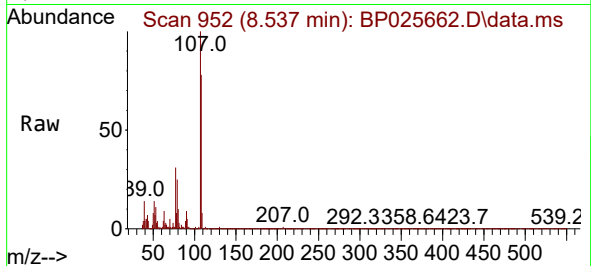




#20
3+4-Methylphenols
Concen: 8.761 ng
RT: 8.537 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

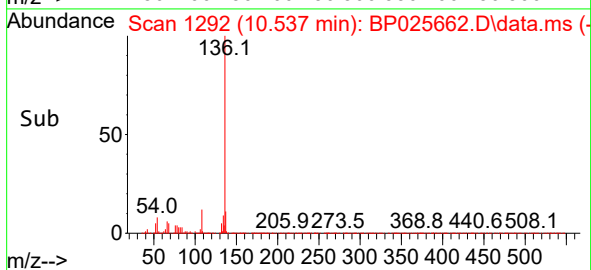
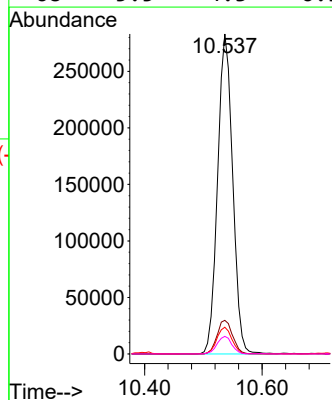
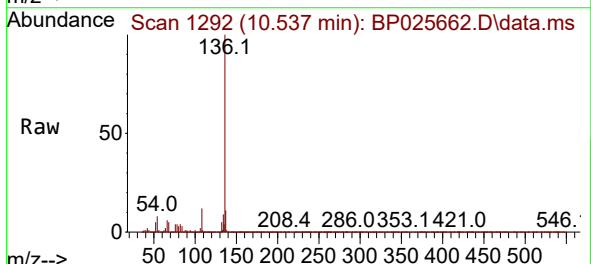
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

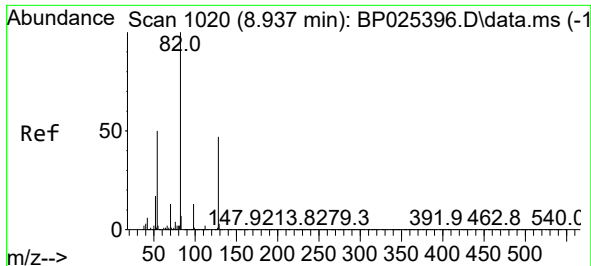
Tgt Ion:107	Resp:	82959
Ion	Ratio	Lower Upper
107	100	
108	78.3	66.3 106.3
77	31.1	12.3 52.3
79	25.0	7.8 47.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 1292
Delta R.T. -0.024 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:136	Resp:	503731
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.2 13.8
54	8.3	6.0 9.0
68	5.5	4.3 6.5

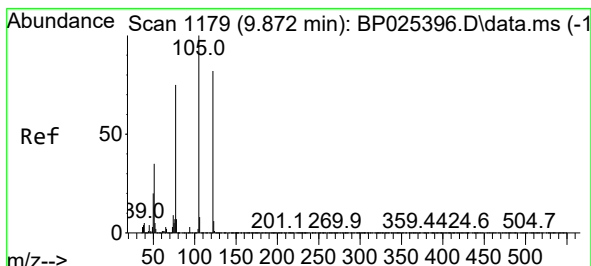
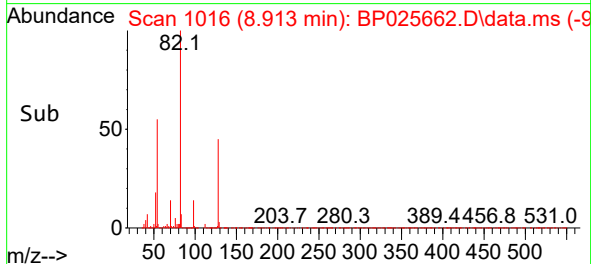
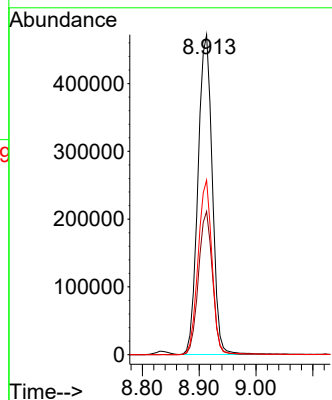
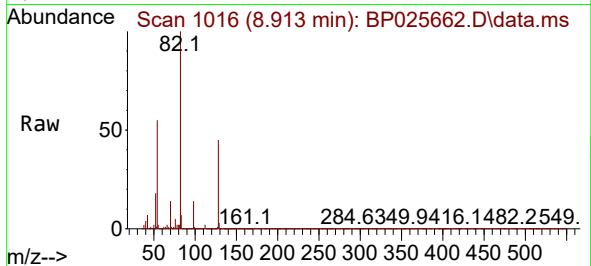




#23
Nitrobenzene-d5
Concen: 82.872 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

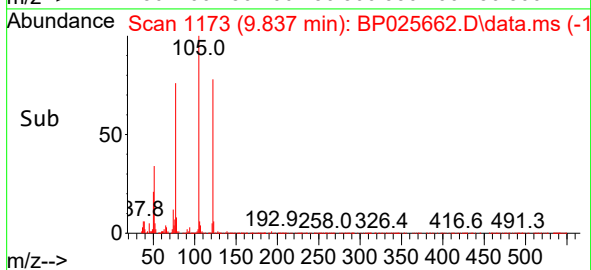
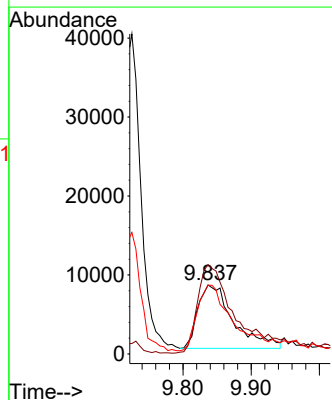
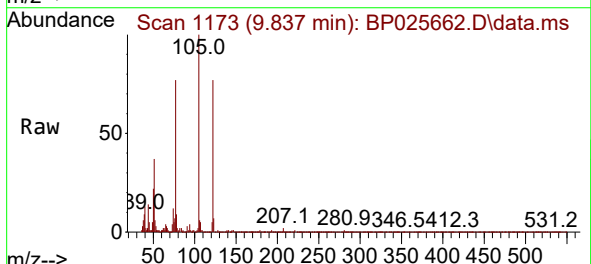
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

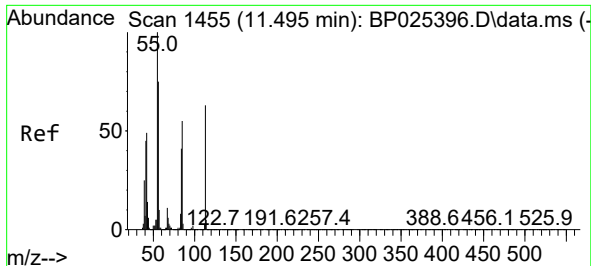
Tgt Ion: 82 Resp: 825242
Ion Ratio Lower Upper
82 100
128 44.8 37.7 56.5
54 54.6 39.8 59.6



#32
Benzoic acid
Concen: 5.017 ng
RT: 9.837 min Scan# 1173
Delta R.T. -0.035 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:122 Resp: 29090
Ion Ratio Lower Upper
122 100
105 129.4 100.6 140.6
77 99.8 71.5 111.5

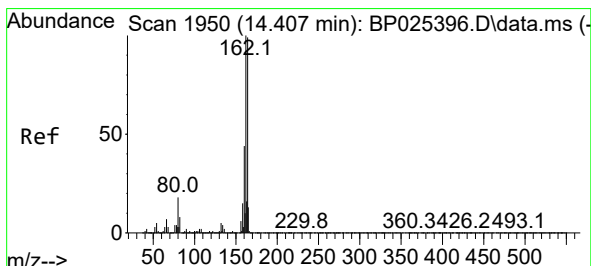
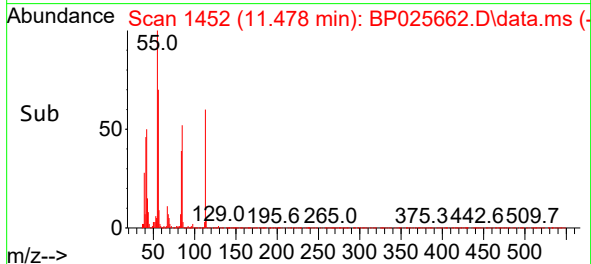
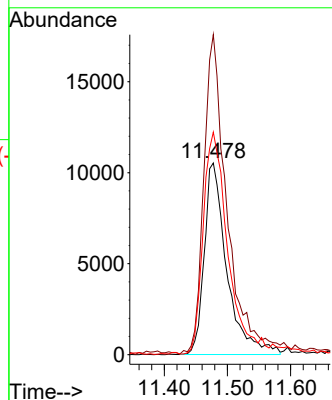
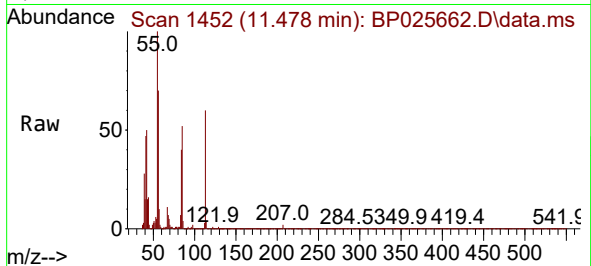




#35
Caprolactam
Concen: 9.147 ng
RT: 11.478 min Scan# 1455
Delta R.T. -0.018 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

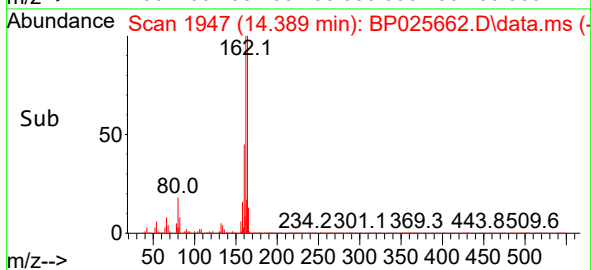
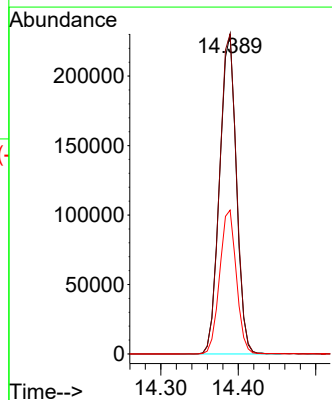
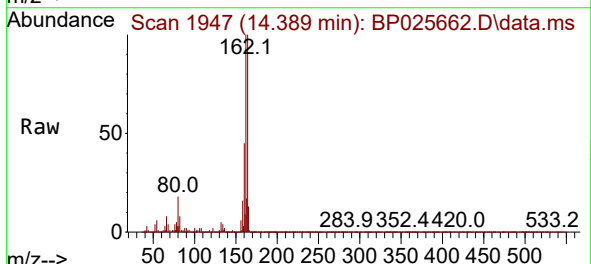
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

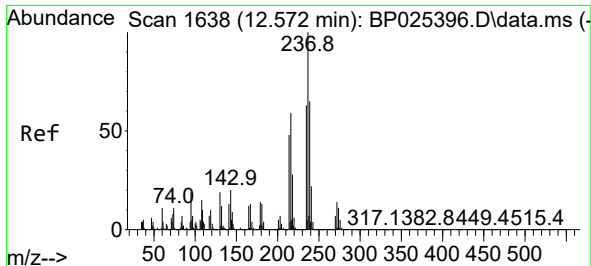
Tgt Ion:113 Resp: 26170
Ion Ratio Lower Upper
113 100
55 166.9 140.0 180.0
56 116.1 100.0 140.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:164 Resp: 346147
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 45.0 35.4 53.2

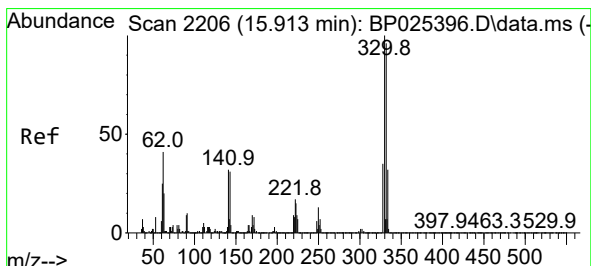
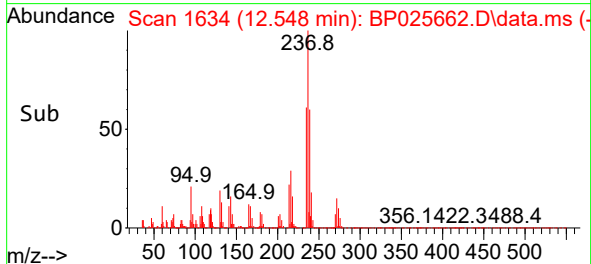
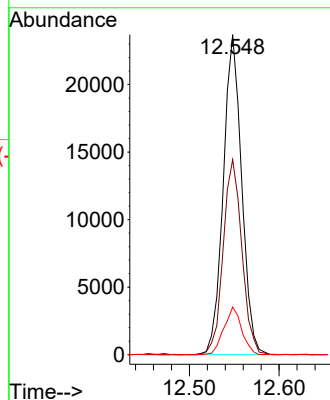
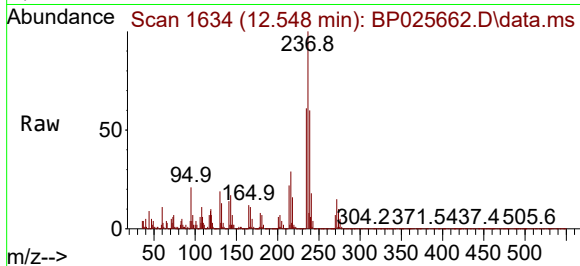




#41
Hexachlorocyclopentadiene
Concen: 5.586 ng
RT: 12.548 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

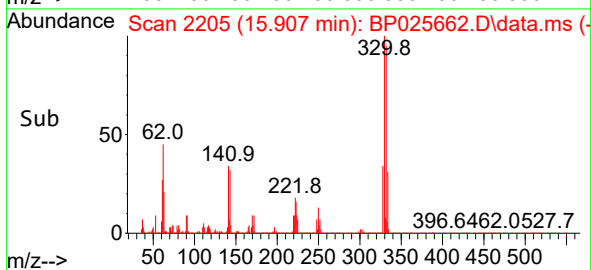
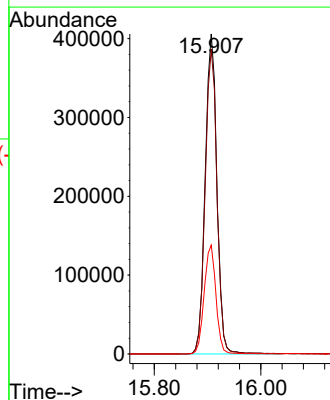
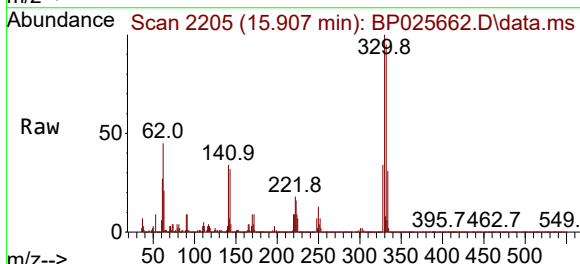
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

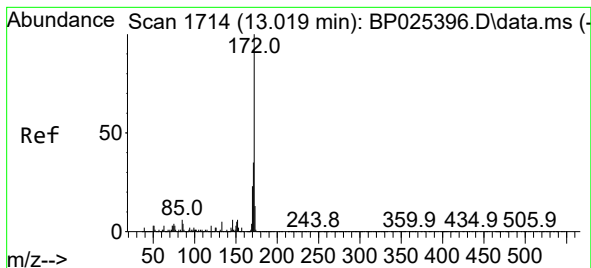
Tgt Ion:237 Resp: 33729
Ion Ratio Lower Upper
237 100
235 61.0 42.7 82.7
272 14.9 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 133.063 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:330 Resp: 619961
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 34.3 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 78.901 ng

RT: 12.995 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

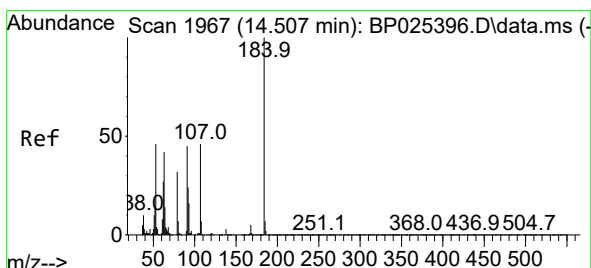
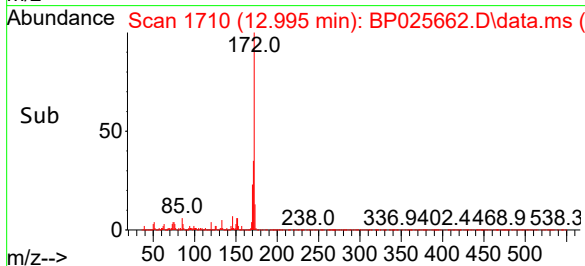
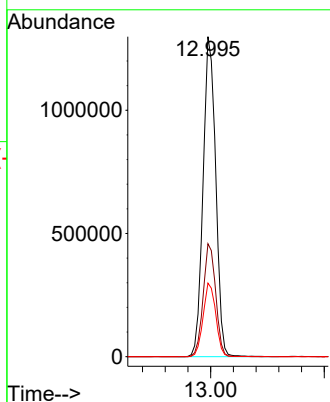
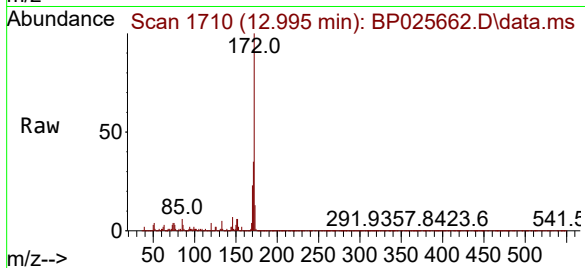
Tgt Ion:172 Resp: 1998354

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.0 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.047 ng

RT: 14.525 min Scan# 1970

Delta R.T. 0.018 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

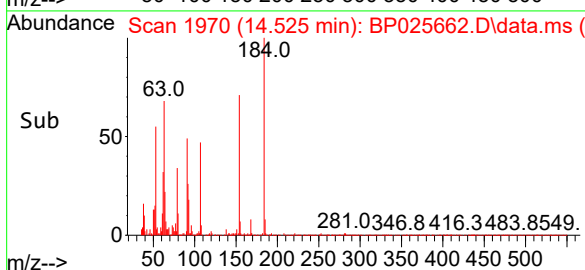
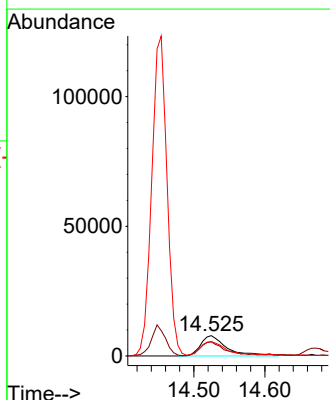
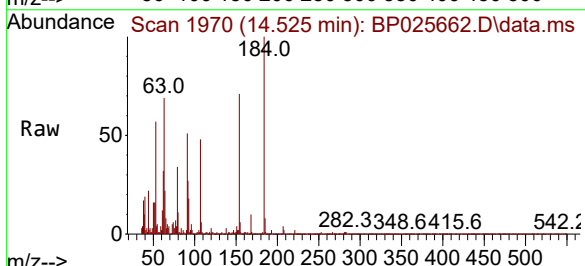
Tgt Ion:184 Resp: 20107

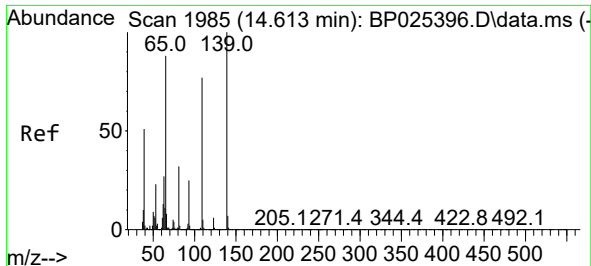
Ion Ratio Lower Upper

184 100

63 69.3 49.4 74.2

154 71.0 54.6 82.0

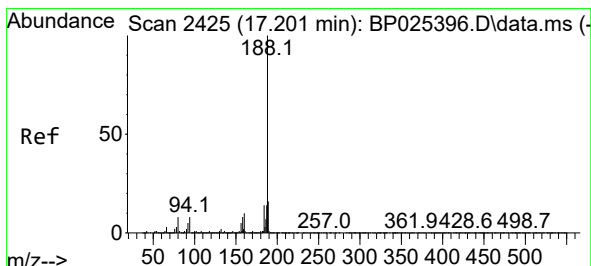
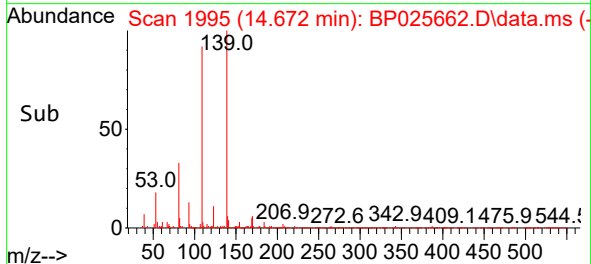
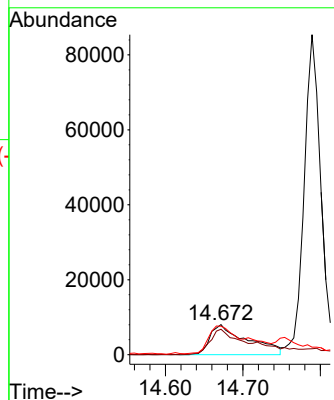
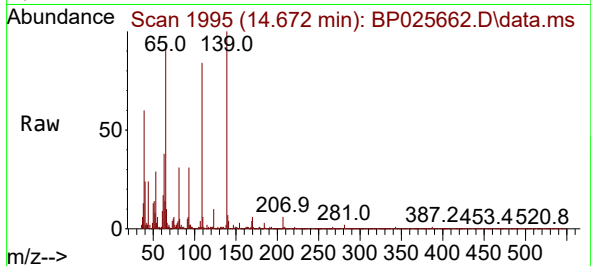




#56
4-Nitrophenol
Concen: 5.436 ng
RT: 14.672 min Scan# 1985
Delta R.T. 0.059 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

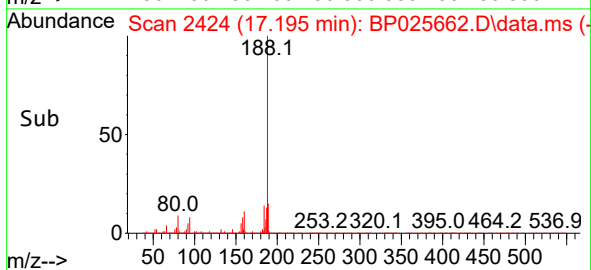
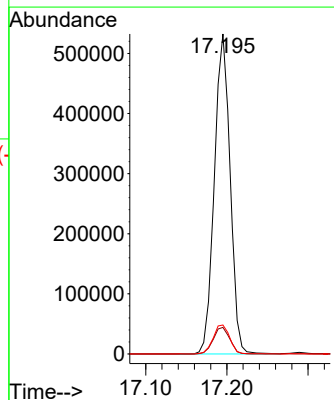
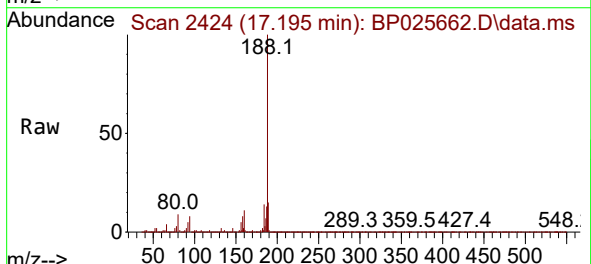
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

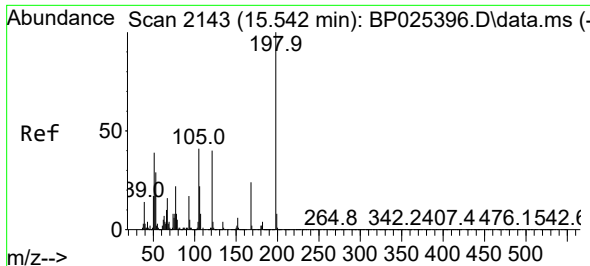
Tgt Ion:139 Resp: 26849
Ion Ratio Lower Upper
139 100
109 84.2 56.6 96.6
65 94.4 68.2 108.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:188 Resp: 718601
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.0 6.7 10.1

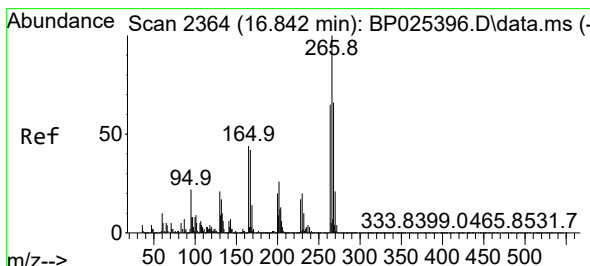
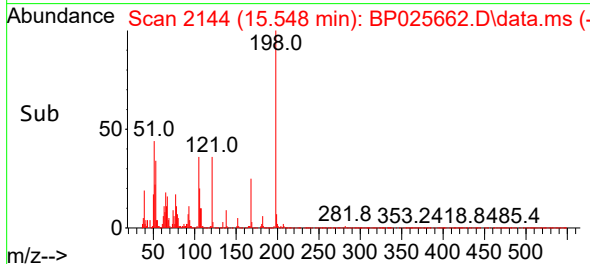
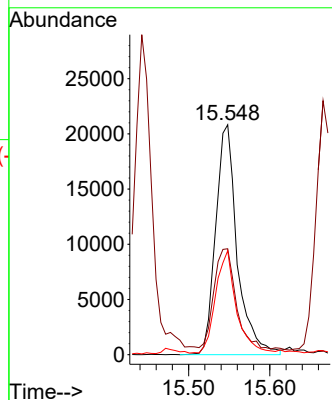
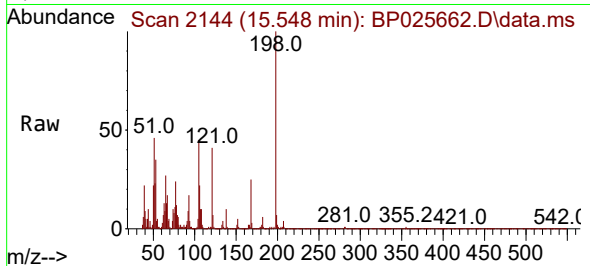




#65
4,6-Dinitro-2-methylphenol
Concen: 8.550 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

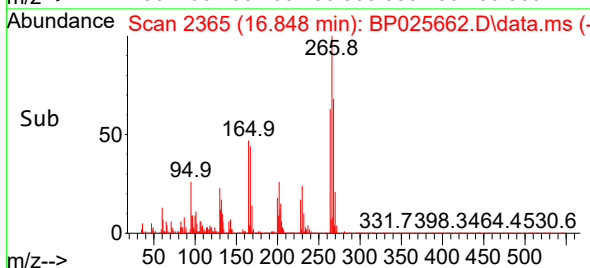
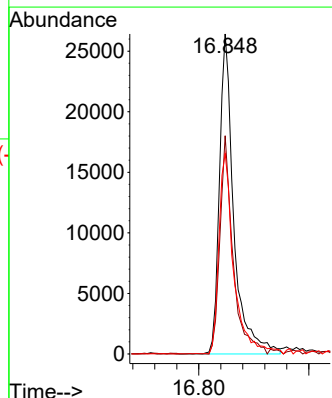
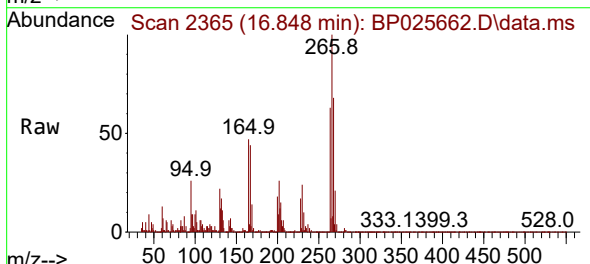
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

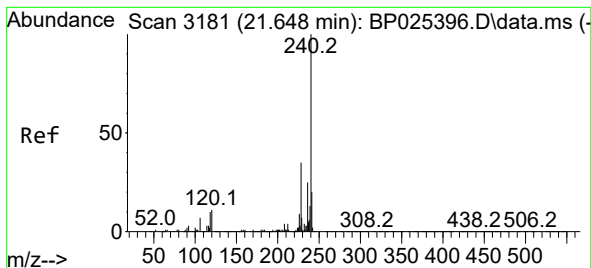
Tgt Ion:198 Resp: 38300
Ion Ratio Lower Upper
198 100
51 46.1 19.6 59.6
105 45.2 20.9 60.9



#70
Pentachlorophenol
Concen: 8.282 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025662.D
Acq: 04 Sep 2025 16:10

Tgt Ion:266 Resp: 47896
Ion Ratio Lower Upper
266 100
268 68.2 52.6 79.0
264 62.6 52.0 78.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

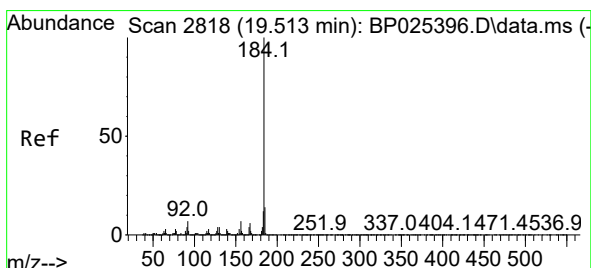
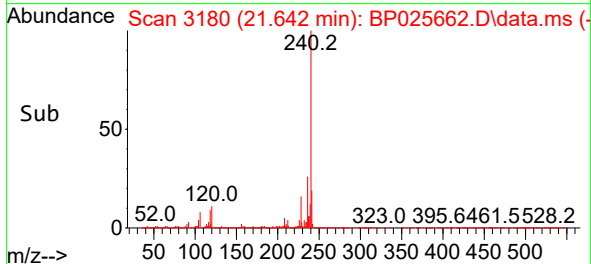
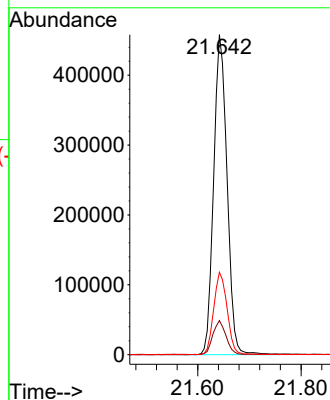
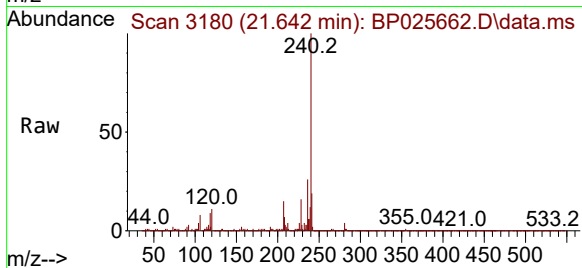
Tgt Ion:240 Resp: 823707

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.8 19.8 29.8



#77

Benzidine

Concen: 8.631 ng

RT: 19.518 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

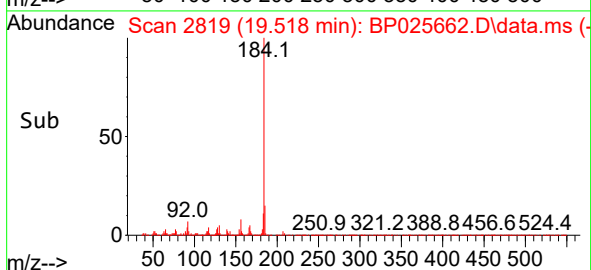
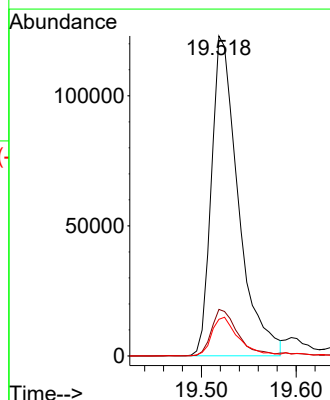
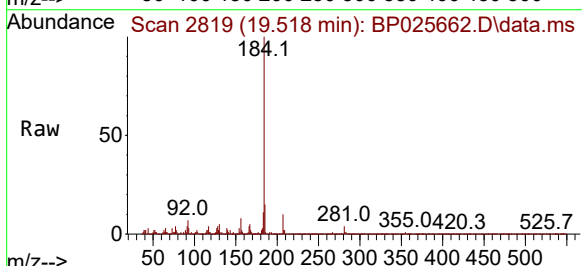
Tgt Ion:184 Resp: 242625

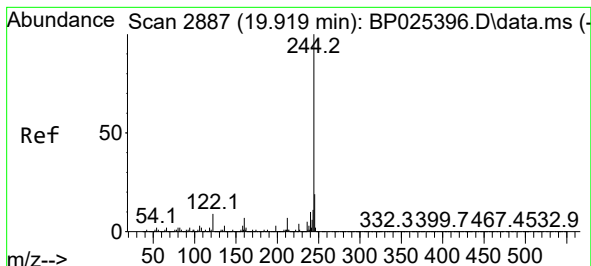
Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 11.5 9.4 14.2





#79

Terphenyl-d14

Concen: 81.101 ng

RT: 19.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

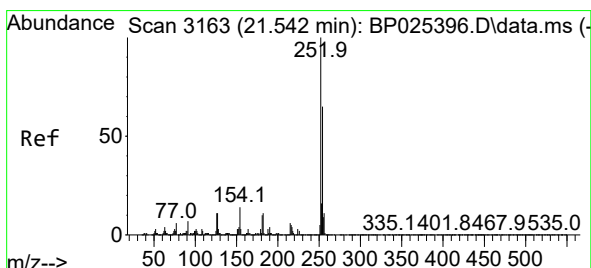
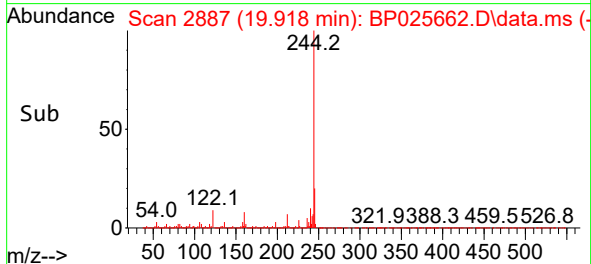
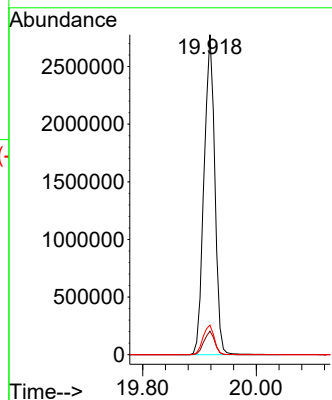
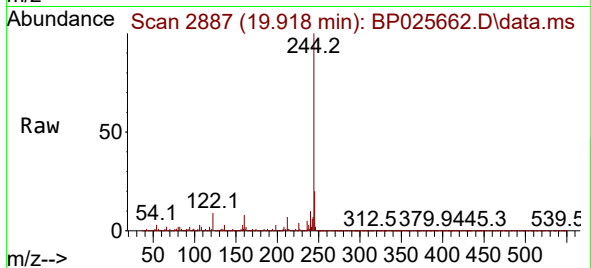
Tgt Ion:244 Resp: 3651334

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.3 7.4 11.2



#82

3,3'-Dichlorobenzidine

Concen: 9.297 ng

RT: 21.548 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

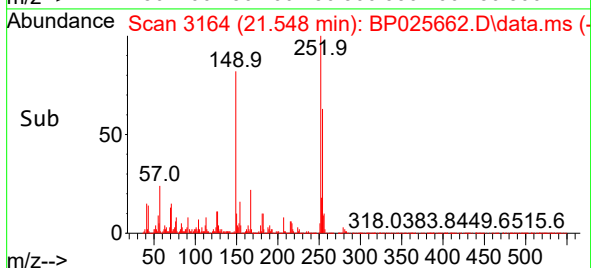
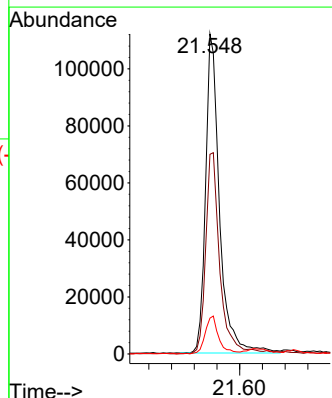
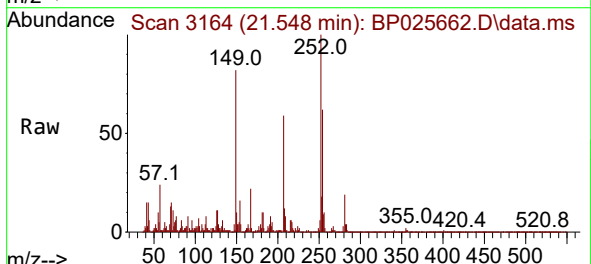
Tgt Ion:252 Resp: 190364

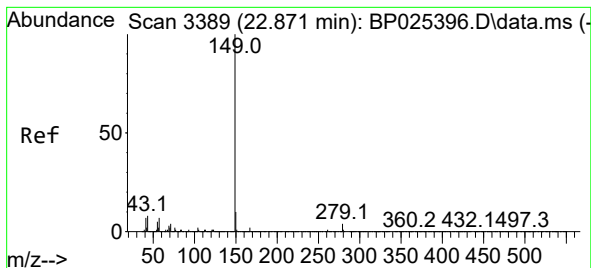
Ion Ratio Lower Upper

252 100

254 62.4 51.8 77.6

126 11.2 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 9.666 ng

RT: 22.848 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

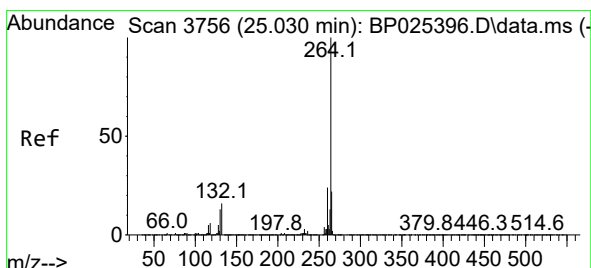
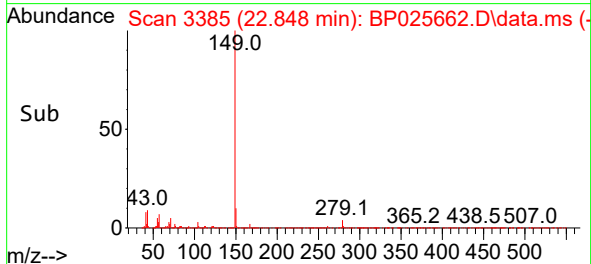
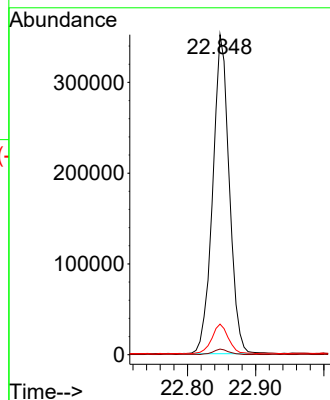
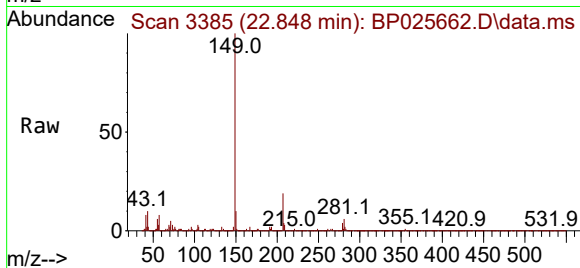
Tgt Ion:149 Resp: 593864

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3754

Delta R.T. -0.012 min

Lab File: BP025662.D

Acq: 04 Sep 2025 16:10

Tgt Ion:264 Resp: 901236

Ion Ratio Lower Upper

264 100

260 23.1 19.3 28.9

265 21.3 17.4 26.0

