

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143642.D
 Acq On : 04 Sep 2025 14:14
 Operator : RC/JU
 Sample : Q2893-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 04 14:57:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

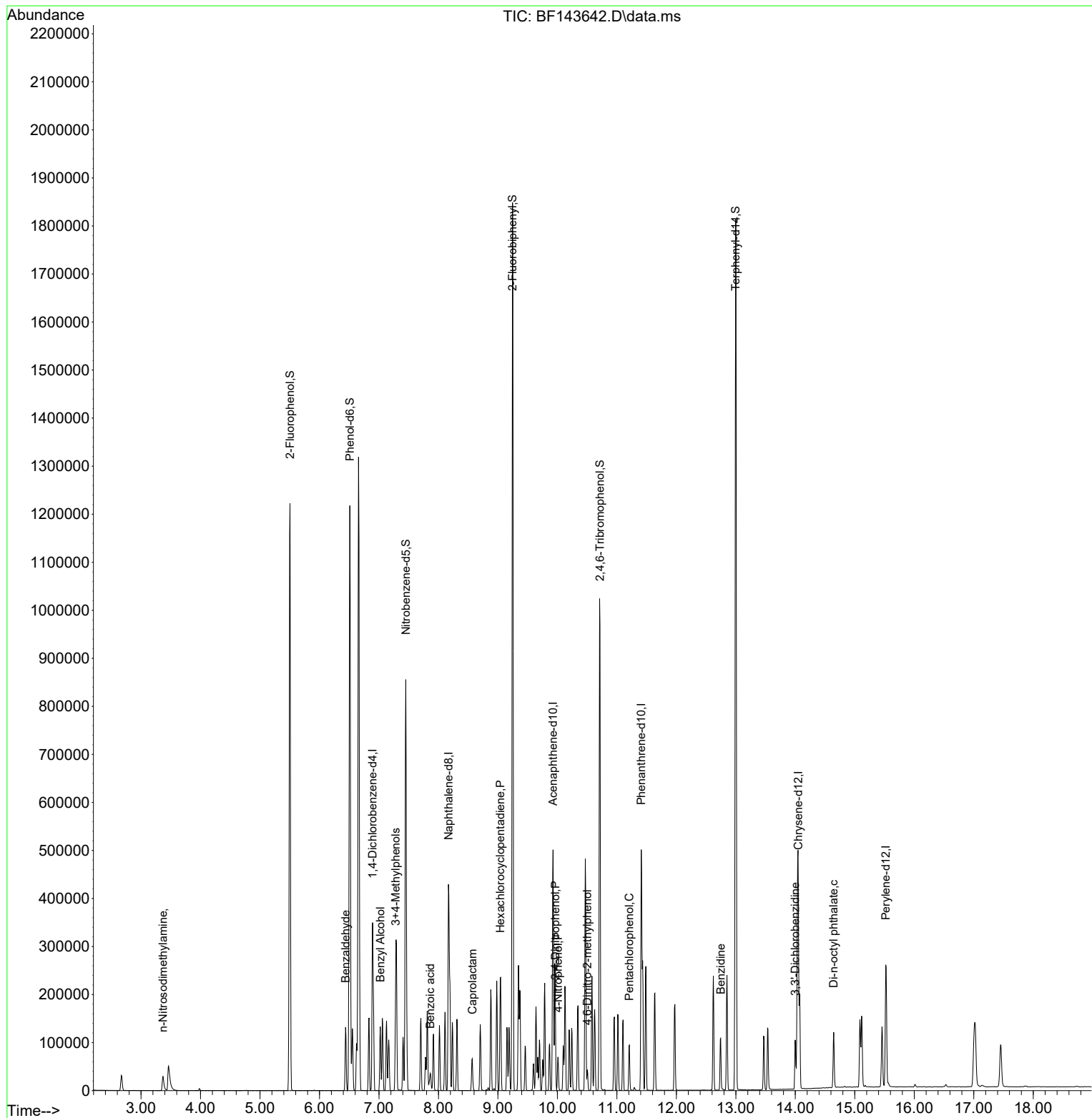
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	69976	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	270784	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	155214	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258248	20.000	ng	0.00
76) Chrysene-d12	14.051	240	176099	20.000	ng	0.00
86) Perylene-d12	15.521	264	158557	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	487637	123.454	ng	0.00
7) Phenol-d6	6.510	99	612827	125.003	ng	0.00
23) Nitrobenzene-d5	7.451	82	383616	99.570	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	188825	145.481	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	843980	86.873	ng	0.00
79) Terphenyl-d14	12.998	244	930854	88.076	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.369	42	18787	9.161	ng	100
9) Benzaldehyde	6.440	77	35613	9.777	ng	100
15) Benzyl Alcohol	7.022	79	37050	9.946	ng	99
20) 3+4-Methylphenols	7.281	107	46306	10.285	ng	95
32) Benzoic acid	7.863	122	13227	12.376	ng	93
35) Caprolactam	8.569	113	9436	9.493	ng	92
41) Hexachlorocyclopentadiene	9.040	237	25154	12.076	ng	98
54) 2,4-Dinitrophenol	9.969	184	4515	14.049	ng	# 1
56) 4-Nitrophenol	10.010	139	14597	10.017	ng	97
65) 4,6-Dinitro-2-methylph...	10.504	198	7839	14.422	ng	98
70) Pentachlorophenol	11.210	266	16371	9.263	ng	96
77) Benzidine	12.745	184	61400	15.240	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	31753	10.212	ng	99
85) Di-n-octyl phthalate	14.645	149	81923	7.841	ng	98

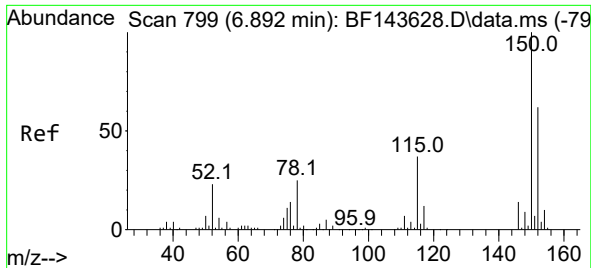
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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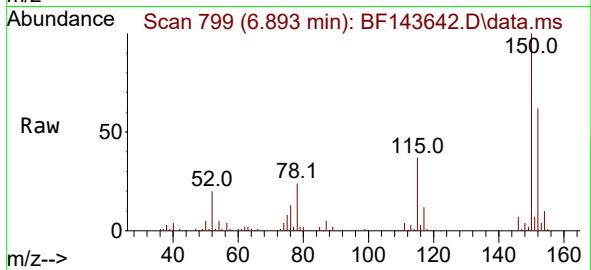
Quant Time: Sep 04 14:57:08 2025
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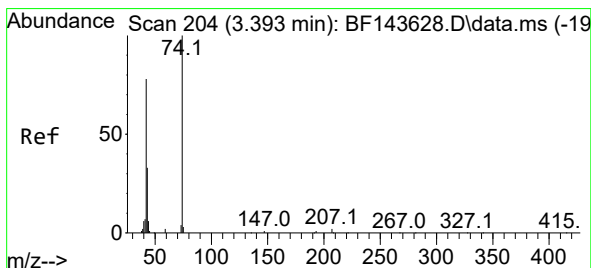
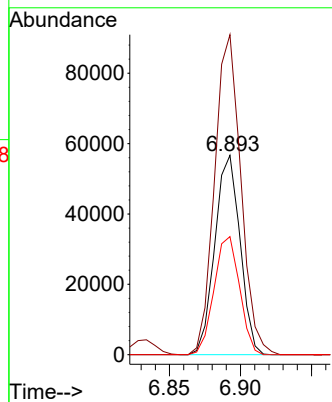
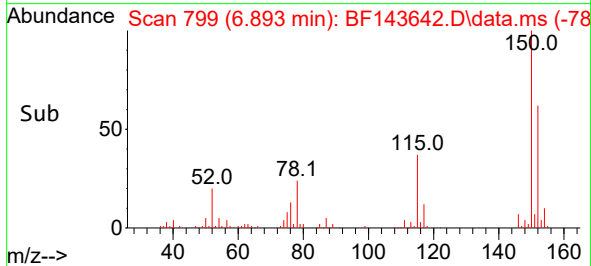


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.001 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

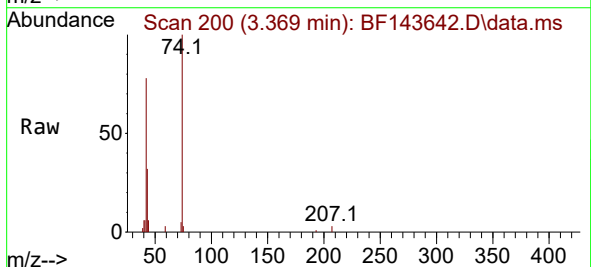
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT3-2025



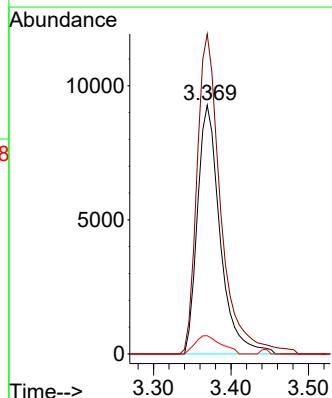
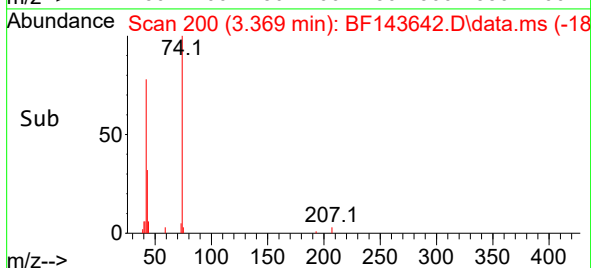
Tgt Ion:152 Resp: 69976
Ion Ratio Lower Upper
152 100
150 160.6 128.4 192.6
115 59.2 47.9 71.9

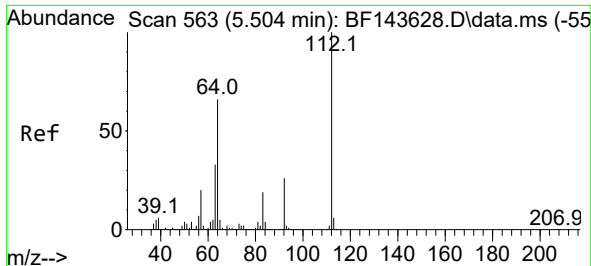


#4
n-Nitrosodimethylamine
Concen: 9.161 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.023 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14



Tgt Ion: 42 Resp: 18787
Ion Ratio Lower Upper
42 100
74 128.6 102.9 154.3
44 7.4 6.5 9.7

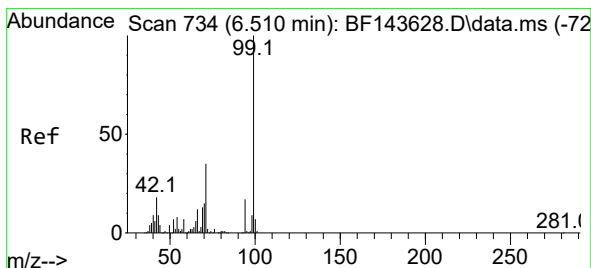
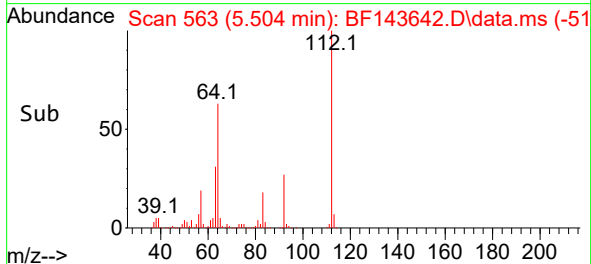
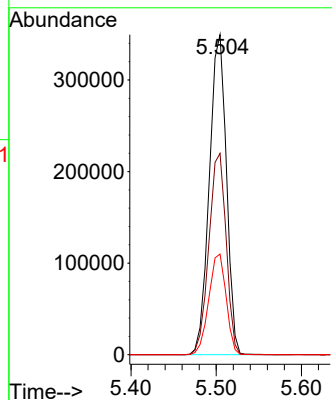
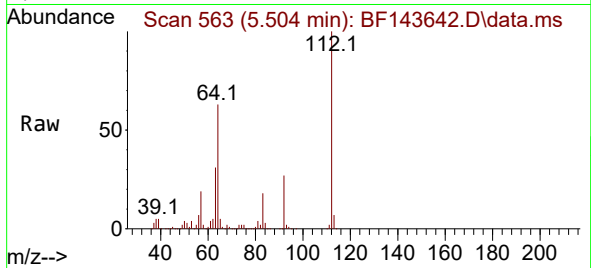




#5
2-Fluorophenol
Concen: 123.454 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

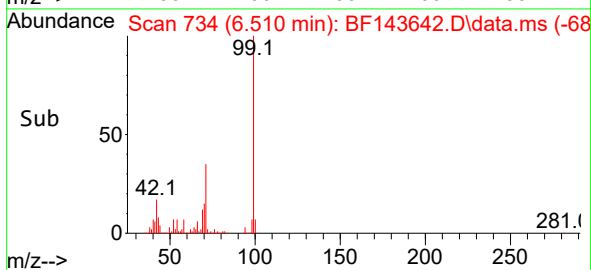
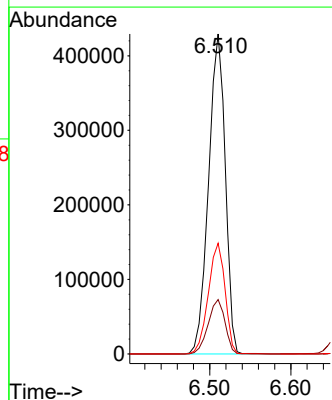
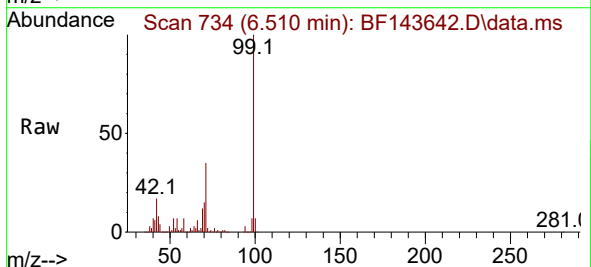
Instrument :
BNA_F
ClientSampleId :
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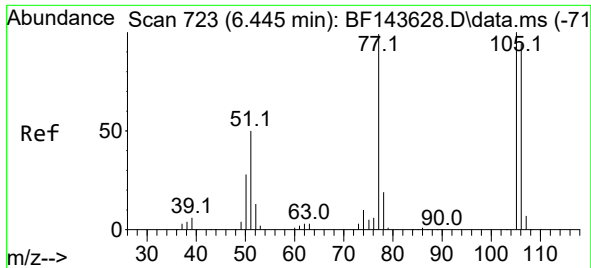
Tgt Ion:112 Resp: 487637
Ion Ratio Lower Upper
112 100
64 62.9 52.7 79.1
63 31.4 26.5 39.7



#7
Phenol-d6
Concen: 125.003 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion: 99 Resp: 612827
Ion Ratio Lower Upper
99 100
42 17.0 14.6 22.0
71 34.6 28.0 42.0

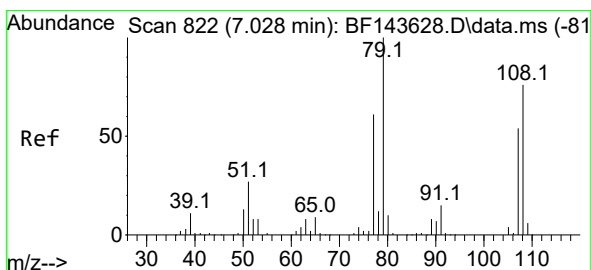
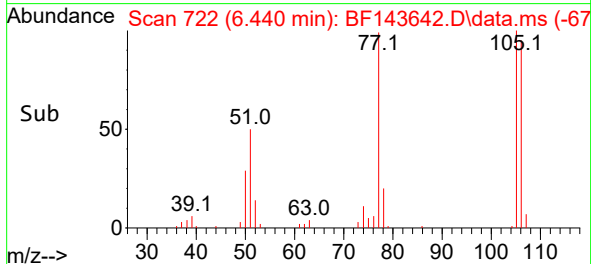
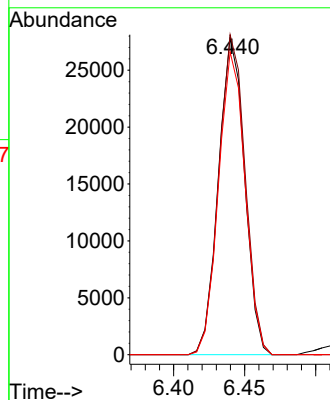
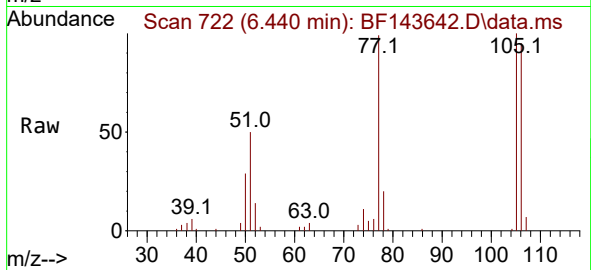




#9
Benzaldehyde
Concen: 9.777 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

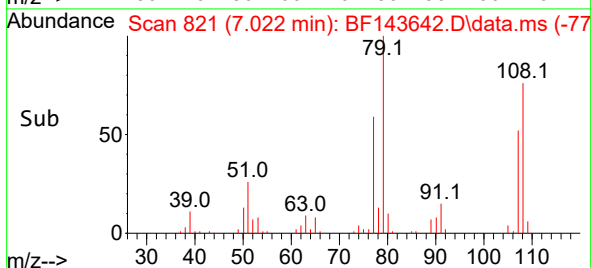
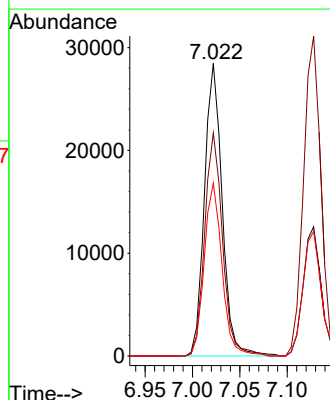
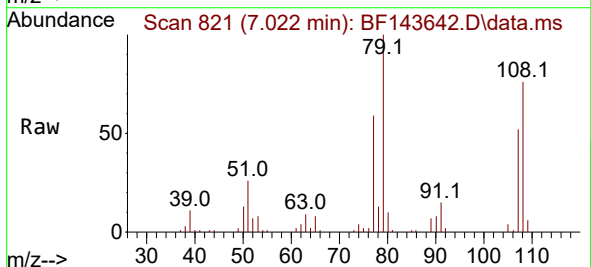
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT3-2025

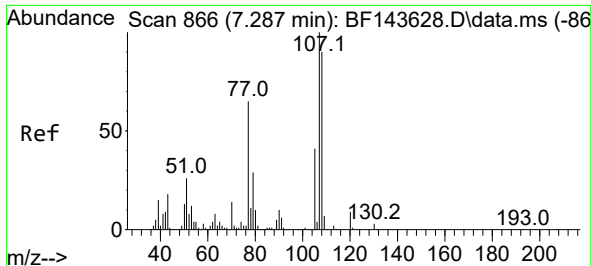
Tgt Ion: 77 Resp: 35613
Ion Ratio Lower Upper
77 100
105 100.9 80.9 120.9
106 95.4 75.1 115.1



#15
Benzyl Alcohol
Concen: 9.946 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion: 79 Resp: 37050
Ion Ratio Lower Upper
79 100
108 76.3 60.9 91.3
77 59.0 48.4 72.6





#20

3+4-Methylphenols

Concen: 10.285 ng

RT: 7.281 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF143642.D

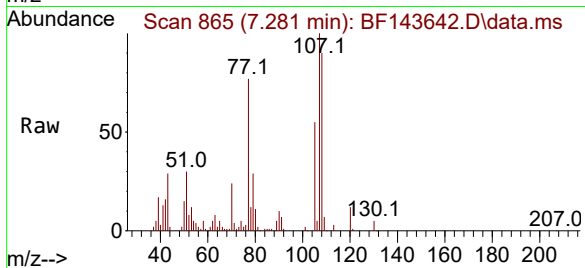
Acq: 04 Sep 2025 14:14

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT3-2025



Tgt Ion:107 Resp: 46306

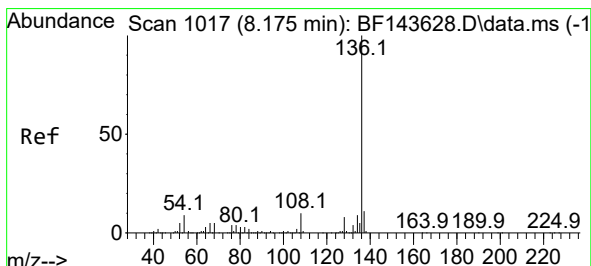
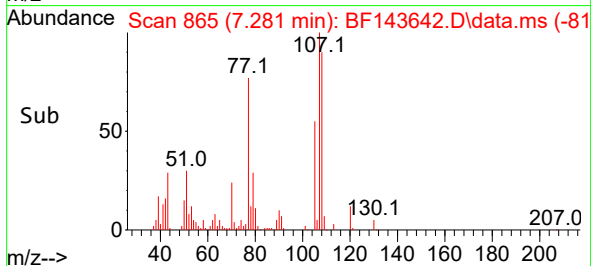
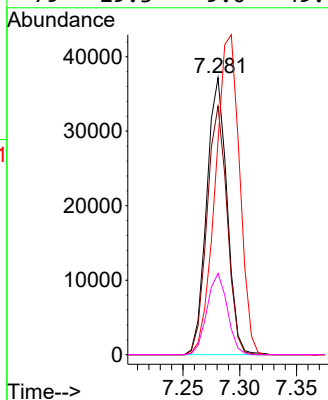
Ion Ratio Lower Upper

107 100

108 89.7 69.6 109.6

77 77.2 45.5 85.5

79 29.3 9.0 49.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

Tgt Ion:136 Resp: 270784

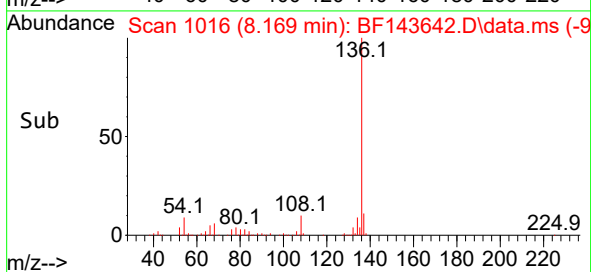
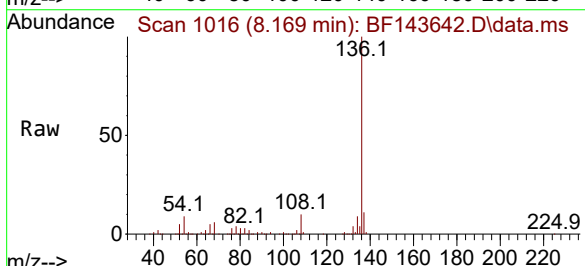
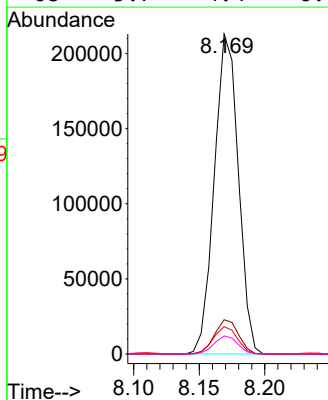
Ion Ratio Lower Upper

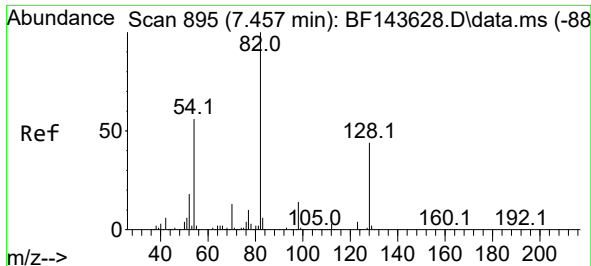
136 100

137 10.7 8.6 12.8

54 8.6 7.3 10.9

68 5.7 4.4 6.6

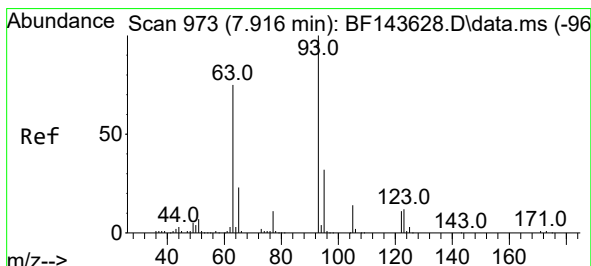
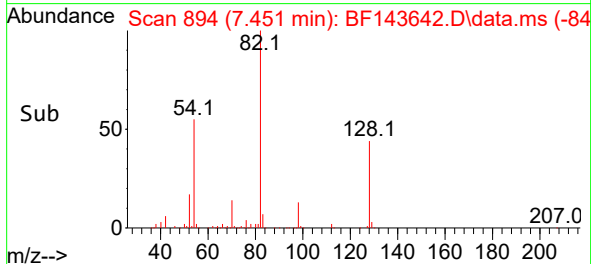
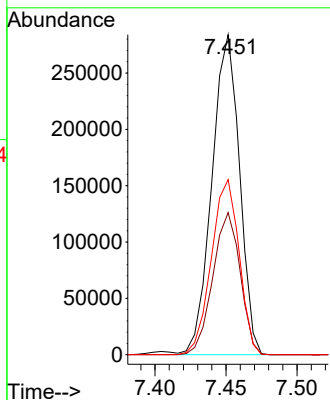
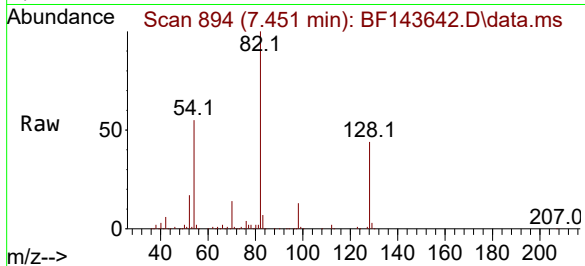




#23
Nitrobenzene-d5
Concen: 99.570 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

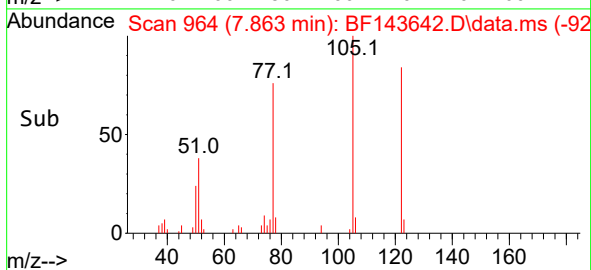
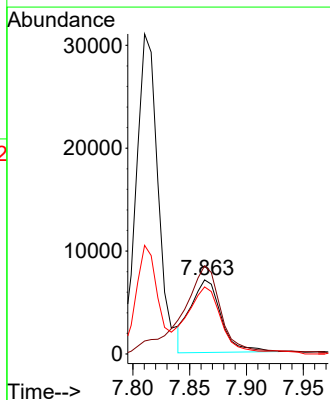
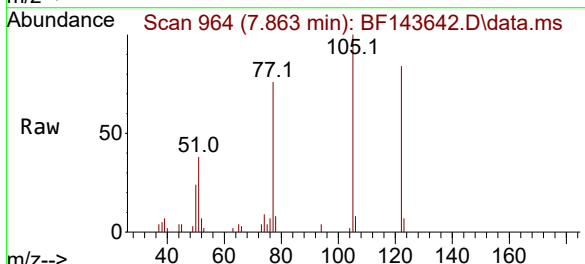
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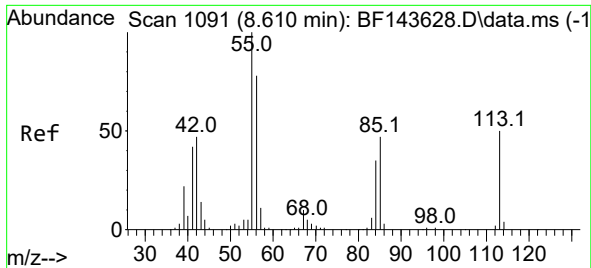
Tgt Ion: 82 Resp: 383616
Ion Ratio Lower Upper
82 100
128 44.4 34.7 52.1
54 54.7 44.8 67.2



#32
Benzoic acid
Concen: 12.376 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.053 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion:122 Resp: 13227
Ion Ratio Lower Upper
122 100
105 119.0 105.9 145.9
77 90.4 78.6 118.6

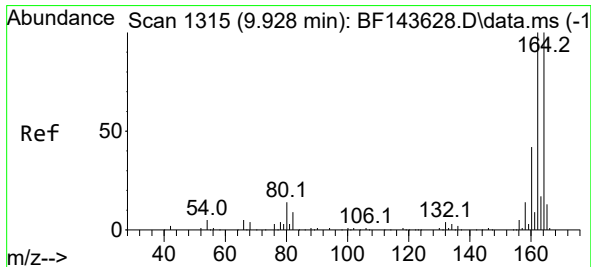
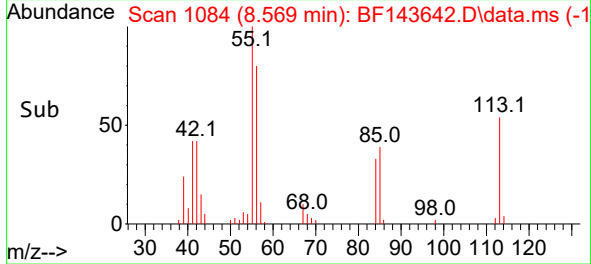
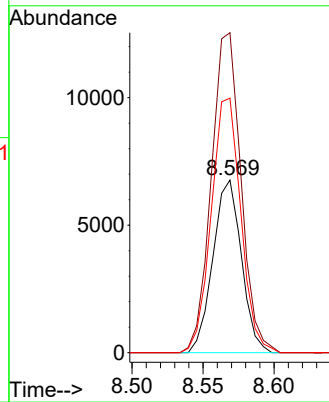
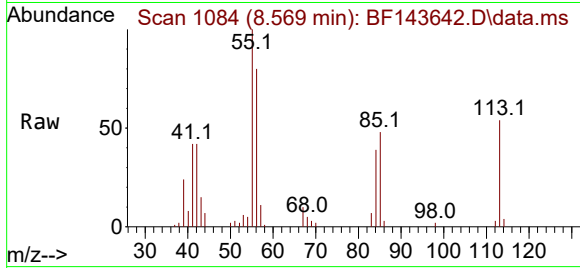




#35
 Caprolactam
 Concen: 9.493 ng
 RT: 8.569 min Scan# 1091
 Delta R.T. -0.041 min
 Lab File: BF143642.D
 Acq: 04 Sep 2025 14:14

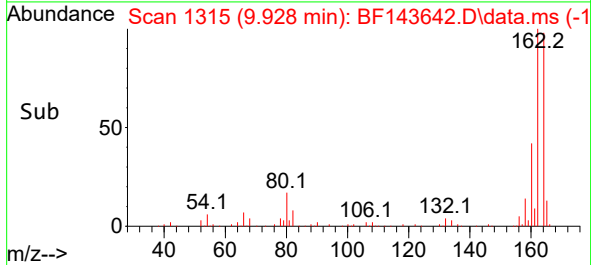
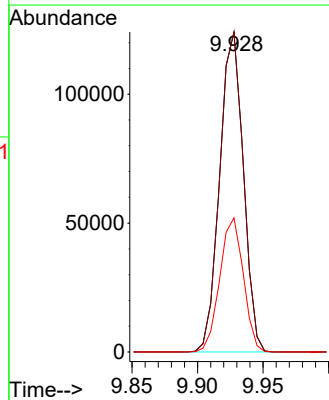
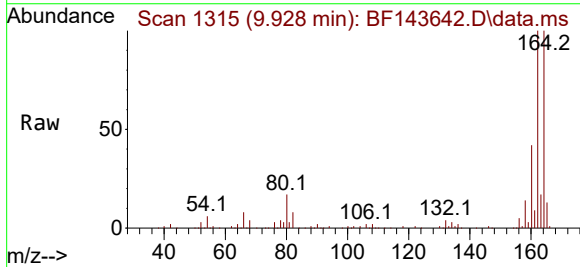
Instrument :
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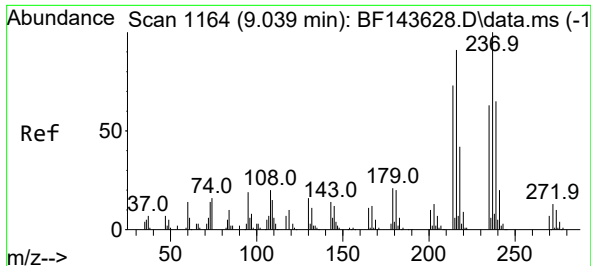
Tgt Ion:113 Resp: 9436
 Ion Ratio Lower Upper
 113 100
 55 185.3 180.5 220.5
 56 147.4 134.8 174.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.928 min Scan# 1315
 Delta R.T. -0.000 min
 Lab File: BF143642.D
 Acq: 04 Sep 2025 14:14

Tgt Ion:164 Resp: 155214
 Ion Ratio Lower Upper
 164 100
 162 100.2 80.3 120.5
 160 41.9 34.0 51.0

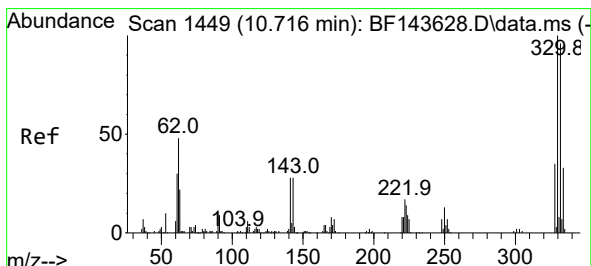
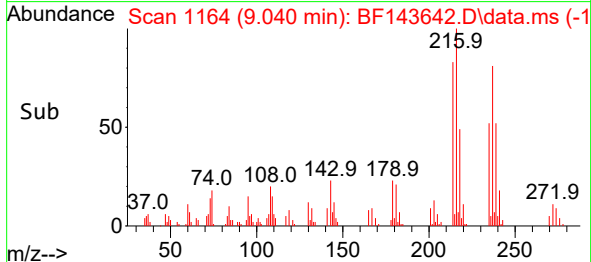
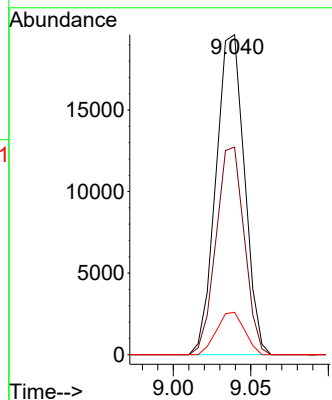
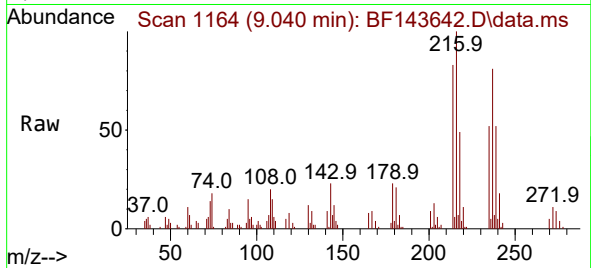




#41
Hexachlorocyclopentadiene
Concen: 12.076 ng
RT: 9.040 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

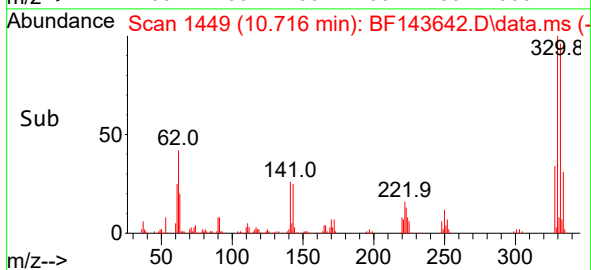
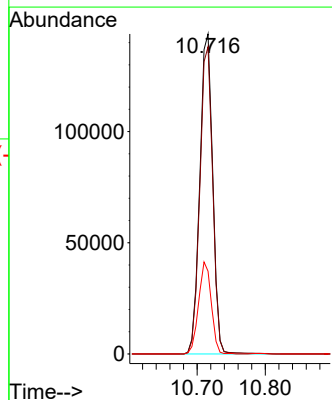
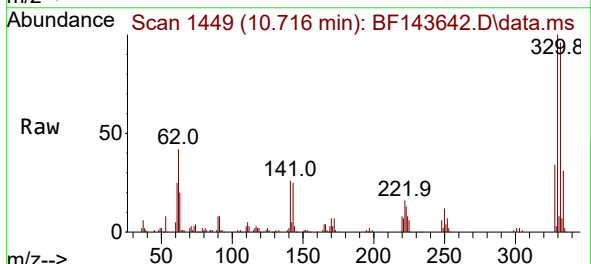
Instrument :
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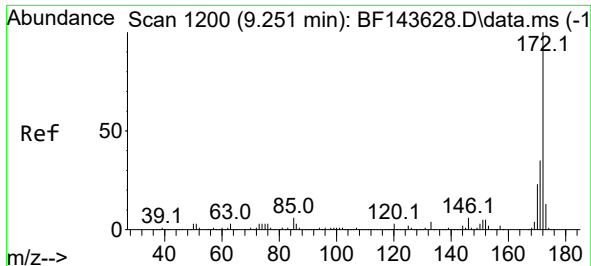
Tgt Ion:237	Resp:	25154
Ion	Ratio	Lower Upper
237	100	
235	64.9	43.0 83.0
272	13.2	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 145.481 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion:330	Resp:	188825
Ion	Ratio	Lower Upper
330	100	
332	95.6	77.0 115.6
141	28.2	23.5 35.3





#45

2-Fluorobiphenyl

Concen: 86.873 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT3-2025

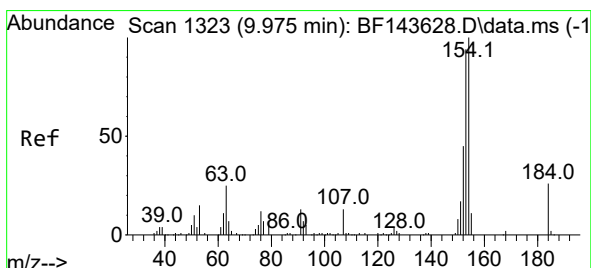
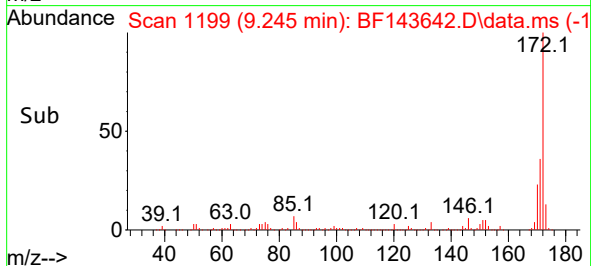
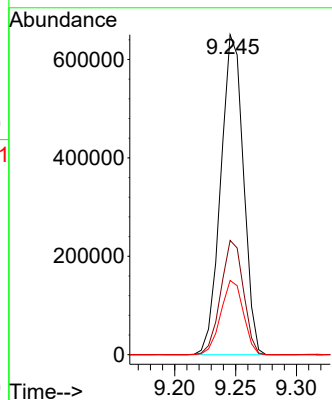
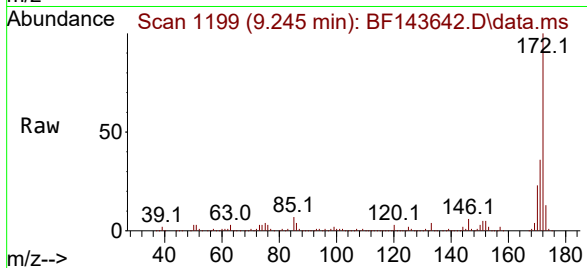
Tgt Ion:172 Resp: 843980

Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.2 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 14.049 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

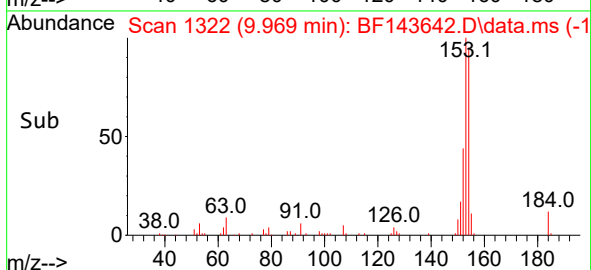
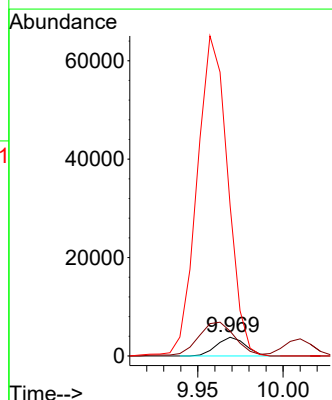
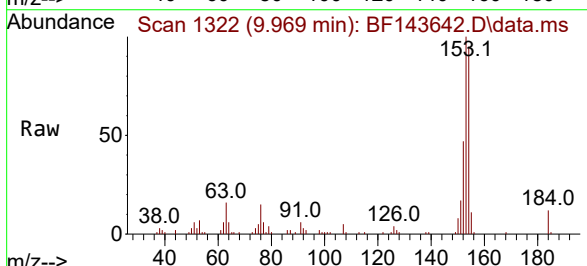
Tgt Ion:184 Resp: 4515

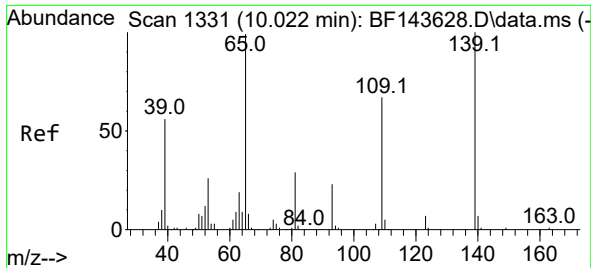
Ion Ratio Lower Upper

184 100

63 132.2 81.8 122.8#

154 802.1 348.3 522.5#

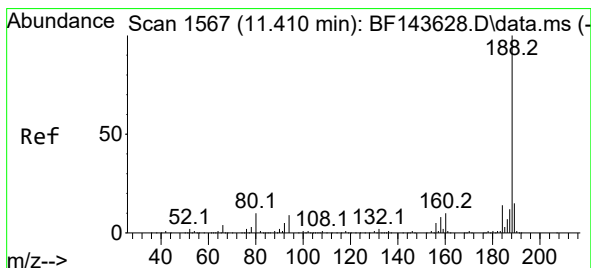
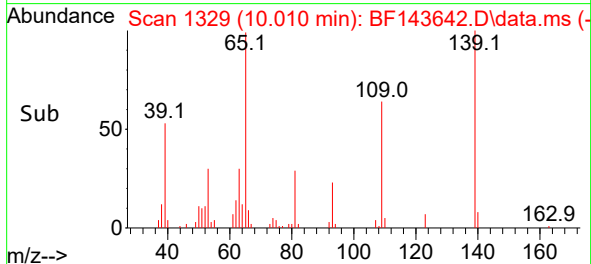
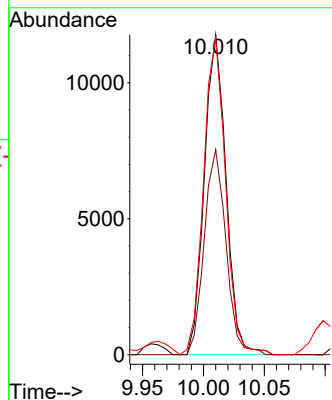
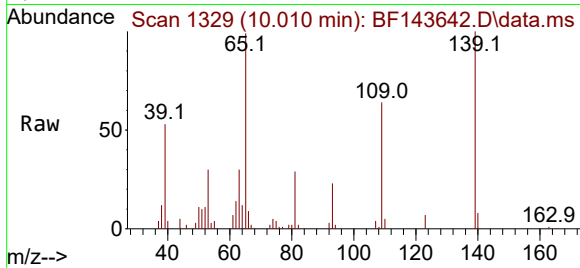




#56
4-Nitrophenol
Concen: 10.017 ng
RT: 10.010 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

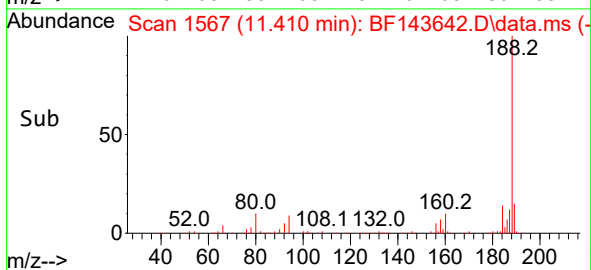
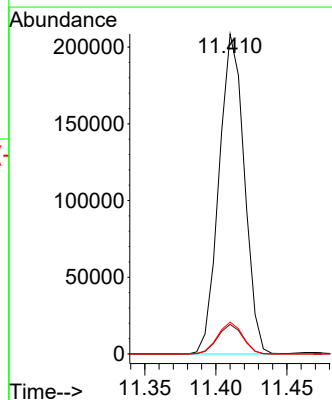
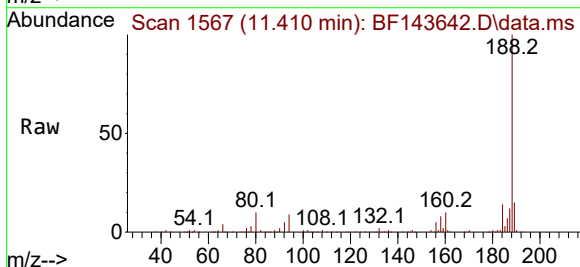
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT3-2025

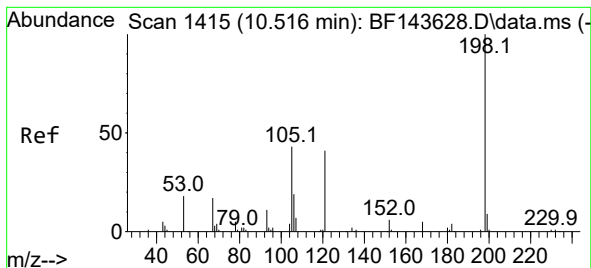
Tgt Ion:139 Resp: 14597
Ion Ratio Lower Upper
139 100
109 64.0 47.6 87.6
65 99.1 80.5 120.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion:188 Resp: 258248
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.9 8.4 12.6

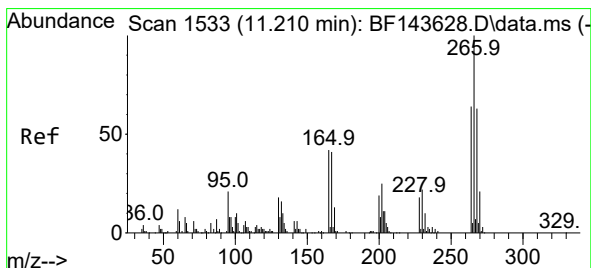
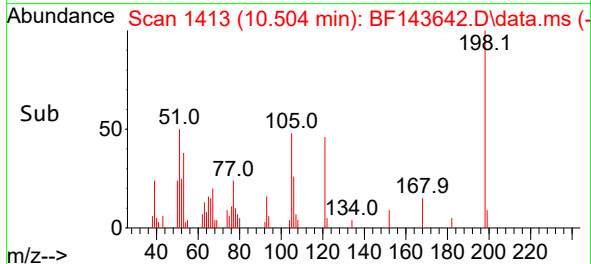
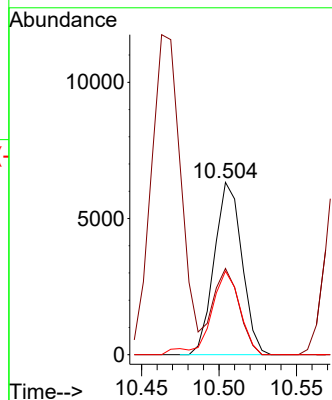
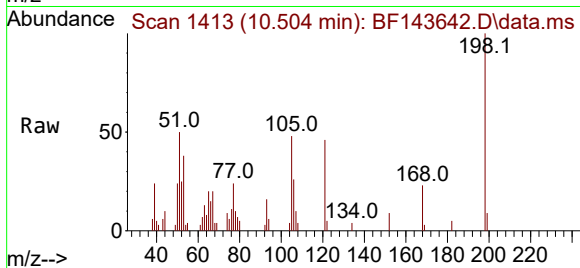




#65
4,6-Dinitro-2-methylphenol
Concen: 14.422 ng
RT: 10.504 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

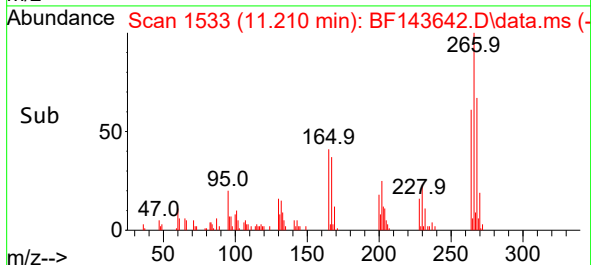
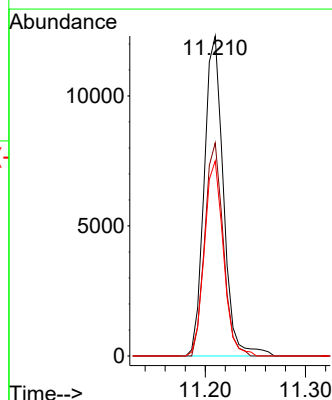
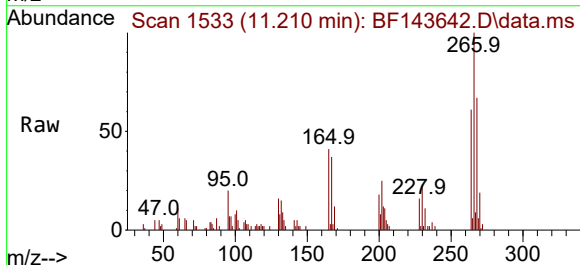
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT3-2025

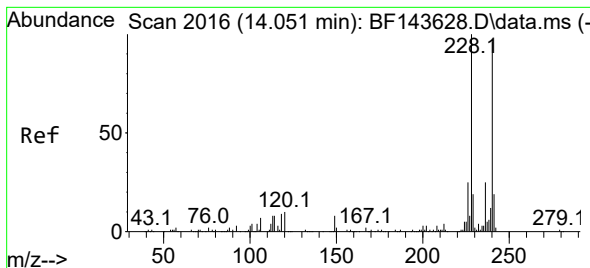
Tgt Ion:198 Resp: 7839
Ion Ratio Lower Upper
198 100
51 50.1 30.7 70.7
105 48.5 26.0 66.0



#70
Pentachlorophenol
Concen: 9.263 ng
RT: 11.210 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BF143642.D
Acq: 04 Sep 2025 14:14

Tgt Ion:266 Resp: 16371
Ion Ratio Lower Upper
266 100
268 66.6 50.6 76.0
264 61.0 51.2 76.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF143642.D

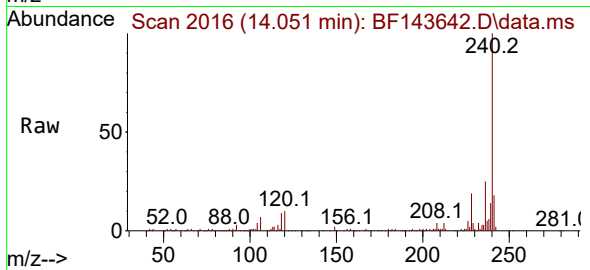
Acq: 04 Sep 2025 14:14

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT3-2025



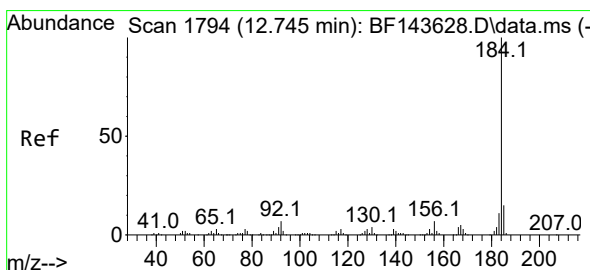
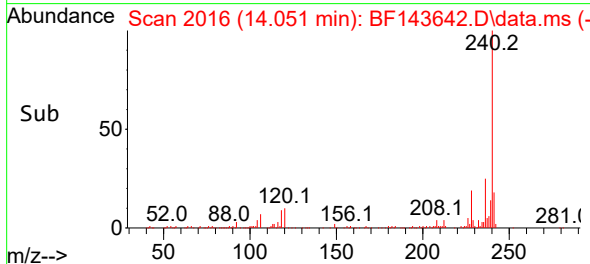
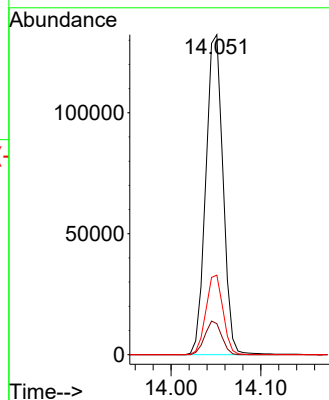
Tgt Ion:240 Resp: 176099

Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

236 24.8 20.5 30.7



#77

Benzidine

Concen: 15.240 ng

RT: 12.745 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

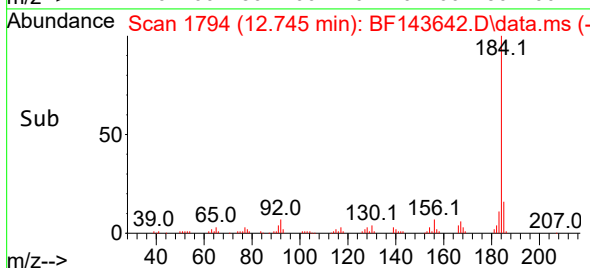
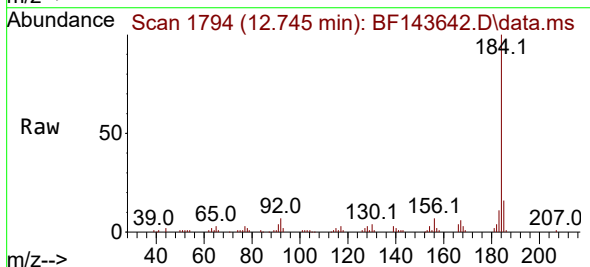
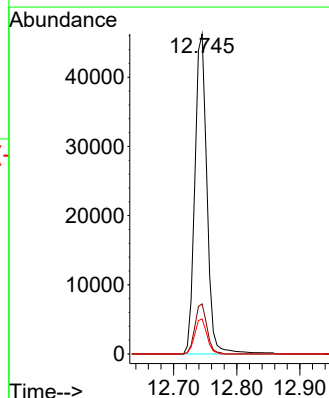
Tgt Ion:184 Resp: 61400

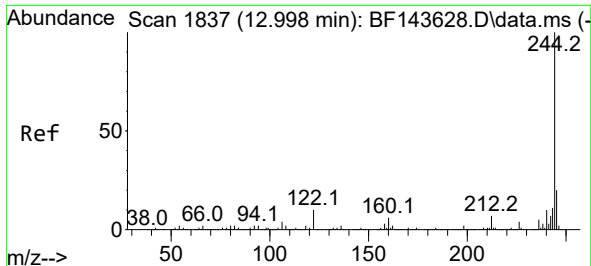
Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.6

183 10.9 9.0 13.6

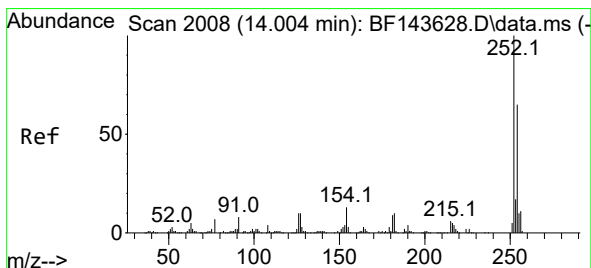
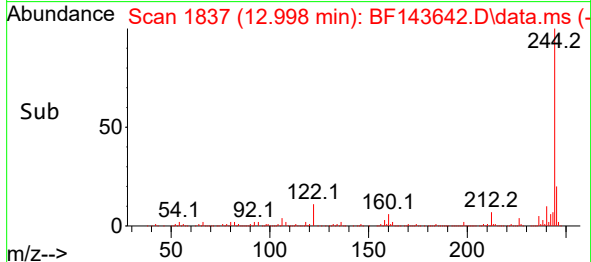
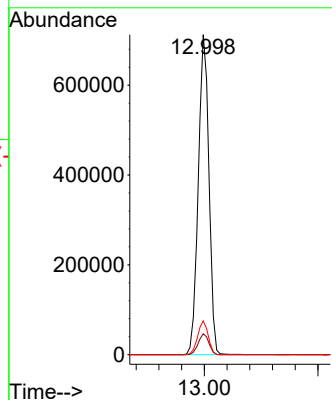
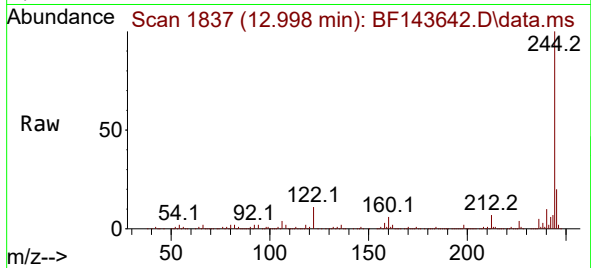




#79
 Terphenyl-d14
 Concen: 88.076 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143642.D
 Acq: 04 Sep 2025 14:14

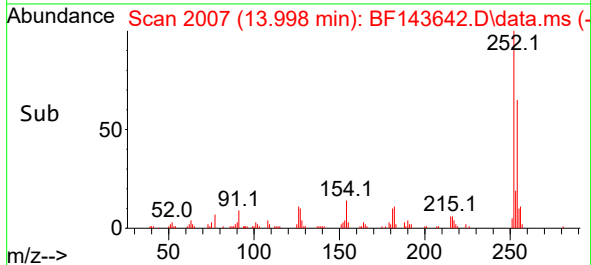
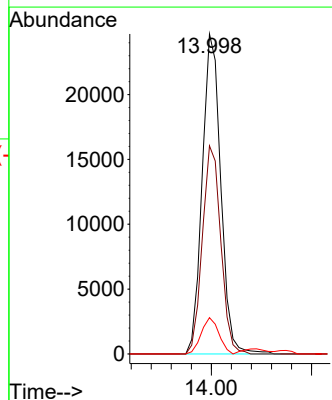
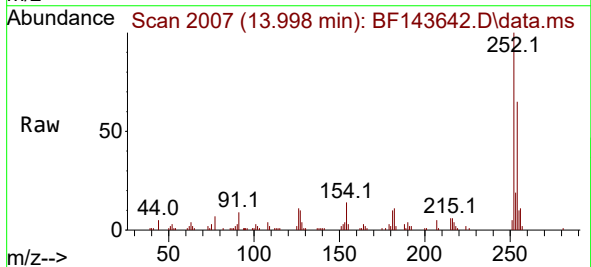
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

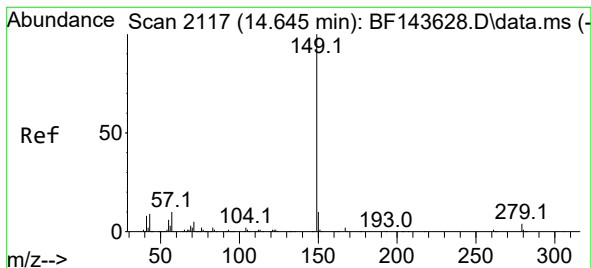
Tgt Ion:244 Resp: 930854
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.5 8.3 12.5



#82
 3,3'-Dichlorobenzidine
 Concen: 10.212 ng
 RT: 13.998 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF143642.D
 Acq: 04 Sep 2025 14:14

Tgt Ion:252 Resp: 31753
 Ion Ratio Lower Upper
 252 100
 254 65.0 52.2 78.2
 126 11.3 8.1 12.1





#85

Di-n-octyl phthalate

Concen: 7.841 ng

RT: 14.645 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT3-2025

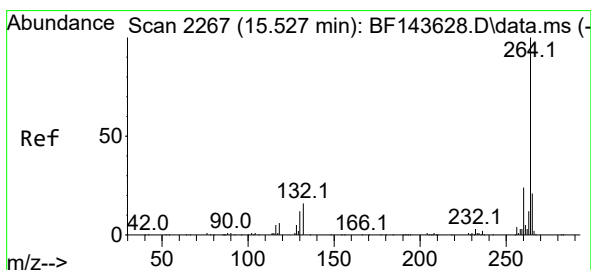
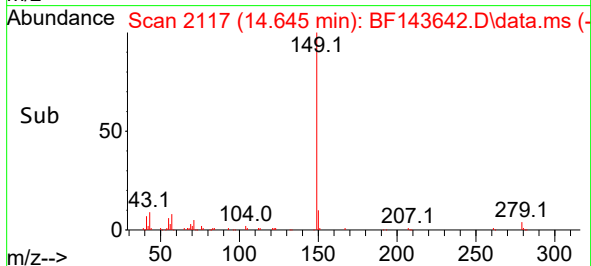
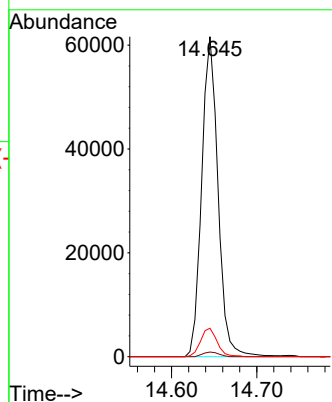
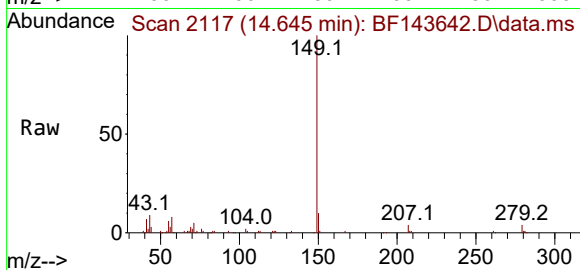
Tgt Ion:149 Resp: 81923

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 9.0 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF143642.D

Acq: 04 Sep 2025 14:14

Tgt Ion:264 Resp: 158557

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 21.4 17.1 25.7

