

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143109.D
 Acq On : 16 Jul 2025 12:36
 Operator : RC/JU
 Sample : Q2126-08
 Misc : LOQ-WATER-10 PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 16 13:01:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

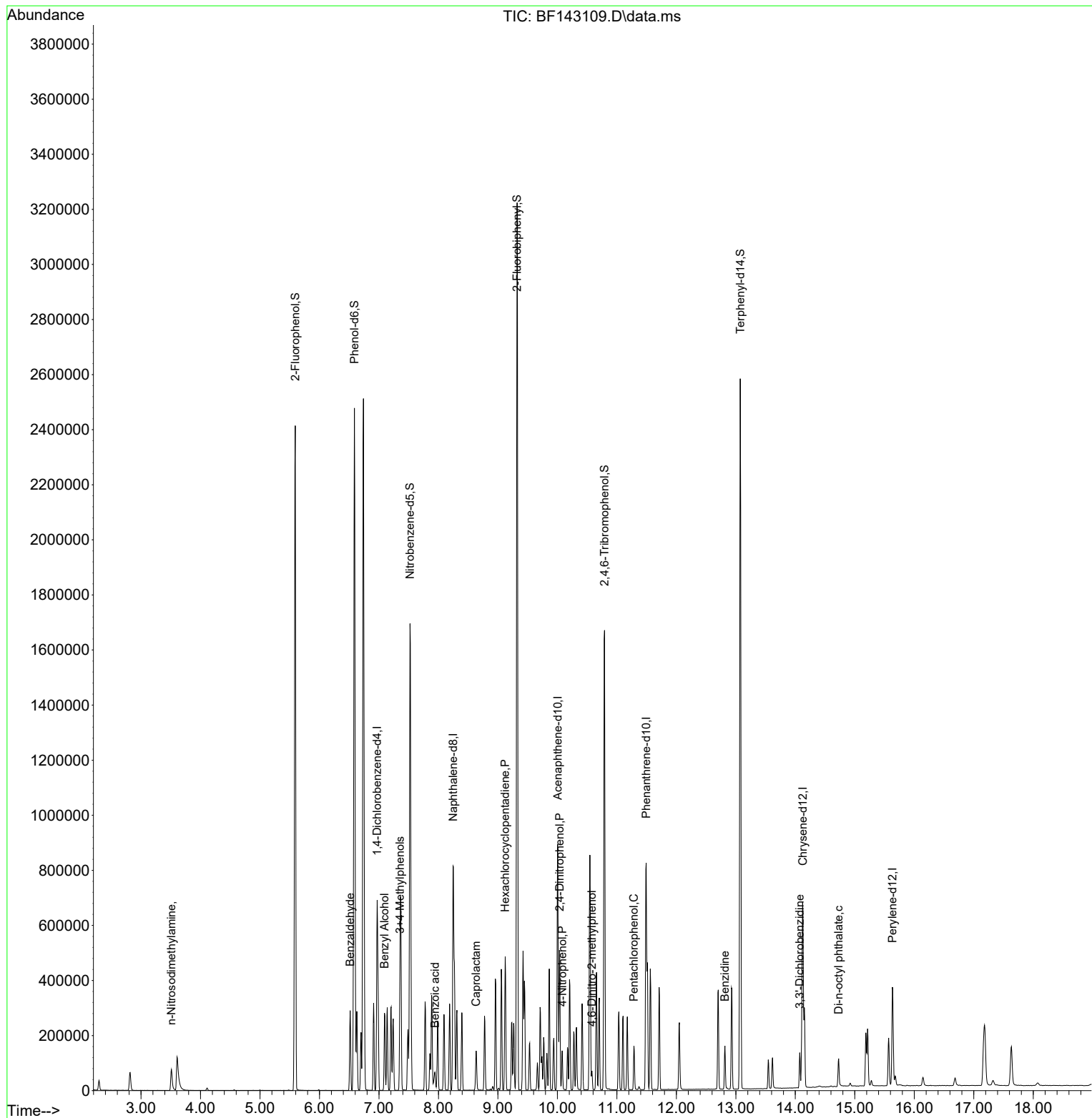
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	129256	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	496228	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	249421	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	416328	20.000	ng	0.00
76) Chrysene-d12	14.127	240	228100	20.000	ng	0.00
86) Perylene-d12	15.633	264	213644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	920178	112.476	ng	0.00
7) Phenol-d6	6.587	99	1182987	115.036	ng	0.00
23) Nitrobenzene-d5	7.522	82	763836	86.351	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	297653	133.839	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1400571	74.643	ng	0.00
79) Terphenyl-d14	13.074	244	1278389	81.927	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.510	42	48719	9.118	ng	100
9) Benzaldehyde	6.516	77	75913	9.688	ng	99
15) Benzyl Alcohol	7.092	79	74222	9.741	ng	99
20) 3+4-Methylphenols	7.351	107	91537	10.523	ng	# 82
32) Benzoic acid	7.939	122	21405	11.199	ng	94
35) Caprolactam	8.633	113	19307	9.524	ng	95
41) Hexachlorocyclopentadiene	9.122	237	35717	8.863	ng	100
54) 2,4-Dinitrophenol	10.039	184	6303	11.928	ng	# 1
56) 4-Nitrophenol	10.080	139	24959	9.262	ng	97
65) 4,6-Dinitro-2-methylph...	10.580	198	10063	12.139	ng	99
70) Pentachlorophenol	11.286	266	23980	8.701	ng	98
77) Benzidine	12.816	184	80620	10.374	ng	97
82) 3,3'-Dichlorobenzidine	14.074	252	37045	8.393	ng	99
85) Di-n-octyl phthalate	14.727	149	70986	11.726	ng	99

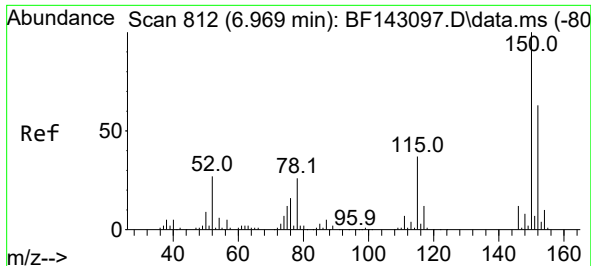
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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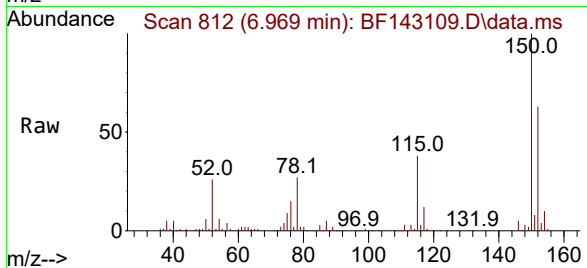
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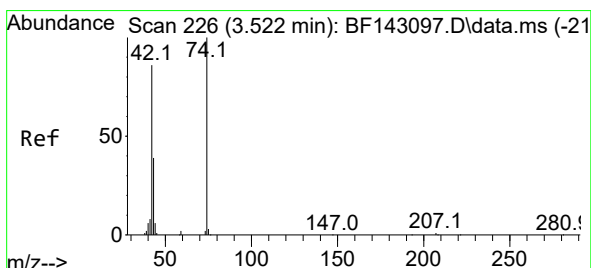
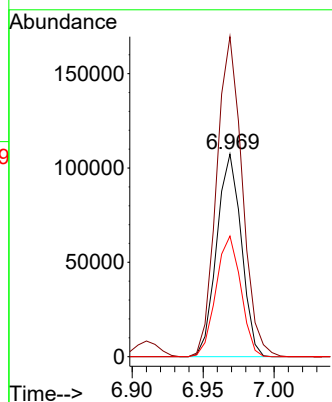
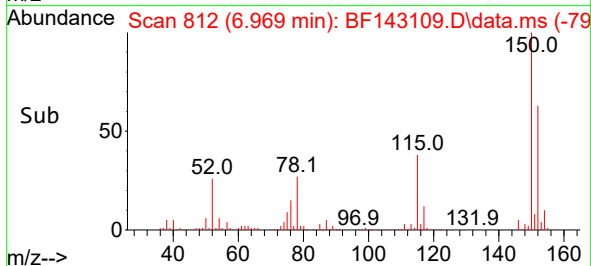


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

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

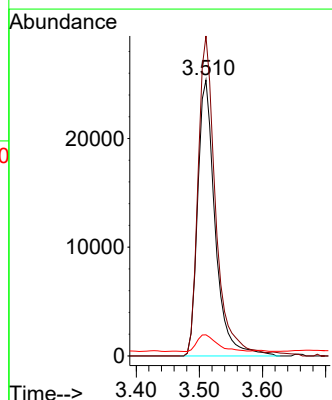
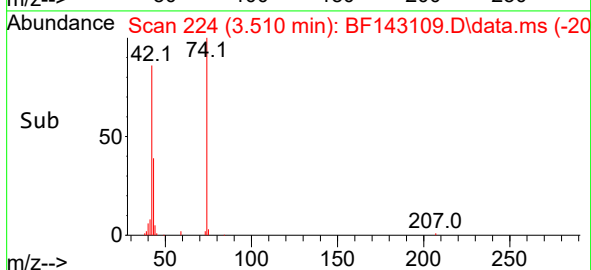
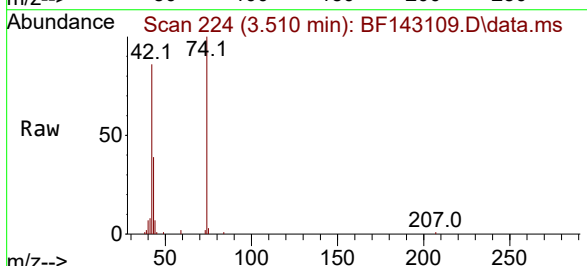


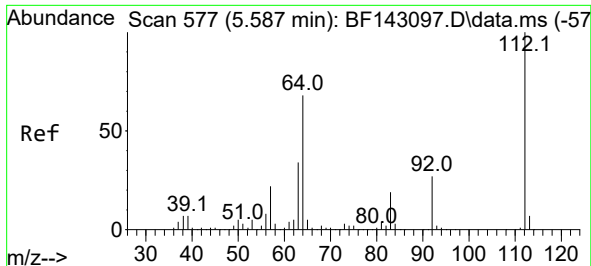
Tgt Ion:152 Resp: 129256
Ion Ratio Lower Upper
152 100
150 158.0 126.5 189.7
115 59.6 47.0 70.6



#4
n-Nitrosodimethylamine
Concen: 9.118 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.012 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion: 42 Resp: 48719
Ion Ratio Lower Upper
42 100
74 116.0 92.8 139.2
44 7.7 5.8 8.6

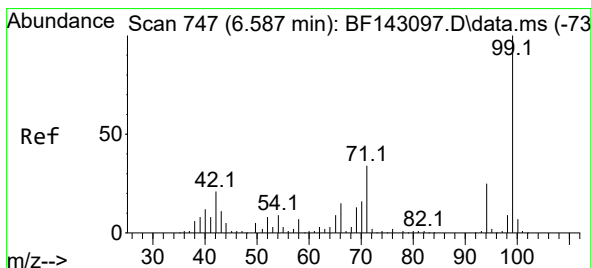
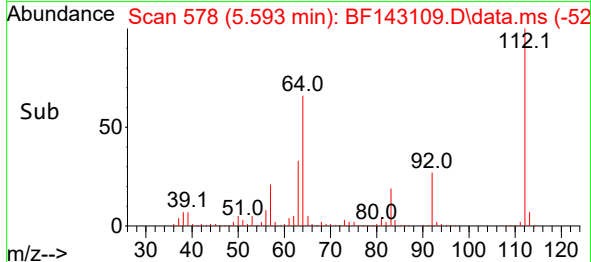
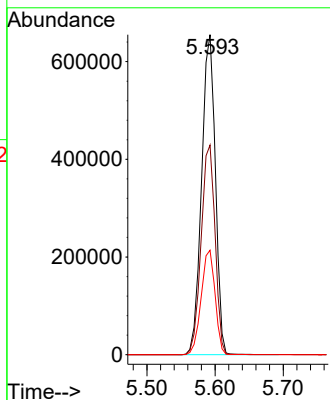
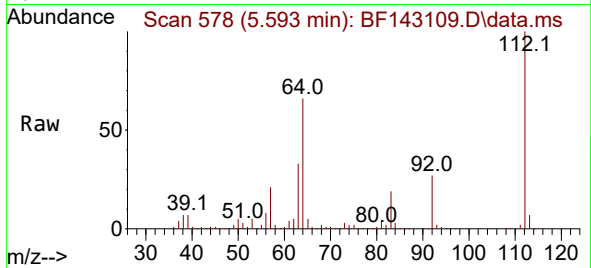




#5
2-Fluorophenol
Concen: 112.476 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

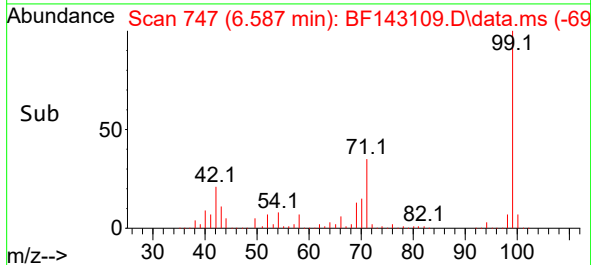
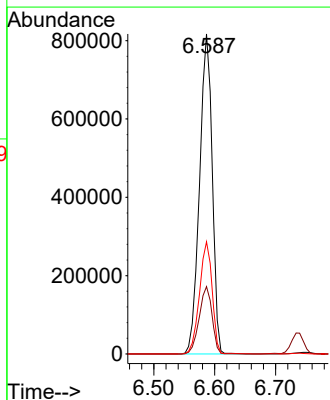
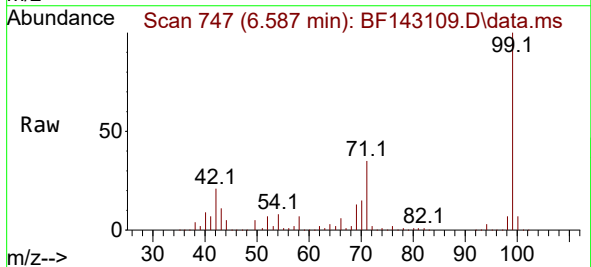
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

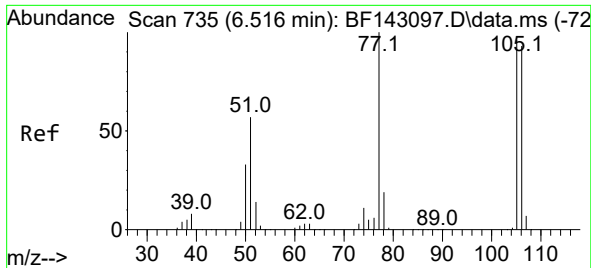
Tgt Ion:112 Resp: 920178
Ion Ratio Lower Upper
112 100
64 65.5 54.6 82.0
63 32.6 27.3 40.9



#7
Phenol-d6
Concen: 115.036 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion: 99 Resp: 1182987
Ion Ratio Lower Upper
99 100
42 21.0 17.2 25.8
71 35.1 27.4 41.0





#9

Benzaldehyde

Concen: 9.688 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143109.D

Acq: 16 Jul 2025 12:36

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT2-2025

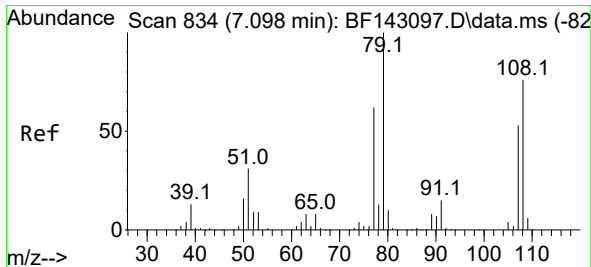
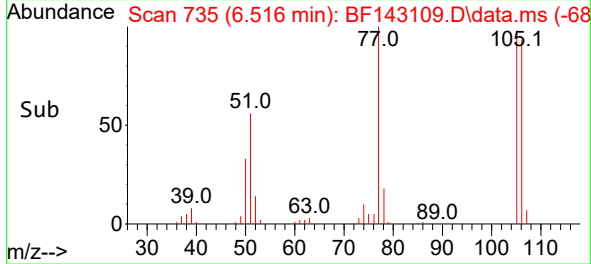
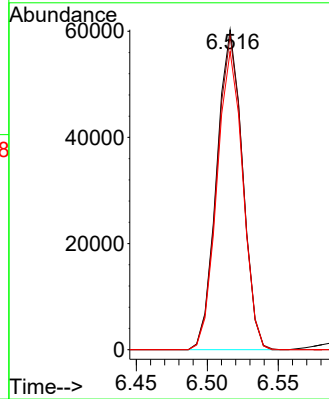
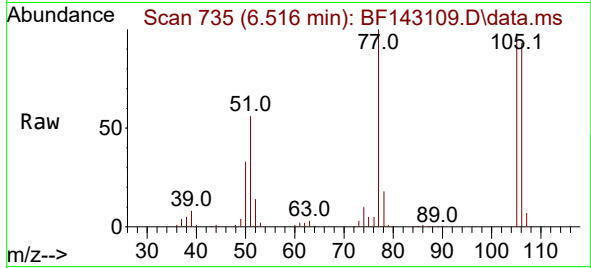
Tgt Ion: 77 Resp: 75913

Ion Ratio Lower Upper

77 100

105 98.1 76.3 116.3

106 93.2 72.8 112.8



#15

Benzyl Alcohol

Concen: 9.741 ng

RT: 7.092 min Scan# 833

Delta R.T. -0.006 min

Lab File: BF143109.D

Acq: 16 Jul 2025 12:36

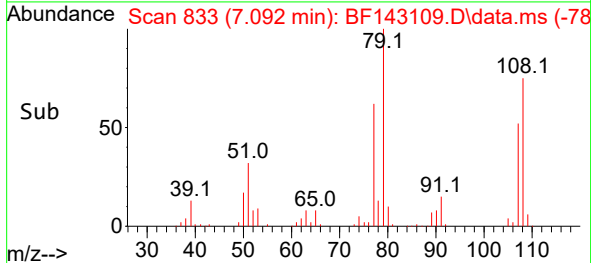
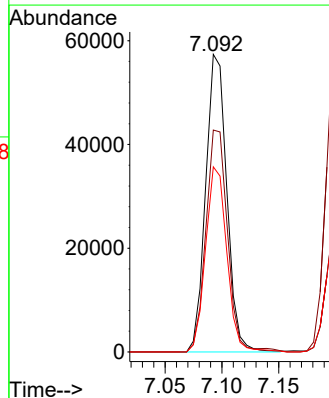
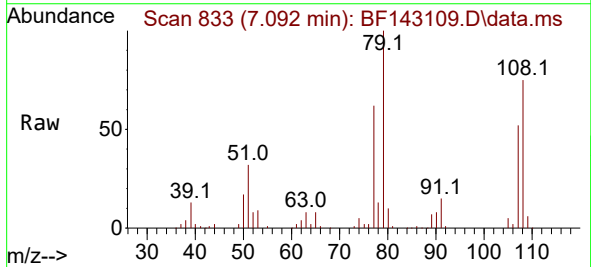
Tgt Ion: 79 Resp: 74222

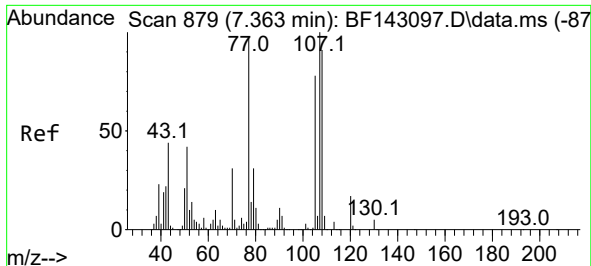
Ion Ratio Lower Upper

79 100

108 74.5 61.1 91.7

77 62.2 49.9 74.9

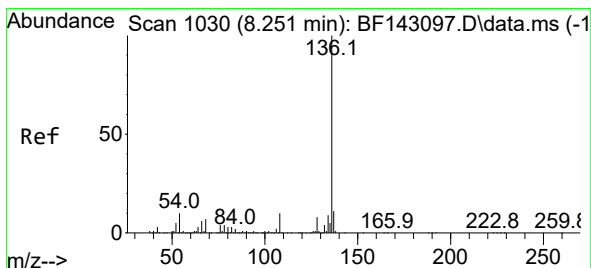
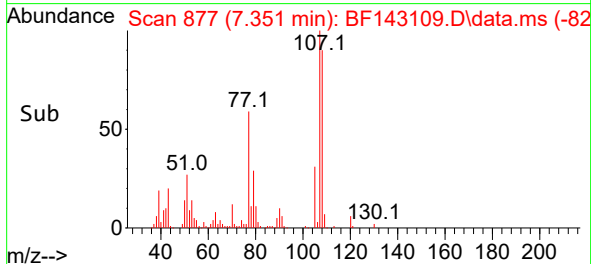
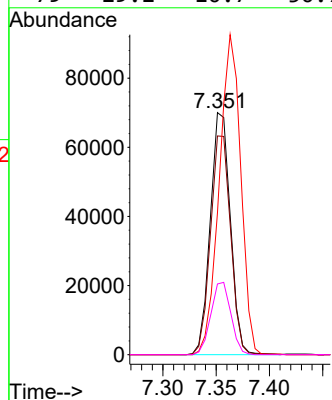
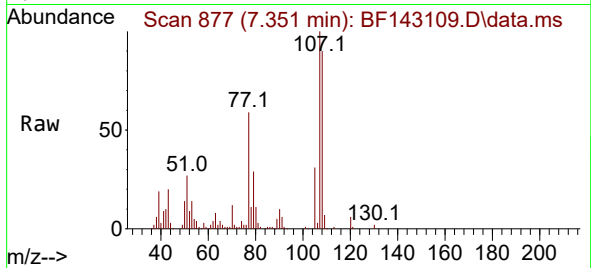




#20
3+4-Methylphenols
Concen: 10.523 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

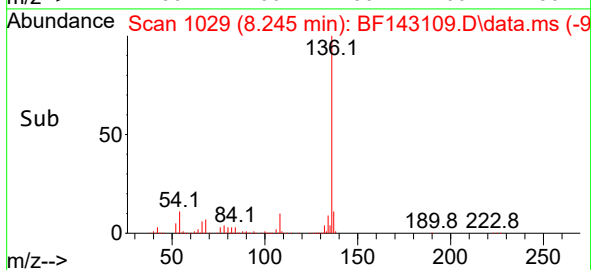
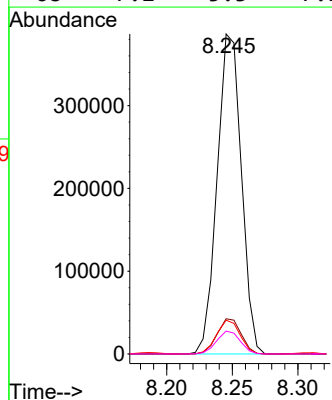
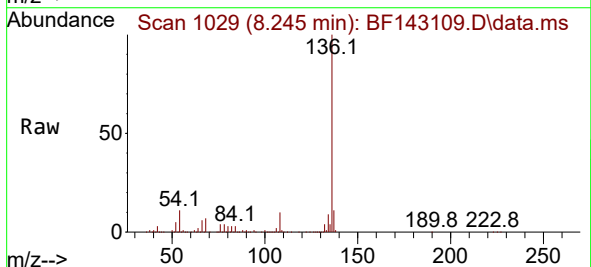
Instrument :
BNA_F
ClientSampleId :
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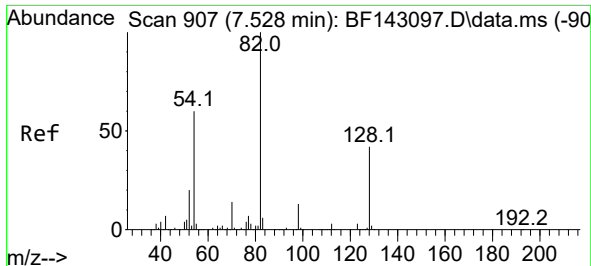
Tgt Ion:107	Resp:	91537
Ion	Ratio	Lower Upper
107	100	
108	90.4	71.3 111.3
77	58.7	77.2 117.2#
79	29.2	10.7 50.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:136	Resp:	496228
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	10.5	8.3 12.5
68	7.2	5.3 7.9

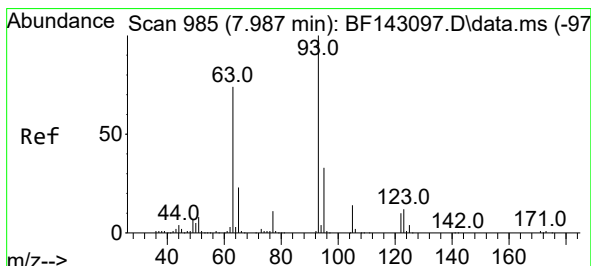
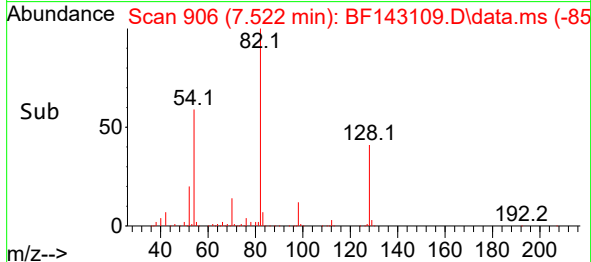
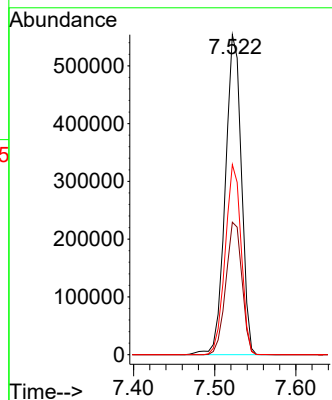
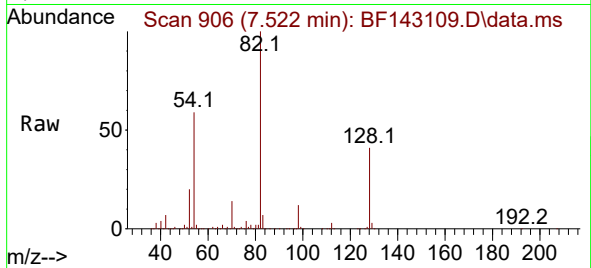




#23
Nitrobenzene-d5
Concen: 86.351 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

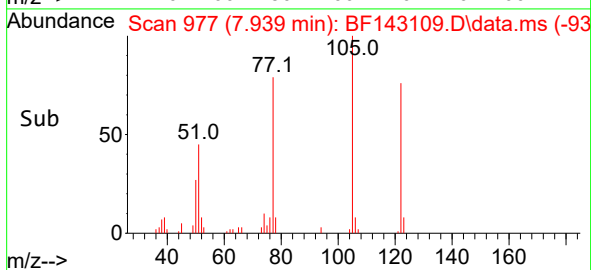
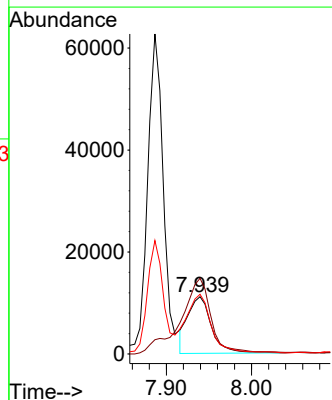
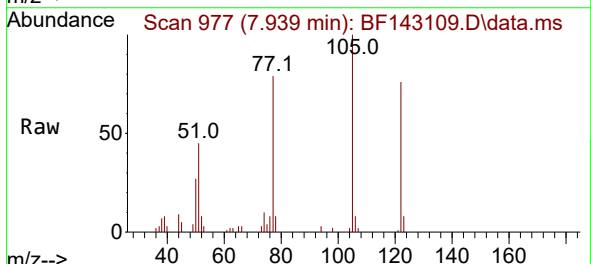
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

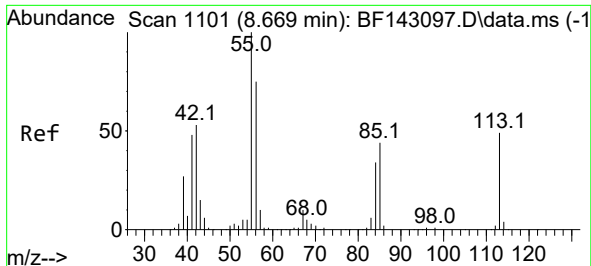
Tgt Ion: 82 Resp: 763836
Ion Ratio Lower Upper
82 100
128 41.4 33.3 49.9
54 59.4 47.4 71.2



#32
Benzoic acid
Concen: 11.199 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.048 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:122 Resp: 21405
Ion Ratio Lower Upper
122 100
105 131.9 105.4 145.4
77 104.2 78.6 118.6

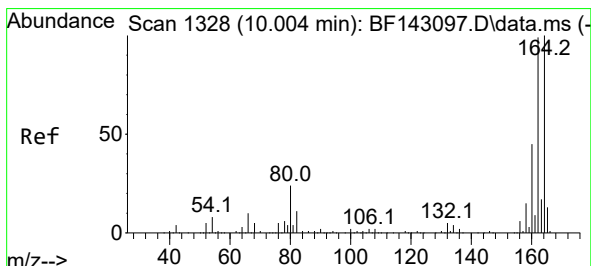
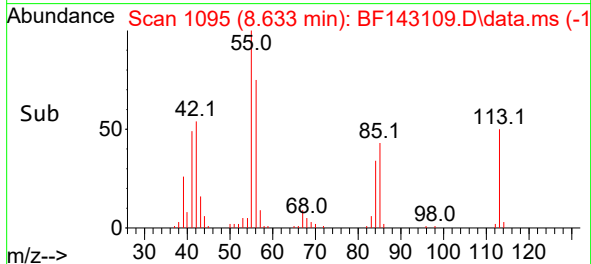
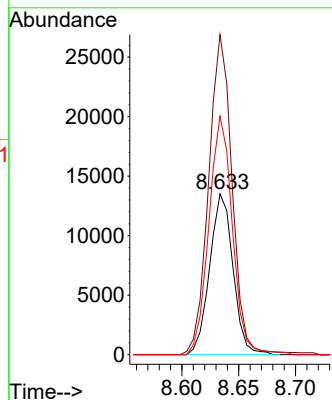
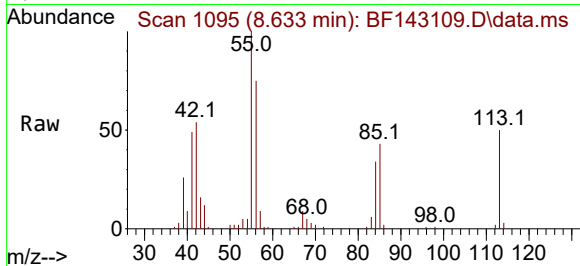




#35
 Caprolactam
 Concen: 9.524 ng
 RT: 8.633 min Scan# 1095
 Delta R.T. -0.035 min
 Lab File: BF143109.D
 Acq: 16 Jul 2025 12:36

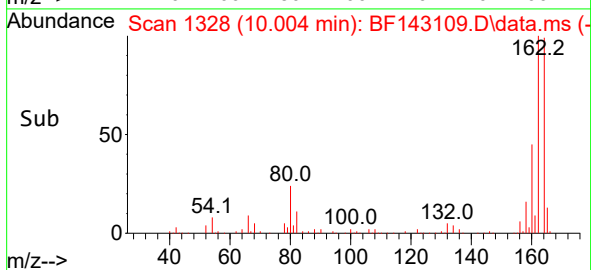
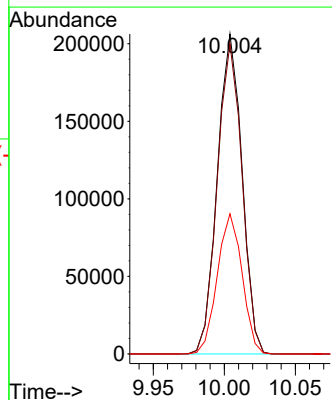
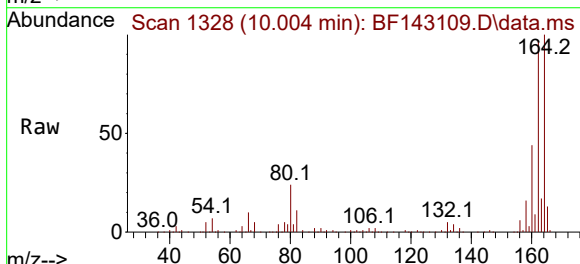
Instrument :
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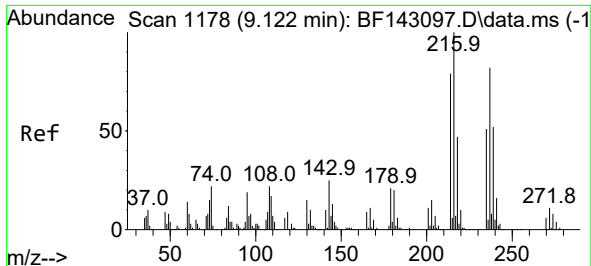
Tgt Ion:113 Resp: 19307
 Ion Ratio Lower Upper
 113 100
 55 199.0 186.2 226.2
 56 148.3 134.1 174.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.004 min Scan# 1328
 Delta R.T. -0.000 min
 Lab File: BF143109.D
 Acq: 16 Jul 2025 12:36

Tgt Ion:164 Resp: 249421
 Ion Ratio Lower Upper
 164 100
 162 96.9 79.0 118.6
 160 43.8 35.8 53.6

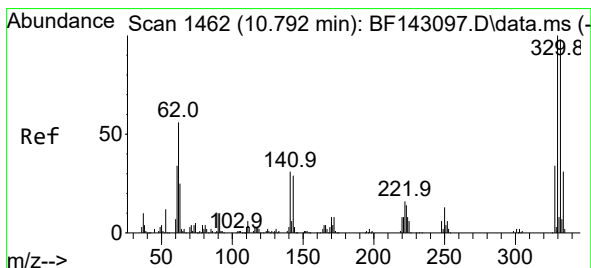
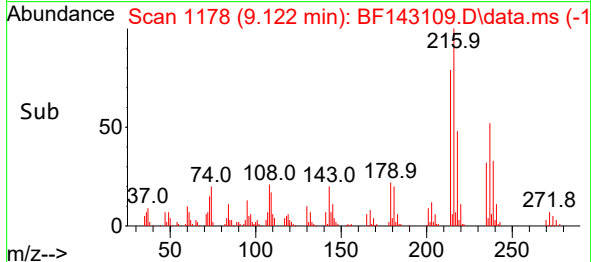
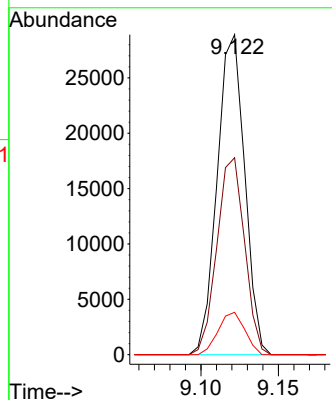
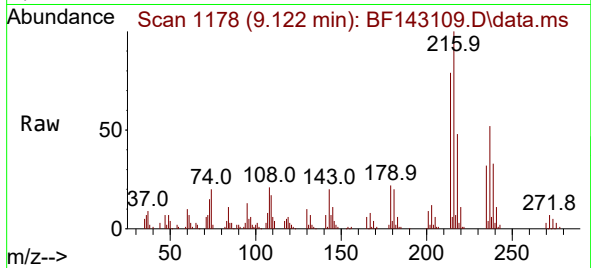




#41
Hexachlorocyclopentadiene
Concen: 8.863 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

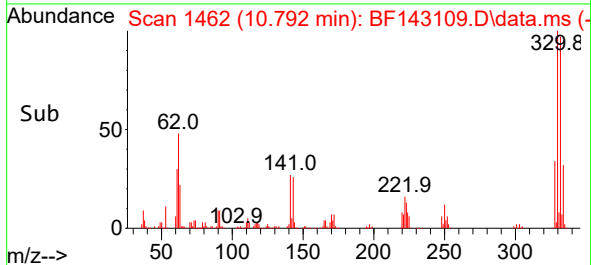
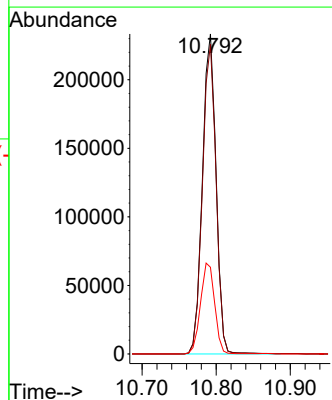
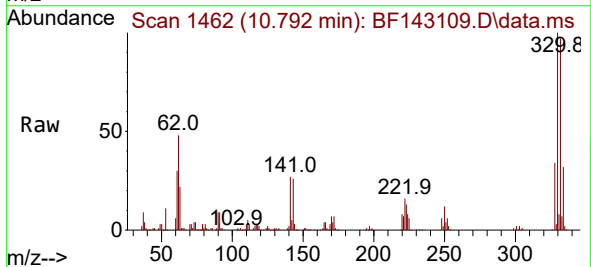
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

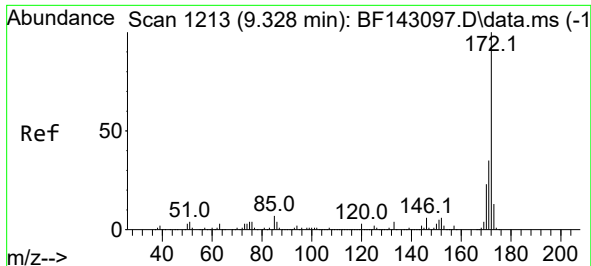
Tgt Ion: 237	Resp: 35717
Ion Ratio	Lower Upper
237 100	
235 61.6	41.6 81.6
272 13.2	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 133.839 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt	Ion:330	Resp:	297653
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.9	116.9
141	29.5	25.9	38.9

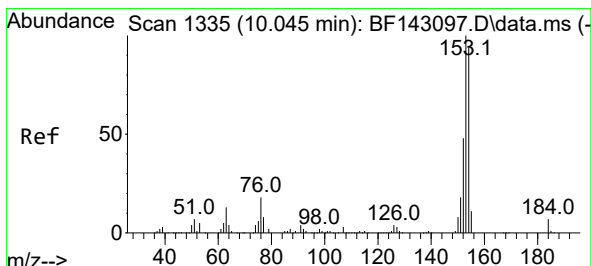
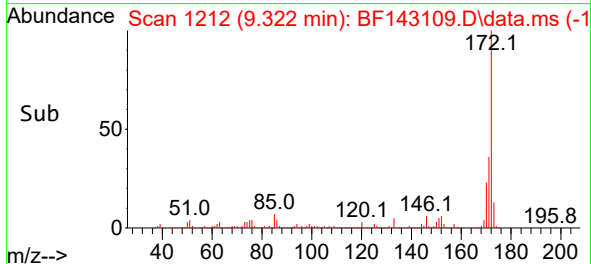
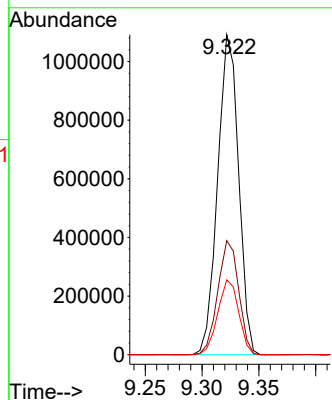
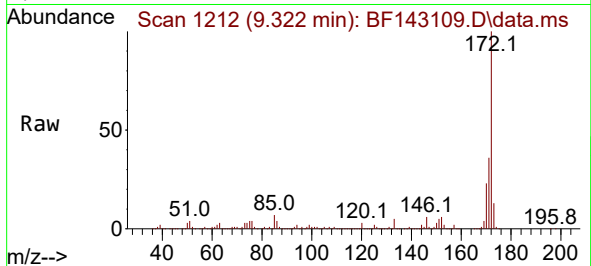




#45
2-Fluorobiphenyl
Concen: 74.643 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

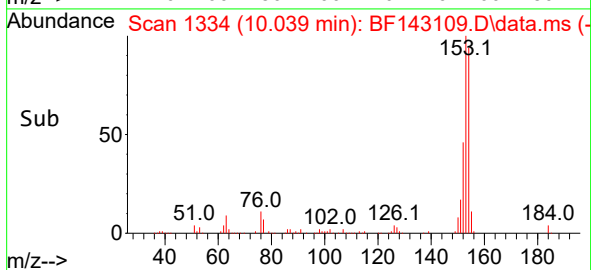
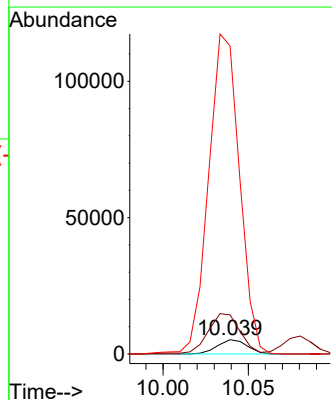
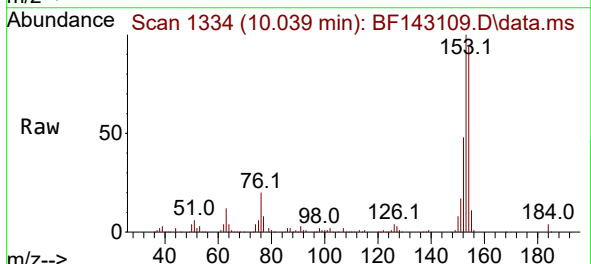
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

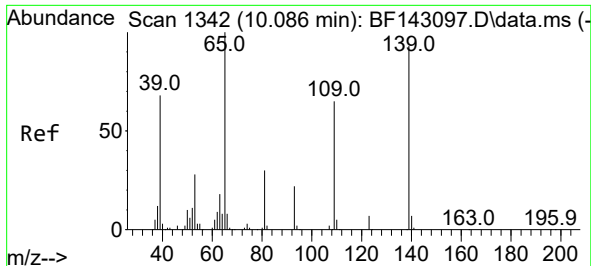
Tgt Ion:172 Resp: 1400571
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.4 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 11.928 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:184 Resp: 6303
Ion Ratio Lower Upper
184 100
63 273.5 149.3 223.9#
154 2158.7 1048.0 1572.0#

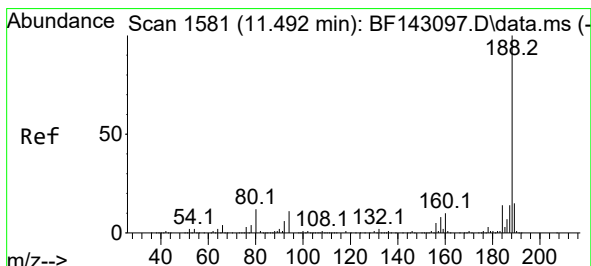
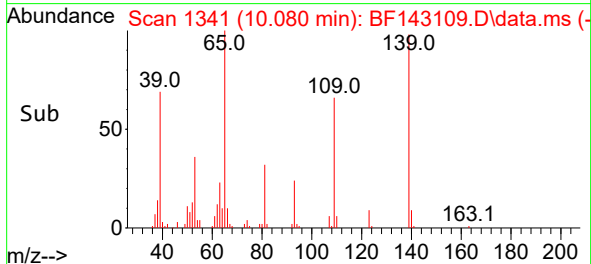
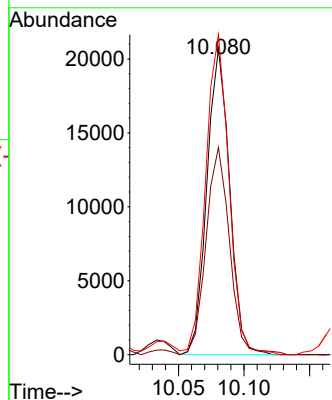
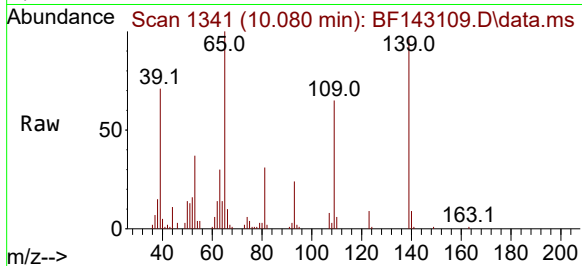




#56
4-Nitrophenol
Concen: 9.262 ng
RT: 10.080 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

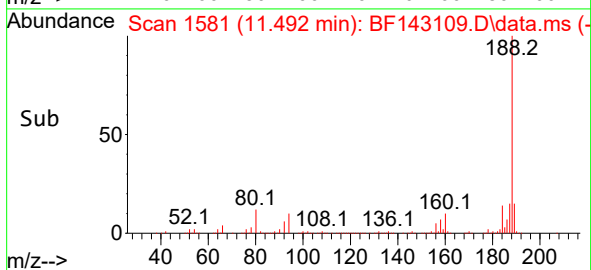
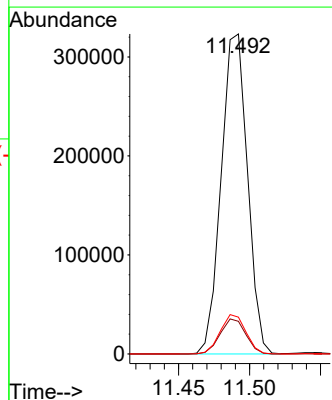
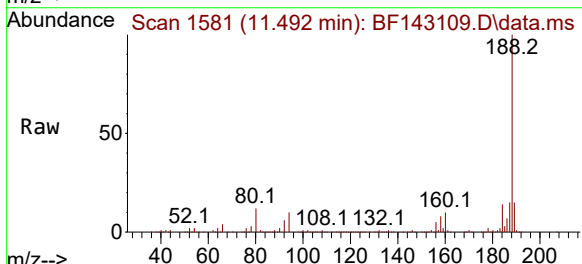
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

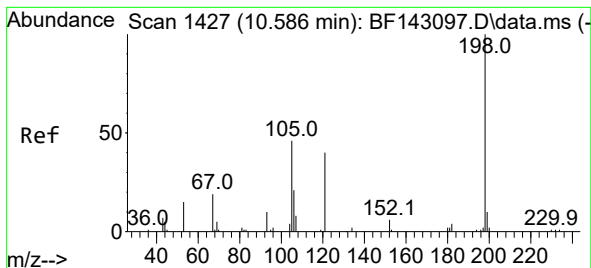
Tgt Ion:139	Resp:	24959
Ion Ratio	Lower	Upper
139	100	
109	67.7	49.4 89.4
65	104.5	88.2 128.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:188	Resp:	416328
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.6 13.0
80	11.5	9.3 13.9

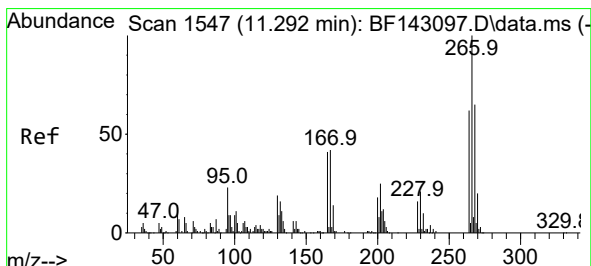
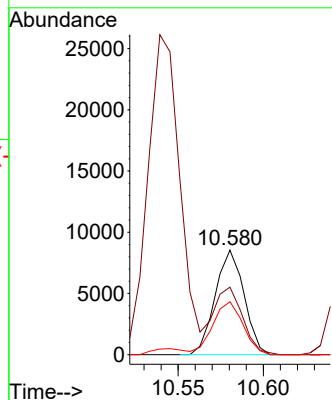
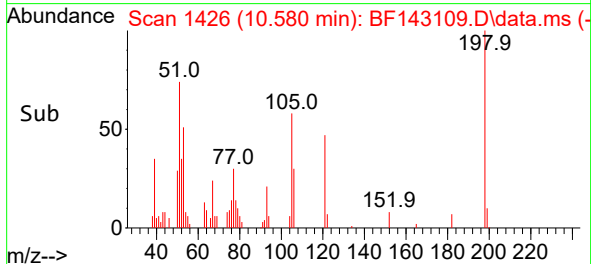
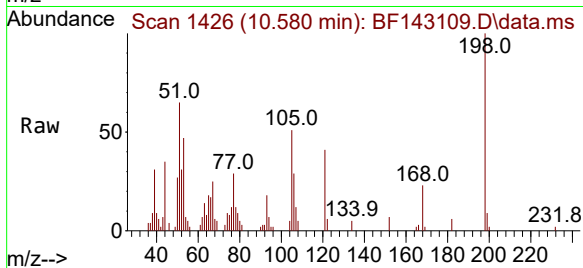




#65
4,6-Dinitro-2-methylphenol
Concen: 12.139 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

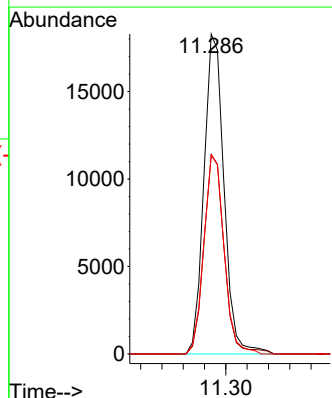
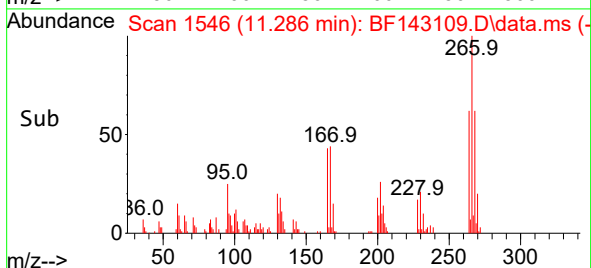
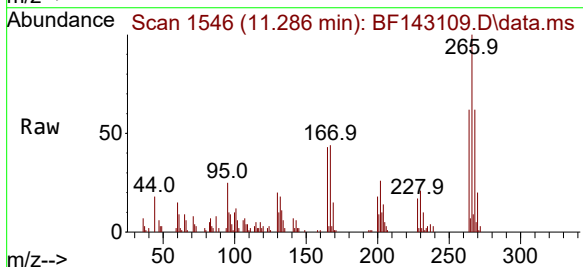
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT2-2025

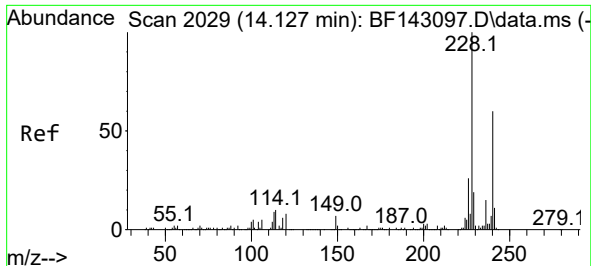
Tgt Ion:198 Resp: 10063
Ion Ratio Lower Upper
198 100
51 64.6 44.6 84.6
105 50.7 29.3 69.3



#70
Pentachlorophenol
Concen: 8.701 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:266 Resp: 23980
Ion Ratio Lower Upper
266 100
268 62.3 51.8 77.6
264 62.1 49.7 74.5

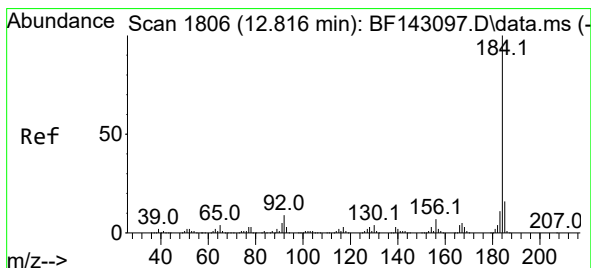
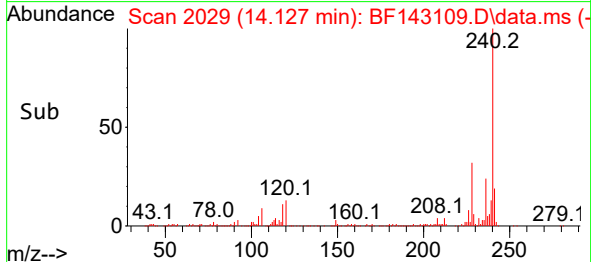
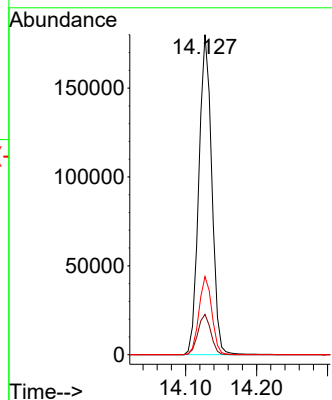
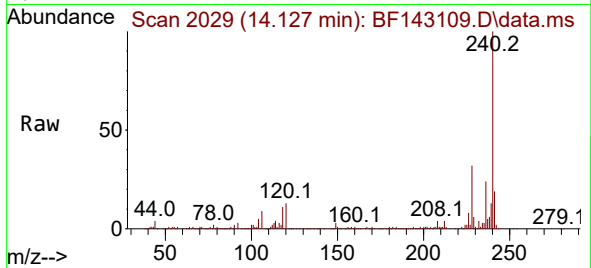




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

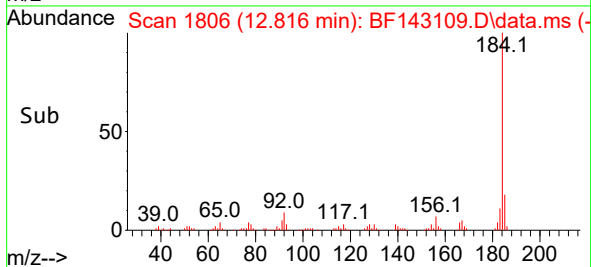
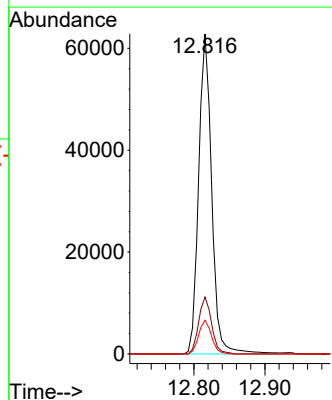
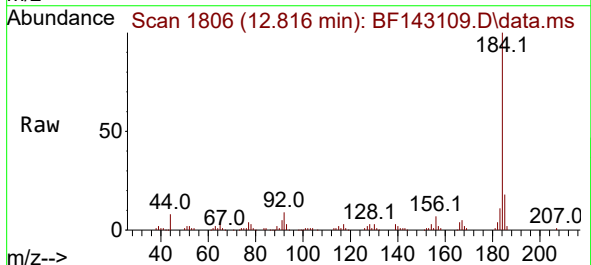
Instrument : BNA_F
ClientSampleId : LOQ-WATER-02-QT2-2025

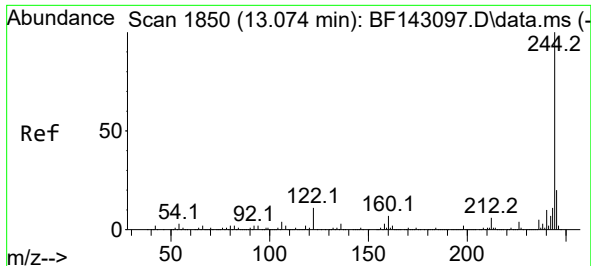
Tgt Ion:240 Resp: 228100
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 24.4 20.0 30.0



#77
Benzidine
Concen: 10.374 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:184 Resp: 80620
Ion Ratio Lower Upper
184 100
185 17.8 12.4 18.6
183 10.5 8.6 12.8

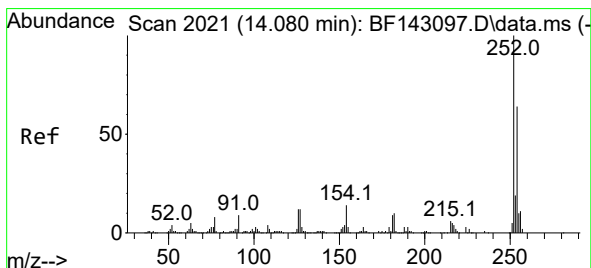
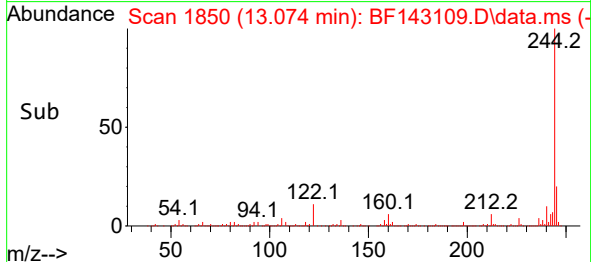
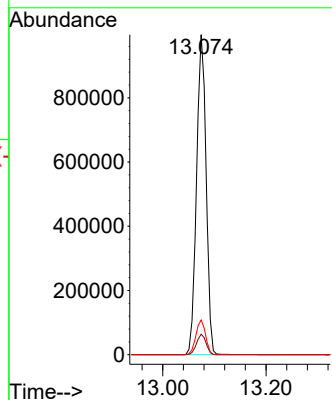
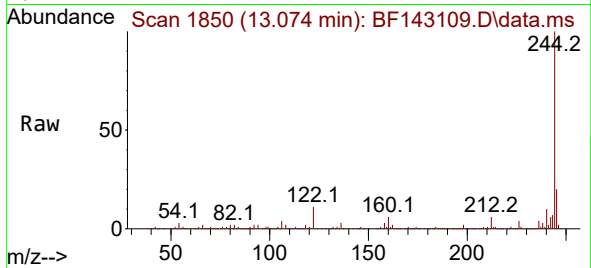




#79
 Terphenyl-d14
 Concen: 81.927 ng
 RT: 13.074 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143109.D
 Acq: 16 Jul 2025 12:36

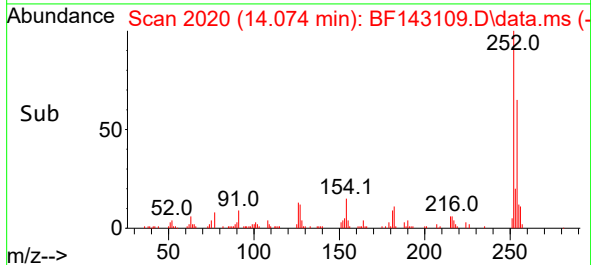
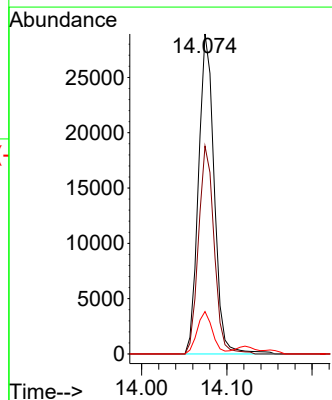
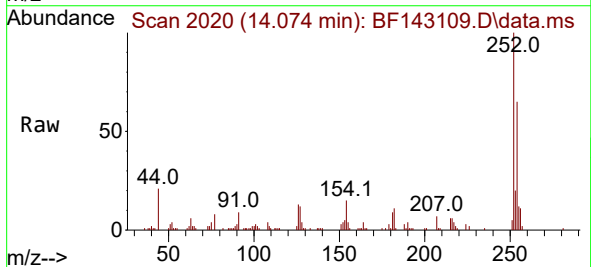
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

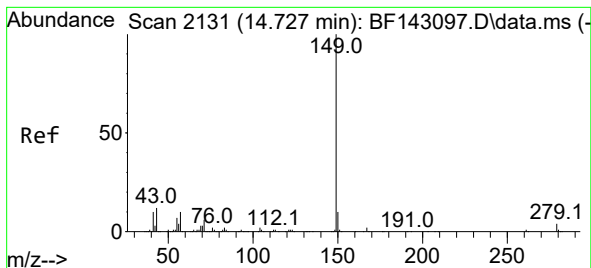
Tgt Ion:244 Resp: 1278389
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.9 8.8 13.2



#82
 3,3'-Dichlorobenzidine
 Concen: 8.393 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF143109.D
 Acq: 16 Jul 2025 12:36

Tgt Ion:252 Resp: 37045
 Ion Ratio Lower Upper
 252 100
 254 65.0 51.5 77.3
 126 13.3 9.4 14.0

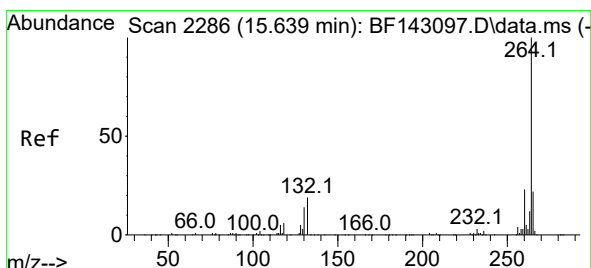
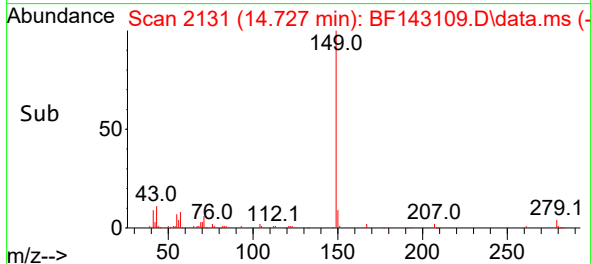
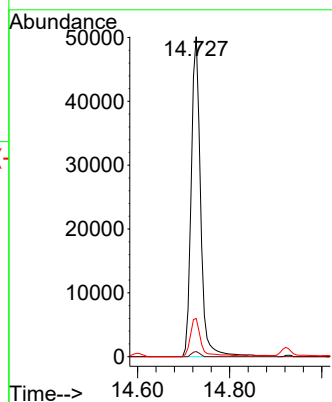
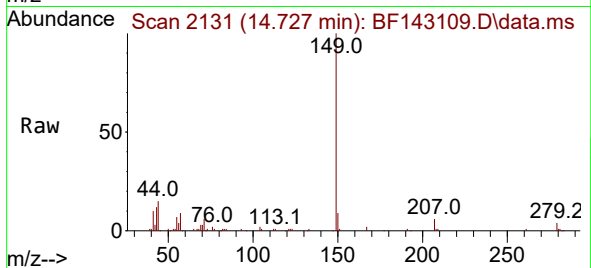




#85
Di-n-octyl phthalate
Concen: 11.726 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

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

Tgt Ion:149 Resp: 70986
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.6 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143109.D
Acq: 16 Jul 2025 12:36

Tgt Ion:264 Resp: 213644
Ion Ratio Lower Upper
264 100
260 22.2 18.5 27.7
265 21.3 17.5 26.3

