

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141872.D
 Acq On : 06 Mar 2025 16:59
 Operator : RC/JU
 Sample : Q1478-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-01-COMP-022825

Quant Time: Mar 06 17:52:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

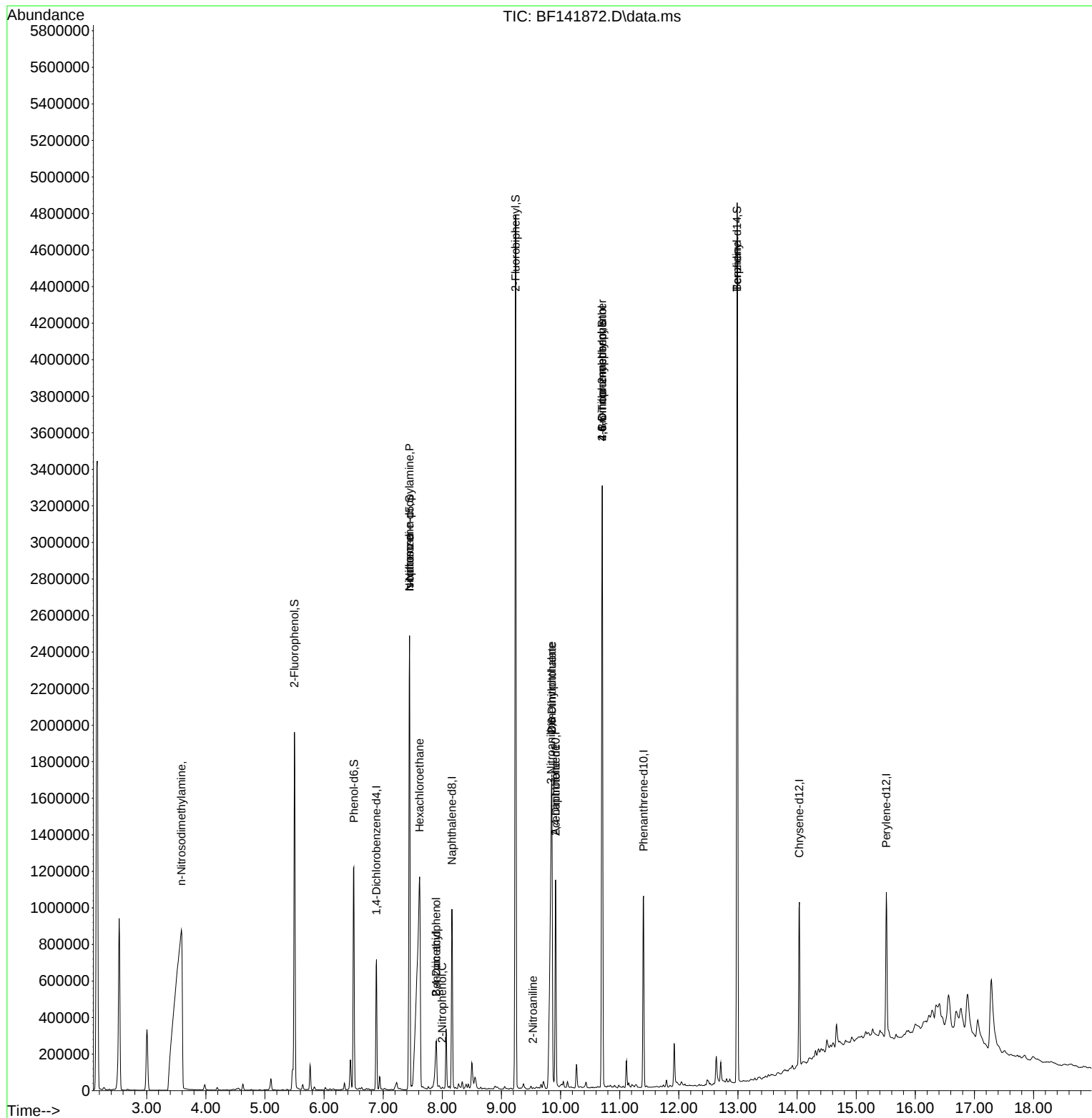
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	148756	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	590022	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	323461	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	547761	20.000	ng	0.00
76) Chrysene-d12	14.039	240	434019	20.000	ng	-0.01
86) Perylene-d12	15.509	264	452777	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	724387	77.767	ng	0.00
7) Phenol-d6	6.504	99	580081	47.846	ng	0.00
23) Nitrobenzene-d5	7.445	82	1138336	123.322	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	565557	186.240	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2049037	101.574	ng	0.00
79) Terphenyl-d14	12.986	244	2404636	89.639	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.587	42	178519	35.281	ng	# 1
18) Hexachloroethane	7.616	117	9430	2.317	ng	# 2
19) n-Nitroso-di-n-propyla...	7.445	70	157314	19.739	ng	# 77
25) Isophorone	7.445	82	1133999	57.184	ng	# 66
26) 2-Nitrophenol	7.998	139	376	4.627	ng	# 32
27) 2,4-Dimethylphenol	7.898	122	90273	12.384	ng	# 4
32) Benzoic acid	7.898	122	90273	20.151	ng	96
48) 2-Nitroaniline	9.533	65	168	4.370	ng	# 6
50) Dimethylphthalate	9.851	163	1319898	60.933	ng	# 95
51) 2,6-Dinitrotoluene	9.851	165	13514	5.898	ng	# 1
53) 3-Nitroaniline	9.839	138	183	3.006	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	41620	11.144	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.704	198	1490	8.606	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	36654	5.729	ng	# 1
77) Benzidine	12.986	184	33722	6.173	ng	# 93

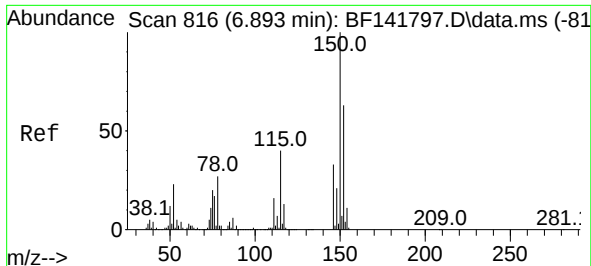
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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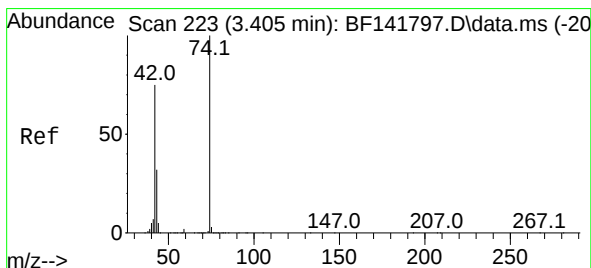
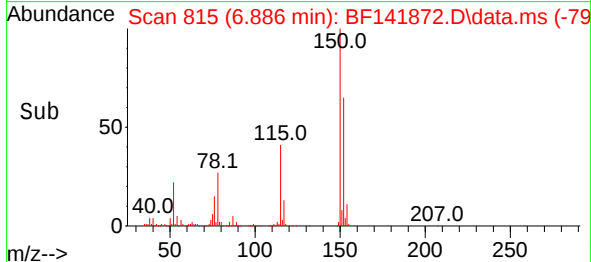
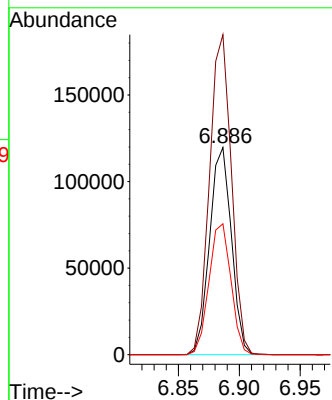
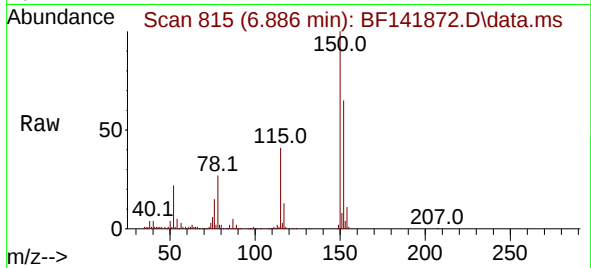




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

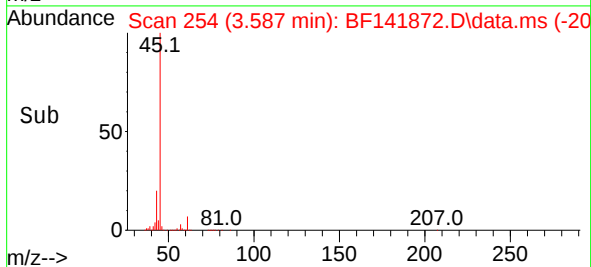
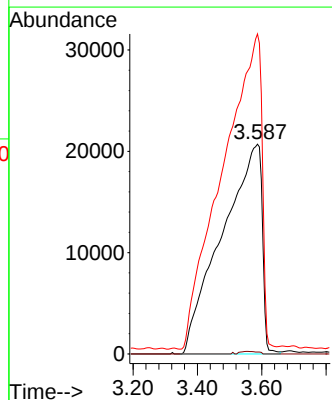
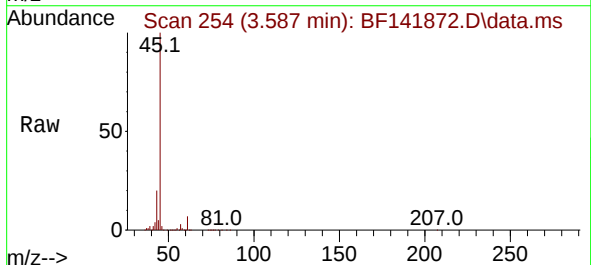
Instrument : BNA_F
ClientSampleId : IDW-AQ-IW-01-COMP-022825

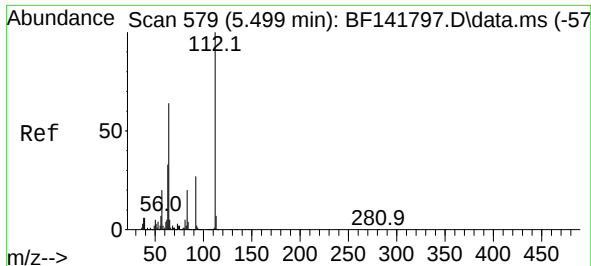
Tgt Ion:152 Resp: 148756
Ion Ratio Lower Upper
152 100
150 154.4 127.5 191.3
115 63.2 51.4 77.2



#4
n-Nitrosodimethylamine
Concen: 35.281 ng
RT: 3.587 min Scan# 254
Delta R.T. 0.182 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 42 Resp: 178519
Ion Ratio Lower Upper
42 100
74 0.9 107.1 160.7#
44 152.6 6.6 9.8#

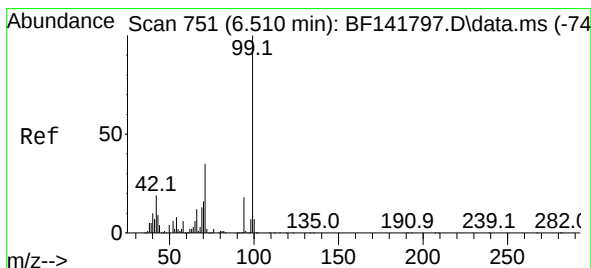
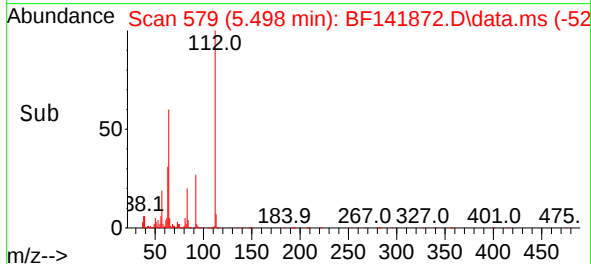
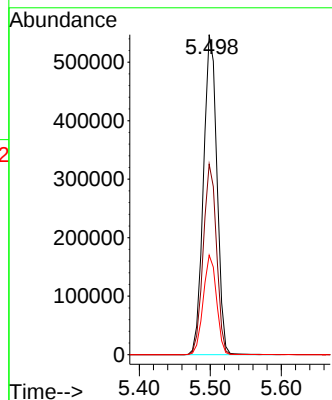
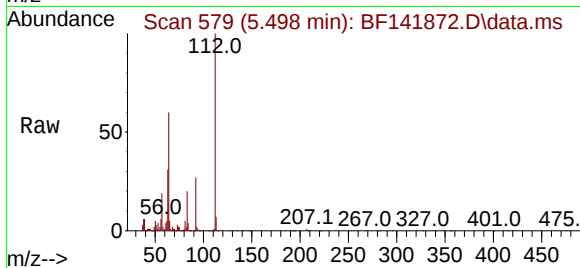




#5
2-Fluorophenol
Concen: 77.767 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

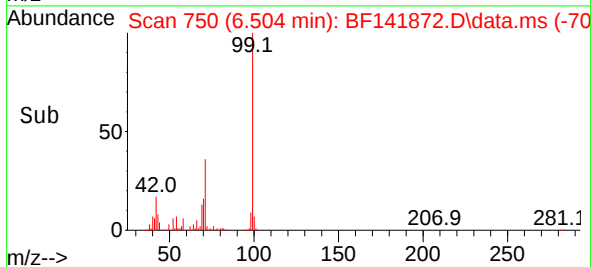
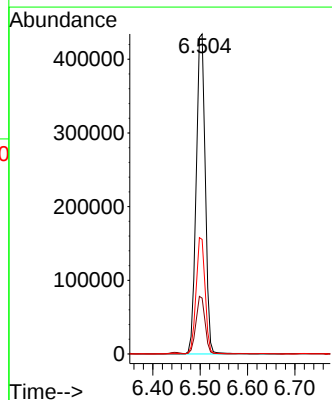
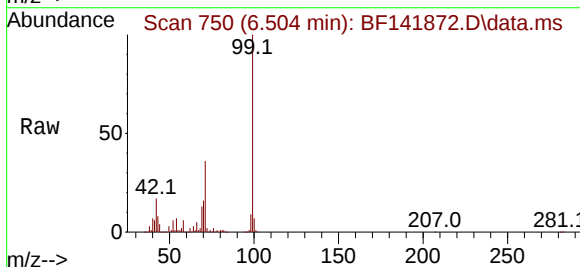
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

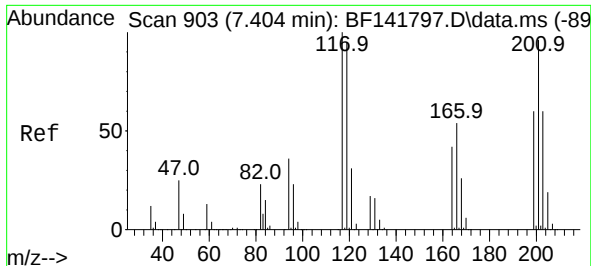
Tgt Ion:112 Resp: 724387
Ion Ratio Lower Upper
112 100
64 59.6 51.3 76.9
63 31.1 26.2 39.4



#7
Phenol-d6
Concen: 47.846 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 99 Resp: 580081
Ion Ratio Lower Upper
99 100
42 17.5 15.2 22.8
71 35.8 28.2 42.2

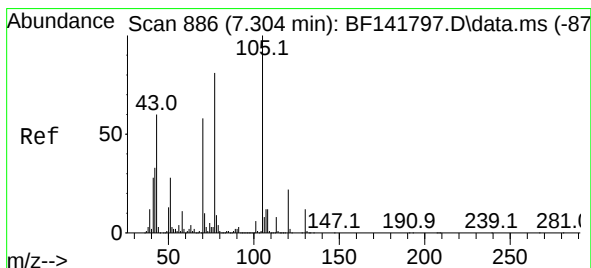
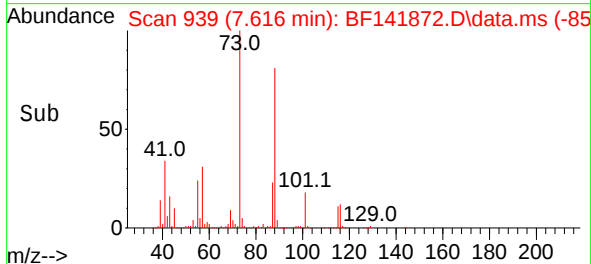
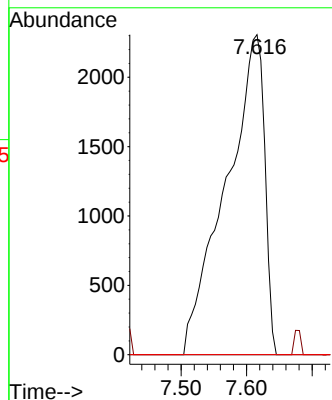
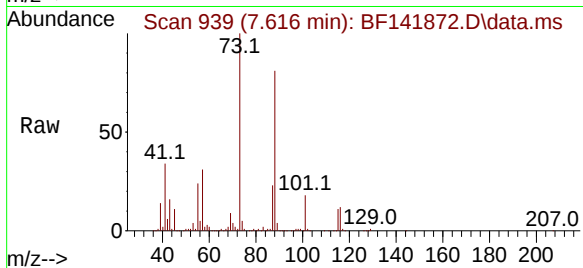




#18
Hexachloroethane
Concen: 2.317 ng
RT: 7.616 min Scan# 910
Delta R.T. 0.212 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

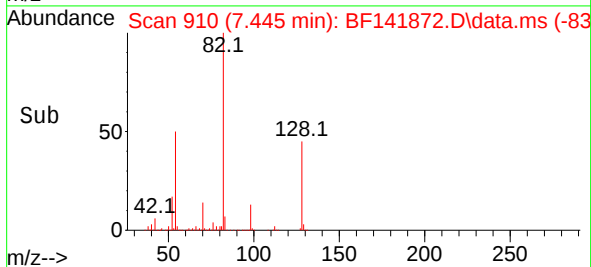
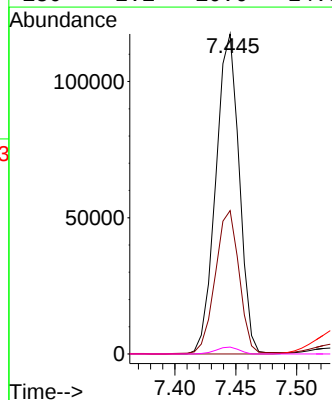
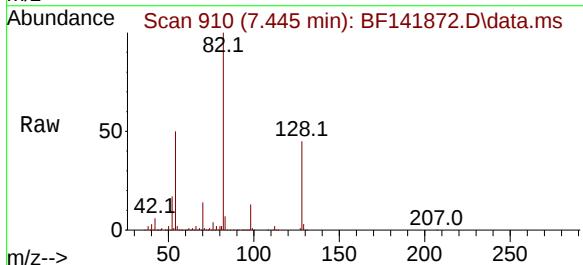
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

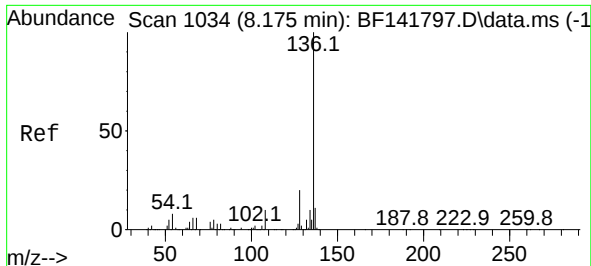
Tgt Ion:117 Resp: 9430
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 76.7 115.1#



#19
n-Nitroso-di-n-propylamine
Concen: 19.739 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 70 Resp: 157314
Ion Ratio Lower Upper
70 100
42 44.8 45.4 68.0#
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#

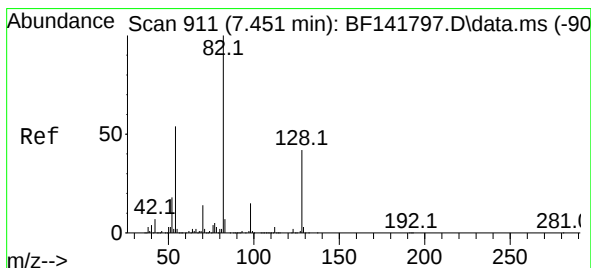
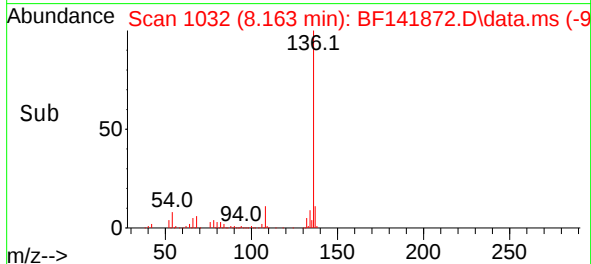
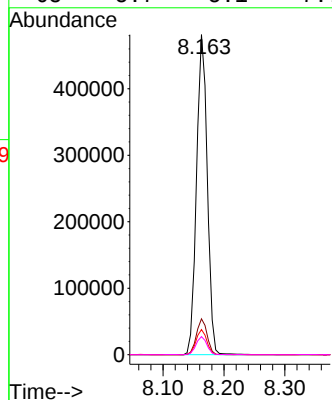
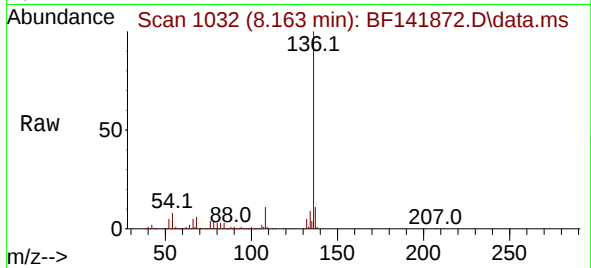




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

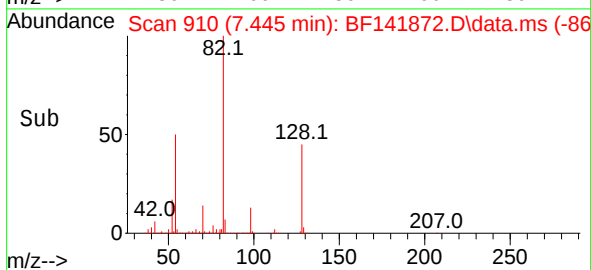
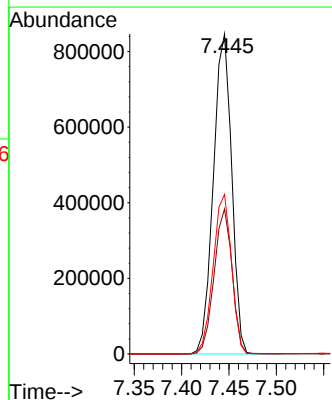
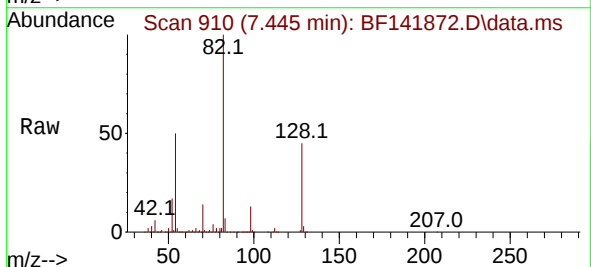
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

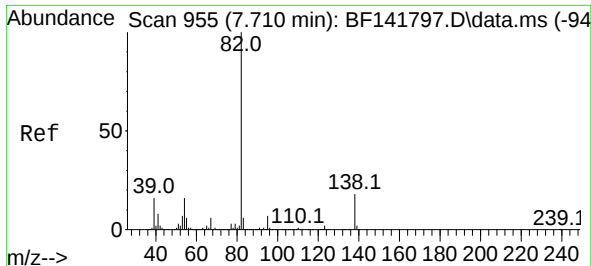
Tgt Ion:136 Resp: 590022
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.9 6.9 10.3
68 5.7 5.1 7.7



#23
Nitrobenzene-d5
Concen: 123.322 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 82 Resp: 1138336
Ion Ratio Lower Upper
82 100
128 45.3 33.5 50.3
54 49.8 42.7 64.1

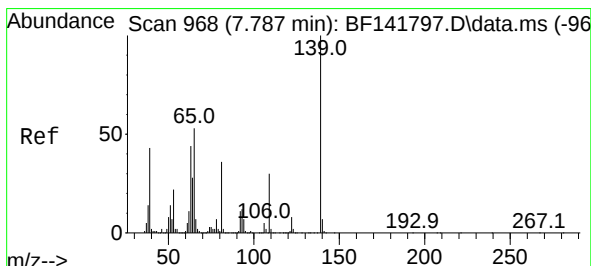
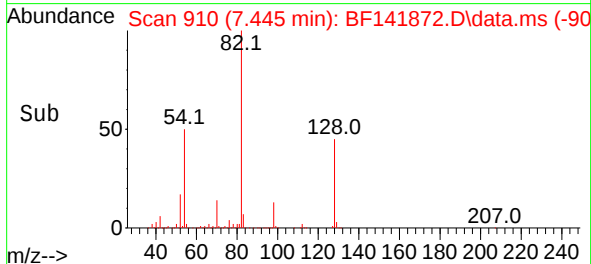
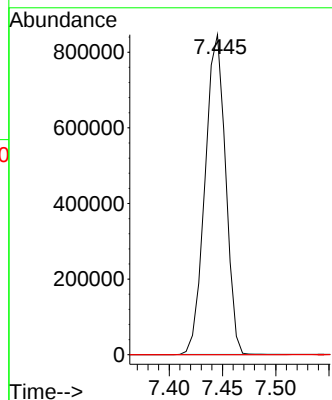
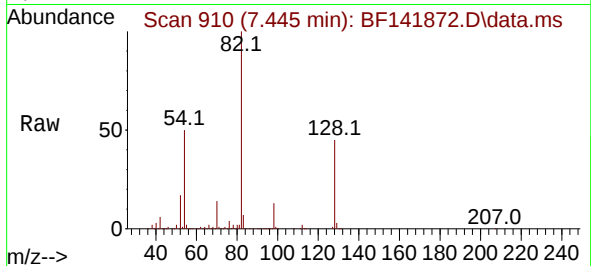




#25
Isophorone
Concen: 57.184 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

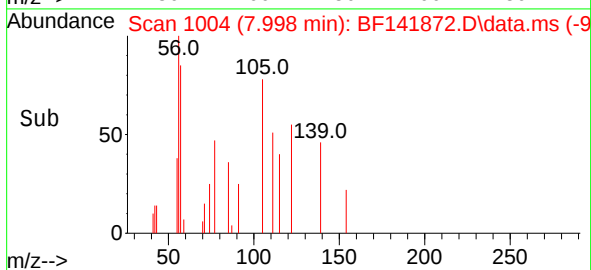
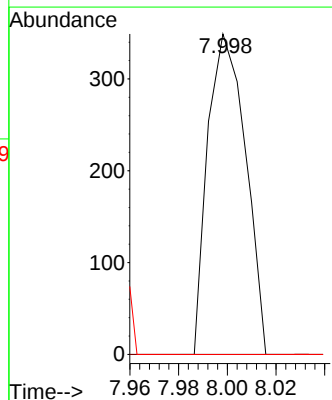
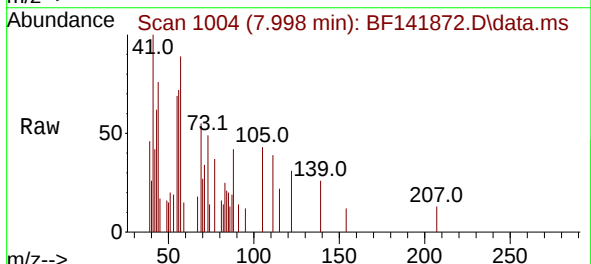
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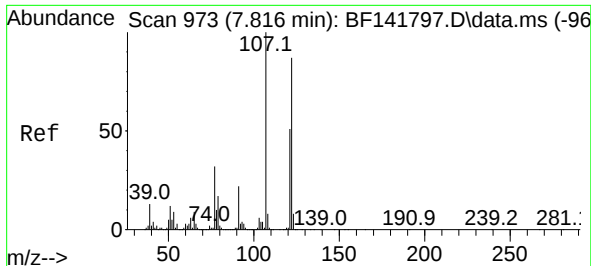
Tgt Ion: 82 Resp: 1133999
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.627 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.211 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion:139 Resp: 376
Ion Ratio Lower Upper
139 100
109 0.0 24.1 36.1#
65 0.0 42.3 63.5#

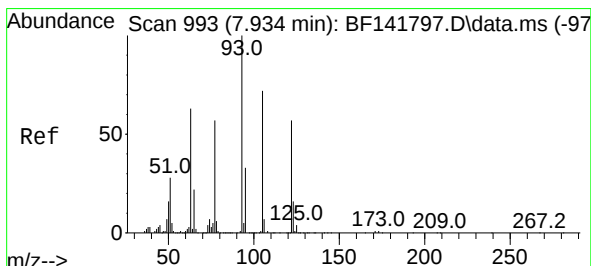
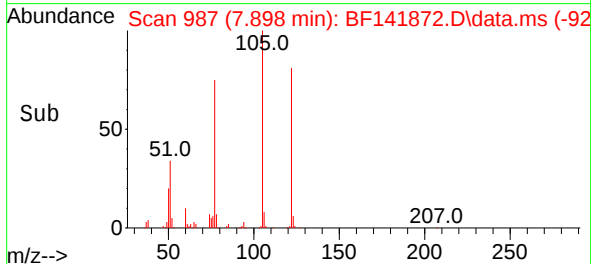
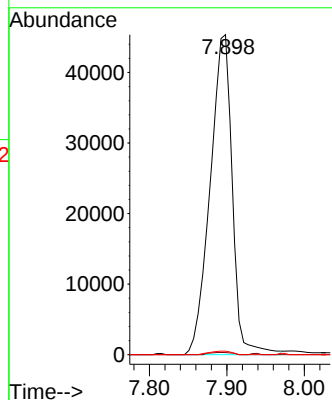
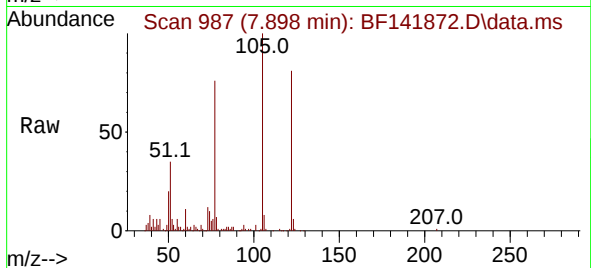




#27
2,4-Dimethylphenol
Concen: 12.384 ng
RT: 7.898 min Scan# 90
Delta R.T. 0.082 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

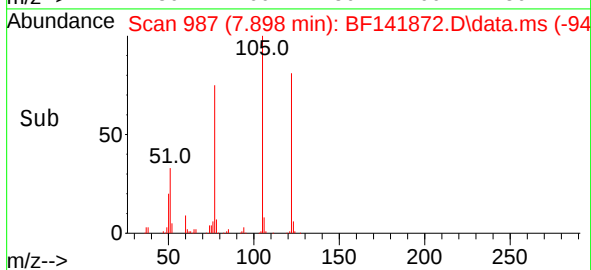
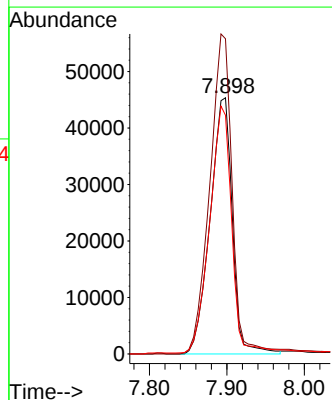
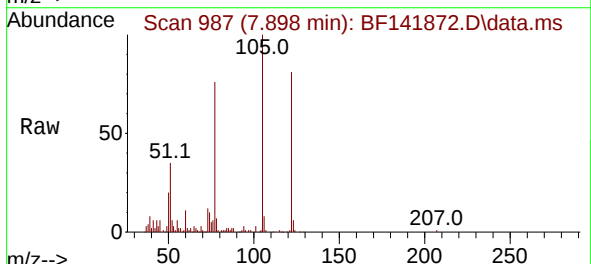
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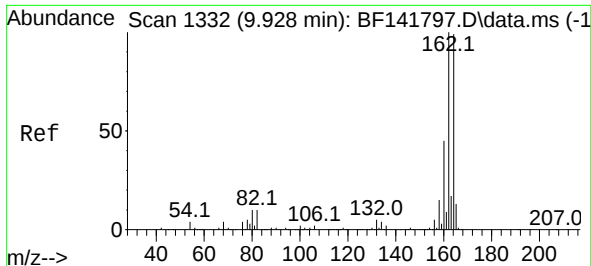
Tgt Ion:122 Resp: 90273
Ion Ratio Lower Upper
122 100
107 0.7 92.5 138.7#
121 1.1 47.1 70.7#



#32
Benzoic acid
Concen: 20.151 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion:122 Resp: 90273
Ion Ratio Lower Upper
122 100
105 123.0 105.8 145.8
77 93.1 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

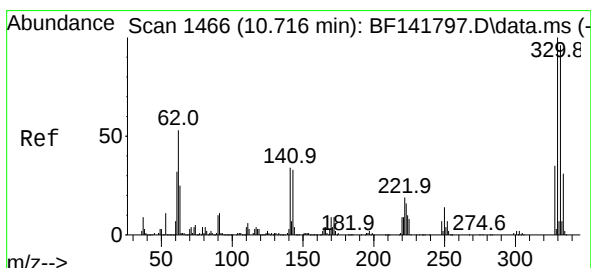
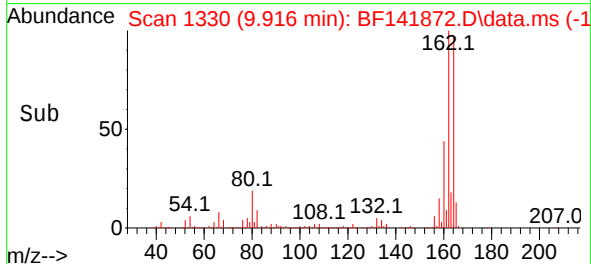
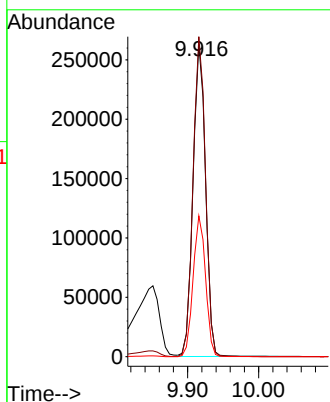
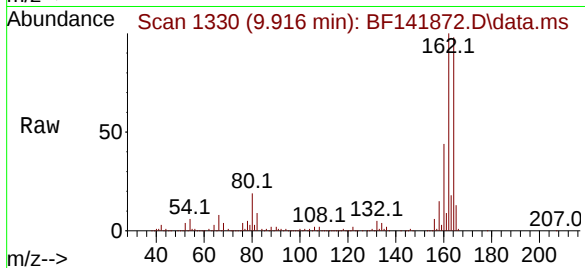
Tgt Ion:164 Resp: 323461

Ion Ratio Lower Upper

164 100

162 102.5 80.6 120.8

160 45.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 186.240 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

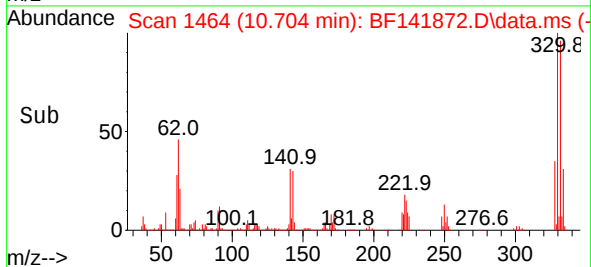
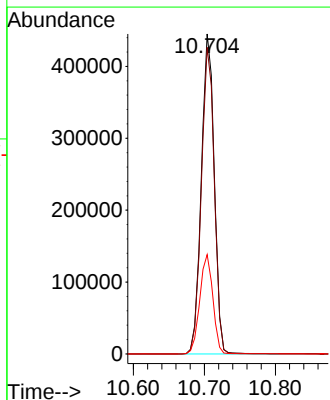
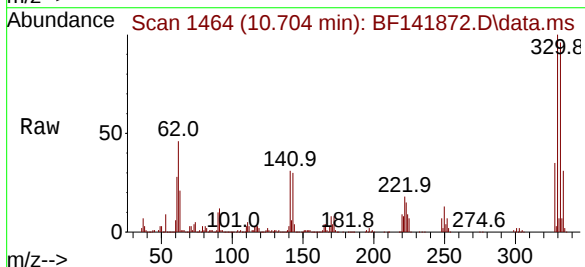
Tgt Ion:330 Resp: 565557

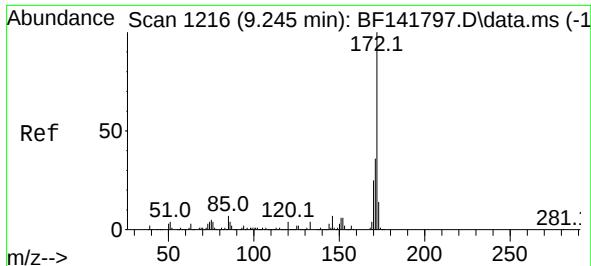
Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

141 31.5 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 101.574 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

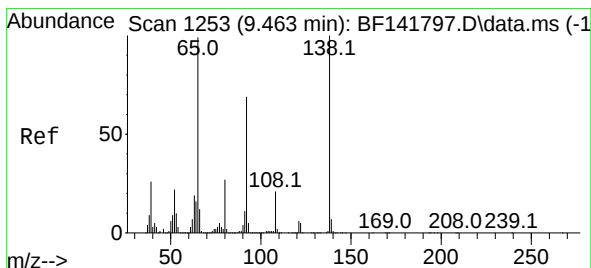
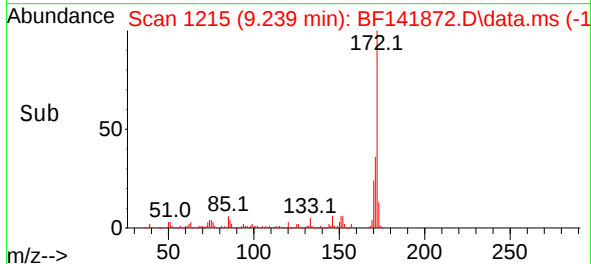
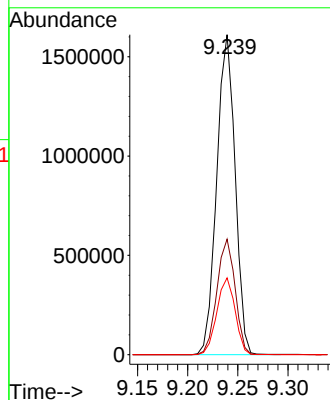
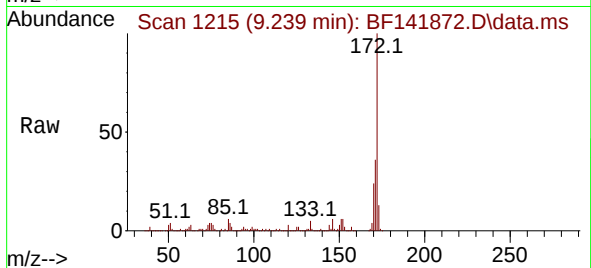
Tgt Ion:172 Resp: 2049037

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.0 19.7 29.5



#48

2-Nitroaniline

Concen: 4.370 ng

RT: 9.533 min Scan# 1265

Delta R.T. 0.070 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

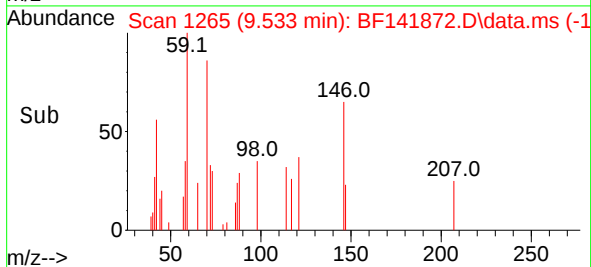
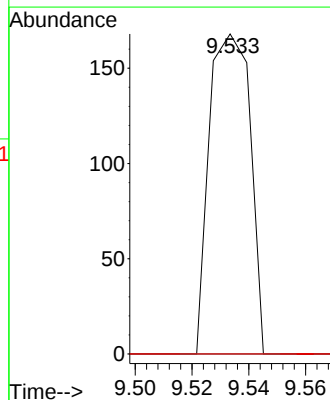
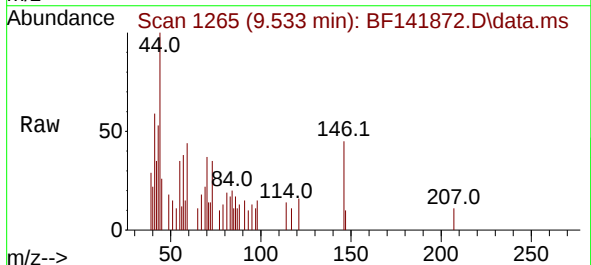
Tgt Ion: 65 Resp: 168

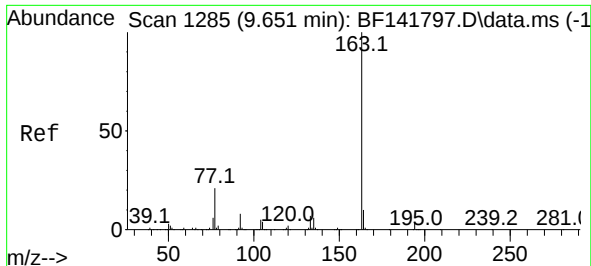
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#





#50

Dimethylphthalate

Concen: 60.933 ng

RT: 9.851 min Scan# 1319

Delta R.T. 0.200 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

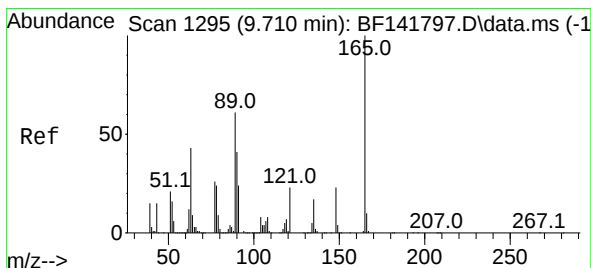
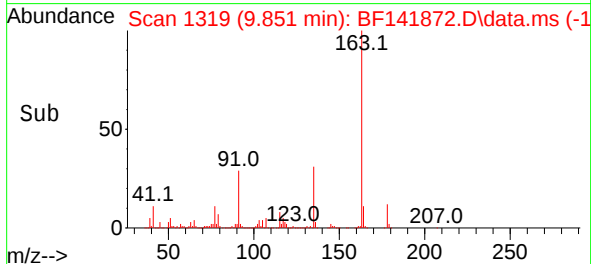
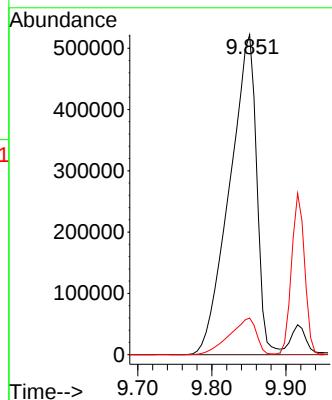
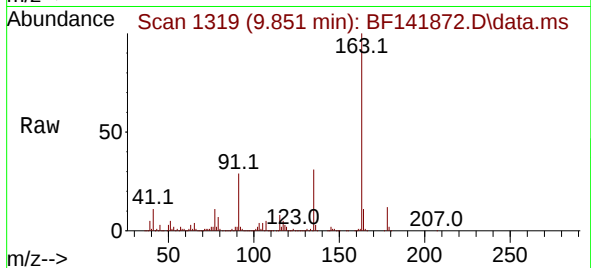
Tgt Ion:163 Resp: 1319898

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 11.4 8.4 12.6



#51

2,6-Dinitrotoluene

Concen: 5.898 ng

RT: 9.851 min Scan# 1319

Delta R.T. 0.141 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

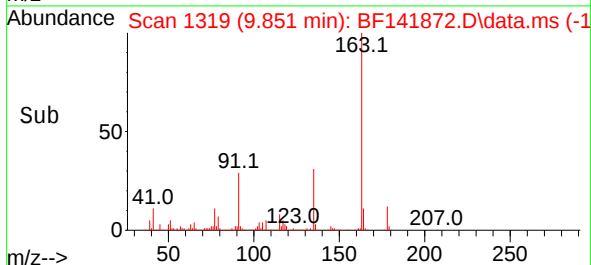
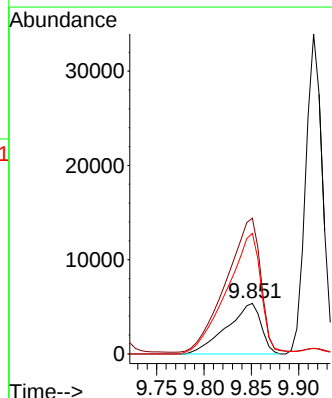
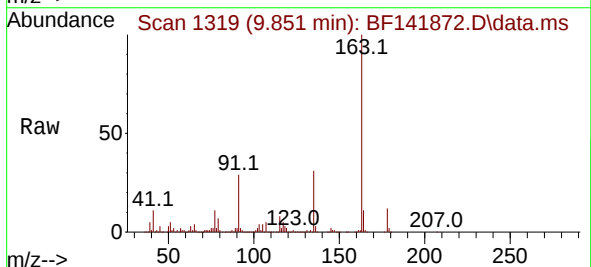
Tgt Ion:165 Resp: 13514

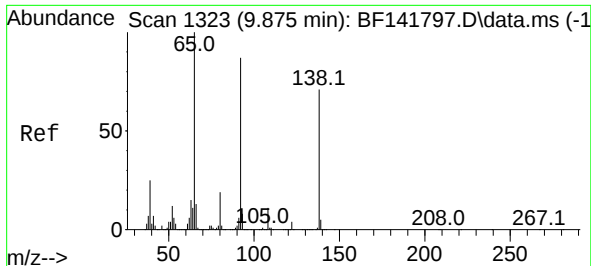
Ion Ratio Lower Upper

165 100

63 268.4 49.5 74.3#

89 238.5 49.0 73.4#

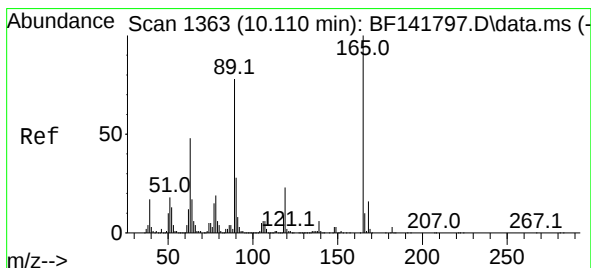
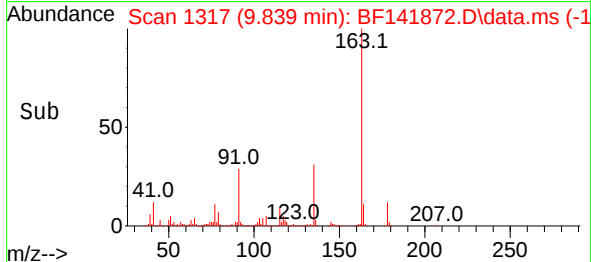
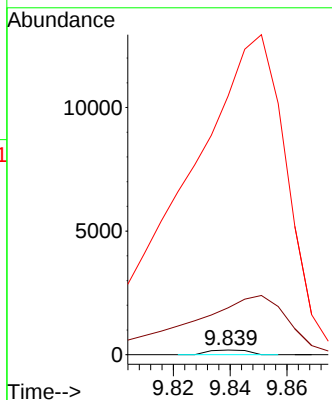
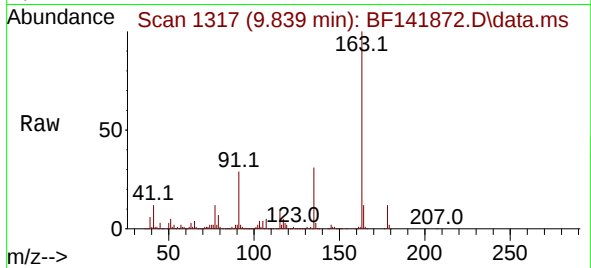




#53
3-Nitroaniline
Concen: 3.006 ng
RT: 9.839 min Scan# 14
Delta R.T. -0.036 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

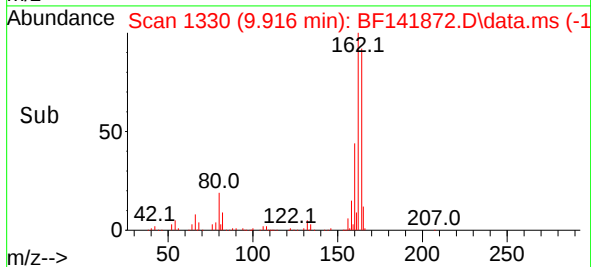
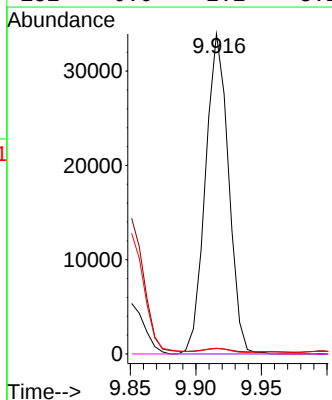
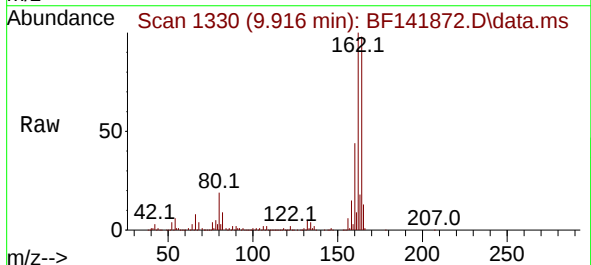
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

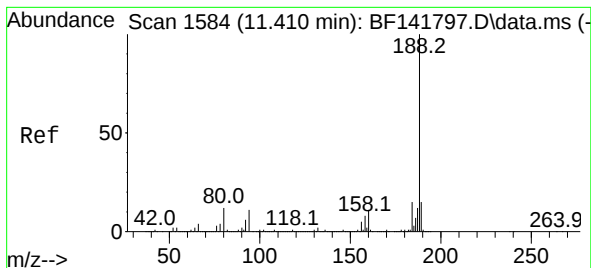
Tgt Ion:138 Resp: 183
Ion Ratio Lower Upper
138 100
108 1009.6 12.7 19.1#
92 5568.1 97.9 146.9#



#57
2,4-Dinitrotoluene
Concen: 11.144 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion:165 Resp: 41620
Ion Ratio Lower Upper
165 100
63 1.7 38.8 58.2#
89 1.8 62.6 94.0#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

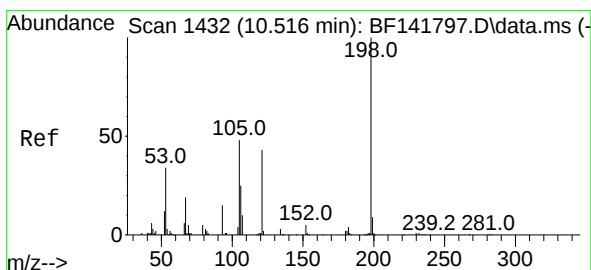
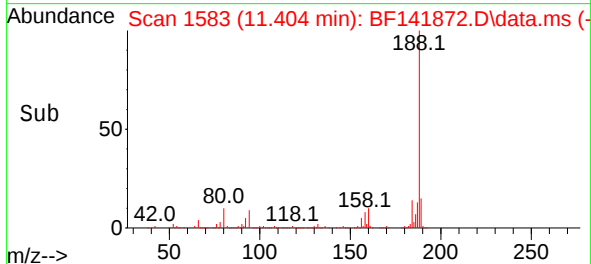
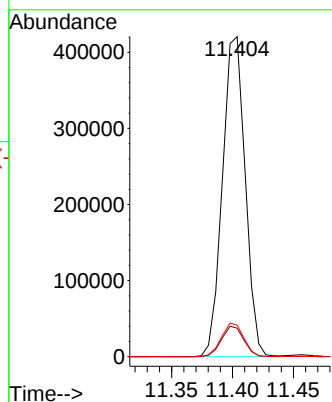
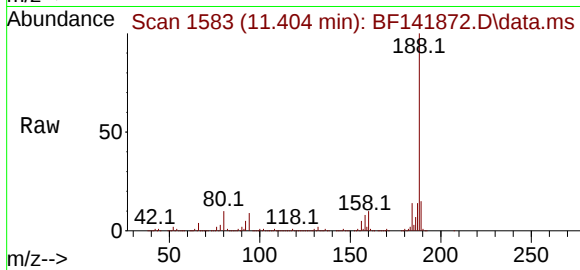
Tgt Ion:188 Resp: 547761

Ion Ratio Lower Upper

188 100

94 8.9 8.9 13.3

80 9.9 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.606 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

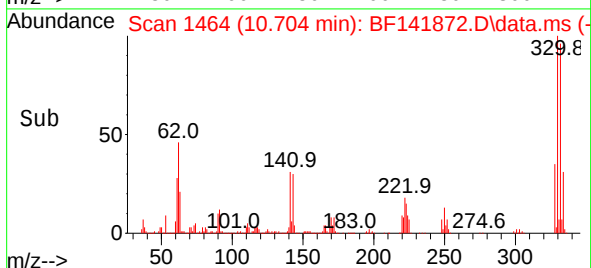
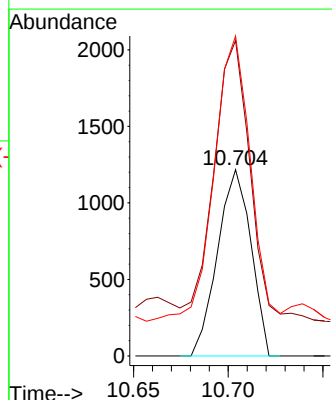
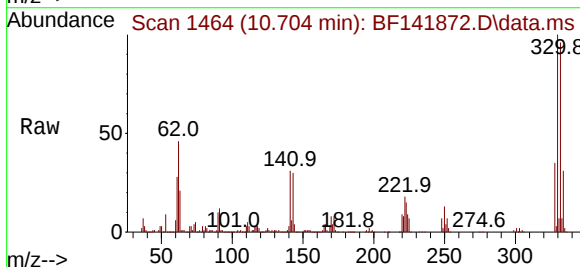
Tgt Ion:198 Resp: 1490

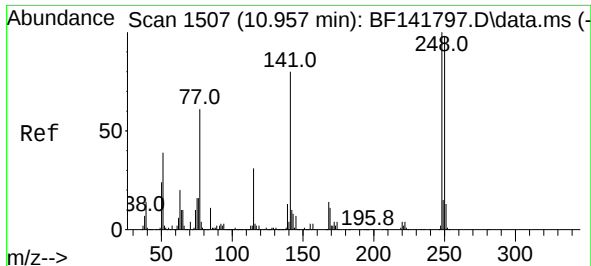
Ion Ratio Lower Upper

198 100

51 169.4 32.1 72.1#

105 171.8 28.5 68.5#





#67

4-Bromophenyl-phenylether

Concen: 5.729 ng

RT: 10.704 min Scan# 141

Delta R.T. -0.253 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

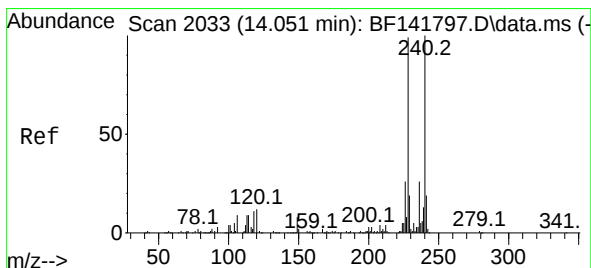
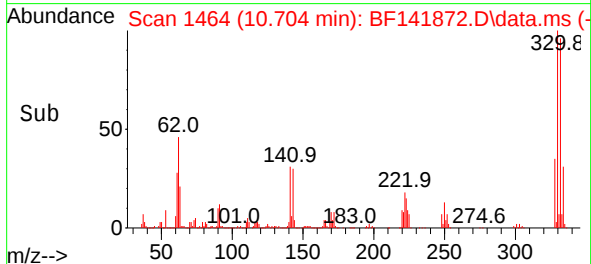
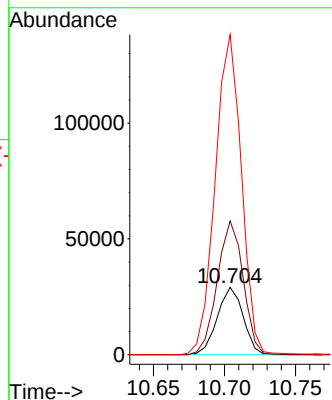
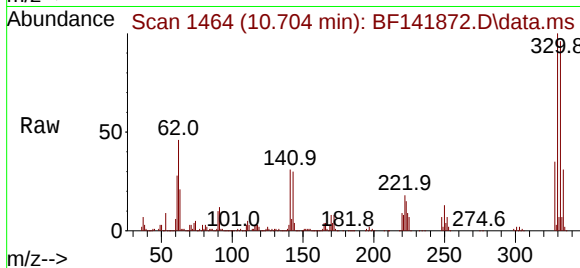
Tgt Ion:248 Resp: 36654

Ion Ratio Lower Upper

248 100

250 198.8 78.1 117.1#

141 475.4 64.3 96.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

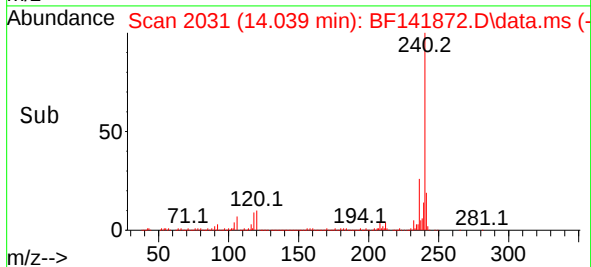
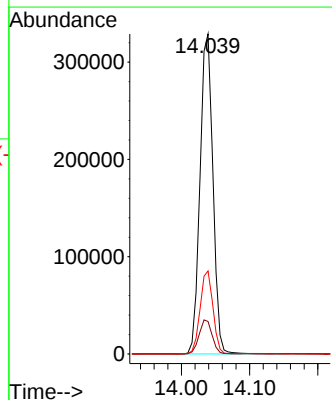
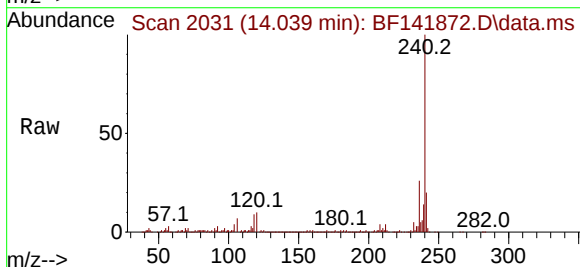
Tgt Ion:240 Resp: 434019

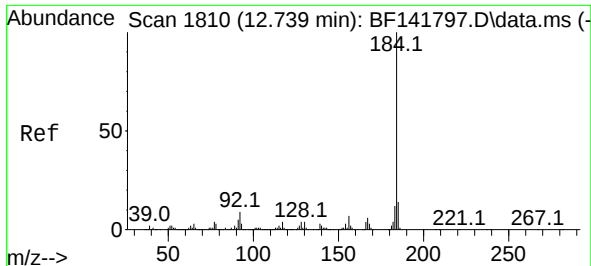
Ion Ratio Lower Upper

240 100

120 10.1 9.7 14.5

236 25.9 21.0 31.4

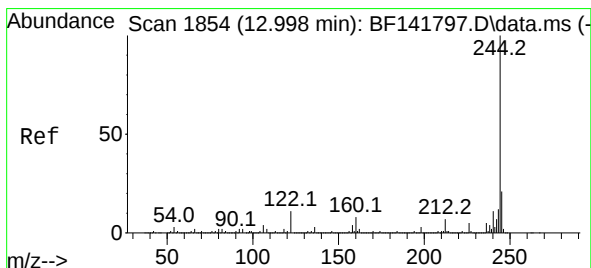
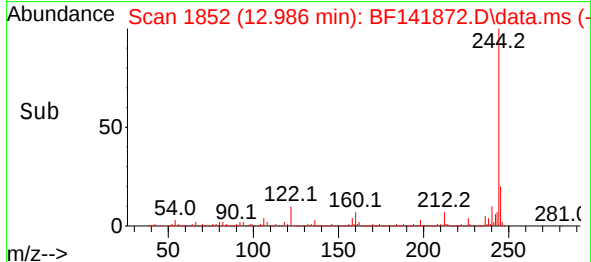
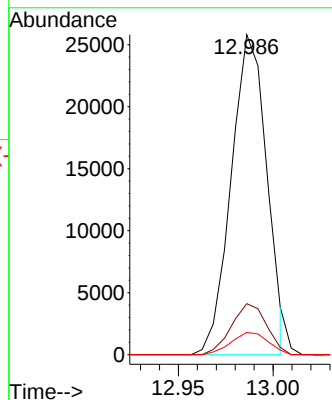
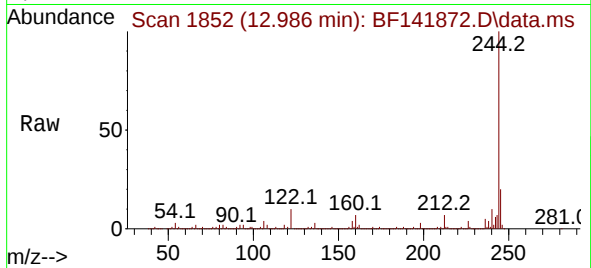




#77
Benzidine
Concen: 6.173 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

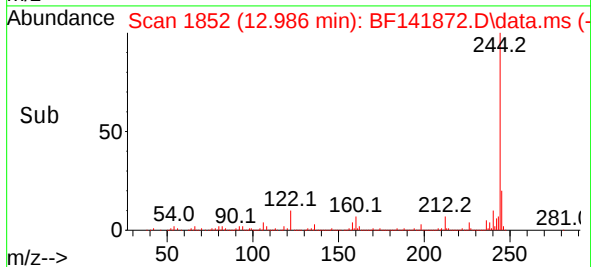
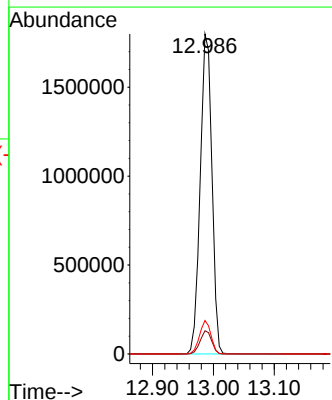
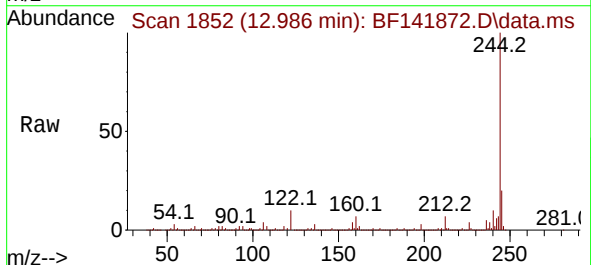
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

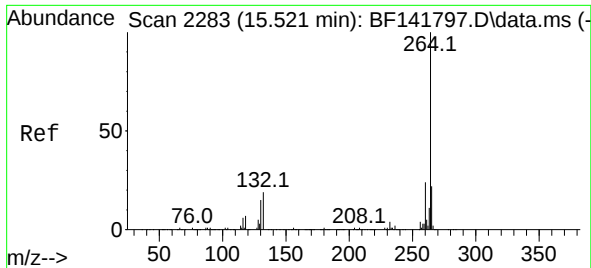
Tgt Ion:184 Resp: 33722
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 6.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 89.639 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion:244 Resp: 2404636
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.4 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Tgt Ion:264 Resp: 452777
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.6 17.4 26.0

