

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141892.D
 Acq On : 07 Mar 2025 18:01
 Operator : RC/JU
 Sample : Q1488-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01

Quant Time: Mar 07 21:45:09 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)

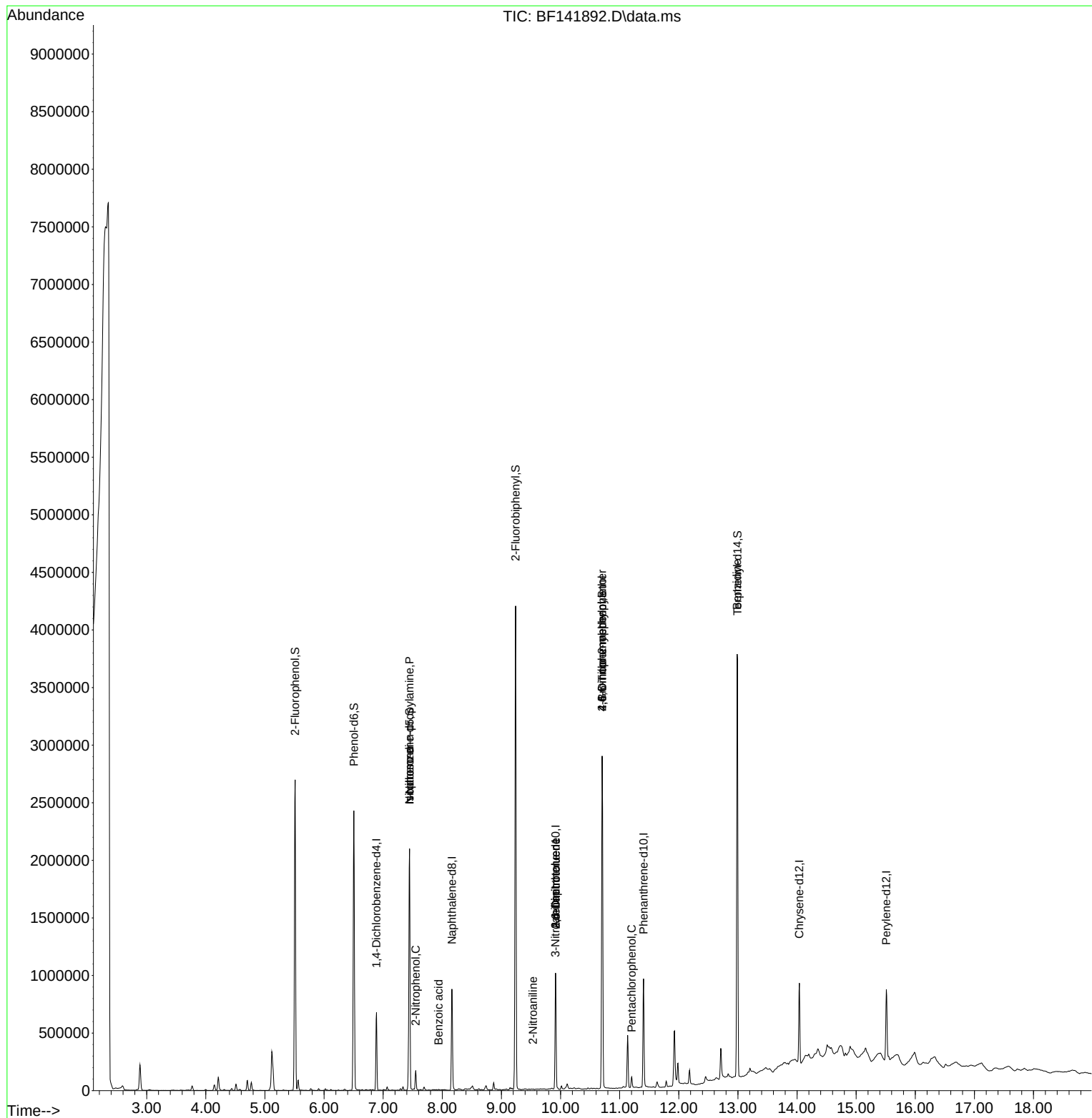
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	140140	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	544005	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	296494	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	468306	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	340144	20.000	ng	#-0.01
86) Perylene-d12	15.510	264	371112	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1051857	119.866	ng	0.01
7) Phenol-d6	6.504	99	1170047	102.440	ng	0.00
23) Nitrobenzene-d5	7.445	82	964644	113.345	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	517553	185.933	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1845811	99.822	ng	0.00
79) Terphenyl-d14	12.992	244	1875451	89.207	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	134468	17.909	ng	# 76
25) Isophorone	7.445	82	960774	52.547	ng	# 66
26) 2-Nitrophenol	7.551	139	1831	4.957	ng	# 56
32) Benzoic acid	7.940	122	1503	7.916	ng	# 25
48) 2-Nitroaniline	9.534	65	126	4.364	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	39027	12.498	ng	# 21
53) 3-Nitroaniline	9.910	138	109	2.992	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	39137	11.341	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1196	8.577	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	33552	6.134	ng	# 1
70) Pentachlorophenol	11.204	266	15420	4.209	ng	97
77) Benzidine	12.986	184	26396	6.166	ng	# 91

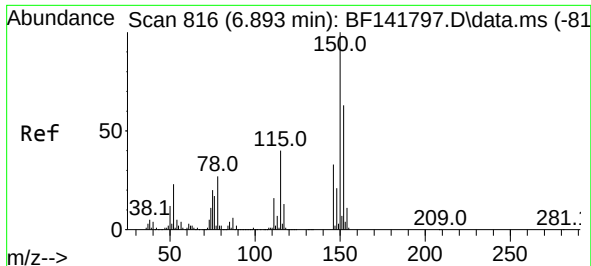
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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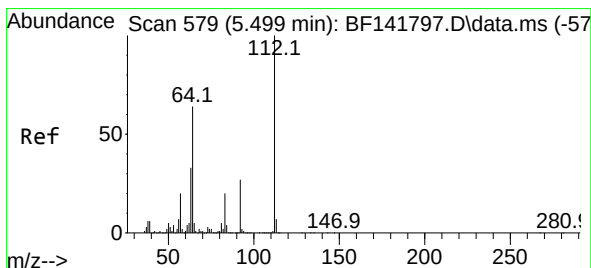
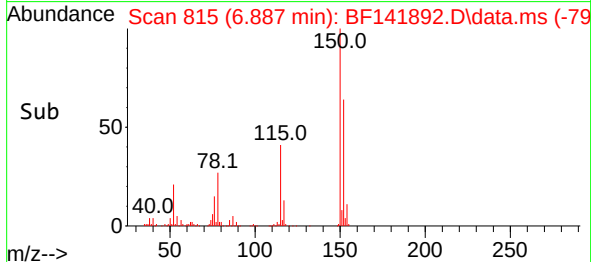
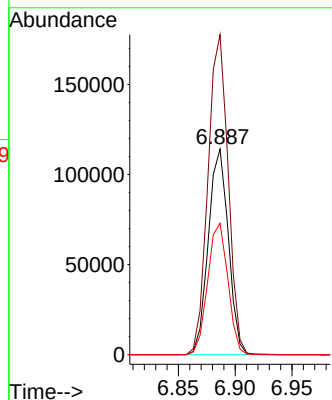
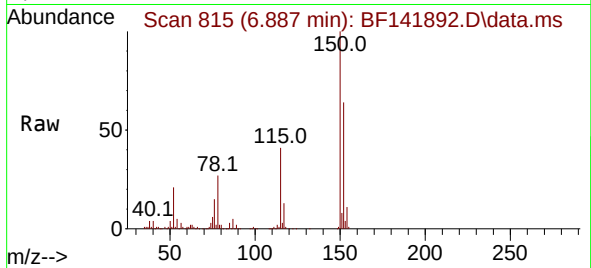




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

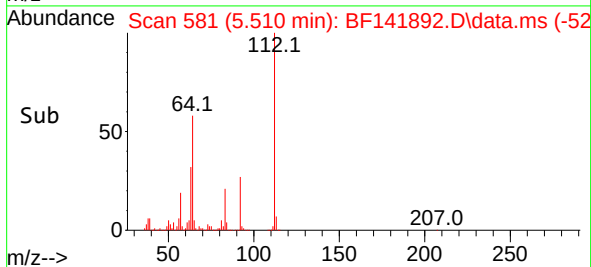
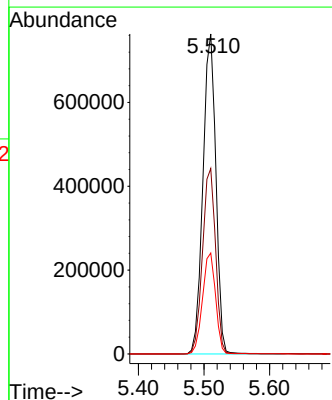
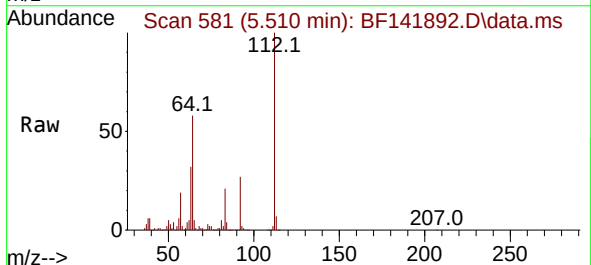
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

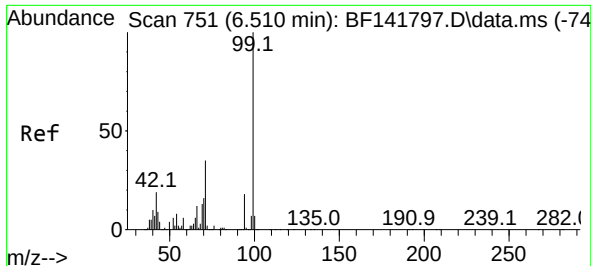
Tgt Ion:152 Resp: 140140
Ion Ratio Lower Upper
152 100
150 155.6 127.5 191.3
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 119.866 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:112 Resp: 1051857
Ion Ratio Lower Upper
112 100
64 58.0 51.3 76.9
63 31.5 26.2 39.4

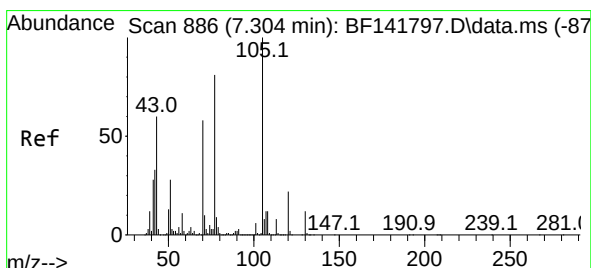
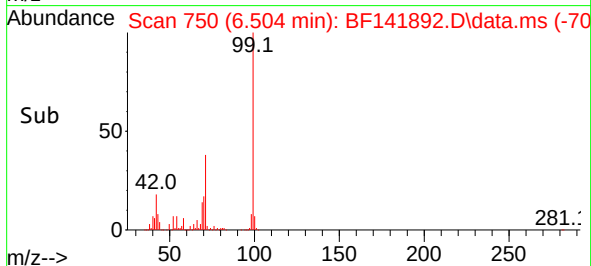
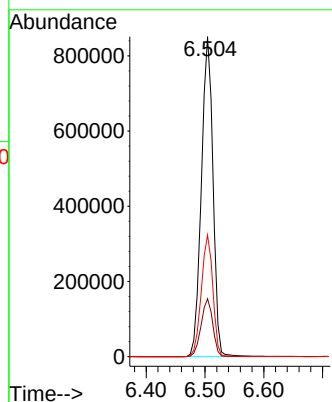
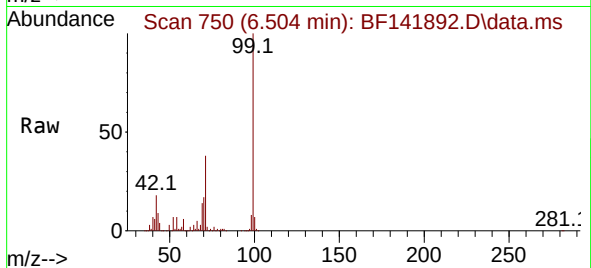




#7
Phenol-d6
Concen: 102.440 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

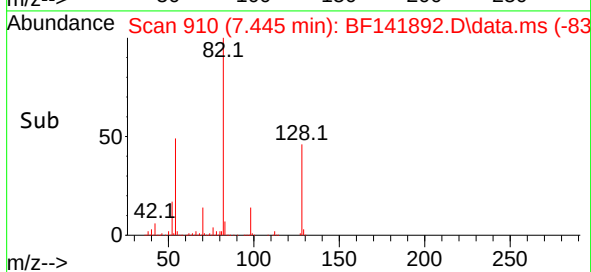
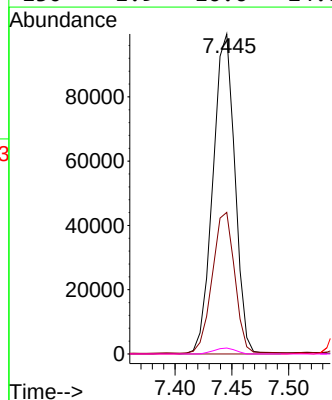
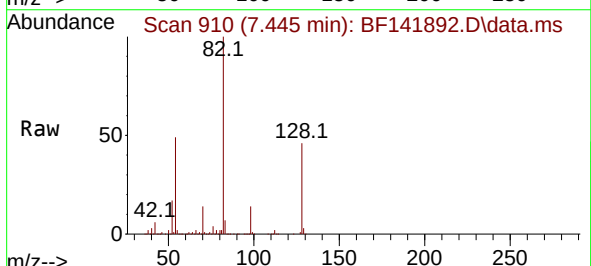
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

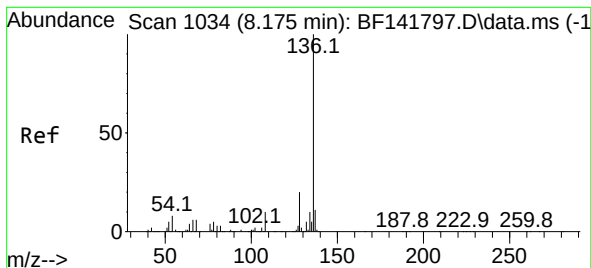
Tgt Ion: 99 Resp: 1170047
Ion Ratio Lower Upper
99 100
42 18.1 15.2 22.8
71 38.0 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.909 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion: 70 Resp: 134468
Ion Ratio Lower Upper
70 100
42 44.3 45.4 68.0#
101 0.0 7.8 11.8#
130 1.9 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: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

Tgt Ion:136 Resp: 544005

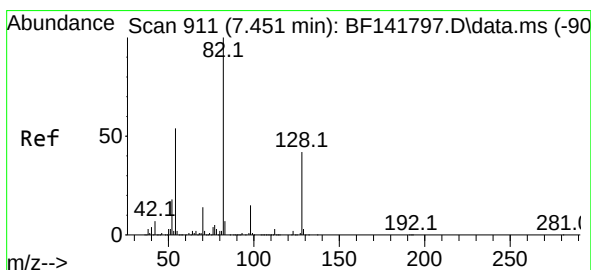
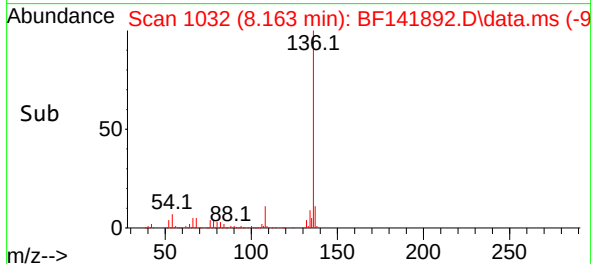
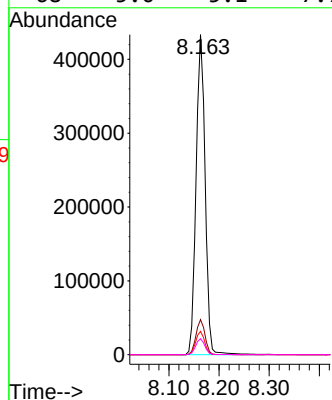
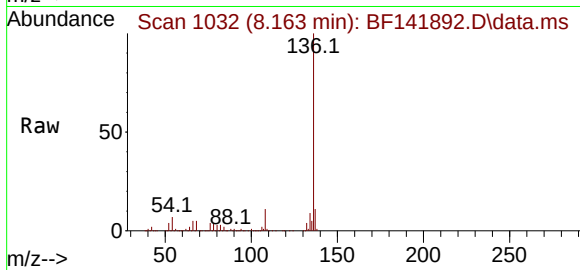
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 6.9 10.3

68 5.0 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 113.345 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

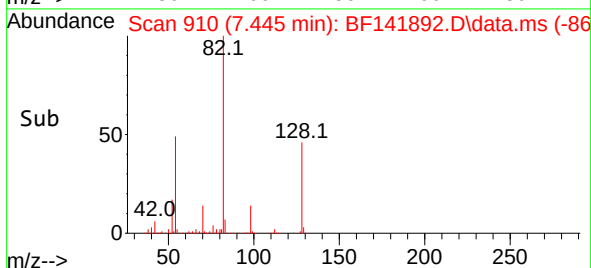
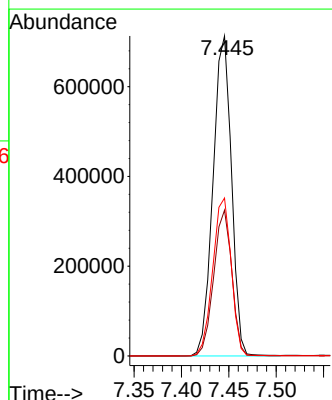
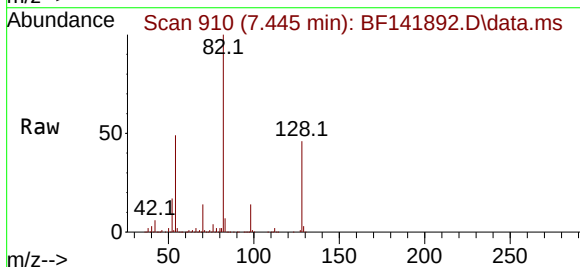
Tgt Ion: 82 Resp: 964644

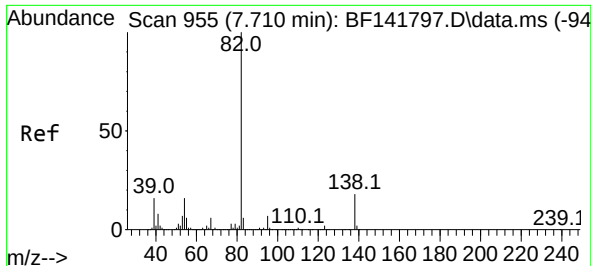
Ion Ratio Lower Upper

82 100

128 45.5 33.5 50.3

54 49.3 42.7 64.1

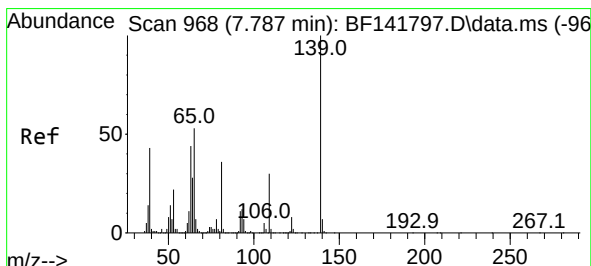
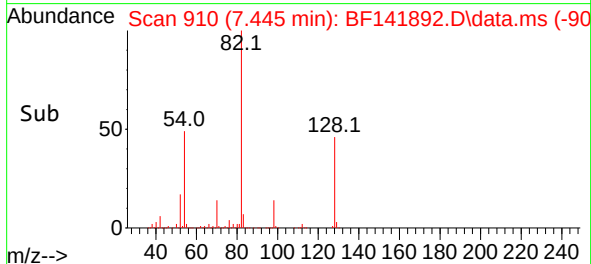
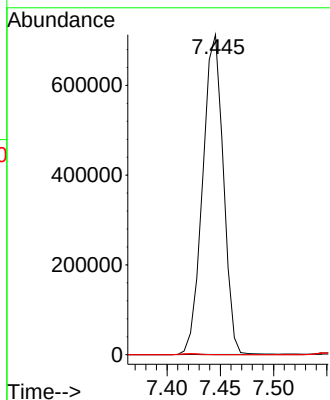
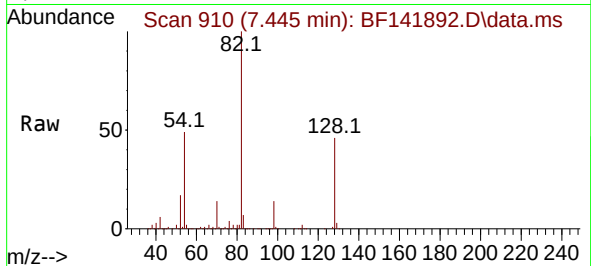




#25
Isophorone
Concen: 52.547 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

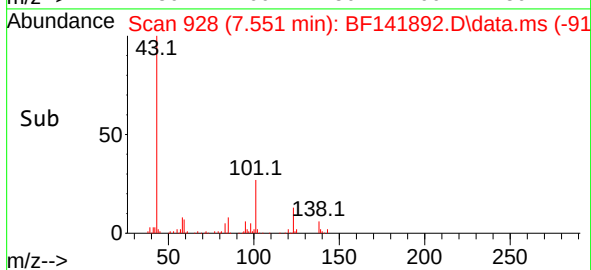
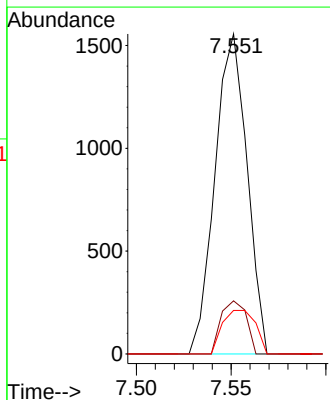
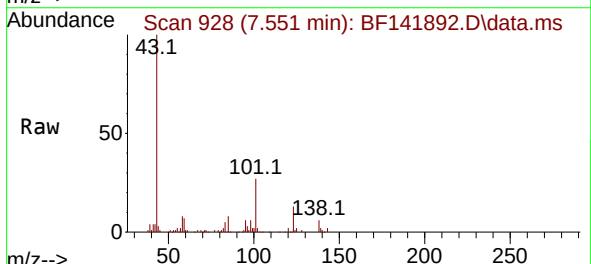
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

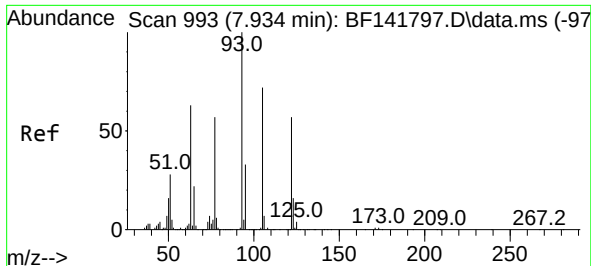
Tgt Ion: 82 Resp: 960774
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.957 ng
RT: 7.551 min Scan# 928
Delta R.T. -0.236 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion: 139 Resp: 1831
Ion Ratio Lower Upper
139 100
109 16.6 24.1 36.1#
65 13.6 42.3 63.5#

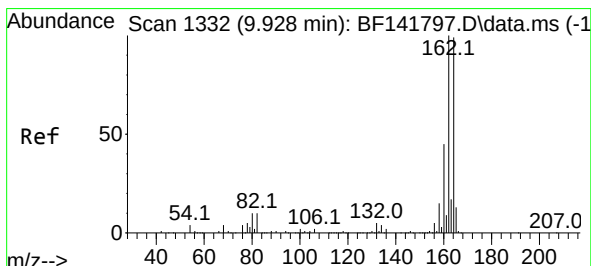
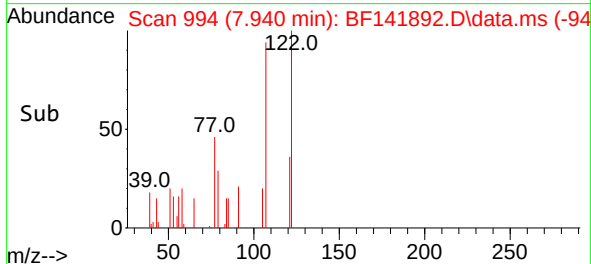
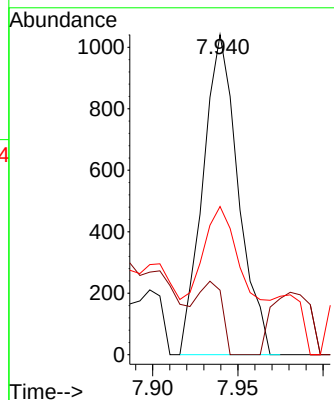
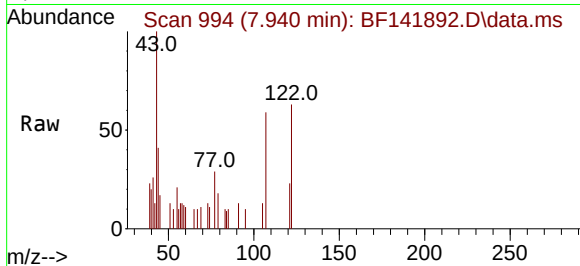




#32
Benzoic acid
Concen: 7.916 ng
RT: 7.940 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

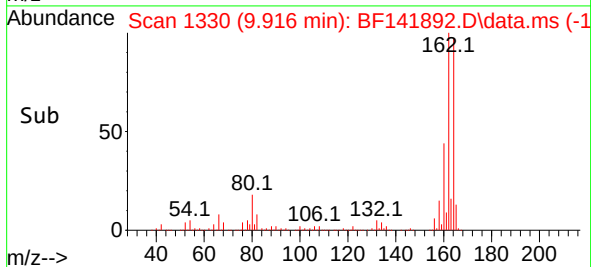
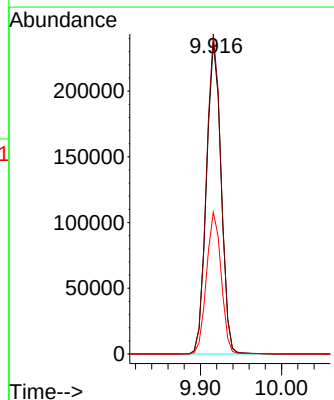
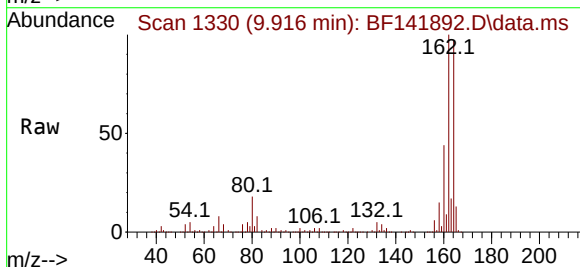
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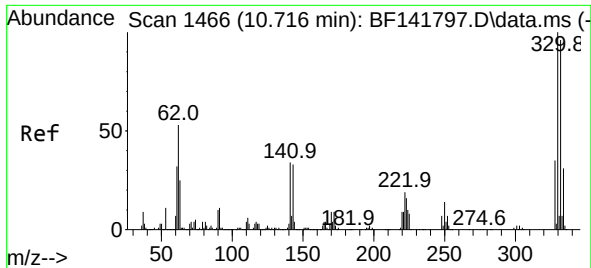
Tgt Ion:122 Resp: 1503
Ion Ratio Lower Upper
122 100
105 20.2 105.8 145.8#
77 46.3 79.9 119.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:164 Resp: 296494
Ion Ratio Lower Upper
164 100
162 102.7 80.6 120.8
160 45.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 185.933 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

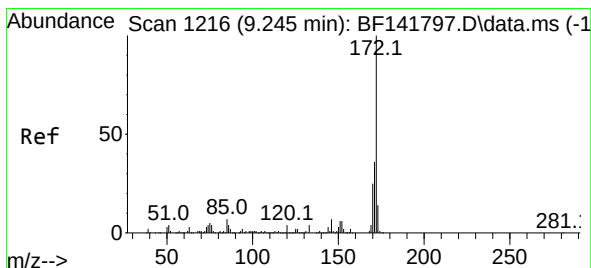
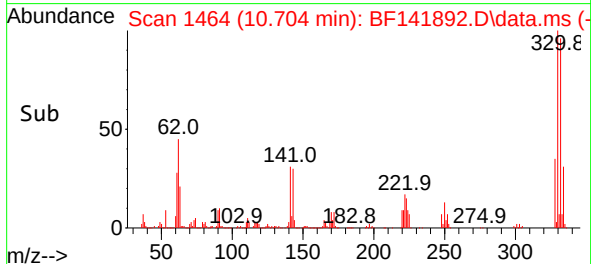
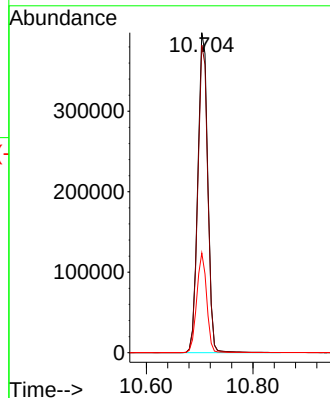
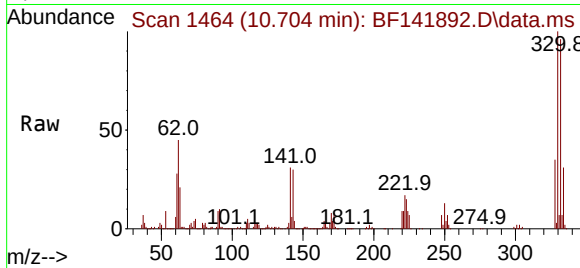
Tgt Ion:330 Resp: 517553

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 30.8 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 99.822 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

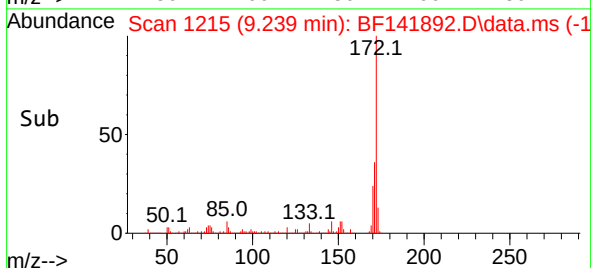
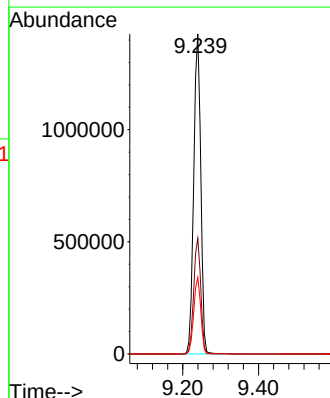
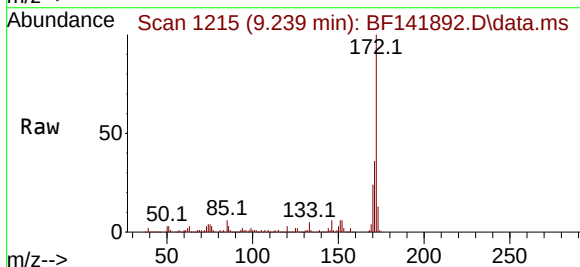
Tgt Ion:172 Resp: 1845811

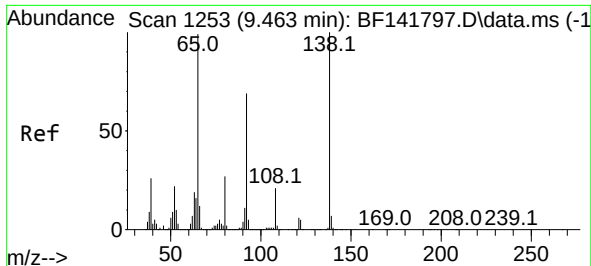
Ion Ratio Lower Upper

172 100

171 36.2 29.2 43.8

170 23.8 19.7 29.5

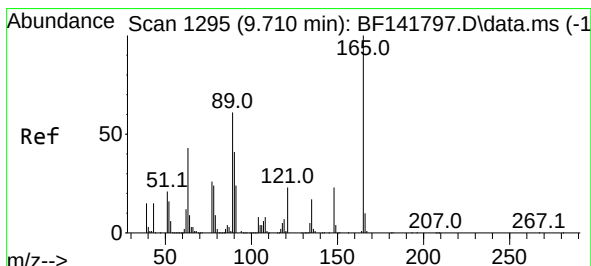
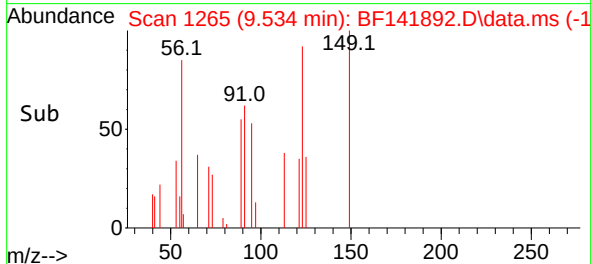
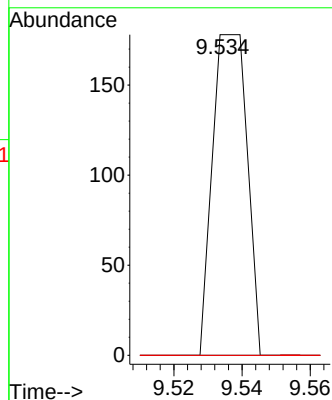
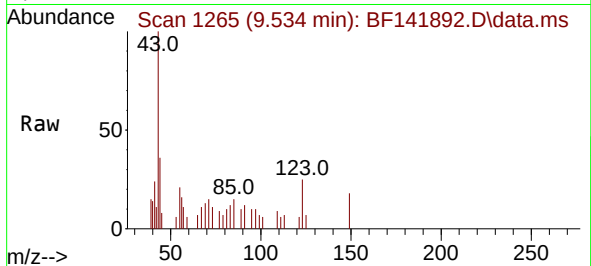




#48
2-Nitroaniline
Concen: 4.364 ng
RT: 9.534 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

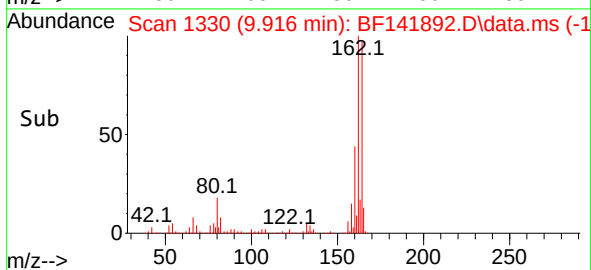
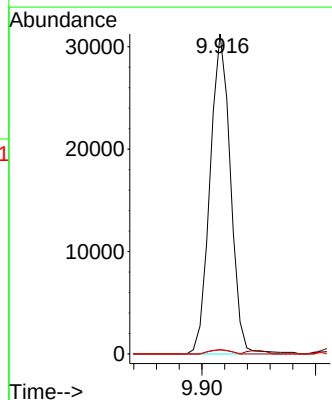
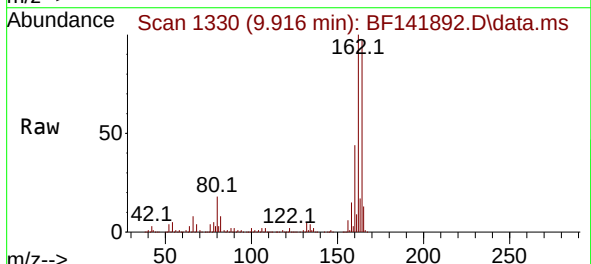
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

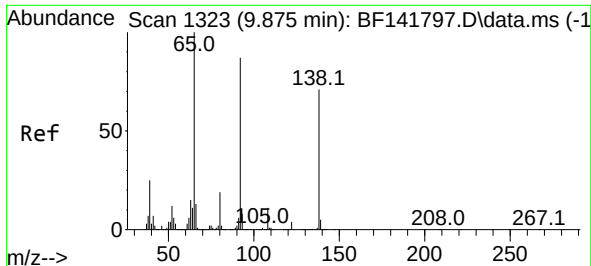
Tgt Ion: 65 Resp: 126
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.498 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion: 165 Resp: 39027
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.3 49.0 73.4#

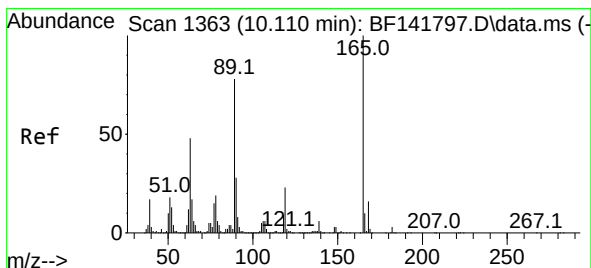
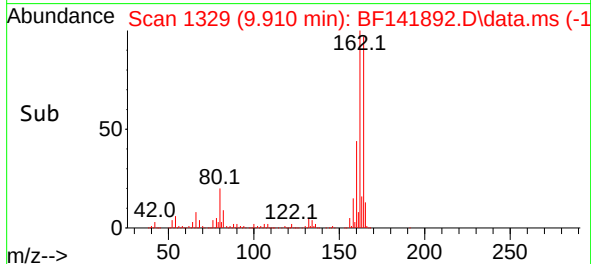
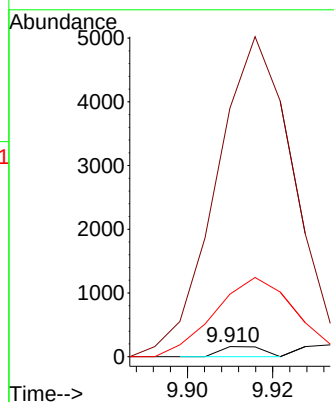
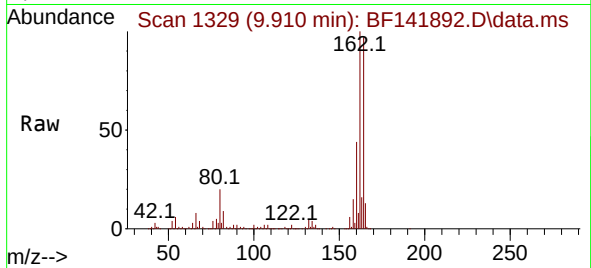




#53
3-Nitroaniline
Concen: 2.992 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

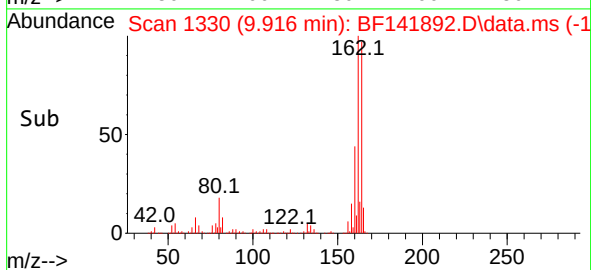
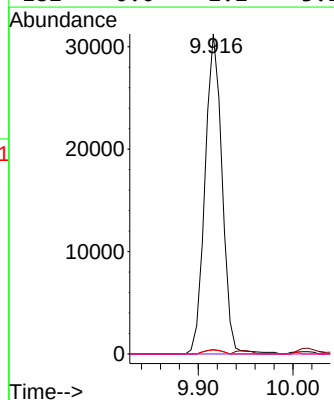
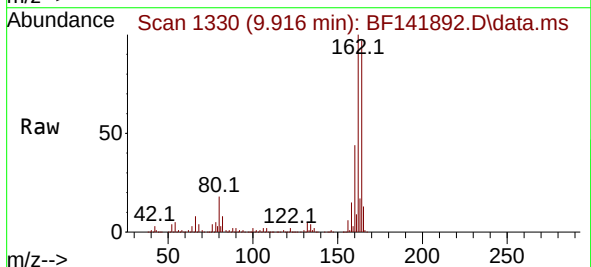
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

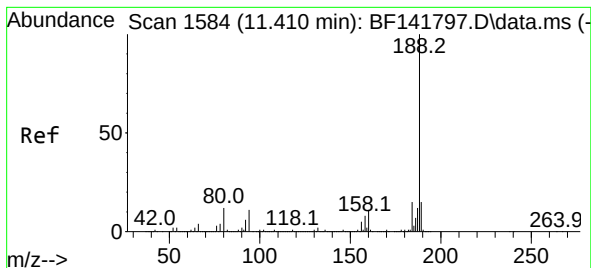
Tgt Ion:138 Resp: 109
Ion Ratio Lower Upper
138 100
108 2486.0 12.7 19.1#
92 625.5 97.9 146.9#



#57
2,4-Dinitrotoluene
Concen: 11.341 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:165 Resp: 39137
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.3 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: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

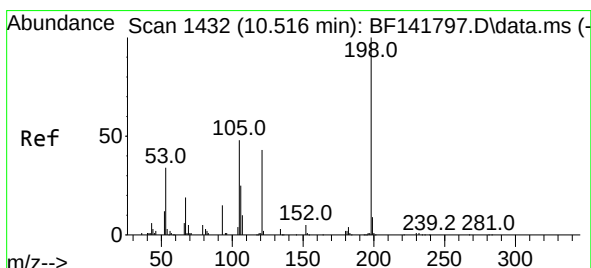
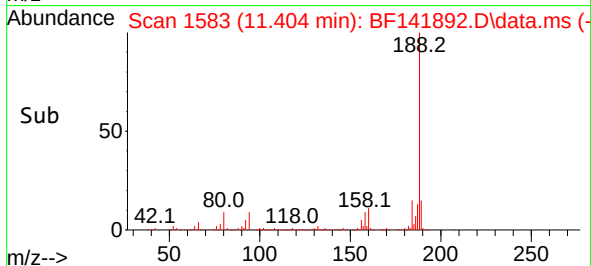
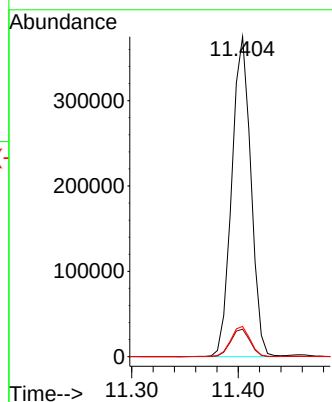
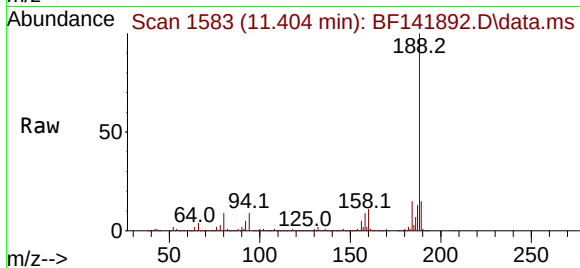
Tgt Ion:188 Resp: 468306

Ion Ratio Lower Upper

188 100

94 8.6 8.9 13.3#

80 9.4 9.7 14.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.577 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

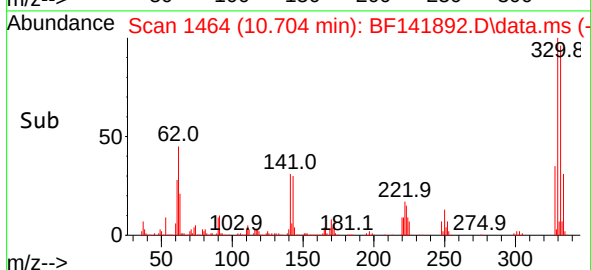
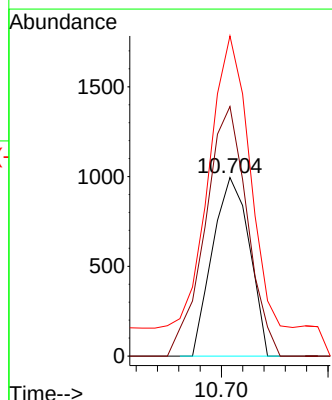
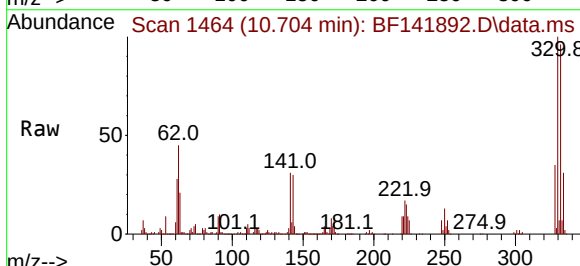
Tgt Ion:198 Resp: 1196

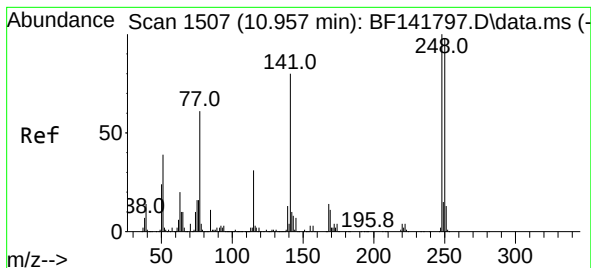
Ion Ratio Lower Upper

198 100

51 139.8 32.1 72.1#

105 179.4 28.5 68.5#

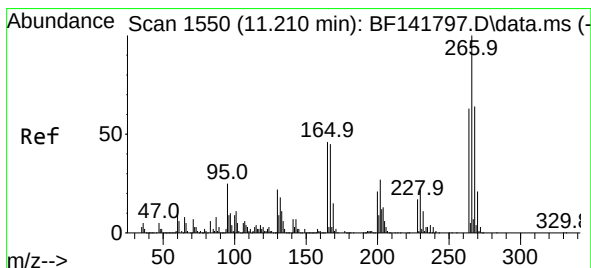
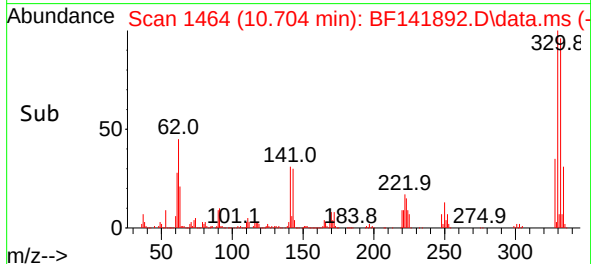
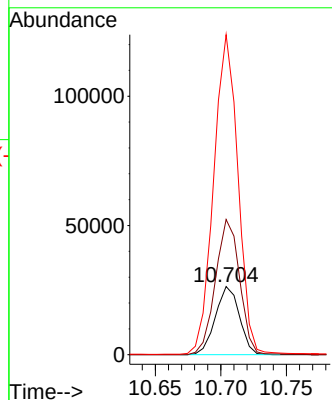
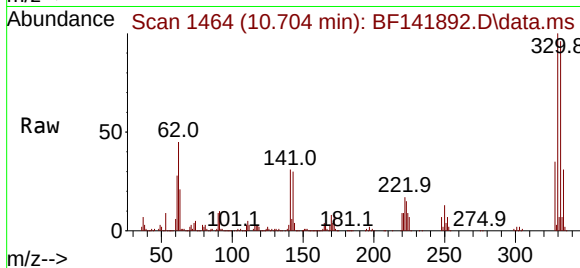




#67
4-Bromophenyl-phenylether
Concen: 6.134 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

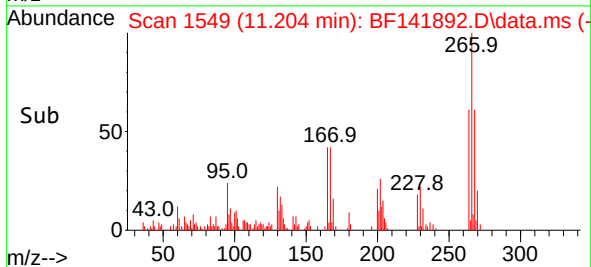
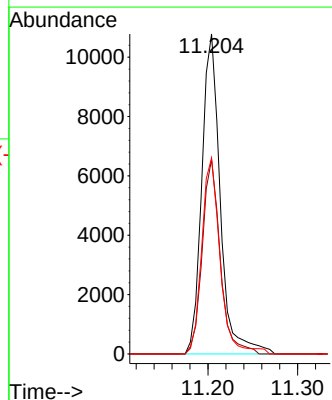
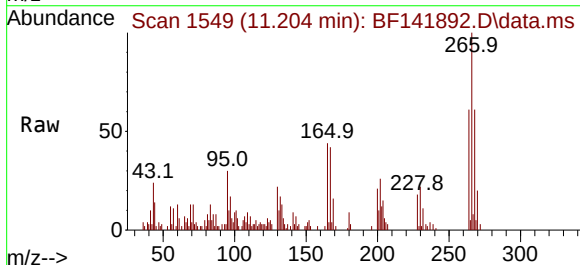
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

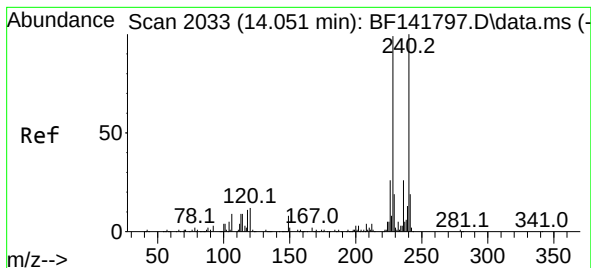
Tgt Ion:248 Resp: 33552
Ion Ratio Lower Upper
248 100
250 198.5 78.1 117.1#
141 469.5 64.3 96.5#



#70
Pentachlorophenol
Concen: 4.209 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:266 Resp: 15420
Ion Ratio Lower Upper
266 100
268 60.8 50.9 76.3
264 61.3 50.2 75.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

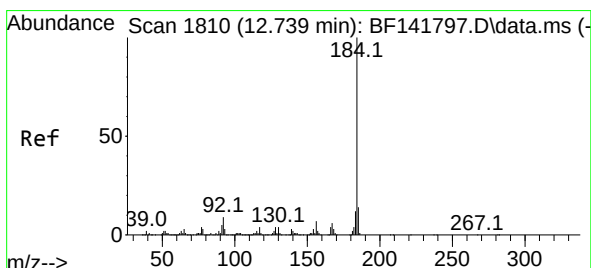
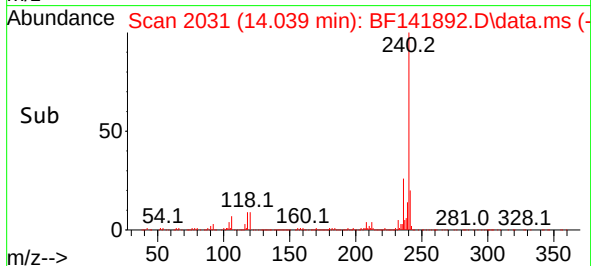
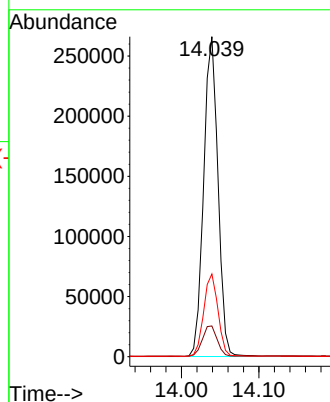
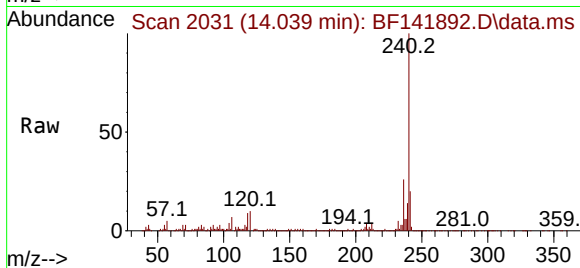
Tgt Ion:240 Resp: 340144

Ion Ratio Lower Upper

240 100

120 9.6 9.7 14.5#

236 25.9 21.0 31.4



#77

Benzidine

Concen: 6.166 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

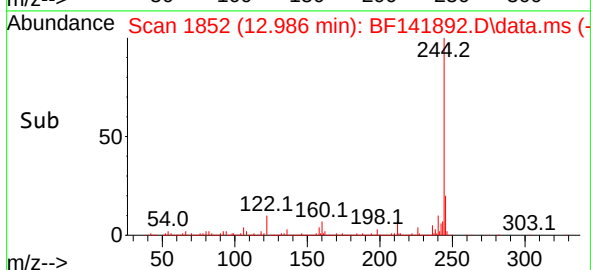
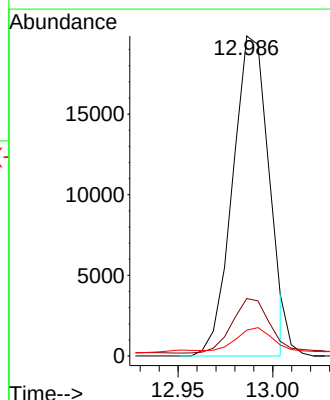
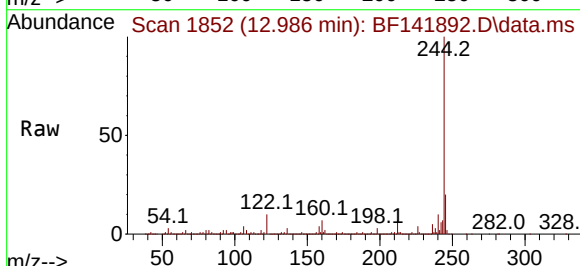
Tgt Ion:184 Resp: 26396

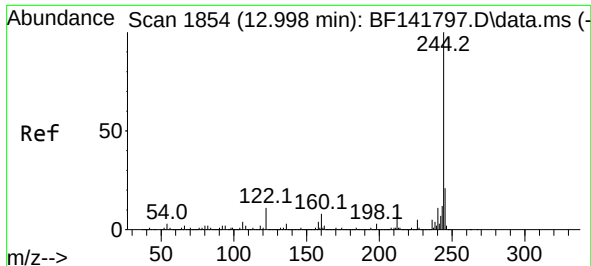
Ion Ratio Lower Upper

184 100

185 18.0 11.6 17.4#

183 8.1 9.4 14.0#

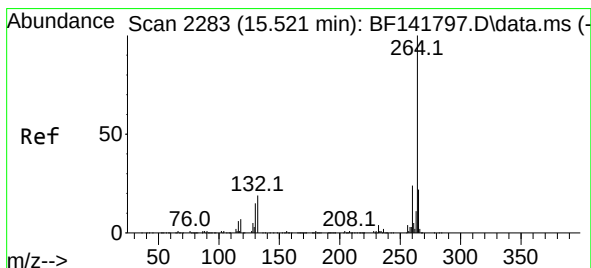
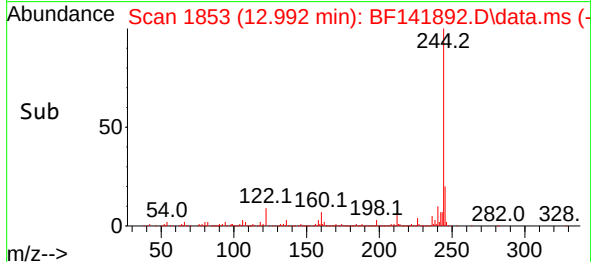
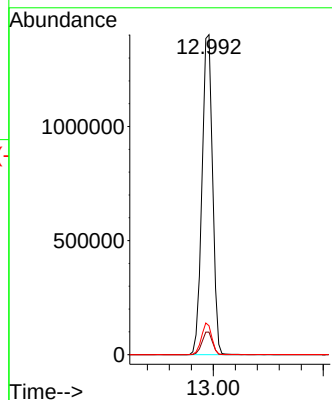
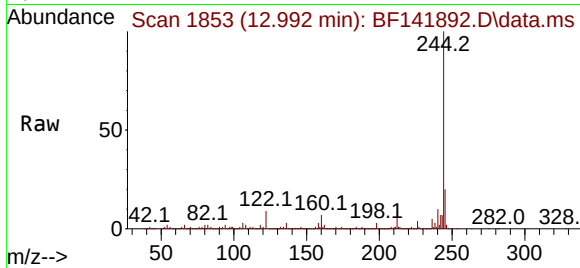




#79
 Terphenyl-d14
 Concen: 89.207 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF141892.D
 Acq: 07 Mar 2025 18:01

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01

Tgt Ion:244 Resp: 1875451
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141892.D
 Acq: 07 Mar 2025 18:01

Tgt Ion:264 Resp: 371112
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 21.7 17.4 26.0

