

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141865.D
 Acq On : 06 Mar 2025 13:31
 Operator : RC/JU
 Sample : Q1488-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01

Quant Time: Mar 06 14:23:30 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)

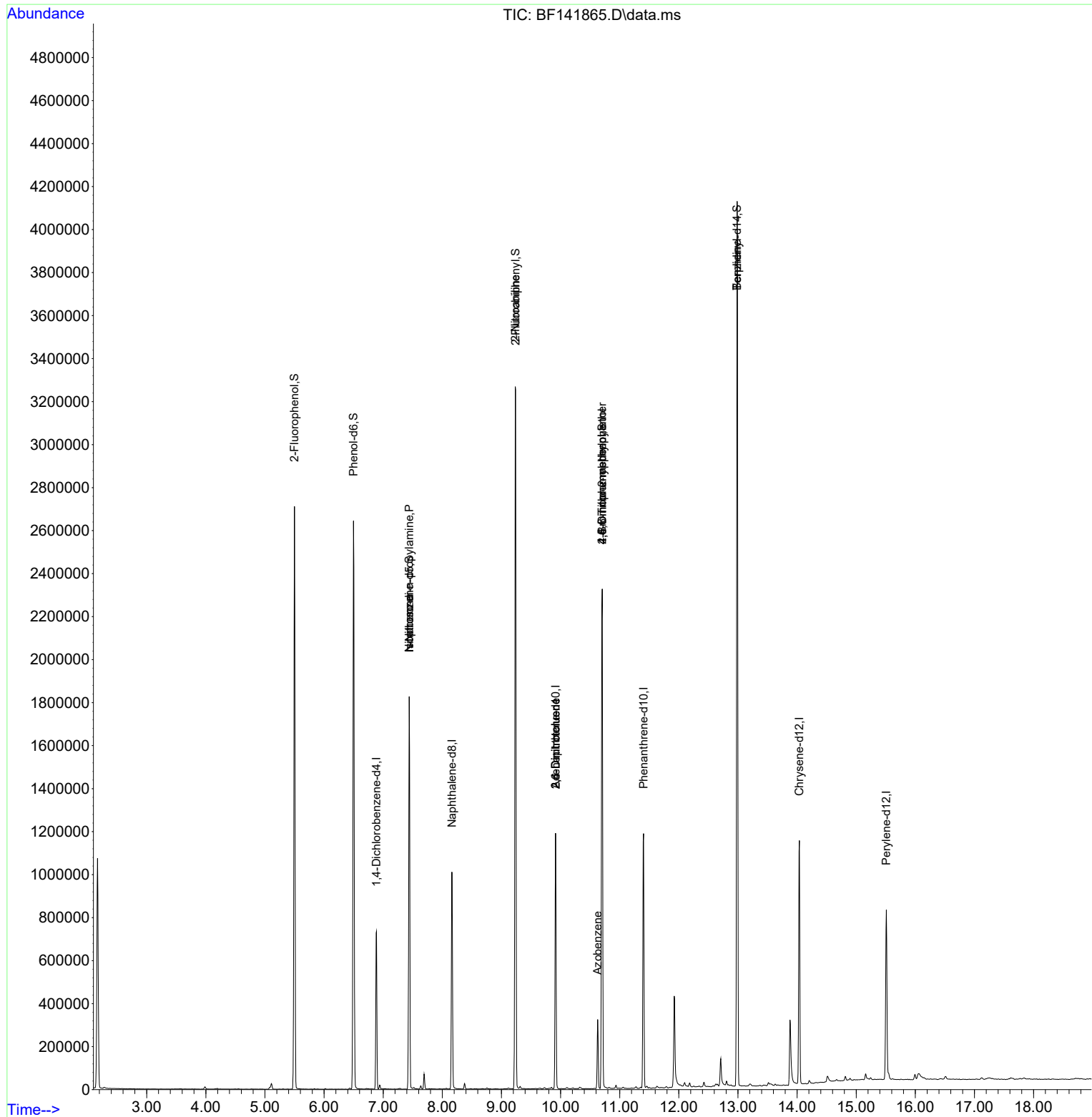
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	157980	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	615246	20.00	ng	-0.01
39) Acenaphthene-d10	9.916	164	336755	20.00	ng	-0.01
64) Phenanthrene-d10	11.404	188	605607	20.00	ng	0.00
76) Chrysene-d12	14.039	240	545094	20.00	ng	-0.01
86) Perylene-d12	15.509	264	450529	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1009938	102.09	ng	0.00
7) Phenol-d6	6.498	99	1263623	98.14	ng	-0.01
23) Nitrobenzene-d5	7.439	82	805343	83.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	396096	125.29	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1478775	70.41	ng	0.00
79) Terphenyl-d14	12.986	244	2007767	59.59	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	109893	12.98	ng	# 78
25) Isophorone	7.439	82	801612	38.77	ng	# 66
48) 2-Nitroaniline	9.233	65	2412	4.76	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	43932	12.41	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	43932	11.25	ng	# 20
63) Azobenzene	10.627	77	79704	3.35	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	851	8.37	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	26724	3.78	ng	# 1
77) Benzidine	12.986	184	27309	3.98	ng	# 91

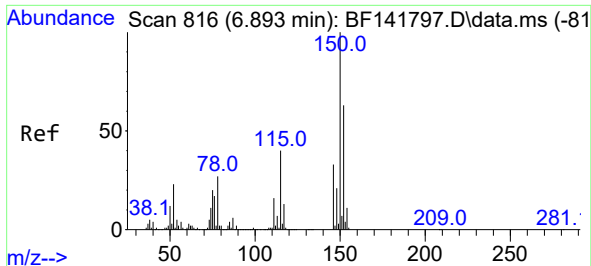
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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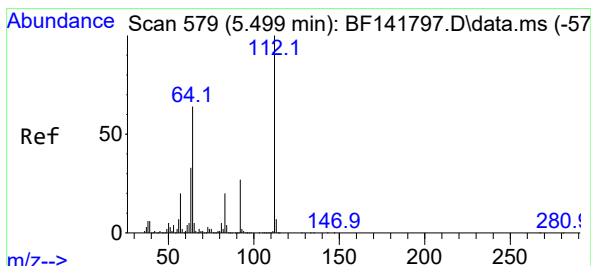
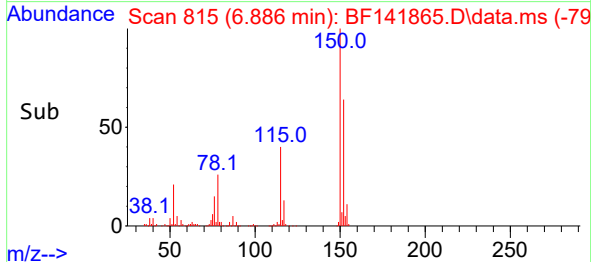
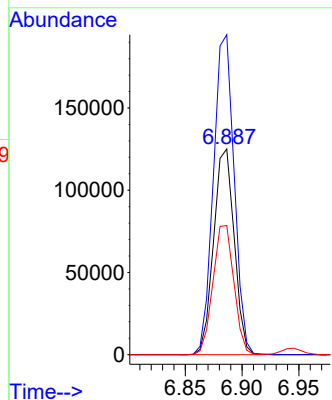
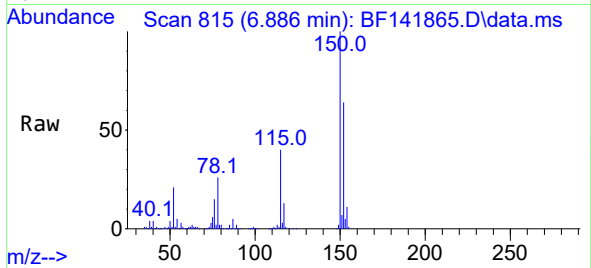




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

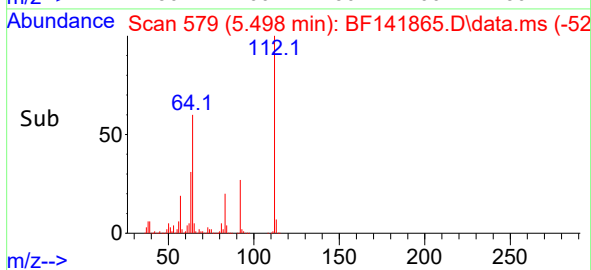
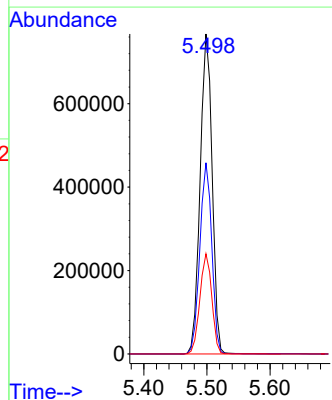
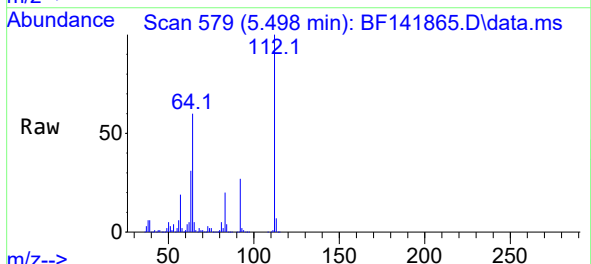
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

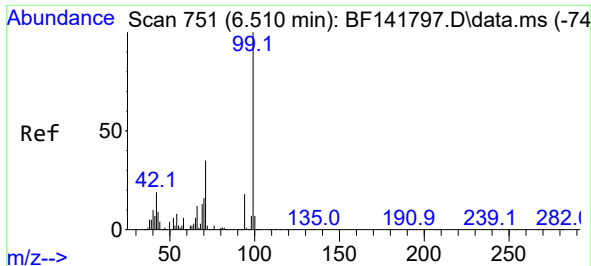
Tgt Ion:152 Resp: 157980
Ion Ratio Lower Upper
152 100
150 155.5 127.5 191.3
115 62.8 51.4 77.2



#5
2-Fluorophenol
Concen: 102.09 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion:112 Resp: 1009938
Ion Ratio Lower Upper
112 100
64 59.7 51.3 76.9
63 31.3 26.2 39.4

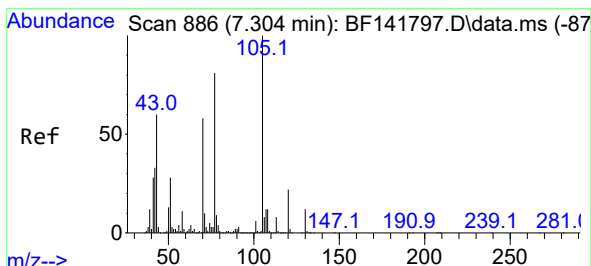
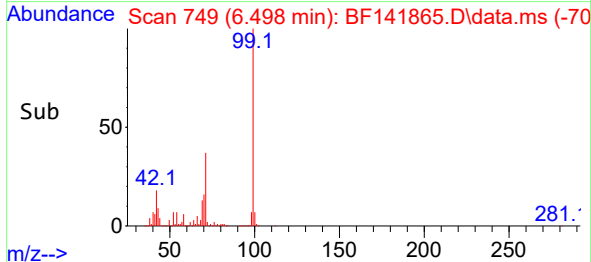
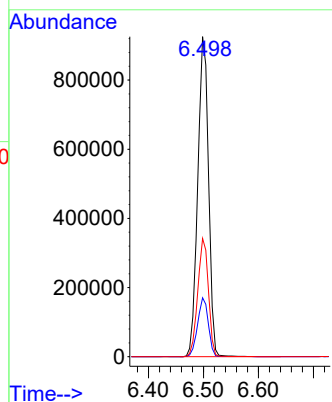
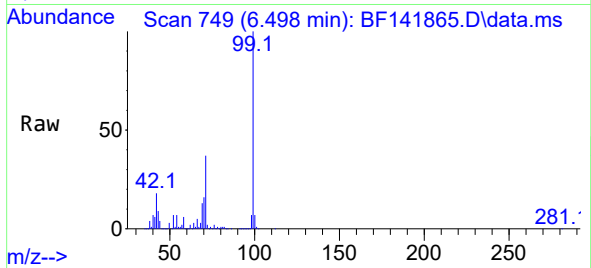




#7
Phenol-d6
Concen: 98.14 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

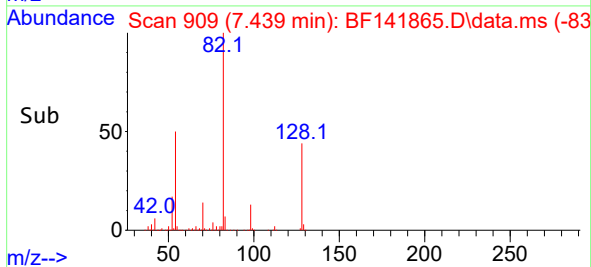
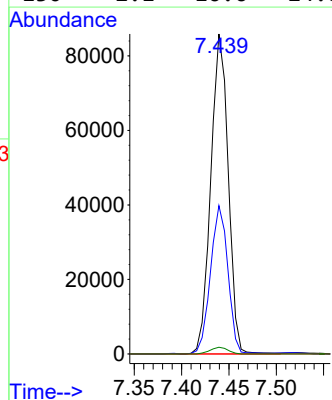
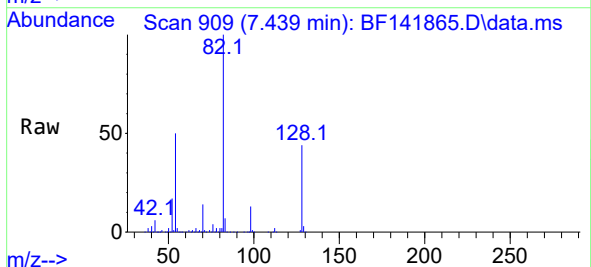
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

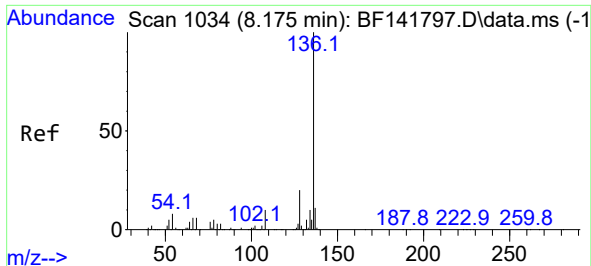
Tgt Ion: 99 Resp: 1263623
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 37.0 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.98 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion: 70 Resp: 109893
Ion Ratio Lower Upper
70 100
42 46.3 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#



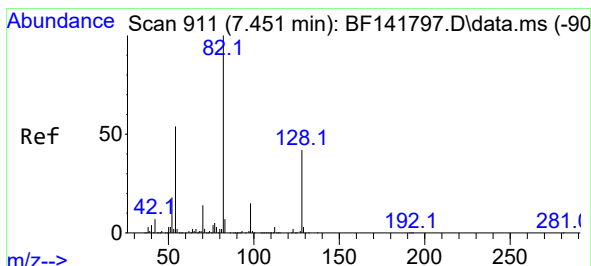
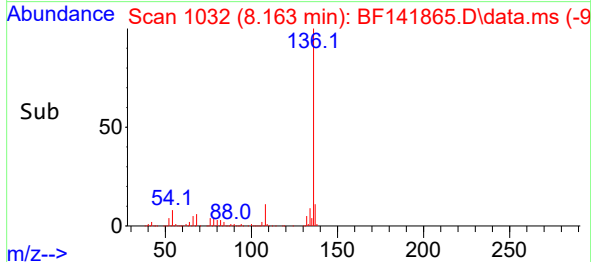
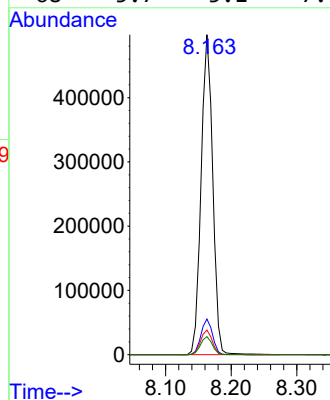
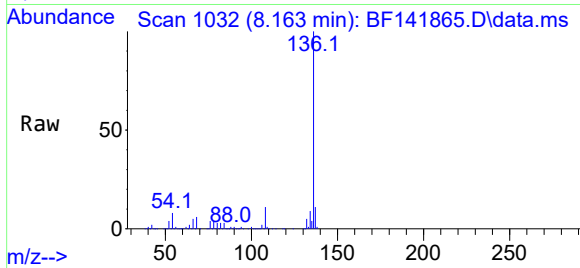


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:136 Resp: 615246

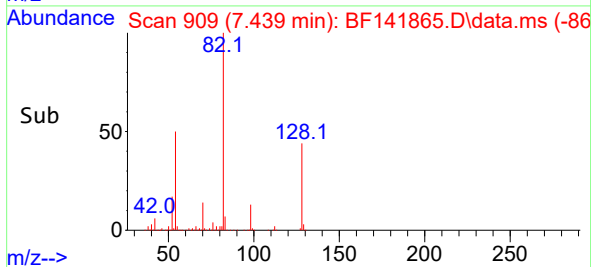
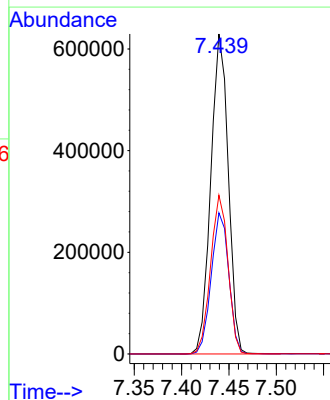
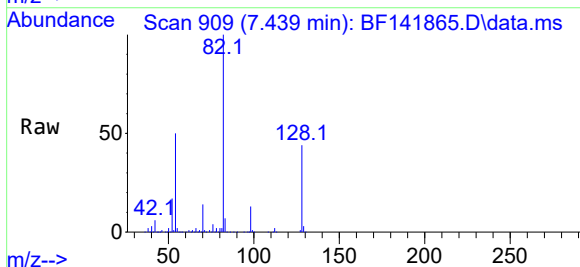
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.7	6.9	10.3
68	5.7	5.1	7.7

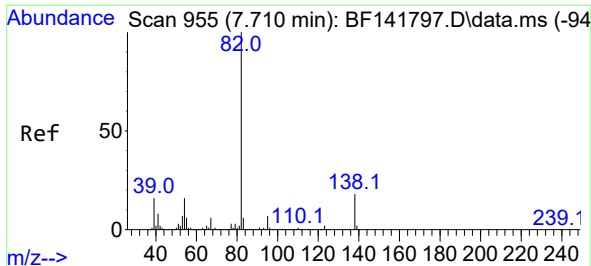


#23
Nitrobenzene-d5
Concen: 83.67 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion: 82 Resp: 805343

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.5	50.3
54	49.6	42.7	64.1

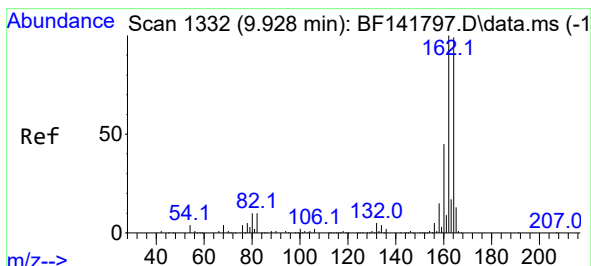
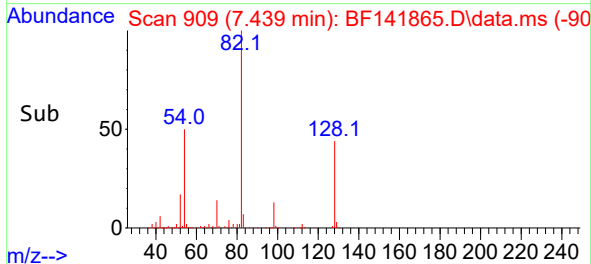
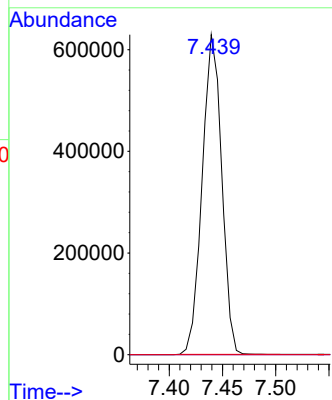
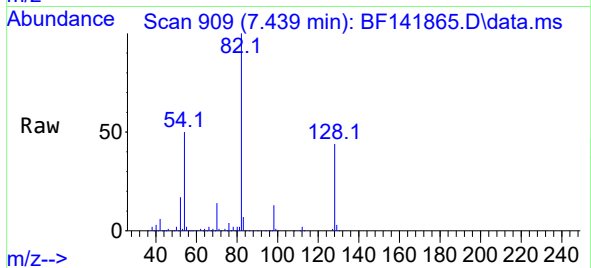




#25
Isophorone
Concen: 38.77 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

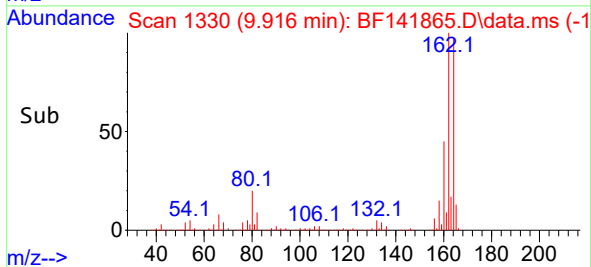
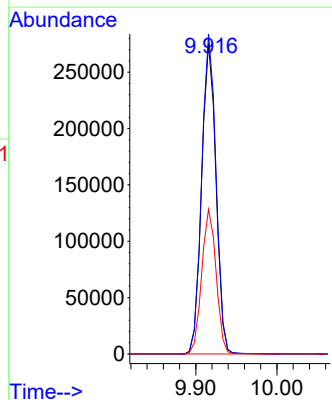
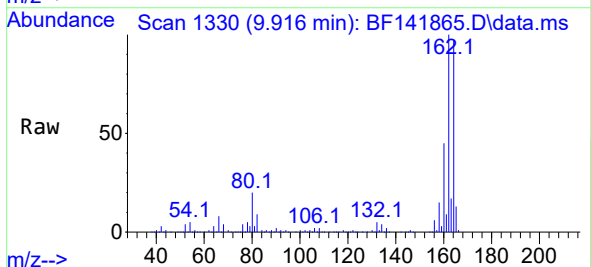
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

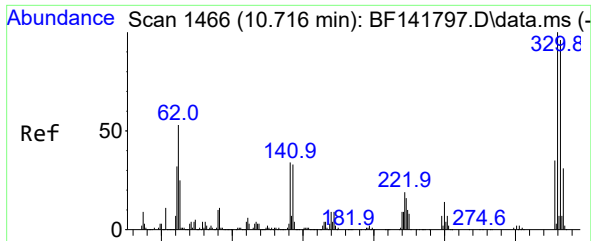
Tgt Ion: 82 Resp: 801612
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

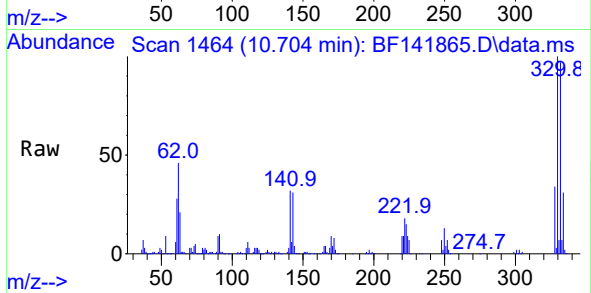
Tgt Ion: 164 Resp: 336755
Ion Ratio Lower Upper
164 100
162 103.1 80.6 120.8
160 46.6 36.3 54.5



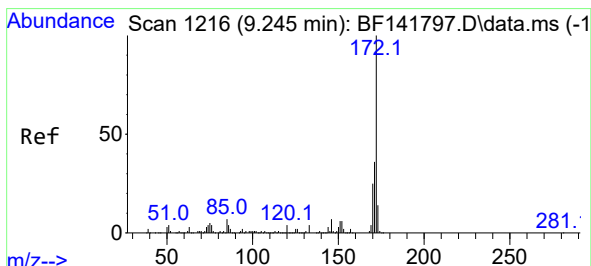
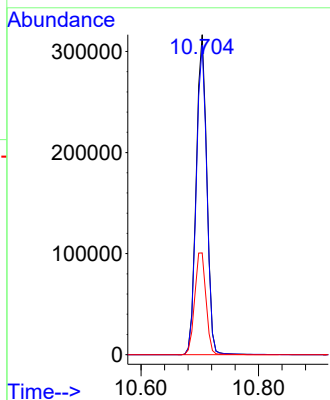
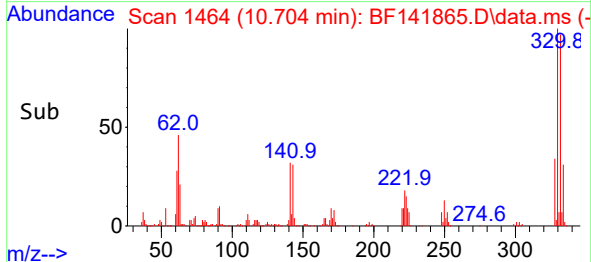


#42
2,4,6-Tribromophenol
Concen: 125.29 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

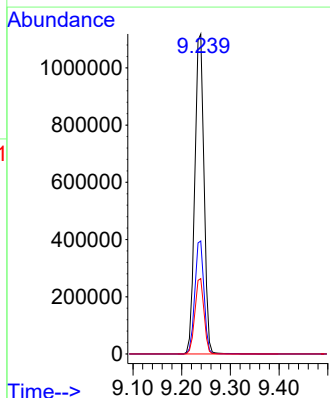
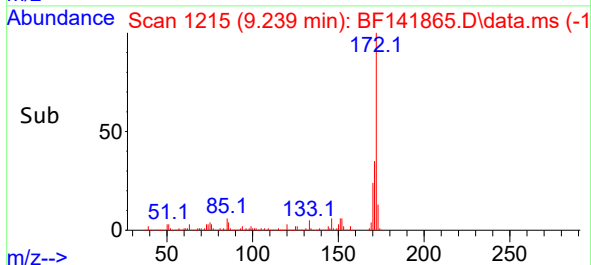
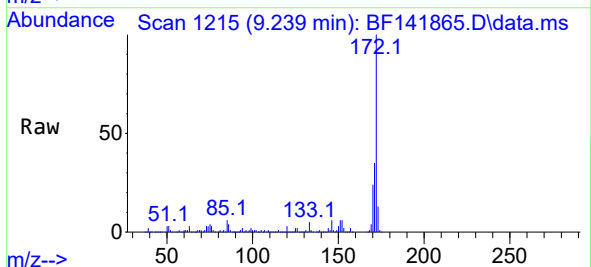


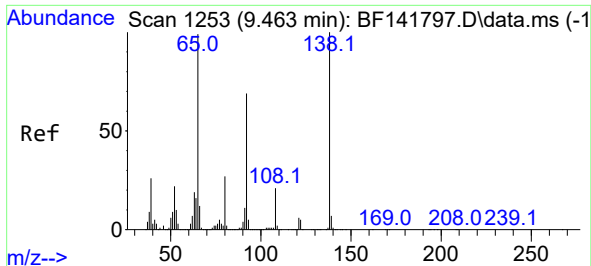
Tgt Ion:330 Resp: 396096
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 33.9 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 70.41 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion:172 Resp: 1478775
Ion Ratio Lower Upper
172 100
171 35.3 29.2 43.8
170 23.6 19.7 29.5

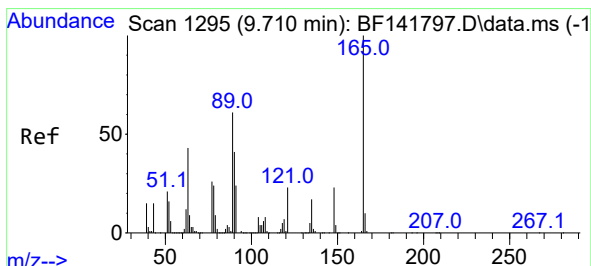
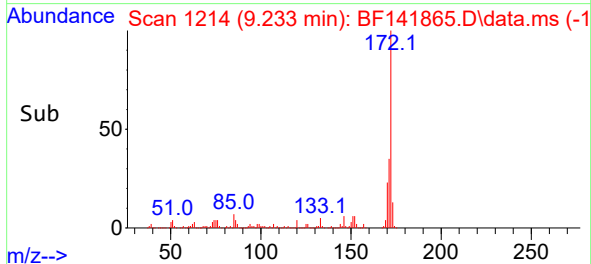
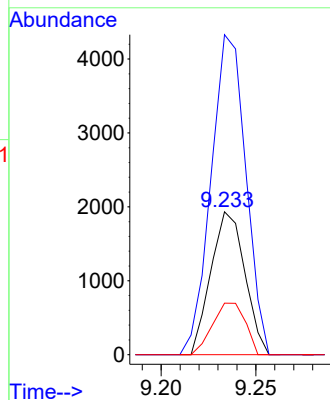
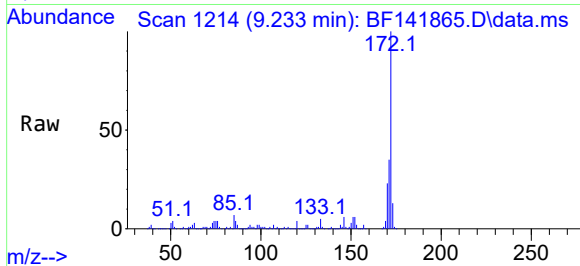




#48
2-Nitroaniline
Concen: 4.76 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

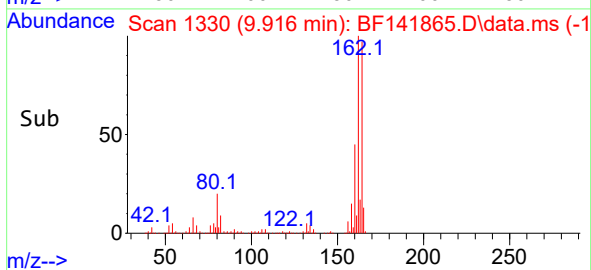
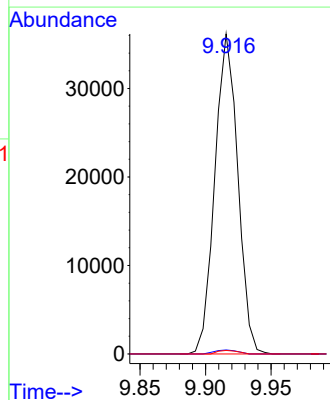
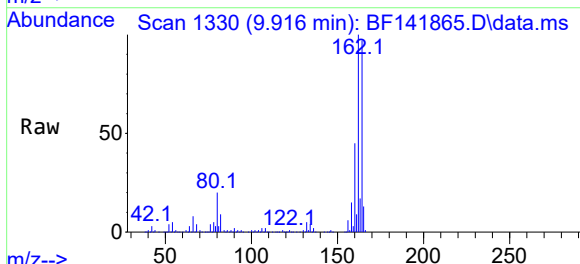
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ENV-101-SB01

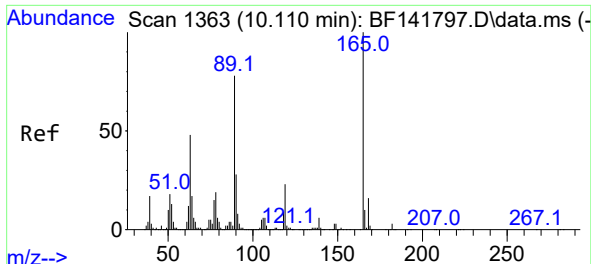
Tgt Ion: 65 Resp: 2412
Ion Ratio Lower Upper
65 100
92 224.0 55.7 83.5#
138 36.1 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.41 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion: 165 Resp: 43932
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.1 49.0 73.4#

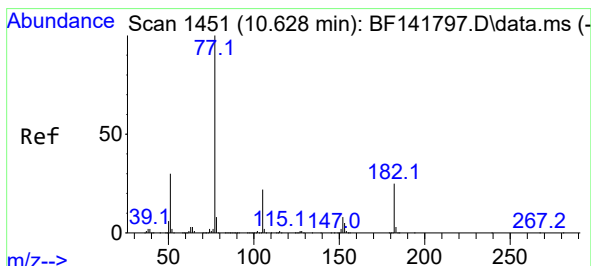
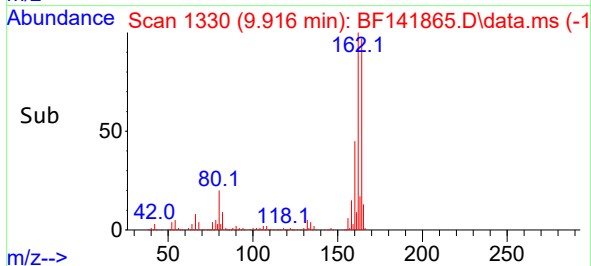
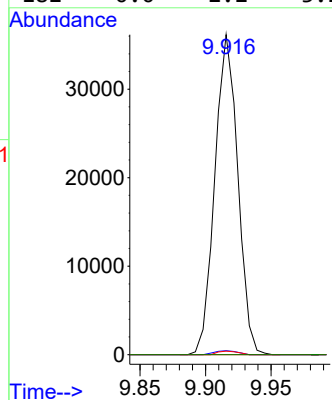
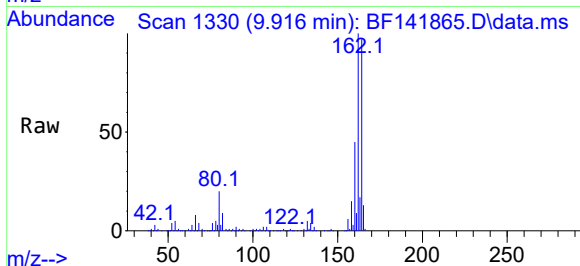




#57
2,4-Dinitrotoluene
Concen: 11.25 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

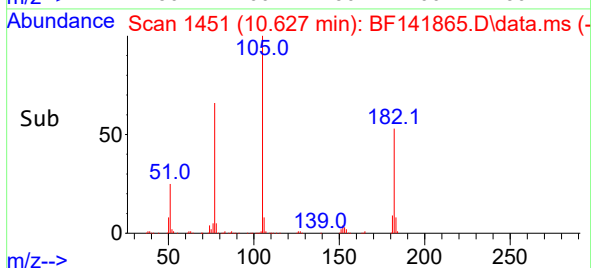
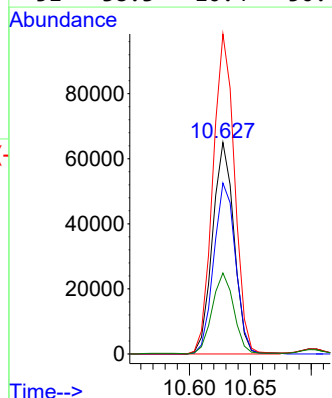
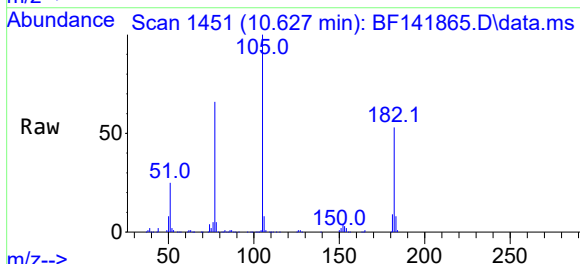
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

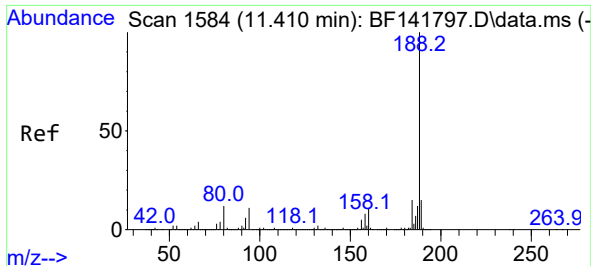
Tgt Ion:165 Resp: 43932
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.1 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.35 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion: 77 Resp: 79704
Ion Ratio Lower Upper
77 100
182 80.8 4.2 44.2#
105 151.3 1.5 41.5#
51 38.3 10.4 50.4

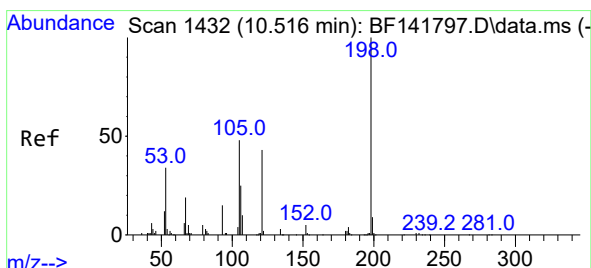
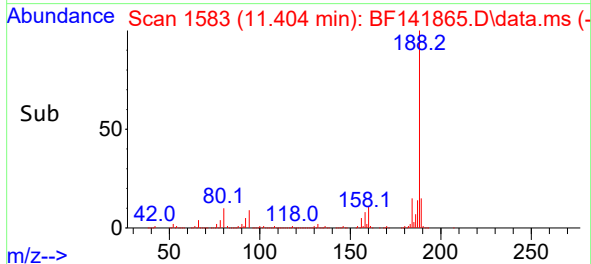
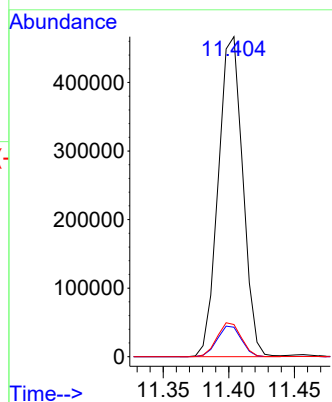
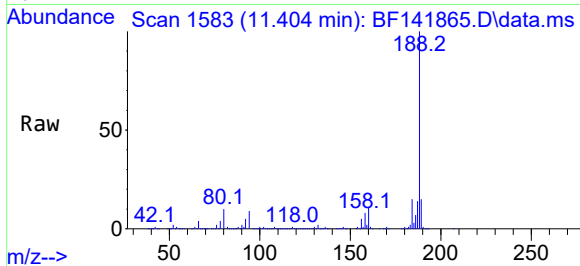




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

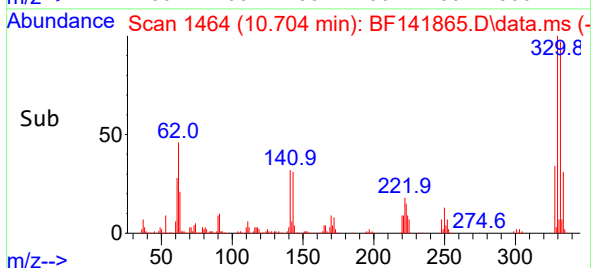
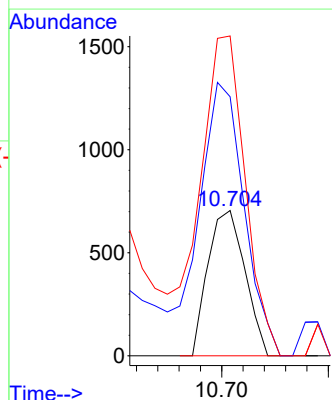
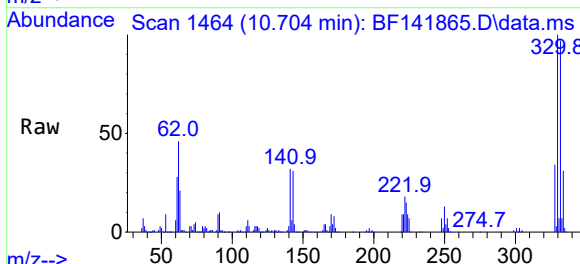
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

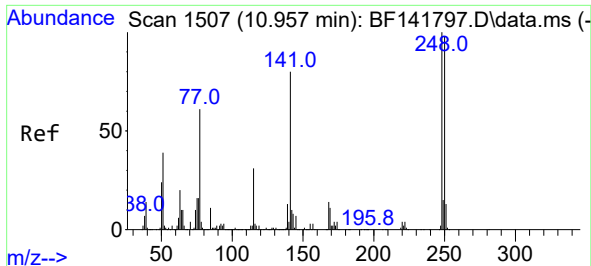
Tgt Ion:188 Resp: 605607
Ion Ratio Lower Upper
188 100
94 9.2 8.9 13.3
80 10.1 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.37 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

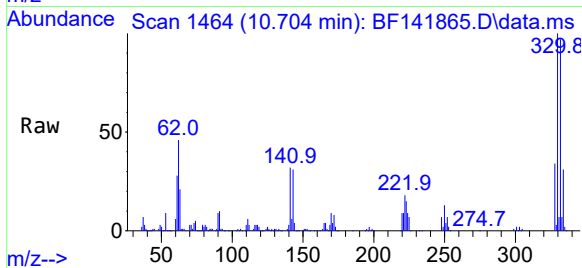
Tgt Ion:198 Resp: 851
Ion Ratio Lower Upper
198 100
51 178.3 32.1 72.1#
105 220.1 28.5 68.5#



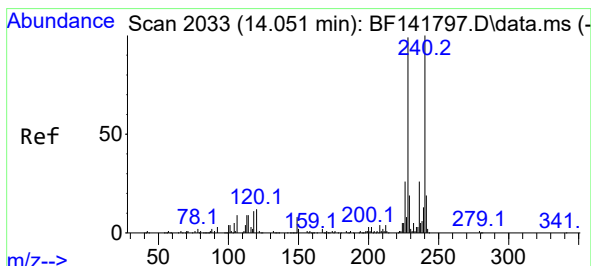
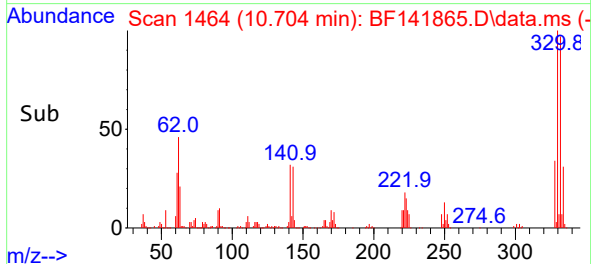
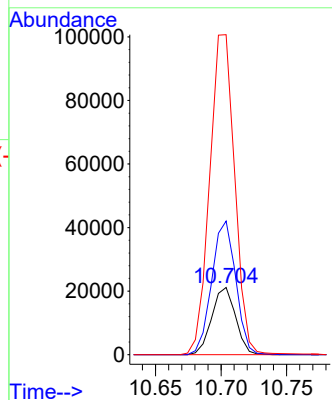


#67
4-Bromophenyl-phenylether
Concen: 3.78 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

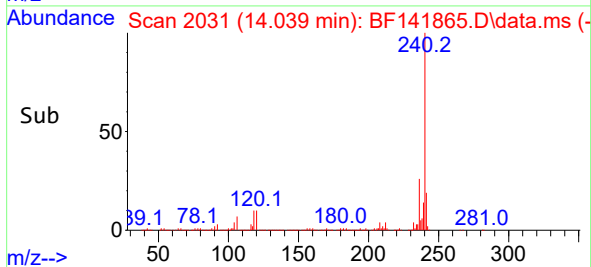
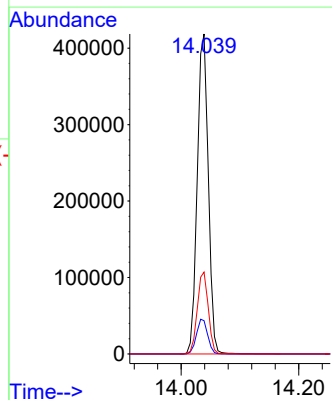
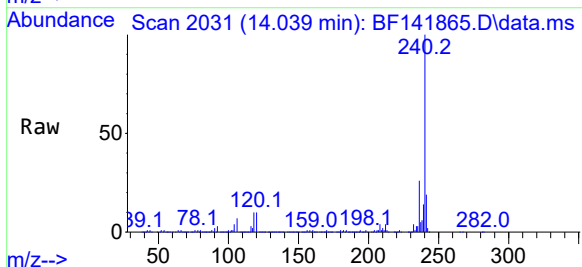


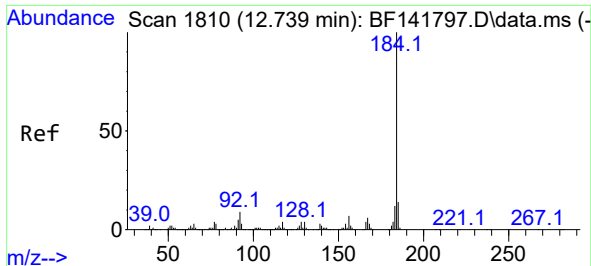
Tgt Ion:248 Resp: 26724
Ion Ratio Lower Upper
248 100
250 198.9 78.1 117.1#
141 476.3 64.3 96.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion:240 Resp: 545094
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 25.6 21.0 31.4

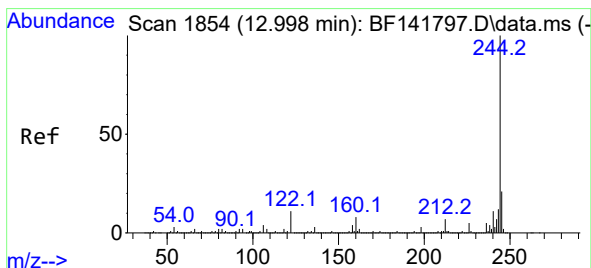
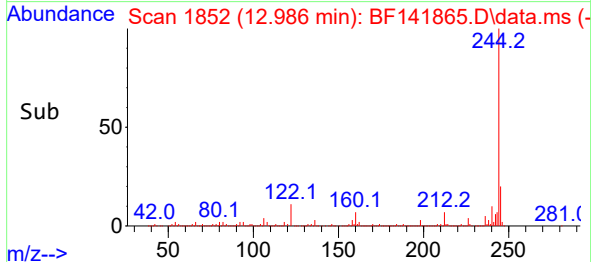
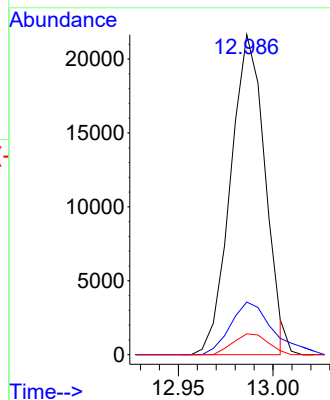
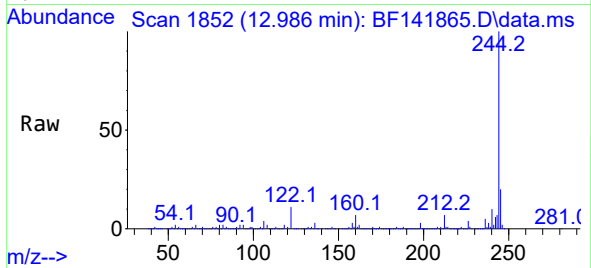




#77
Benzidine
Concen: 3.98 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

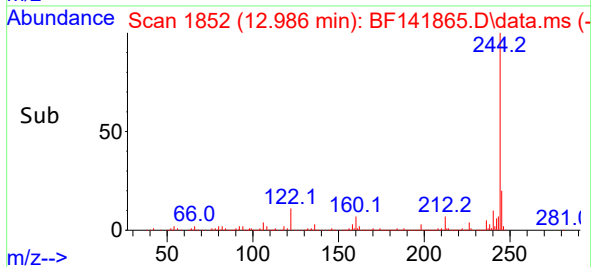
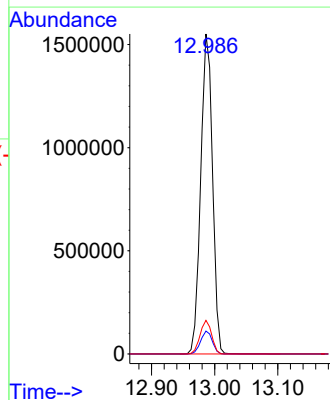
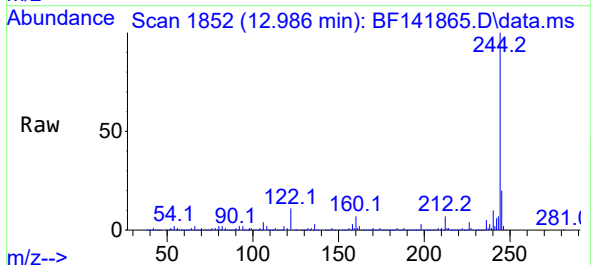
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

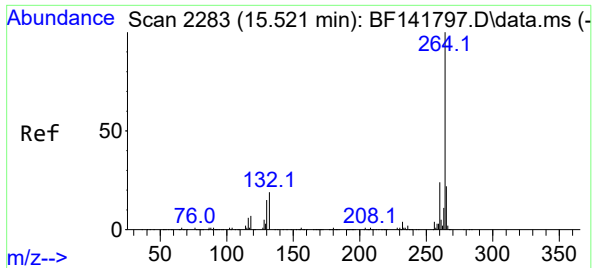
Tgt Ion:184 Resp: 27309
Ion Ratio Lower Upper
184 100
185 16.5 11.6 17.4
183 6.5 9.4 14.0#



#79
Terphenyl-d14
Concen: 59.59 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Tgt Ion:244 Resp: 2007767
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.5 9.0 13.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141865.D
Acq: 06 Mar 2025 13:31

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:264 Resp: 450529
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.5 17.4 26.0

