

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141870.D
 Acq On : 06 Mar 2025 16:00
 Operator : RC/JU
 Sample : Q1488-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-104-GW01

Quant Time: Mar 06 16:30:01 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)

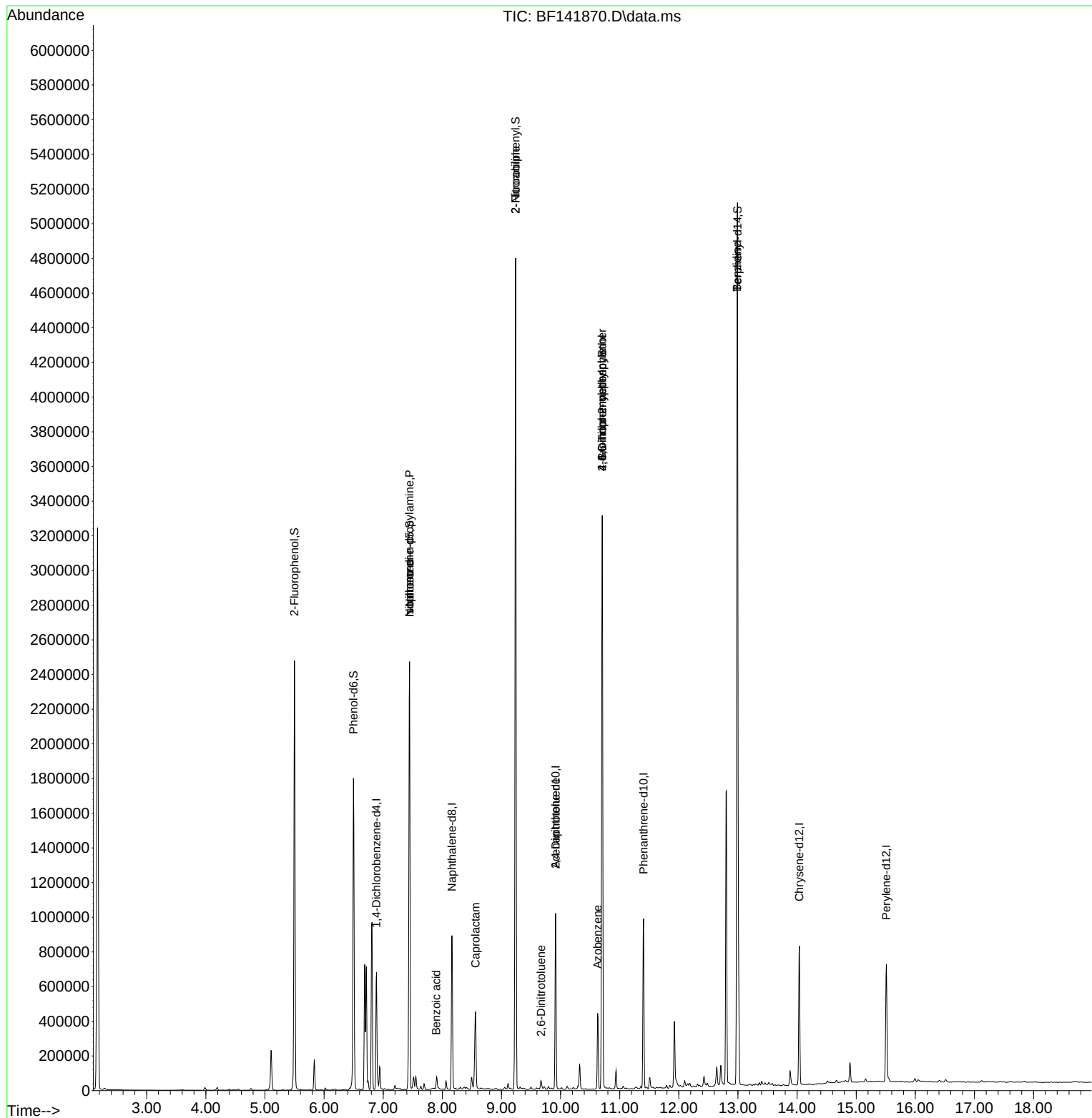
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	140013	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	541385	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	290279	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	493097	20.000	ng	0.00
76) Chrysene-d12	14.039	240	386724	20.000	ng	-0.01
86) Perylene-d12	15.509	264	390388	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	916932	104.585	ng	0.00
7) Phenol-d6	6.498	99	832242	72.931	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1138168	134.381	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	573671	210.507	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2059546	113.765	ng	0.00
79) Terphenyl-d14	12.992	244	2570569	107.544	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	159722	21.292	ng	# 77
25) Isophorone	7.445	82	1133999	62.321	ng	# 66
32) Benzoic acid	7.898	122	8588	8.983	ng	95
35) Caprolactam	8.563	113	79297	33.405	ng	# 86
48) 2-Nitroaniline	9.239	65	3785	5.110	ng	# 1
51) 2,6-Dinitrotoluene	9.669	165	1637	3.243	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	37275	11.129	ng	# 20
63) Azobenzene	10.627	77	113192	5.516	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1407	8.629	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	37751	6.554	ng	# 1
77) Benzidine	12.986	184	36776	7.555	ng	# 84

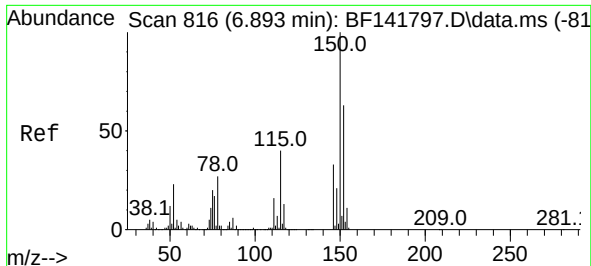
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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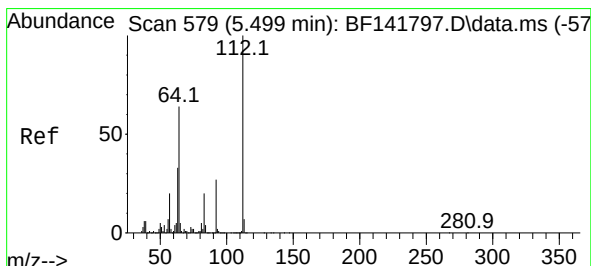
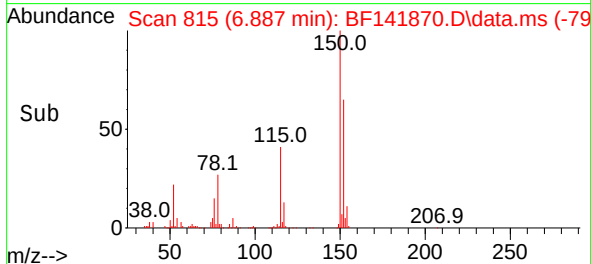
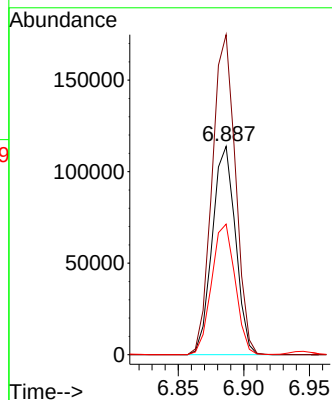
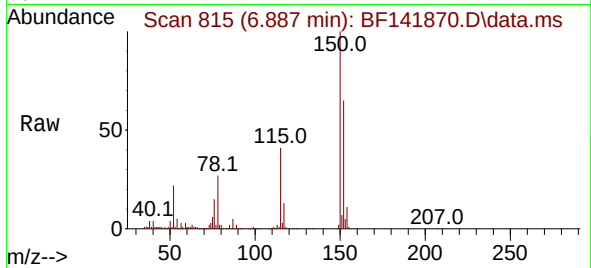




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

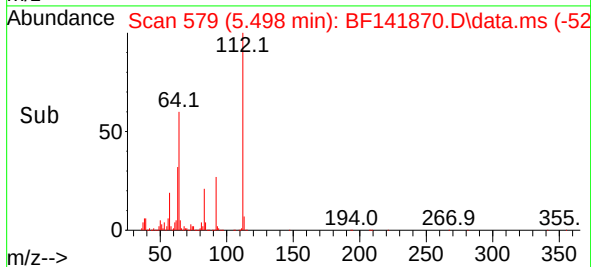
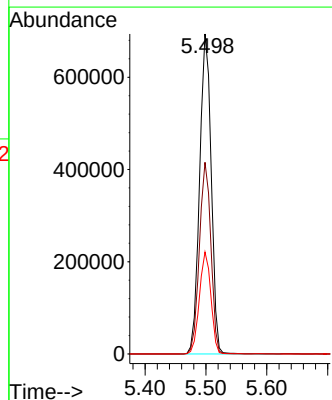
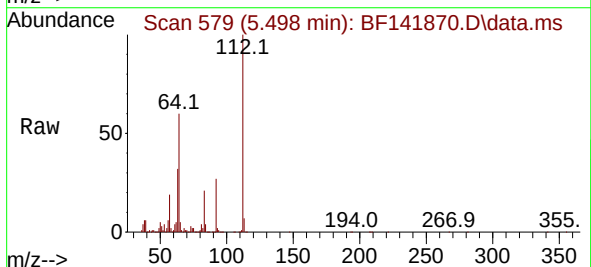
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

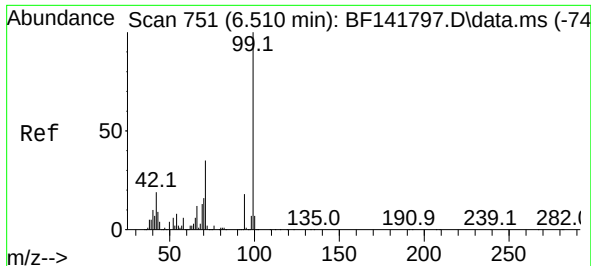
Tgt Ion:152 Resp: 140013
Ion Ratio Lower Upper
152 100
150 153.6 127.5 191.3
115 62.7 51.4 77.2



#5
2-Fluorophenol
Concen: 104.585 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion:112 Resp: 916932
Ion Ratio Lower Upper
112 100
64 59.9 51.3 76.9
63 31.8 26.2 39.4

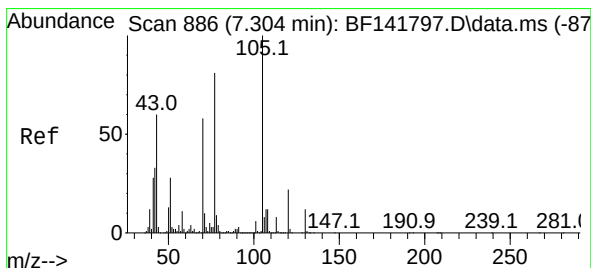
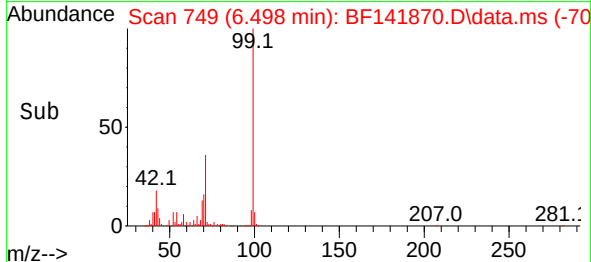
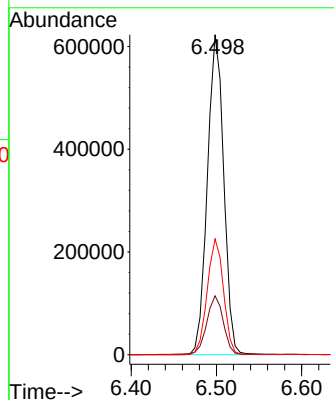
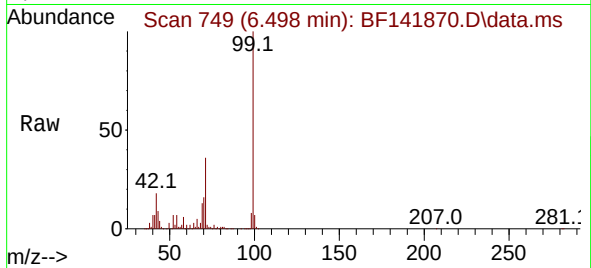




#7
Phenol-d6
Concen: 72.931 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

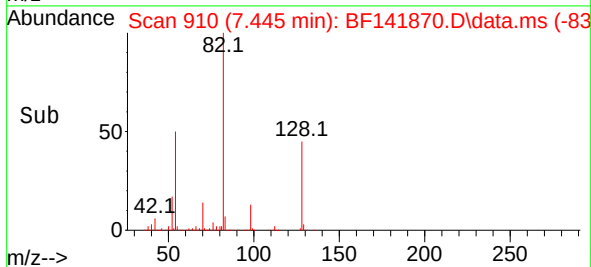
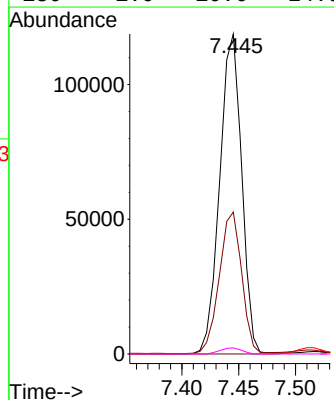
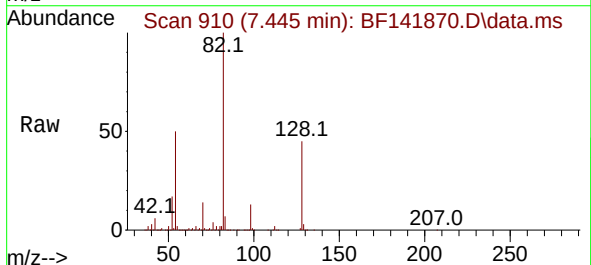
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

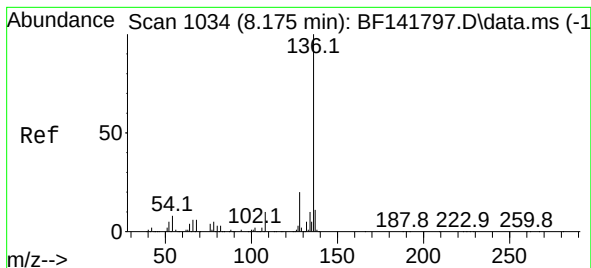
Tgt Ion: 99 Resp: 832242
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 36.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.292 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion: 70 Resp: 159722
Ion Ratio Lower Upper
70 100
42 44.4 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: BF141870.D

Acq: 06 Mar 2025 16:00

Instrument :

BNA_F

ClientSampleId :

ENV-104-GW01

Tgt Ion:136 Resp: 541385

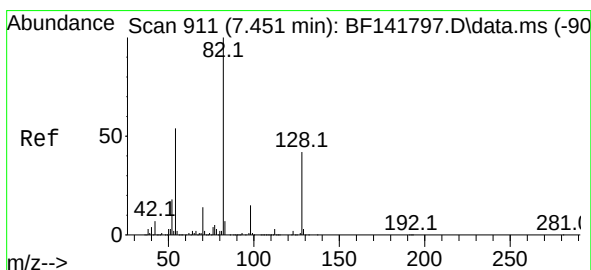
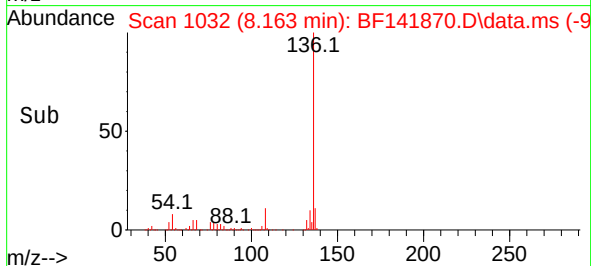
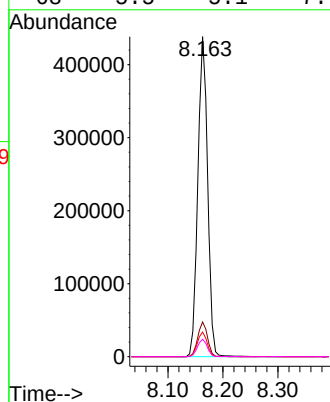
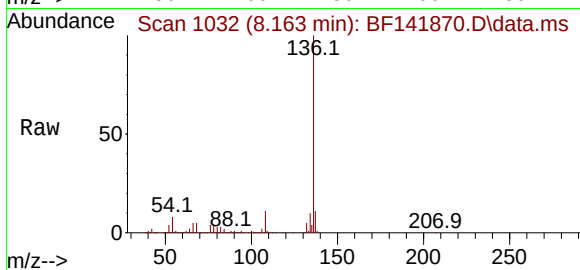
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.7 6.9 10.3

68 5.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 134.381 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

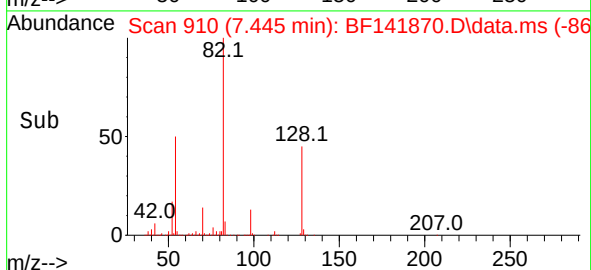
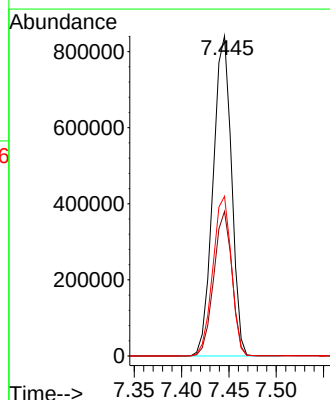
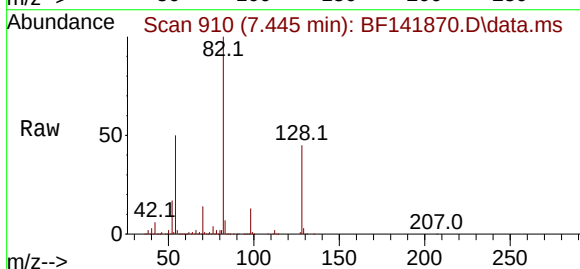
Tgt Ion: 82 Resp: 1138168

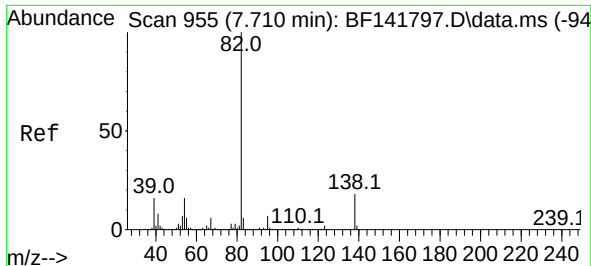
Ion Ratio Lower Upper

82 100

128 45.1 33.5 50.3

54 49.9 42.7 64.1

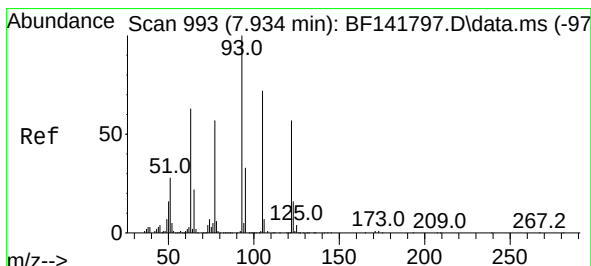
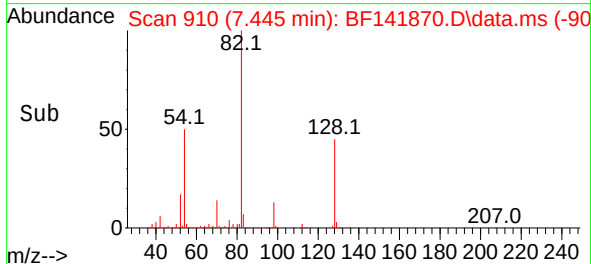
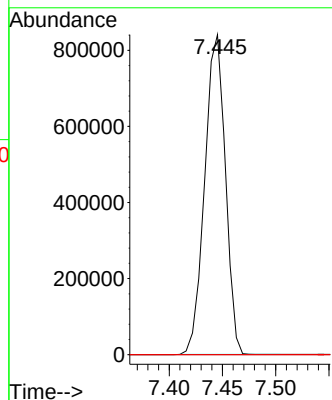
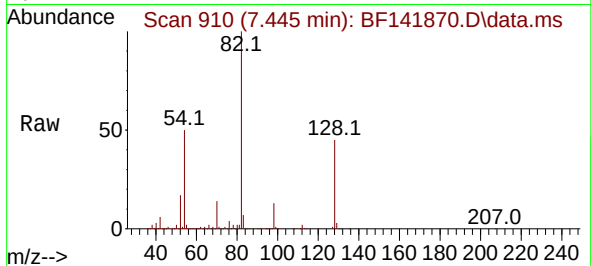




#25
Isophorone
Concen: 62.321 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

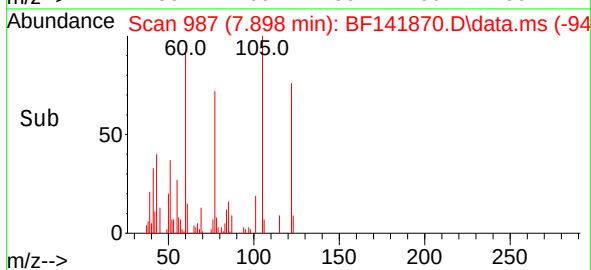
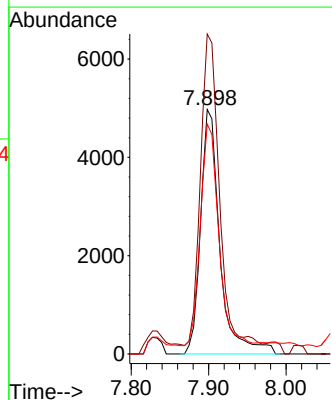
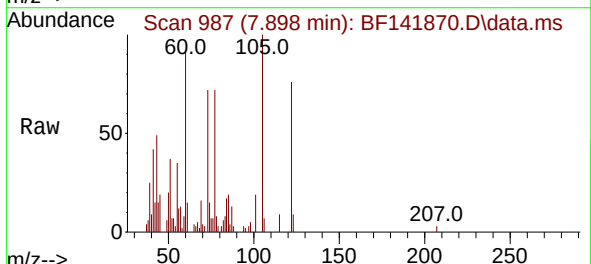
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

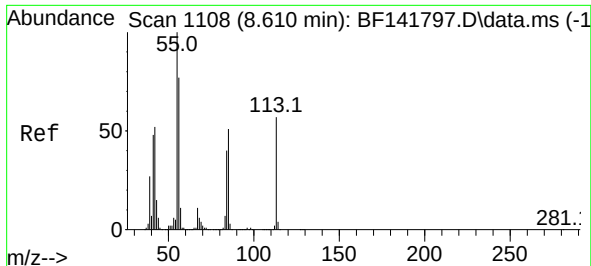
Tgt Ion: 82 Resp: 1133999
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 8.983 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion:122 Resp: 8588
Ion Ratio Lower Upper
122 100
105 130.8 105.8 145.8
77 94.0 79.9 119.9





#35

Caprolactam

Concen: 33.405 ng

RT: 8.563 min Scan# 1100

Delta R.T. -0.047 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

Instrument :

BNA_F

ClientSampleId :

ENV-104-GW01

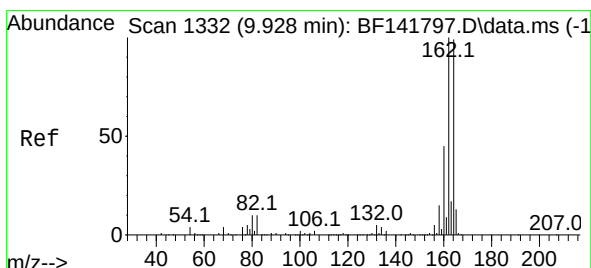
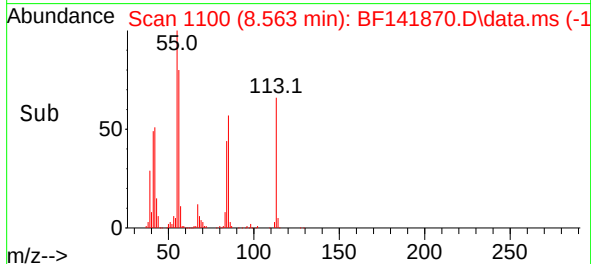
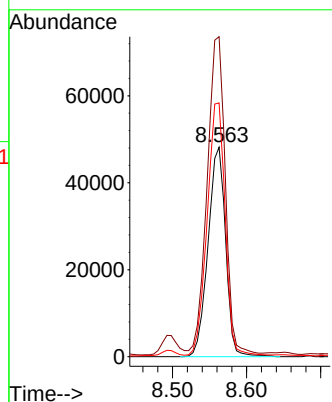
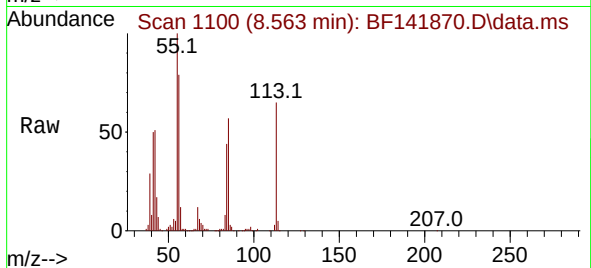
Tgt Ion:113 Resp: 79297

Ion Ratio Lower Upper

113 100

55 152.8 155.6 195.6#

56 121.2 114.6 154.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

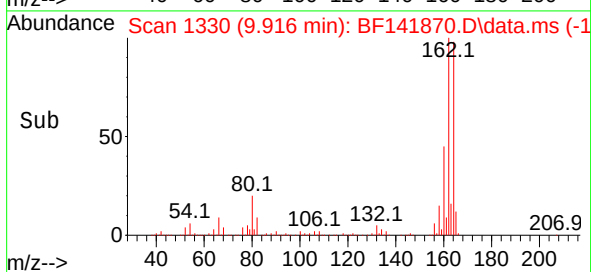
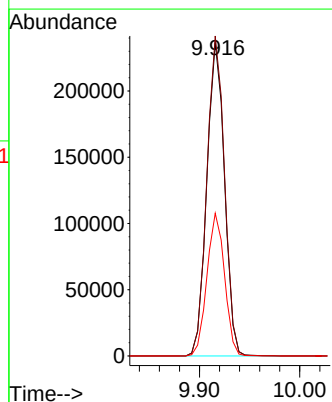
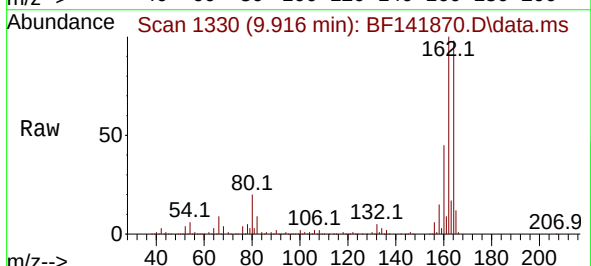
Tgt Ion:164 Resp: 290279

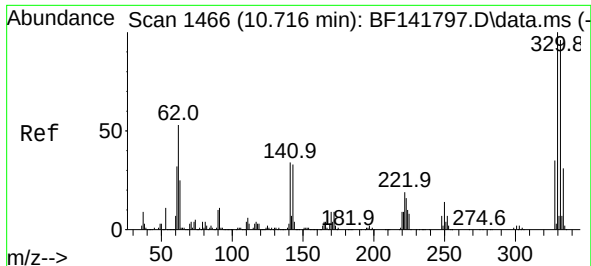
Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

160 45.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 210.507 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

Instrument :

BNA_F

ClientSampleId :

ENV-104-GW01

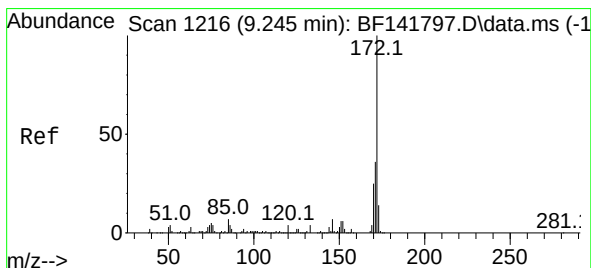
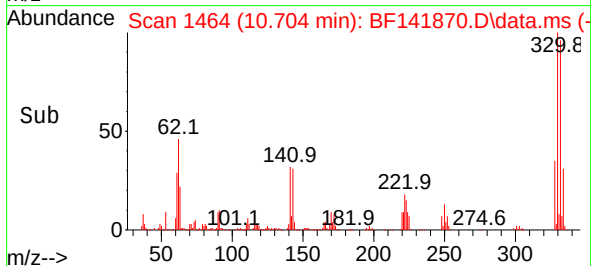
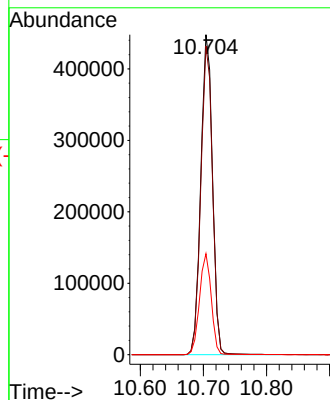
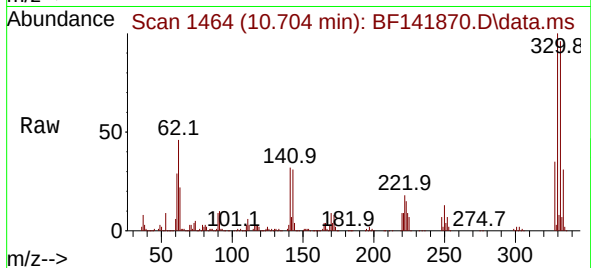
Tgt Ion:330 Resp: 573671

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 31.7 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 113.765 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

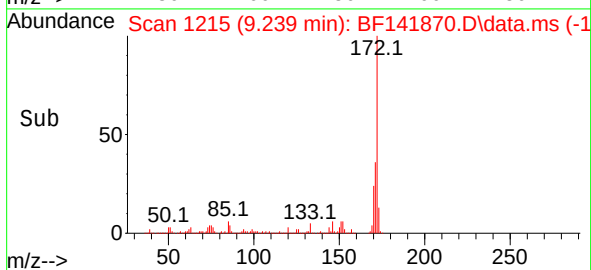
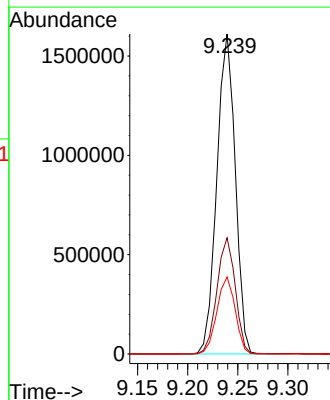
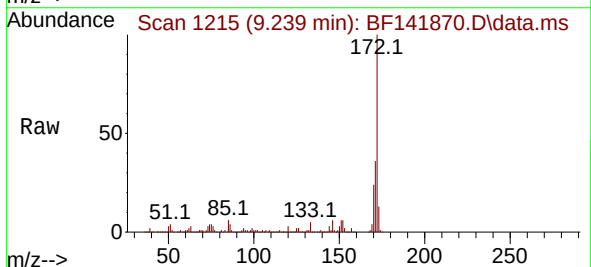
Tgt Ion:172 Resp: 2059546

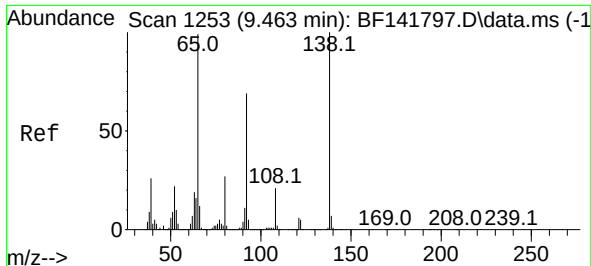
Ion Ratio Lower Upper

172 100

171 36.3 29.2 43.8

170 24.0 19.7 29.5





#48

2-Nitroaniline

Concen: 5.110 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

Instrument :

BNA_F

ClientSampleId :

ENV-104-GW01

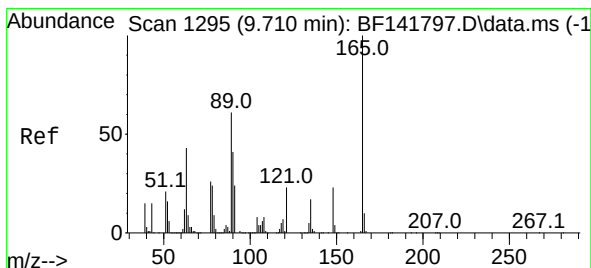
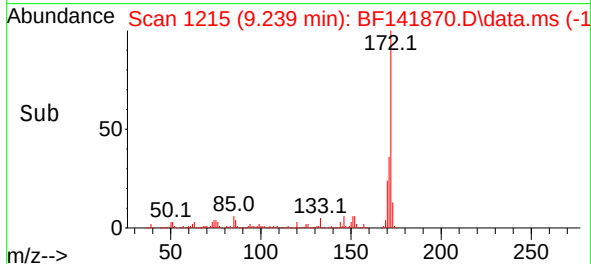
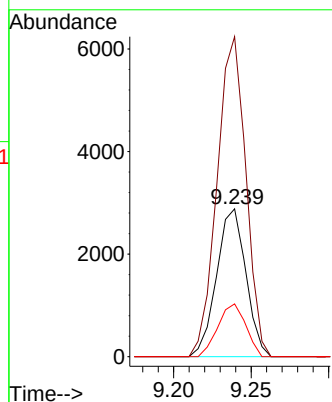
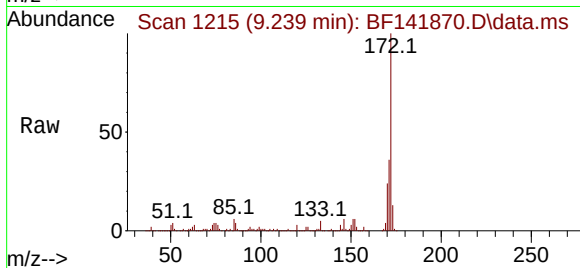
Tgt Ion: 65 Resp: 3785

Ion Ratio Lower Upper

65 100

92 216.4 55.7 83.5#

138 35.7 80.6 121.0#



#51

2,6-Dinitrotoluene

Concen: 3.243 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.041 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

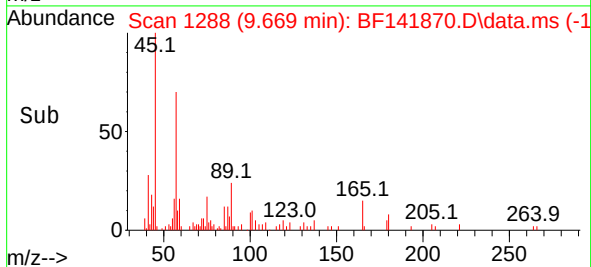
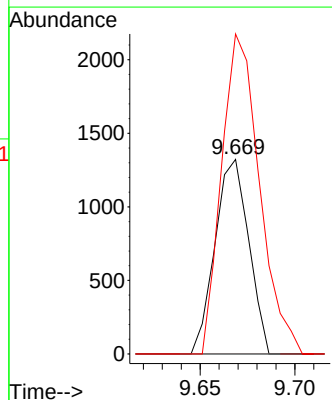
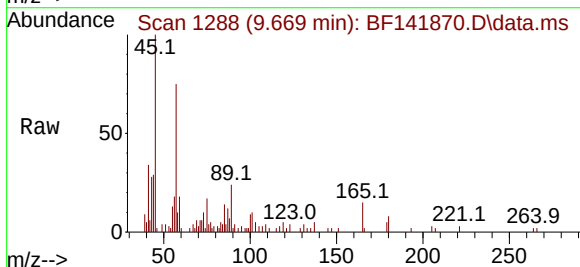
Tgt Ion:165 Resp: 1637

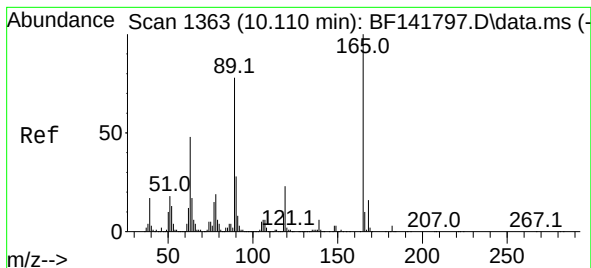
Ion Ratio Lower Upper

165 100

63 0.0 49.5 74.3#

89 164.4 49.0 73.4#

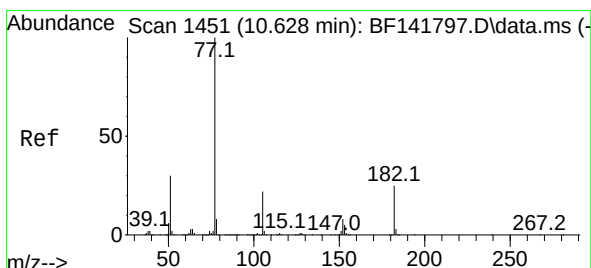
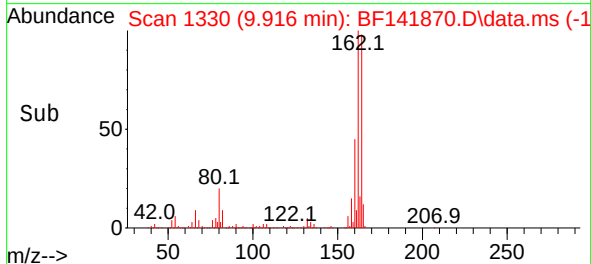
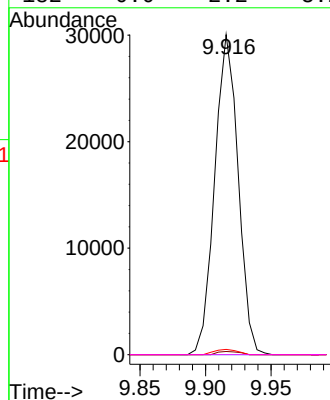
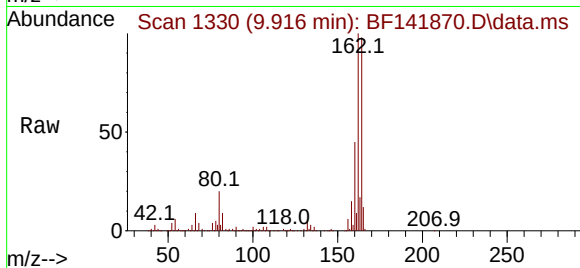




#57
2,4-Dinitrotoluene
Concen: 11.129 ng
RT: 9.916 min Scan# 1411
Delta R.T. -0.194 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

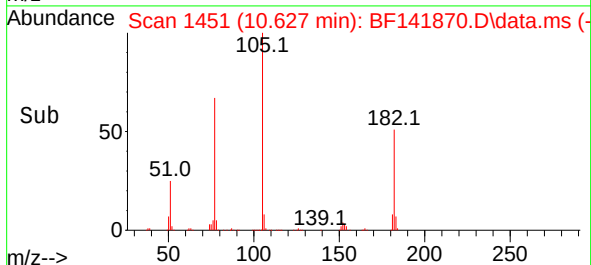
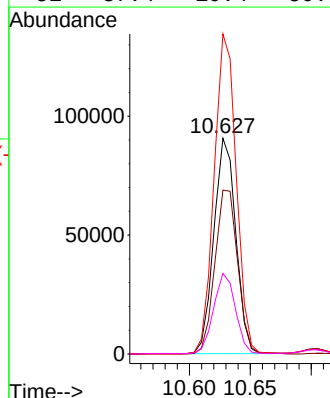
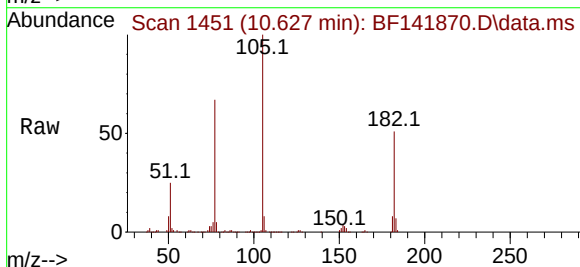
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

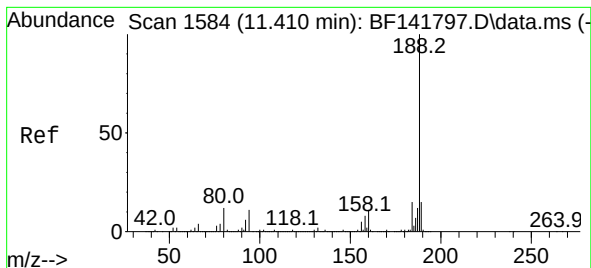
Tgt Ion:165 Resp: 37275
Ion Ratio Lower Upper
165 100
63 1.0 38.8 58.2#
89 1.7 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.516 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion: 77 Resp: 113192
Ion Ratio Lower Upper
77 100
182 76.0 4.2 44.2#
105 148.4 1.5 41.5#
51 37.4 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

Instrument :

BNA_F

ClientSampleId :

ENV-104-GW01

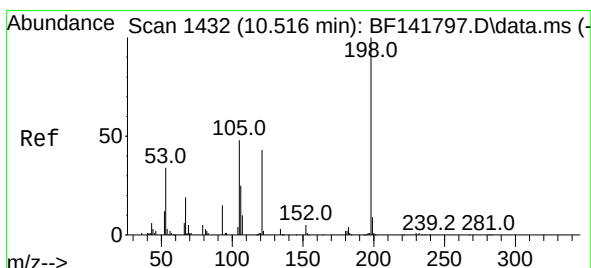
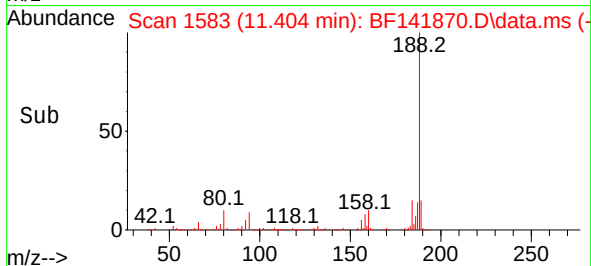
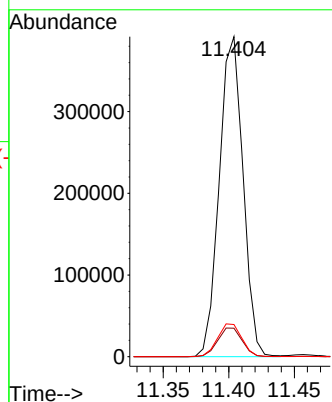
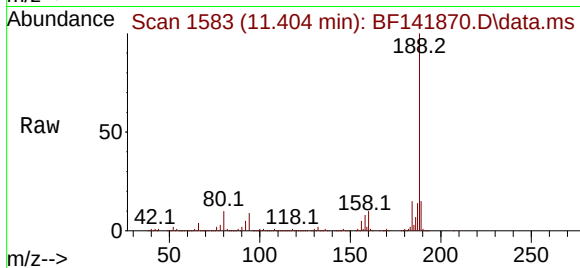
Tgt Ion:188 Resp: 493097

Ion Ratio Lower Upper

188 100

94 8.9 8.9 13.3

80 10.1 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.629 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141870.D

Acq: 06 Mar 2025 16:00

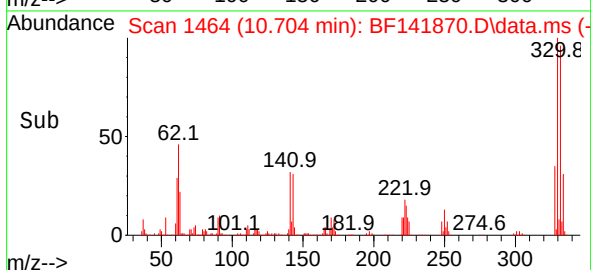
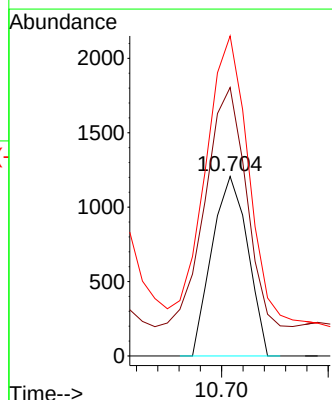
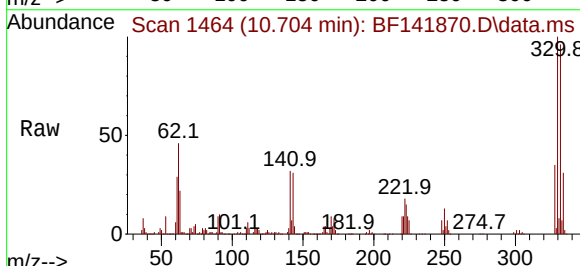
Tgt Ion:198 Resp: 1407

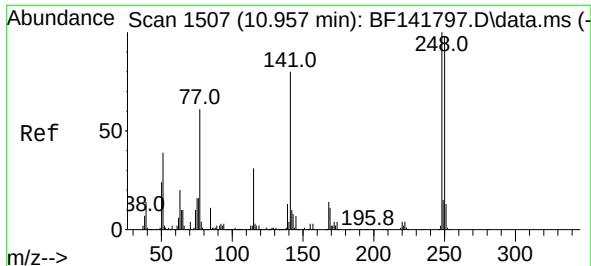
Ion Ratio Lower Upper

198 100

51 149.6 32.1 72.1#

105 178.3 28.5 68.5#

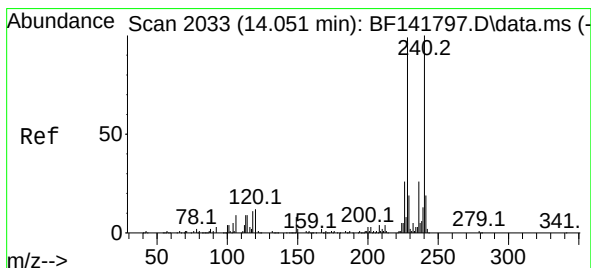
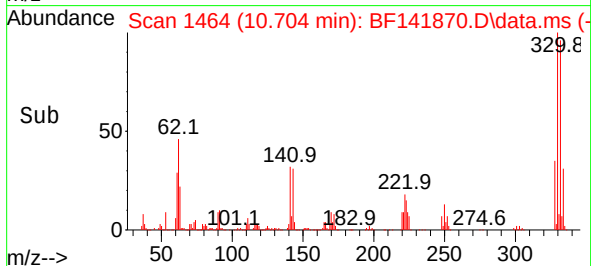
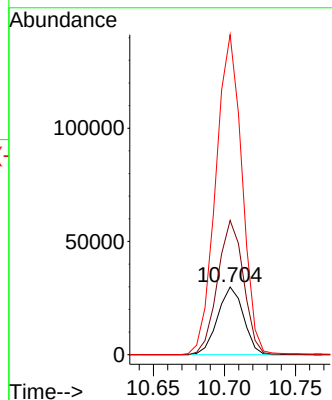
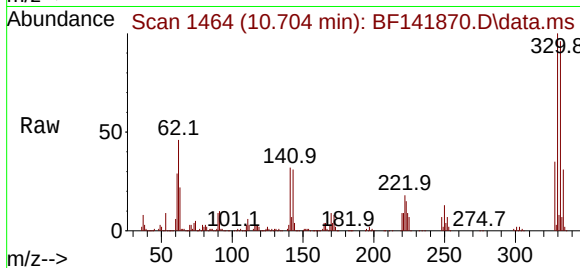




#67
4-Bromophenyl-phenylether
Concen: 6.554 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

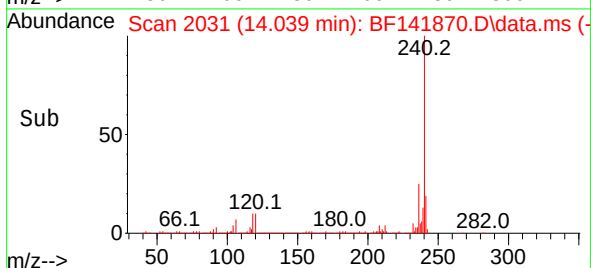
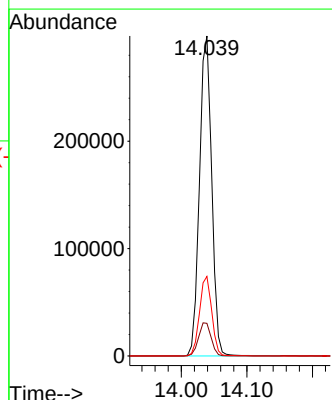
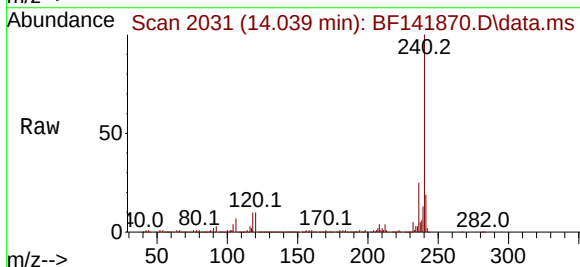
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

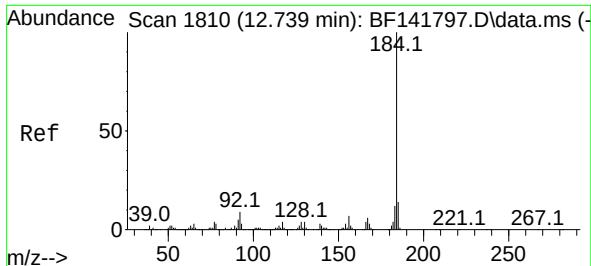
Tgt Ion:248 Resp: 37751
Ion Ratio Lower Upper
248 100
250 198.2 78.1 117.1#
141 472.3 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion:240 Resp: 386724
Ion Ratio Lower Upper
240 100
120 10.2 9.7 14.5
236 24.8 21.0 31.4

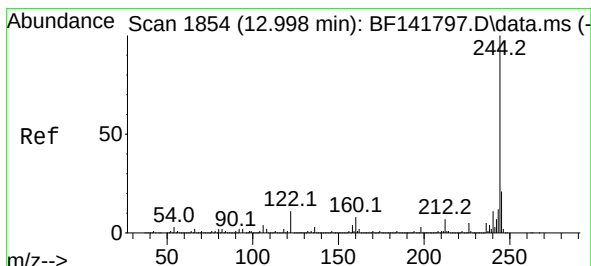
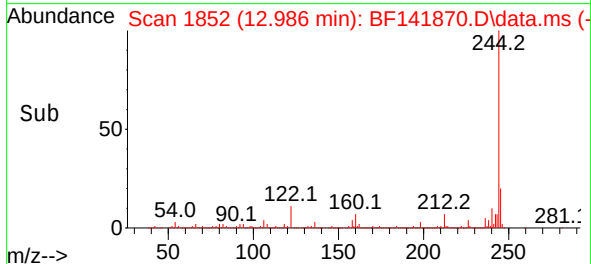
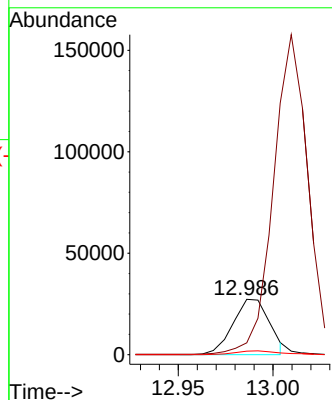
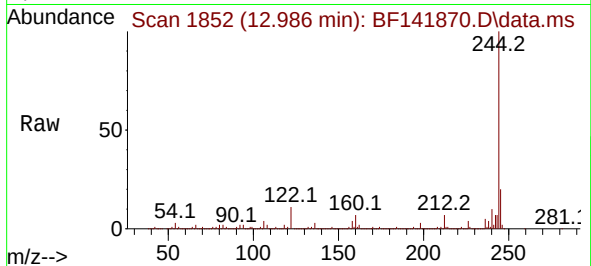




#77
Benzidine
Concen: 7.555 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

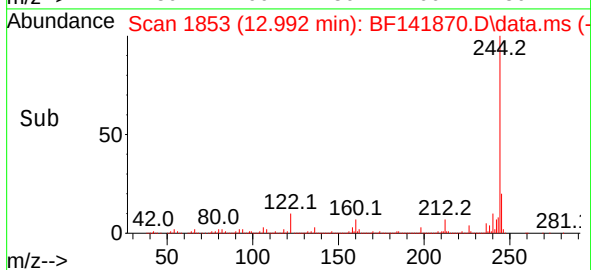
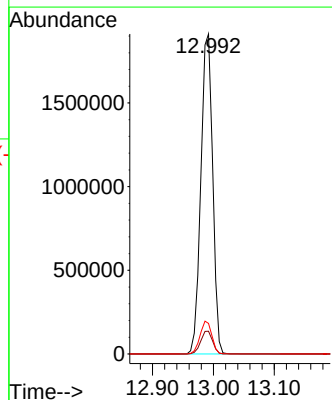
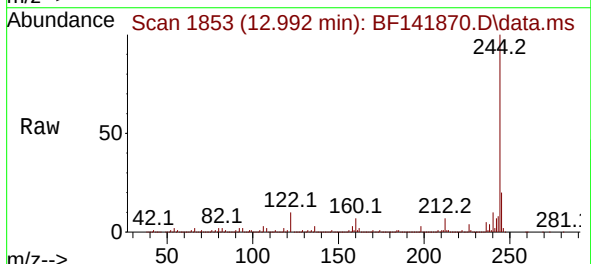
Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

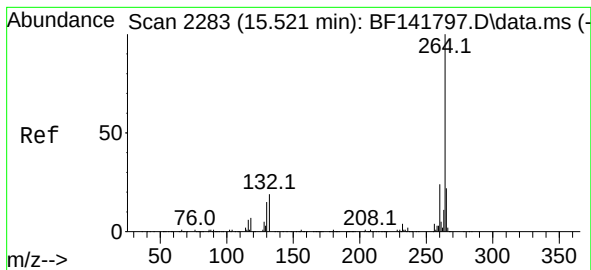
Tgt Ion:184 Resp: 36776
Ion Ratio Lower Upper
184 100
185 21.4 11.6 17.4#
183 6.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 107.544 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141870.D
Acq: 06 Mar 2025 16:00

Tgt Ion:244 Resp: 2570569
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.5 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: BF141870.D
Acq: 06 Mar 2025 16:00

Instrument :
BNA_F
ClientSampleId :
ENV-104-GW01

Tgt Ion:264 Resp: 390388
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.3 17.4 26.0

