

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141871.D
 Acq On : 06 Mar 2025 16:29
 Operator : RC/JU
 Sample : Q1488-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-102-GW01

Quant Time: Mar 06 16:56:25 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)

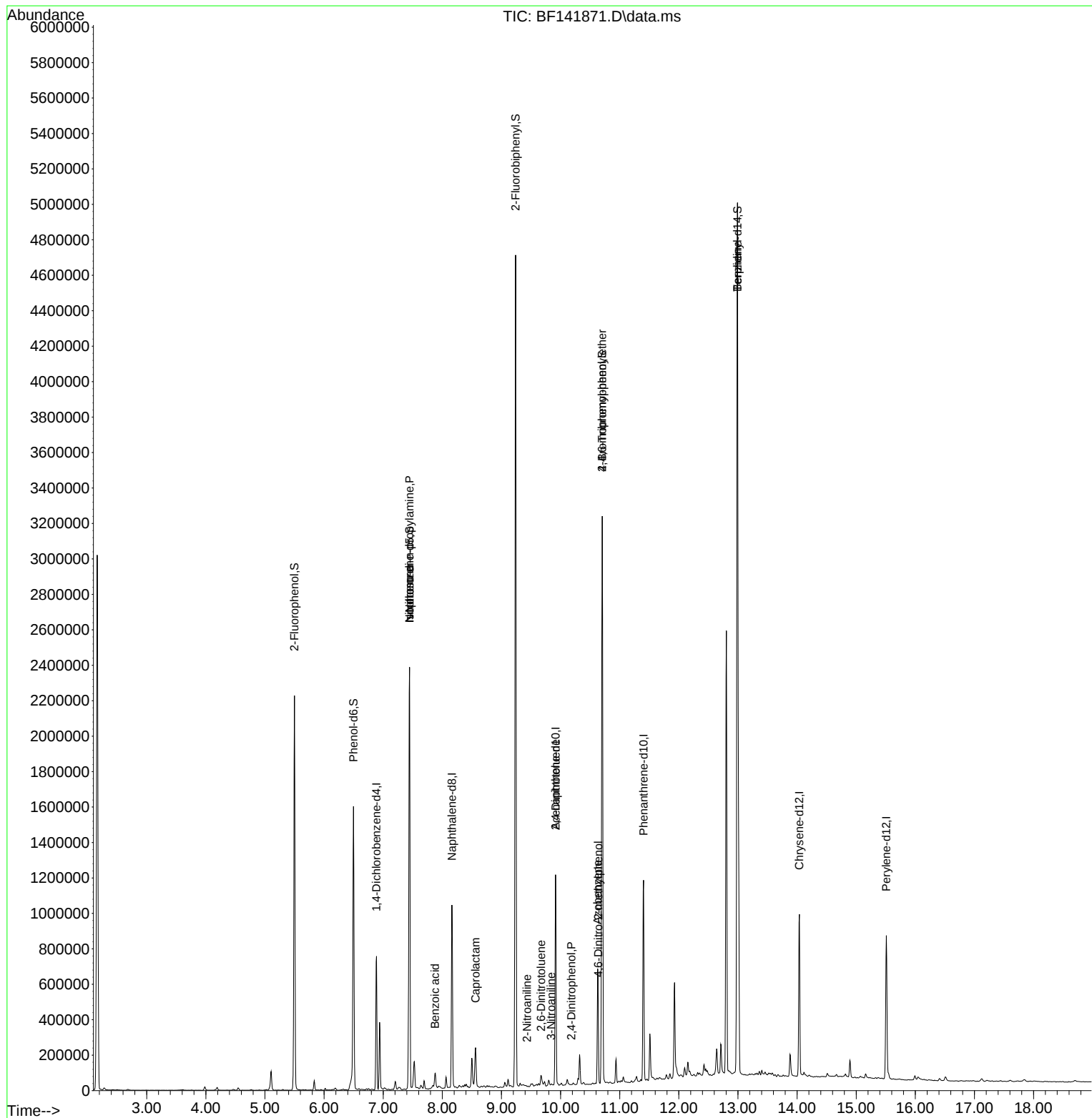
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	157960	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	631847	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	343111	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	586477	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	448542	20.000	ng	-0.01
86) Perylene-d12	15.510	264	460671	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	817936	82.694	ng	0.00
7) Phenol-d6	6.498	99	708314	55.018	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1104750	111.761	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	561334	174.263	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2021701	94.479	ng	0.00
79) Terphenyl-d14	12.992	244	2430546	87.671	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	153717	18.163	ng	# 78
25) Isophorone	7.445	82	1099652	51.781	ng	# 66
32) Benzoic acid	7.875	122	4739	8.302	ng	95
35) Caprolactam	8.563	113	37378	13.492	ng	93
48) 2-Nitroaniline	9.433	65	829	4.482	ng	# 6
51) 2,6-Dinitrotoluene	9.669	165	2492	3.362	ng	# 1
53) 3-Nitroaniline	9.839	138	261	3.019	ng	# 1
54) 2,4-Dinitrophenol	10.181	184	56	5.822	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	44548	11.213	ng	# 21
63) Azobenzene	10.628	77	164667	6.789	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	343	8.229	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	36900	5.387	ng	# 1
77) Benzidine	12.992	184	34358	6.086	ng	# 1

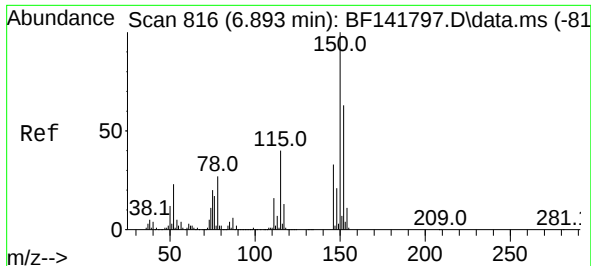
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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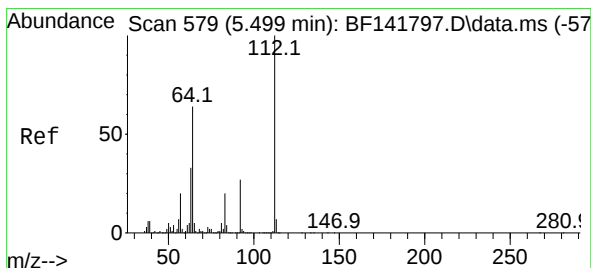
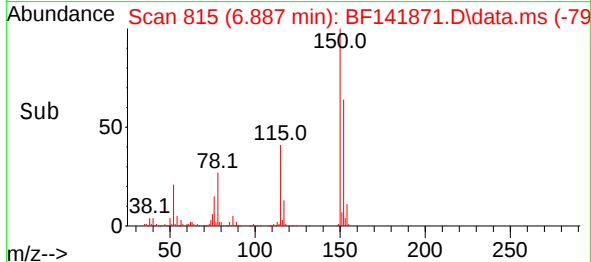
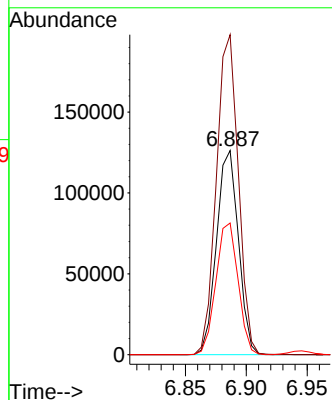
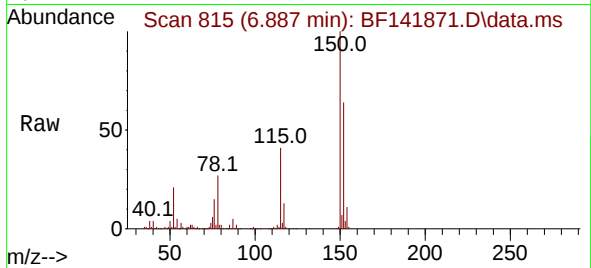




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141871.D
 Acq: 06 Mar 2025 16:29

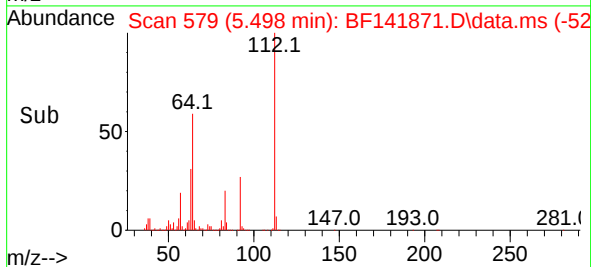
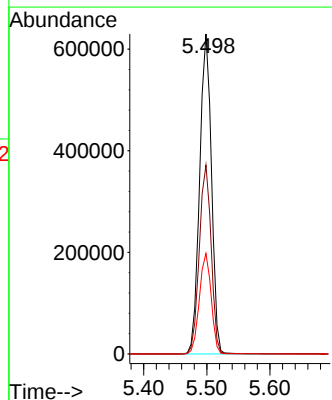
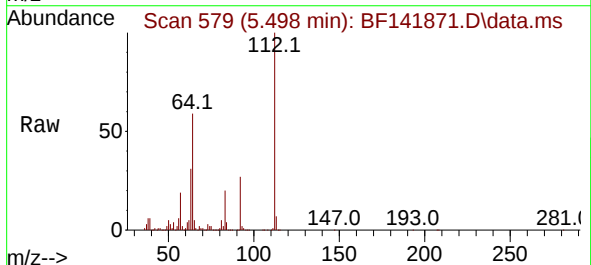
Instrument :
 BNA_F
 ClientSampleId :
 ENV-102-GW01

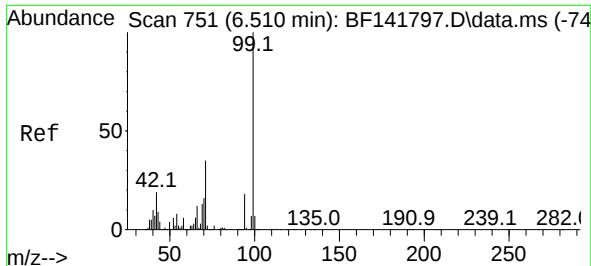
Tgt Ion:152 Resp: 157960
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.5 191.3
 115 64.5 51.4 77.2



#5
 2-Fluorophenol
 Concen: 82.694 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141871.D
 Acq: 06 Mar 2025 16:29

Tgt Ion:112 Resp: 817936
 Ion Ratio Lower Upper
 112 100
 64 59.0 51.3 76.9
 63 31.4 26.2 39.4

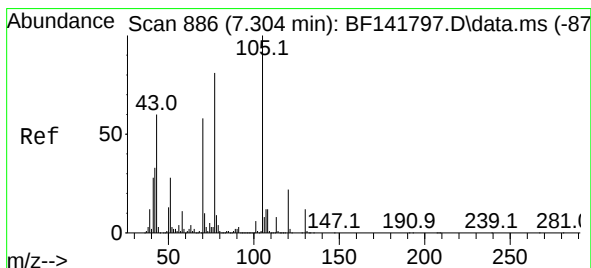
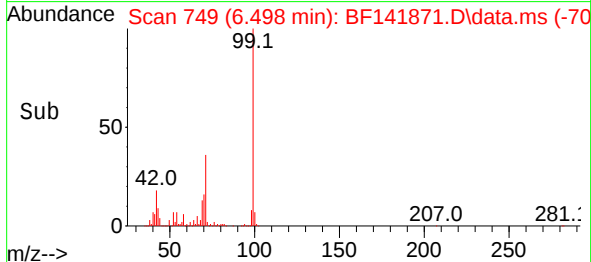
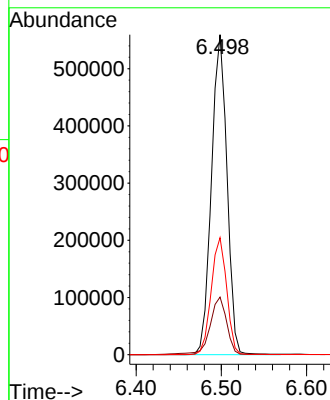
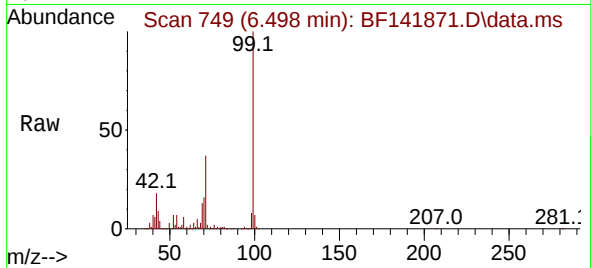




#7
Phenol-d6
Concen: 55.018 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

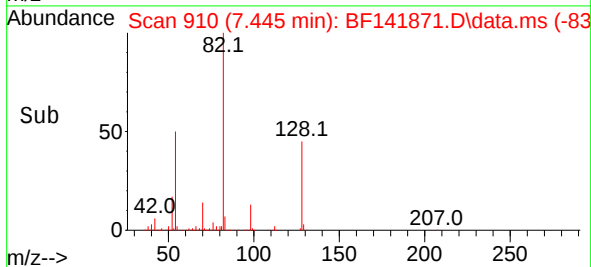
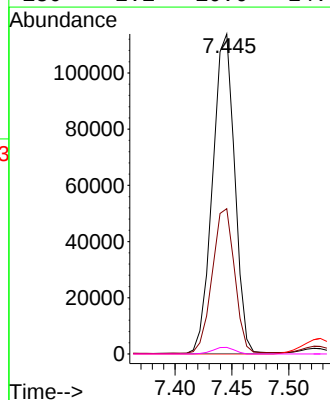
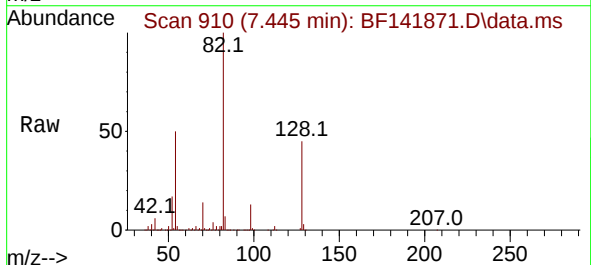
Instrument :
BNA_F
ClientSampleId :
ENV-102-GW01

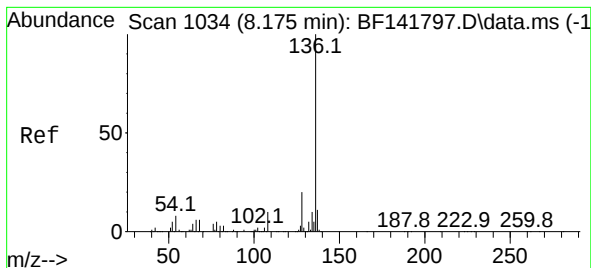
Tgt Ion: 99 Resp: 708314
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 36.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.163 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

Tgt Ion: 70 Resp: 153717
Ion Ratio Lower Upper
70 100
42 45.4 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: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

Tgt Ion:136 Resp: 631847

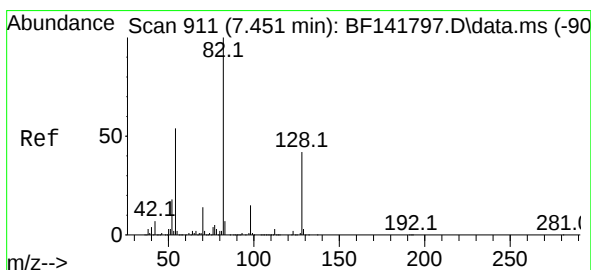
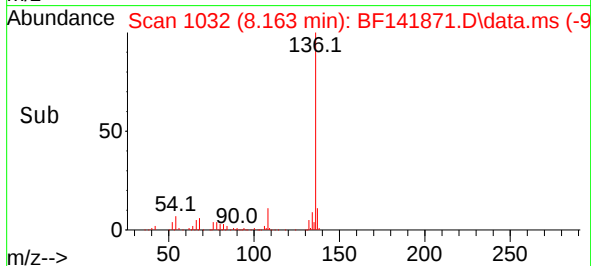
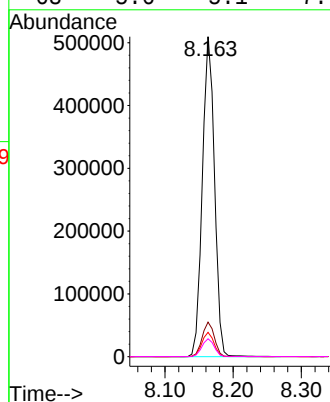
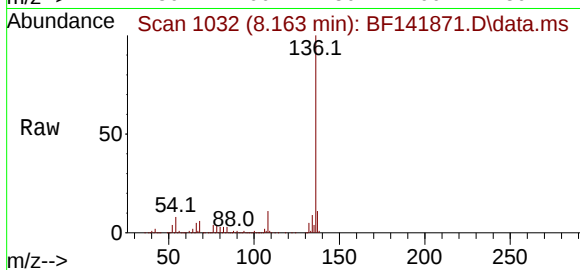
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.6 6.9 10.3

68 5.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 111.761 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

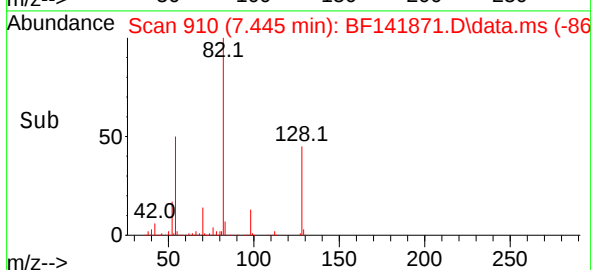
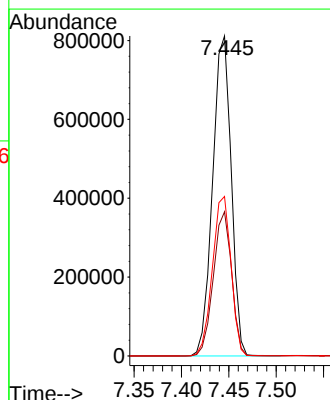
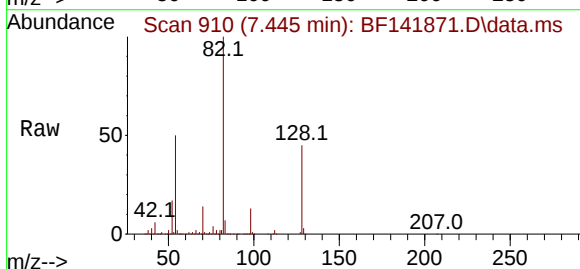
Tgt Ion: 82 Resp: 1104750

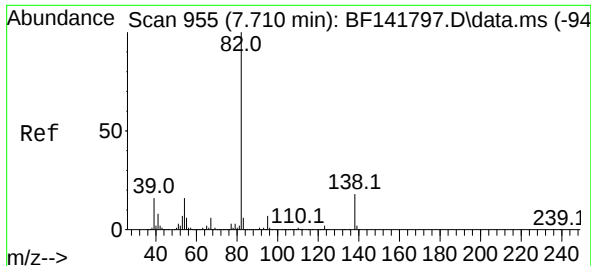
Ion Ratio Lower Upper

82 100

128 45.1 33.5 50.3

54 49.8 42.7 64.1

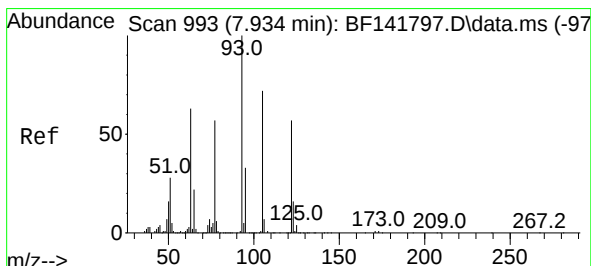
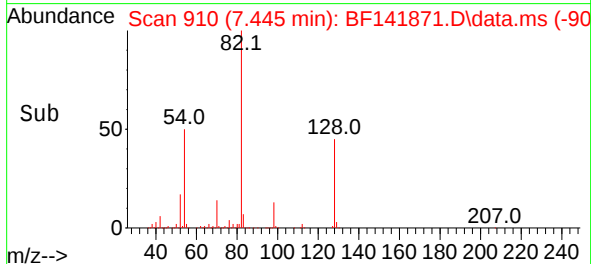
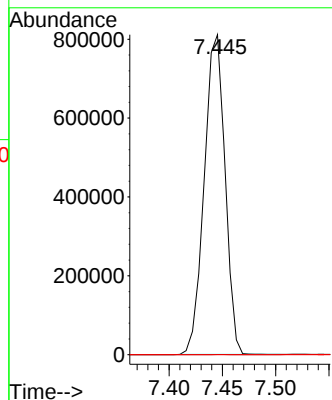
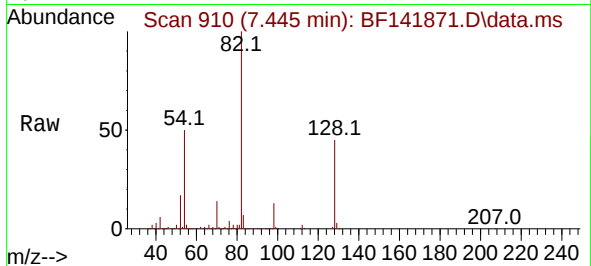




#25
Isophorone
Concen: 51.781 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

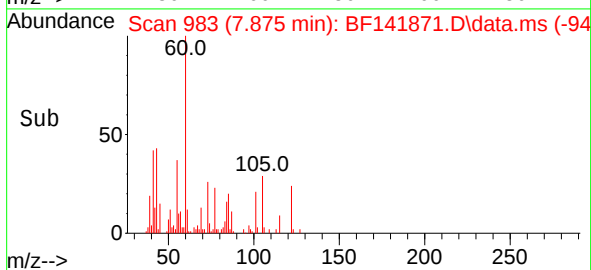
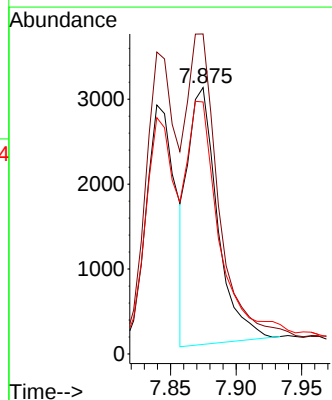
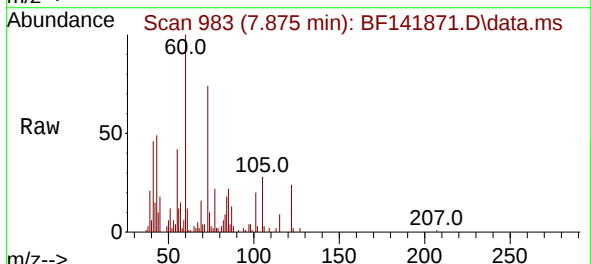
Instrument :
BNA_F
ClientSampleId :
ENV-102-GW01

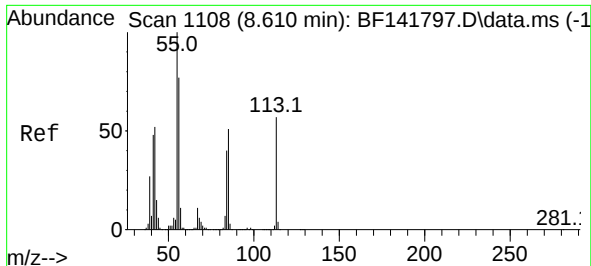
Tgt Ion: 82 Resp: 1099652
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 8.302 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.059 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

Tgt Ion:122 Resp: 4739
Ion Ratio Lower Upper
122 100
105 120.1 105.8 145.8
77 94.6 79.9 119.9





#35

Caprolactam

Concen: 13.492 ng

RT: 8.563 min Scan# 1100

Delta R.T. -0.047 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

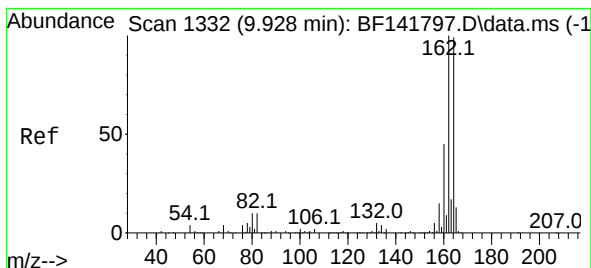
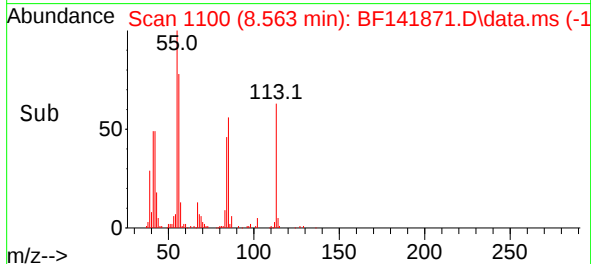
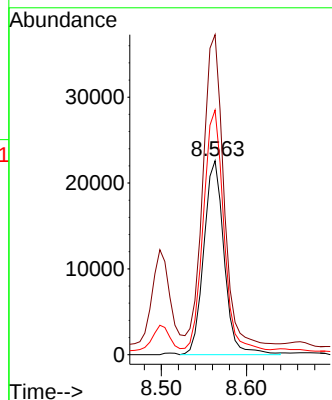
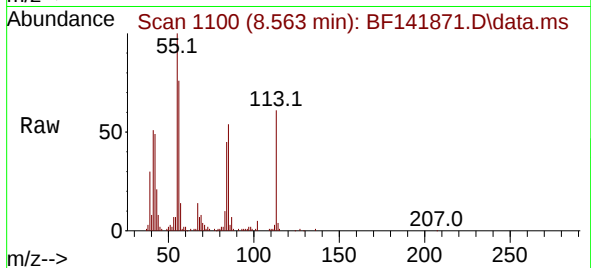
Tgt Ion:113 Resp: 37378

Ion Ratio Lower Upper

113 100

55 165.0 155.6 195.6

56 126.2 114.6 154.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

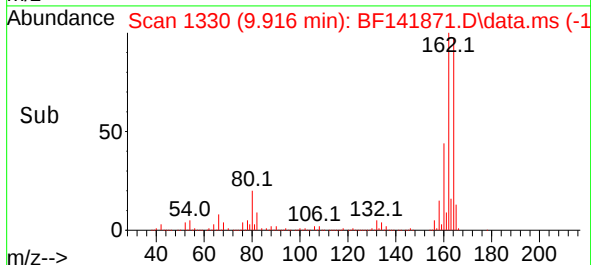
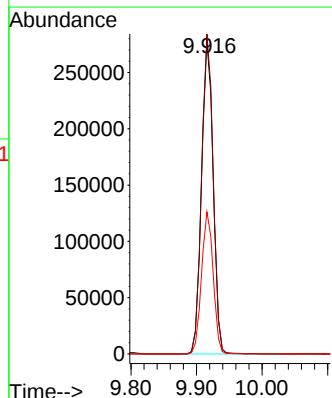
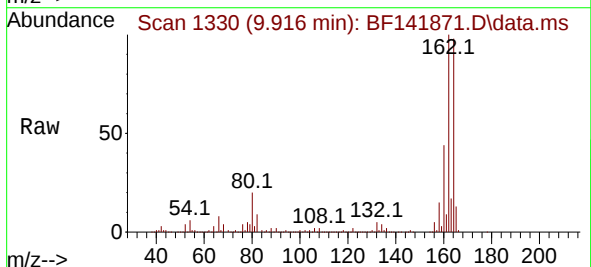
Tgt Ion:164 Resp: 343111

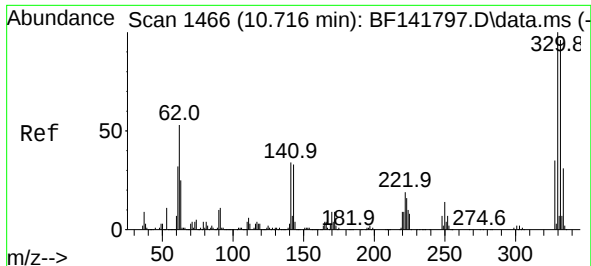
Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

160 45.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 174.263 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

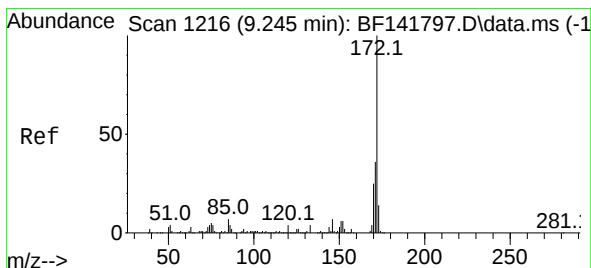
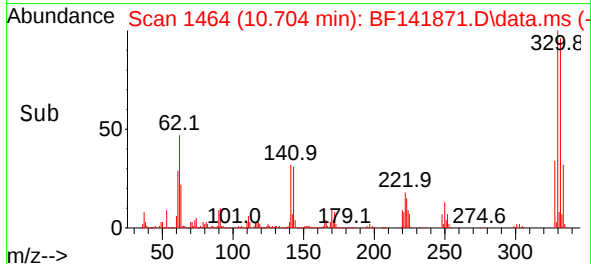
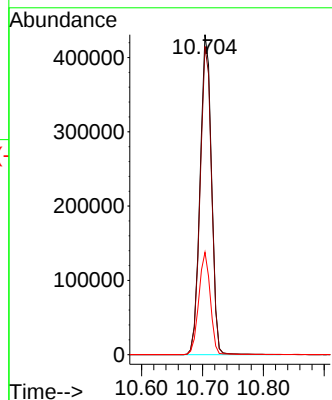
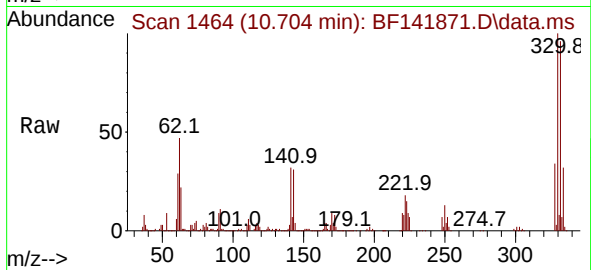
Tgt Ion:330 Resp: 561334

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

141 32.0 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 94.479 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

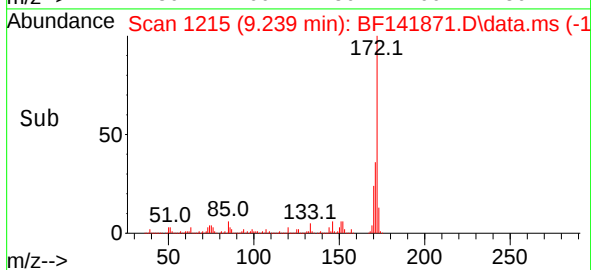
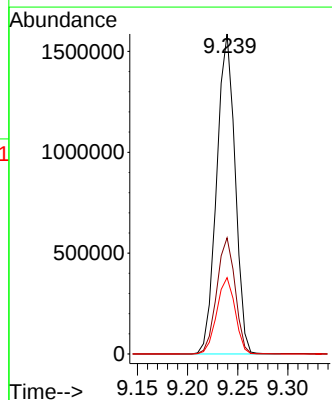
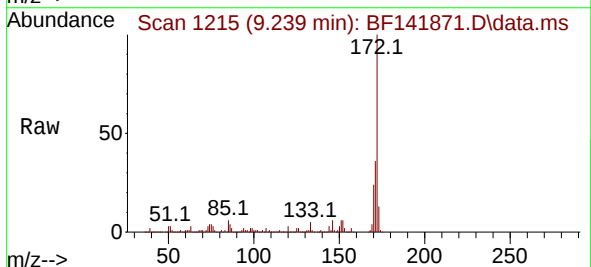
Tgt Ion:172 Resp: 2021701

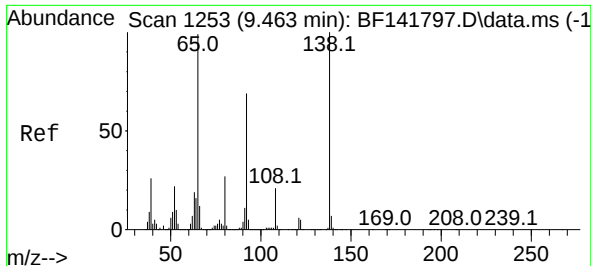
Ion Ratio Lower Upper

172 100

171 36.3 29.2 43.8

170 23.9 19.7 29.5





#48

2-Nitroaniline

Concen: 4.482 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.030 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

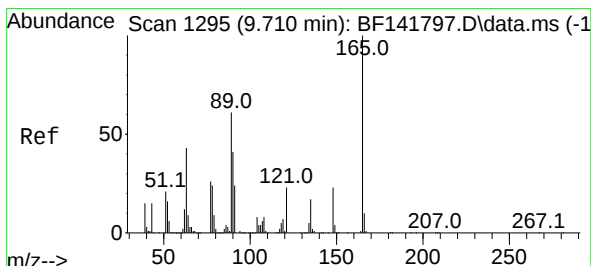
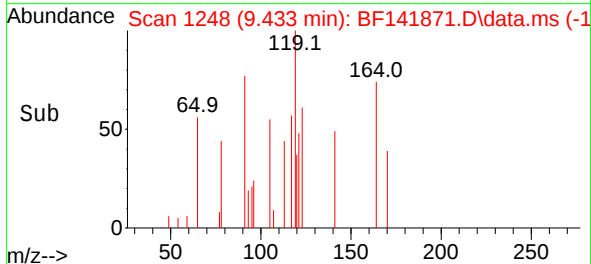
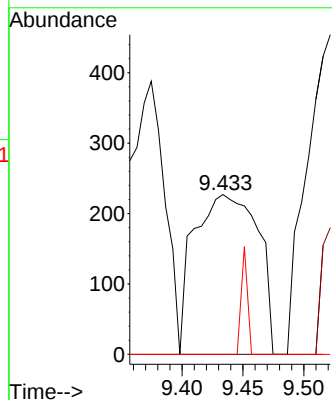
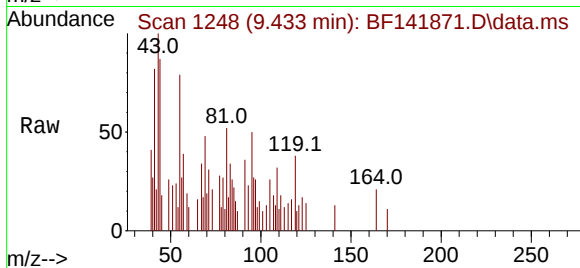
Tgt Ion: 65 Resp: 829

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: 3.362 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.041 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

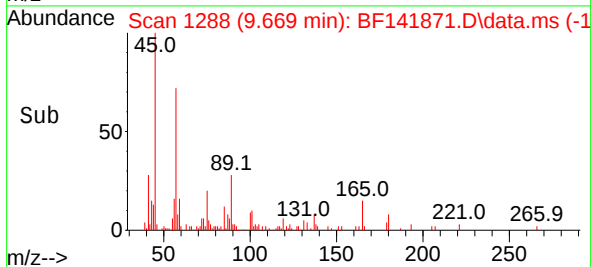
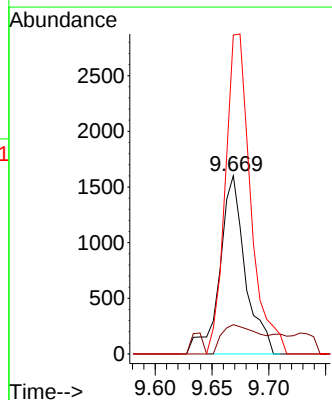
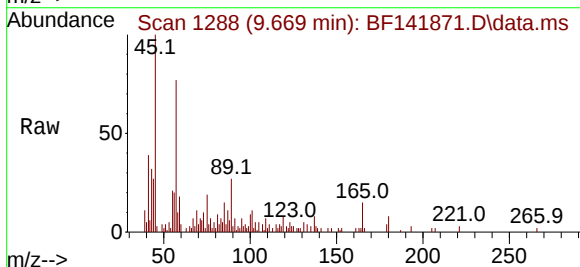
Tgt Ion: 165 Resp: 2492

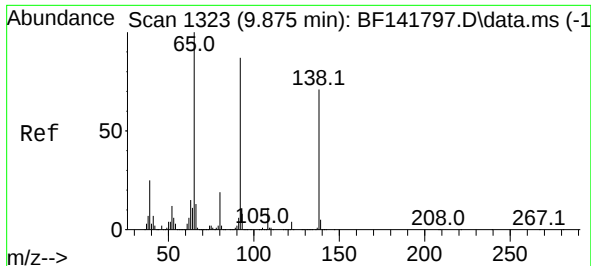
Ion Ratio Lower Upper

165 100

63 16.4 49.5 74.3#

89 179.0 49.0 73.4#

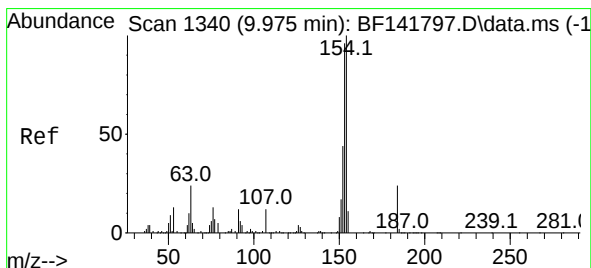
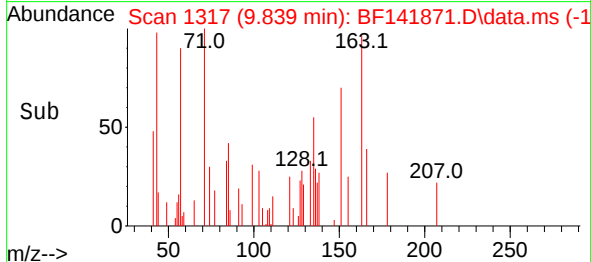
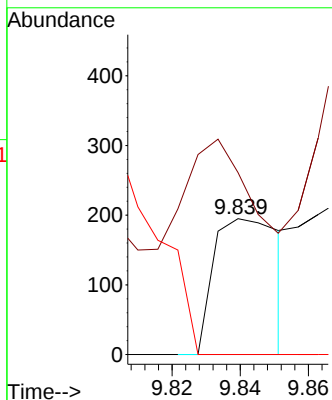
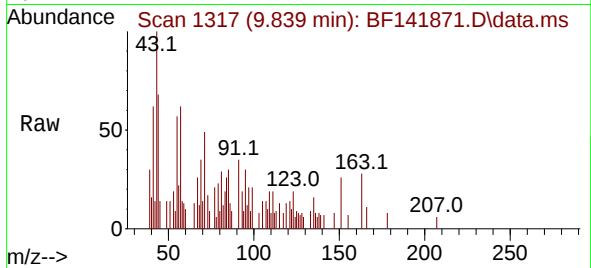




#53
3-Nitroaniline
Concen: 3.019 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.036 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

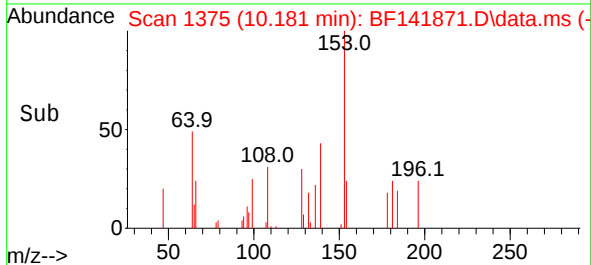
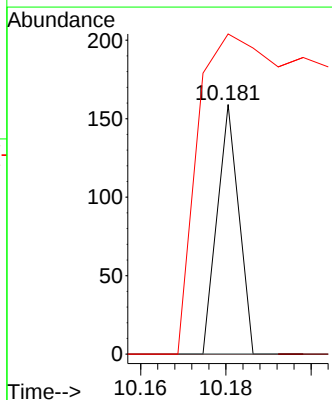
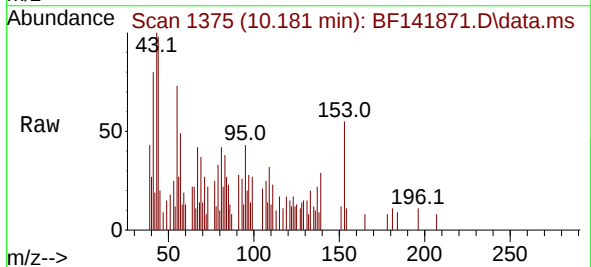
Instrument :
BNA_F
ClientSampleId :
ENV-102-GW01

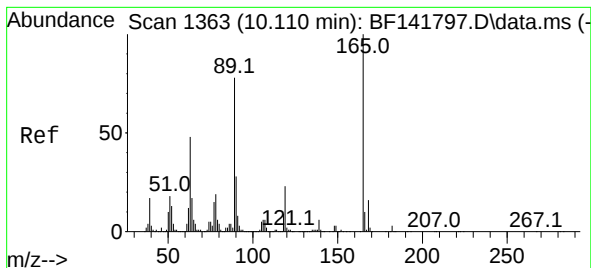
Tgt Ion:138 Resp: 261
Ion Ratio Lower Upper
138 100
108 133.8 12.7 19.1#
92 0.0 97.9 146.9#



#54
2,4-Dinitrophenol
Concen: 5.822 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.206 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 79.0 118.6#
154 128.3 335.8 503.8#





#57

2,4-Dinitrotoluene

Concen: 11.213 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.194 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

Tgt Ion:165 Resp: 44548

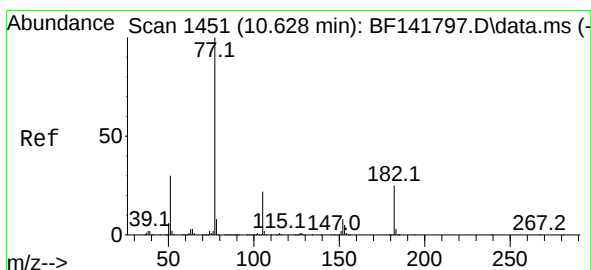
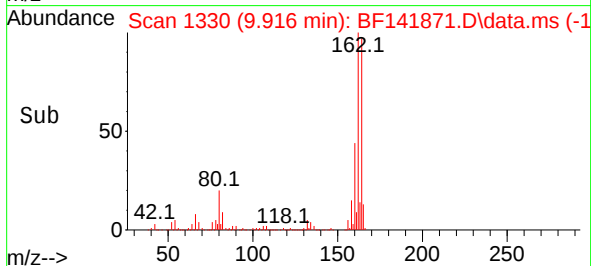
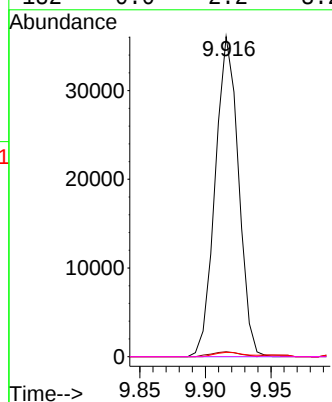
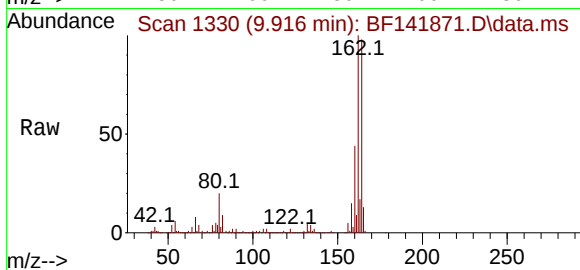
Ion Ratio Lower Upper

165 100

63 1.5 38.8 58.2#

89 1.4 62.6 94.0#

182 0.0 2.2 3.2#



#63

Azobenzene

Concen: 6.789 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Tgt Ion: 77 Resp: 164667

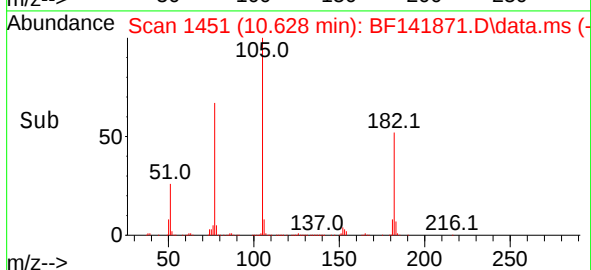
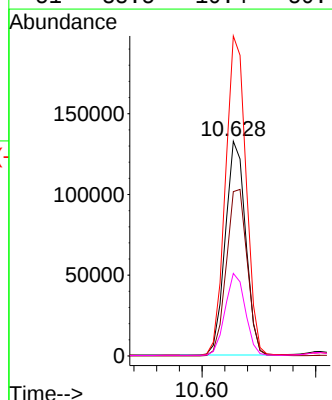
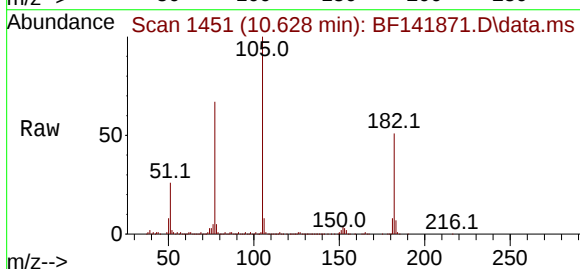
Ion Ratio Lower Upper

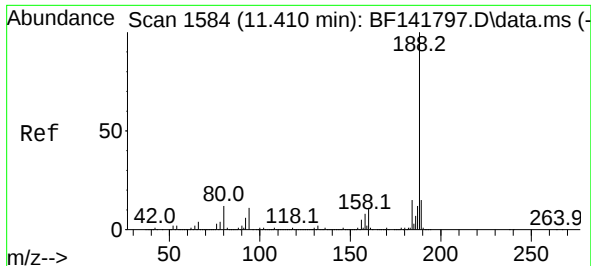
77 100

182 76.5 4.2 44.2#

105 149.1 1.5 41.5#

51 38.5 10.4 50.4

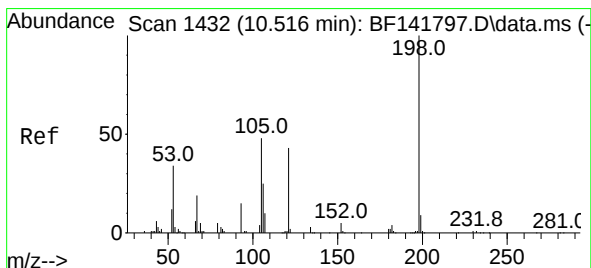
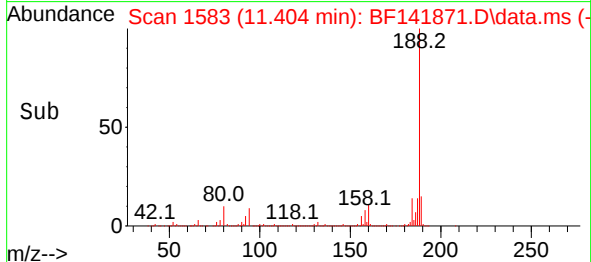
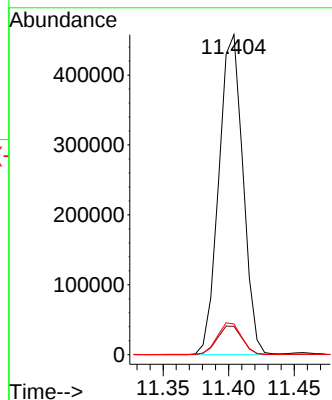
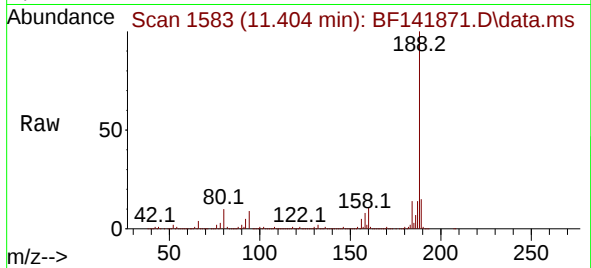




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11404
Delta R.T. -0.006 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

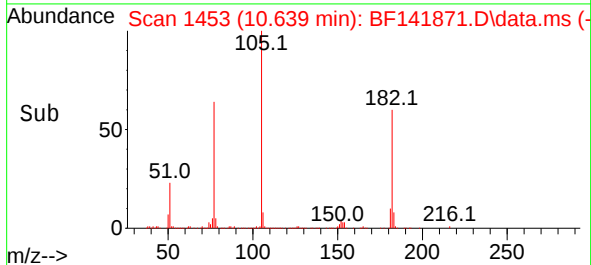
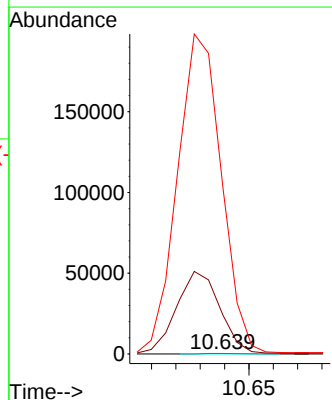
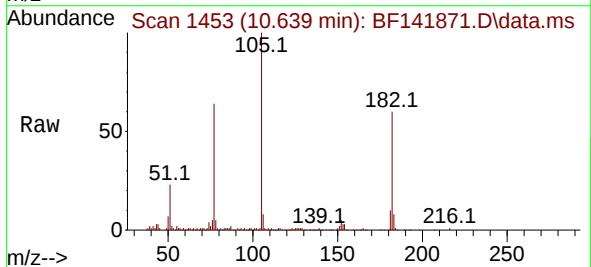
Instrument :
BNA_F
ClientSampleId :
ENV-102-GW01

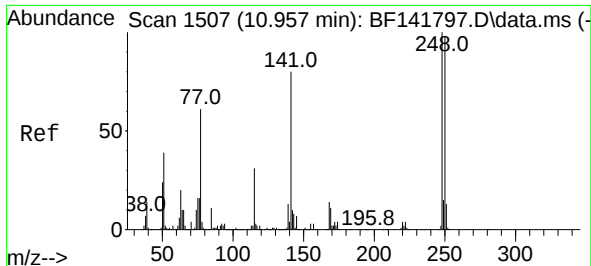
Tgt Ion:188 Resp: 586477
Ion Ratio Lower Upper
188 100
94 8.9 8.9 13.3#
80 9.6 9.7 14.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.229 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.123 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

Tgt Ion:198 Resp: 343
Ion Ratio Lower Upper
198 100
51 7856.7 32.1 72.1#
105 33576.5 28.5 68.5#

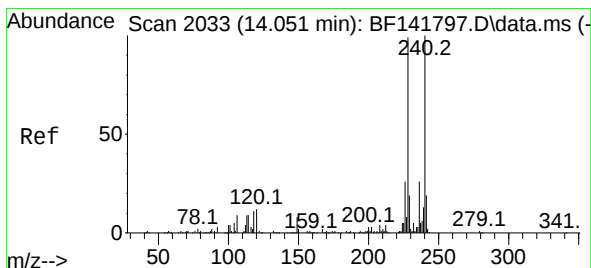
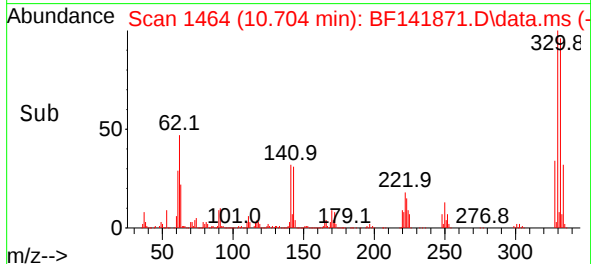
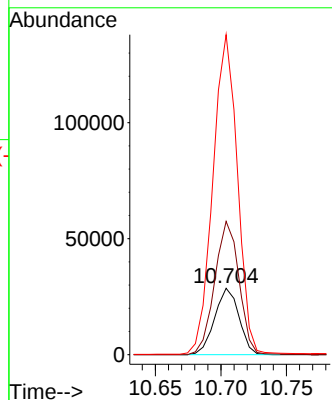
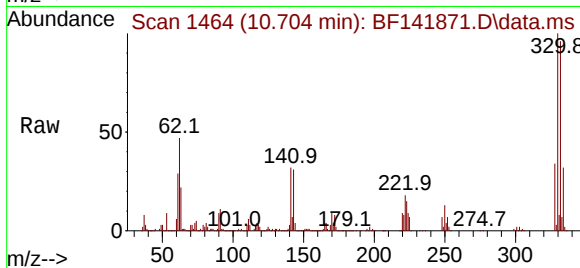




#67
4-Bromophenyl-phenylether
Concen: 5.387 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

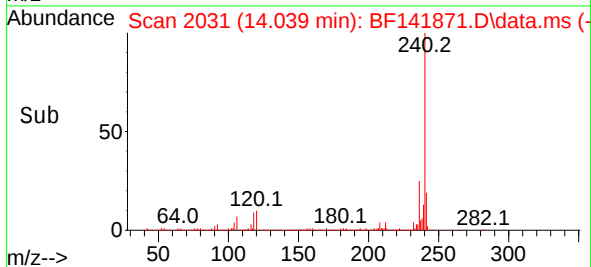
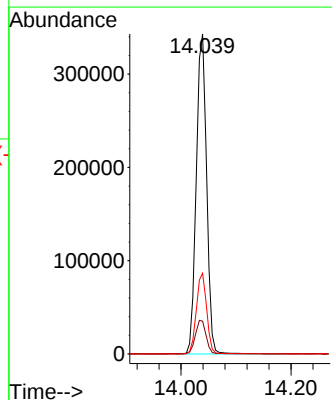
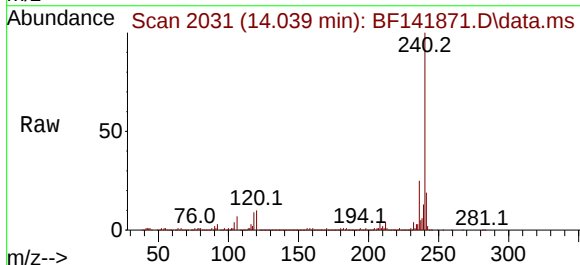
Instrument :
BNA_F
ClientSampleId :
ENV-102-GW01

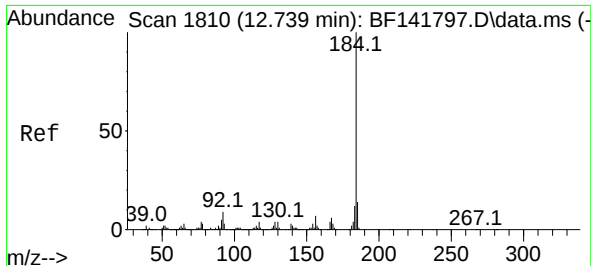
Tgt Ion:248 Resp: 36900
Ion Ratio Lower Upper
248 100
250 200.8 78.1 117.1#
141 482.2 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141871.D
Acq: 06 Mar 2025 16:29

Tgt Ion:240 Resp: 448542
Ion Ratio Lower Upper
240 100
120 10.3 9.7 14.5
236 25.3 21.0 31.4





#77

Benzidine

Concen: 6.086 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.253 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01

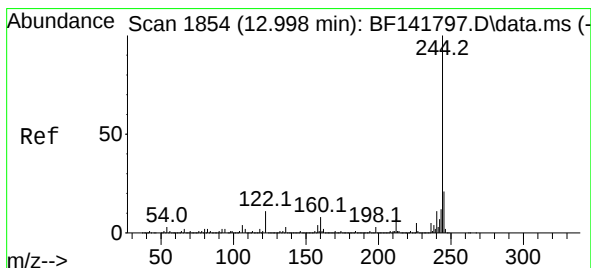
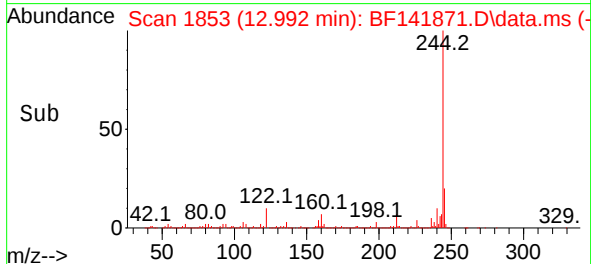
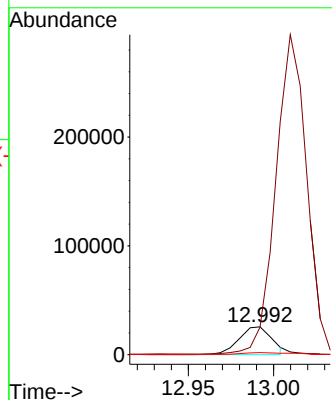
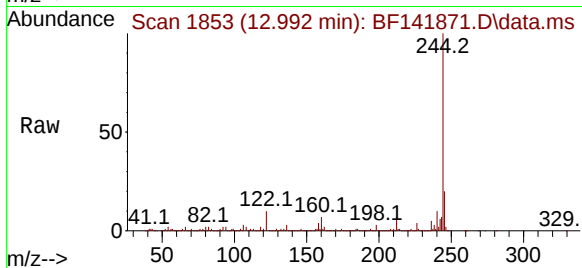
Tgt Ion:184 Resp: 34358

Ion Ratio Lower Upper

184 100

185 98.9 11.6 17.4#

183 7.5 9.4 14.0#



#79

Terphenyl-d14

Concen: 87.671 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141871.D

Acq: 06 Mar 2025 16:29

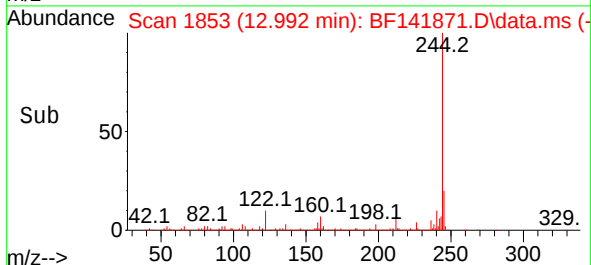
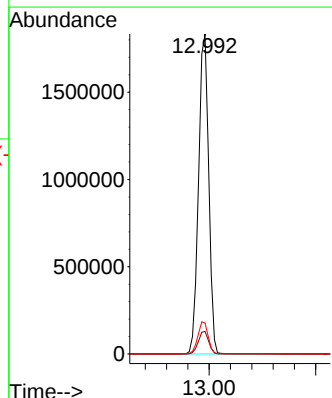
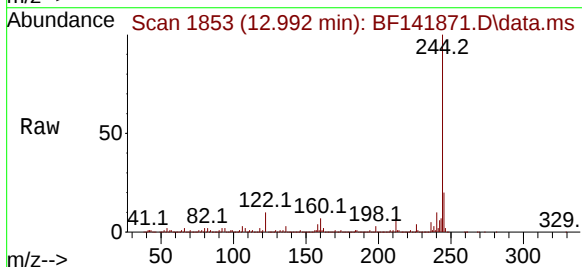
Tgt Ion:244 Resp: 2430546

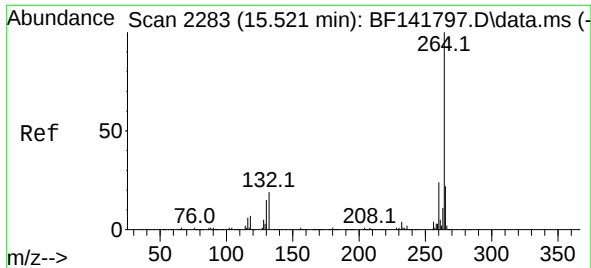
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.7 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141871.D

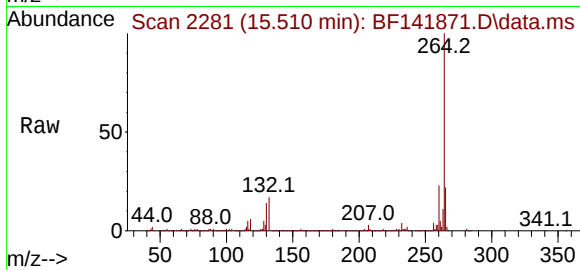
Acq: 06 Mar 2025 16:29

Instrument :

BNA_F

ClientSampleId :

ENV-102-GW01



Tgt Ion:264 Resp: 460671

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.6 17.4 26.0

