

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141843.D
 Acq On : 05 Mar 2025 14:52
 Operator : RC/JU
 Sample : Q1488-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-104-SB01

Quant Time: Mar 05 15:14:47 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)

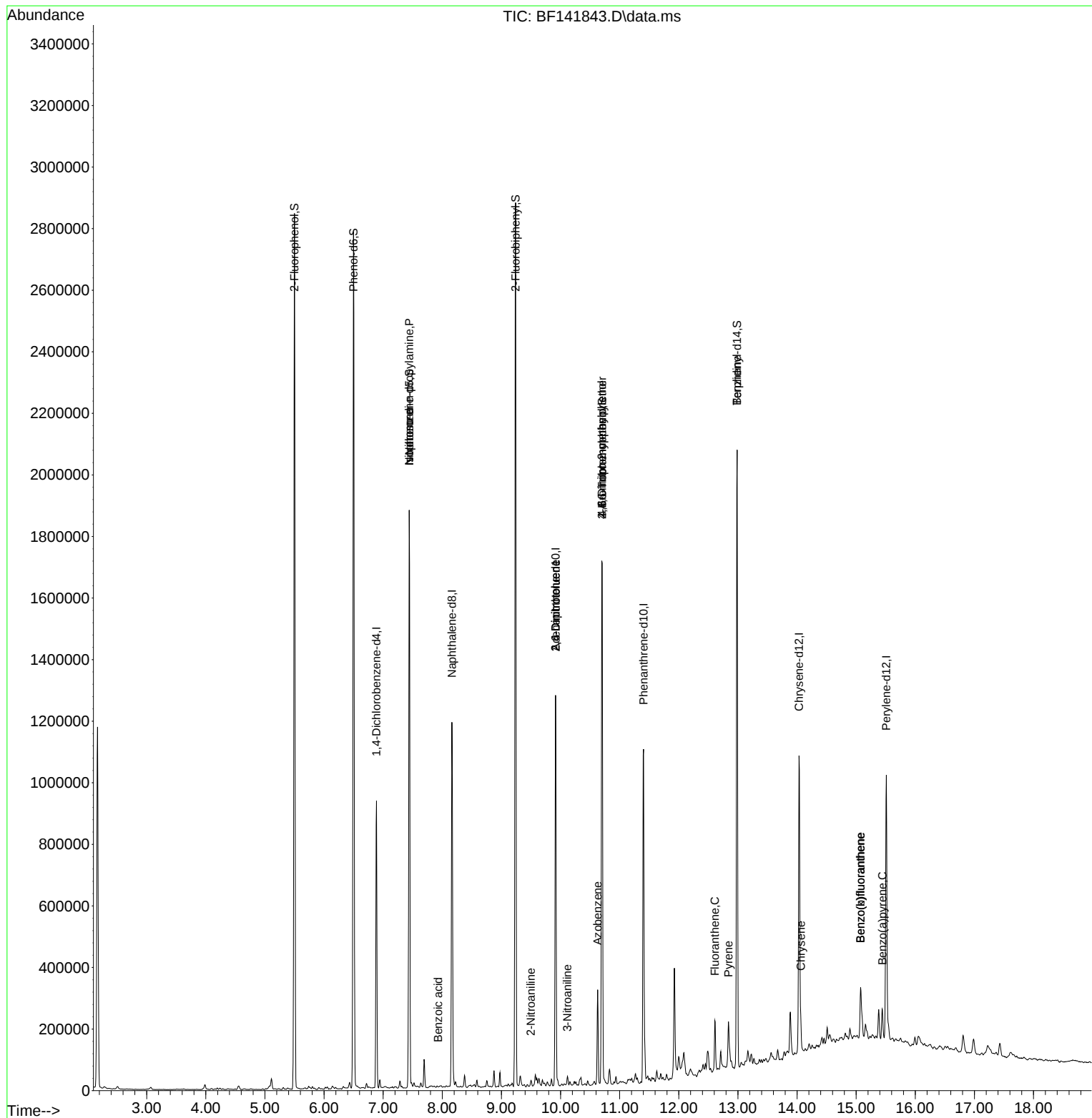
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	192627	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	725608	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	362334	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	551877	20.000	ng	0.00
76) Chrysene-d12	14.033	240	435864	20.000	ng	-0.02
86) Perylene-d12	15.510	264	488168	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1048419	86.920	ng	0.00
7) Phenol-d6	6.498	99	1311040	83.508	ng	-0.01
23) Nitrobenzene-d5	7.440	82	818591	72.111	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	277953	81.711	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1254219	55.503	ng	0.00
79) Terphenyl-d14	12.986	244	978122	36.308	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	110909	10.747	ng	# 80
25) Isophorone	7.440	82	814606	33.402	ng	# 66
32) Benzoic acid	7.928	122	258	7.720	ng	91
48) 2-Nitroaniline	9.498	65	408	4.406	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	48311	12.623	ng	# 21
53) 3-Nitroaniline	10.116	138	56	2.977	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	48312	11.420	ng	# 20
63) Azobenzene	10.628	77	74474	2.908	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	728	8.359	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	19312	2.996	ng	# 1
75) Fluoranthene	12.610	202	89800	2.969	ng	98
77) Benzidine	12.986	184	13331	2.430	ng	# 91
78) Pyrene	12.839	202	84804	2.247	ng	100
83) Chrysene	14.063	228	64592	2.434	ng	96
88) Benzo(b)fluoranthene	15.074	252	134414	4.042	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	134414	4.756	ng	# 97
90) Benzo(a)pyrene	15.445	252	61441	2.304	ng	97

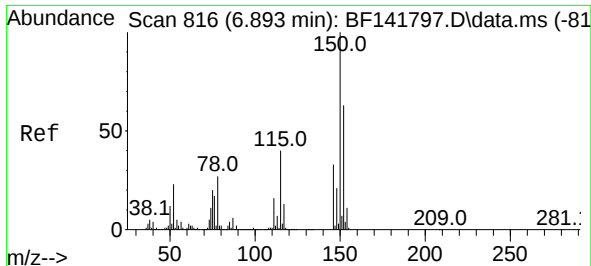
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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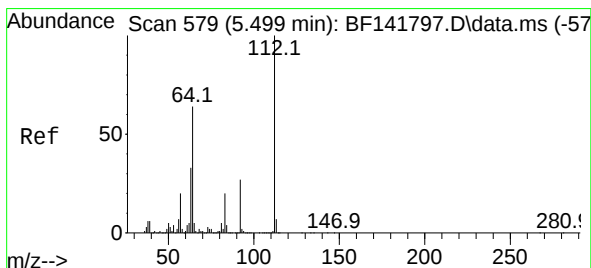
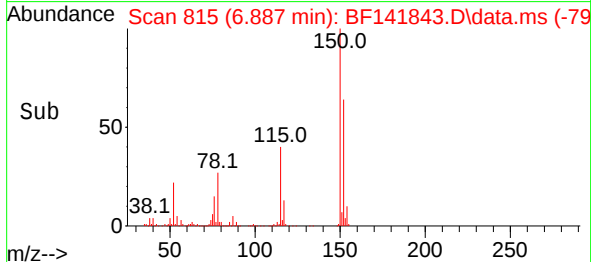
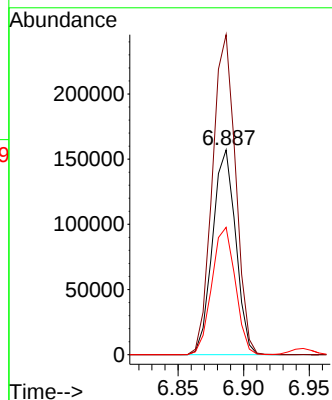
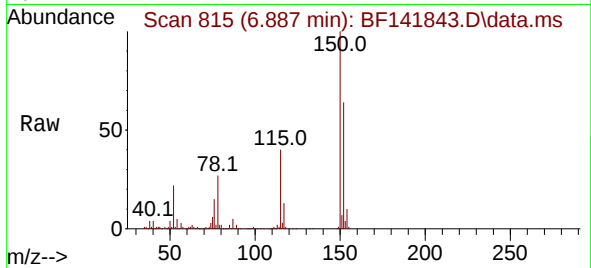




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

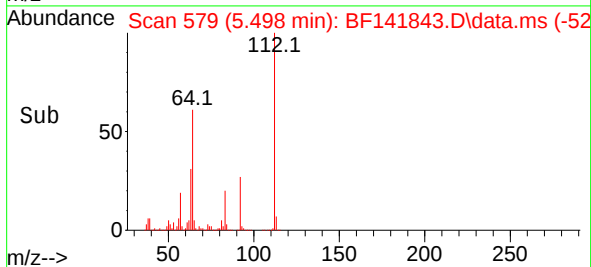
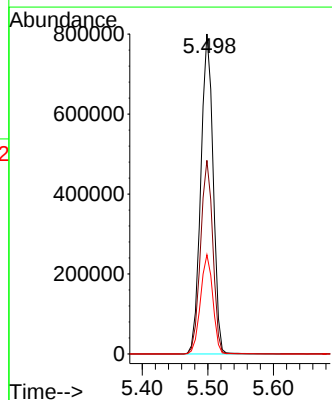
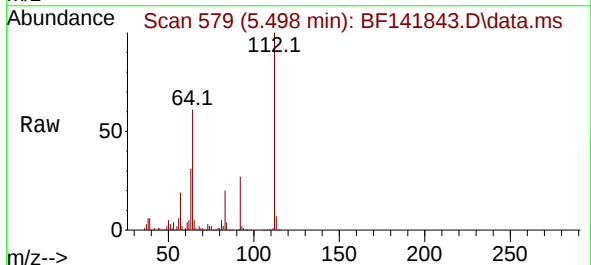
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

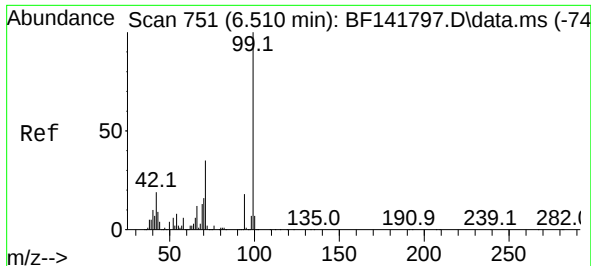
Tgt Ion:152 Resp: 192627
Ion Ratio Lower Upper
152 100
150 156.2 127.5 191.3
115 62.2 51.4 77.2



#5
2-Fluorophenol
Concen: 86.920 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:112 Resp: 1048419
Ion Ratio Lower Upper
112 100
64 60.5 51.3 76.9
63 31.0 26.2 39.4

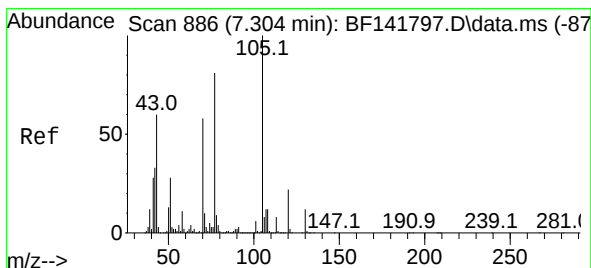
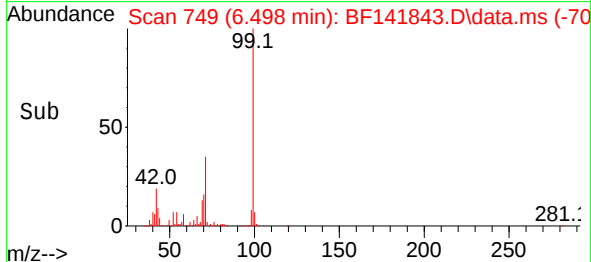
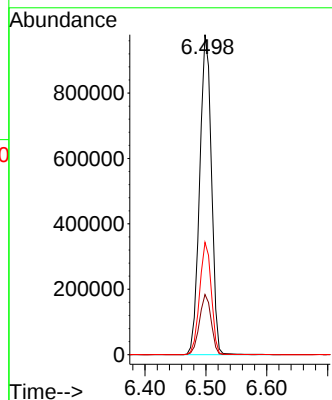
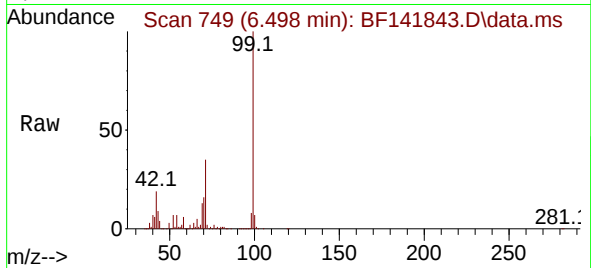




#7
Phenol-d6
Concen: 83.508 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

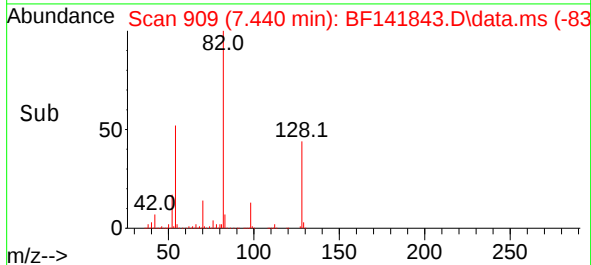
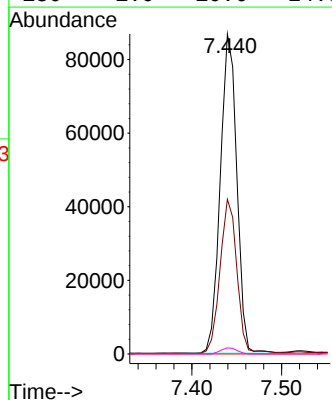
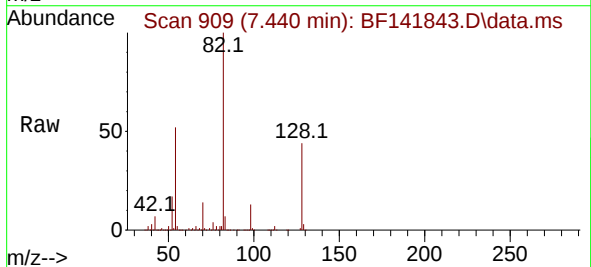
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

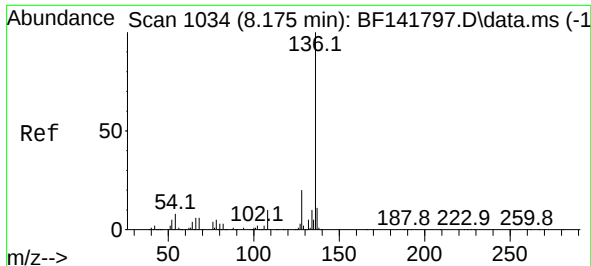
Tgt Ion: 99 Resp: 1311040
Ion Ratio Lower Upper
99 100
42 18.8 15.2 22.8
71 35.1 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.747 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion: 70 Resp: 110909
Ion Ratio Lower Upper
70 100
42 48.3 45.4 68.0
101 0.0 7.8 11.8#
130 1.9 16.6 24.8#

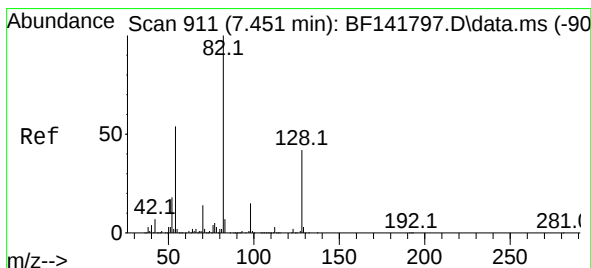
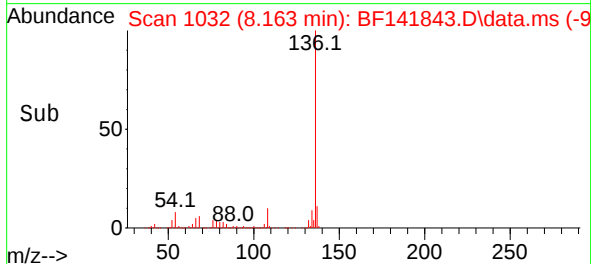
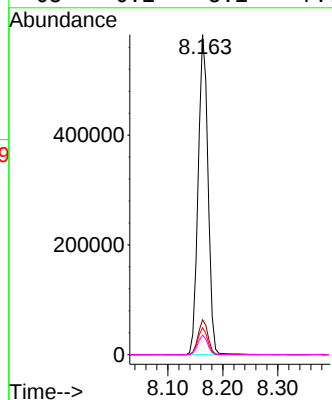
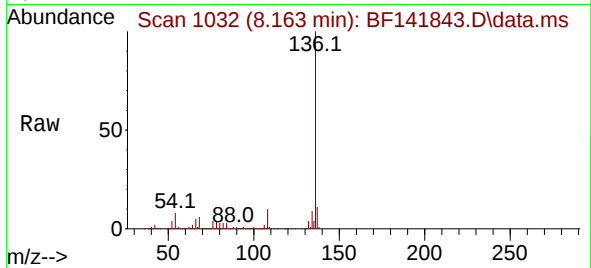




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

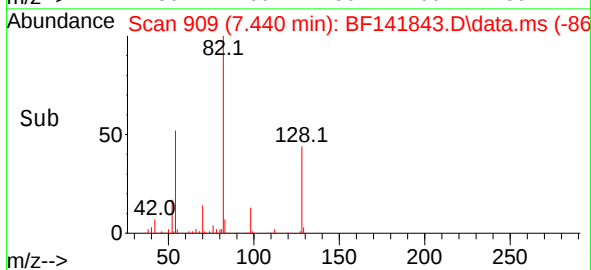
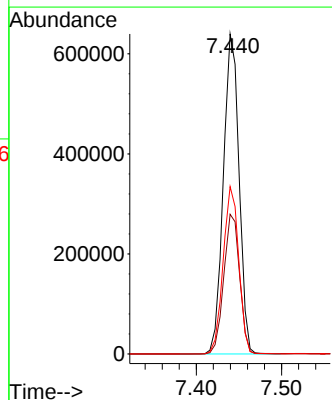
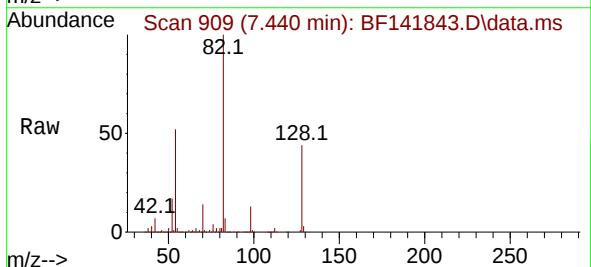
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

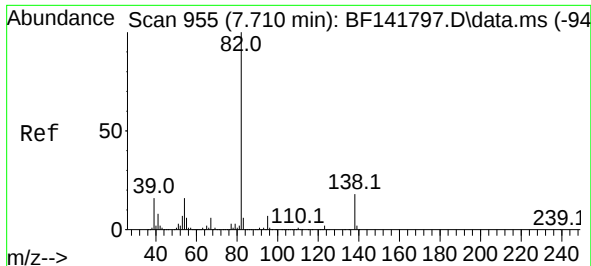
Tgt Ion:136 Resp: 725608
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 6.9 10.3
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 72.111 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion: 82 Resp: 818591
Ion Ratio Lower Upper
82 100
128 43.7 33.5 50.3
54 52.3 42.7 64.1





#25

Isophorone

Concen: 33.402 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.271 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

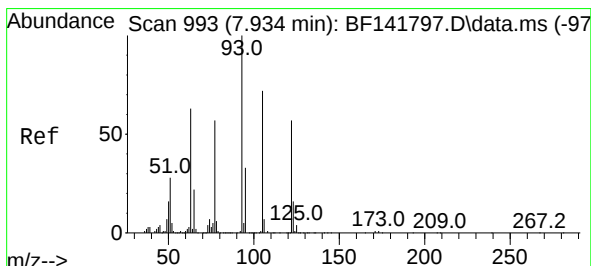
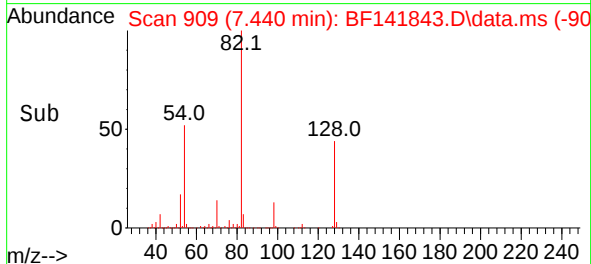
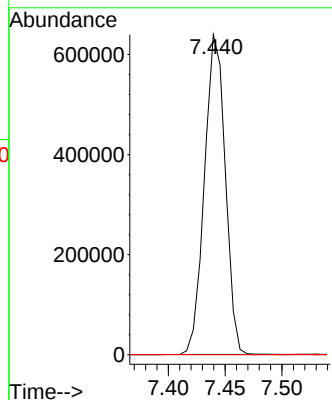
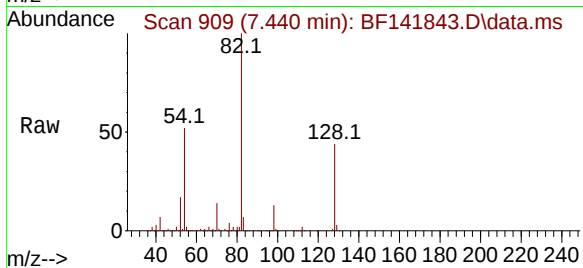
Tgt Ion: 82 Resp: 814606

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 14.0 21.0#



#32

Benzoic acid

Concen: 7.720 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

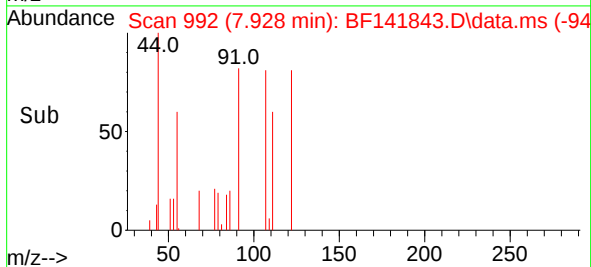
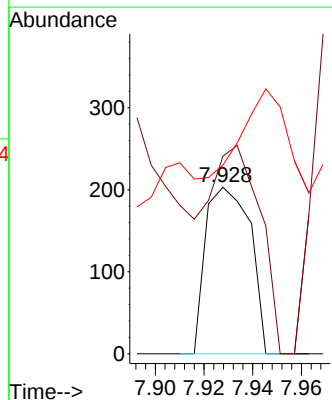
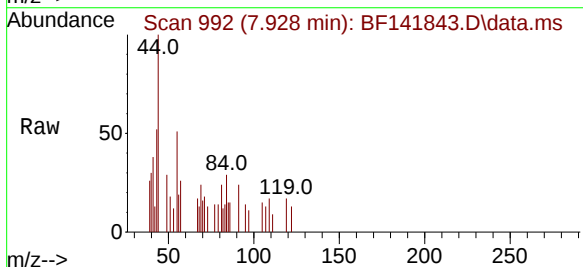
Tgt Ion:122 Resp: 258

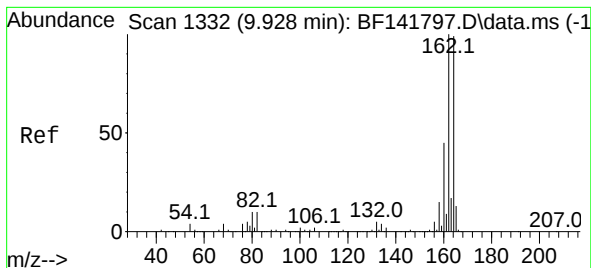
Ion Ratio Lower Upper

122 100

105 118.7 105.8 145.8

77 113.3 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

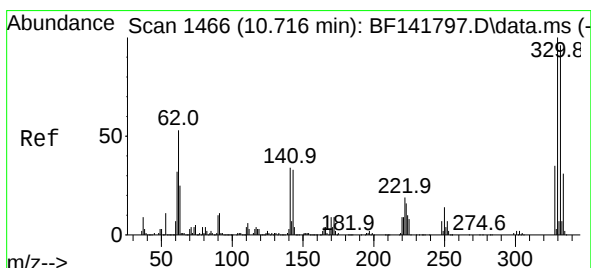
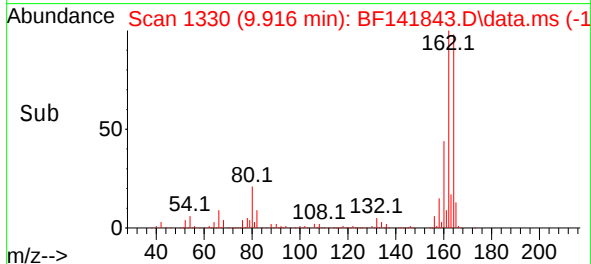
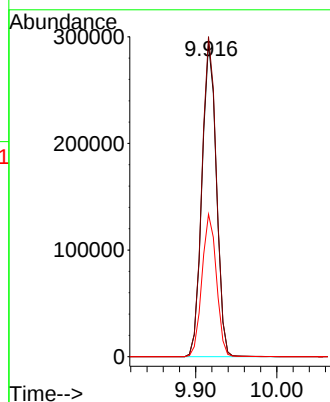
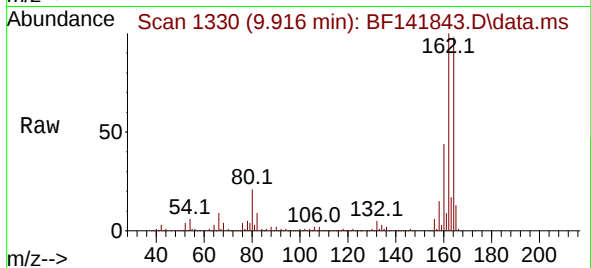
Tgt Ion:164 Resp: 362334

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 81.711 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

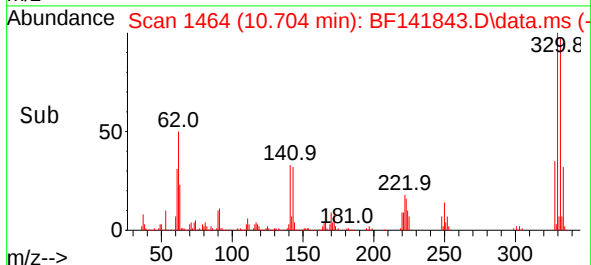
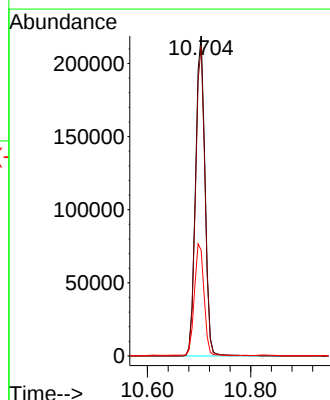
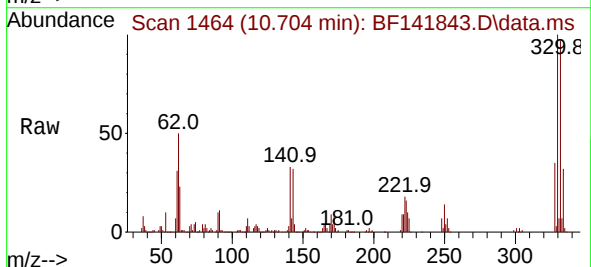
Tgt Ion:330 Resp: 277953

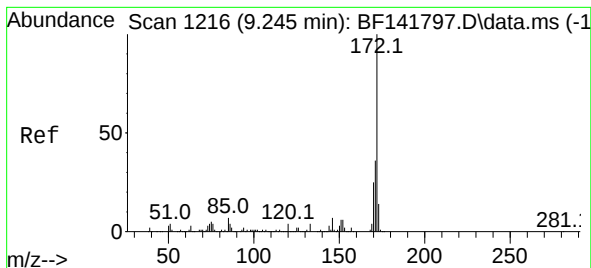
Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

141 35.7 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 55.503 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

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ENV-104-SB01

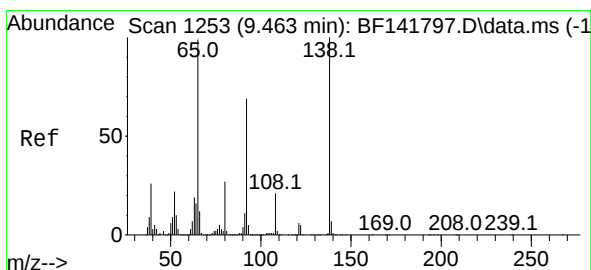
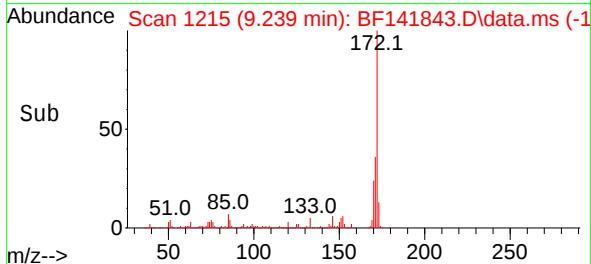
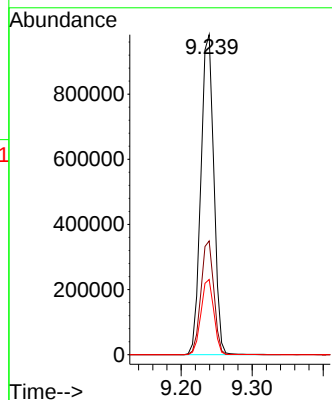
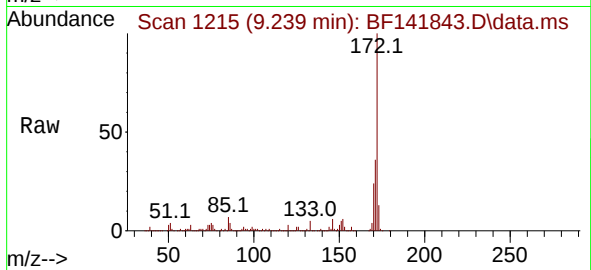
Tgt Ion:172 Resp: 1254219

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.5 19.7 29.5



#48

2-Nitroaniline

Concen: 4.406 ng

RT: 9.498 min Scan# 1259

Delta R.T. 0.035 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

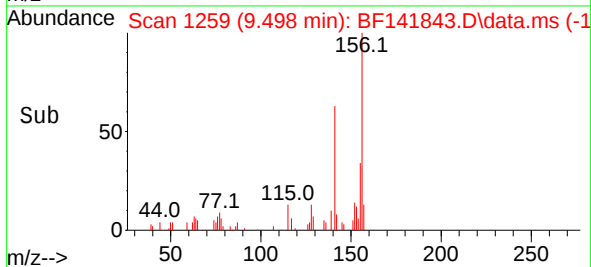
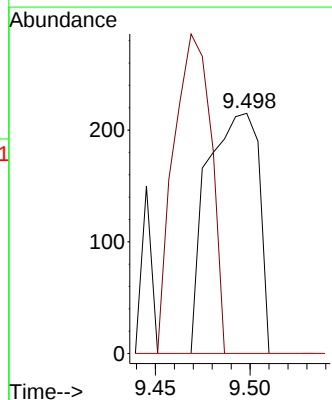
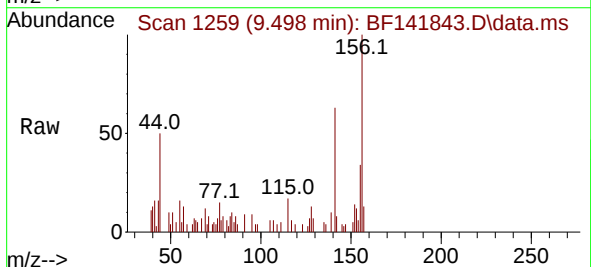
Tgt Ion: 65 Resp: 408

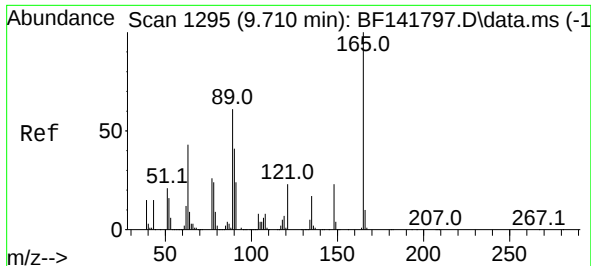
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#

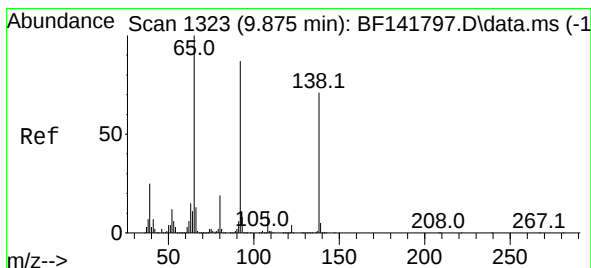
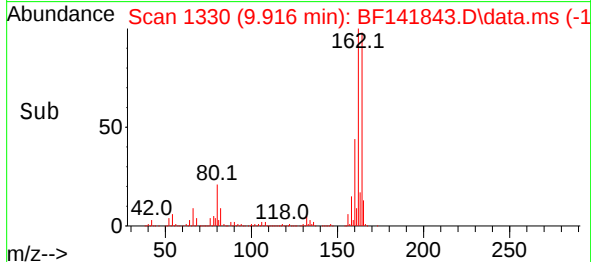
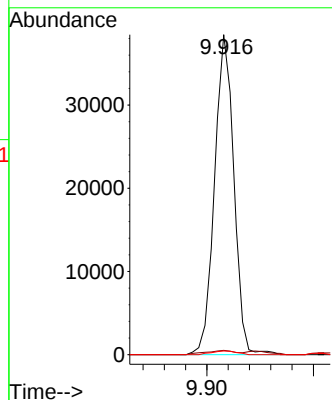
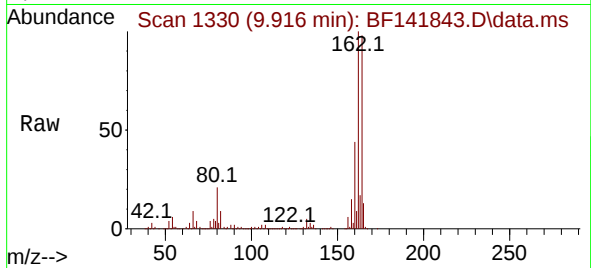




#51
2,6-Dinitrotoluene
Concen: 12.623 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

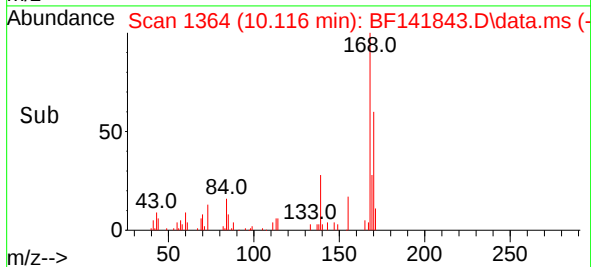
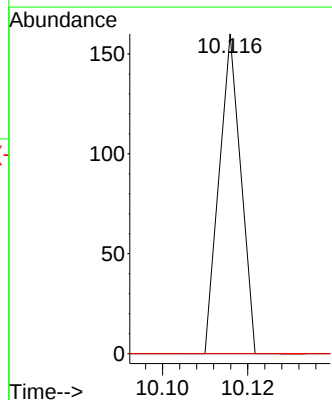
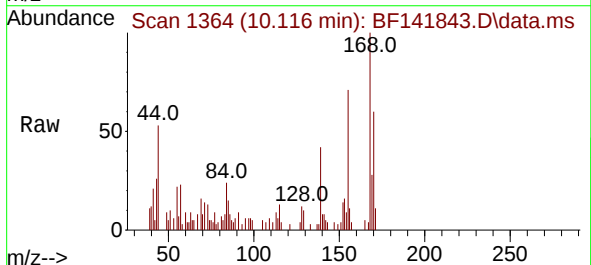
Instrument :
BNA_F
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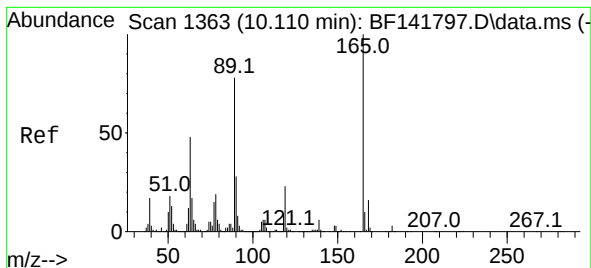
Tgt Ion:165 Resp: 48311
Ion Ratio Lower Upper
165 100
63 1.4 49.5 74.3#
89 1.2 49.0 73.4#



#53
3-Nitroaniline
Concen: 2.977 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.241 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 0.0 97.9 146.9#





#57

2,4-Dinitrotoluene

Concen: 11.420 ng

RT: 9.916 min Scan# 1451

Delta R.T. -0.194 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

Tgt Ion:165 Resp: 48312

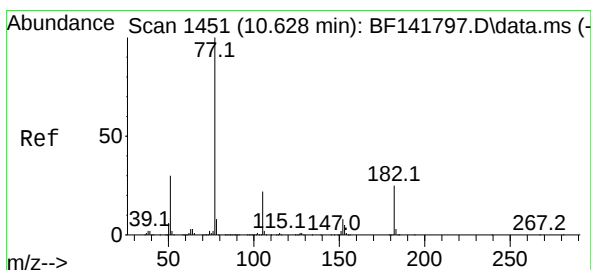
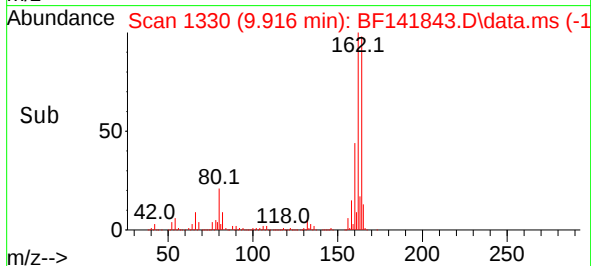
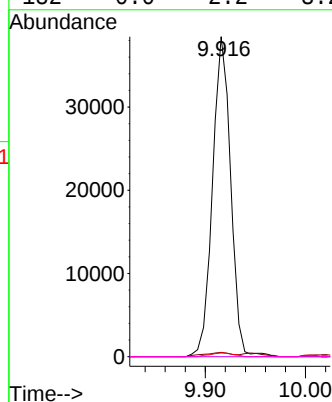
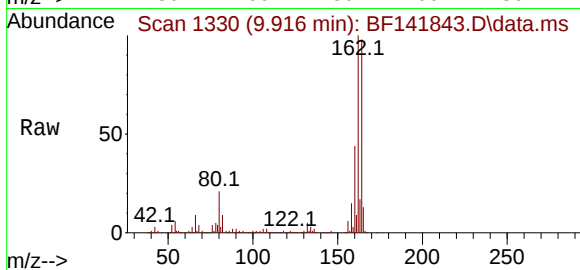
Ion Ratio Lower Upper

165 100

63 1.4 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#



#63

Azobenzene

Concen: 2.908 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Tgt Ion: 77 Resp: 74474

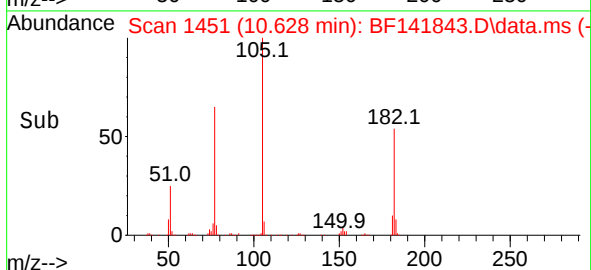
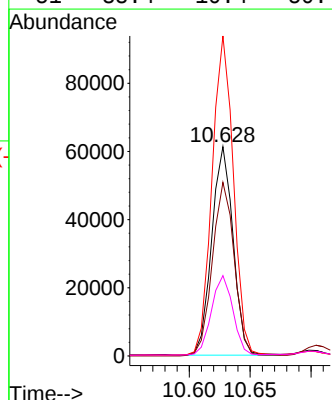
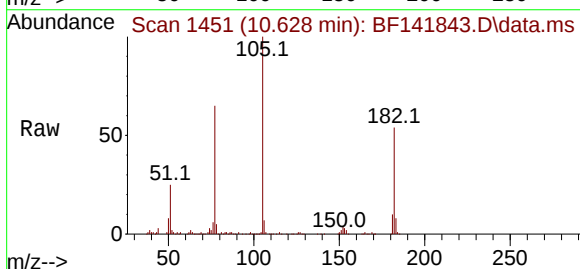
Ion Ratio Lower Upper

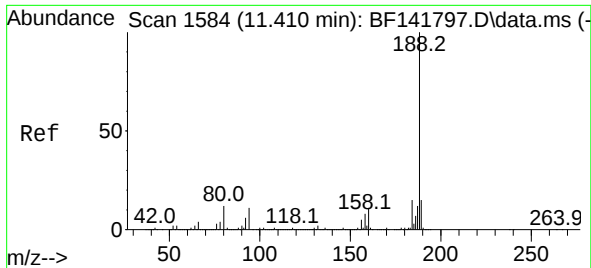
77 100

182 83.0 4.2 44.2#

105 152.9 1.5 41.5#

51 38.4 10.4 50.4

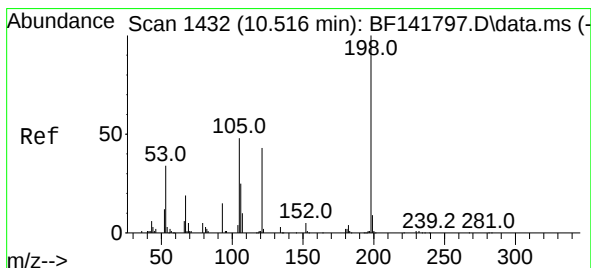
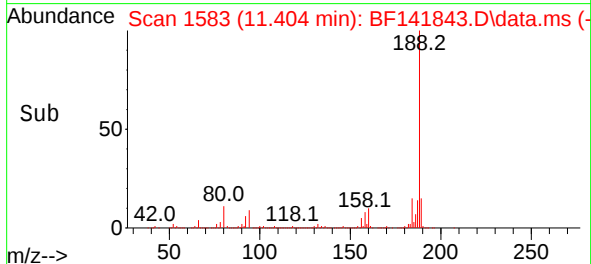
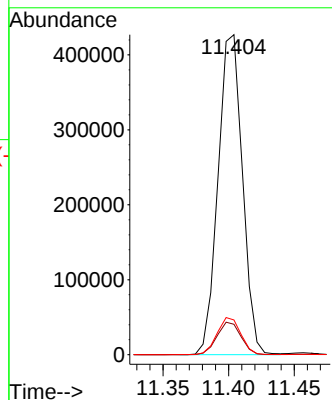
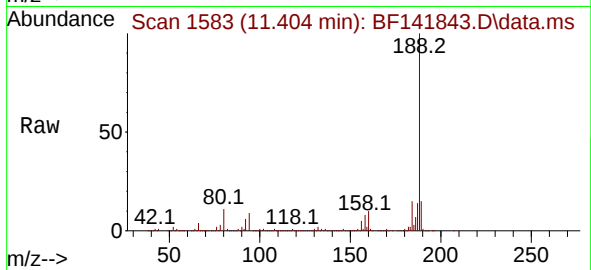




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

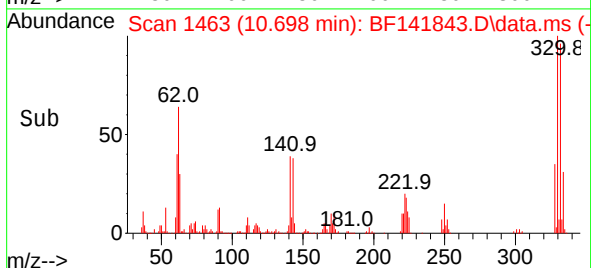
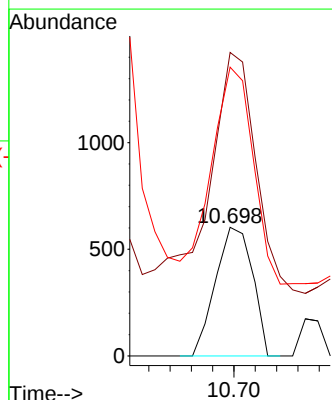
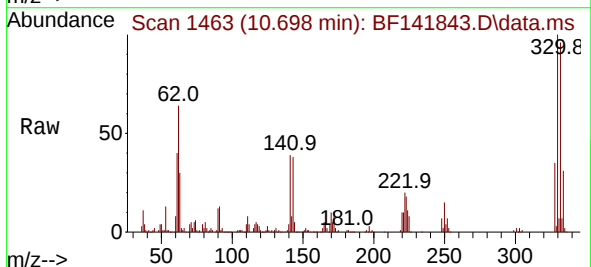
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

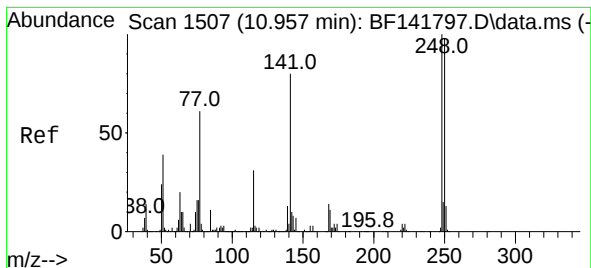
Tgt Ion:188 Resp: 551877
Ion Ratio Lower Upper
188 100
94 9.5 8.9 13.3
80 10.8 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.359 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:198 Resp: 728
Ion Ratio Lower Upper
198 100
51 236.0 32.1 72.1#
105 224.5 28.5 68.5#

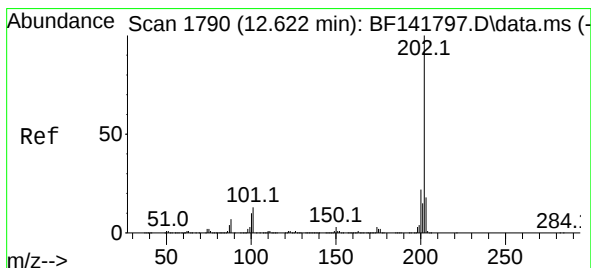
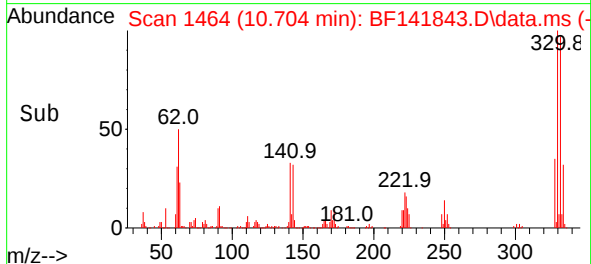
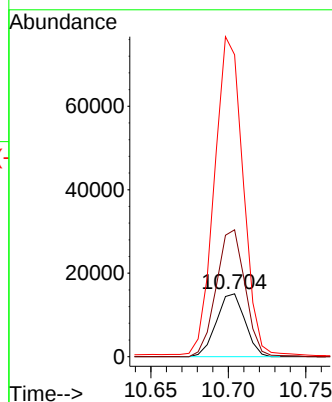
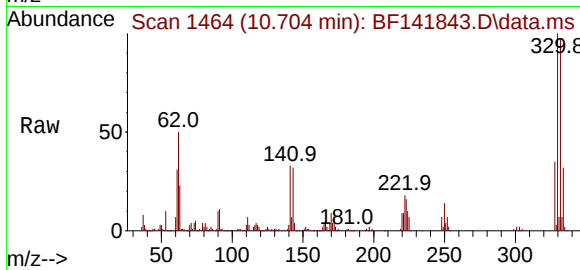




#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

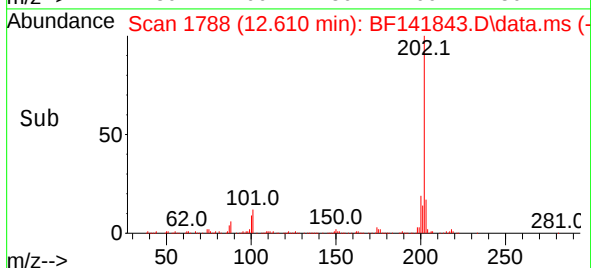
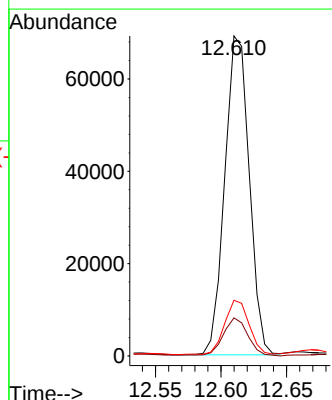
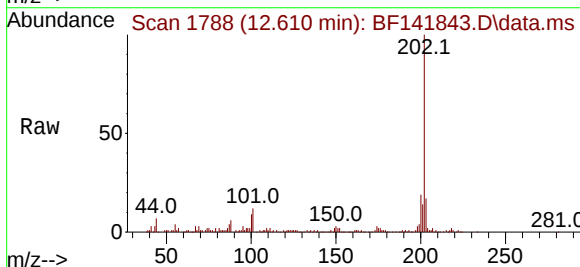
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

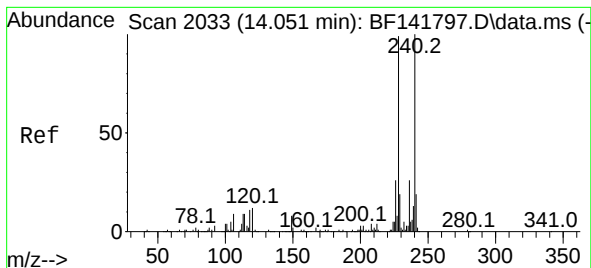
Tgt Ion:248 Resp: 19312
Ion Ratio Lower Upper
248 100
250 201.4 78.1 117.1#
141 479.6 64.3 96.5#



#75
Fluoranthene
Concen: 2.969 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:202 Resp: 89800
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.8
203 17.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.018 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

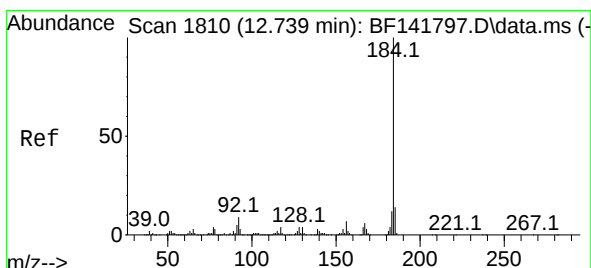
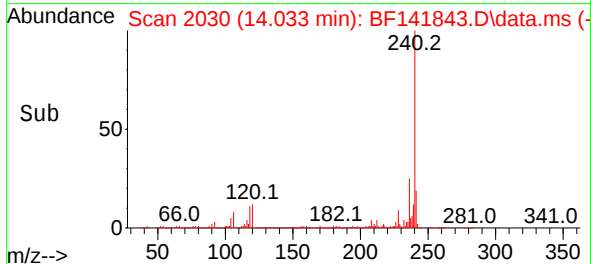
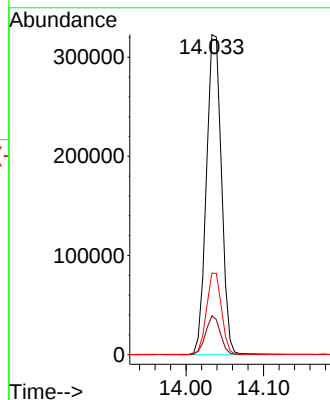
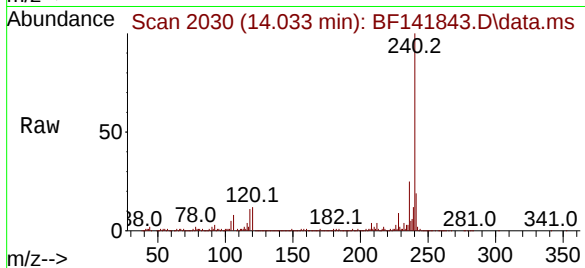
Tgt Ion:240 Resp: 435864

Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

236 25.5 21.0 31.4



#77

Benzidine

Concen: 2.430 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

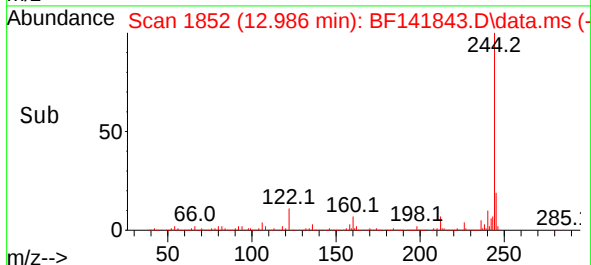
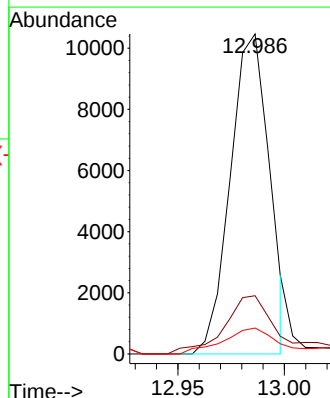
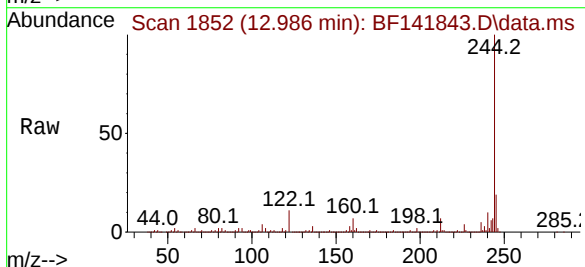
Tgt Ion:184 Resp: 13331

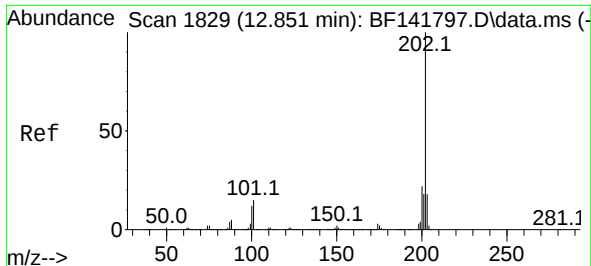
Ion Ratio Lower Upper

184 100

185 18.2 11.6 17.4#

183 8.1 9.4 14.0#

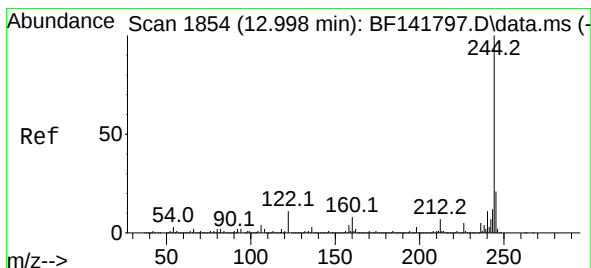
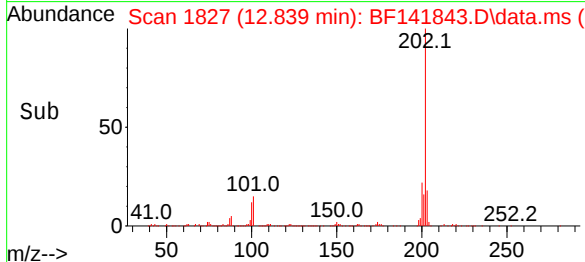
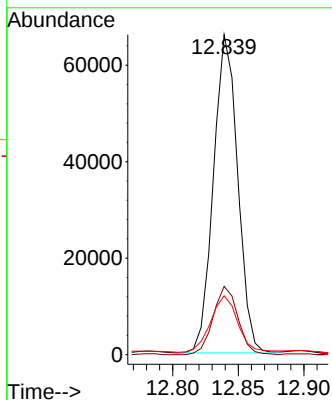
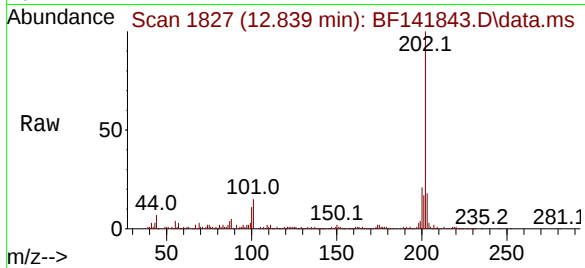




#78
Pyrene
Concen: 2.247 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

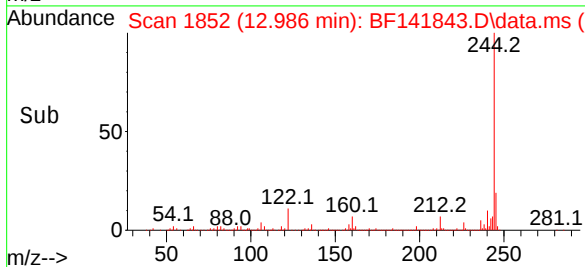
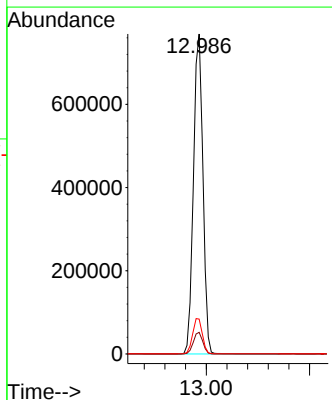
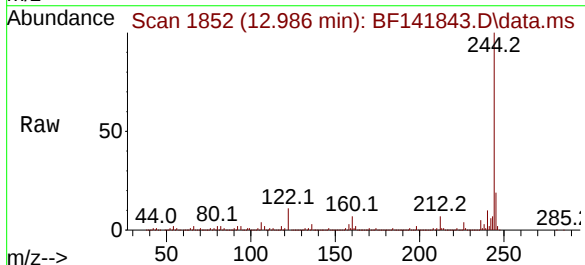
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01

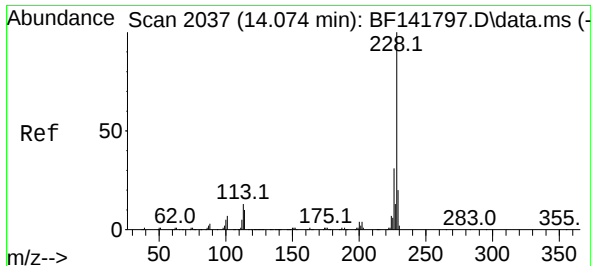
Tgt Ion:202 Resp: 84804
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.0
203 18.4 14.6 22.0



#79
Terphenyl-d14
Concen: 36.308 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:244 Resp: 978122
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 10.9 9.0 13.6





#83

Chrysene

Concen: 2.434 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

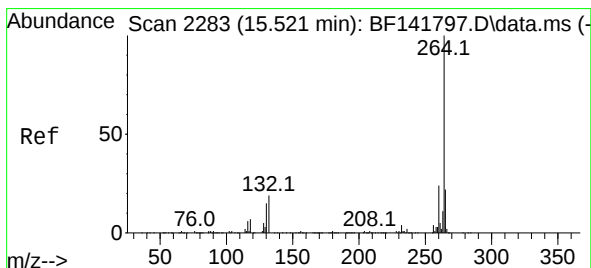
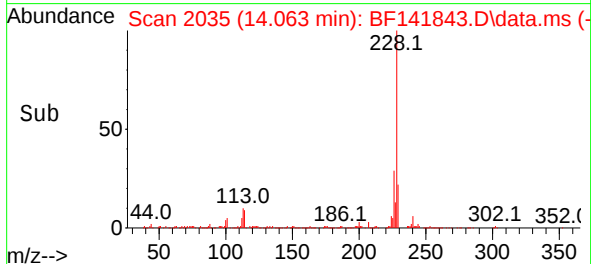
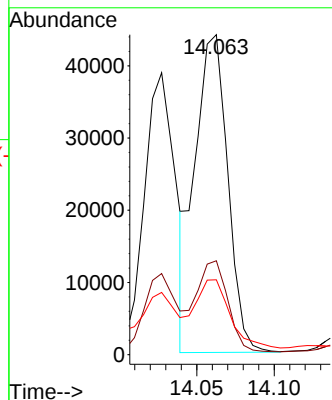
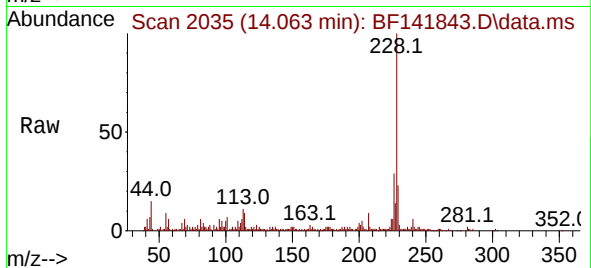
Tgt Ion:228 Resp: 64592

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

229 23.4 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

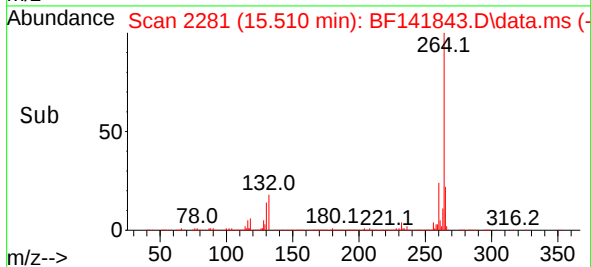
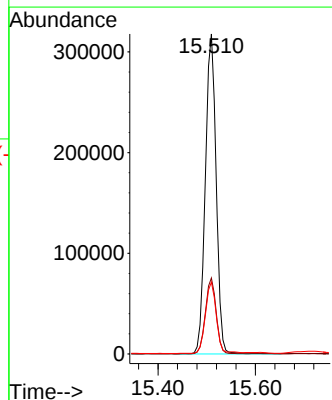
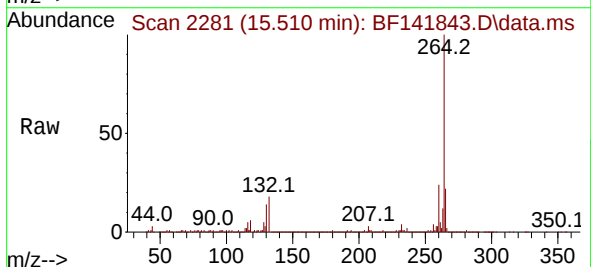
Tgt Ion:264 Resp: 488168

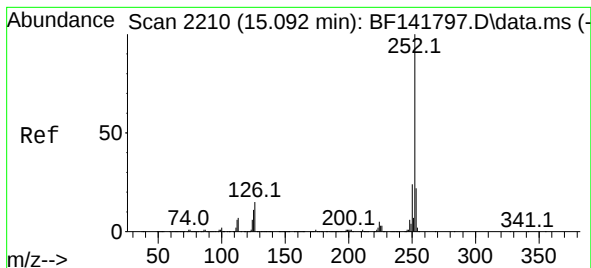
Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.4 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 4.042 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.018 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

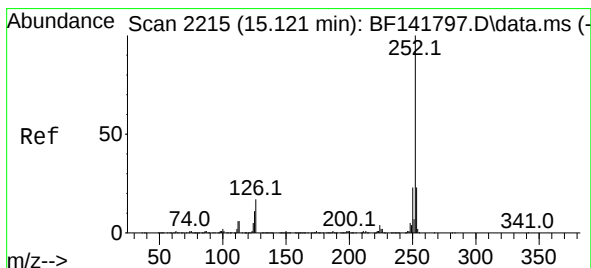
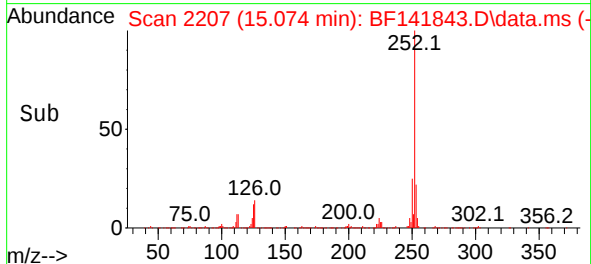
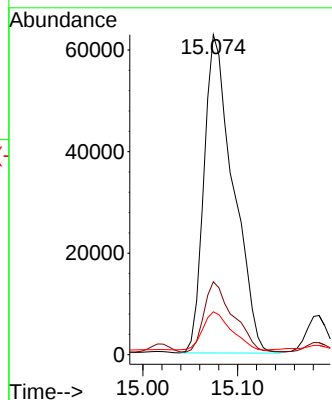
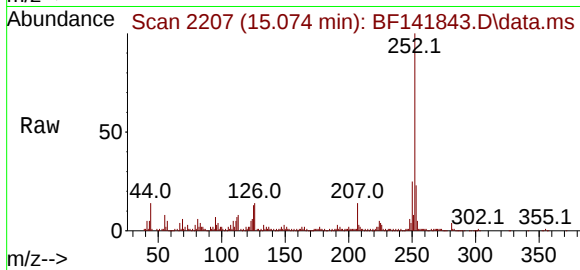
Tgt Ion:252 Resp: 134414

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 13.4 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 4.756 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.047 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

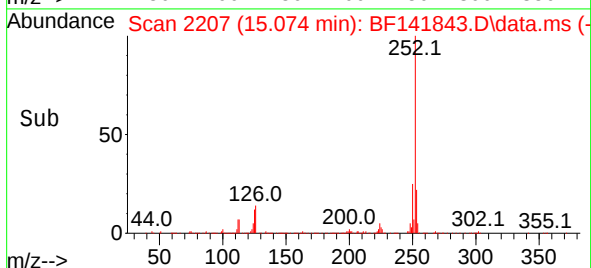
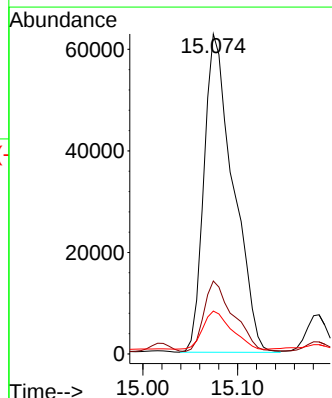
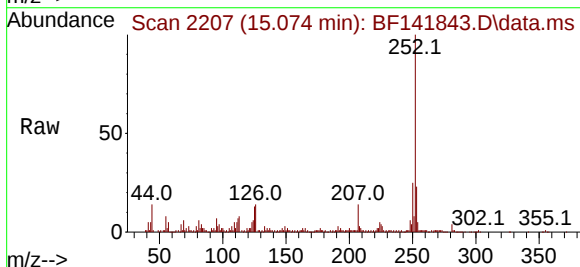
Tgt Ion:252 Resp: 134414

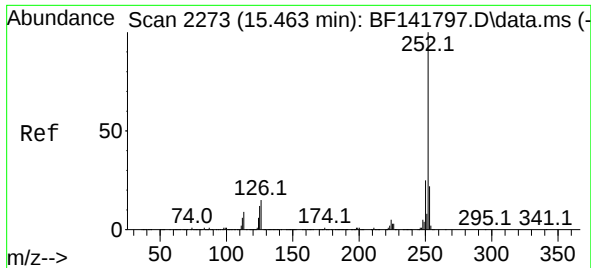
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 13.4 8.8 13.2#





#90
 Benzo(a)pyrene
 Concen: 2.304 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141843.D
 Acq: 05 Mar 2025 14:52

Instrument :
 BNA_F
 ClientSampleId :
 ENV-104-SB01

Tgt Ion:252 Resp: 61441
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 13.1 9.4 14.2

