

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141842.D
 Acq On : 05 Mar 2025 14:23
 Operator : RC/JU
 Sample : Q1488-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-102-SB01

Quant Time: Mar 05 15:08:04 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)

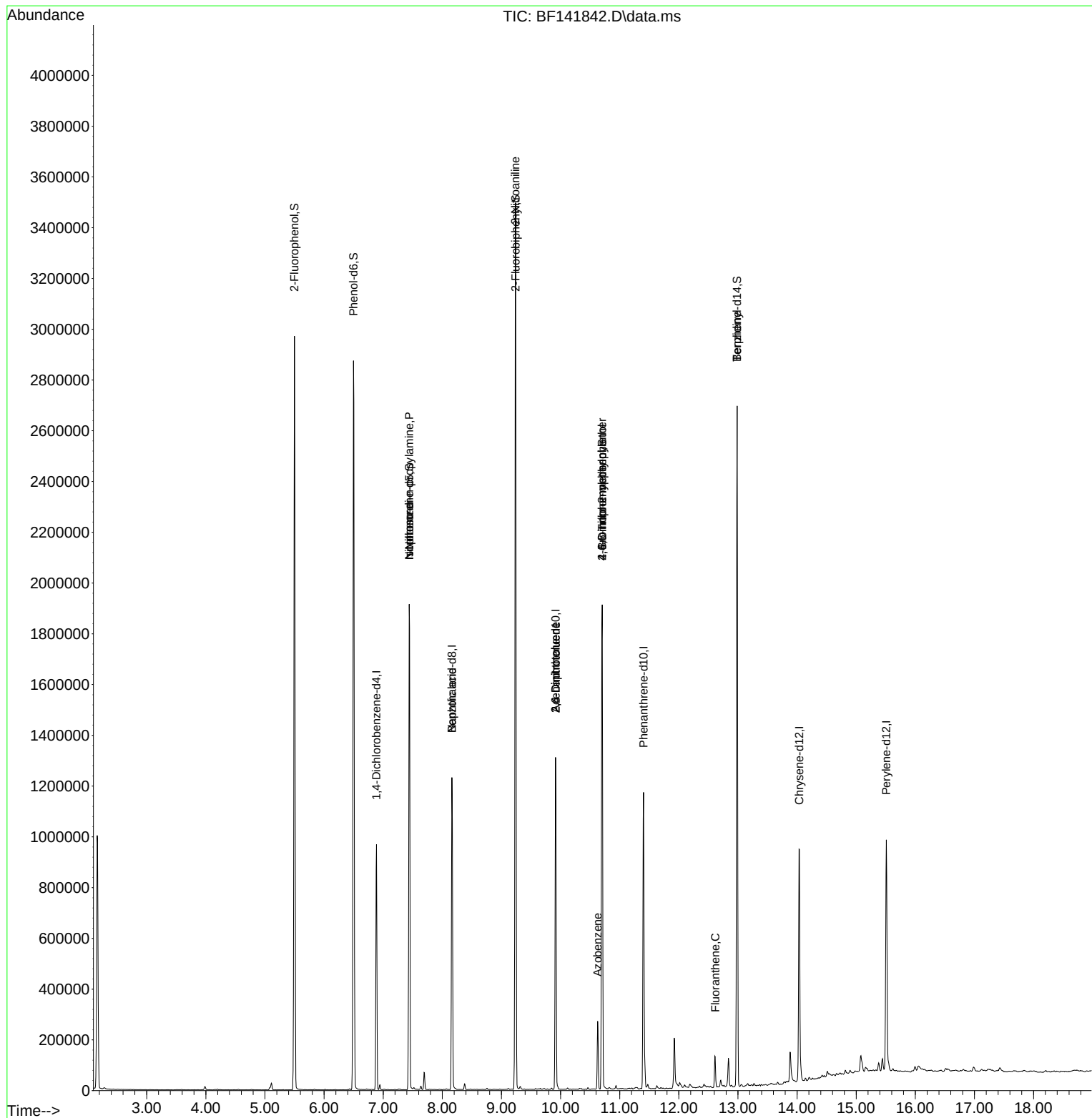
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	199424	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	747735	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	373687	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	582421	20.000	ng	0.00
76) Chrysene-d12	14.039	240	429057	20.000	ng	-0.01
86) Perylene-d12	15.509	264	509930	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1097622	87.898	ng	0.00
7) Phenol-d6	6.498	99	1369174	84.238	ng	-0.01
23) Nitrobenzene-d5	7.439	82	850594	72.713	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	302224	86.147	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1497239	64.245	ng	0.00
79) Terphenyl-d14	12.986	244	1272874	47.998	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	116109	10.867	ng	# 79
25) Isophorone	7.439	82	848220	33.751	ng	# 66
32) Benzoic acid	8.163	122	142	7.706	ng	# 1
48) 2-Nitroaniline	9.233	65	2630	4.755	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	48258	12.315	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	48258	11.172	ng	# 20
63) Azobenzene	10.627	77	65272	2.471	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	798	8.368	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	20574	3.024	ng	# 1
75) Fluoranthene	12.615	202	72012	2.256	ng	96
77) Benzidine	12.986	184	16893	3.128	ng	# 93

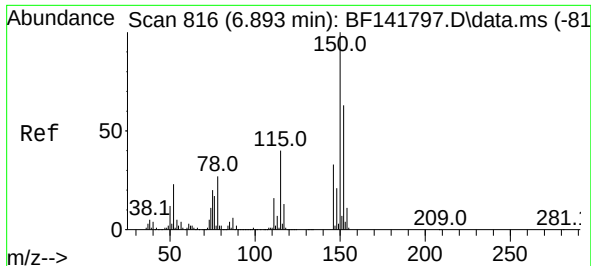
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
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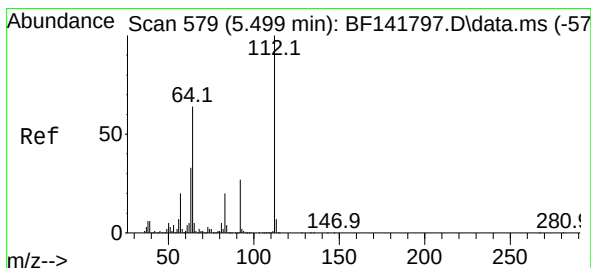
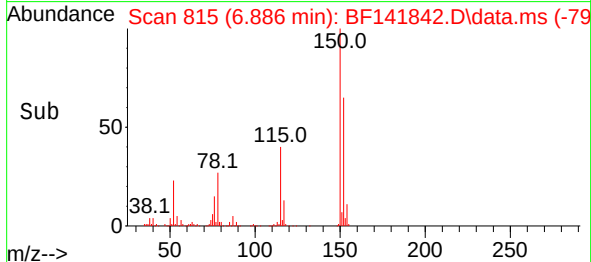
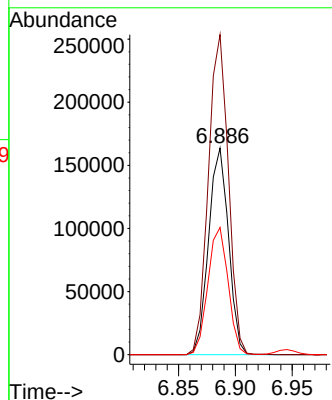
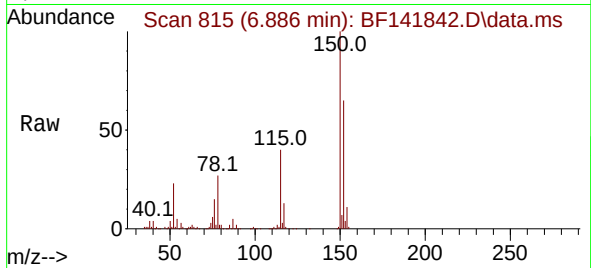




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

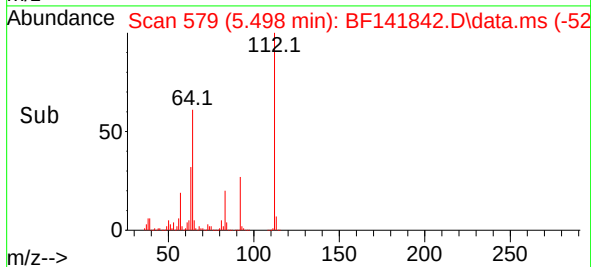
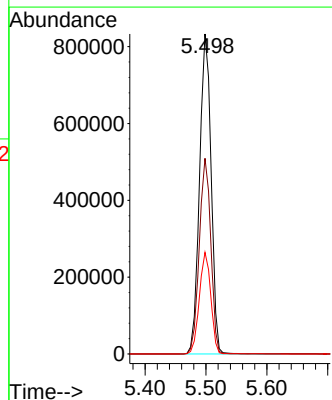
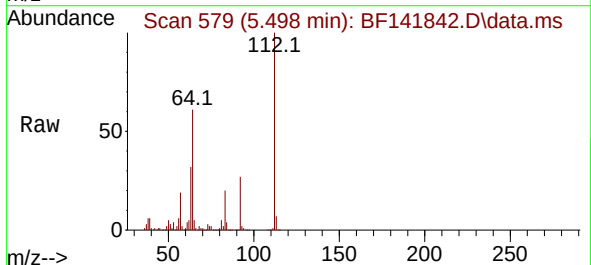
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

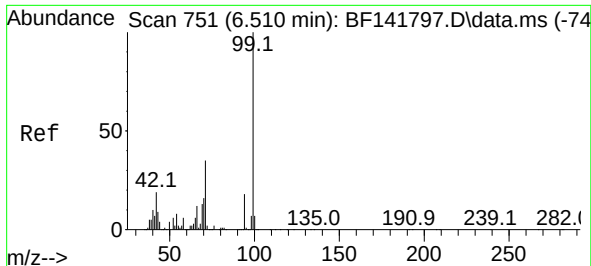
Tgt Ion:152 Resp: 199424
Ion Ratio Lower Upper
152 100
150 155.0 127.5 191.3
115 61.6 51.4 77.2



#5
2-Fluorophenol
Concen: 87.898 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion:112 Resp: 1097622
Ion Ratio Lower Upper
112 100
64 61.2 51.3 76.9
63 31.7 26.2 39.4

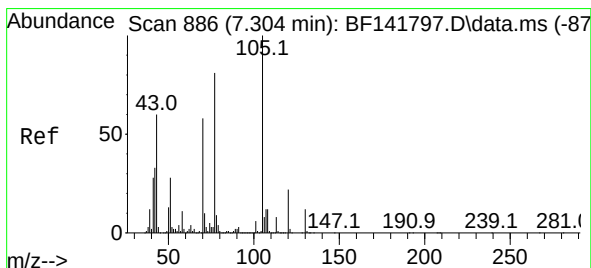
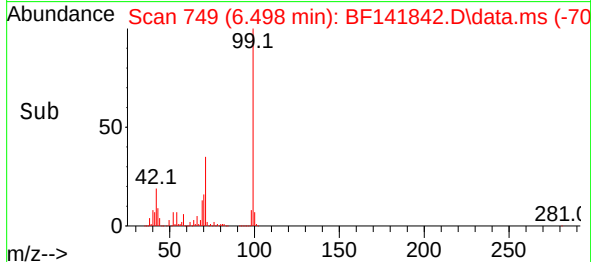
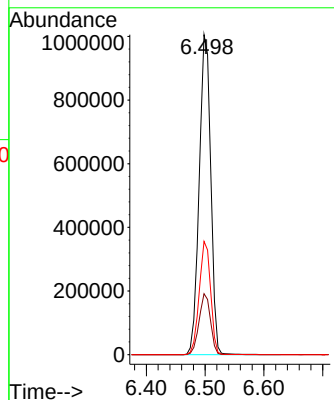
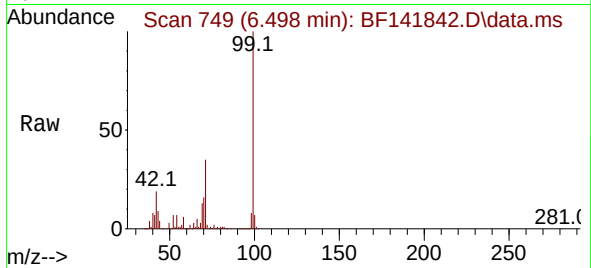




#7
Phenol-d6
Concen: 84.238 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

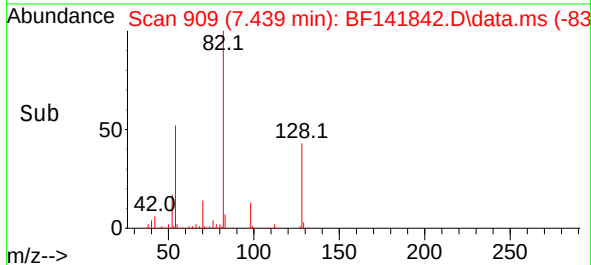
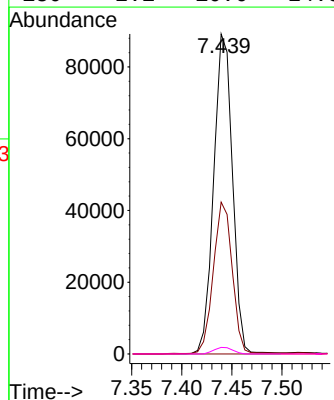
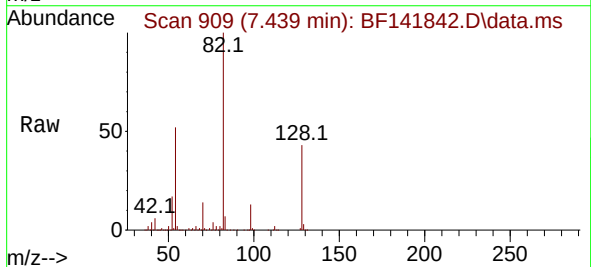
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

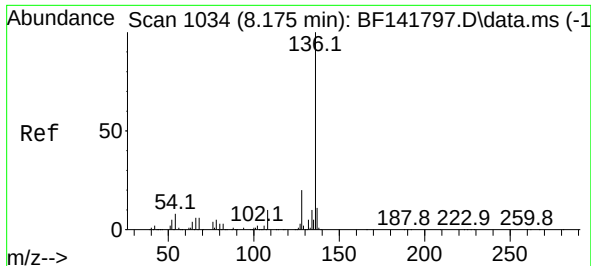
Tgt Ion: 99 Resp: 1369174
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 35.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.867 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion: 70 Resp: 116109
Ion Ratio Lower Upper
70 100
42 47.4 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#

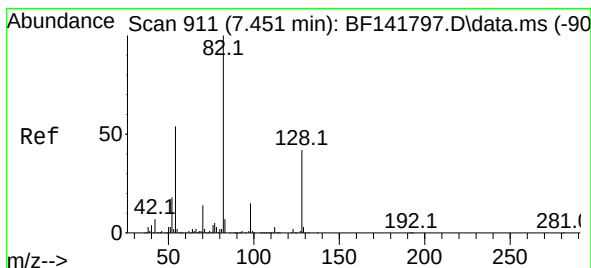
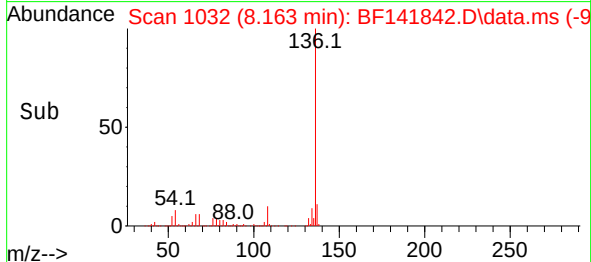
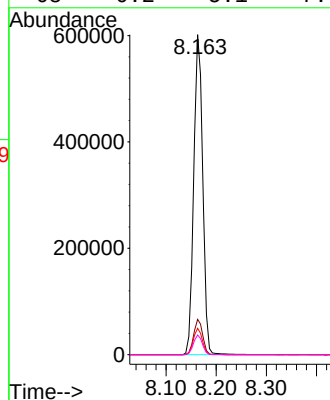
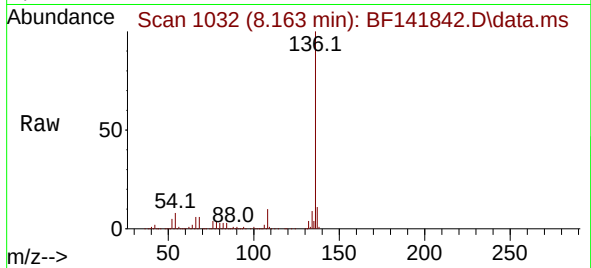




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

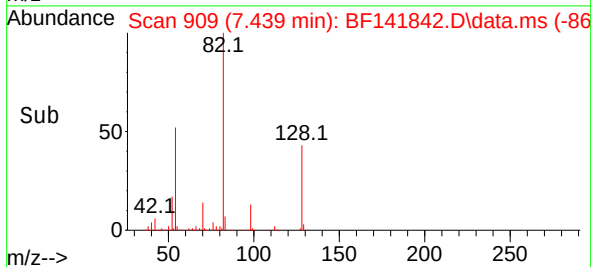
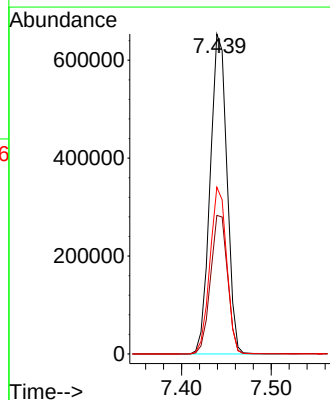
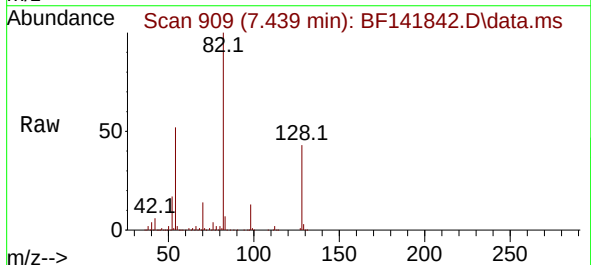
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

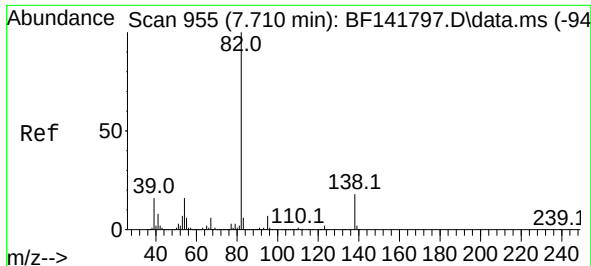
Tgt Ion:136 Resp: 747735
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.3 6.9 10.3
68 6.2 5.1 7.7



#23
Nitrobenzene-d5
Concen: 72.713 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion: 82 Resp: 850594
Ion Ratio Lower Upper
82 100
128 43.3 33.5 50.3
54 52.1 42.7 64.1

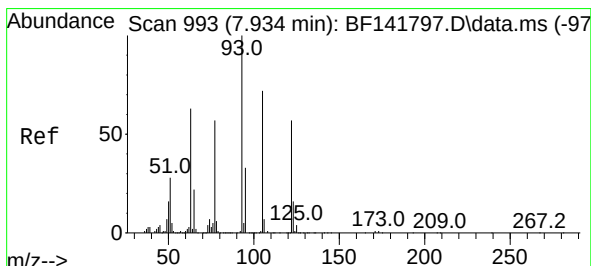
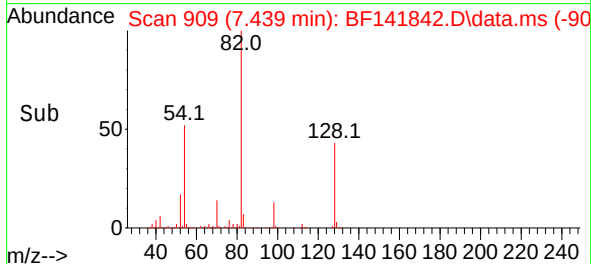
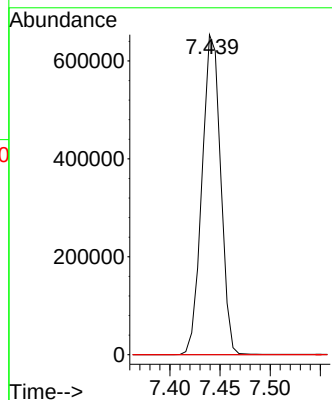
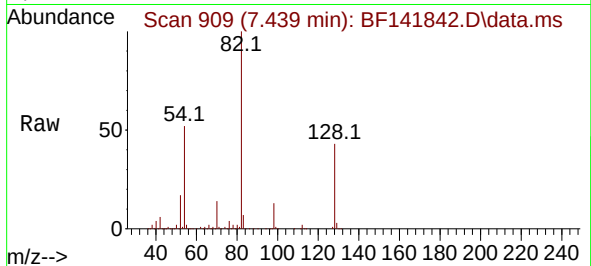




#25
Isophorone
Concen: 33.751 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

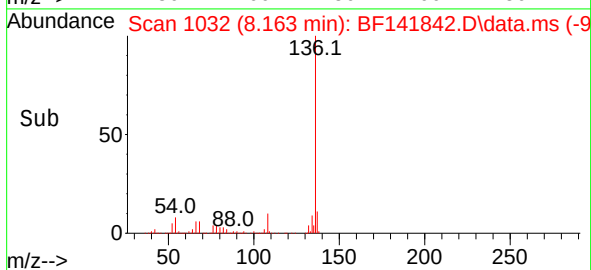
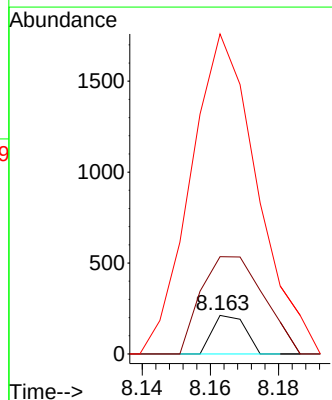
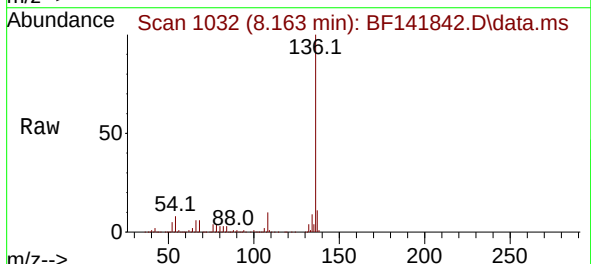
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

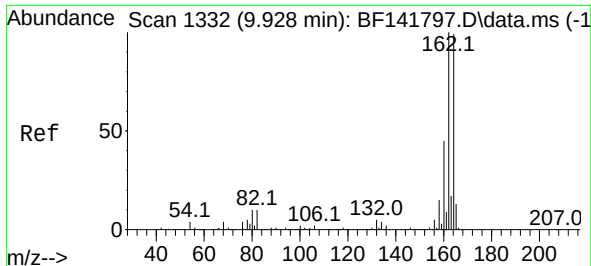
Tgt Ion: 82 Resp: 848220
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.706 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.229 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 252.4 105.8 145.8#
77 830.2 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 141

Delta R.T. -0.012 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

Instrument :

BNA_F

ClientSampleId :

ENV-102-SB01

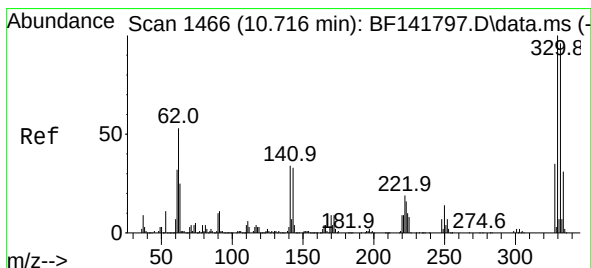
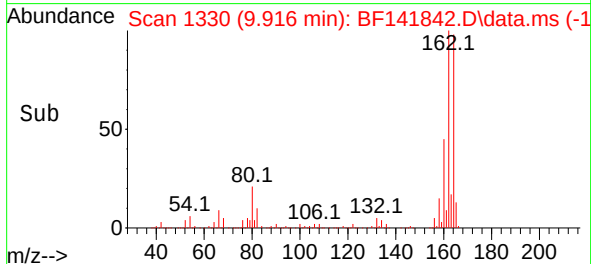
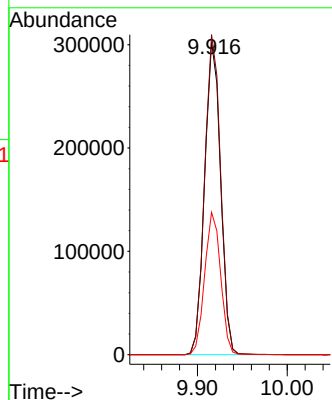
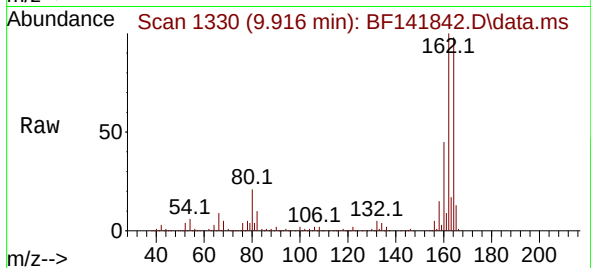
Tgt Ion:164 Resp: 373687

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

160 45.5 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 86.147 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

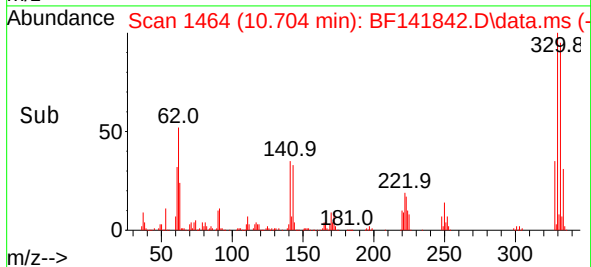
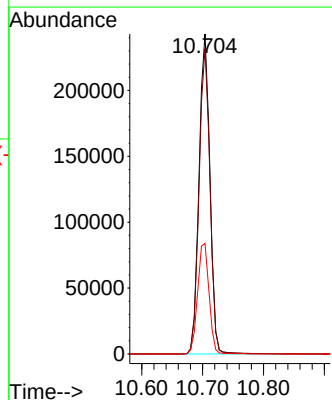
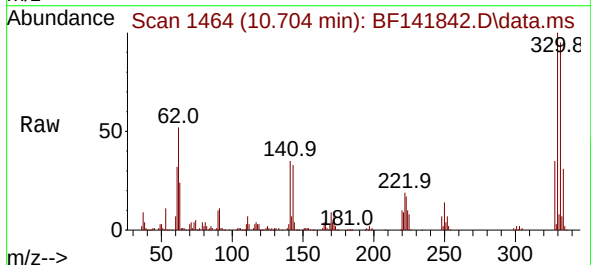
Tgt Ion:330 Resp: 302224

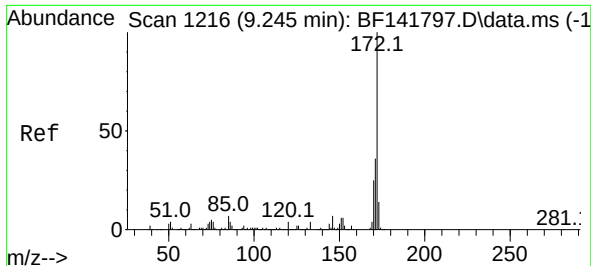
Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

141 36.2 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 64.245 ng

RT: 9.239 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

Instrument :

BNA_F

ClientSampleId :

ENV-102-SB01

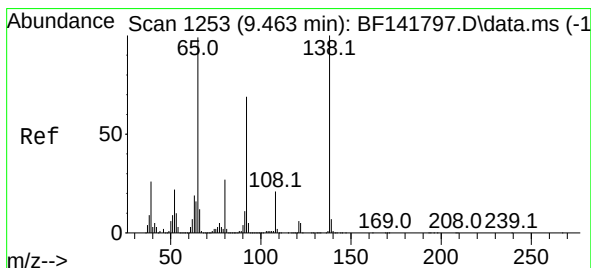
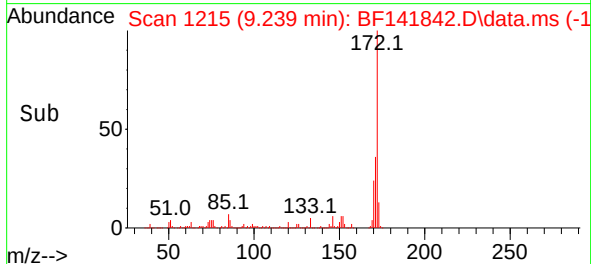
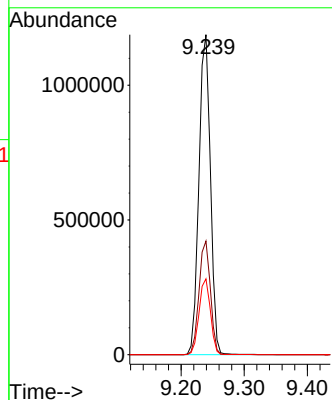
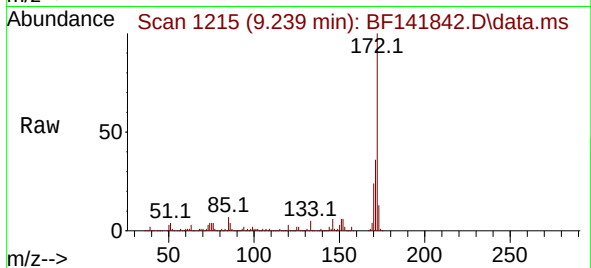
Tgt Ion:172 Resp: 1497239

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.7 19.7 29.5



#48

2-Nitroaniline

Concen: 4.755 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.230 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

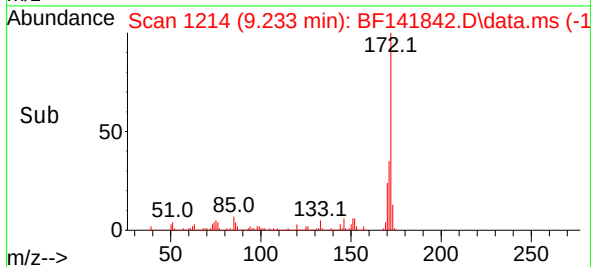
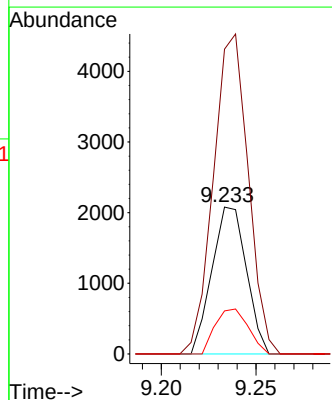
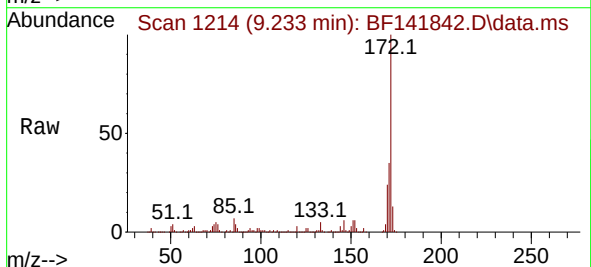
Tgt Ion: 65 Resp: 2630

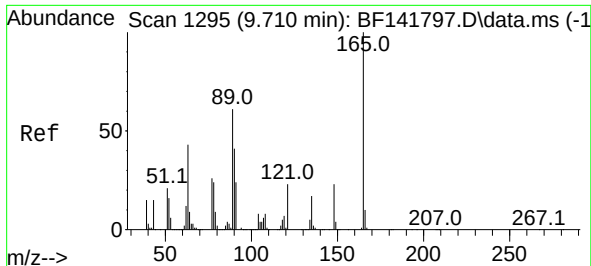
Ion Ratio Lower Upper

65 100

92 207.5 55.7 83.5#

138 29.3 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.315 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

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ENV-102-SB01

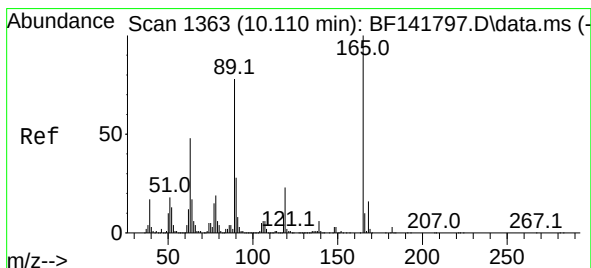
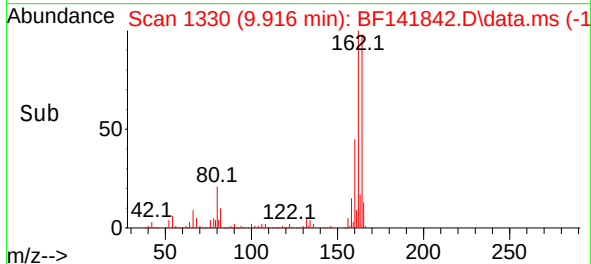
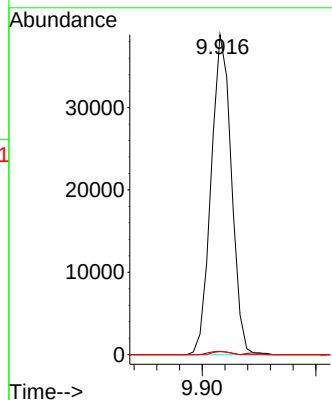
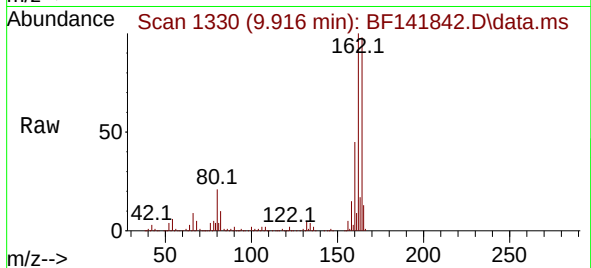
Tgt Ion:165 Resp: 48258

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.0 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 11.172 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

Tgt Ion:165 Resp: 48258

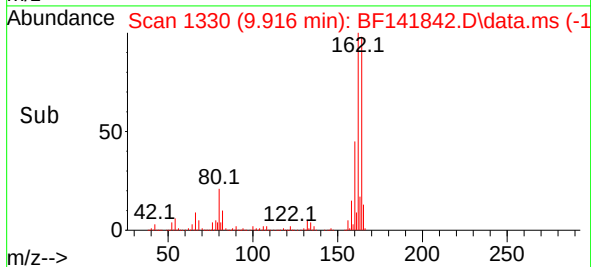
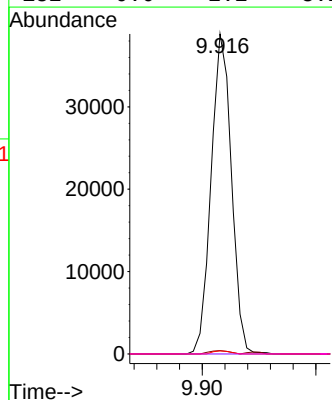
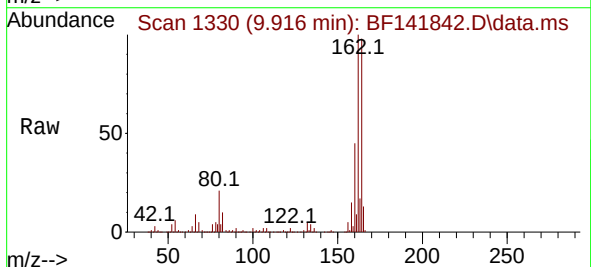
Ion Ratio Lower Upper

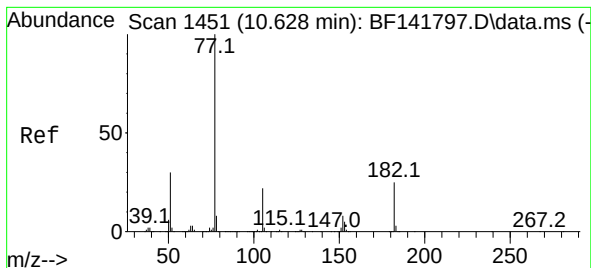
165 100

63 1.1 38.8 58.2#

89 1.0 62.6 94.0#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.471 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

Instrument :

BNA_F

ClientSampleId :

ENV-102-SB01

Tgt Ion: 77 Resp: 65272

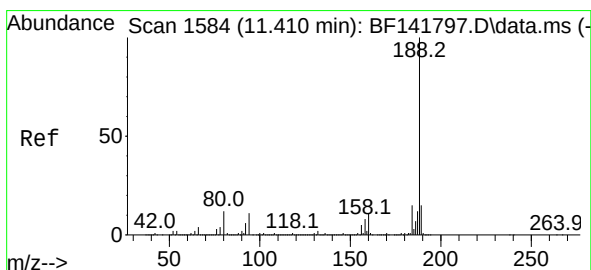
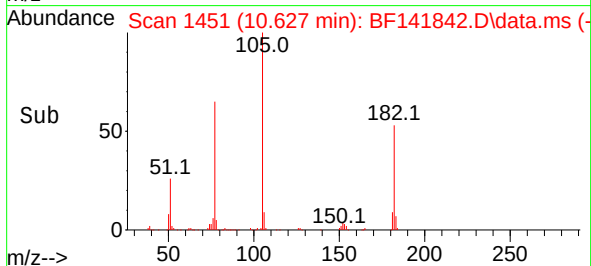
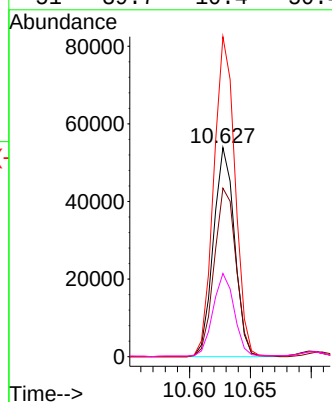
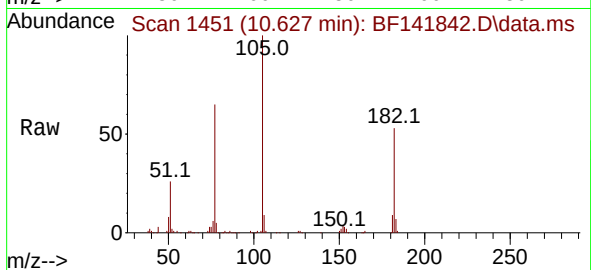
Ion Ratio Lower Upper

77 100

182 80.6 4.2 44.2#

105 153.0 1.5 41.5#

51 39.7 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141842.D

Acq: 05 Mar 2025 14:23

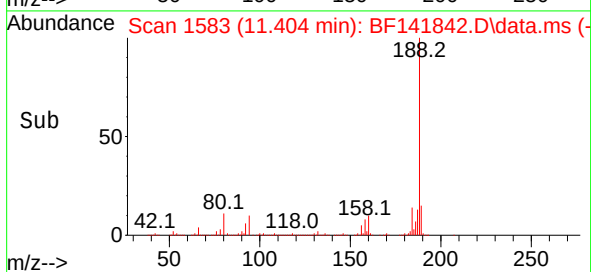
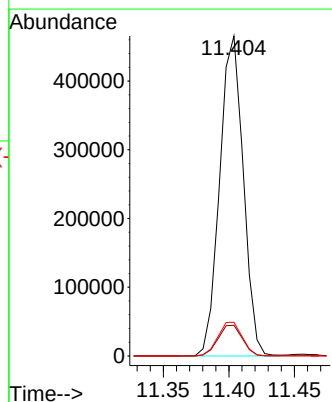
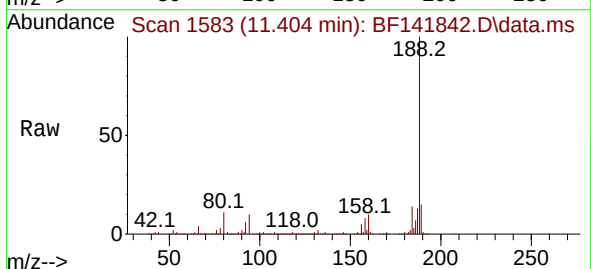
Tgt Ion: 188 Resp: 582421

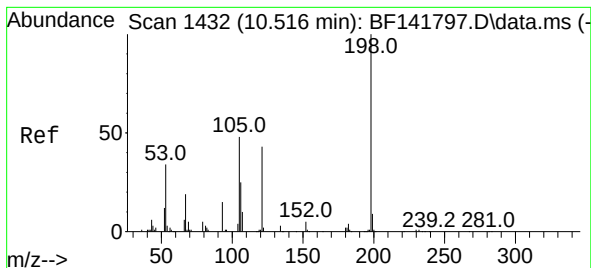
Ion Ratio Lower Upper

188 100

94 9.6 8.9 13.3

80 10.5 9.7 14.5

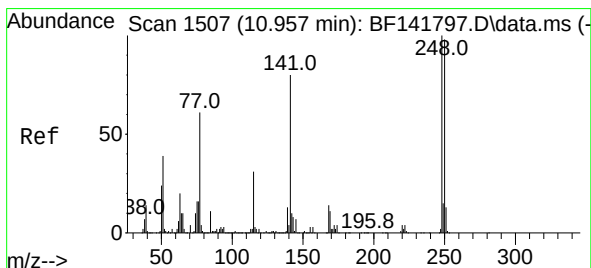
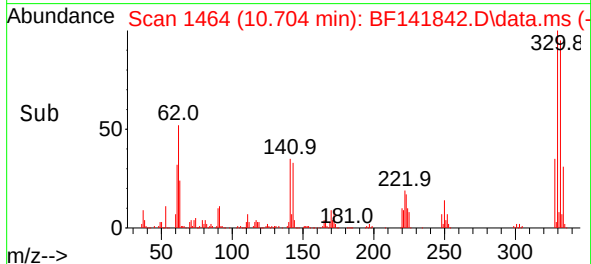
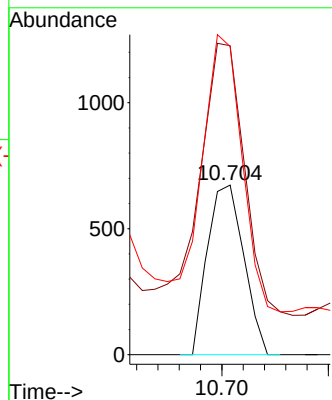
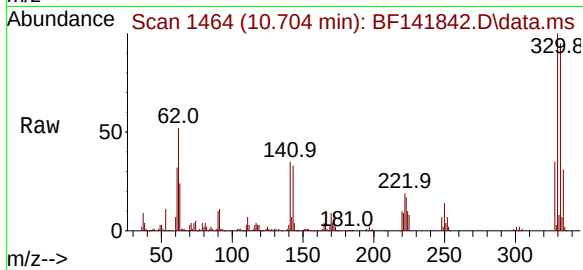




#65
4,6-Dinitro-2-methylphenol
Concen: 8.368 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

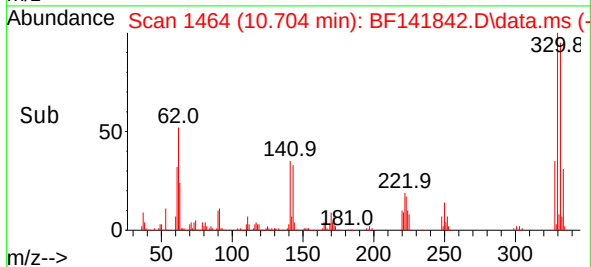
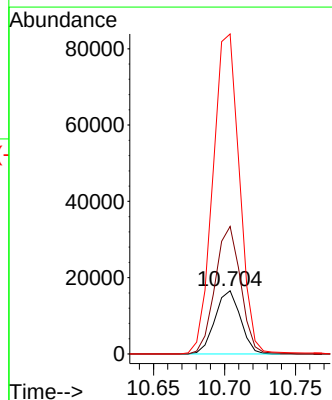
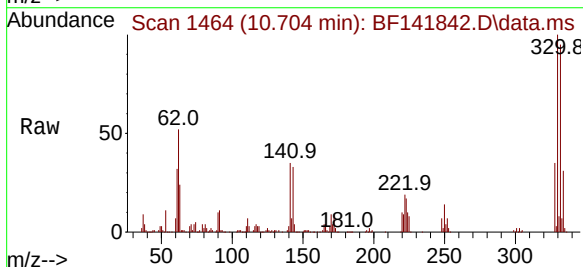
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

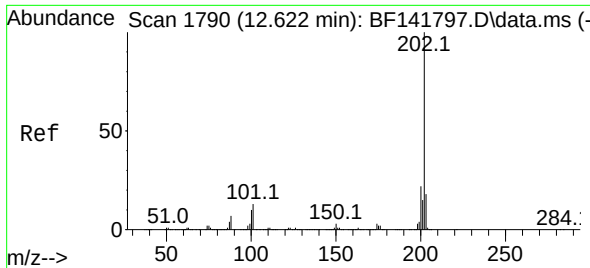
Tgt Ion:198 Resp: 798
Ion Ratio Lower Upper
198 100
51 182.2 32.1 72.1#
105 181.7 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion:248 Resp: 20574
Ion Ratio Lower Upper
248 100
250 201.9 78.1 117.1#
141 506.5 64.3 96.5#

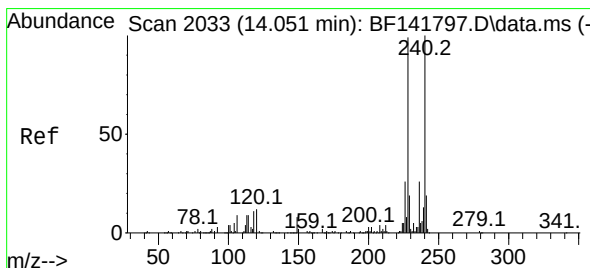
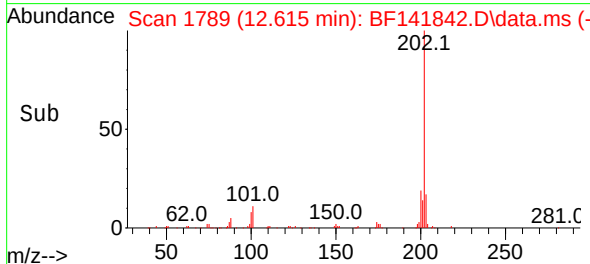
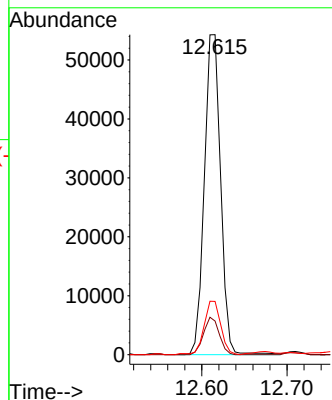
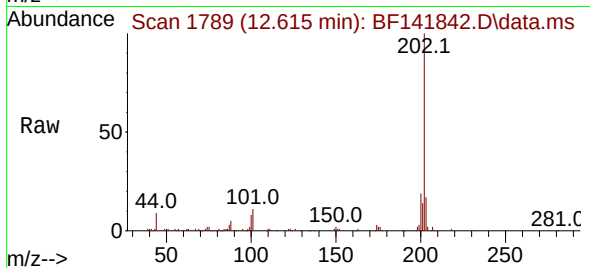




#75
Fluoranthene
Concen: 2.256 ng
RT: 12.615 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

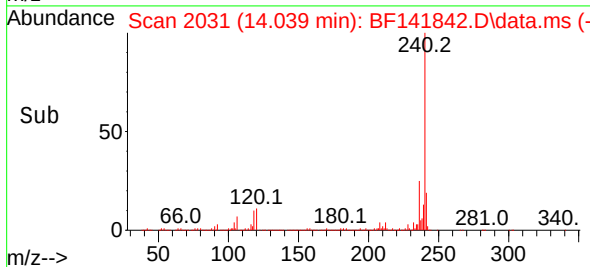
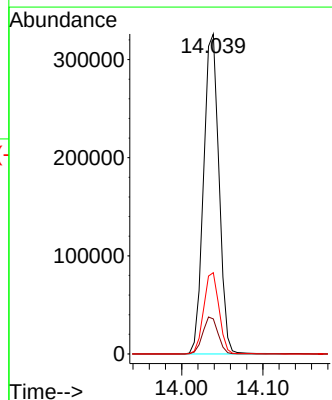
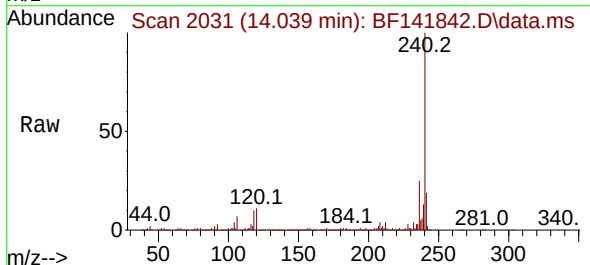
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

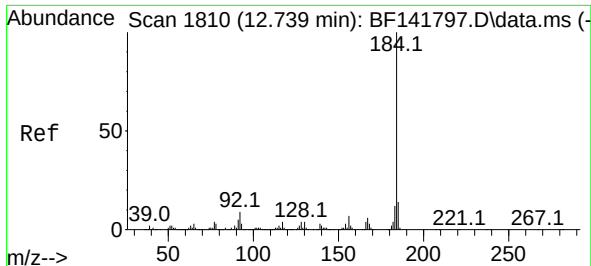
Tgt Ion:202 Resp: 72012
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.8
203 16.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion:240 Resp: 429057
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 25.4 21.0 31.4

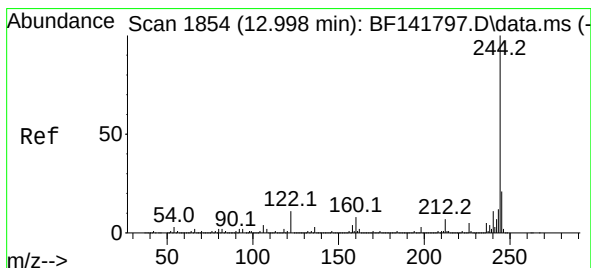
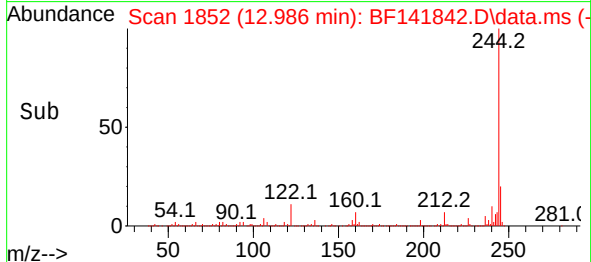
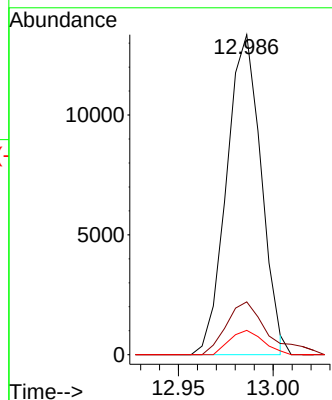
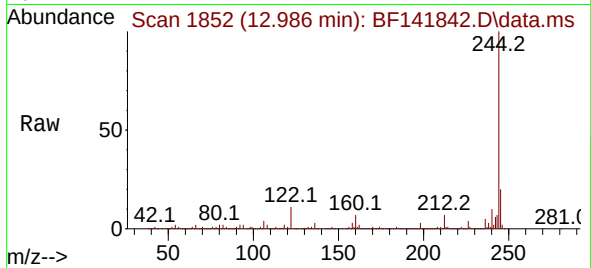




#77
Benzidine
Concen: 3.128 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

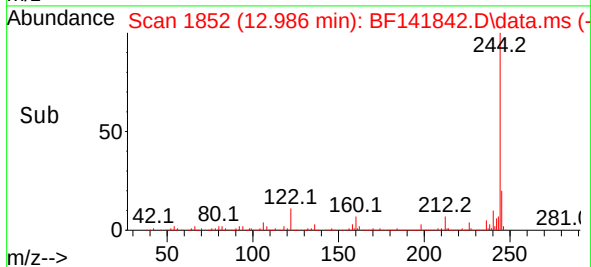
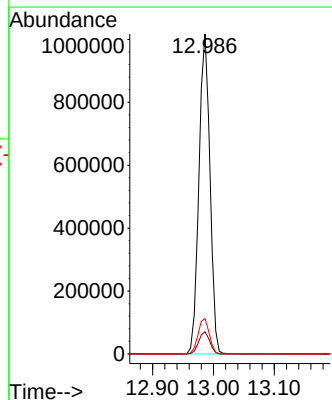
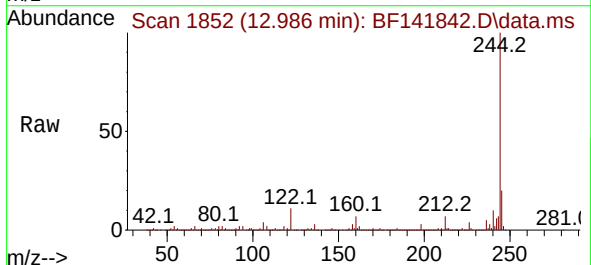
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB01

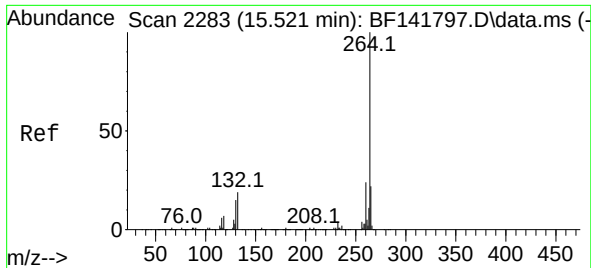
Tgt Ion:184 Resp: 16893
Ion Ratio Lower Upper
184 100
185 16.5 11.6 17.4
183 7.6 9.4 14.0#



#79
Terphenyl-d14
Concen: 47.998 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141842.D
Acq: 05 Mar 2025 14:23

Tgt Ion:244 Resp: 1272874
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 11.0 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141842.D

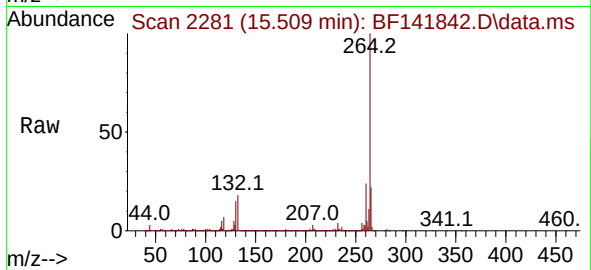
Acq: 05 Mar 2025 14:23

Instrument :

BNA_F

ClientSampleId :

ENV-102-SB01



Tgt Ion:264 Resp: 509930

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.0 17.4 26.0

