

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141847.D
 Acq On : 05 Mar 2025 16:50
 Operator : RC/JU
 Sample : Q1488-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB02

Quant Time: Mar 05 17:10:32 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)

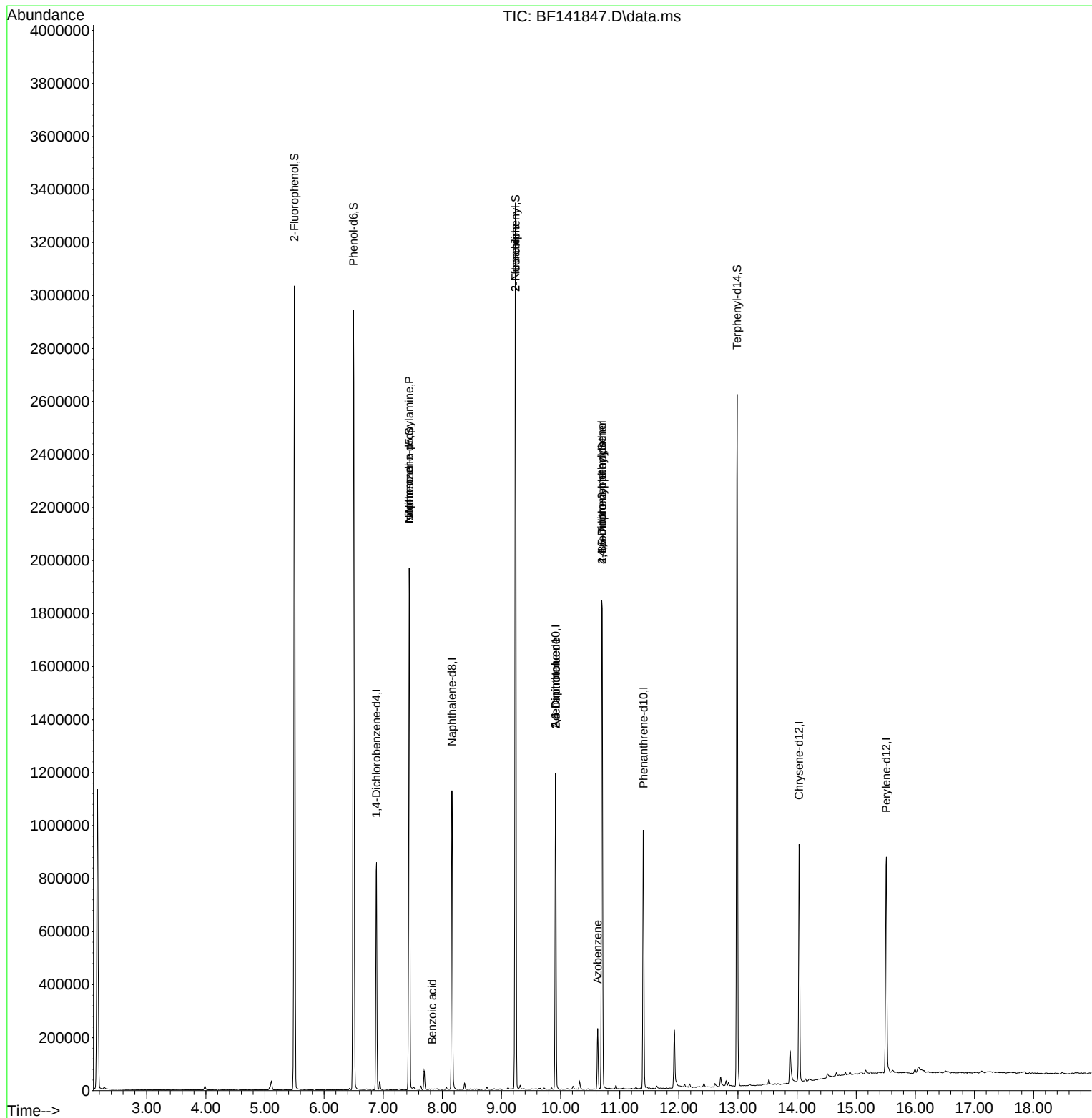
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	181202	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	685861	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	338318	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	507852	20.000	ng	0.00
76) Chrysene-d12	14.033	240	419765	20.000	ng	-0.02
86) Perylene-d12	15.509	264	463489	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1128338	99.444	ng	0.00
7) Phenol-d6	6.498	99	1397485	94.626	ng	-0.01
23) Nitrobenzene-d5	7.439	82	871593	81.230	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	305614	96.220	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1472330	69.781	ng	0.00
79) Terphenyl-d14	12.986	244	1233851	47.557	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	117568	12.110	ng	# 79
25) Isophorone	7.439	82	867124	37.616	ng	# 66
32) Benzoic acid	7.828	122	785	7.784	ng	97
48) 2-Nitroaniline	9.233	65	2604	4.794	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	43626	12.301	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	43626	11.160	ng	# 20
63) Azobenzene	10.627	77	56489	2.362	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	713	8.374	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	21055	3.549	ng	# 1

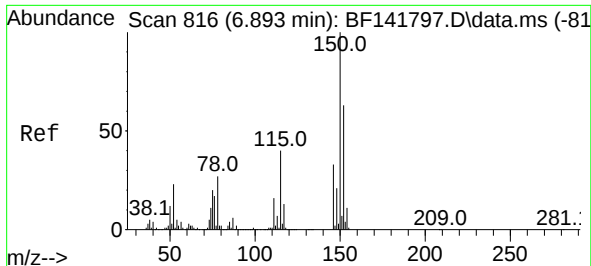
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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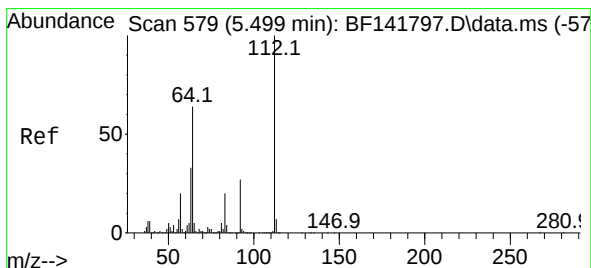
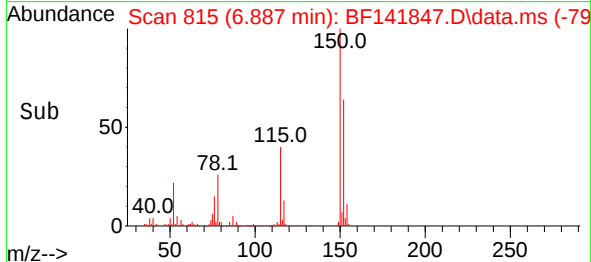
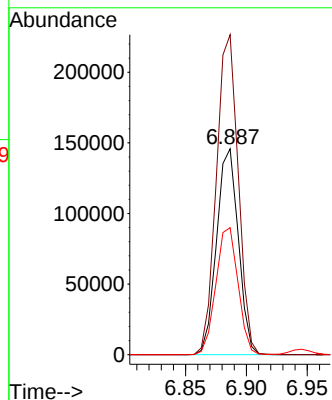
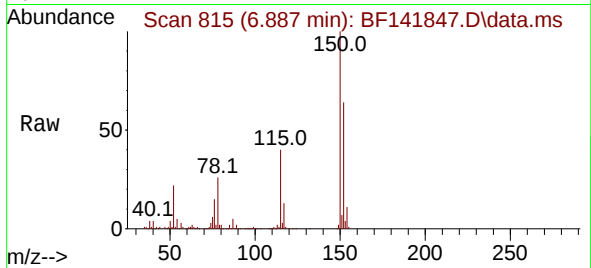




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

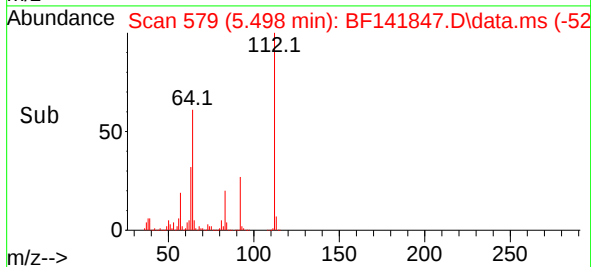
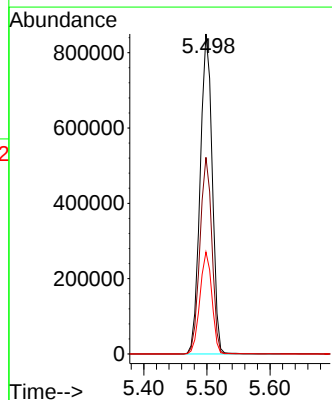
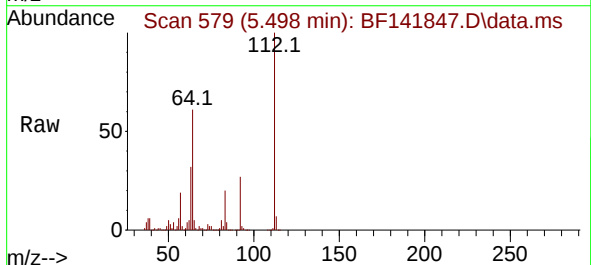
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

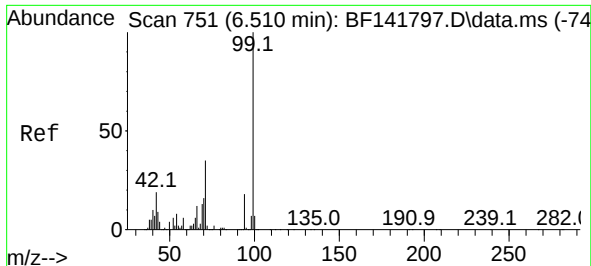
Tgt Ion:152 Resp: 181202
Ion Ratio Lower Upper
152 100
150 155.4 127.5 191.3
115 61.7 51.4 77.2



#5
2-Fluorophenol
Concen: 99.444 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion:112 Resp: 1128338
Ion Ratio Lower Upper
112 100
64 61.4 51.3 76.9
63 31.9 26.2 39.4

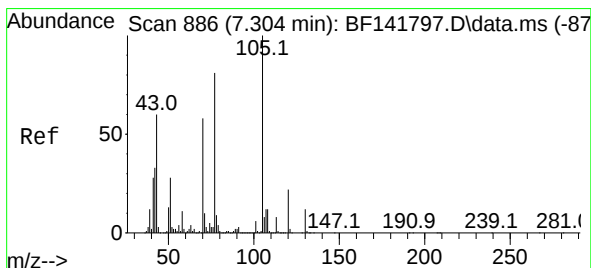
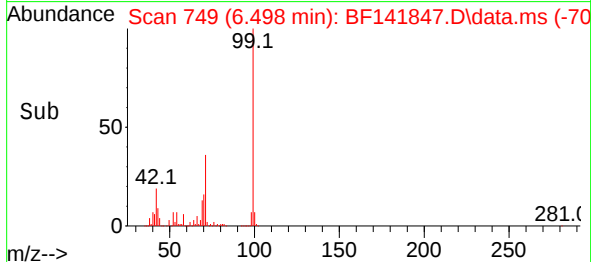
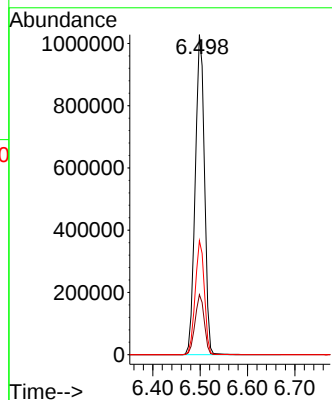
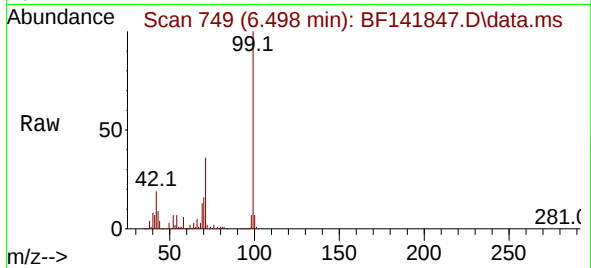




#7
Phenol-d6
Concen: 94.626 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

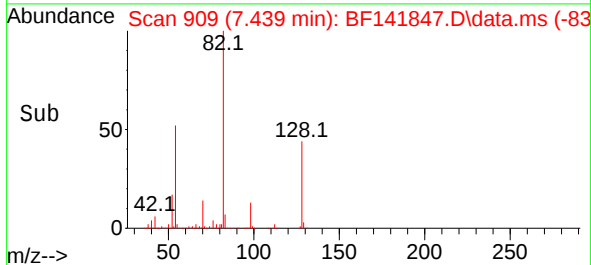
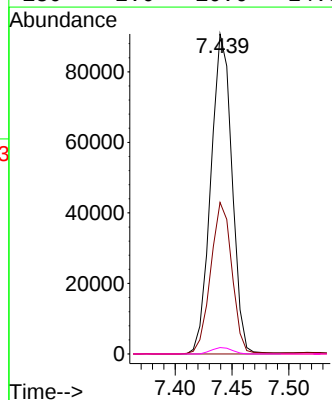
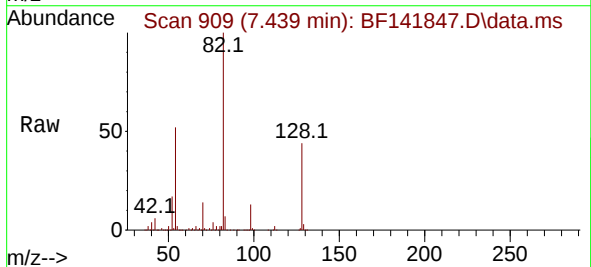
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

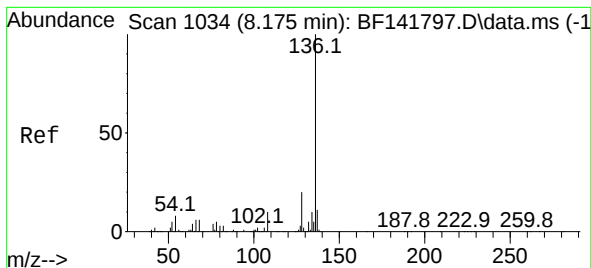
Tgt Ion: 99 Resp: 1397485
Ion Ratio Lower Upper
99 100
42 18.7 15.2 22.8
71 35.6 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.110 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion: 70 Resp: 117568
Ion Ratio Lower Upper
70 100
42 47.4 45.4 68.0
101 0.0 7.8 11.8#
130 2.0 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: BF141847.D

Acq: 05 Mar 2025 16:50

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB02

Tgt Ion:136 Resp: 685861

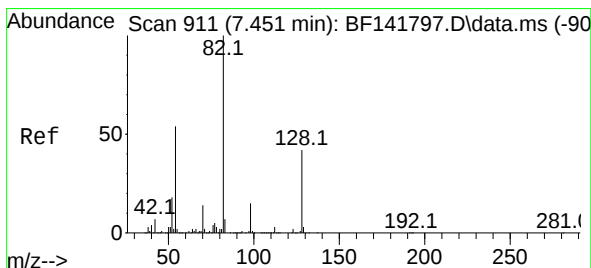
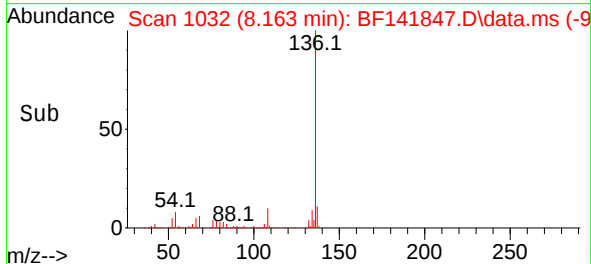
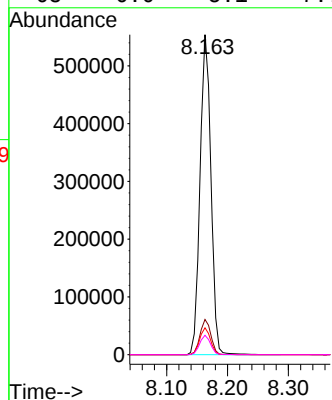
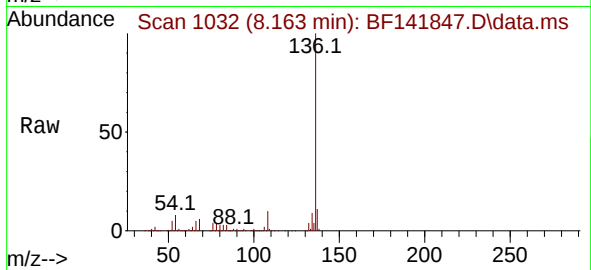
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 6.9 10.3

68 6.0 5.1 7.7



#23

Nitrobenzene-d5

Concen: 81.230 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141847.D

Acq: 05 Mar 2025 16:50

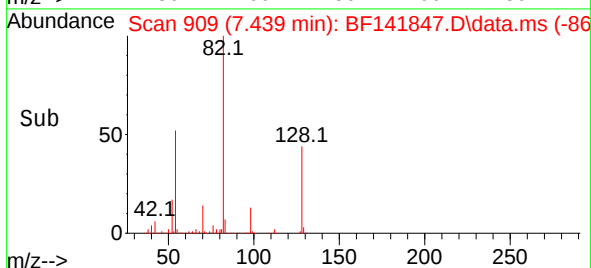
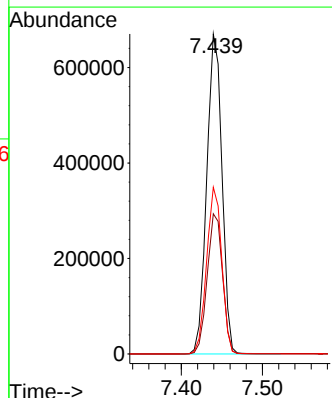
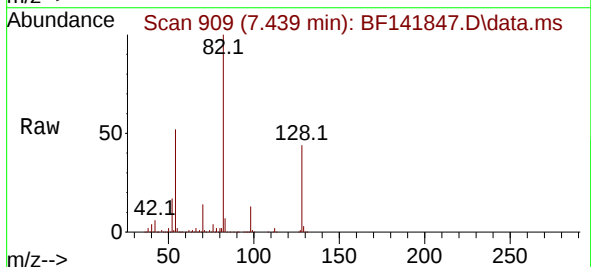
Tgt Ion: 82 Resp: 871593

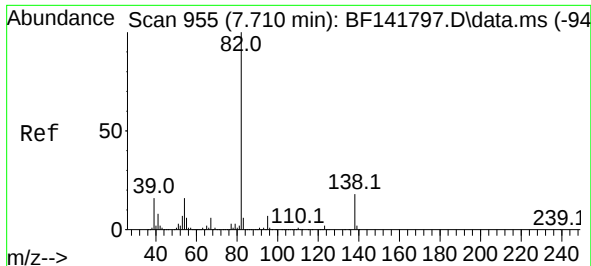
Ion Ratio Lower Upper

82 100

128 43.8 33.5 50.3

54 52.1 42.7 64.1

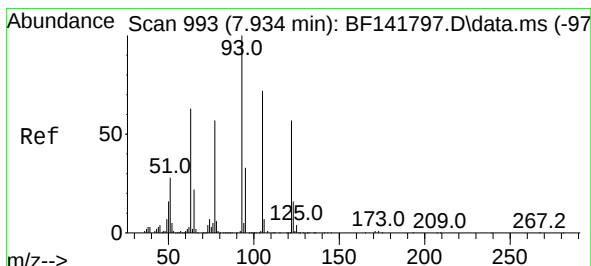
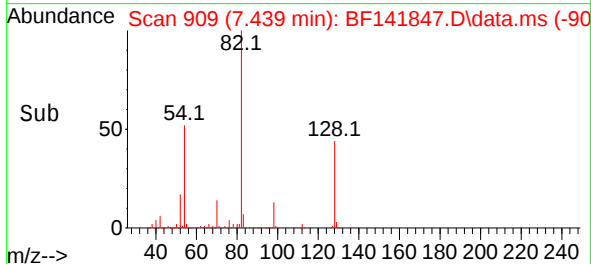
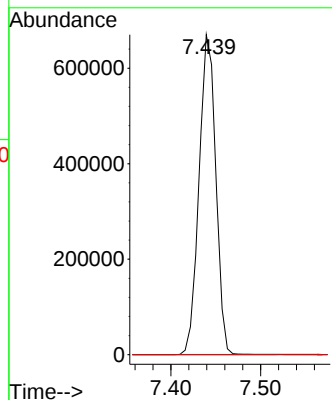
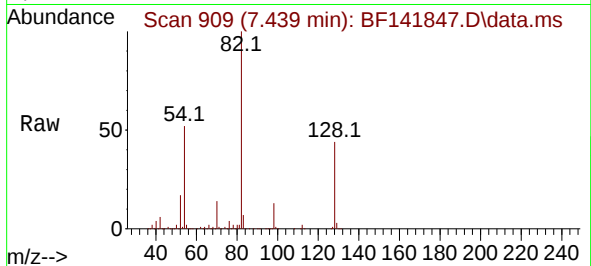




#25
Isophorone
Concen: 37.616 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

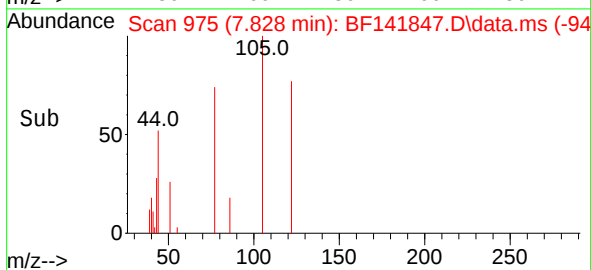
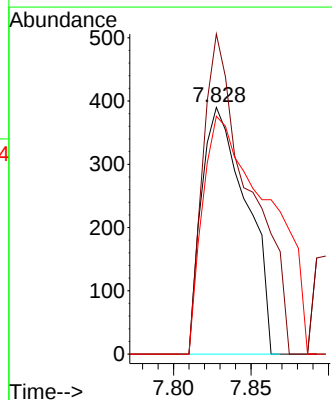
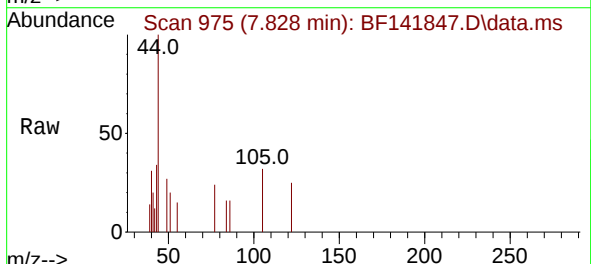
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

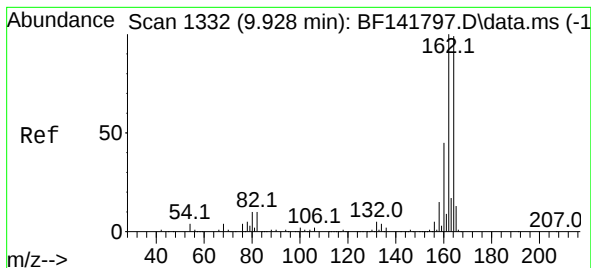
Tgt Ion: 82 Resp: 867124
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.784 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion:122 Resp: 785
Ion Ratio Lower Upper
122 100
105 129.7 105.8 145.8
77 96.4 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: BF141847.D

Acq: 05 Mar 2025 16:50

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB02

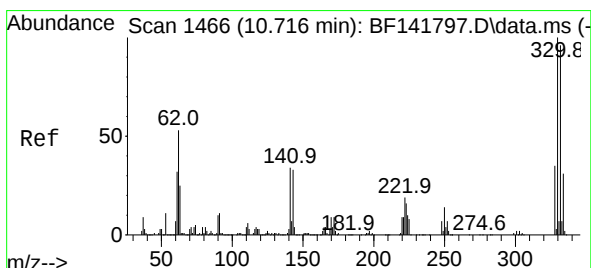
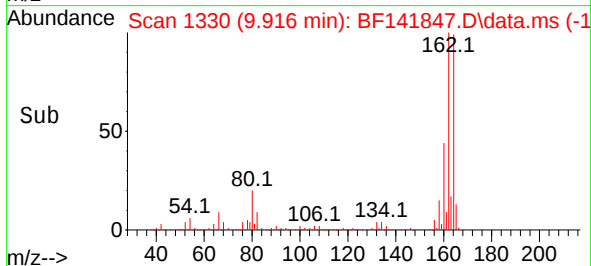
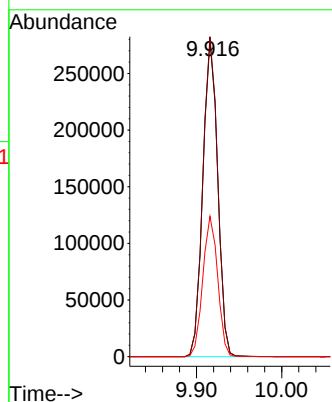
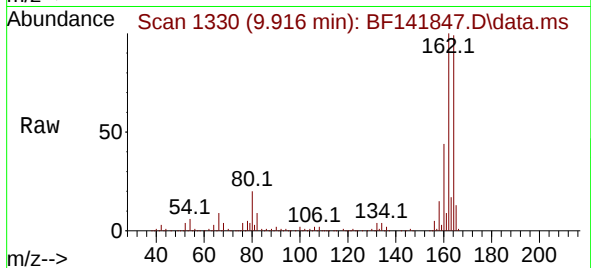
Tgt Ion:164 Resp: 338318

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 44.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 96.220 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141847.D

Acq: 05 Mar 2025 16:50

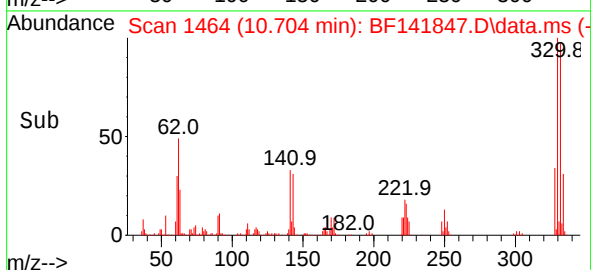
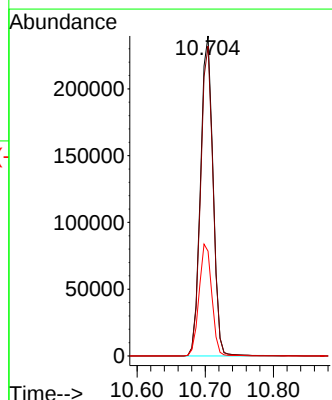
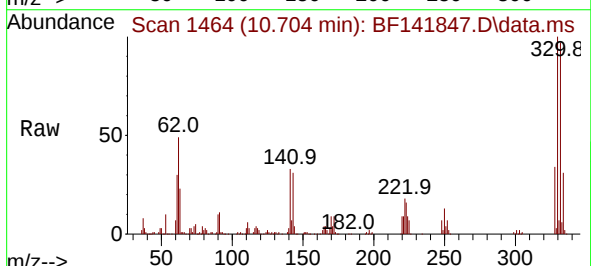
Tgt Ion:330 Resp: 305614

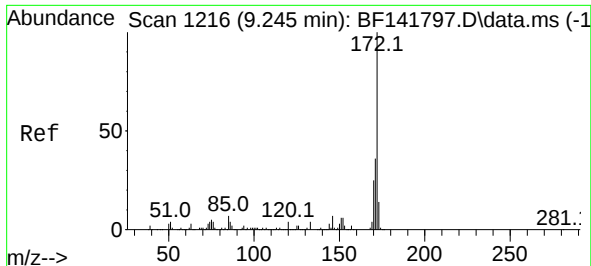
Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 35.5 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 69.781 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141847.D

Acq: 05 Mar 2025 16:50

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB02

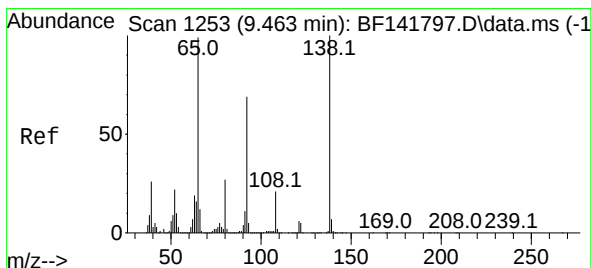
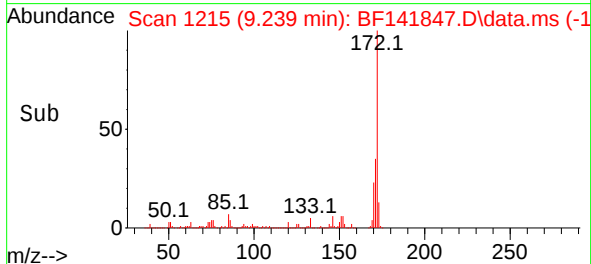
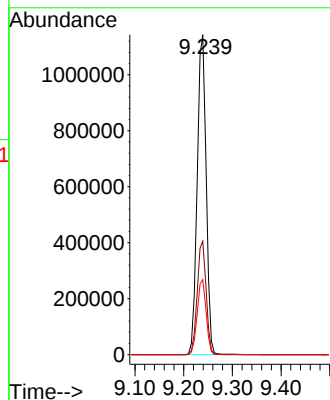
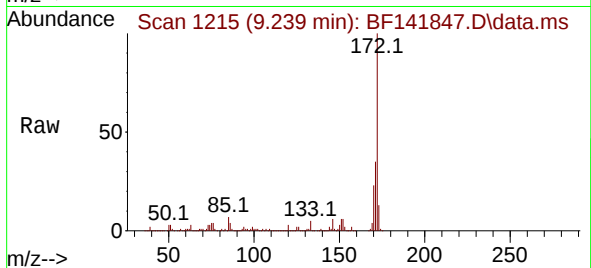
Tgt Ion:172 Resp: 1472330

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

170 23.4 19.7 29.5



#48

2-Nitroaniline

Concen: 4.794 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.230 min

Lab File: BF141847.D

Acq: 05 Mar 2025 16:50

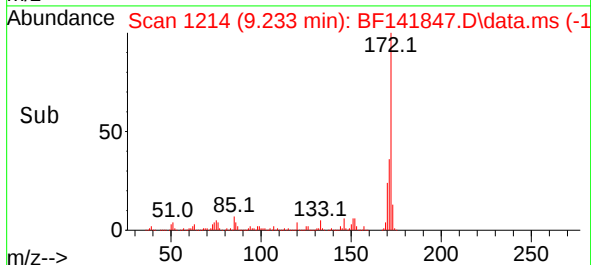
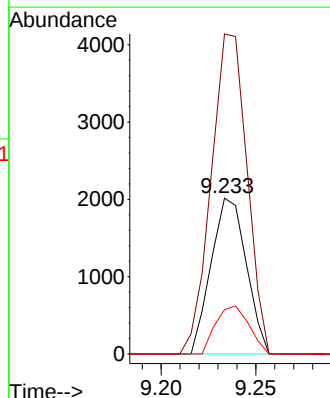
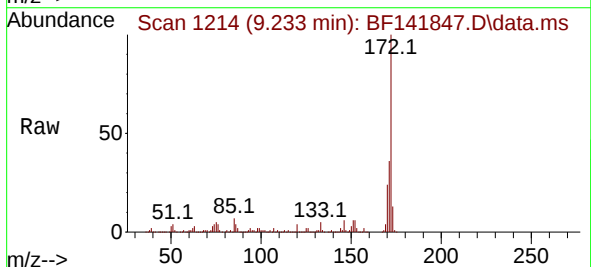
Tgt Ion: 65 Resp: 2604

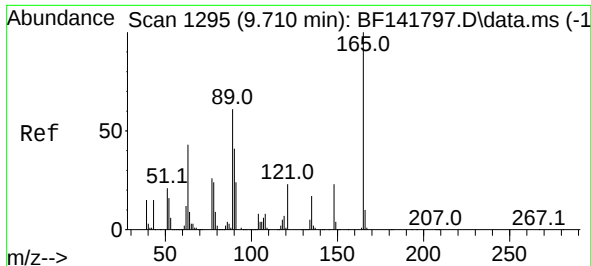
Ion Ratio Lower Upper

65 100

92 205.3 55.7 83.5#

138 28.4 80.6 121.0#

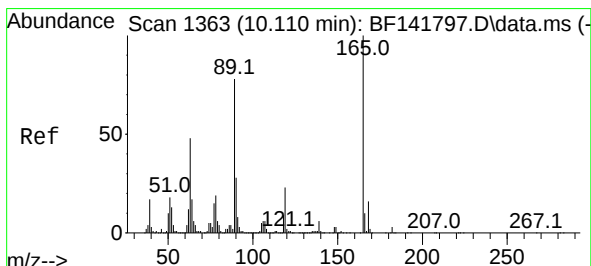
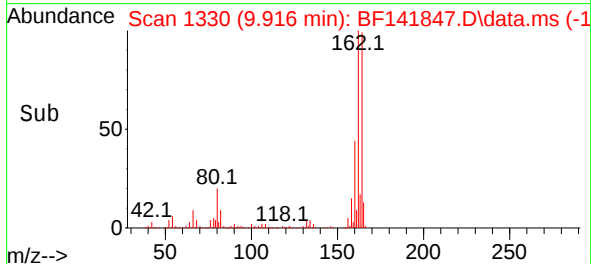
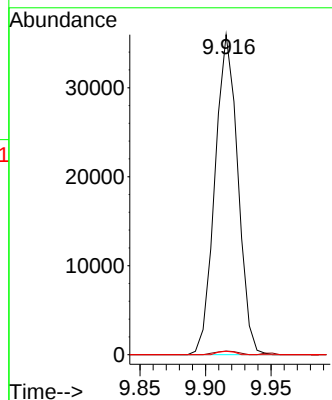
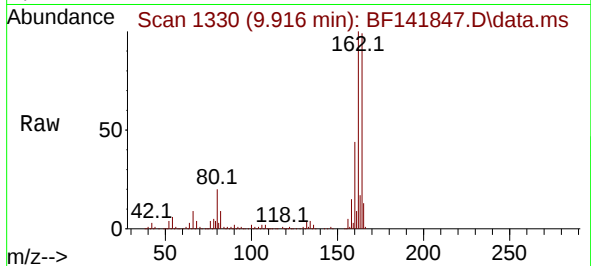




#51
2,6-Dinitrotoluene
Concen: 12.301 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

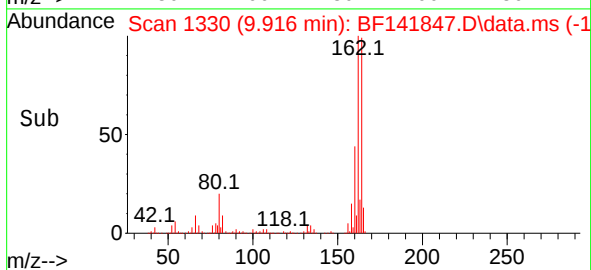
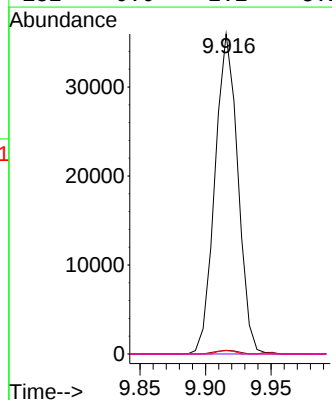
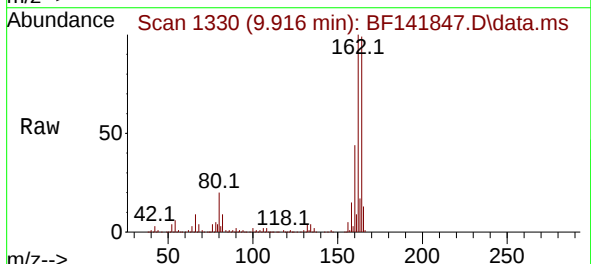
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

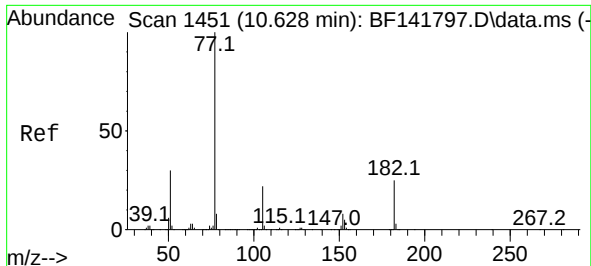
Tgt Ion:165 Resp: 43626
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.0 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 11.160 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion:165 Resp: 43626
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#

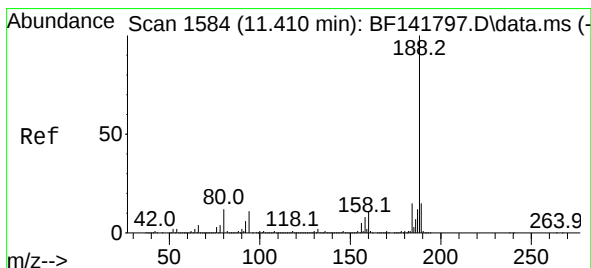
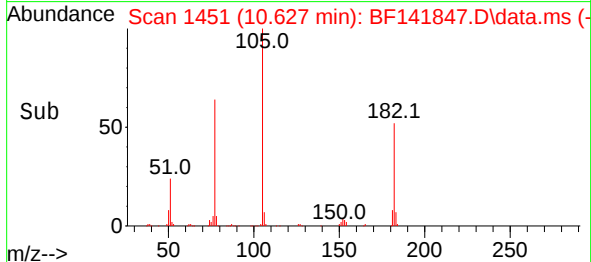
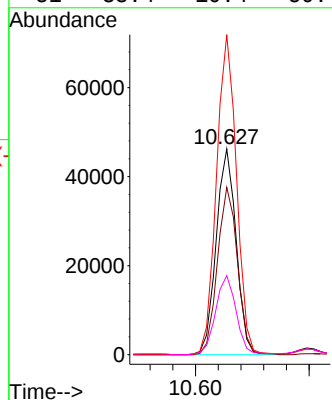
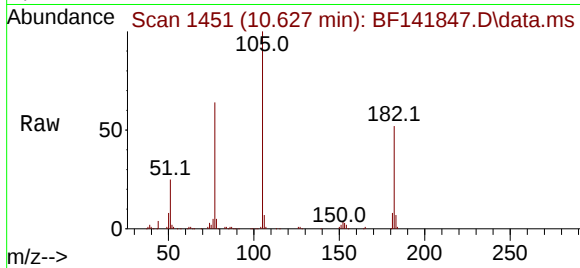




#63
 Azobenzene
 Concen: 2.362 ng
 RT: 10.627 min Scan# 1451
 Delta R.T. -0.000 min
 Lab File: BF141847.D
 Acq: 05 Mar 2025 16:50

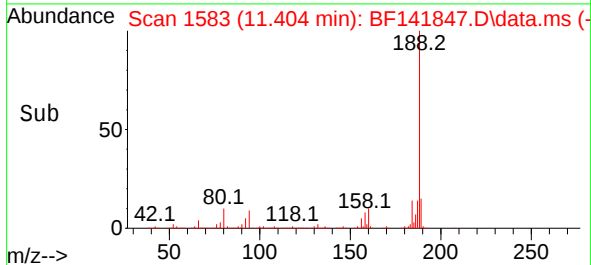
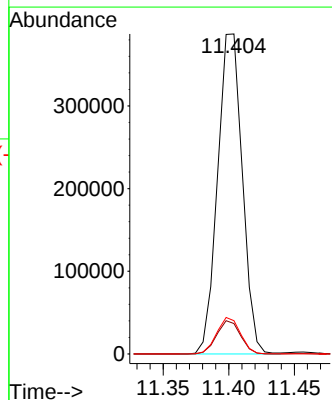
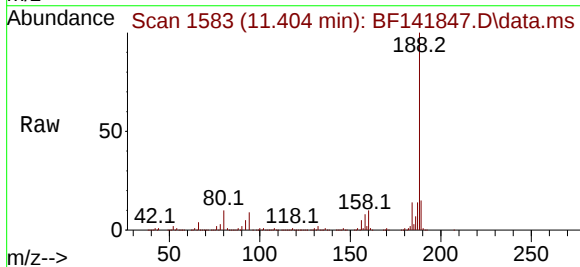
Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB02

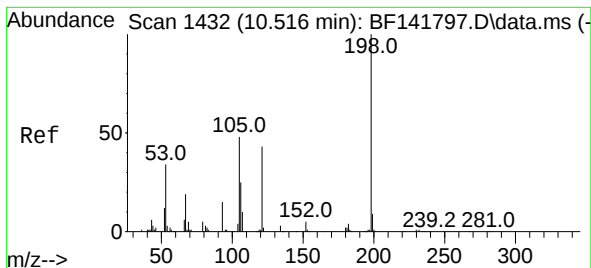
Tgt Ion: 77	Resp: 56489
Ion Ratio	Lower Upper
77 100	
182 81.4	4.2 44.2#
105 155.5	1.5 41.5#
51 38.4	10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1583
 Delta R.T. -0.006 min
 Lab File: BF141847.D
 Acq: 05 Mar 2025 16:50

Tgt Ion: 188	Resp: 507852
Ion Ratio	Lower Upper
188 100	
94 9.5	8.9 13.3
80 10.4	9.7 14.5

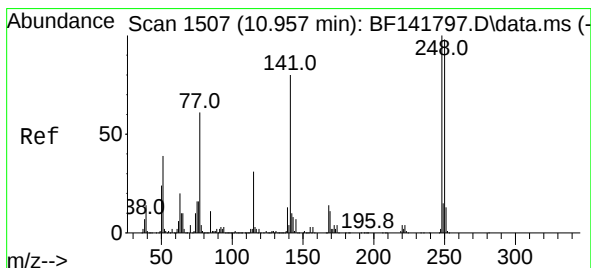
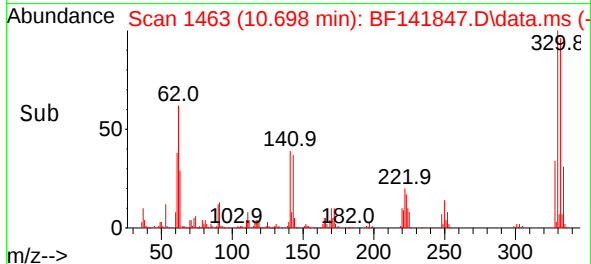
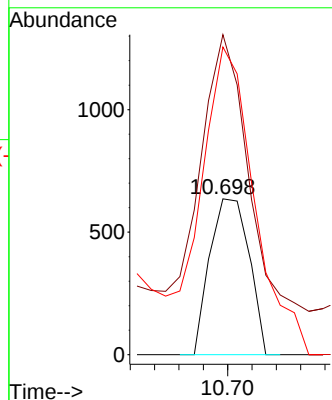
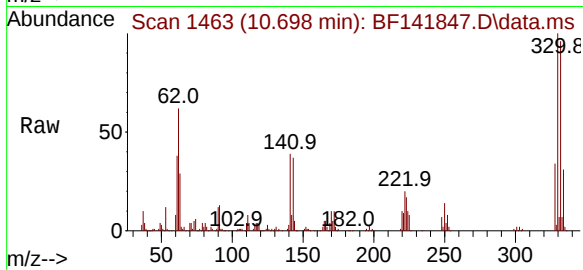




#65
4,6-Dinitro-2-methylphenol
Concen: 8.374 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

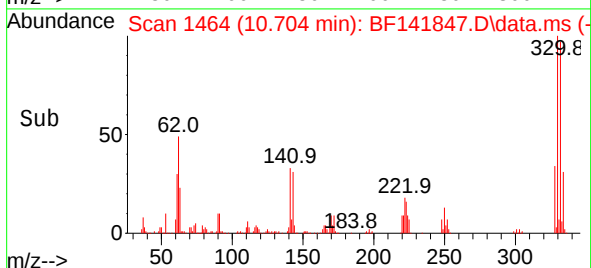
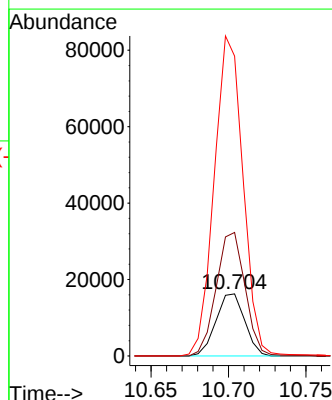
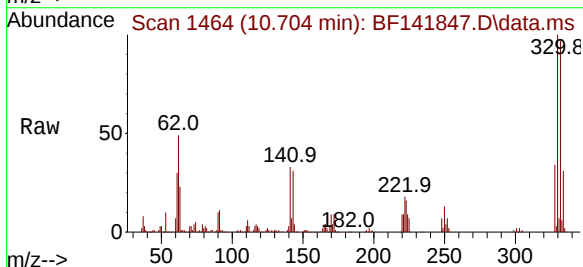
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

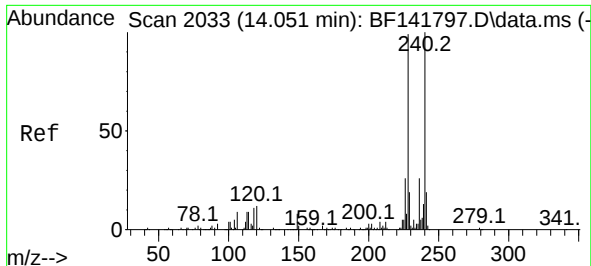
Tgt Ion:198 Resp: 713
Ion Ratio Lower Upper
198 100
51 205.3 32.1 72.1#
105 197.5 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 3.549 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion:248 Resp: 21055
Ion Ratio Lower Upper
248 100
250 199.1 78.1 117.1#
141 483.3 64.3 96.5#

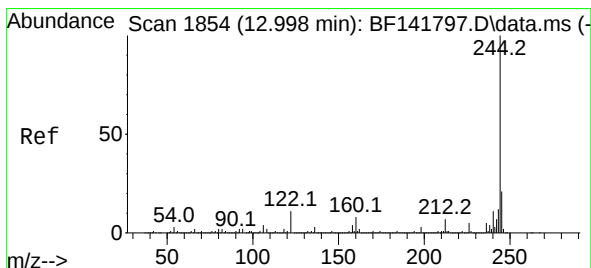
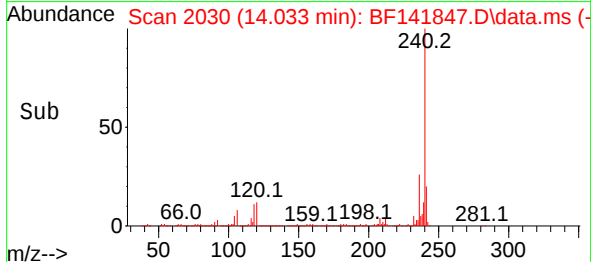
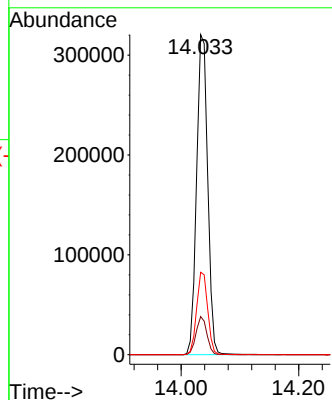
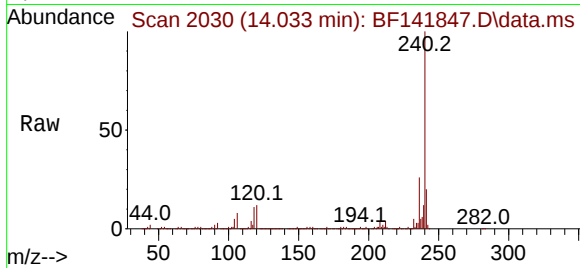




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

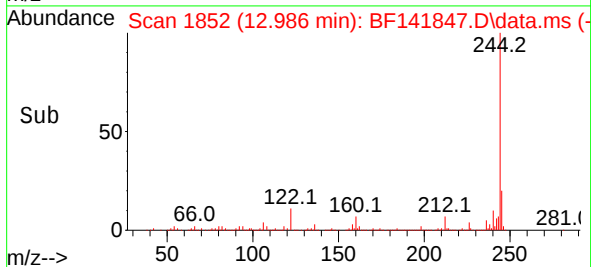
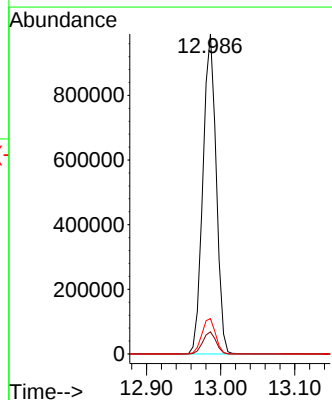
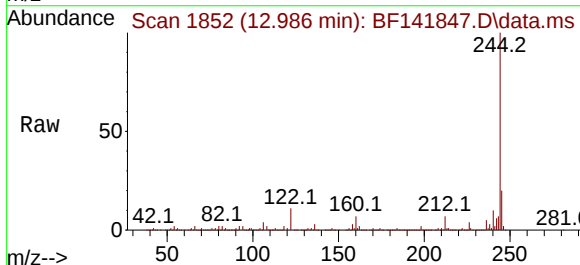
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB02

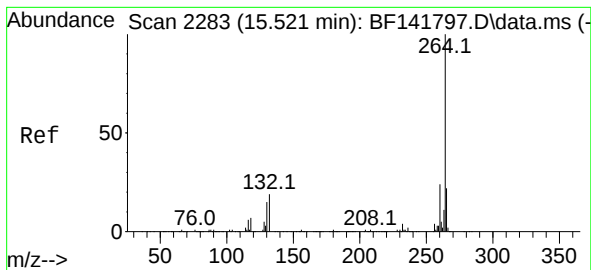
Tgt Ion:240 Resp: 419765
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 25.8 21.0 31.4



#79
Terphenyl-d14
Concen: 47.557 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141847.D
Acq: 05 Mar 2025 16:50

Tgt Ion:244 Resp: 1233851
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 11.1 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: BF141847.D
 Acq: 05 Mar 2025 16:50

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB02

Tgt Ion:264 Resp: 463489
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 21.7 17.4 26.0

