

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141886.D
 Acq On : 07 Mar 2025 11:00
 Operator : RC/JU
 Sample : Q1478-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825

Quant Time: Mar 07 11:17:36 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)

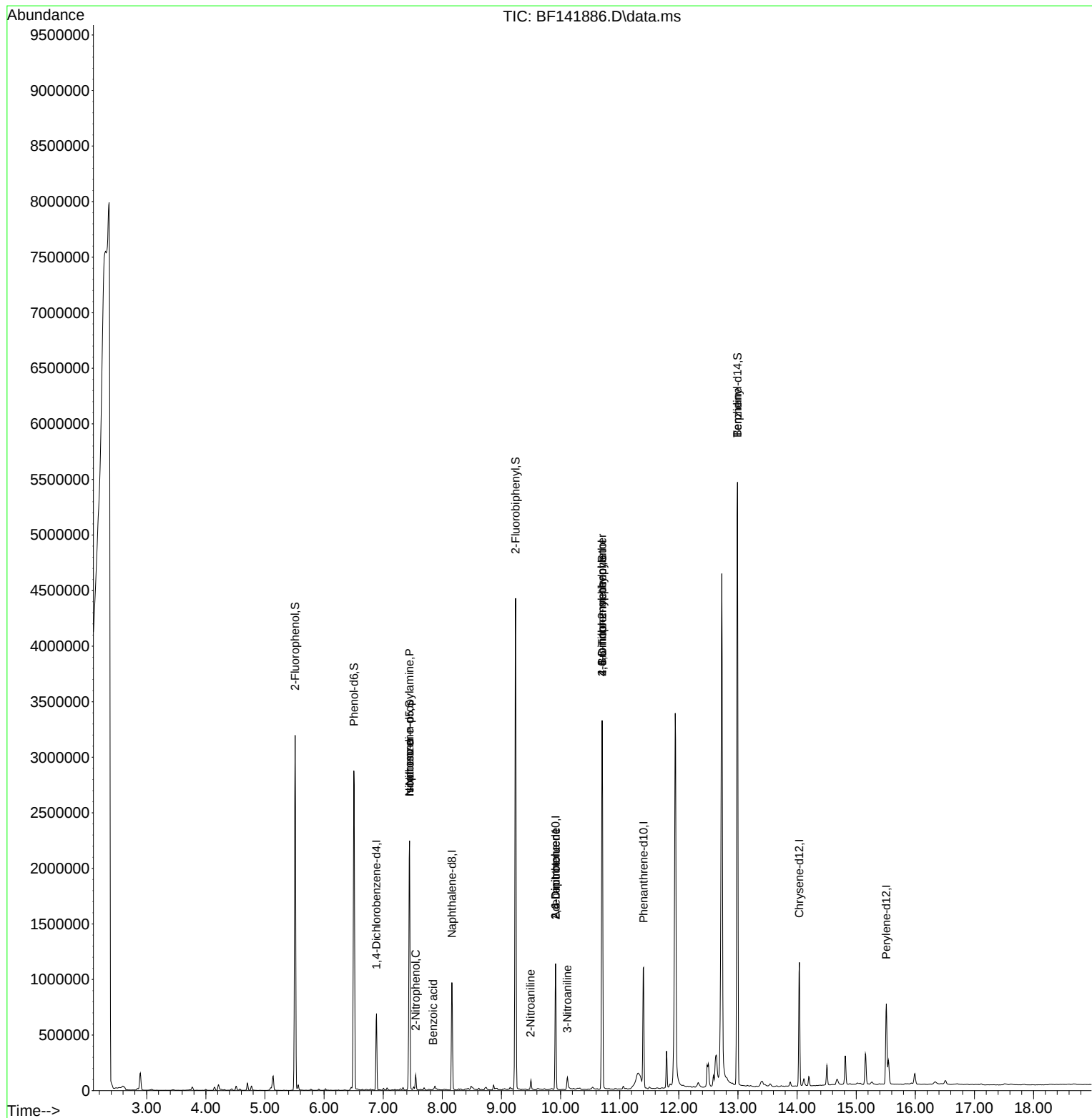
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	139514	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	591635	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	324386	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	557994	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	543144	20.000	ng	-0.01
86) Perylene-d12	15.509	264	421768	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1247685	142.820	ng	0.01
7) Phenol-d6	6.504	99	1451371	127.641	ng	0.00
23) Nitrobenzene-d5	7.445	82	1022693	110.491	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	601225	197.421	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1951276	96.452	ng	0.00
79) Terphenyl-d14	12.992	244	2755910	82.093	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	143680	19.222	ng	# 78
25) Isophorone	7.445	82	1019030	51.246	ng	# 66
26) 2-Nitrophenol	7.551	139	1243	4.804	ng	# 42
32) Benzoic acid	7.845	122	2455	8.029	ng	94
48) 2-Nitroaniline	9.492	65	307	4.395	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	42235	12.393	ng	# 22
53) 3-Nitroaniline	10.116	138	577	3.089	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	42235	11.235	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.704	198	1285	8.532	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	37446	5.745	ng	# 1
77) Benzidine	12.992	184	39198	5.734	ng	# 89

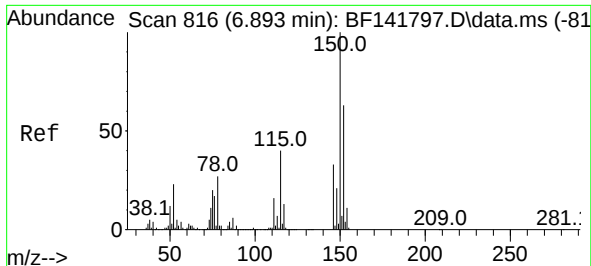
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
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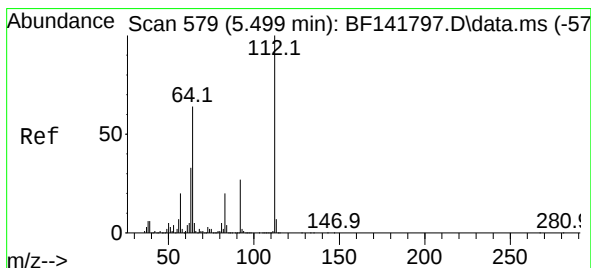
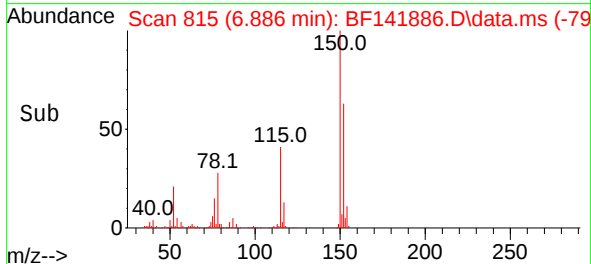
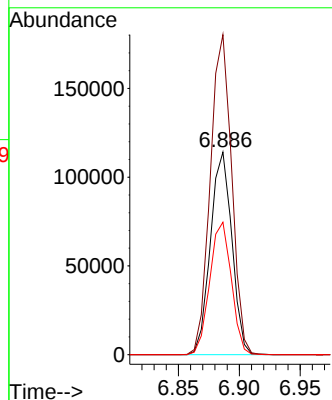
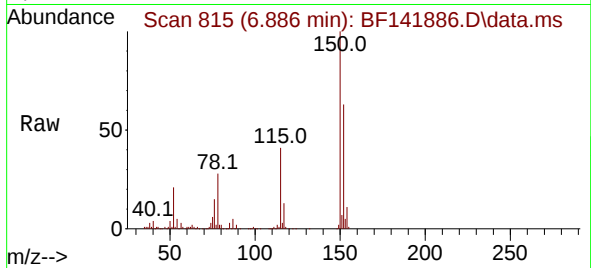




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

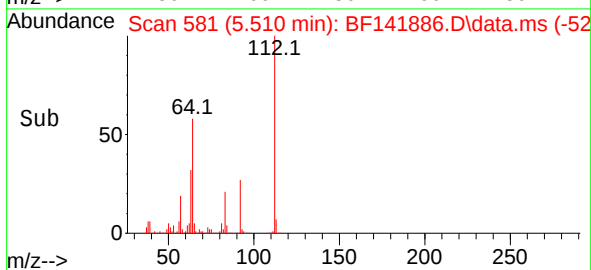
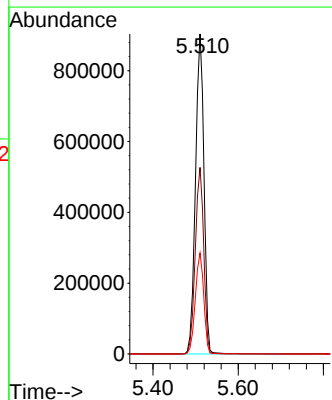
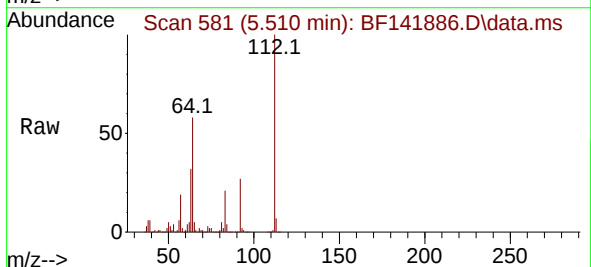
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

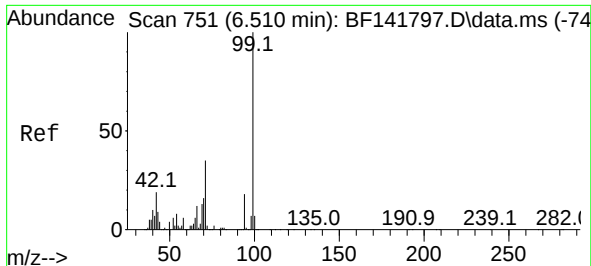
Tgt Ion:152 Resp: 139514
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 65.4 51.4 77.2



#5
2-Fluorophenol
Concen: 142.820 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:112 Resp: 1247685
Ion Ratio Lower Upper
112 100
64 58.3 51.3 76.9
63 31.5 26.2 39.4

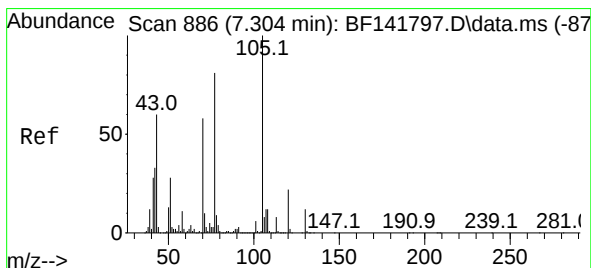
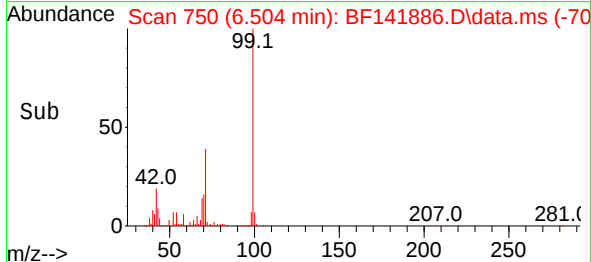
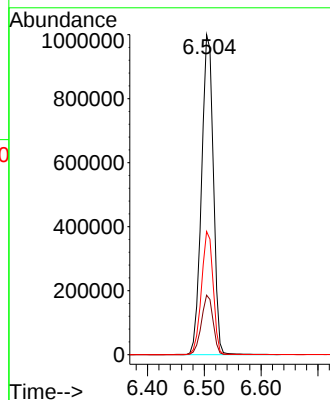
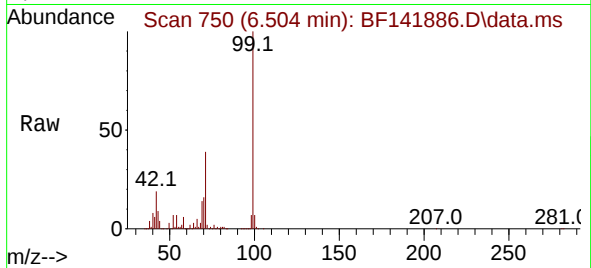




#7
Phenol-d6
Concen: 127.641 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

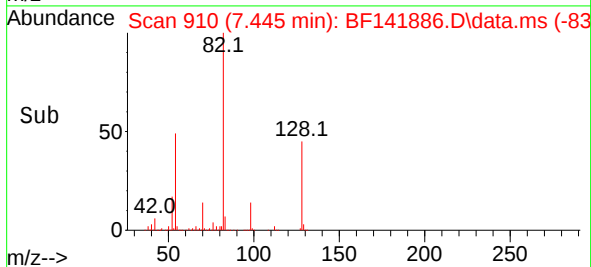
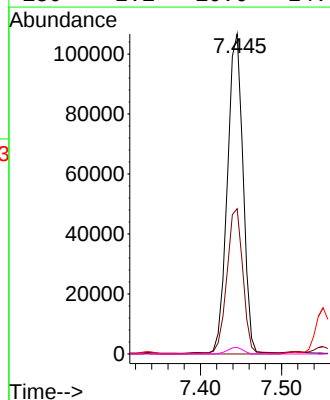
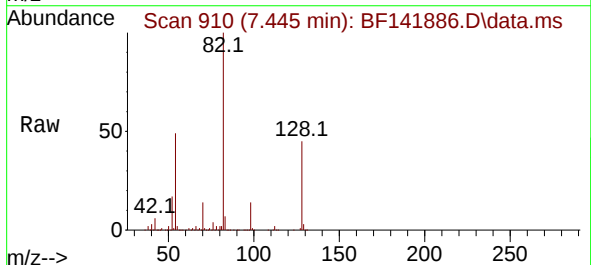
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

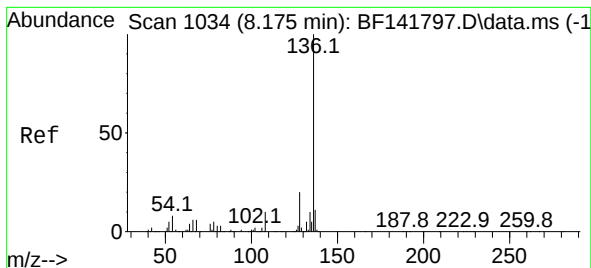
Tgt Ion: 99 Resp: 1451371
Ion Ratio Lower Upper
99 100
42 18.6 15.2 22.8
71 38.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.222 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion: 70 Resp: 143680
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: BF141886.D

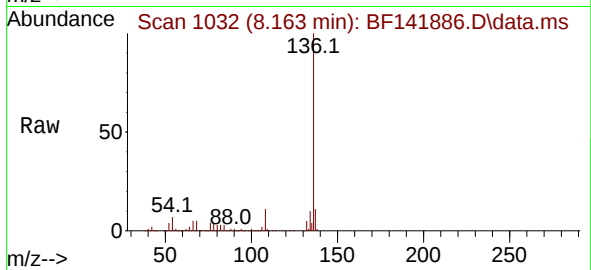
Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825



Tgt Ion:136 Resp: 591635

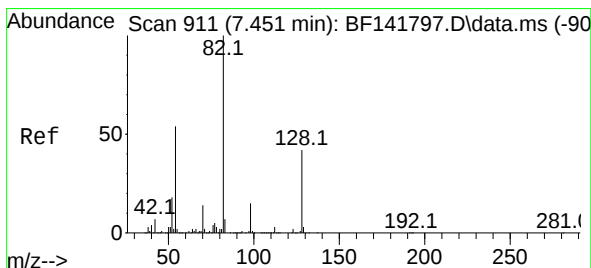
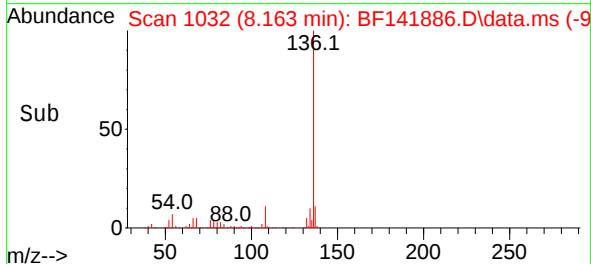
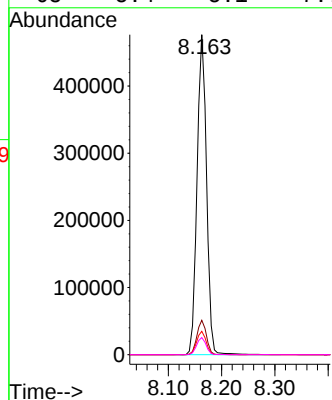
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.3 6.9 10.3

68 5.4 5.1 7.7



#23

Nitrobenzene-d5

Concen: 110.491 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

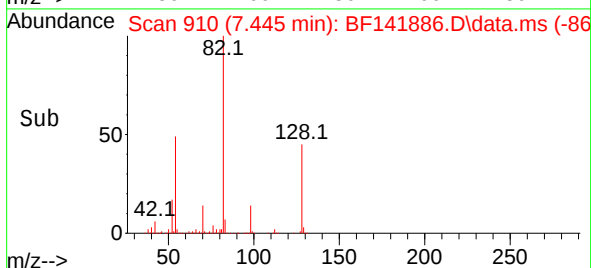
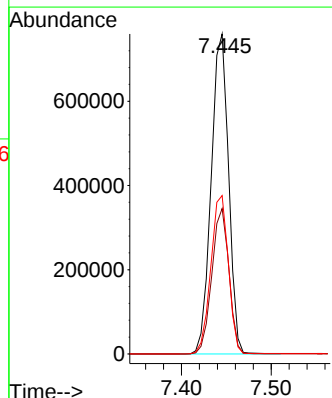
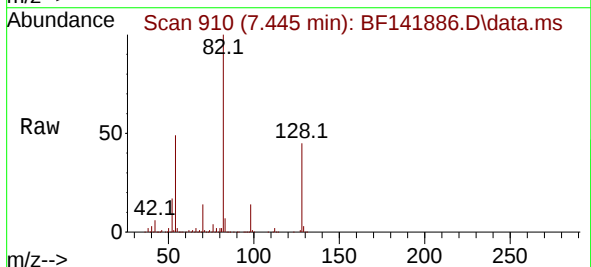
Tgt Ion: 82 Resp: 1022693

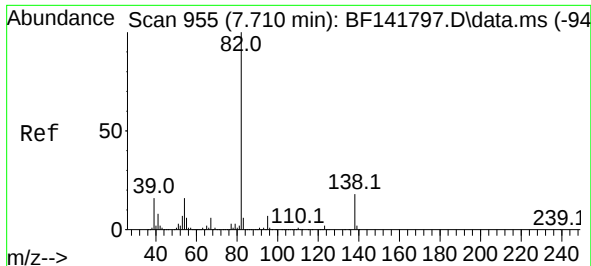
Ion Ratio Lower Upper

82 100

128 45.5 33.5 50.3

54 49.5 42.7 64.1

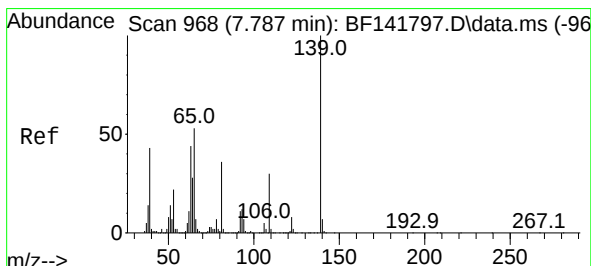
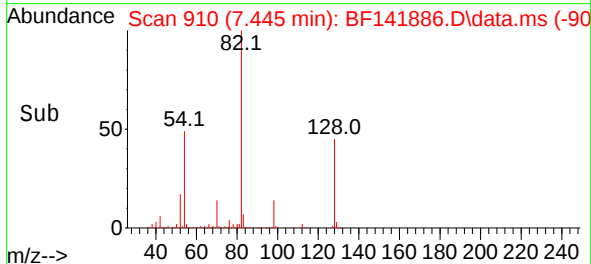
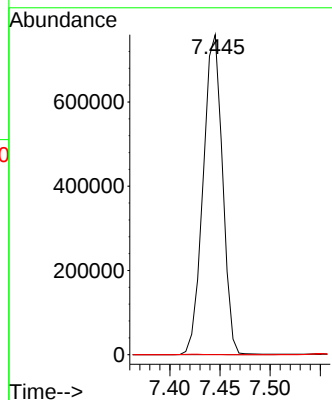
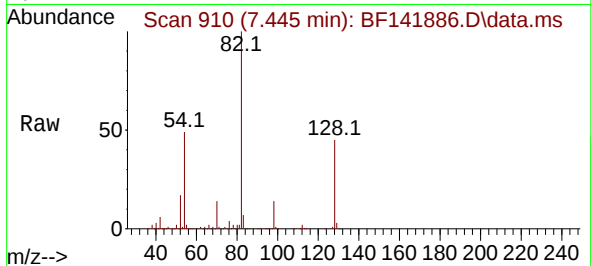




#25
Isophorone
Concen: 51.246 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

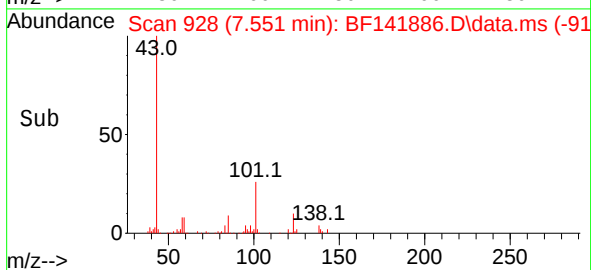
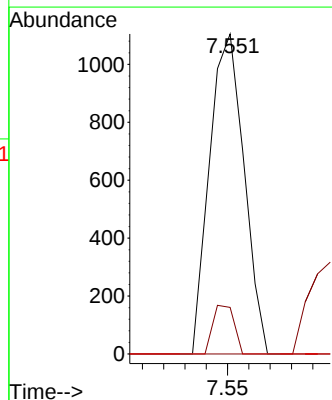
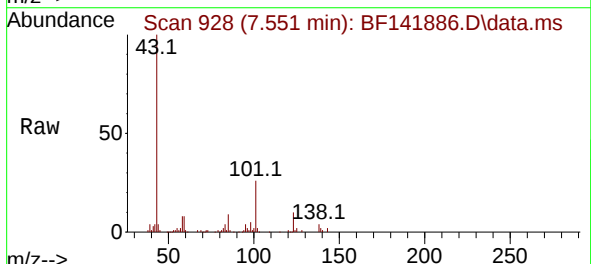
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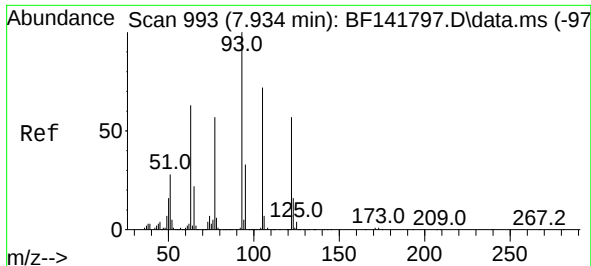
Tgt Ion: 82 Resp: 1019030
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.804 ng
RT: 7.551 min Scan# 928
Delta R.T. -0.236 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:139 Resp: 1243
Ion Ratio Lower Upper
139 100
109 14.6 24.1 36.1#
65 0.0 42.3 63.5#

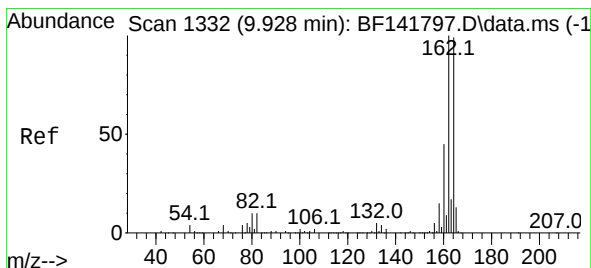
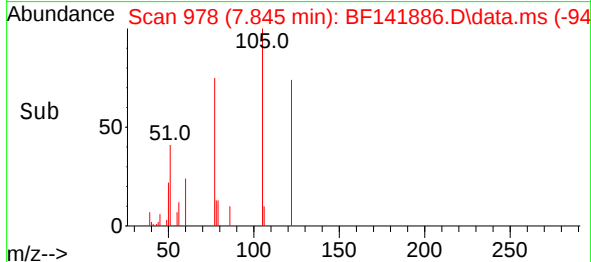
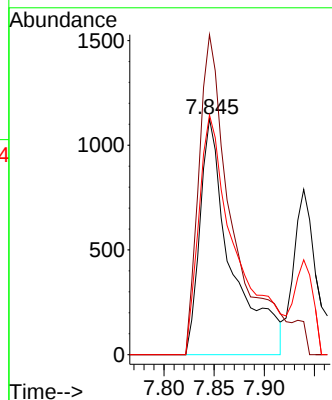
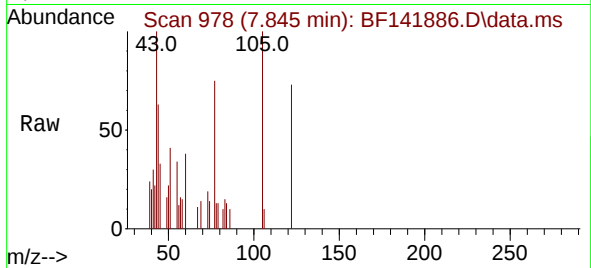




#32
Benzoic acid
Concen: 8.029 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.089 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

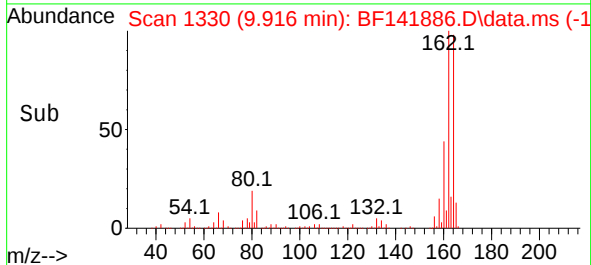
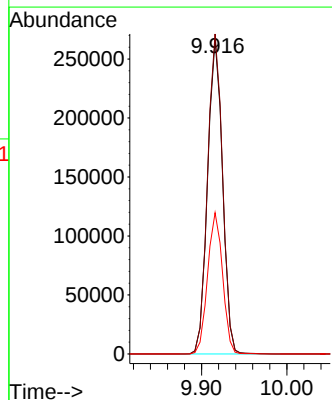
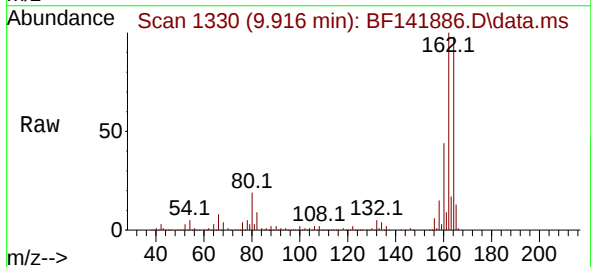
Instrument :
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ClientSampleId :
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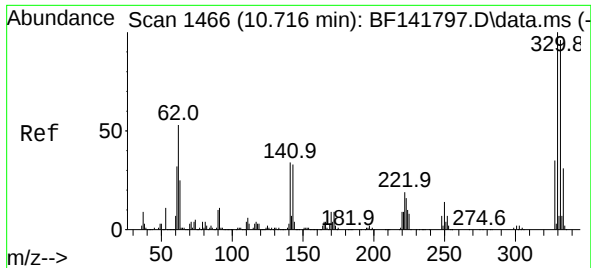
Tgt Ion:122 Resp: 2455
Ion Ratio Lower Upper
122 100
105 135.6 105.8 145.8
77 101.6 79.9 119.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:164 Resp: 324386
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 45.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 197.421 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

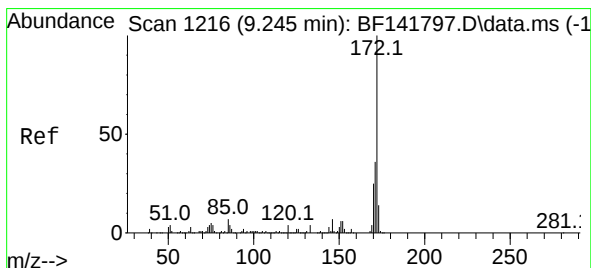
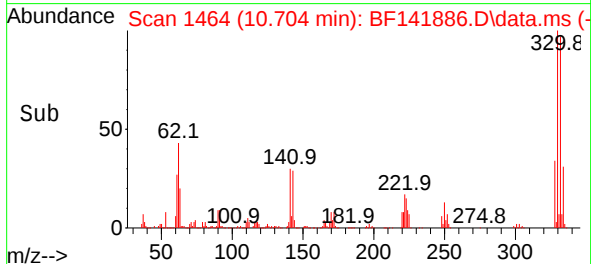
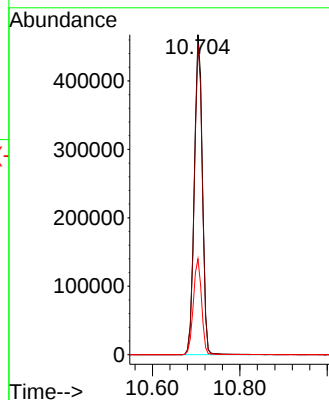
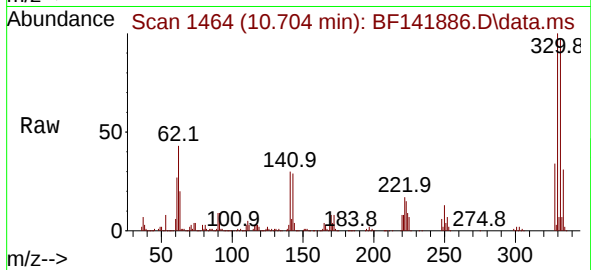
Tgt Ion:330 Resp: 601225

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 30.5 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 96.452 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

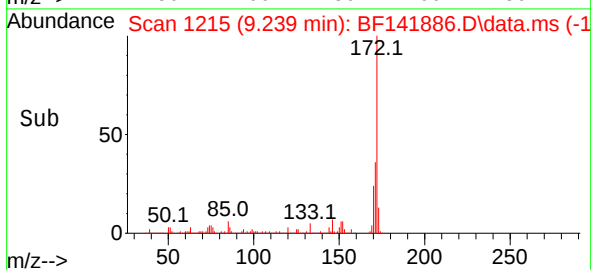
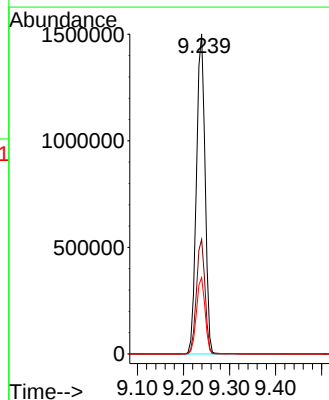
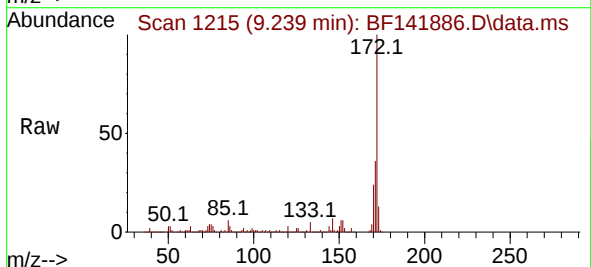
Tgt Ion:172 Resp: 1951276

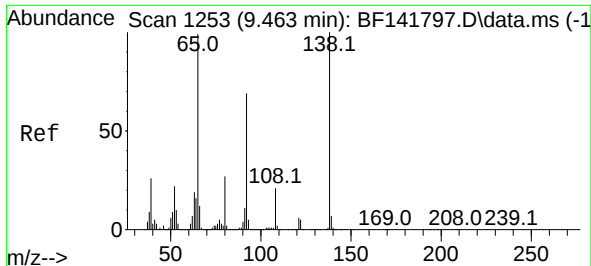
Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

170 23.9 19.7 29.5





#48

2-Nitroaniline

Concen: 4.395 ng

RT: 9.492 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

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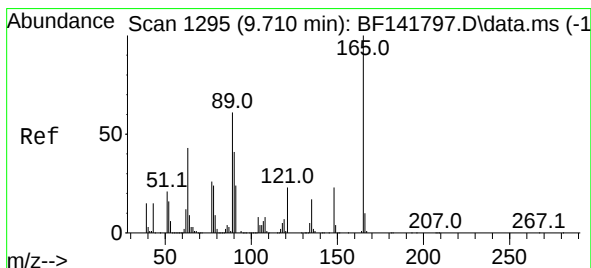
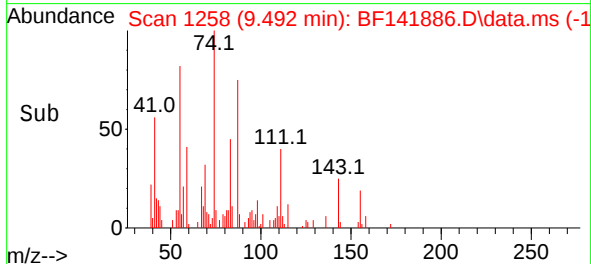
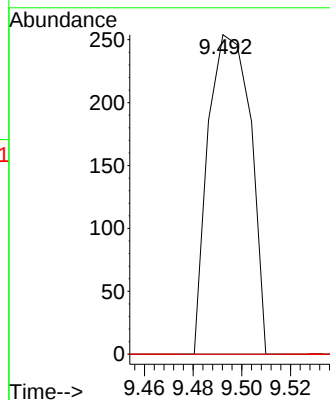
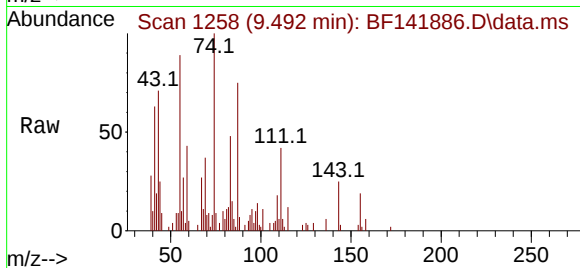
Tgt Ion: 65 Resp: 307

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: 12.393 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

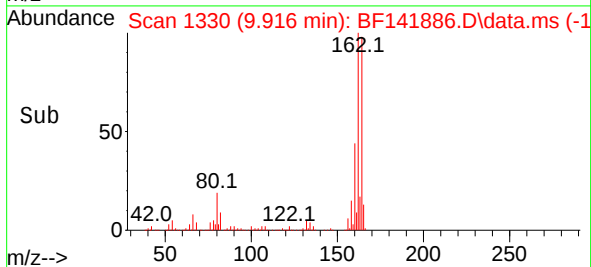
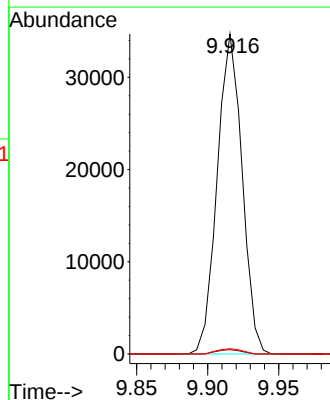
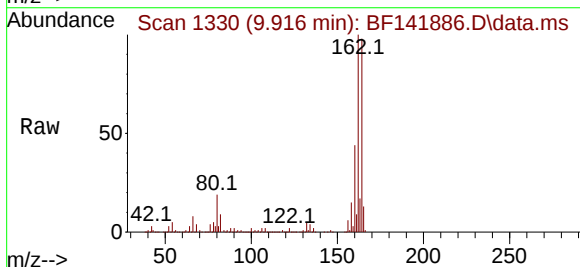
Tgt Ion: 165 Resp: 42235

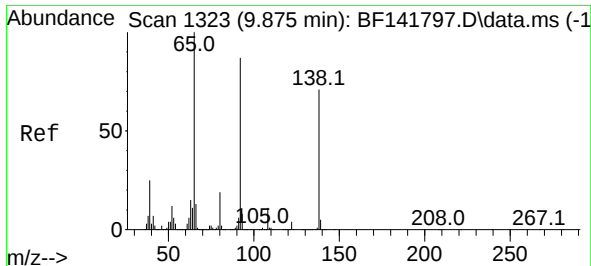
Ion Ratio Lower Upper

165 100

63 1.3 49.5 74.3#

89 1.6 49.0 73.4#

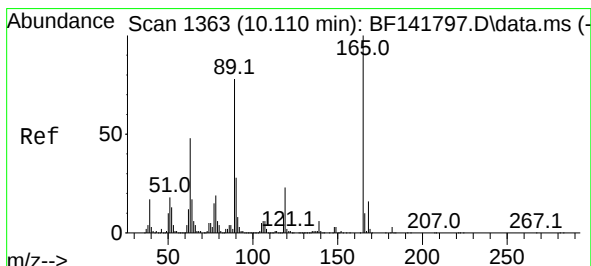
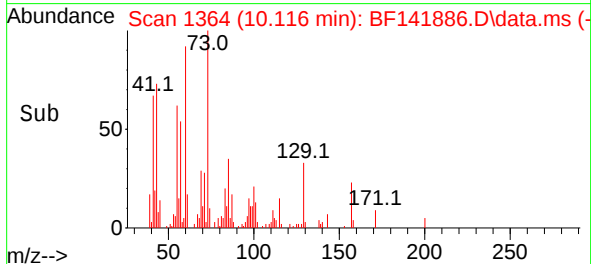
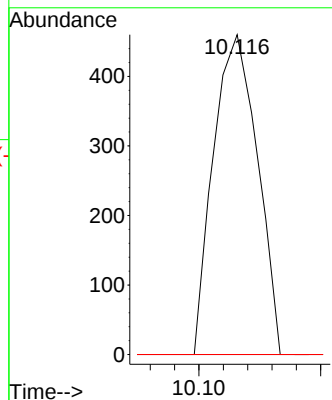
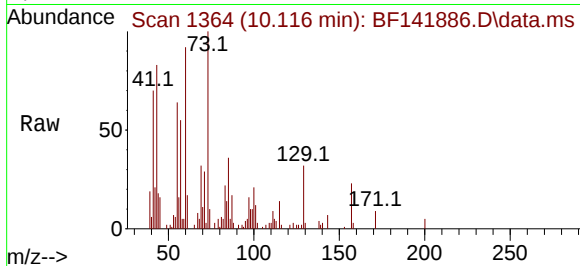




#53
3-Nitroaniline
Concen: 3.089 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.241 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

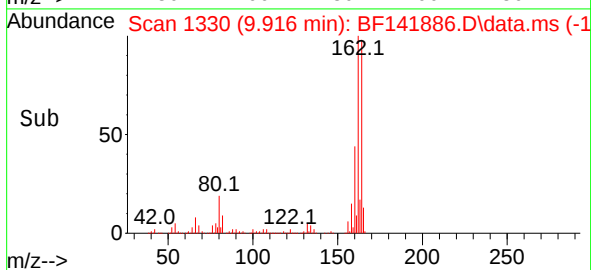
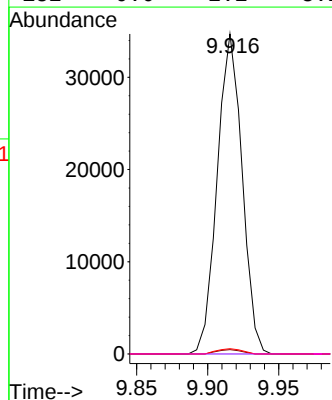
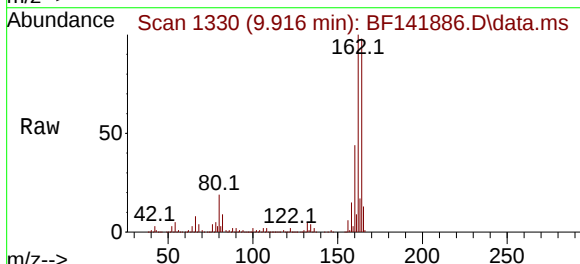
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

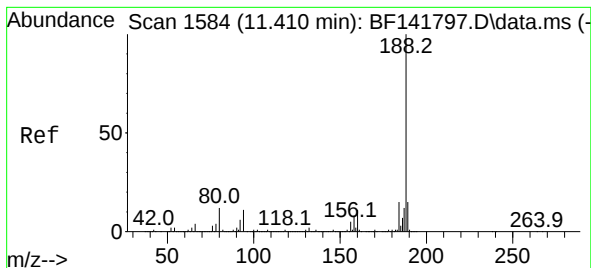
Tgt Ion:138 Resp: 577
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 0.0 97.9 146.9#



#57
2,4-Dinitrotoluene
Concen: 11.235 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:165 Resp: 42235
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.6 62.6 94.0#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

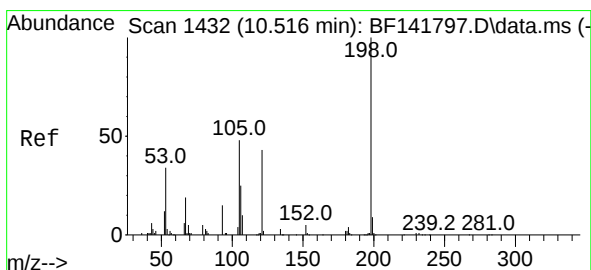
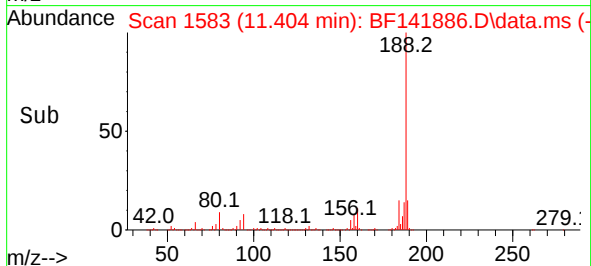
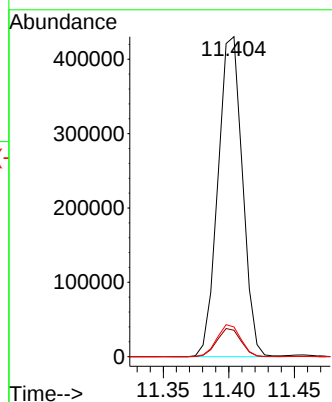
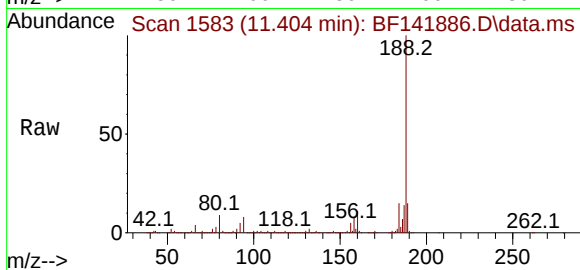
Tgt Ion:188 Resp: 557994

Ion Ratio Lower Upper

188 100

94 8.3 8.9 13.3#

80 9.3 9.7 14.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.532 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

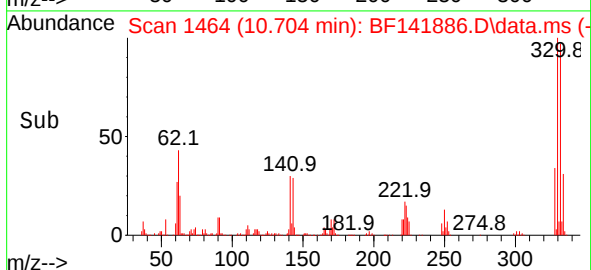
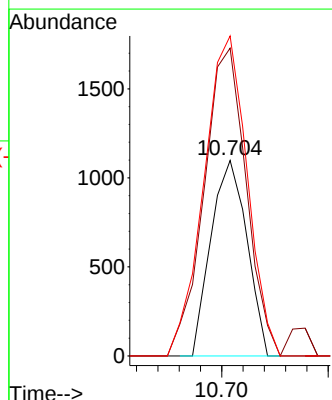
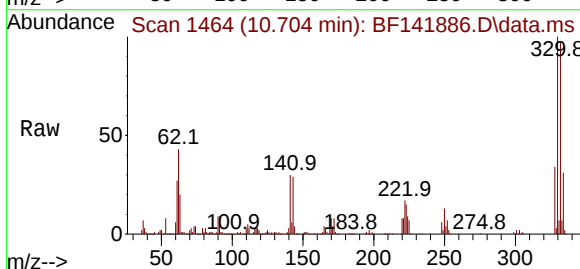
Tgt Ion:198 Resp: 1285

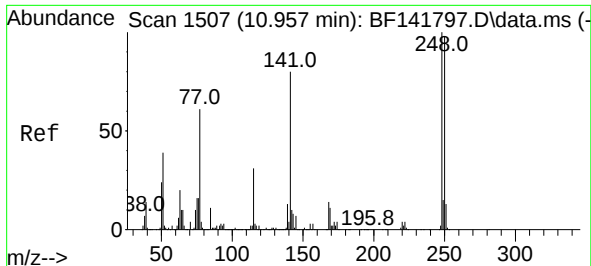
Ion Ratio Lower Upper

198 100

51 157.5 32.1 72.1#

105 163.7 28.5 68.5#





#67

4-Bromophenyl-phenylether

Concen: 5.745 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

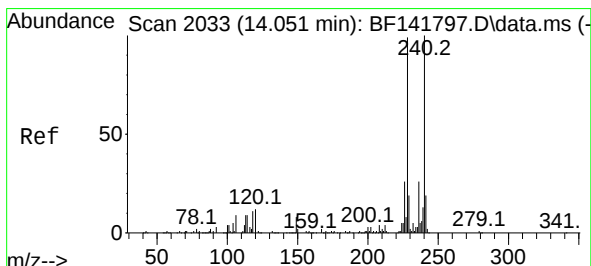
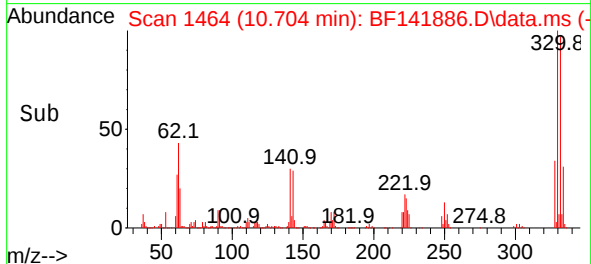
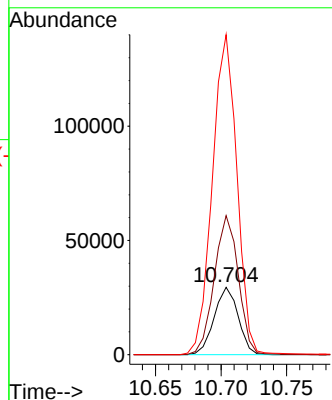
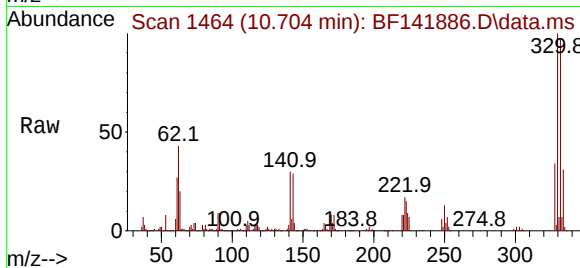
Tgt Ion:248 Resp: 37446

Ion Ratio Lower Upper

248 100

250 206.4 78.1 117.1#

141 474.8 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: BF141886.D

Acq: 07 Mar 2025 11:00

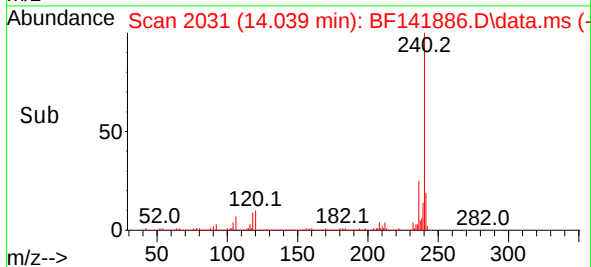
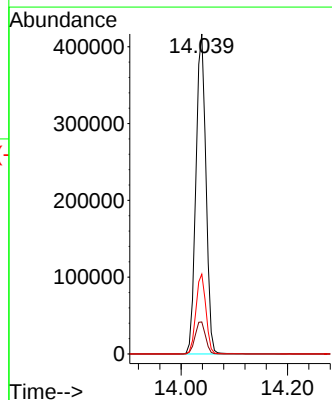
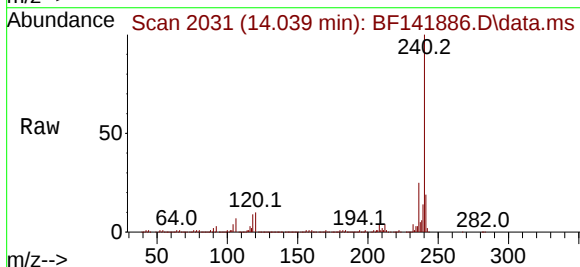
Tgt Ion:240 Resp: 543144

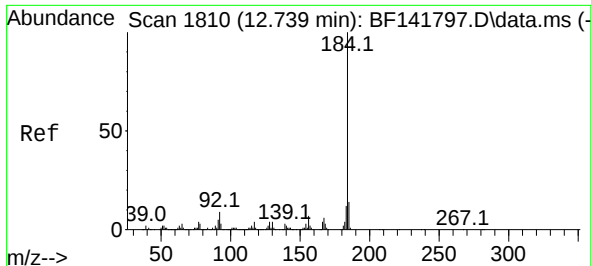
Ion Ratio Lower Upper

240 100

120 10.0 9.7 14.5

236 24.9 21.0 31.4





#77

Benzidine

Concen: 5.734 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.253 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

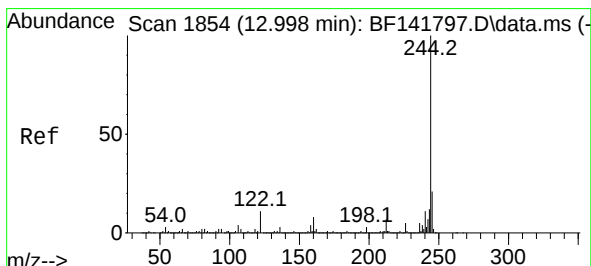
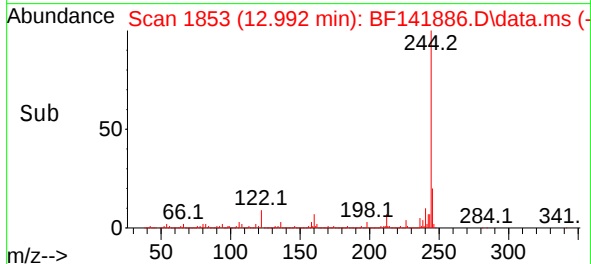
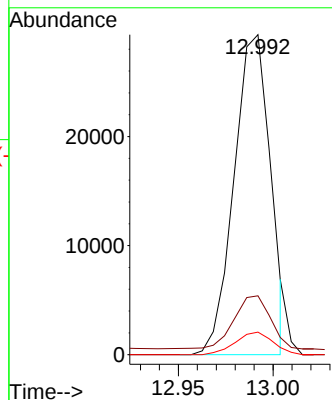
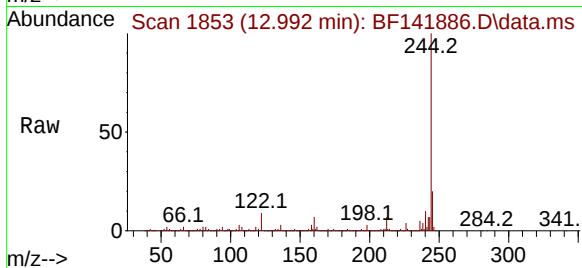
Tgt Ion:184 Resp: 39198

Ion Ratio Lower Upper

184 100

185 18.4 11.6 17.4#

183 7.0 9.4 14.0#



#79

Terphenyl-d14

Concen: 82.093 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

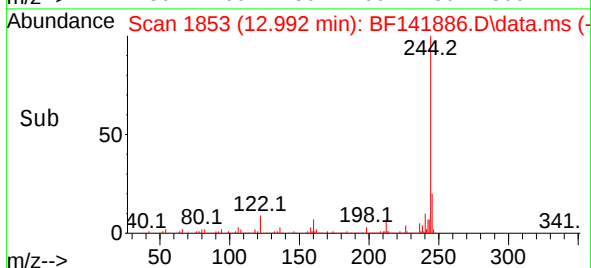
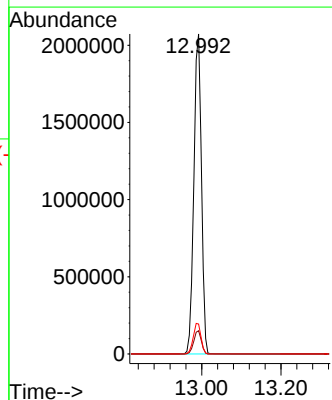
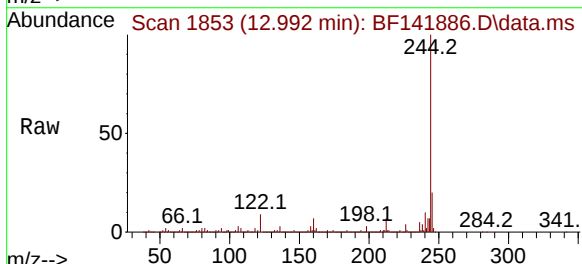
Tgt Ion:244 Resp: 2755910

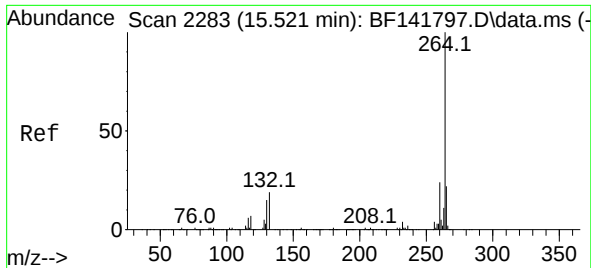
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

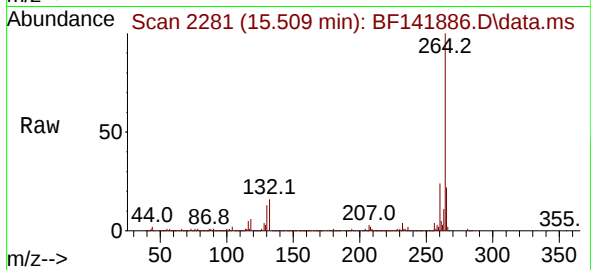
122 9.4 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141886.D
 Acq: 07 Mar 2025 11:00

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825



Tgt Ion:264 Resp: 421768
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.6 17.4 26.0

