

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141889.D
 Acq On : 07 Mar 2025 12:29
 Operator : RC/JU
 Sample : Q1481-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-K1311

Quant Time: Mar 07 13:08:11 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)

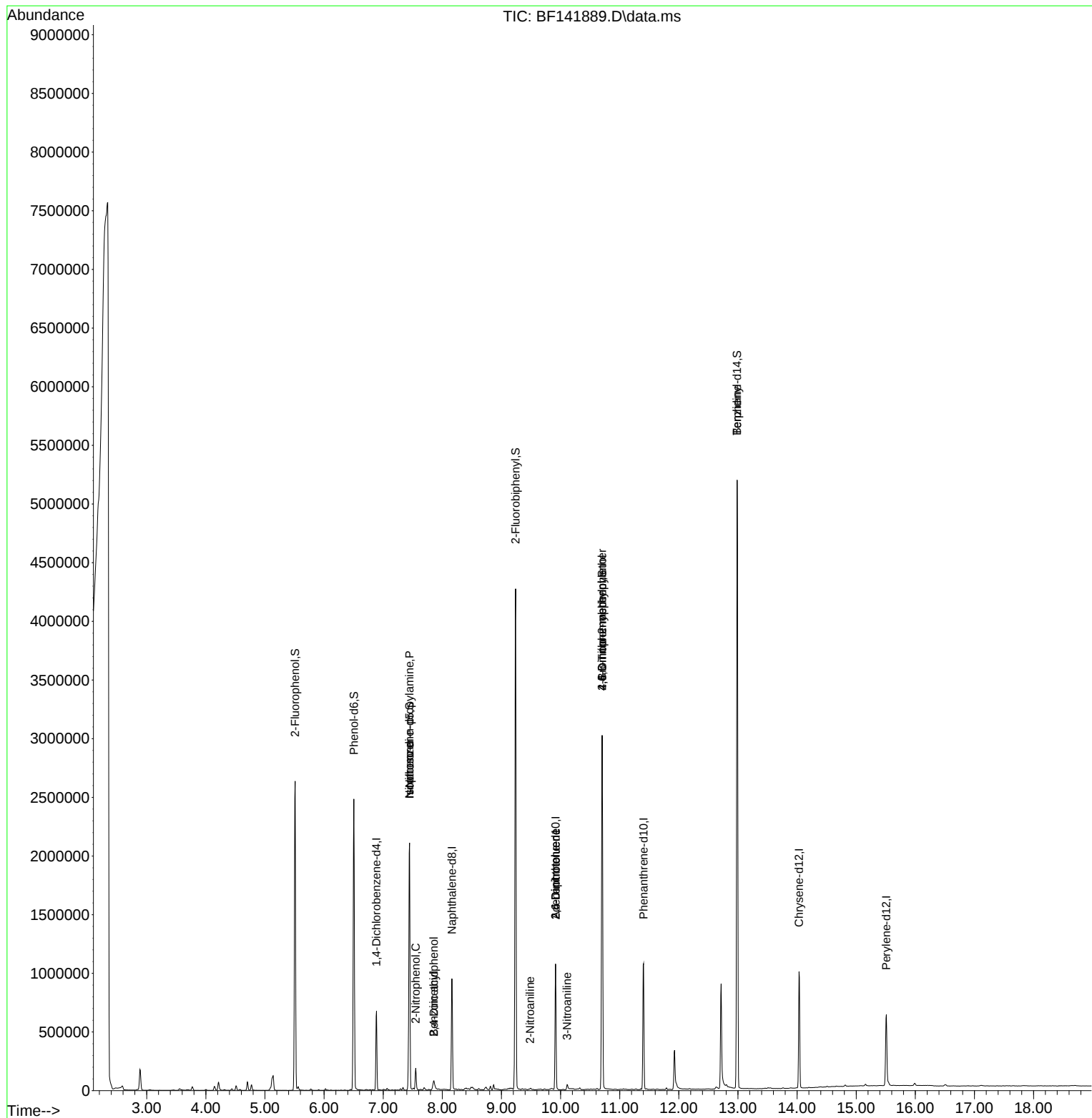
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	140289	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	587043	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	309412	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	560648	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	481292	20.000	ng	-0.02
86) Perylene-d12	15.509	264	364512	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1034921	117.811	ng	0.01
7) Phenol-d6	6.504	99	1200323	104.979	ng	0.00
23) Nitrobenzene-d5	7.445	82	981989	106.924	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	539399	185.691	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1895415	98.225	ng	0.00
79) Terphenyl-d14	12.986	244	2580113	86.733	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	134445	17.887	ng	# 78
25) Isophorone	7.445	82	976813	49.508	ng	# 66
26) 2-Nitrophenol	7.551	139	2693	5.105	ng	# 53
27) 2,4-Dimethylphenol	7.857	122	31954	4.406	ng	# 4
32) Benzoic acid	7.857	122	31954	12.124	ng	# 97
48) 2-Nitroaniline	9.486	65	119	4.362	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	39924	12.307	ng	# 21
53) 3-Nitroaniline	10.110	138	216	3.015	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	39924	11.165	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1192	8.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	34359	5.247	ng	# 1
77) Benzidine	12.986	184	34487	5.693	ng	# 92

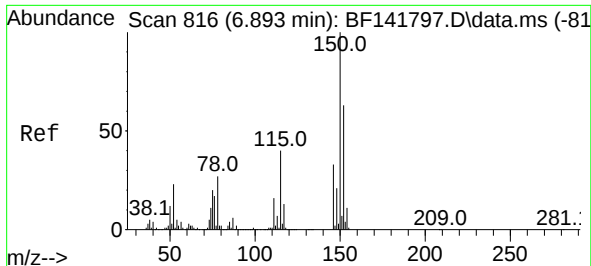
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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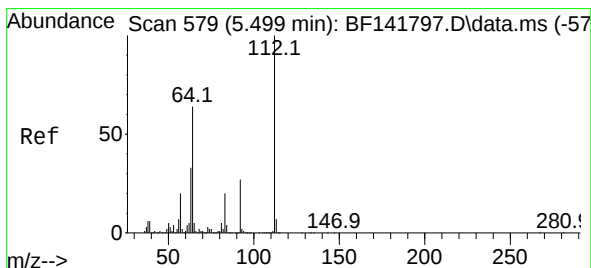
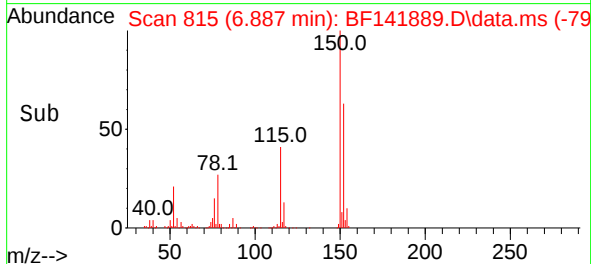
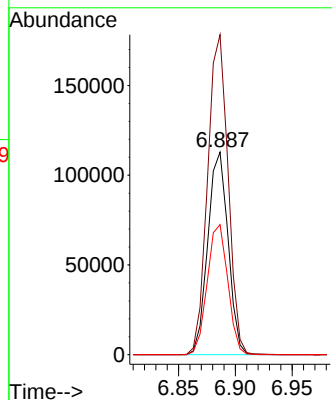
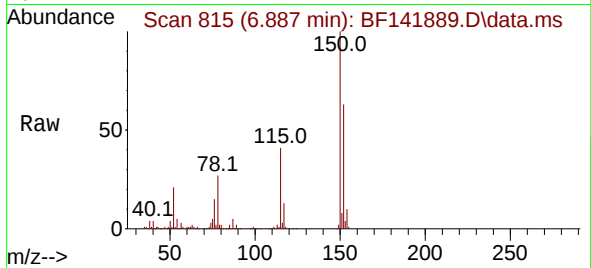




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

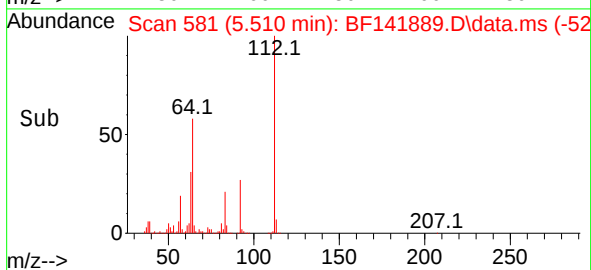
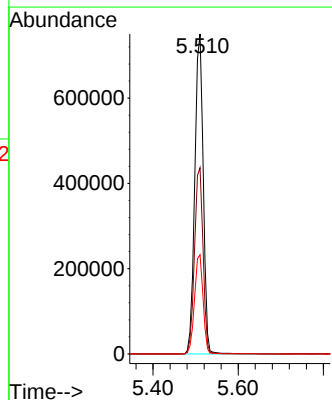
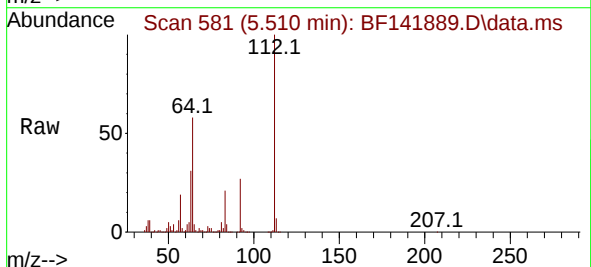
Instrument :
BNA_F
ClientSampleId :
WC-K1311

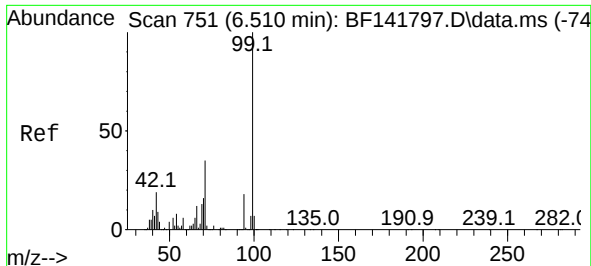
Tgt Ion:152 Resp: 140289
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 117.811 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

Tgt Ion:112 Resp: 1034921
Ion Ratio Lower Upper
112 100
64 58.2 51.3 76.9
63 31.0 26.2 39.4

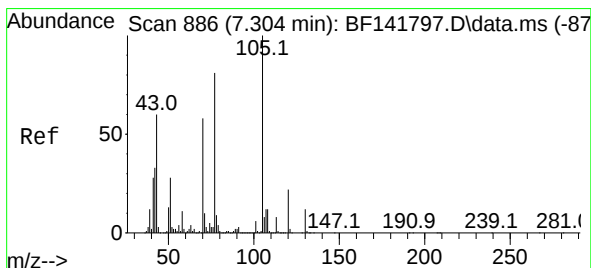
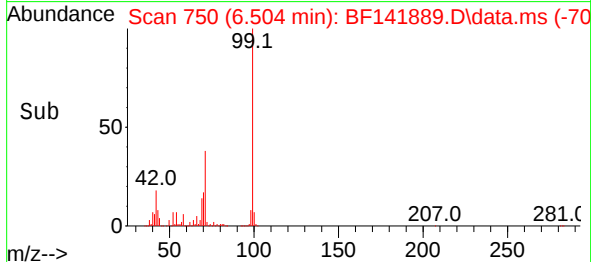
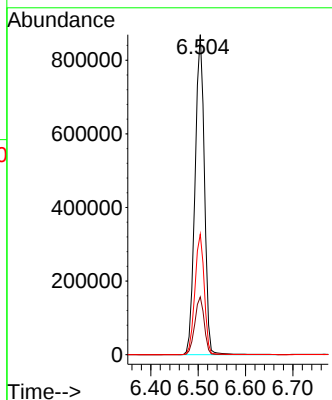
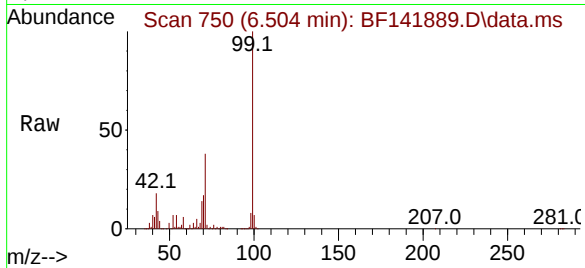




#7
Phenol-d6
Concen: 104.979 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

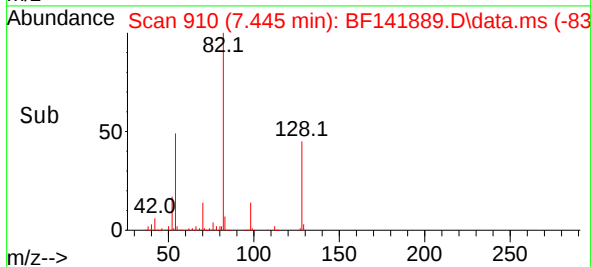
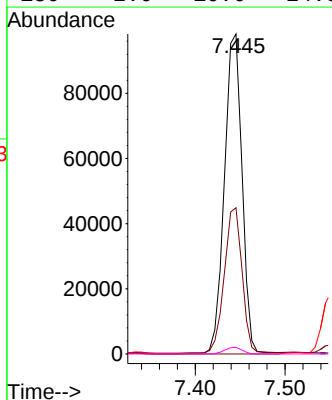
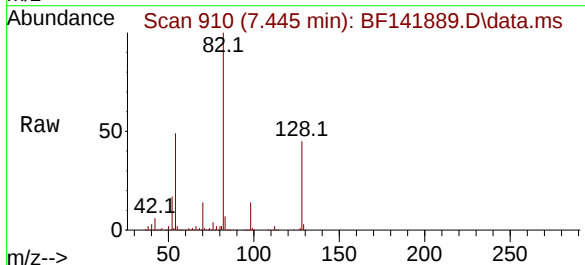
Instrument :
BNA_F
ClientSampleId :
WC-K1311

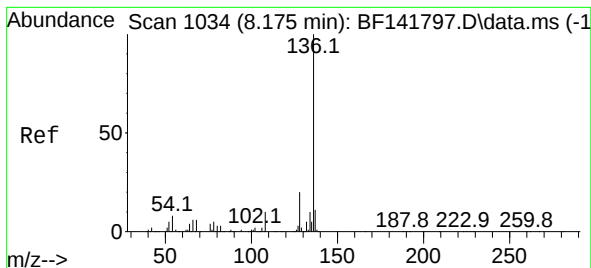
Tgt Ion: 99 Resp: 1200323
Ion Ratio Lower Upper
99 100
42 18.1 15.2 22.8
71 37.7 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.887 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

Tgt Ion: 70 Resp: 134445
Ion Ratio Lower Upper
70 100
42 45.7 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: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

Tgt Ion:136 Resp: 587043

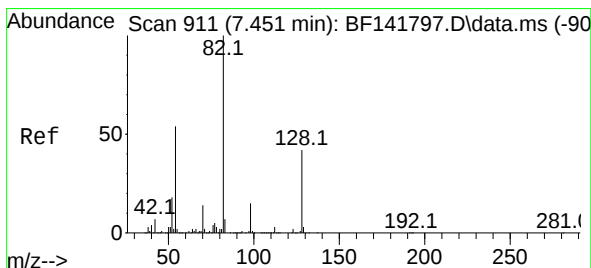
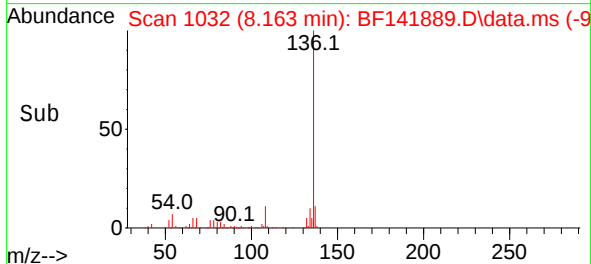
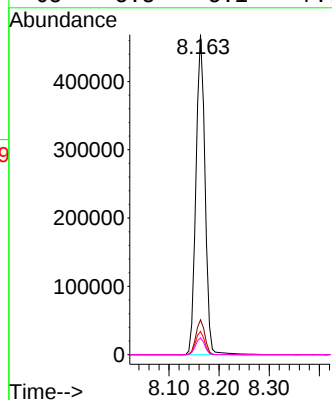
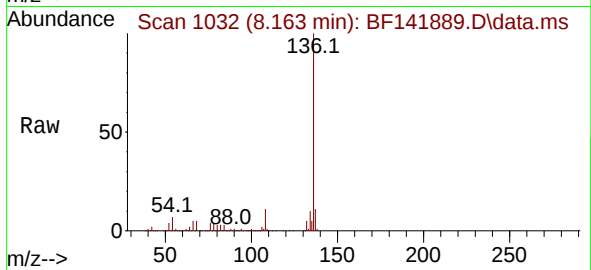
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 6.9 10.3

68 5.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 106.924 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

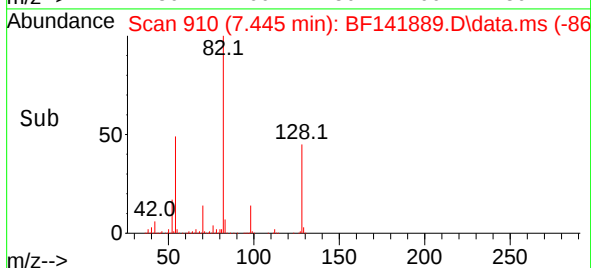
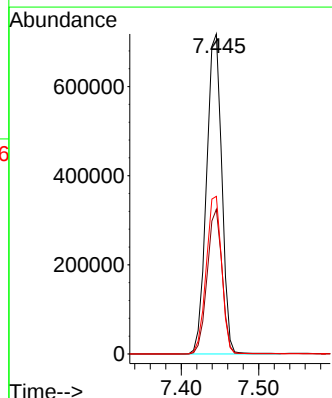
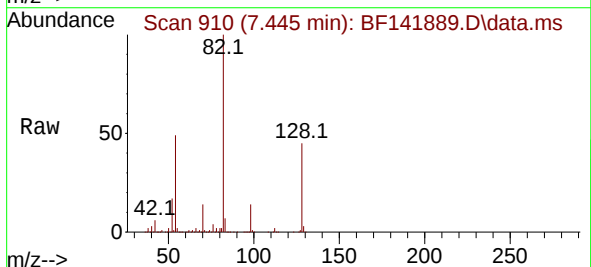
Tgt Ion: 82 Resp: 981989

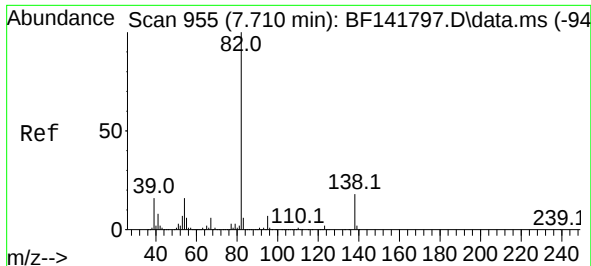
Ion Ratio Lower Upper

82 100

128 45.2 33.5 50.3

54 49.2 42.7 64.1

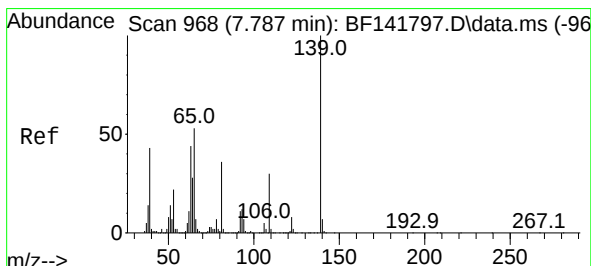
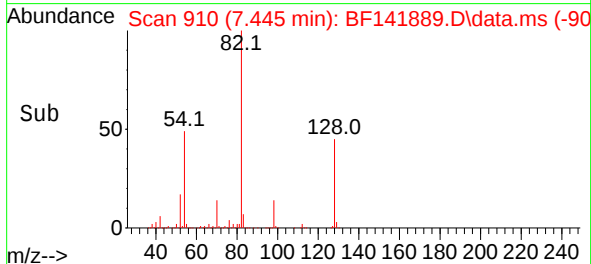
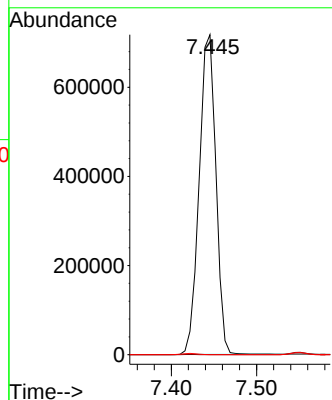
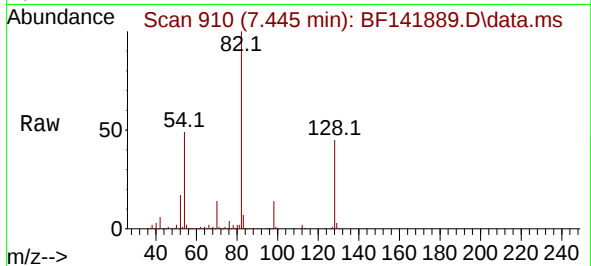




#25
Isophorone
Concen: 49.508 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

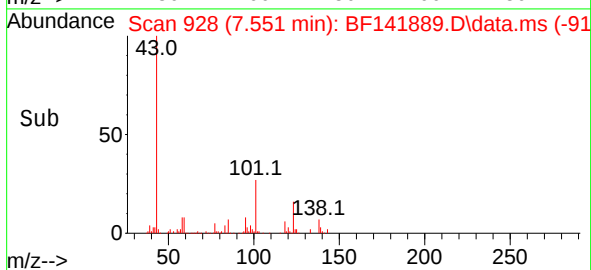
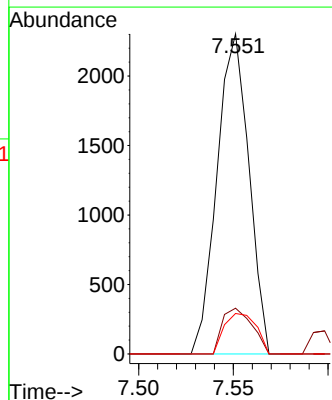
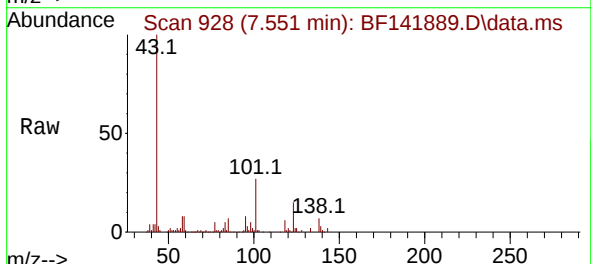
Instrument :
BNA_F
ClientSampleId :
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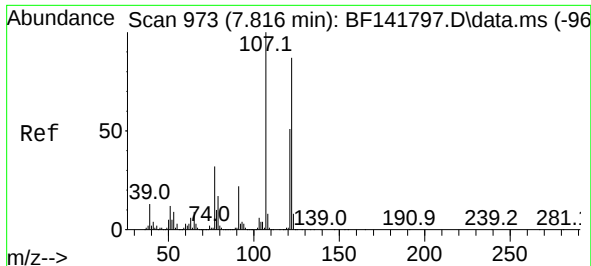
Tgt Ion: 82 Resp: 976813
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 5.105 ng
RT: 7.551 min Scan# 928
Delta R.T. -0.236 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

Tgt Ion:139 Resp: 2693
Ion Ratio Lower Upper
139 100
109 14.3 24.1 36.1#
65 12.6 42.3 63.5#

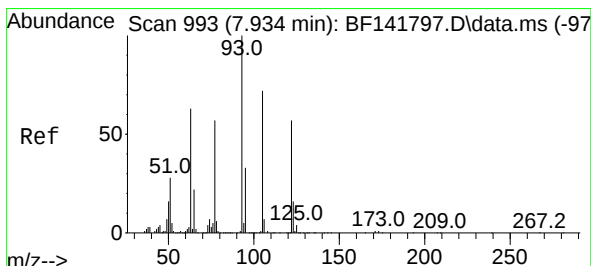
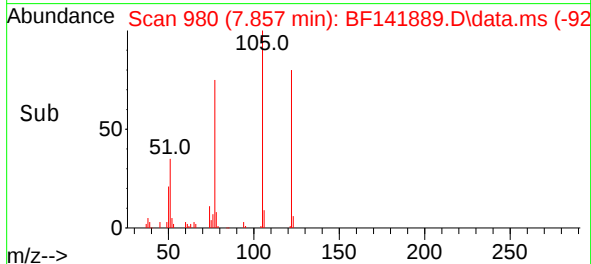
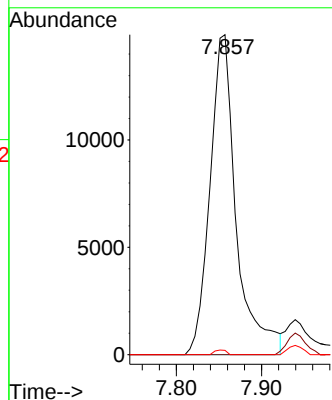
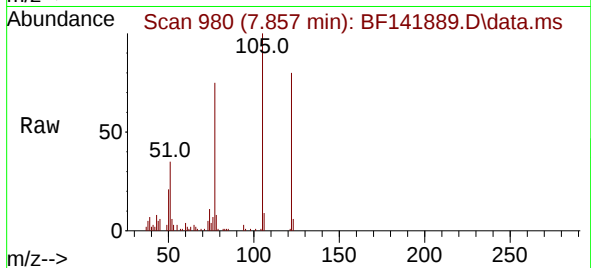




#27
2,4-Dimethylphenol
Concen: 4.406 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.041 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

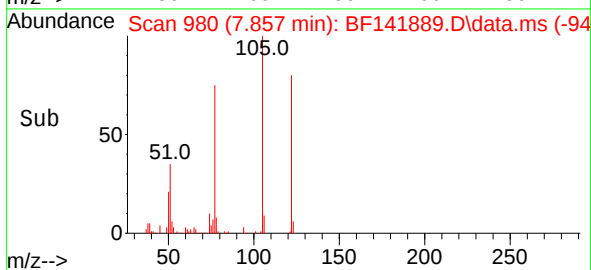
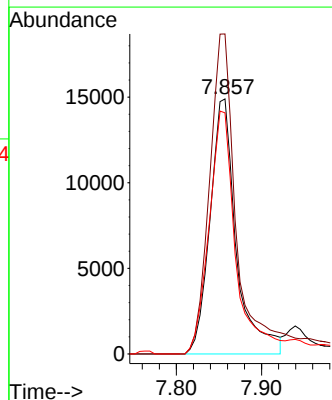
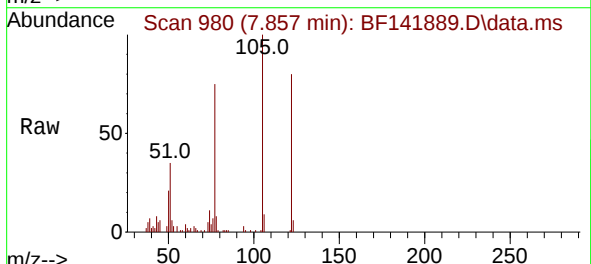
Instrument :
BNA_F
ClientSampleId :
WC-K1311

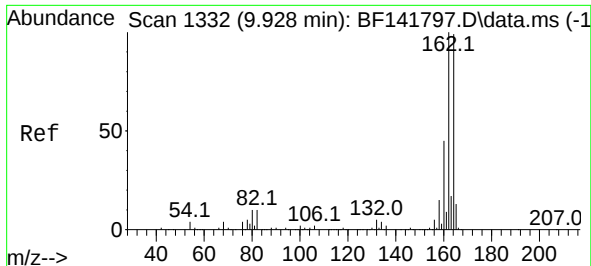
Tgt Ion:122 Resp: 31954
Ion Ratio Lower Upper
122 100
107 0.0 92.5 138.7#
121 1.3 47.1 70.7#



#32
Benzoic acid
Concen: 12.124 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.077 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

Tgt Ion:122 Resp: 31954
Ion Ratio Lower Upper
122 100
105 125.4 105.8 145.8
77 94.5 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1411

Delta R.T. -0.012 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

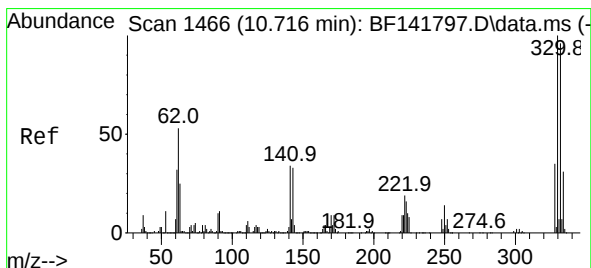
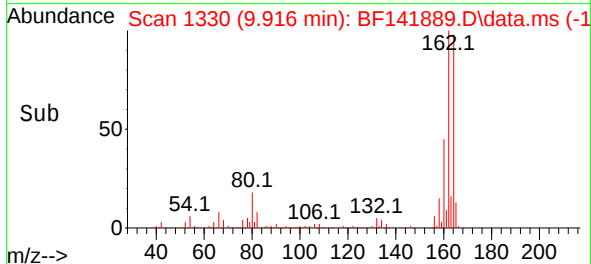
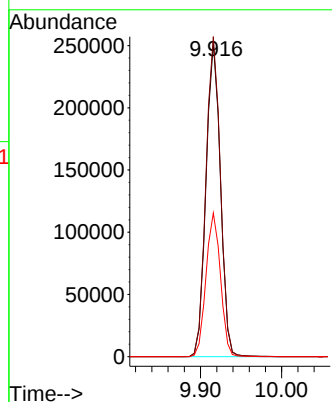
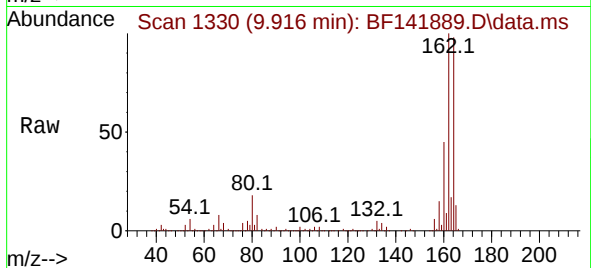
Tgt Ion:164 Resp: 309412

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

160 45.8 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 185.691 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

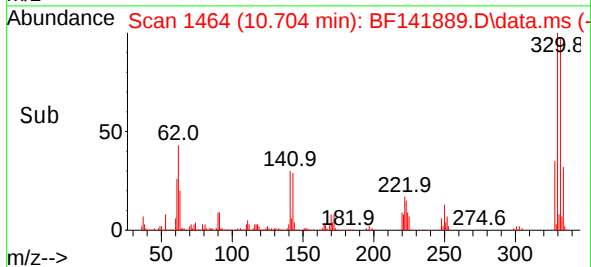
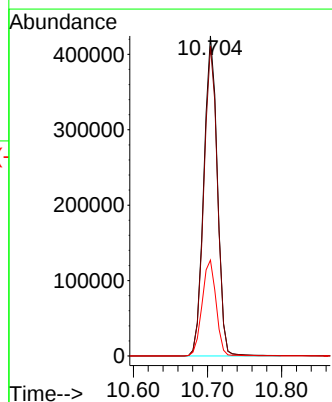
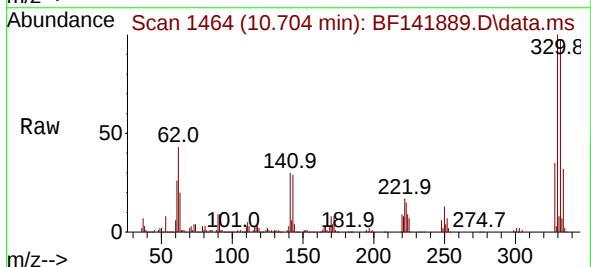
Tgt Ion:330 Resp: 539399

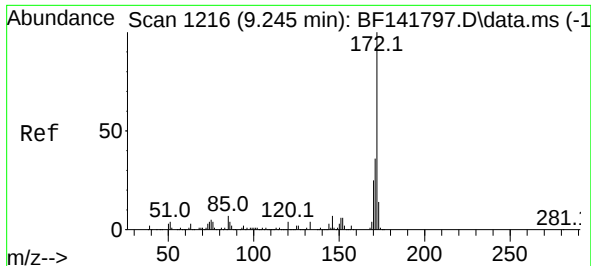
Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

141 30.8 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 98.225 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

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WC-K1311

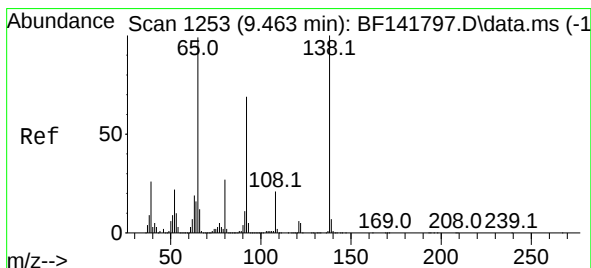
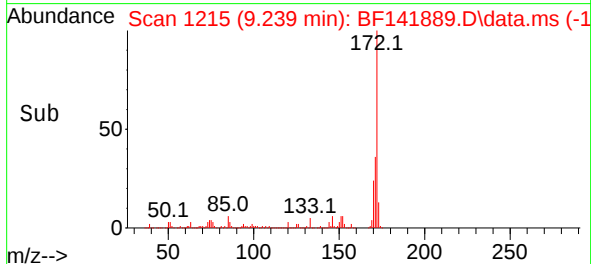
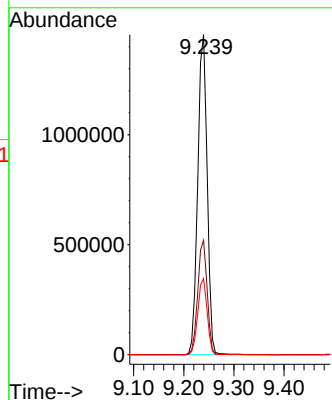
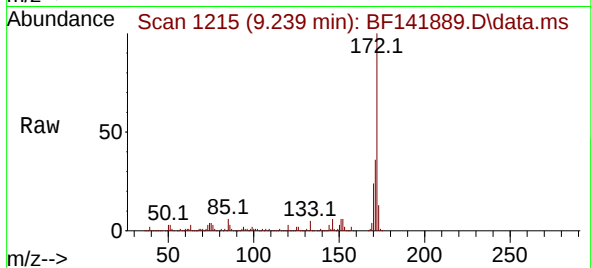
Tgt Ion:172 Resp: 1895415

Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

170 23.8 19.7 29.5



#48

2-Nitroaniline

Concen: 4.362 ng

RT: 9.486 min Scan# 1257

Delta R.T. 0.023 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

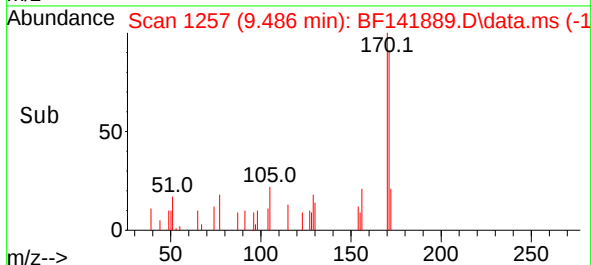
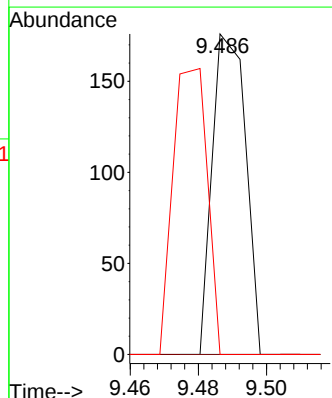
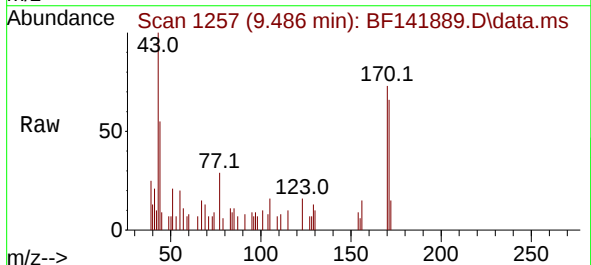
Tgt Ion: 65 Resp: 119

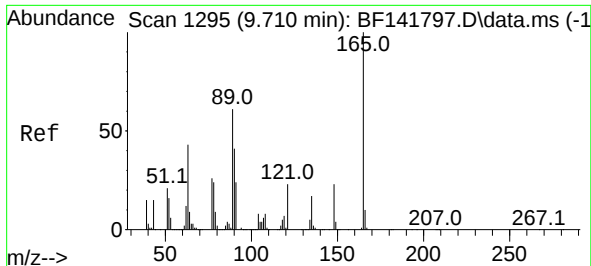
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.307 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

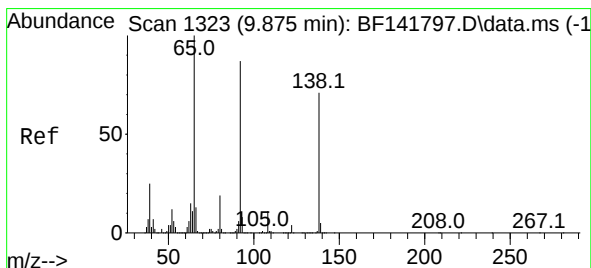
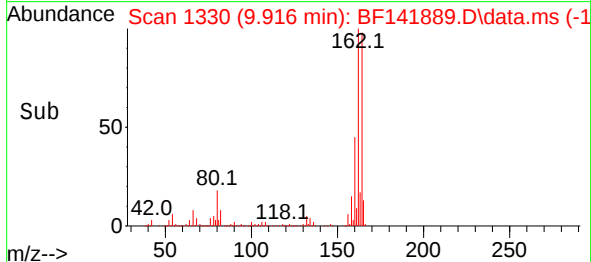
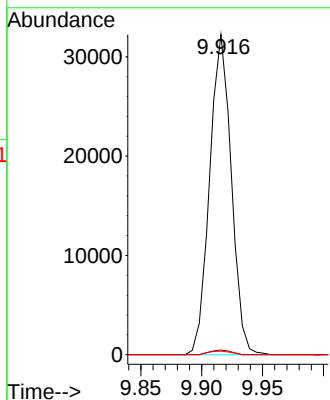
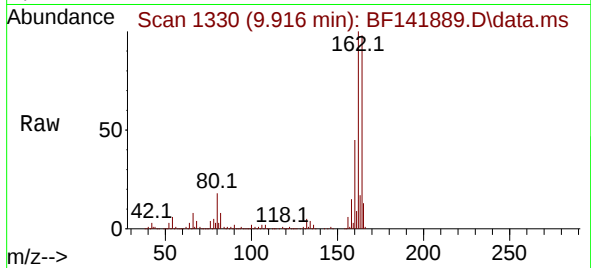
Tgt Ion:165 Resp: 39924

Ion Ratio Lower Upper

165 100

63 1.5 49.5 74.3#

89 1.1 49.0 73.4#



#53

3-Nitroaniline

Concen: 3.015 ng

RT: 10.110 min Scan# 1363

Delta R.T. 0.235 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

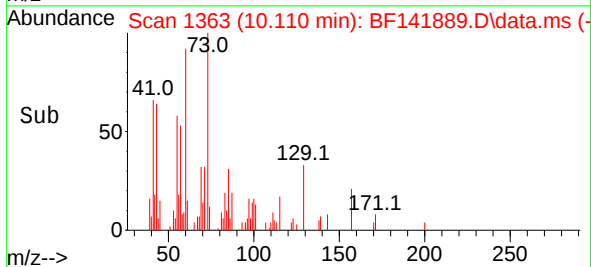
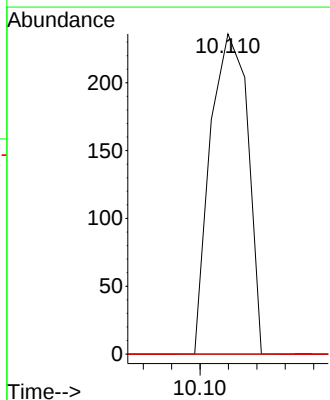
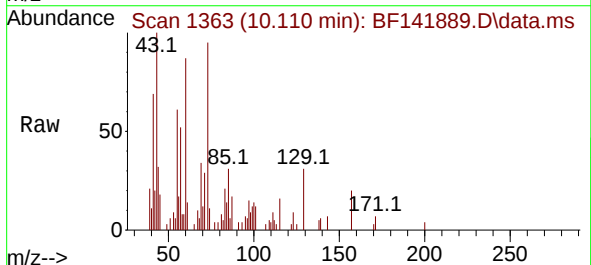
Tgt Ion:138 Resp: 216

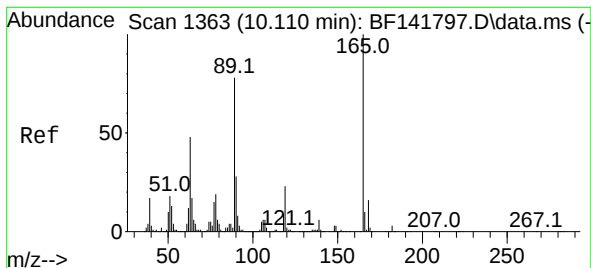
Ion Ratio Lower Upper

138 100

108 0.0 12.7 19.1#

92 0.0 97.9 146.9#





#57

2,4-Dinitrotoluene

Concen: 11.165 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.194 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

Tgt Ion:165 Resp: 39924

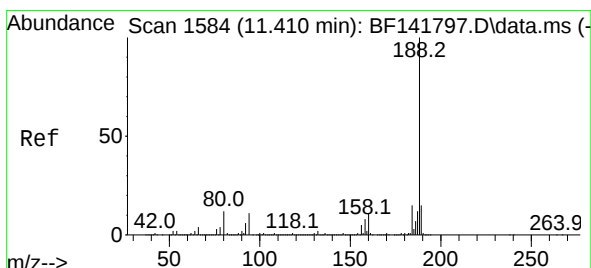
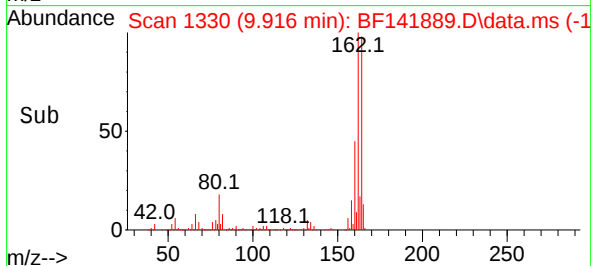
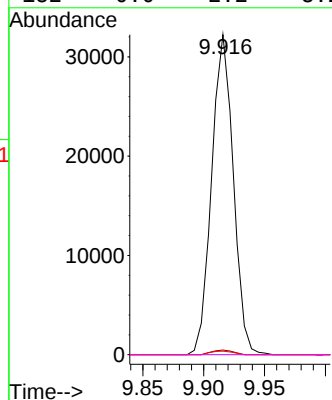
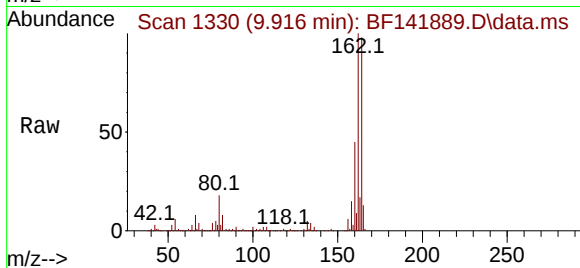
Ion Ratio Lower Upper

165 100

63 1.5 38.8 58.2#

89 1.1 62.6 94.0#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

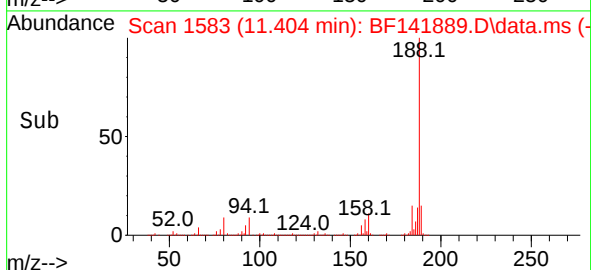
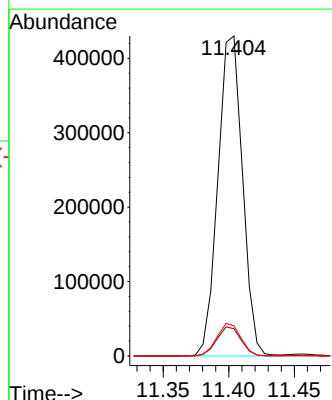
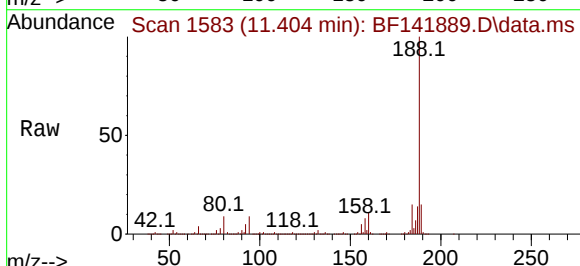
Tgt Ion:188 Resp: 560648

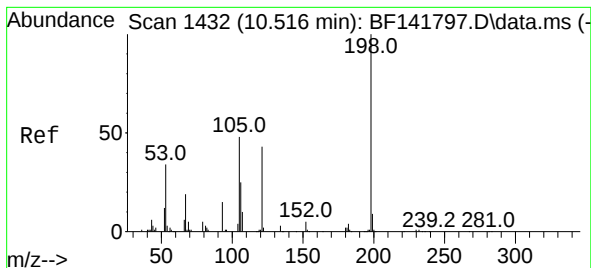
Ion Ratio Lower Upper

188 100

94 8.5 8.9 13.3#

80 9.4 9.7 14.5#

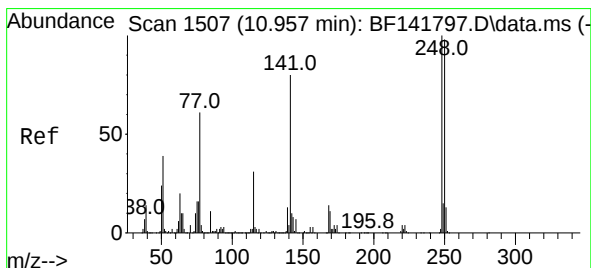
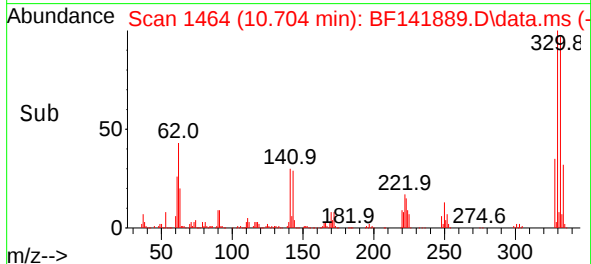
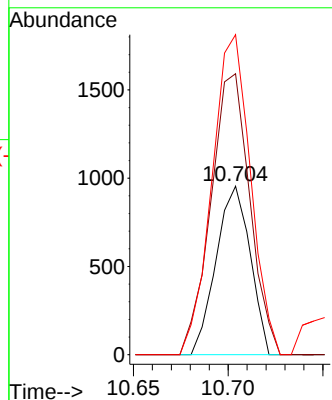
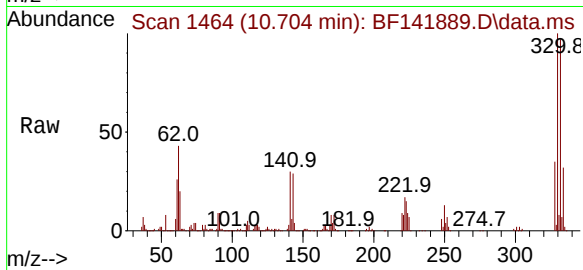




#65
4,6-Dinitro-2-methylphenol
Concen: 8.501 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

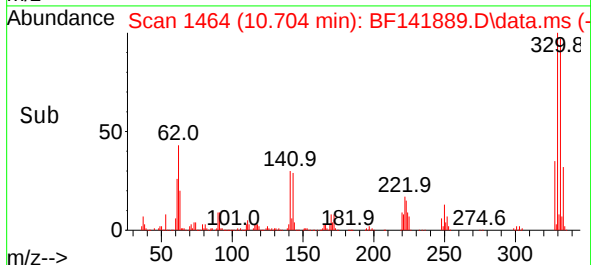
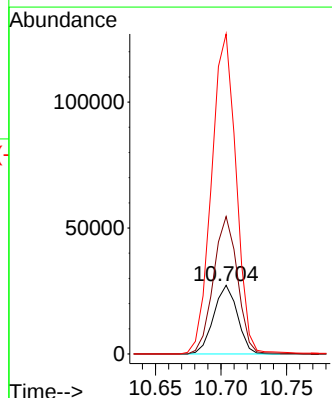
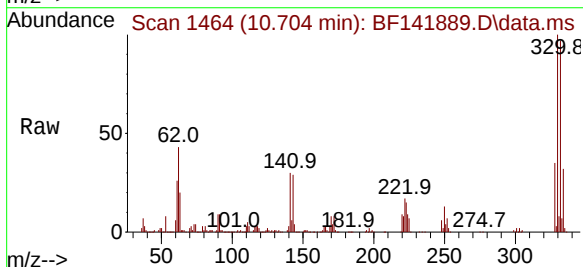
Instrument :
BNA_F
ClientSampleId :
WC-K1311

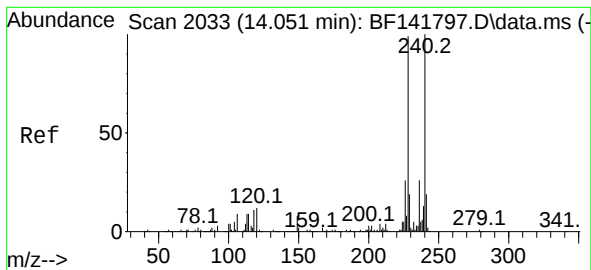
Tgt Ion:198 Resp: 1192
Ion Ratio Lower Upper
198 100
51 166.7 32.1 72.1#
105 189.8 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 5.247 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141889.D
Acq: 07 Mar 2025 12:29

Tgt Ion:248 Resp: 34359
Ion Ratio Lower Upper
248 100
250 200.5 78.1 117.1#
141 466.6 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: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

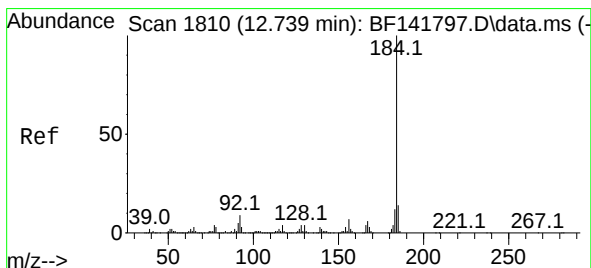
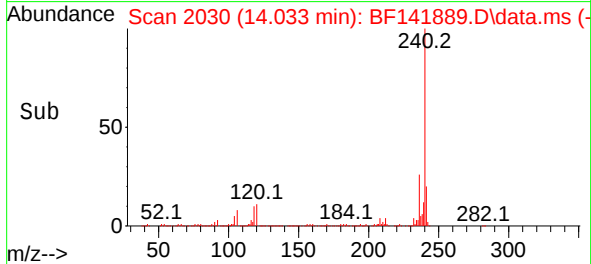
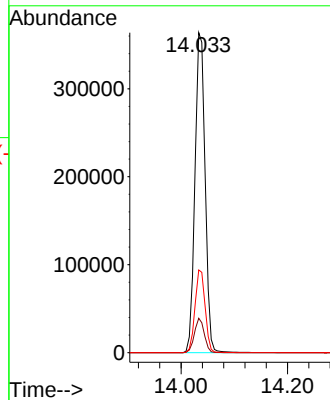
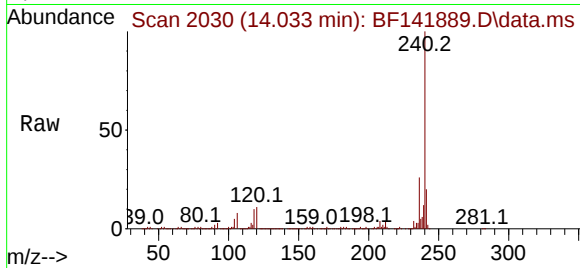
Tgt Ion:240 Resp: 481292

Ion Ratio Lower Upper

240 100

120 10.8 9.7 14.5

236 25.8 21.0 31.4



#77

Benzidine

Concen: 5.693 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

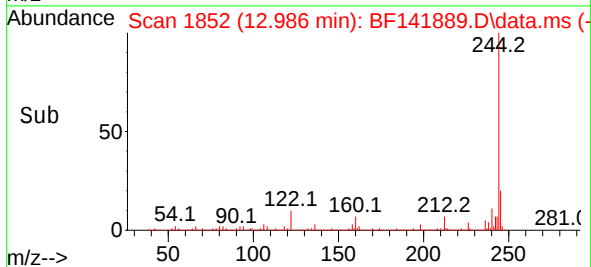
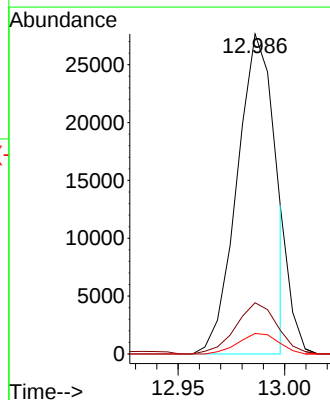
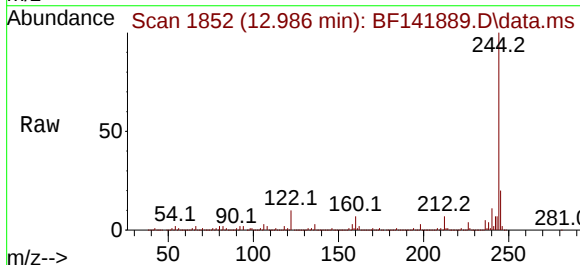
Tgt Ion:184 Resp: 34487

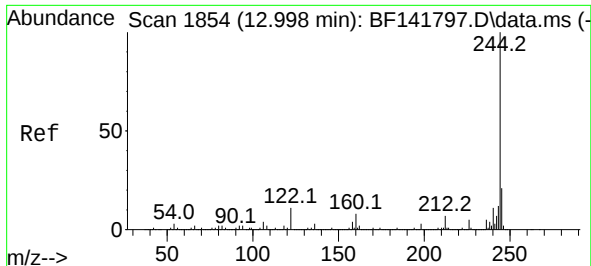
Ion Ratio Lower Upper

184 100

185 16.0 11.6 17.4

183 6.4 9.4 14.0#





#79

Terphenyl-d14

Concen: 86.733 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141889.D

Acq: 07 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

WC-K1311

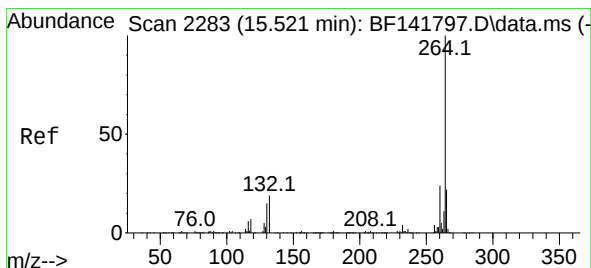
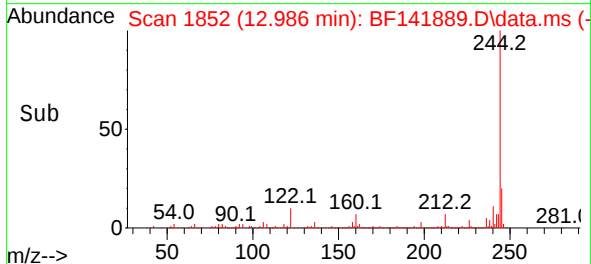
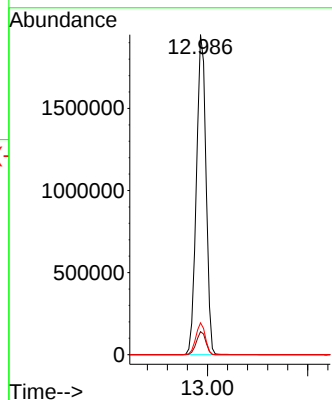
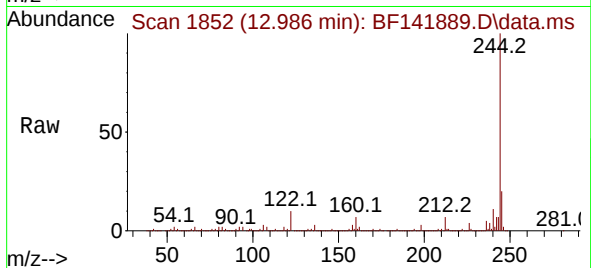
Tgt Ion:244 Resp: 2580113

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.0 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: BF141889.D

Acq: 07 Mar 2025 12:29

Tgt Ion:264 Resp: 364512

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.0 17.4 26.0

