

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143030.D
 Acq On : 08 Jul 2025 13:31
 Operator : RC/JU
 Sample : Q2514-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-36

Quant Time: Jul 08 14:02:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

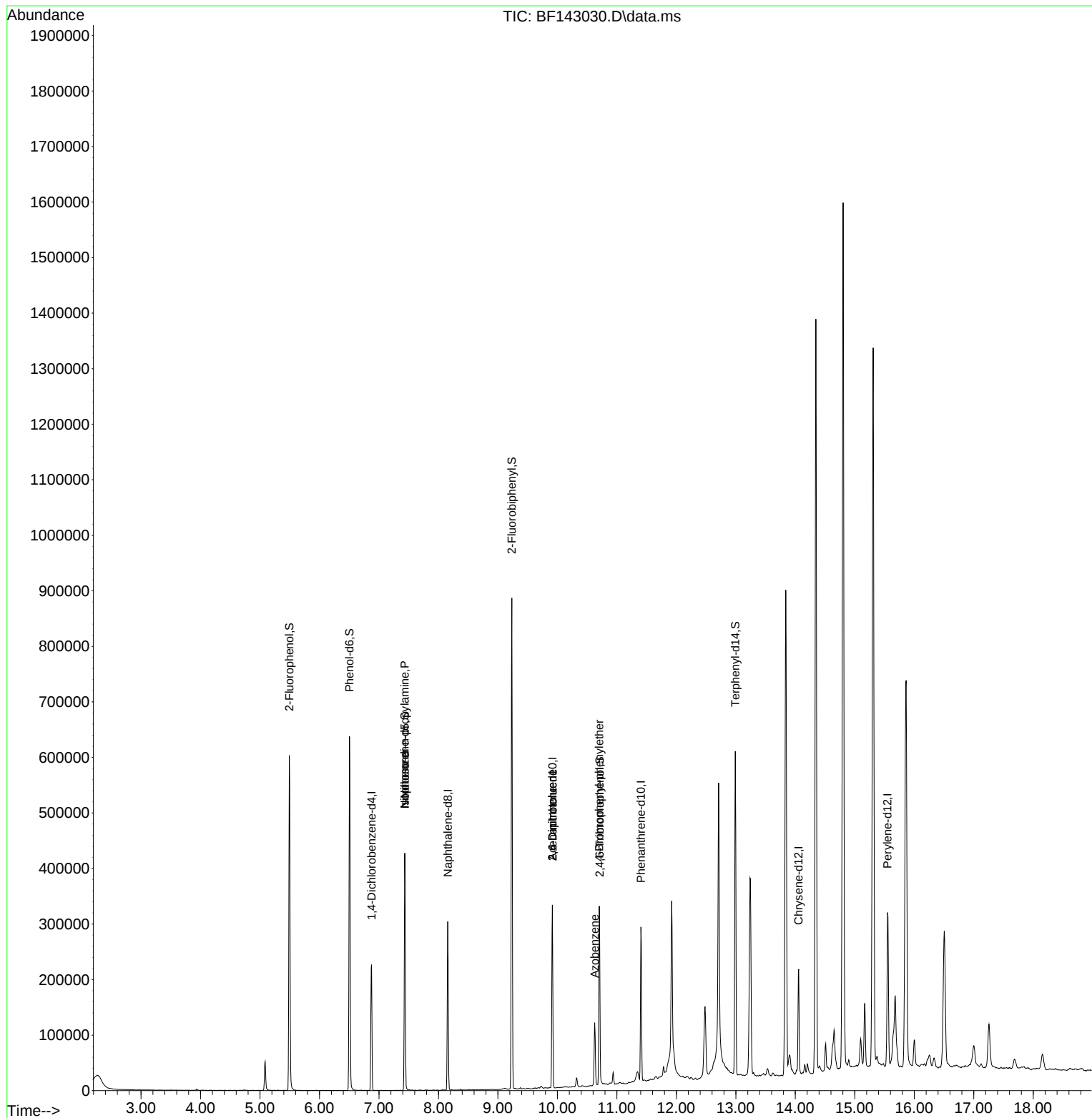
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51623	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	191789	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	97372	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	145951	20.000	ng	0.00
76) Chrysene-d12	14.057	240	94013	20.000	ng	0.00
86) Perylene-d12	15.551	264	119996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	242500	78.210	ng	0.00
7) Phenol-d6	6.504	99	291865	79.785	ng	0.00
23) Nitrobenzene-d5	7.434	82	177442	50.748	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	56352	56.238	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	388089	52.358	ng	-0.01
79) Terphenyl-d14	12.992	244	276181	40.590	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	23840	11.205	ng	# 76
25) Isophorone	7.434	82	177440	31.635	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12607	9.108	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12607	6.857	ng	# 26
63) Azobenzene	10.627	77	21018	3.805	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	3454	2.079	ng	# 1

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

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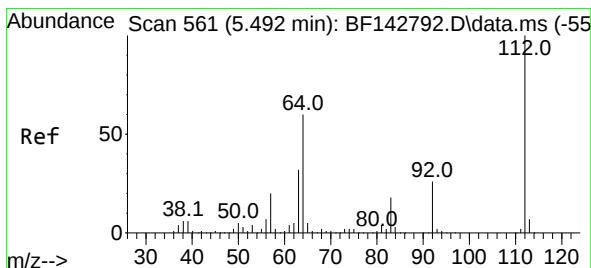
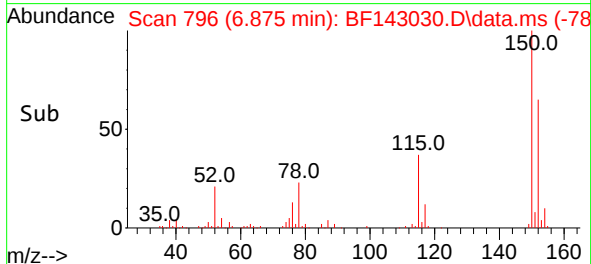
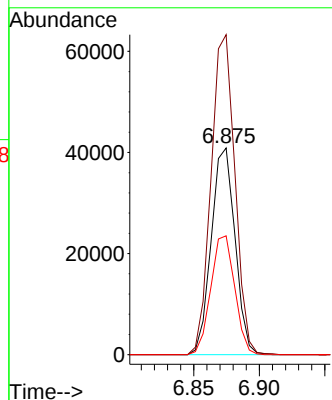
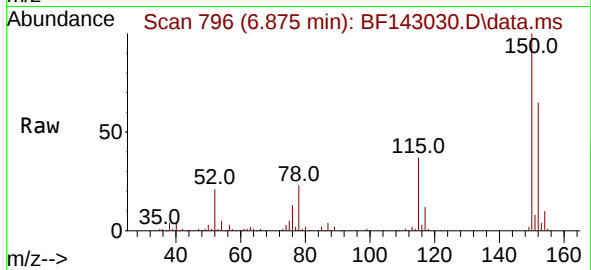




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143030.D
 Acq: 08 Jul 2025 13:31

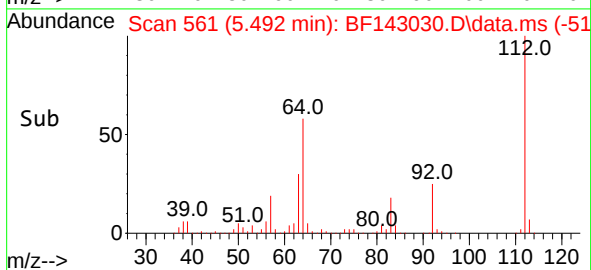
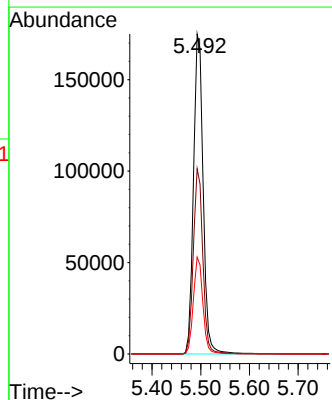
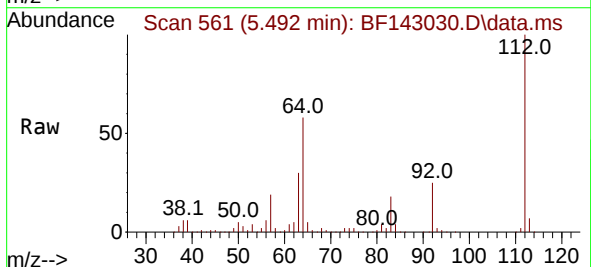
Instrument :
 BNA_F
 ClientSampleId :
 TP-36

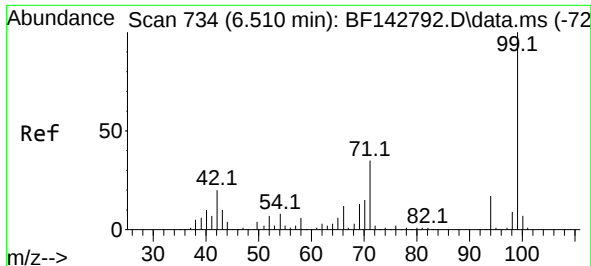
Tgt Ion:152 Resp: 51623
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.2 190.8
 115 57.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 78.210 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF143030.D
 Acq: 08 Jul 2025 13:31

Tgt Ion:112 Resp: 242500
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.2 72.2
 63 30.2 25.7 38.5

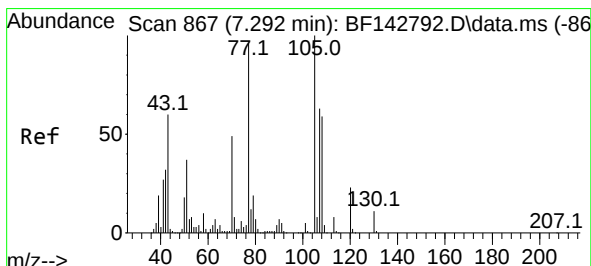
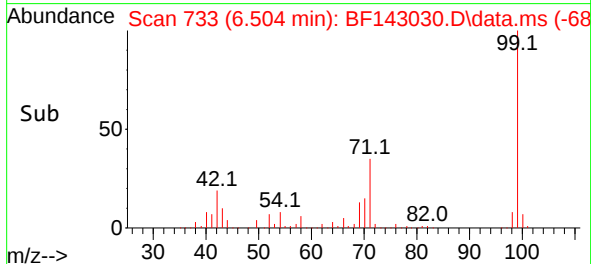
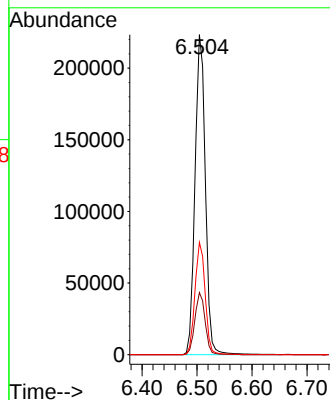
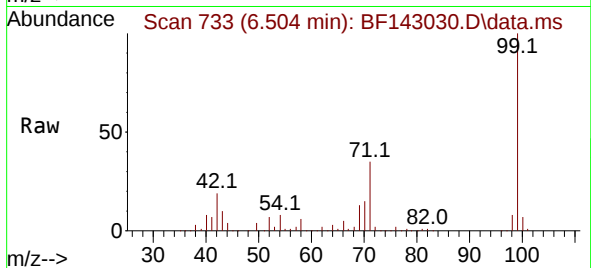




#7
Phenol-d6
Concen: 79.785 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

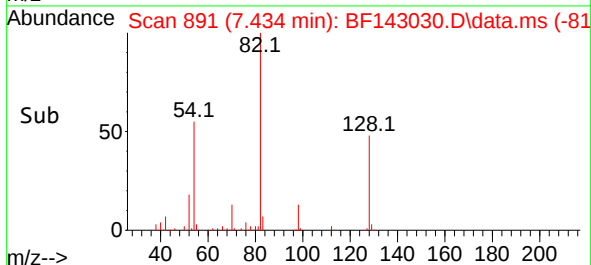
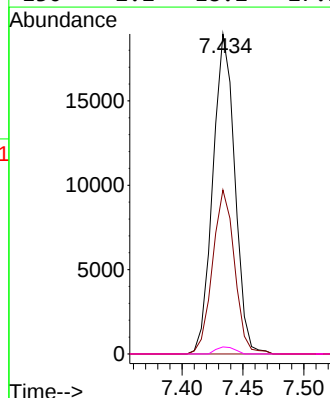
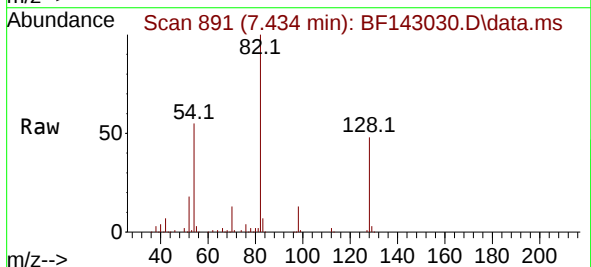
Instrument :
BNA_F
ClientSampleId :
TP-36

Tgt Ion: 99 Resp: 291865
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.205 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion: 70 Resp: 23840
Ion Ratio Lower Upper
70 100
42 51.3 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

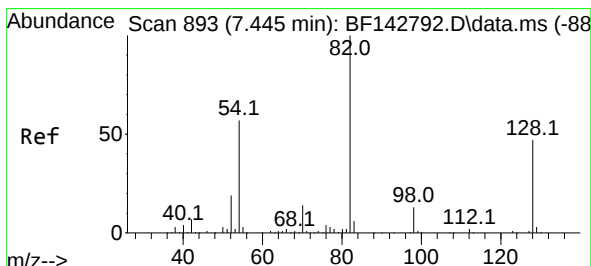
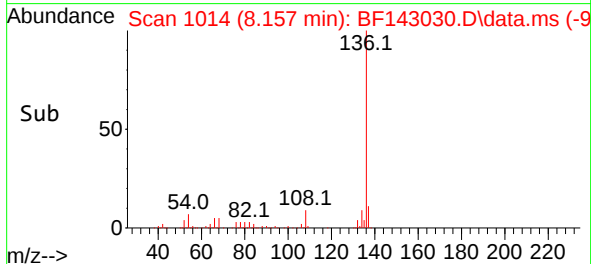
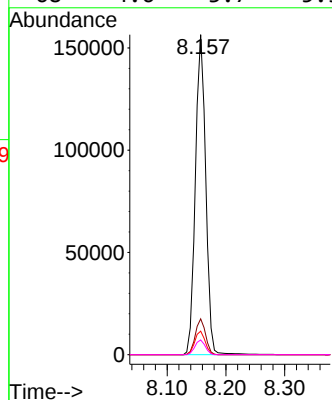
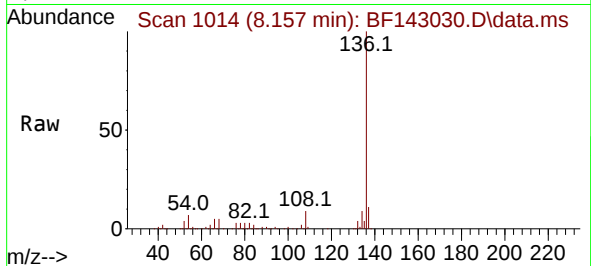




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

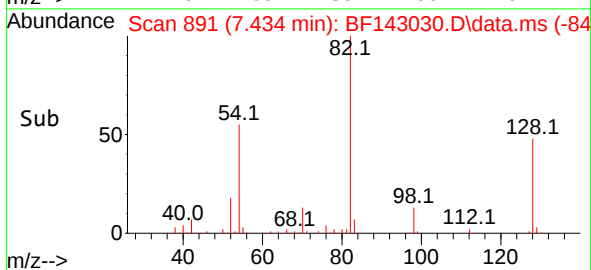
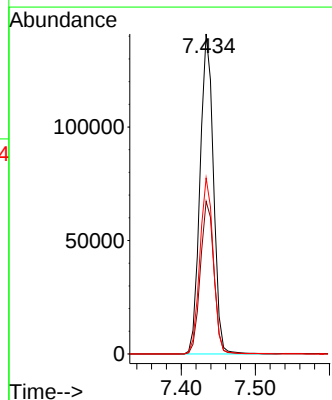
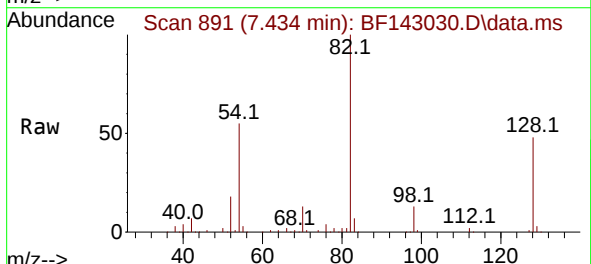
Instrument :
BNA_F
ClientSampleId :
TP-36

Tgt Ion:136 Resp: 191789
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 7.4 6.3 9.5
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 50.748 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion: 82 Resp: 177442
Ion Ratio Lower Upper
82 100
128 47.7 37.7 56.5
54 55.0 45.7 68.5

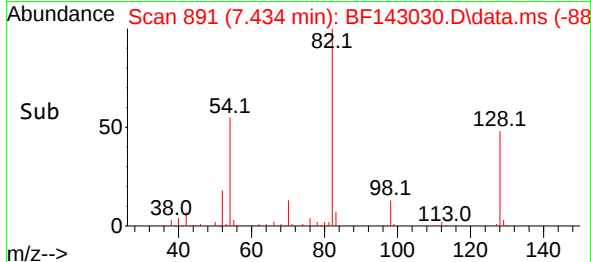
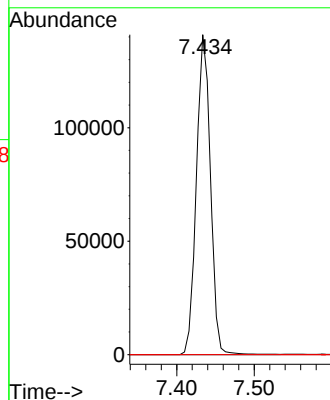
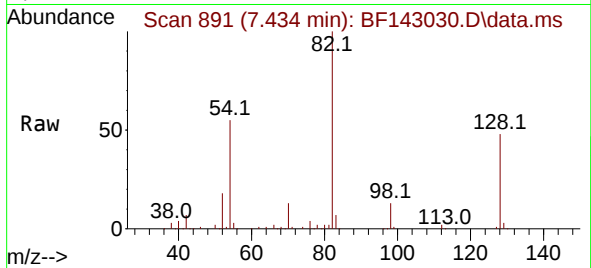




#25
Isophorone
Concen: 31.635 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

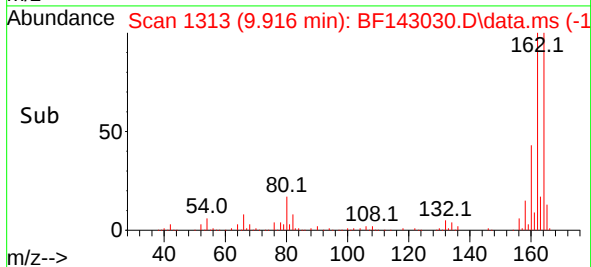
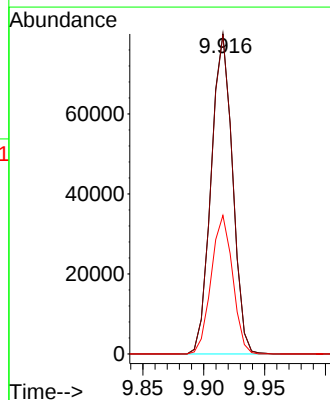
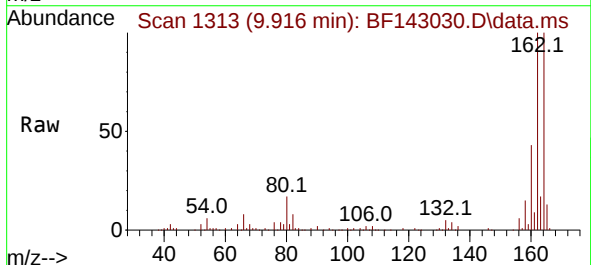
Instrument :
BNA_F
ClientSampleId :
TP-36

Tgt Ion: 82 Resp: 177440
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion:164 Resp: 97372
Ion Ratio Lower Upper
164 100
162 99.6 81.8 122.8
160 43.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 56.238 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

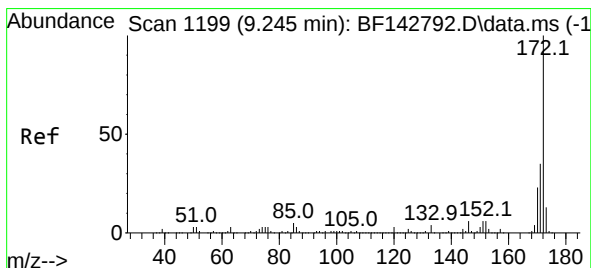
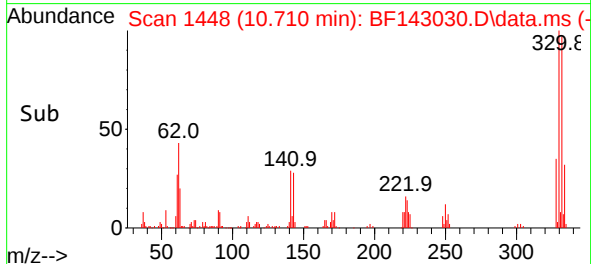
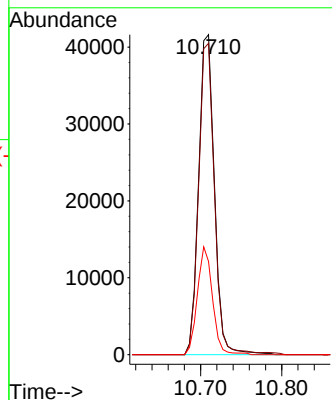
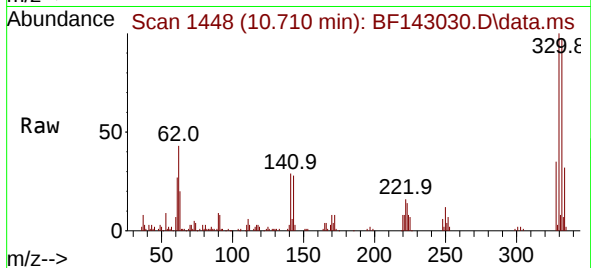
Tgt Ion:330 Resp: 56352

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 52.358 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

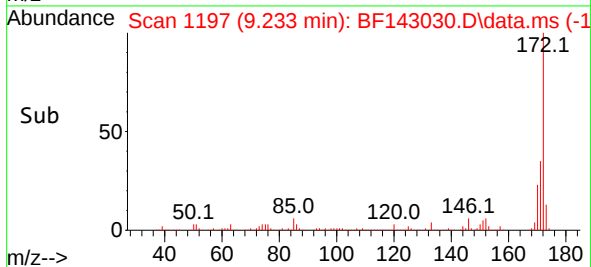
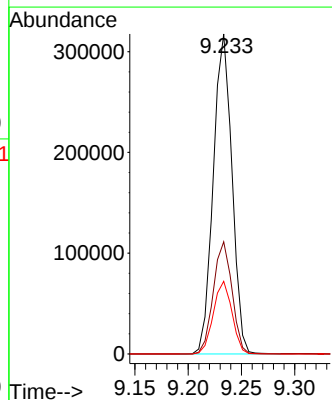
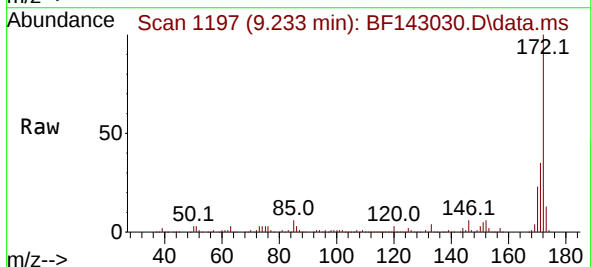
Tgt Ion:172 Resp: 388089

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 18.5 27.7

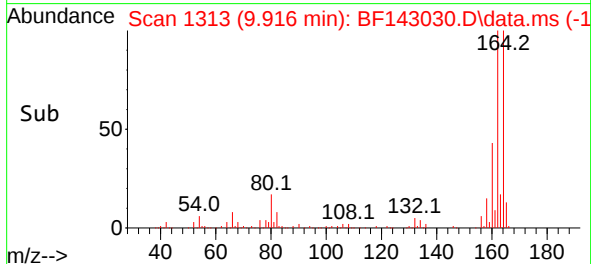
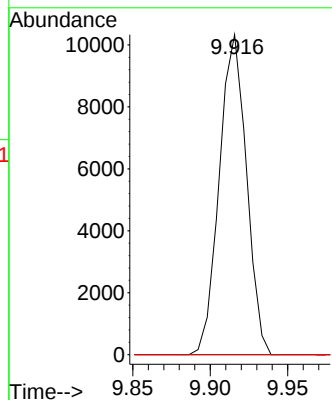
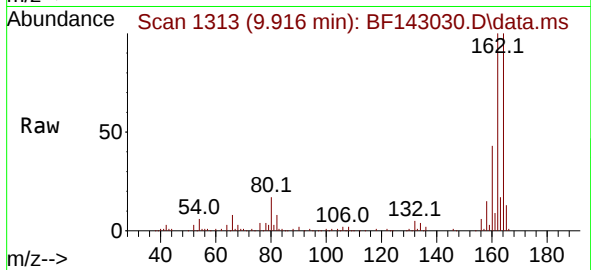




#51
2,6-Dinitrotoluene
Concen: 9.108 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

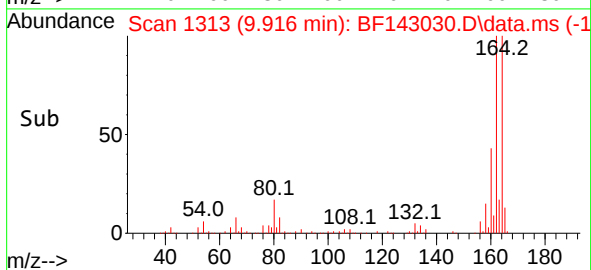
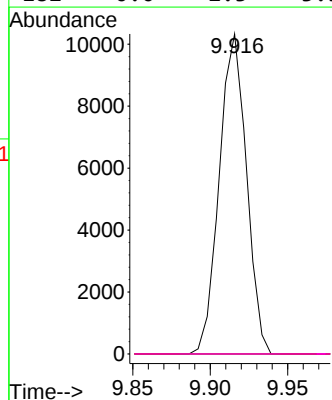
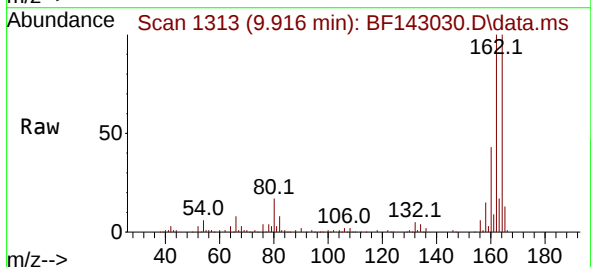
Instrument :
BNA_F
ClientSampleId :
TP-36

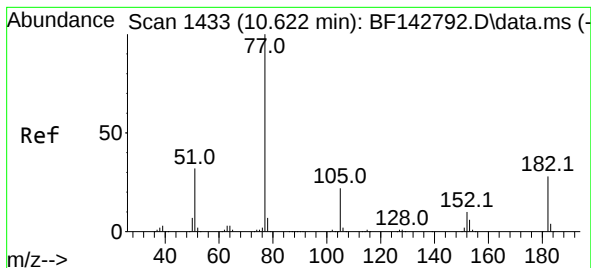
Tgt Ion:165 Resp: 12607
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.857 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion:165 Resp: 12607
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.805 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

Tgt Ion: 77 Resp: 21018

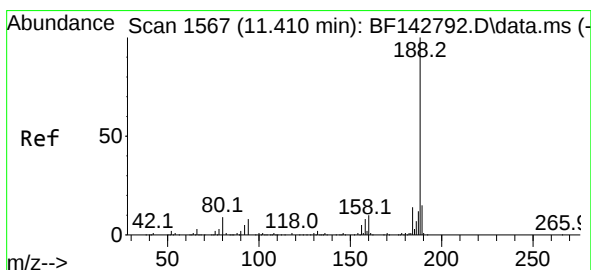
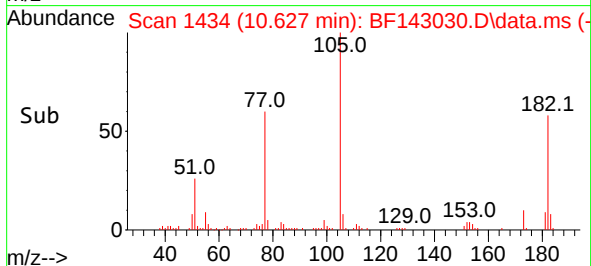
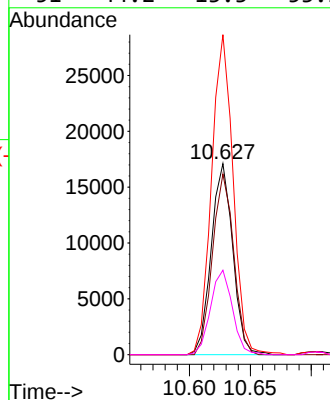
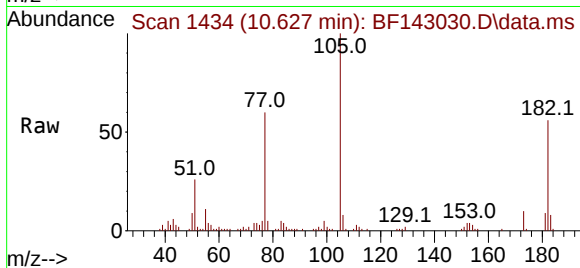
Ion Ratio Lower Upper

77 100

182 94.6 7.7 47.7#

105 167.5 1.9 41.9#

51 44.2 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

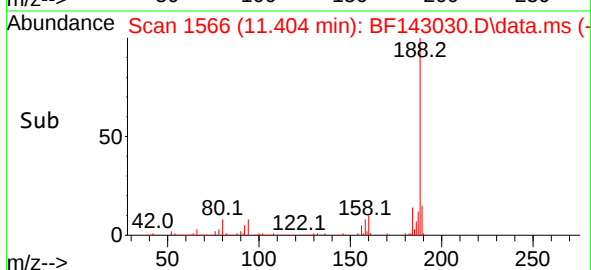
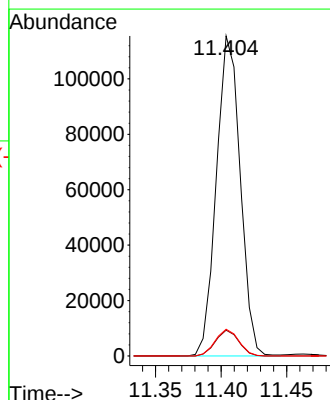
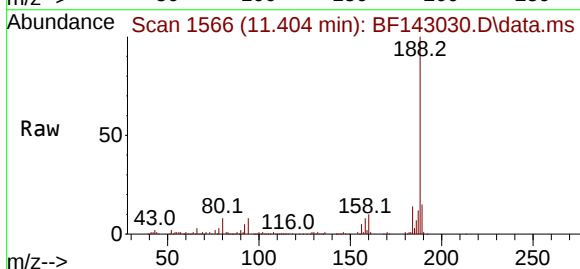
Tgt Ion: 188 Resp: 145951

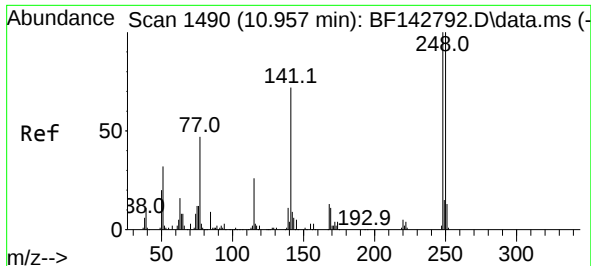
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

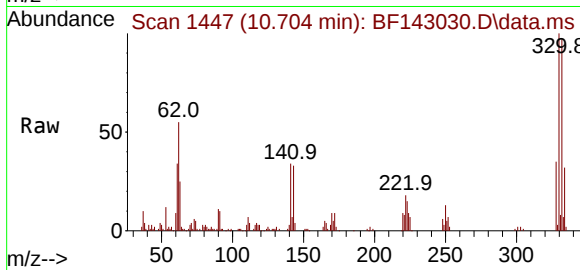
80 8.4 6.9 10.3



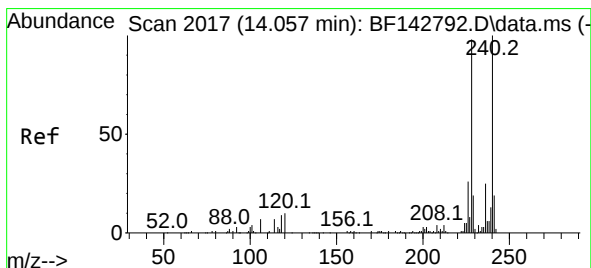
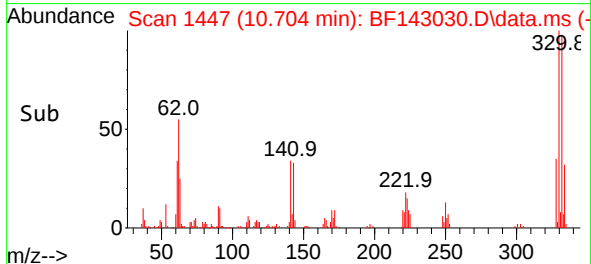
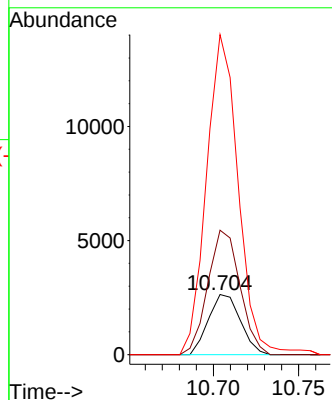


#67
4-Bromophenyl-phenylether
Concen: 2.079 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Instrument :
BNA_F
ClientSampleId :
TP-36

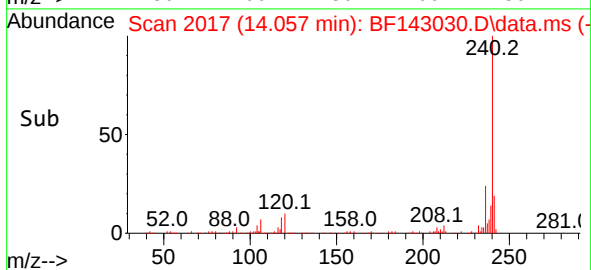
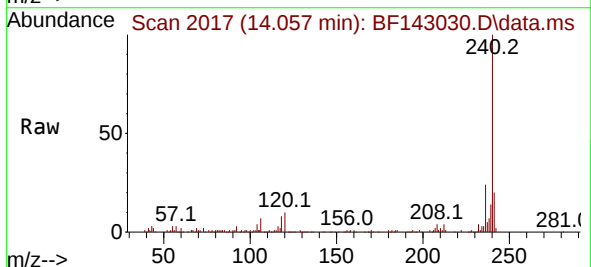
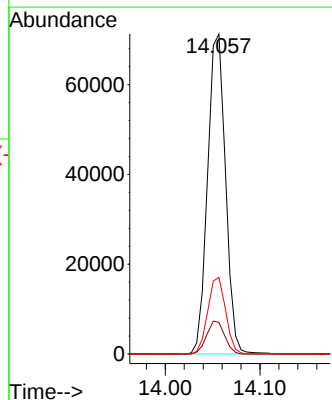


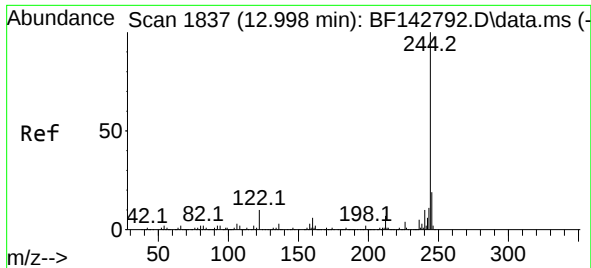
Tgt Ion:248 Resp: 3454
Ion Ratio Lower Upper
248 100
250 207.2 79.8 119.8#
141 532.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion:240 Resp: 94013
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 23.9 19.8 29.8

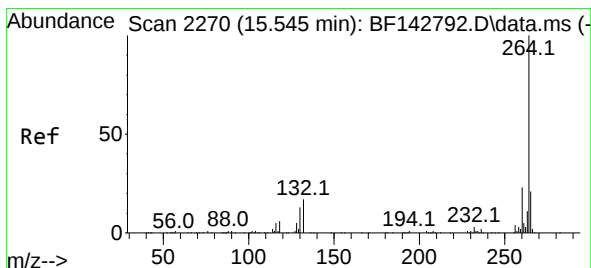
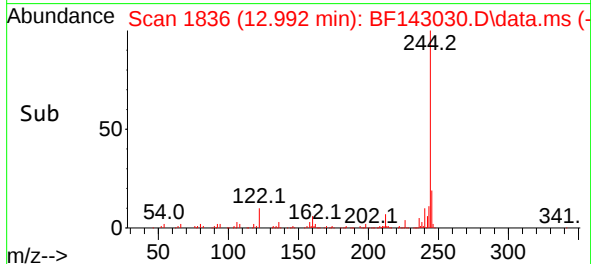
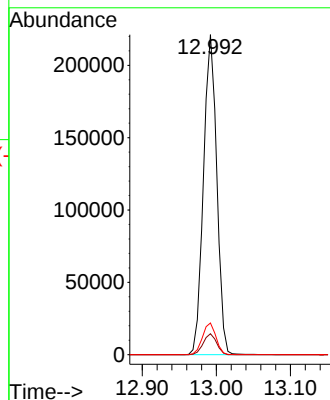
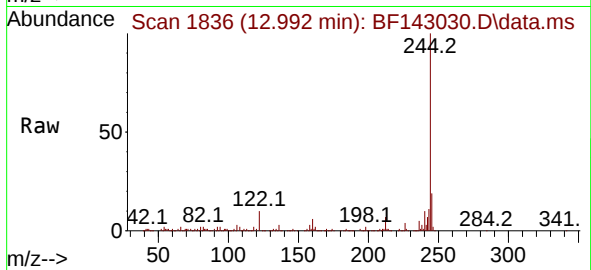




#79
 Terphenyl-d14
 Concen: 40.590 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143030.D
 Acq: 08 Jul 2025 13:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-36

Tgt Ion:244 Resp: 276181
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF143030.D
 Acq: 08 Jul 2025 13:31

Tgt Ion:264 Resp: 119996
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.1 27.1
 265 21.4 16.6 25.0

