

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142945.D
 Acq On : 01 Jul 2025 12:48
 Operator : RC/JU
 Sample : PB168646BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168646BL

Quant Time: Jul 01 13:11:58 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)

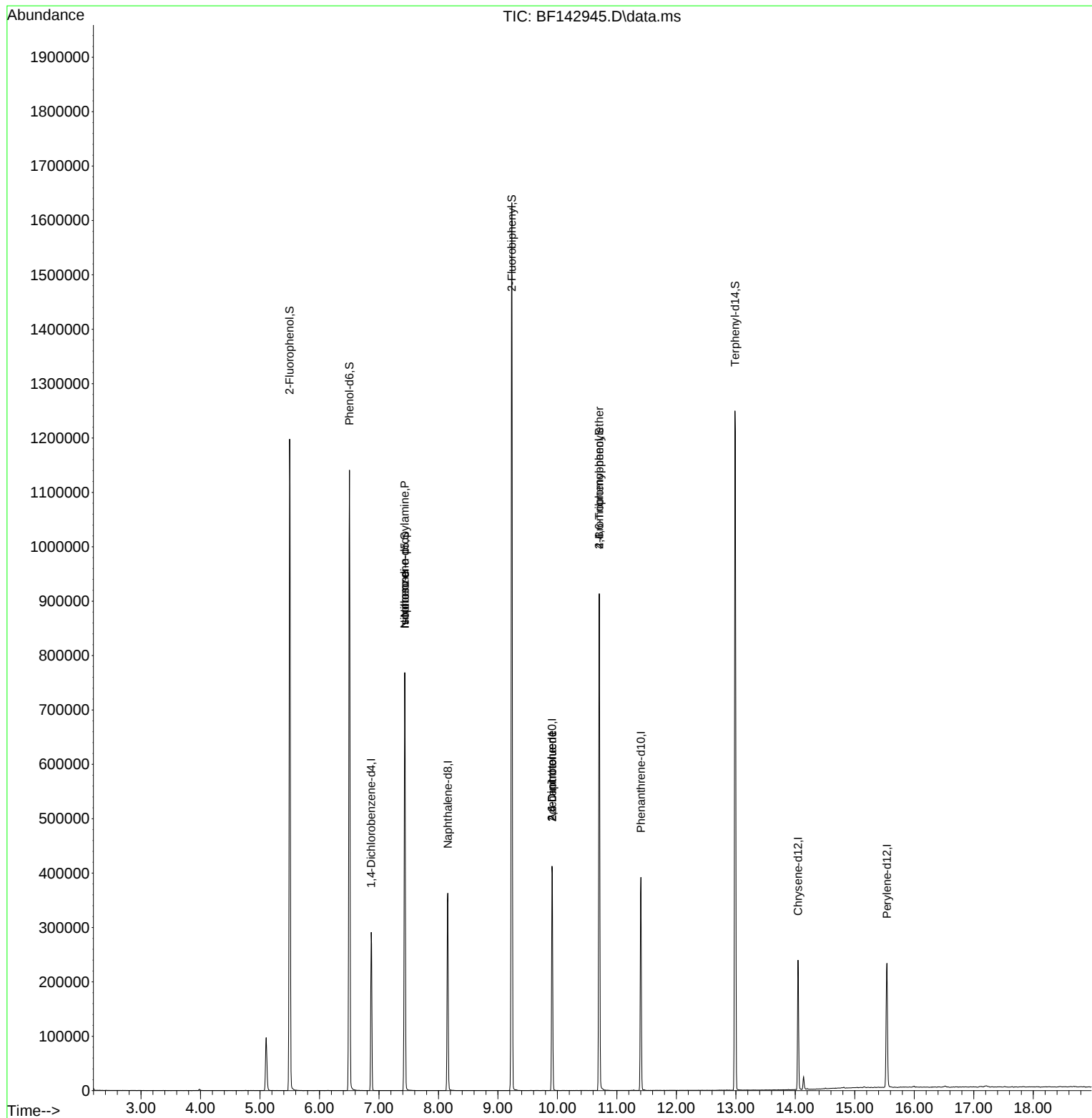
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	65784	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	250159	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	131111	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	213543	20.000	ng	0.00
76) Chrysene-d12	14.045	240	120986	20.000	ng	-0.01
86) Perylene-d12	15.539	264	139764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	467248	118.256	ng	0.00
7) Phenol-d6	6.504	99	556227	119.321	ng	0.00
23) Nitrobenzene-d5	7.434	82	346047	75.876	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	159876	118.495	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	752155	75.362	ng	-0.01
79) Terphenyl-d14	12.986	244	628647	71.794	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	47071	17.362	ng	# 73
25) Isophorone	7.434	82	343640	46.970	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	16575	8.893	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	16575	6.695	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	9724	4.001	ng	# 1

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

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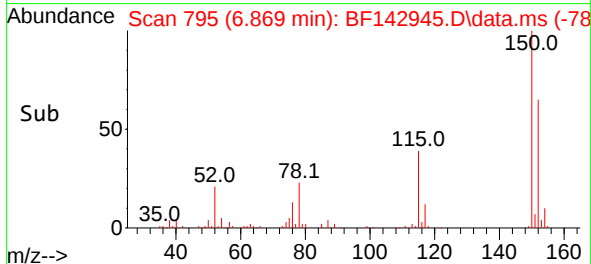
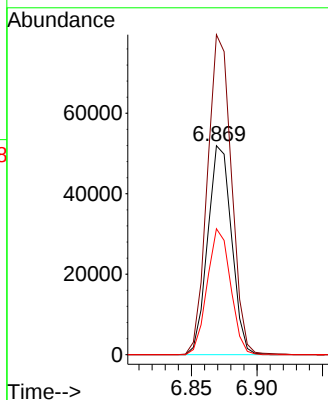
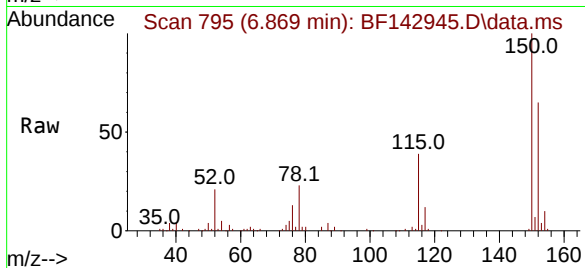




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142945.D
 Acq: 01 Jul 2025 12:48

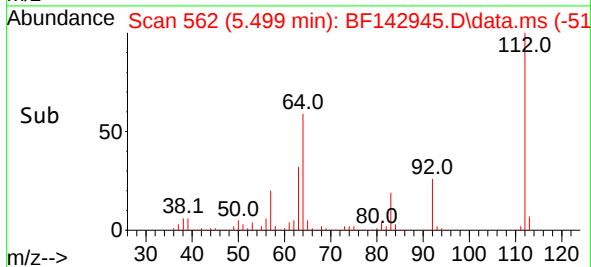
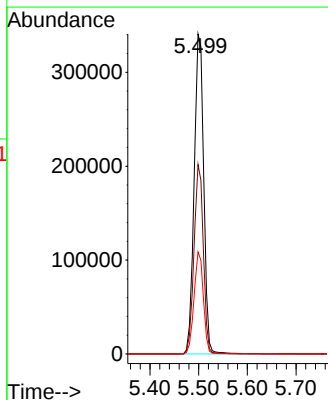
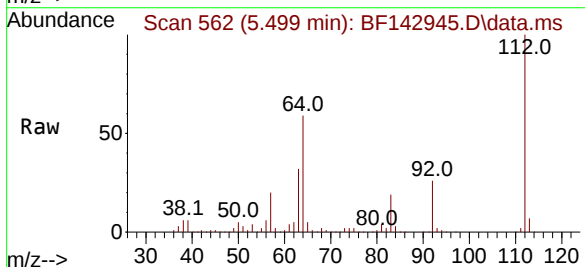
Instrument :
 BNA_F
 ClientSampleId :
 PB168646BL

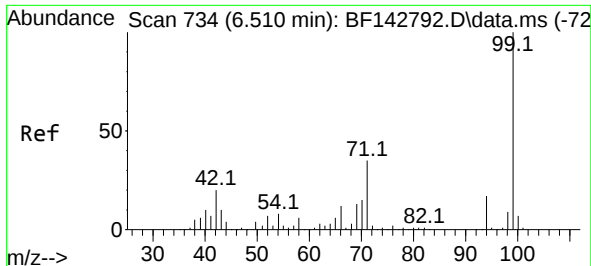
Tgt Ion:152 Resp: 65784
 Ion Ratio Lower Upper
 152 100
 150 153.2 127.2 190.8
 115 60.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 118.256 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142945.D
 Acq: 01 Jul 2025 12:48

Tgt Ion:112 Resp: 467248
 Ion Ratio Lower Upper
 112 100
 64 59.2 48.2 72.2
 63 31.9 25.7 38.5

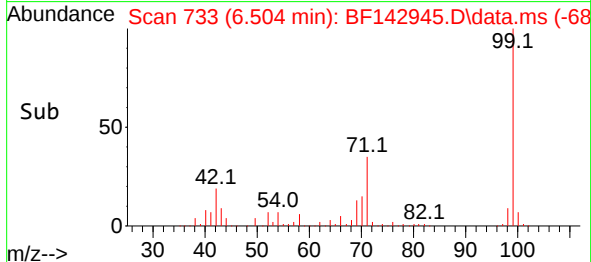
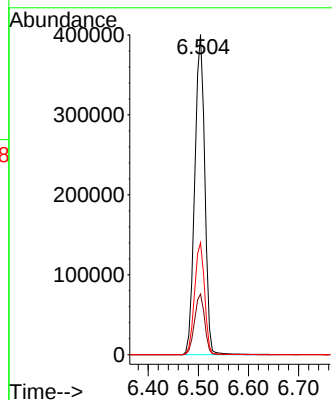
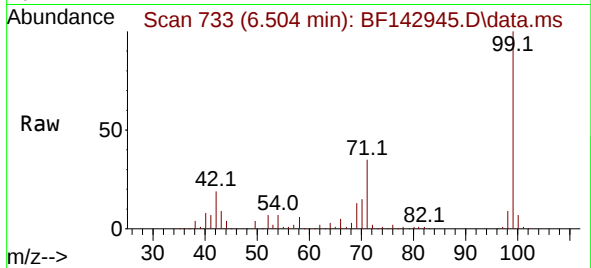




#7
Phenol-d6
Concen: 119.321 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

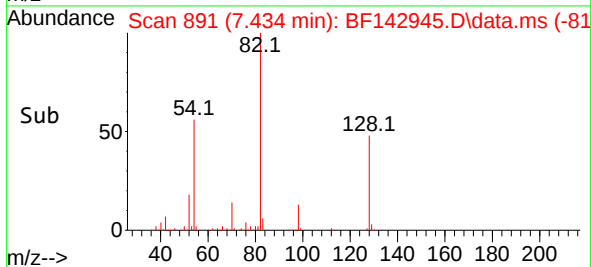
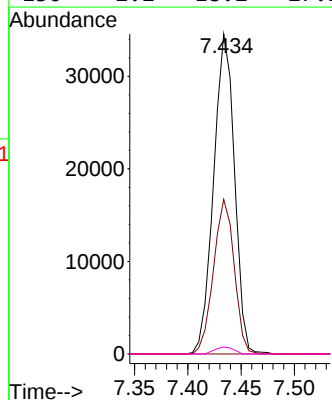
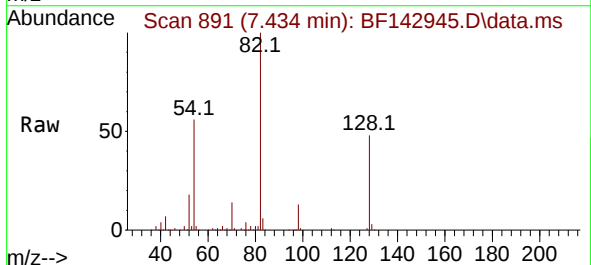
Instrument :
BNA_F
ClientSampleId :
PB168646BL

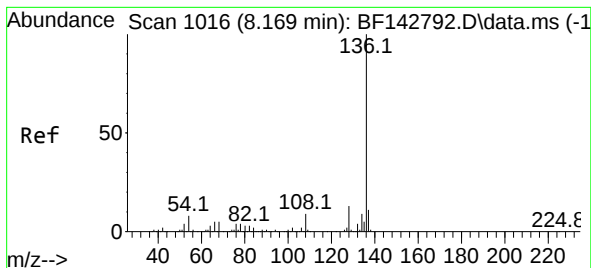
Tgt Ion: 99 Resp: 556227
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.362 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

Tgt Ion: 70 Resp: 47071
Ion Ratio Lower Upper
70 100
42 48.3 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: BF142945.D

Acq: 01 Jul 2025 12:48

Instrument :

BNA_F

ClientSampleId :

PB168646BL

Tgt Ion:136 Resp: 250159

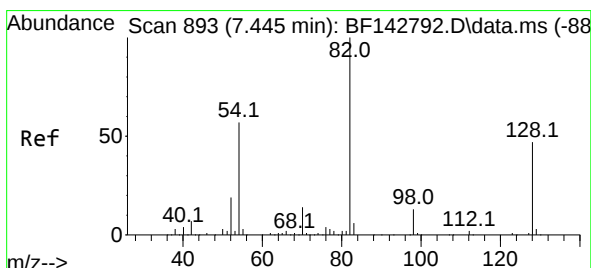
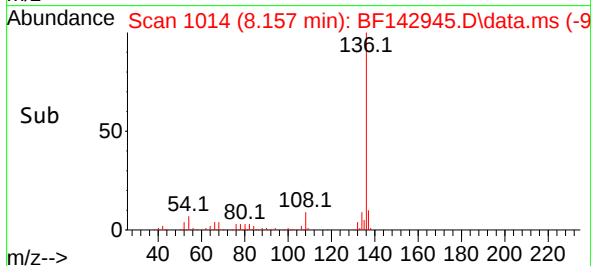
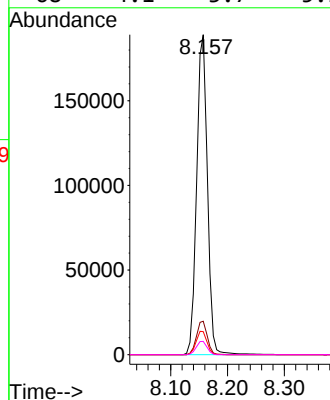
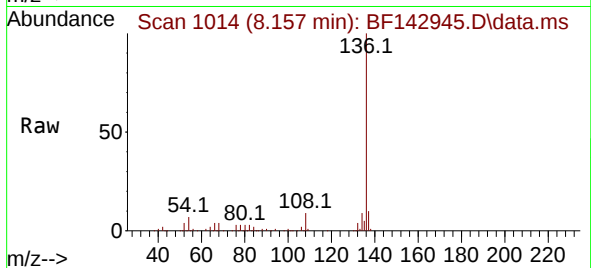
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.2 6.3 9.5

68 4.1 3.7 5.5



#23

Nitrobenzene-d5

Concen: 75.876 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142945.D

Acq: 01 Jul 2025 12:48

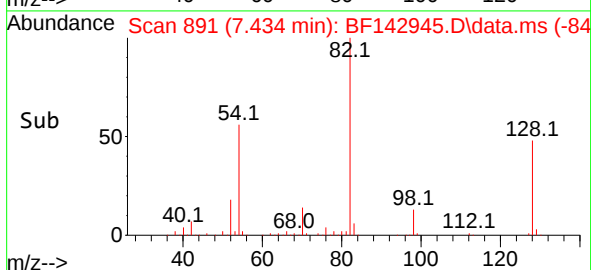
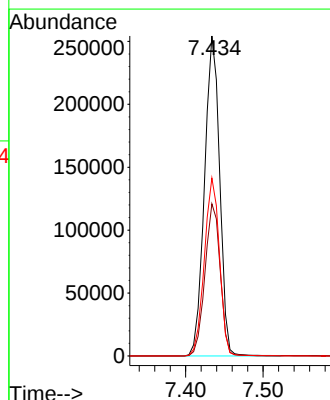
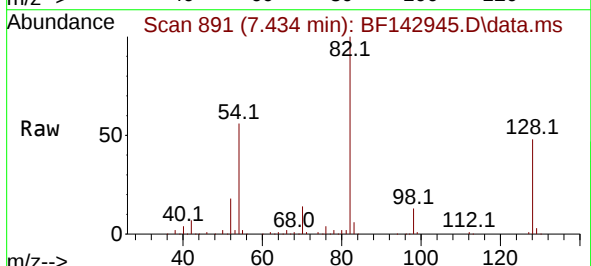
Tgt Ion: 82 Resp: 346047

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.6 45.7 68.5

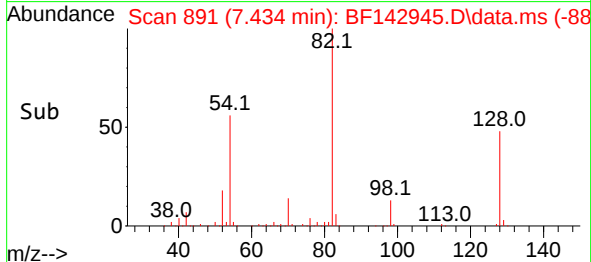
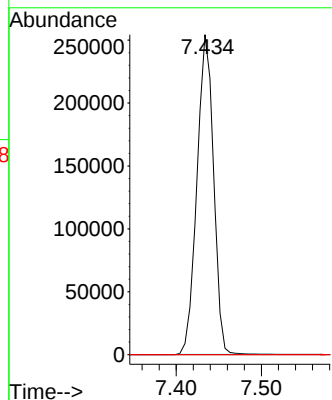
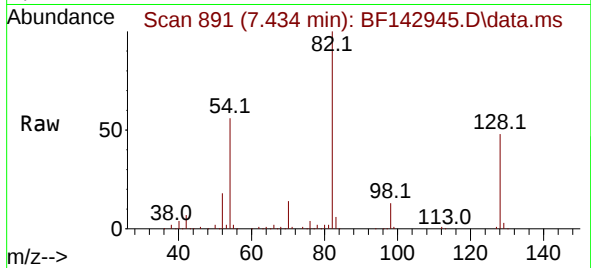




#25
Isophorone
Concen: 46.970 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

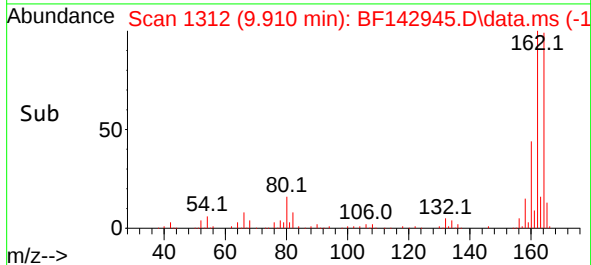
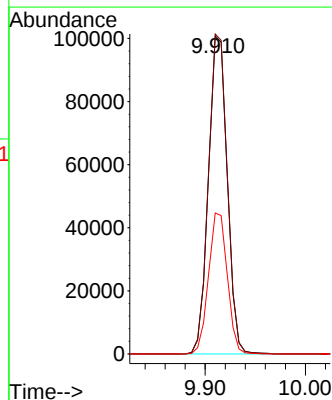
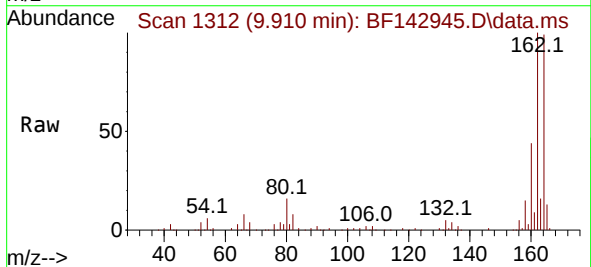
Instrument :
BNA_F
ClientSampleId :
PB168646BL

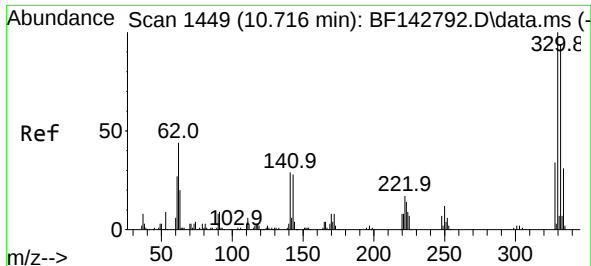
Tgt Ion: 82 Resp: 343640
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

Tgt Ion:164 Resp: 131111
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 118.495 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142945.D

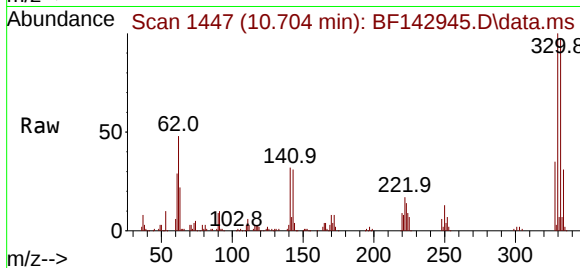
Acq: 01 Jul 2025 12:48

Instrument :

BNA_F

ClientSampleId :

PB168646BL



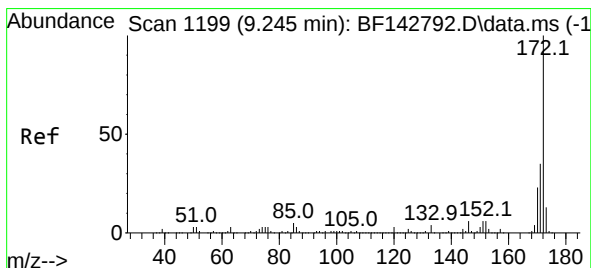
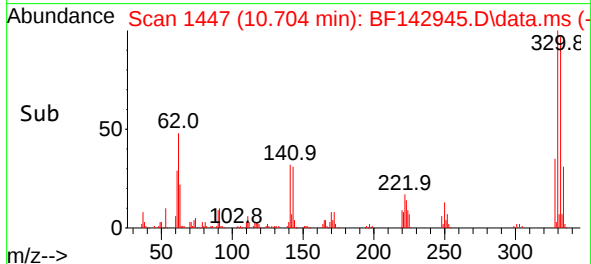
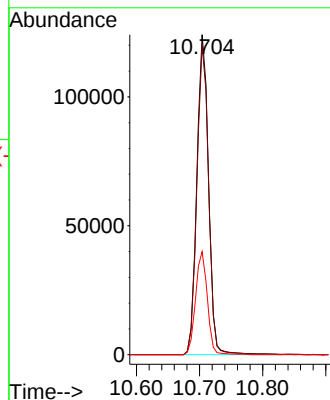
Tgt Ion:330 Resp: 159876

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 75.362 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142945.D

Acq: 01 Jul 2025 12:48

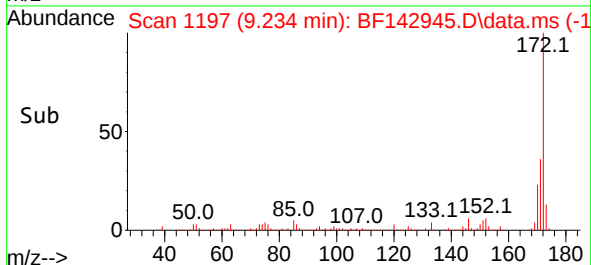
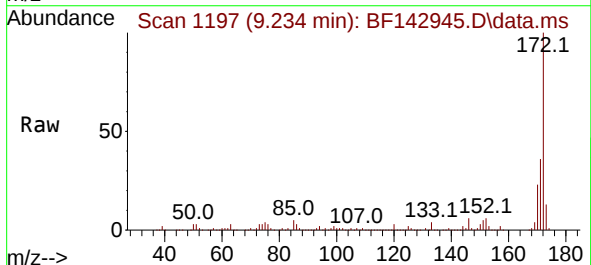
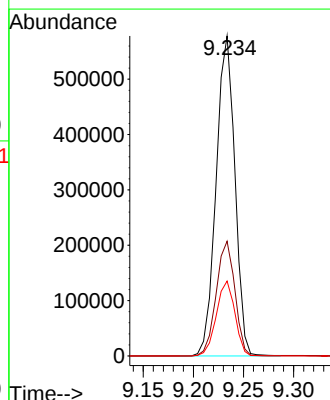
Tgt Ion:172 Resp: 752155

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.4 18.5 27.7

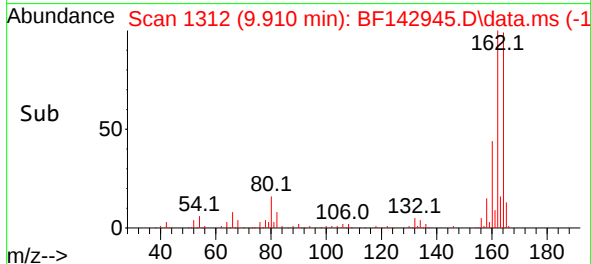
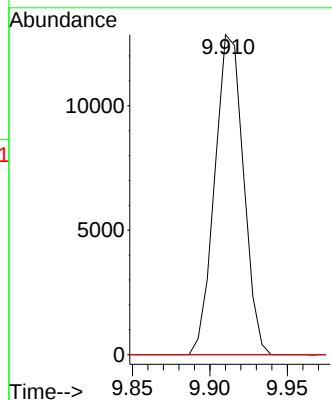
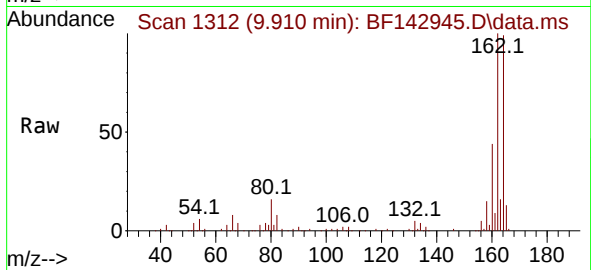




#51
2,6-Dinitrotoluene
Concen: 8.893 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

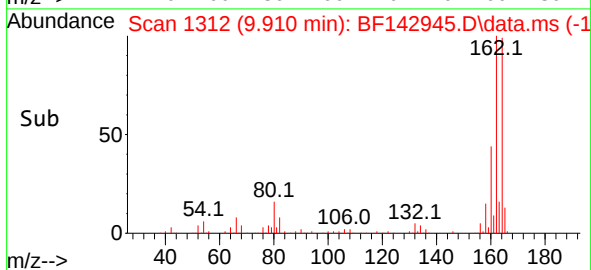
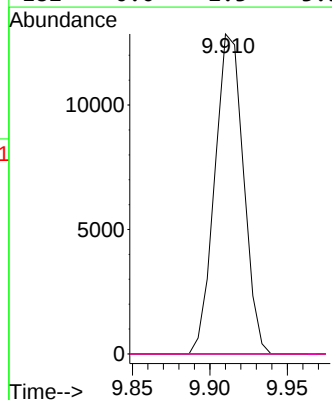
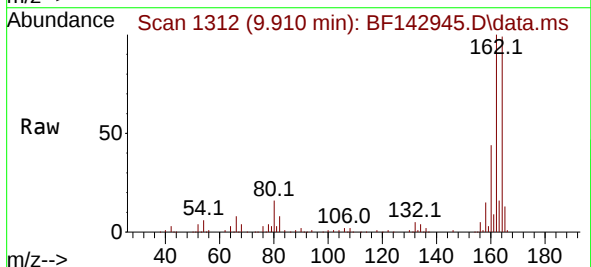
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ClientSampleId :
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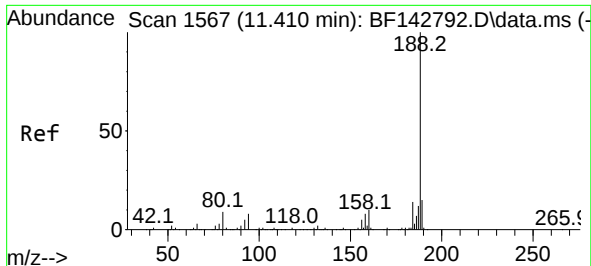
Tgt Ion:165 Resp: 16575
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.695 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

Tgt Ion:165 Resp: 16575
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#

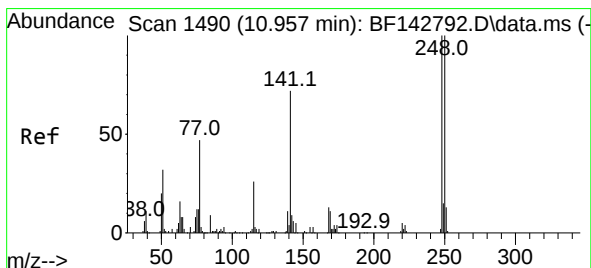
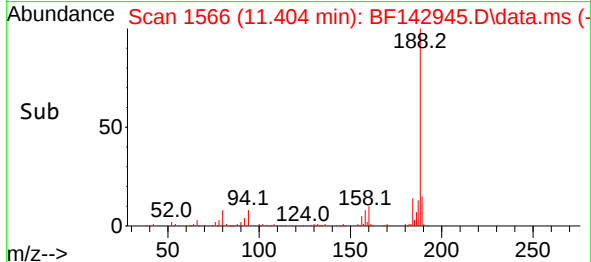
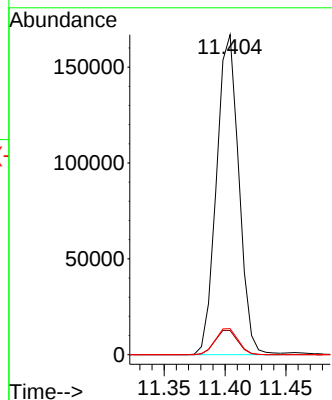
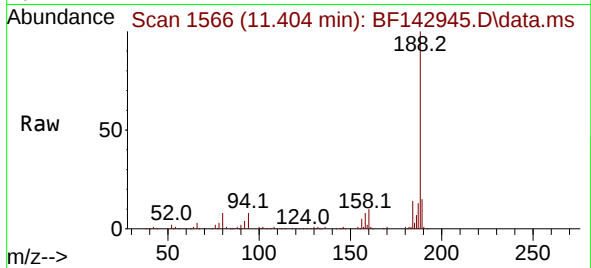




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

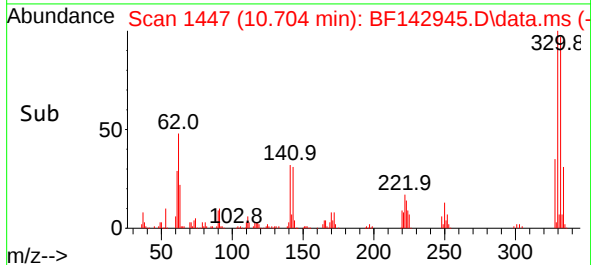
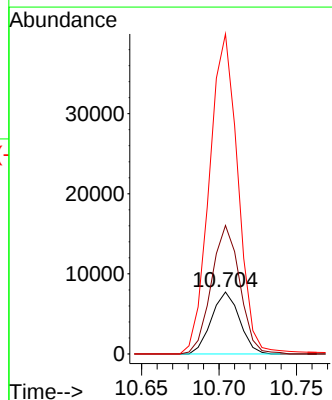
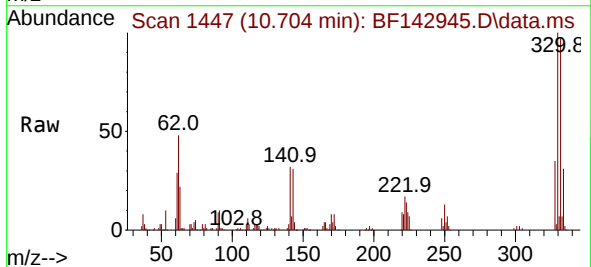
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ClientSampleId :
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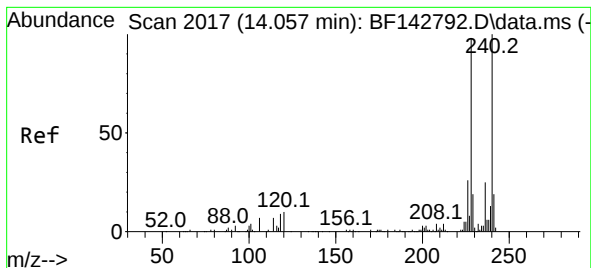
Tgt Ion:188 Resp: 213543
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.2 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.001 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142945.D
Acq: 01 Jul 2025 12:48

Tgt Ion:248 Resp: 9724
Ion Ratio Lower Upper
248 100
250 207.7 79.8 119.8#
141 517.2 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142945.D

Acq: 01 Jul 2025 12:48

Instrument :

BNA_F

ClientSampleId :

PB168646BL

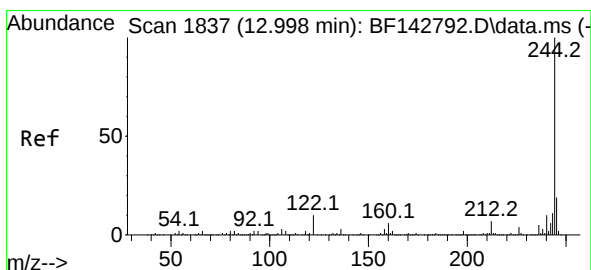
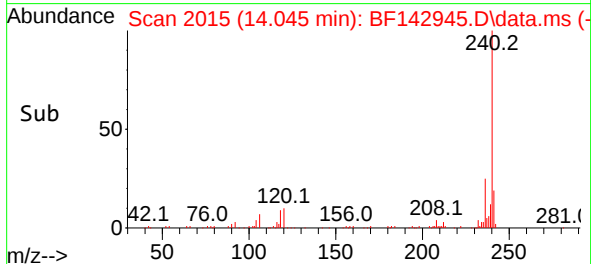
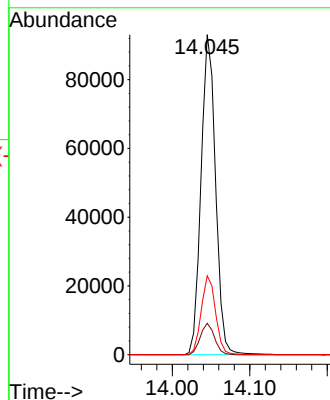
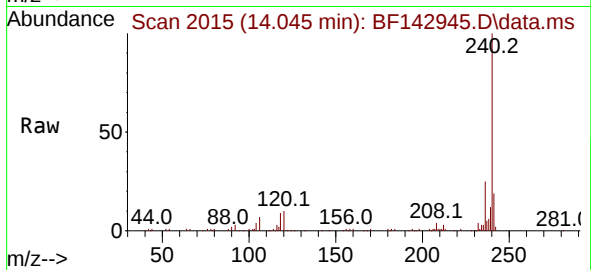
Tgt Ion:240 Resp: 120986

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 24.6 19.8 29.8



#79

Terphenyl-d14

Concen: 71.794 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142945.D

Acq: 01 Jul 2025 12:48

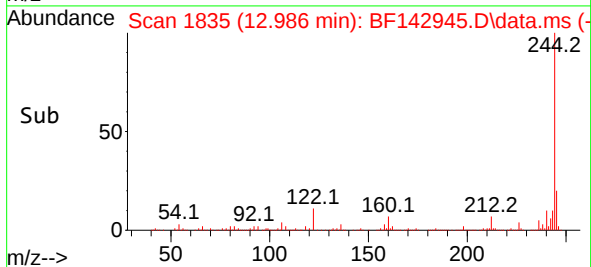
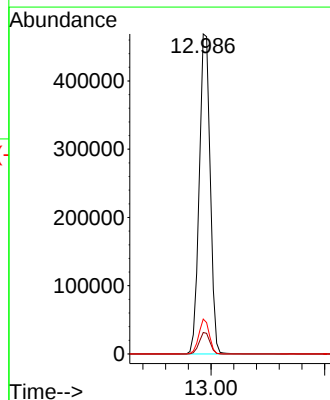
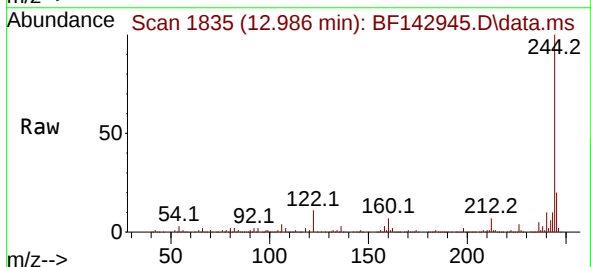
Tgt Ion:244 Resp: 628647

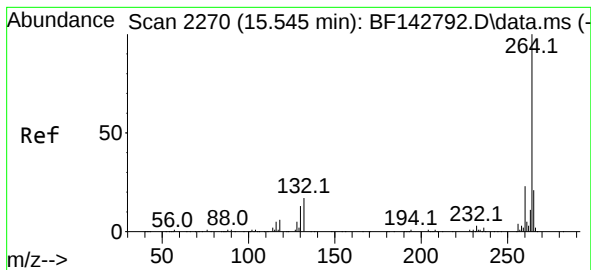
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

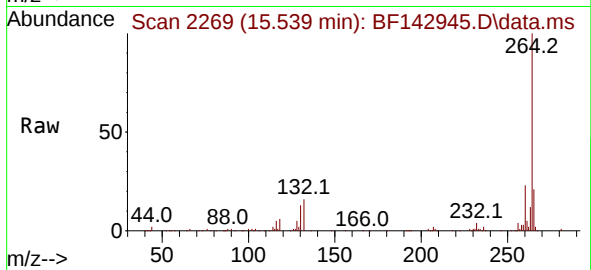
122 10.9 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142945.D
 Acq: 01 Jul 2025 12:48

Instrument :
 BNA_F
 ClientSampleId :
 PB168646BL



Tgt Ion:264 Resp: 139764
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 21.2 16.6 25.0

