

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142797.D
 Acq On : 19 Jun 2025 22:10
 Operator : RC/JU
 Sample : PB168536BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168536BL

Quant Time: Jun 20 10:51:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 05:06:14 2025
 Response via : Initial Calibration

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

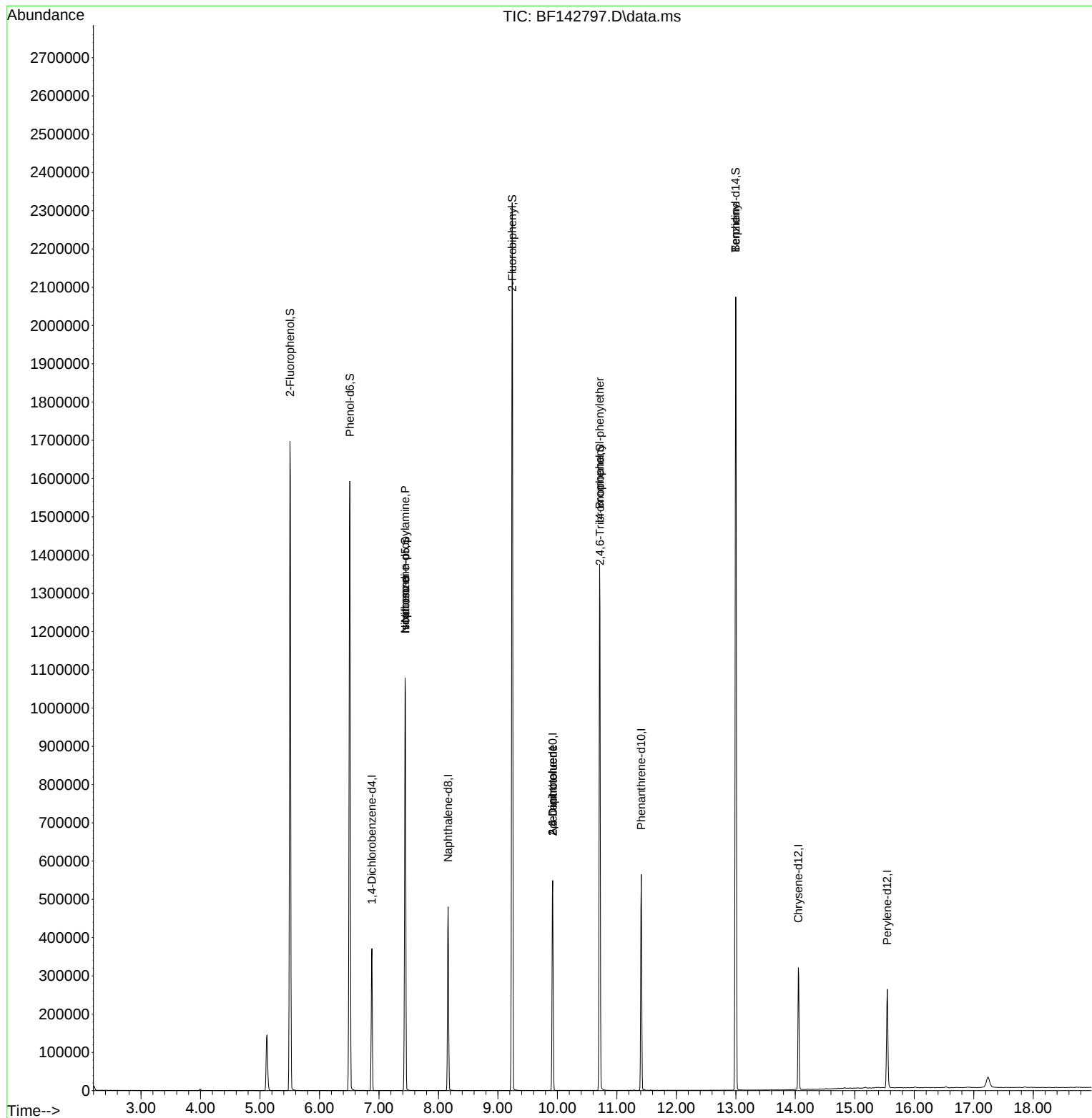
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83007	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	318512	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	169009	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	295544	20.000	ng	0.00
76) Chrysene-d12	14.051	240	161452	20.000	ng	0.00
86) Perylene-d12	15.545	264	158059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	680581	68.254	ng	0.01
7) Phenol-d6	6.510	99	819165	69.632	ng	0.00
23) Nitrobenzene-d5	7.440	82	508580	43.791	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	249145	71.626	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1083827	42.122	ng	0.00
79) Terphenyl-d14	12.998	244	1024663	43.845	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	69266	20.247	ng	# 76
25) Isophorone	7.440	82	506115	54.332	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	21567	8.977	ng	# 27
57) 2,4-Dinitrotoluene	9.922	165	21567	6.758	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	15837	4.708	ng	# 1
77) Benzidine	12.998	184	13192	2.175	ng	# 93

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

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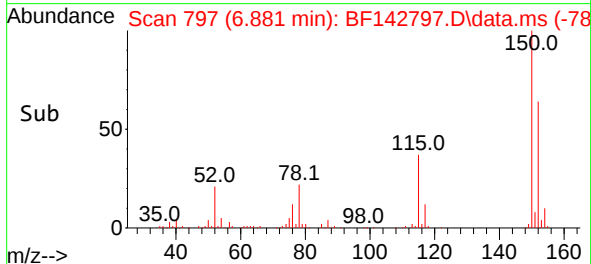
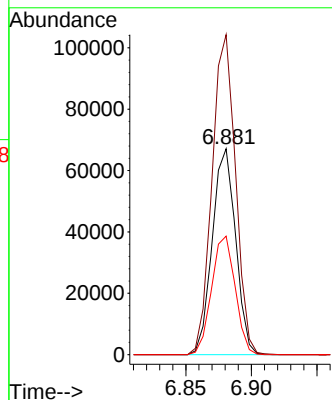
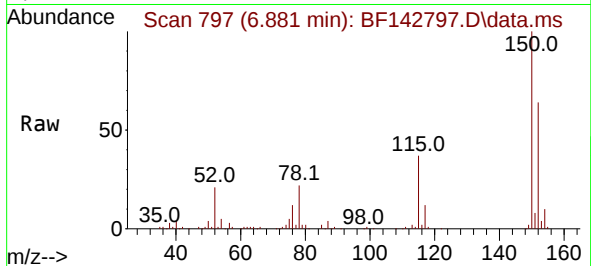




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142797.D
 Acq: 19 Jun 2025 22:10

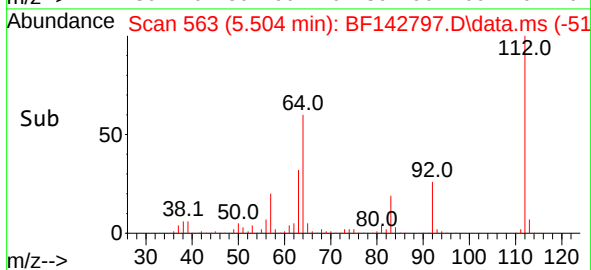
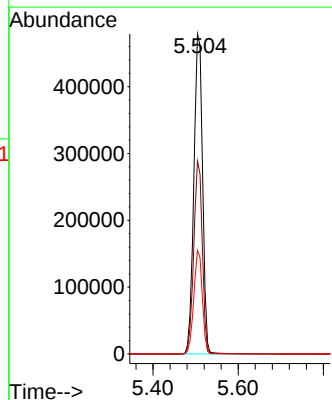
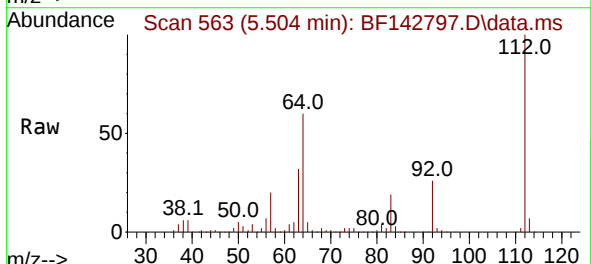
Instrument :
 BNA_F
 ClientSampleId :
 PB168536BL

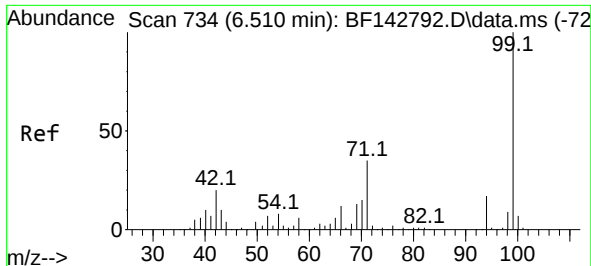
Tgt Ion:152 Resp: 83007
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.2 190.8
 115 57.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 68.254 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF142797.D
 Acq: 19 Jun 2025 22:10

Tgt Ion:112 Resp: 680581
 Ion Ratio Lower Upper
 112 100
 64 60.3 48.2 72.2
 63 32.4 25.7 38.5

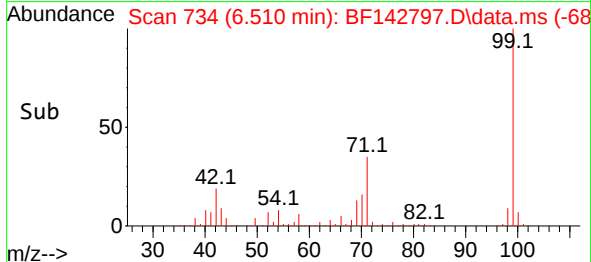
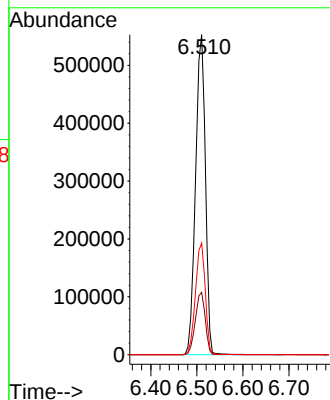
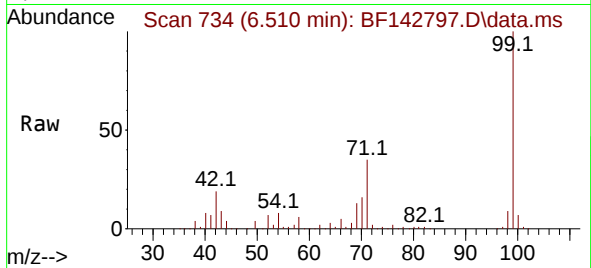




#7
Phenol-d6
Concen: 69.632 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

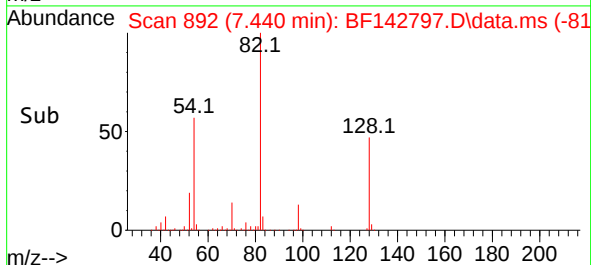
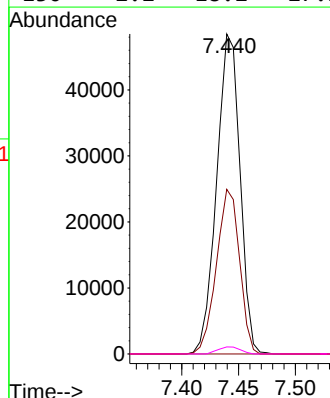
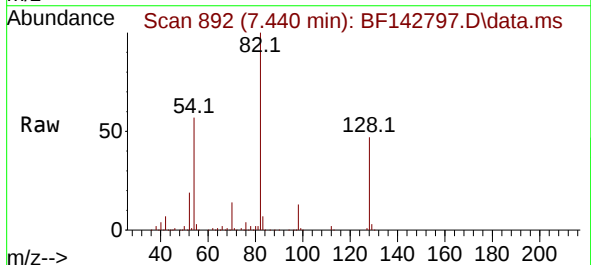
Instrument :
BNA_F
ClientSampleId :
PB168536BL

Tgt Ion: 99 Resp: 819165
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.247 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

Tgt Ion: 70 Resp: 69266
Ion Ratio Lower Upper
70 100
42 51.5 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

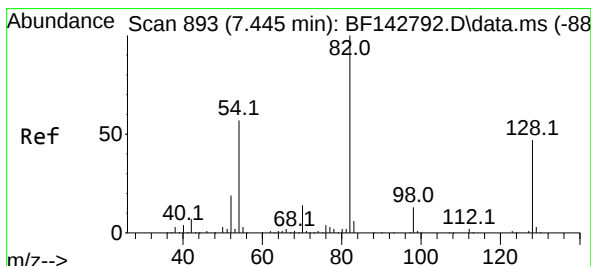
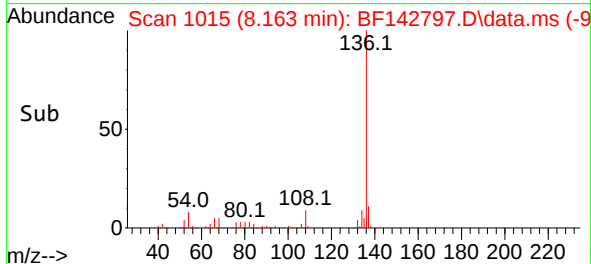
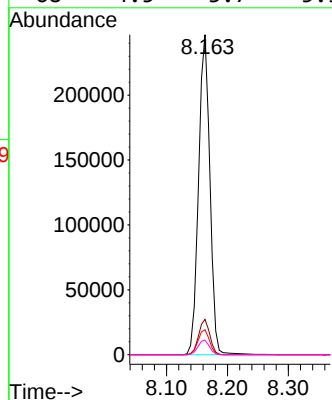
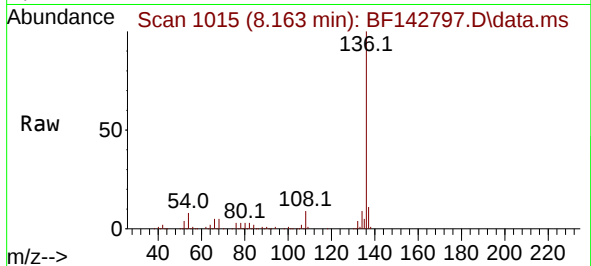




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

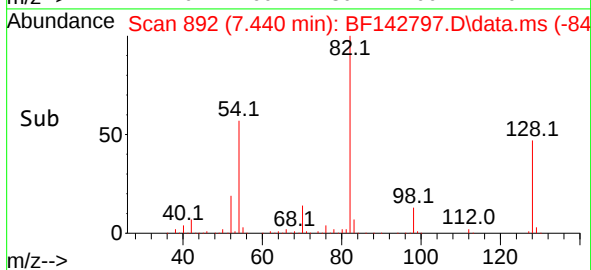
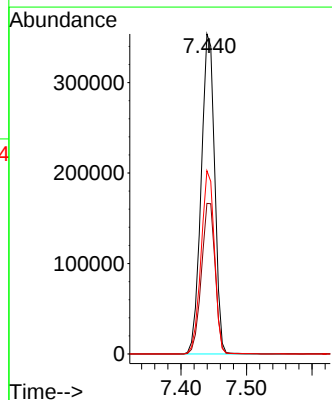
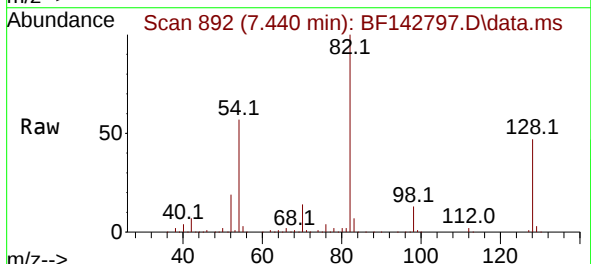
Instrument :
BNA_F
ClientSampleId :
PB168536BL

Tgt Ion:136 Resp: 318512
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 43.791 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

Tgt Ion: 82 Resp: 508580
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 57.2 45.7 68.5

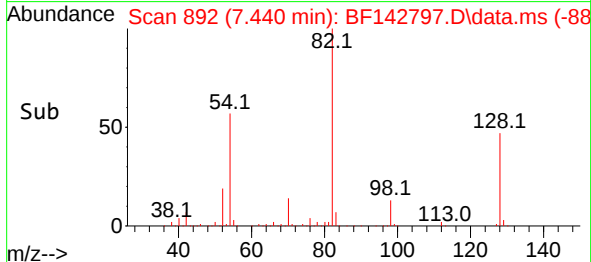
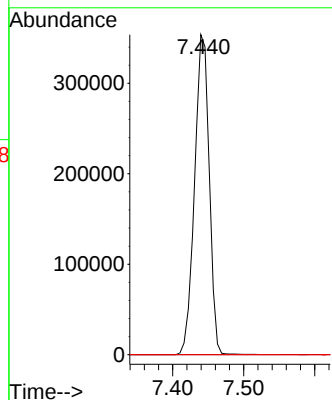
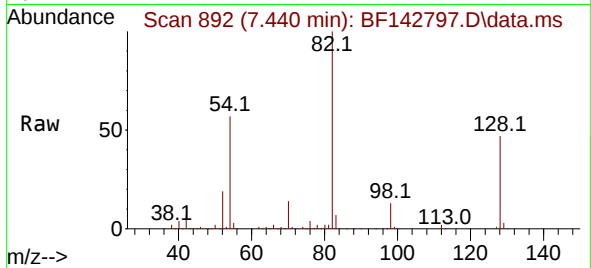




#25
Isophorone
Concen: 54.332 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

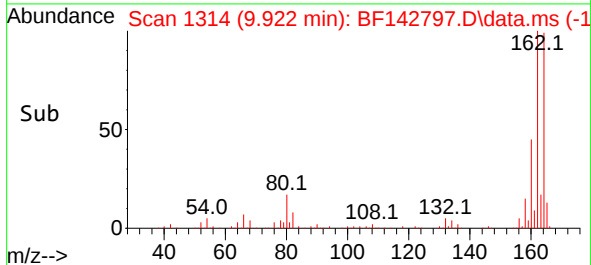
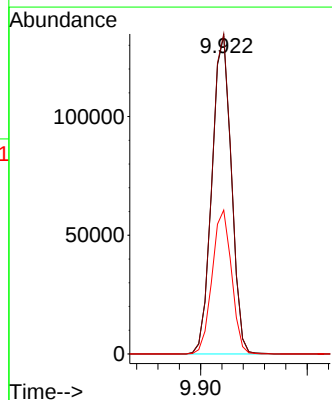
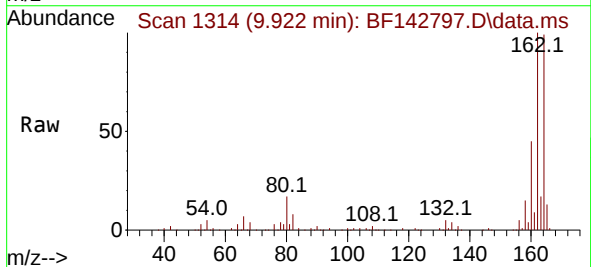
Instrument :
BNA_F
ClientSampleId :
PB168536BL

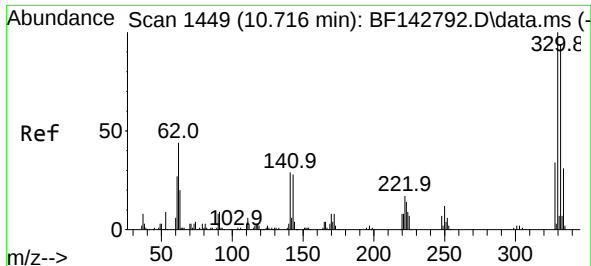
Tgt Ion: 82 Resp: 506115
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

Tgt Ion:164 Resp: 169009
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 45.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 71.626 ng

RT: 10.716 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

Instrument :

BNA_F

ClientSampleId :

PB168536BL

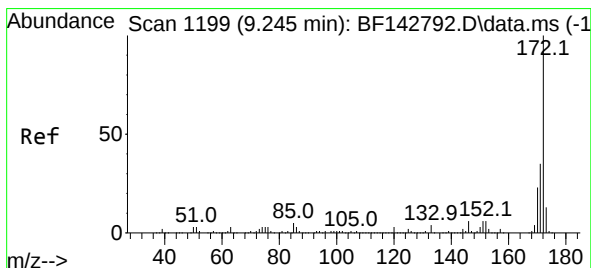
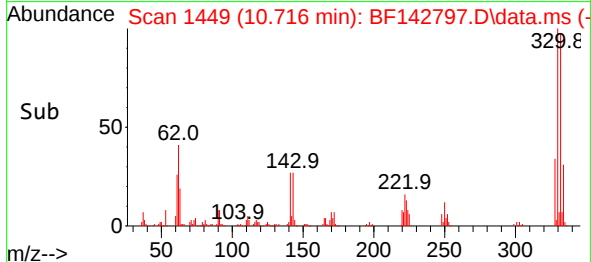
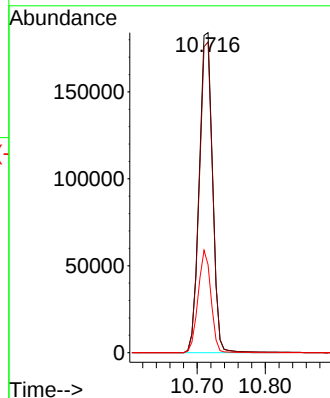
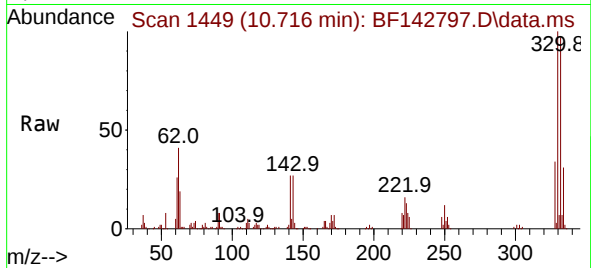
Tgt Ion:330 Resp: 249145

Ion Ratio Lower Upper

330 100

332 97.2 75.0 112.6

141 30.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 42.122 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

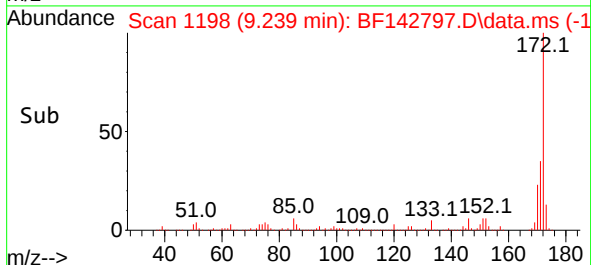
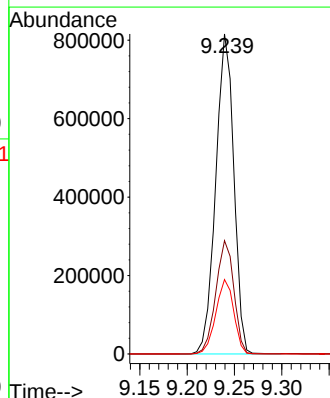
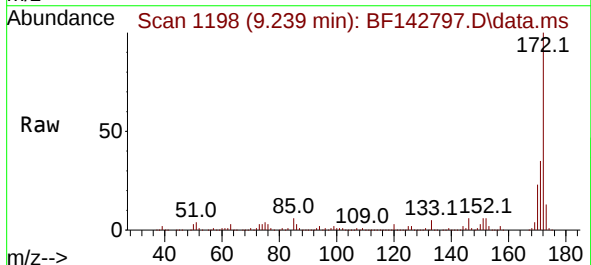
Tgt Ion:172 Resp: 1083827

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.3 18.5 27.7

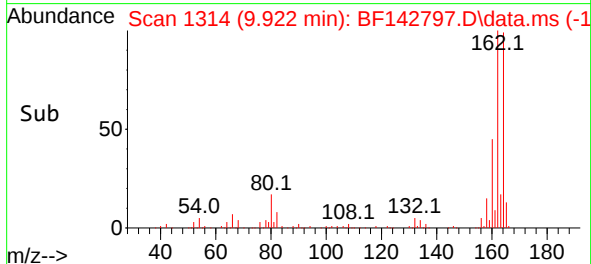
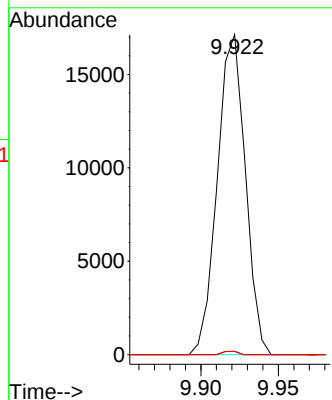
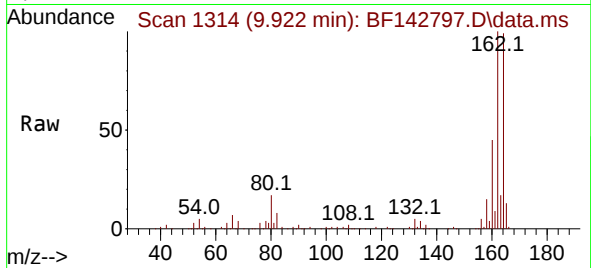




#51
2,6-Dinitrotoluene
Concen: 8.977 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

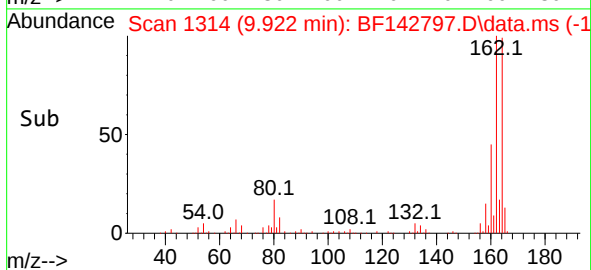
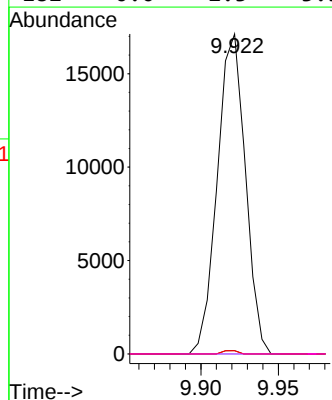
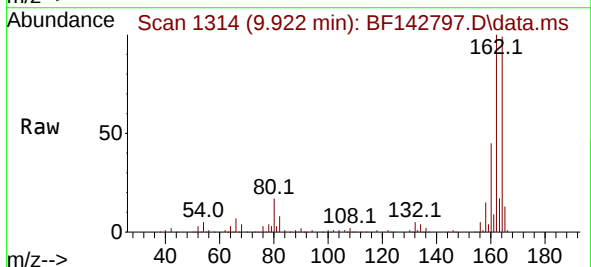
Instrument :
BNA_F
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PB168536BL

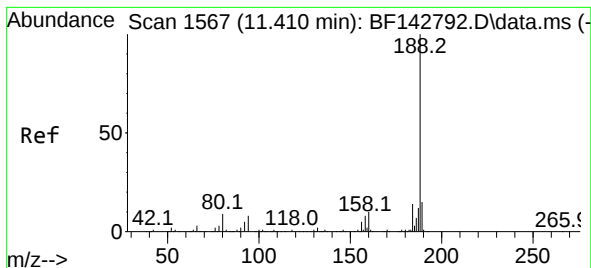
Tgt Ion:165 Resp: 21567
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 1.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.758 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF142797.D
Acq: 19 Jun 2025 22:10

Tgt Ion:165 Resp: 21567
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 1.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

Instrument :

BNA_F

ClientSampleId :

PB168536BL

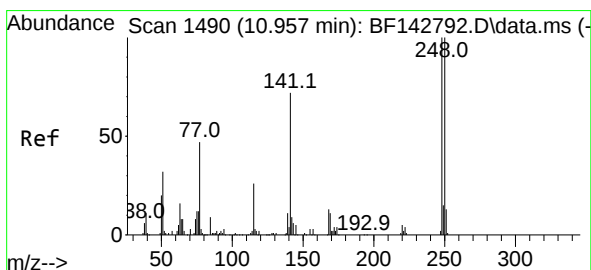
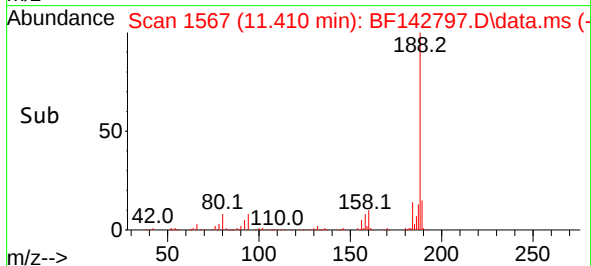
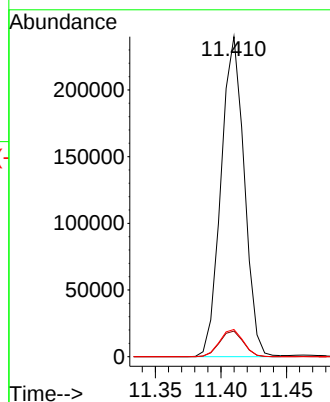
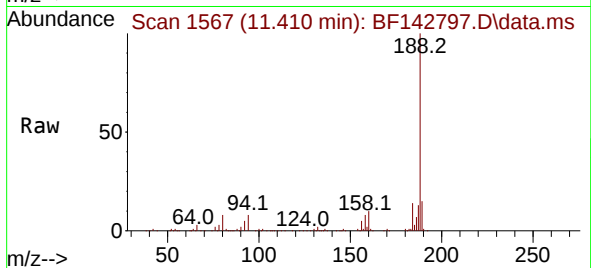
Tgt Ion:188 Resp: 295544

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.5 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.708 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

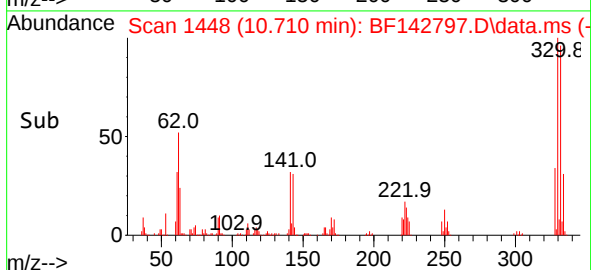
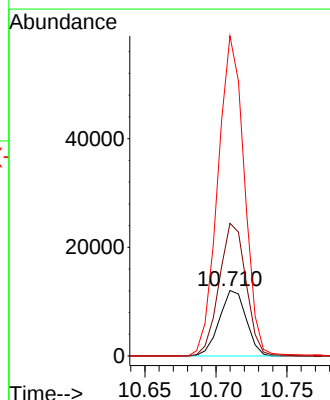
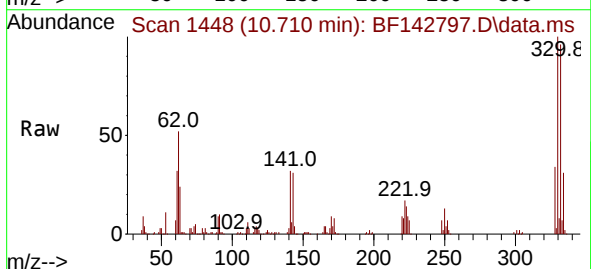
Tgt Ion:248 Resp: 15837

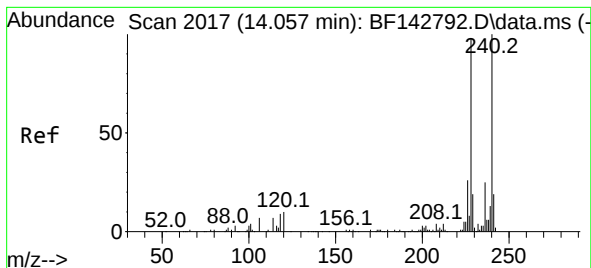
Ion Ratio Lower Upper

248 100

250 202.9 79.8 119.8#

141 489.5 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

Instrument :

BNA_F

ClientSampleId :

PB168536BL

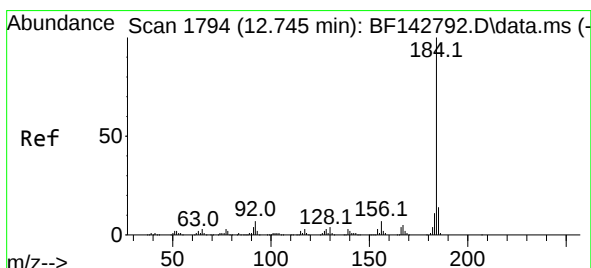
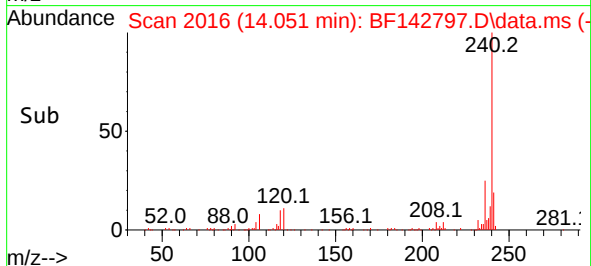
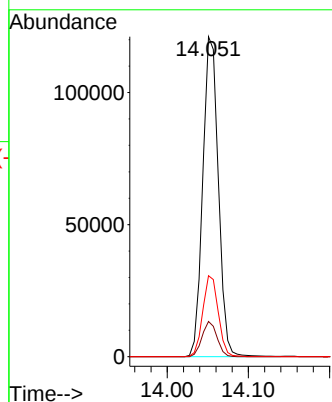
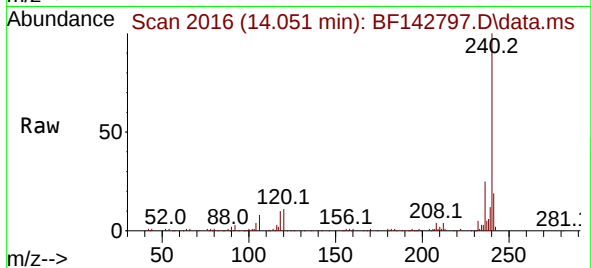
Tgt Ion:240 Resp: 161452

Ion Ratio Lower Upper

240 100

120 11.0 8.2 12.2

236 25.3 19.8 29.8



#77

Benzidine

Concen: 2.175 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF142797.D

Acq: 19 Jun 2025 22:10

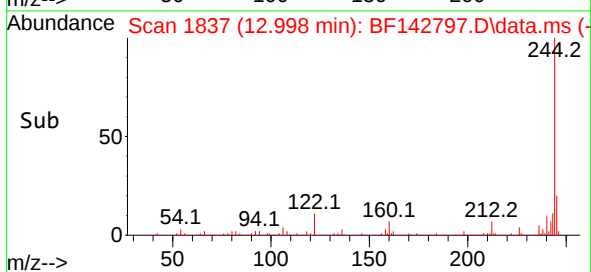
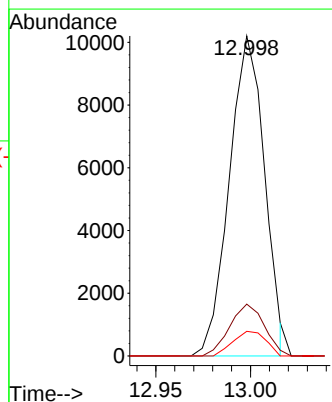
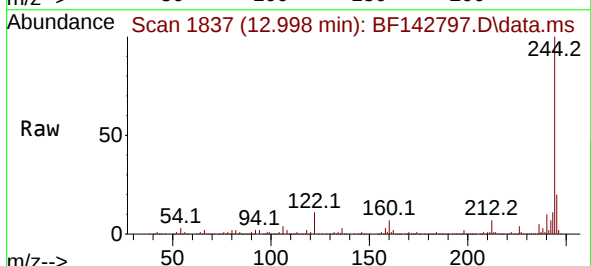
Tgt Ion:184 Resp: 13192

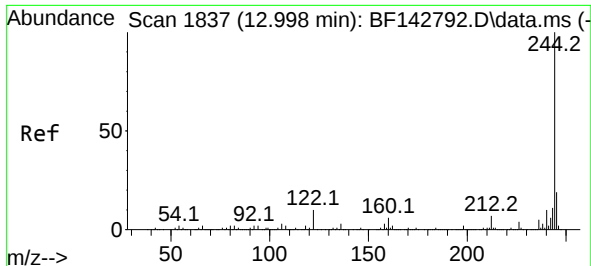
Ion Ratio Lower Upper

184 100

185 16.2 11.5 17.3

183 7.7 9.0 13.4#

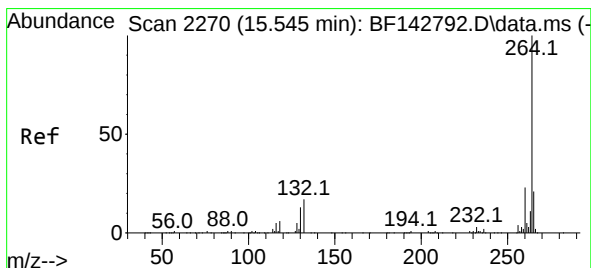
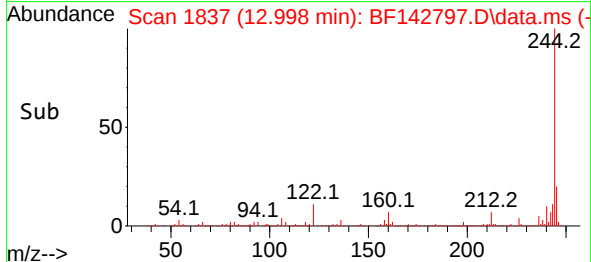
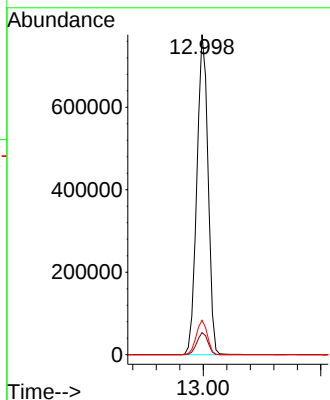
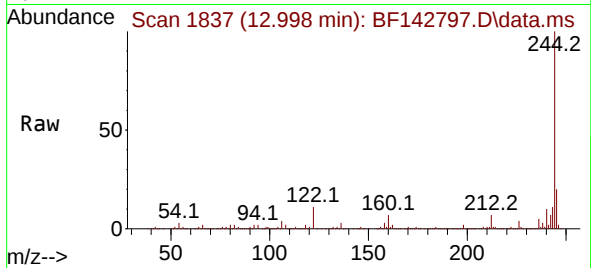




#79
 Terphenyl-d14
 Concen: 43.845 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF142797.D
 Acq: 19 Jun 2025 22:10

Instrument :
 BNA_F
 ClientSampleId :
 PB168536BL

Tgt Ion:244 Resp: 1024663
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.8 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142797.D
 Acq: 19 Jun 2025 22:10

Tgt Ion:264 Resp: 158059
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 21.3 16.6 25.0

