

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142994.D
 Acq On : 03 Jul 2025 13:55
 Operator : RC/JU
 Sample : Q2472-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PN#1

Quant Time: Jul 03 15:46:12 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)

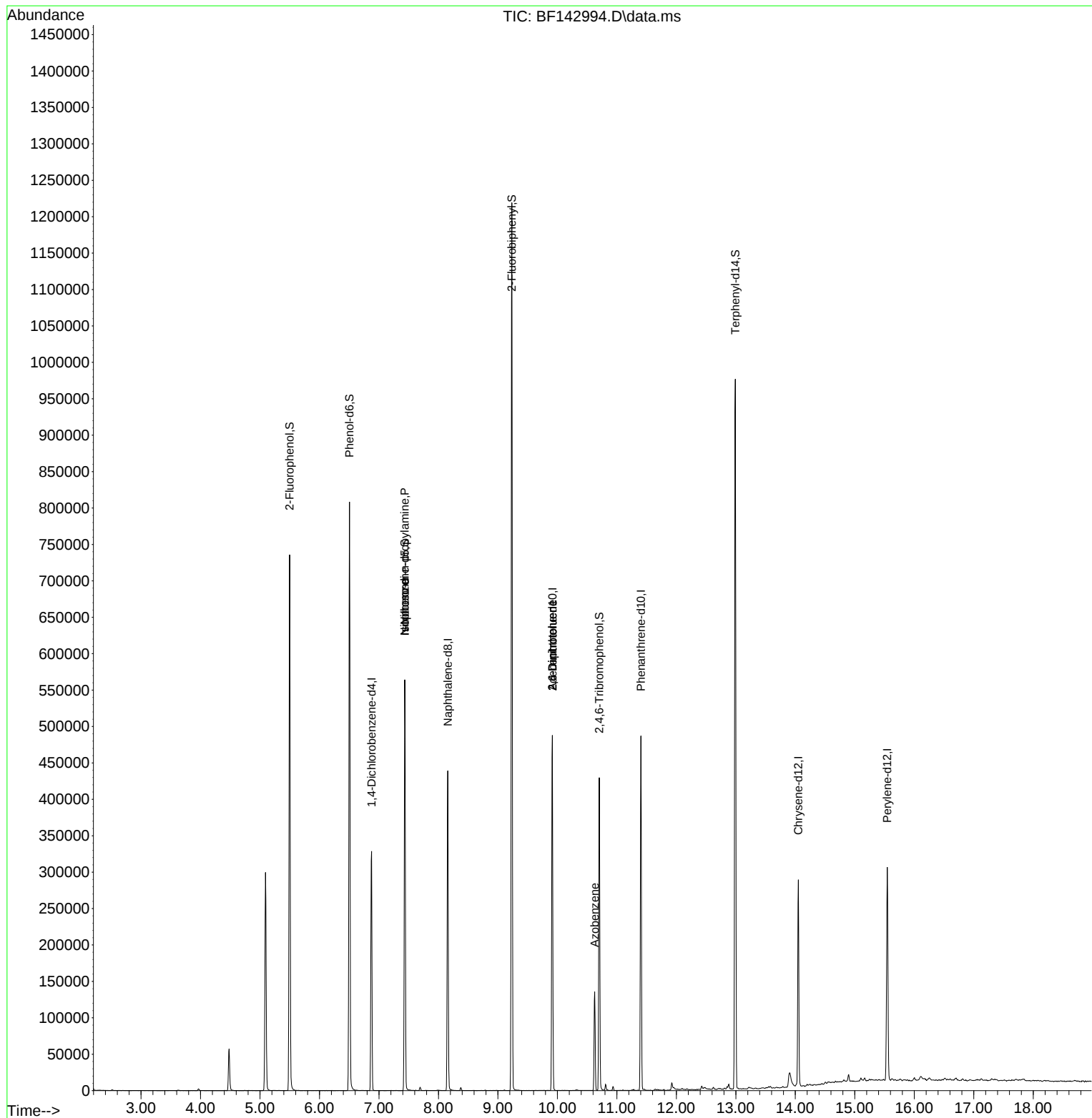
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74344	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	284194	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	149190	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	251028	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138786	20.000	ng	0.00
86) Perylene-d12	15.545	264	174145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	281476	63.036	ng	0.00
7) Phenol-d6	6.504	99	373929	70.979	ng	0.00
23) Nitrobenzene-d5	7.434	82	239209	46.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	73216	47.689	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	545881	48.067	ng	-0.01
79) Terphenyl-d14	12.992	244	484883	48.273	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	32442	10.588	ng	# 75
25) Isophorone	7.434	82	239206	28.780	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18916	8.919	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	18916	6.715	ng	# 26
63) Azobenzene	10.628	77	33028	3.903	ng	# 1

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

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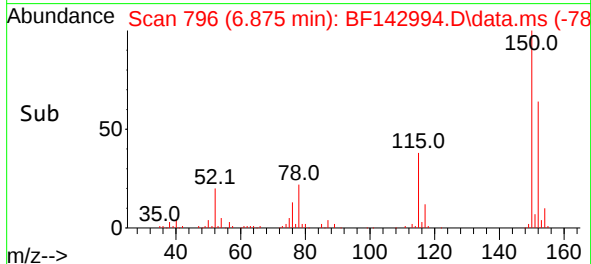
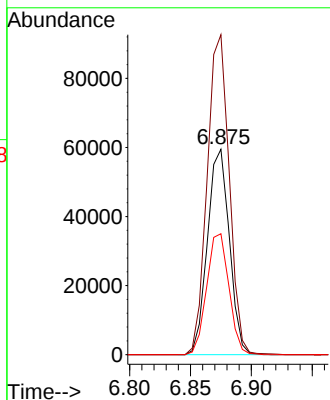
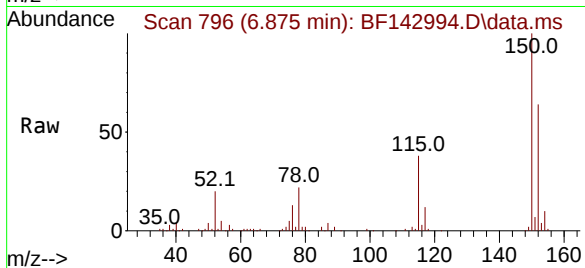




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142994.D
 Acq: 03 Jul 2025 13:55

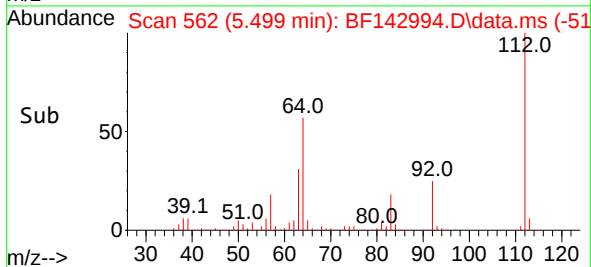
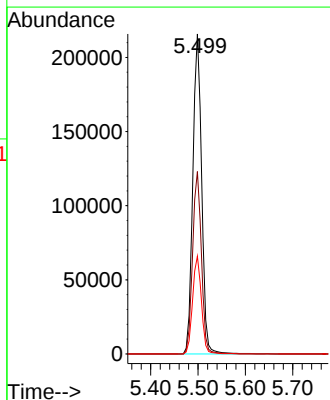
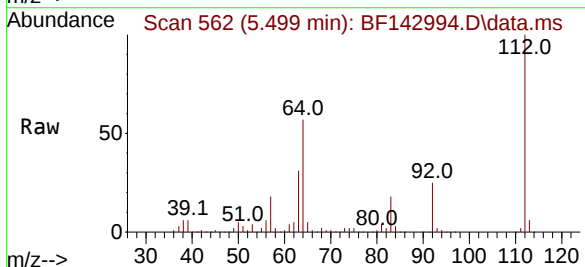
Instrument :
 BNA_F
 ClientSampleId :
 PN#1

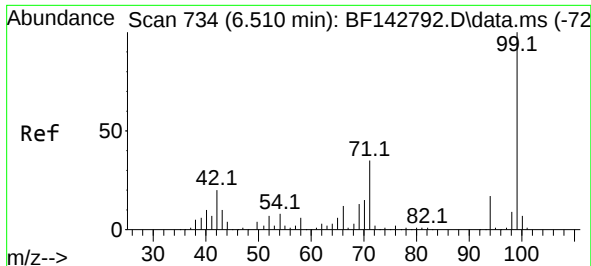
Tgt Ion:152 Resp: 74344
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.2 190.8
 115 58.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 63.036 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142994.D
 Acq: 03 Jul 2025 13:55

Tgt Ion:112 Resp: 281476
 Ion Ratio Lower Upper
 112 100
 64 57.0 48.2 72.2
 63 30.5 25.7 38.5

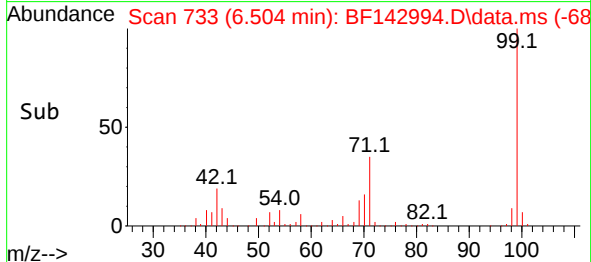
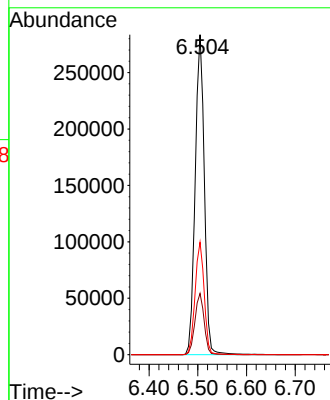
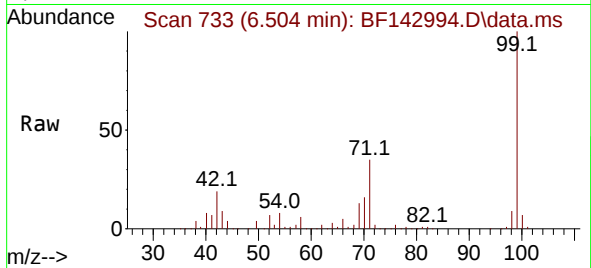




#7
Phenol-d6
Concen: 70.979 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

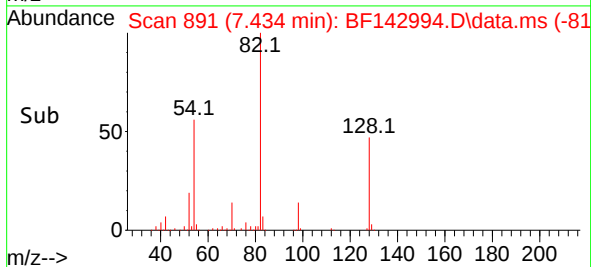
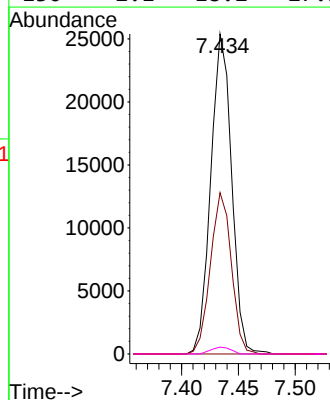
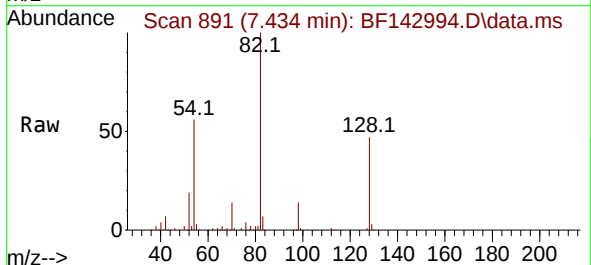
Instrument :
BNA_F
ClientSampleId :
PN#1

Tgt Ion: 99 Resp: 373929
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.588 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

Tgt Ion: 70 Resp: 32442
Ion Ratio Lower Upper
70 100
42 50.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#



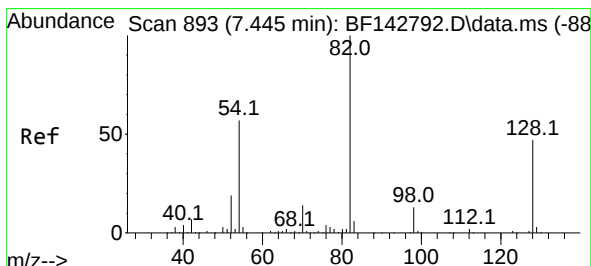
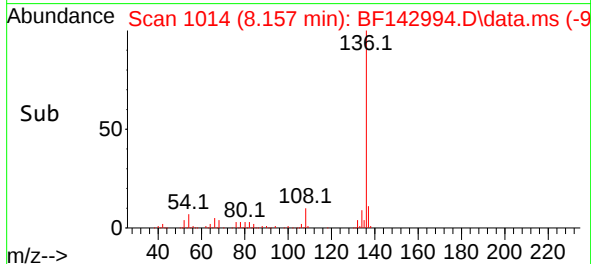
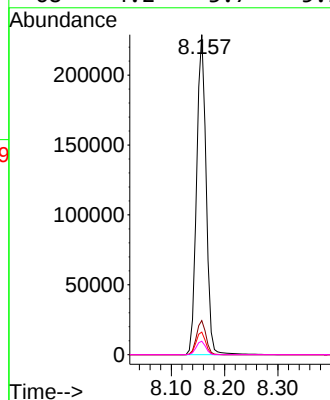
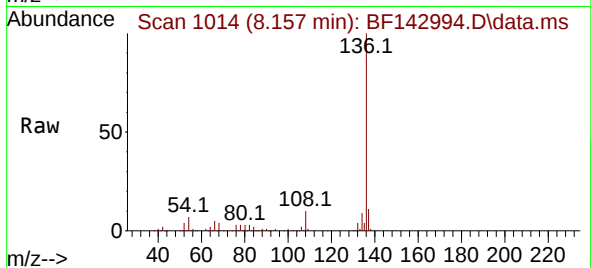


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
PN#1

Tgt Ion:136 Resp: 284194

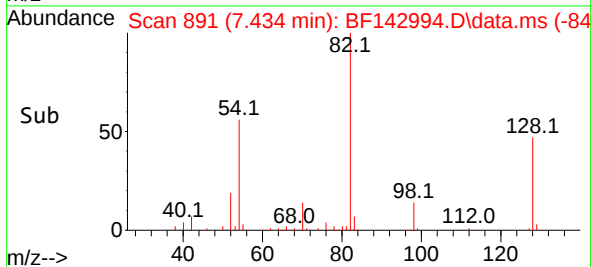
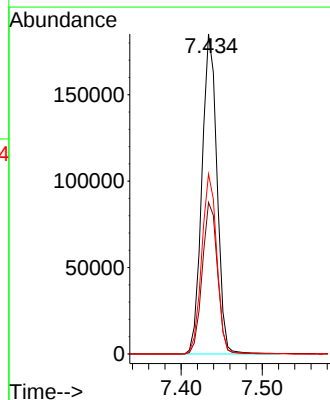
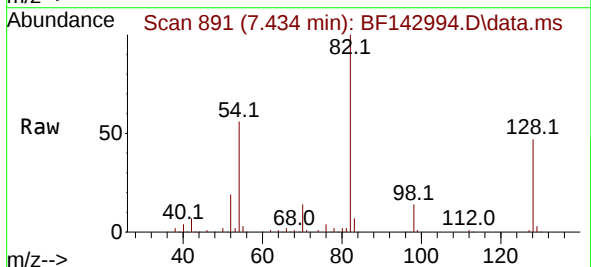
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.0	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 46.168 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

Tgt Ion: 82 Resp: 239209

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	56.3	45.7	68.5

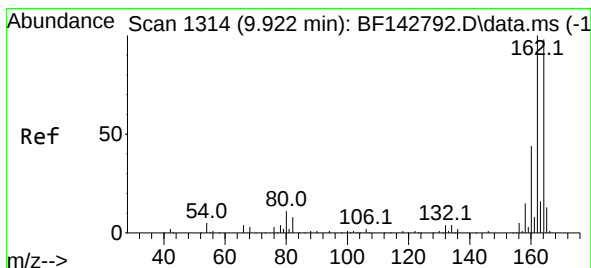
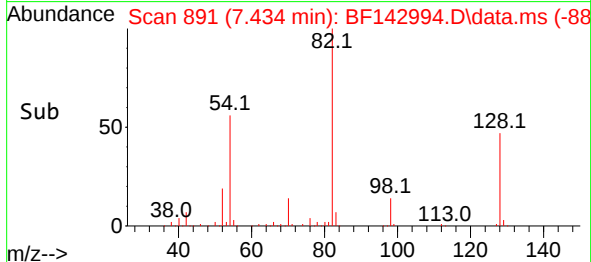
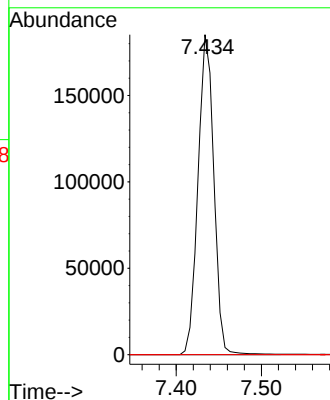
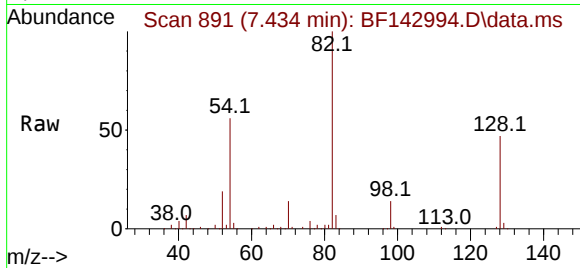




#25
Isophorone
Concen: 28.780 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

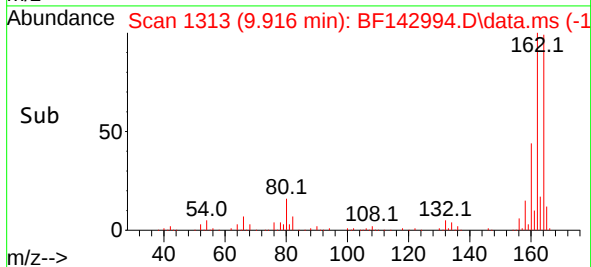
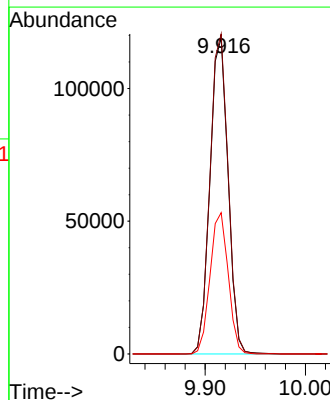
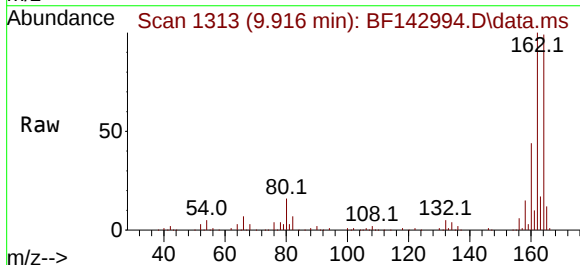
Instrument :
BNA_F
ClientSampleId :
PN#1

Tgt Ion: 82 Resp: 239206
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: BF142994.D
Acq: 03 Jul 2025 13:55

Tgt Ion:164 Resp: 149190
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.8
160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 47.689 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142994.D

Acq: 03 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PN#1

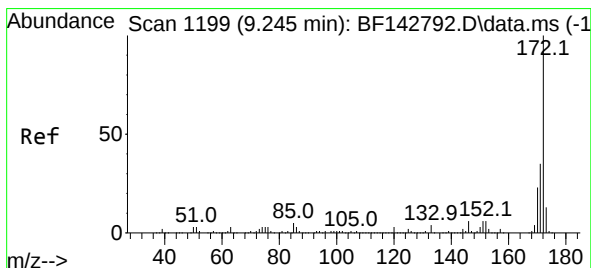
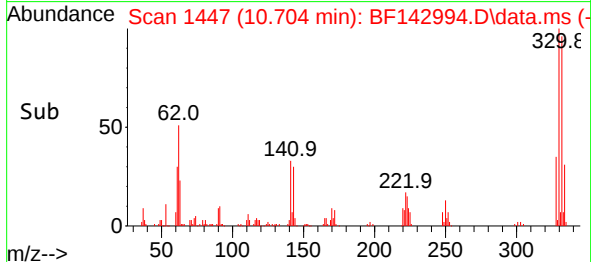
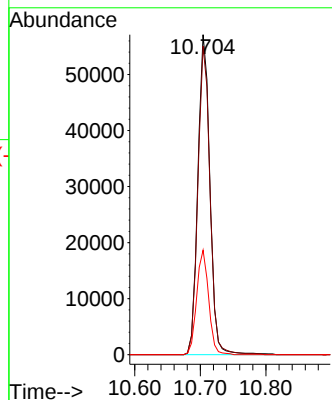
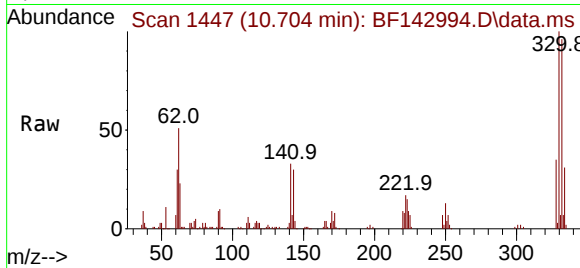
Tgt Ion:330 Resp: 73216

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 48.067 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142994.D

Acq: 03 Jul 2025 13:55

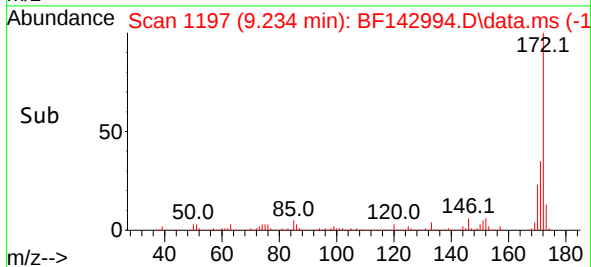
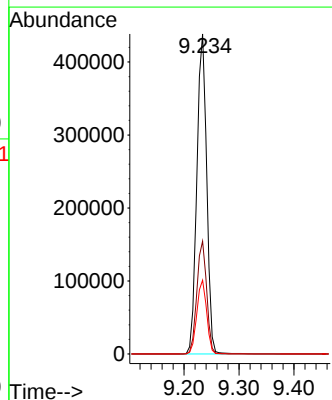
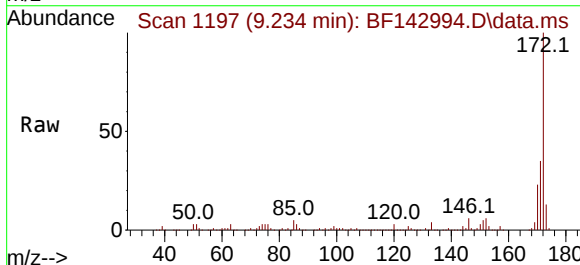
Tgt Ion:172 Resp: 545881

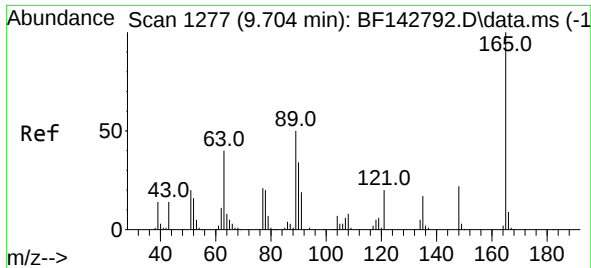
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.0 18.5 27.7

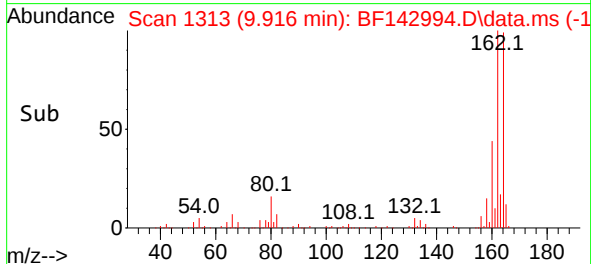
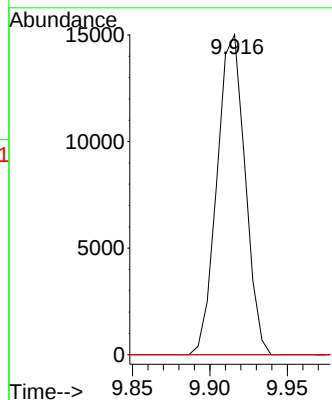
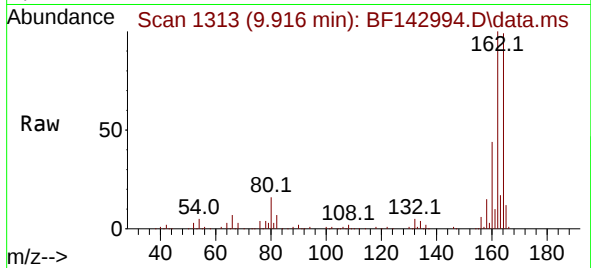




#51
2,6-Dinitrotoluene
Concen: 8.919 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

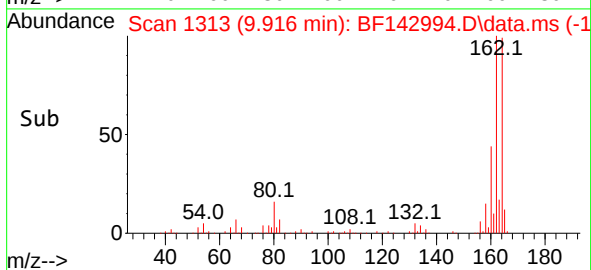
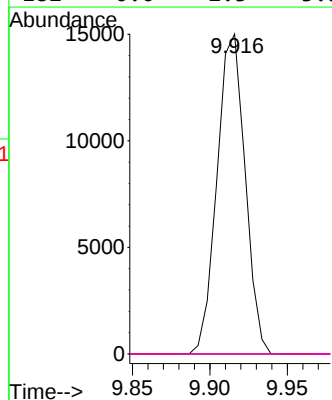
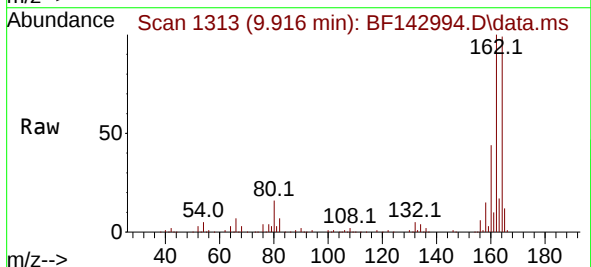
Instrument :
BNA_F
ClientSampleId :
PN#1

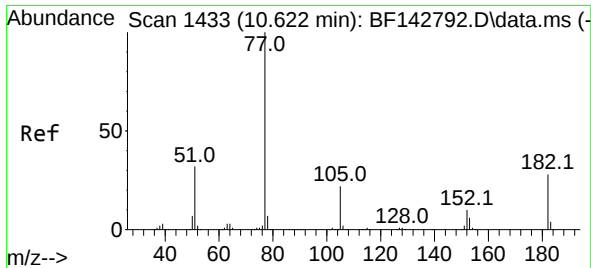
Tgt Ion:165 Resp: 18916
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.715 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

Tgt Ion:165 Resp: 18916
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#

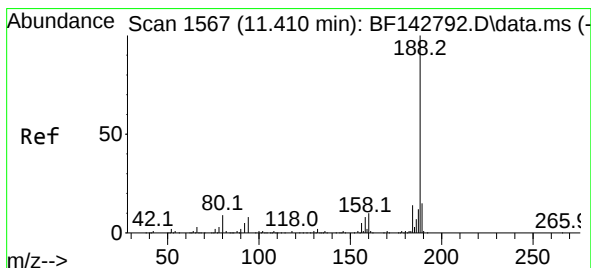
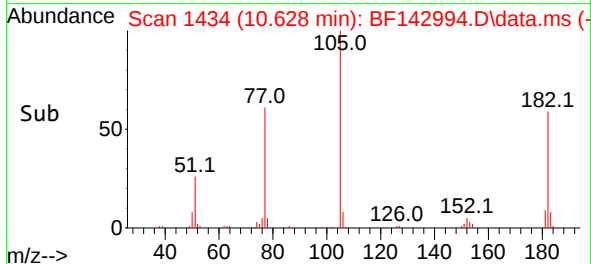
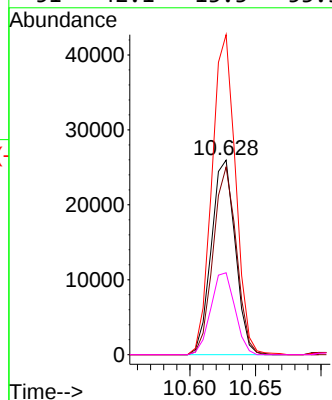
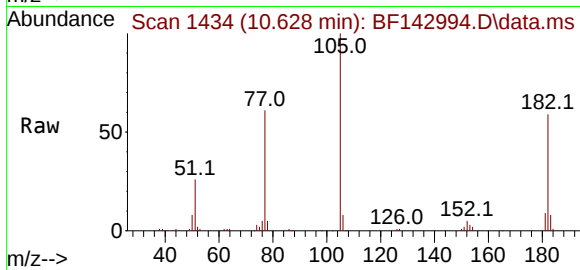




#63
Azobenzene
Concen: 3.903 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

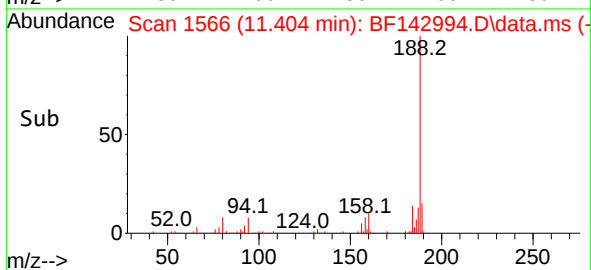
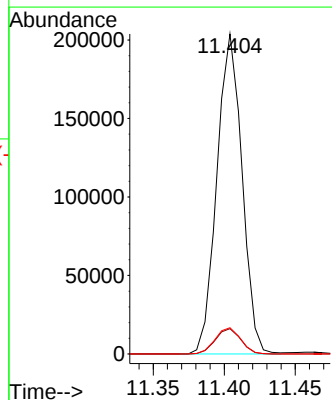
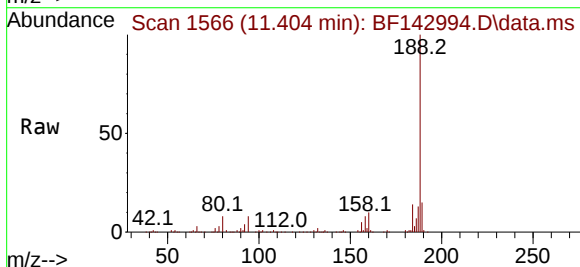
Instrument :
BNA_F
ClientSampleId :
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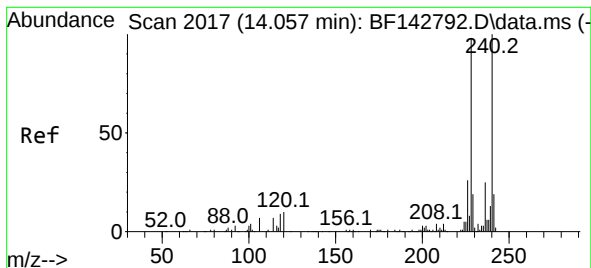
Tgt Ion: 77 Resp: 33028
Ion Ratio Lower Upper
77 100
182 96.5 7.7 47.7#
105 164.5 1.9 41.9#
51 42.1 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142994.D
Acq: 03 Jul 2025 13:55

Tgt Ion: 188 Resp: 251028
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.2 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142994.D

Acq: 03 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PN#1

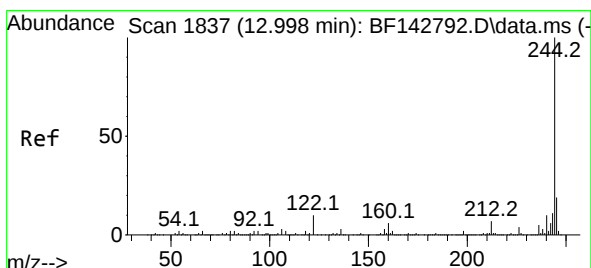
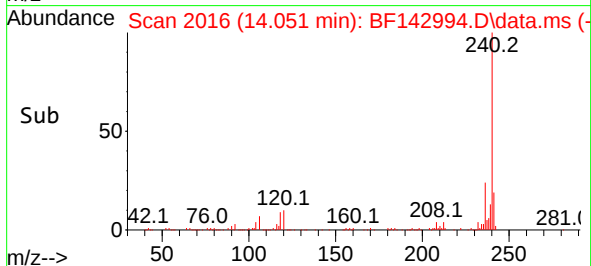
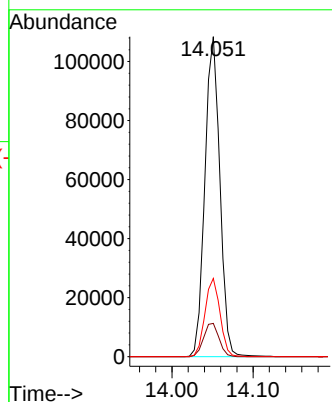
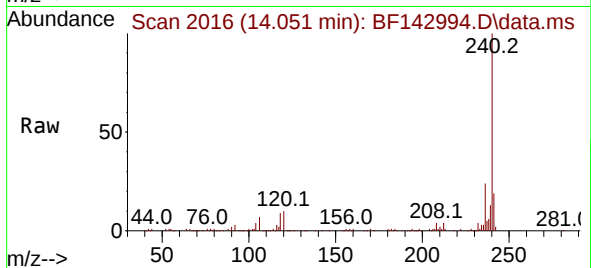
Tgt Ion:240 Resp: 138786

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 24.4 19.8 29.8



#79

Terphenyl-d14

Concen: 48.273 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142994.D

Acq: 03 Jul 2025 13:55

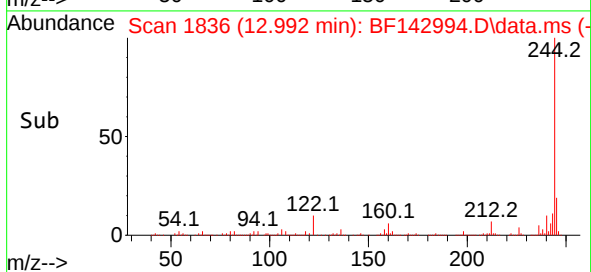
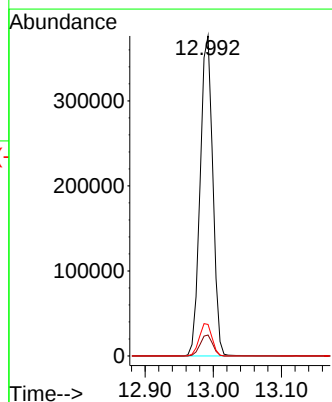
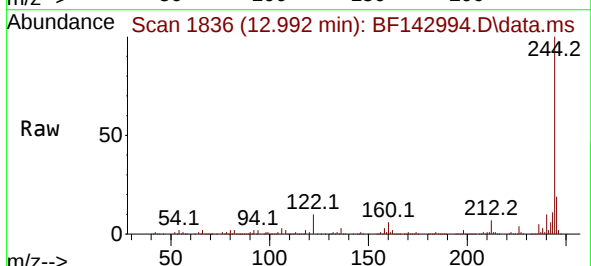
Tgt Ion:244 Resp: 484883

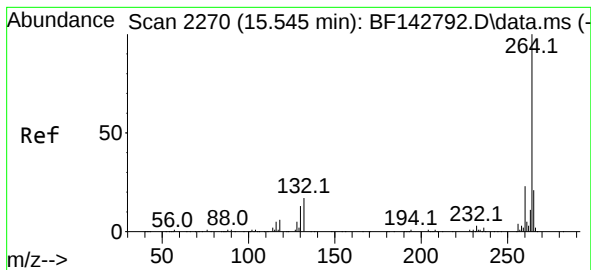
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

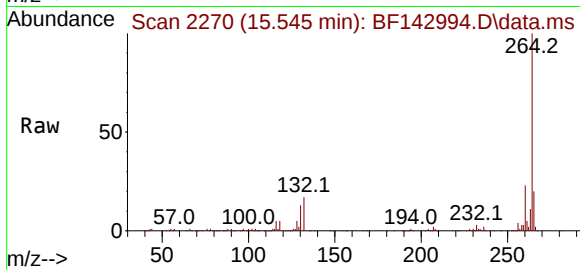
122 9.8 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142994.D
 Acq: 03 Jul 2025 13:55

Instrument :
 BNA_F
 ClientSampleId :
 PN#1



Tgt Ion:264 Resp: 174145
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 20.4 16.6 25.0

