

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142997.D
 Acq On : 03 Jul 2025 15:27
 Operator : RC/JU
 Sample : Q2484-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1006

Quant Time: Jul 03 15:53:59 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)

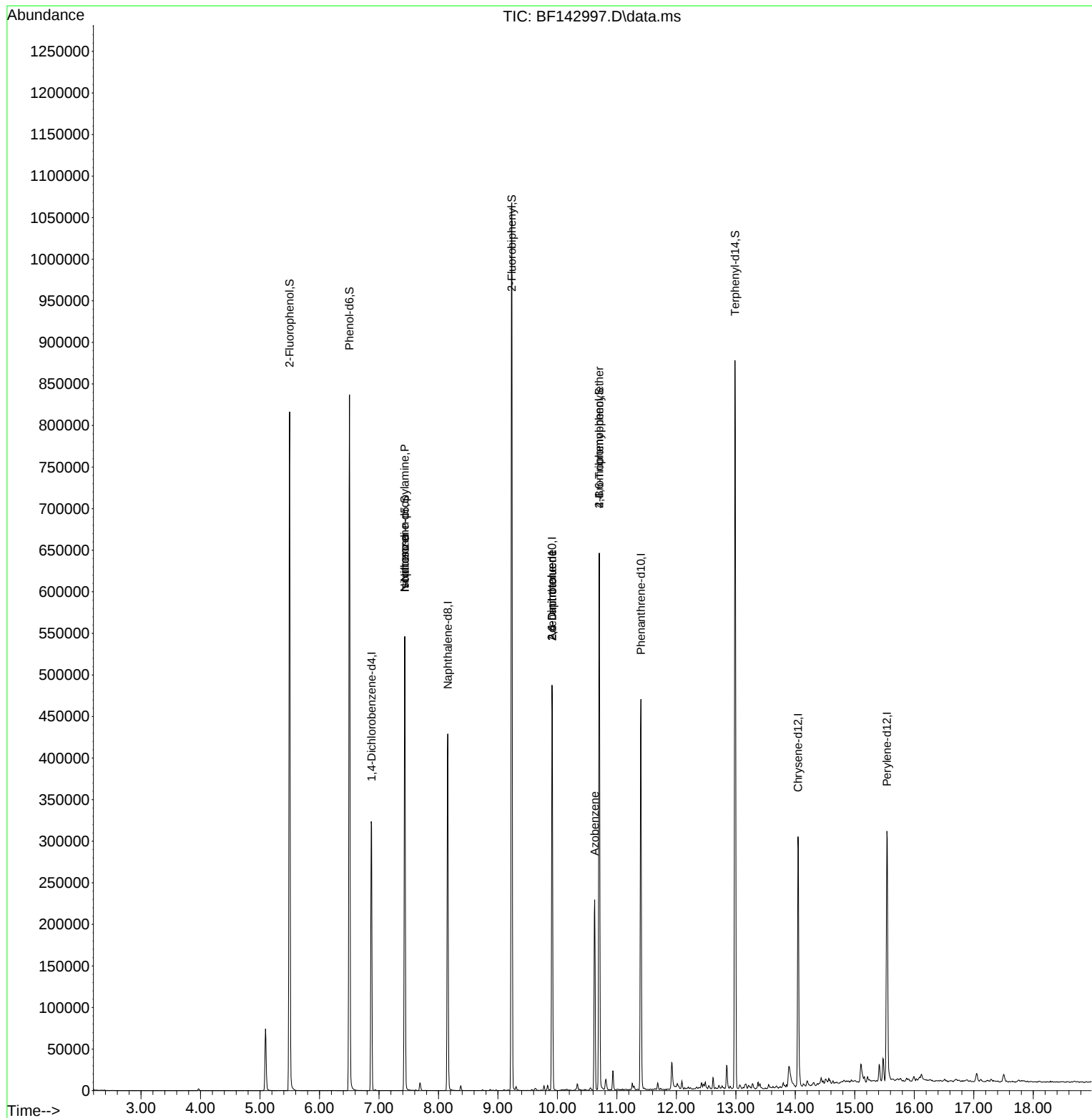
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73257	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282718	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	149800	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	249447	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144108	20.000	ng	-0.01
86) Perylene-d12	15.539	264	179957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	319816	72.685	ng	0.00
7) Phenol-d6	6.504	99	388928	74.921	ng	0.00
23) Nitrobenzene-d5	7.434	82	231249	44.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	108610	70.455	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	504594	44.250	ng	-0.01
79) Terphenyl-d14	12.986	244	425327	40.780	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	30807	10.204	ng	# 75
25) Isophorone	7.434	82	229883	27.803	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	19116	8.977	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	19116	6.758	ng	# 26
63) Azobenzene	10.628	77	54971	6.469	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	7062	2.488	ng	# 1

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

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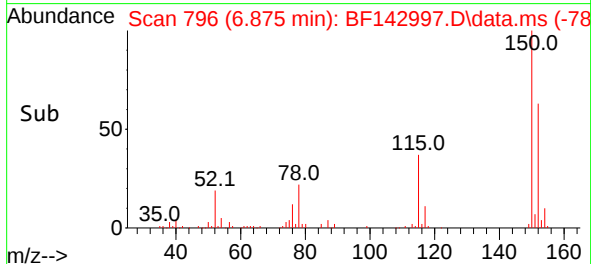
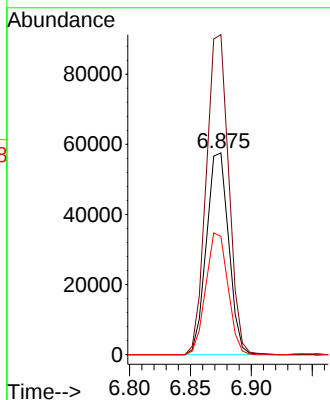
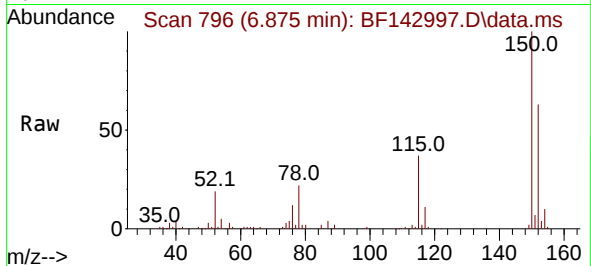




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142997.D
 Acq: 03 Jul 2025 15:27

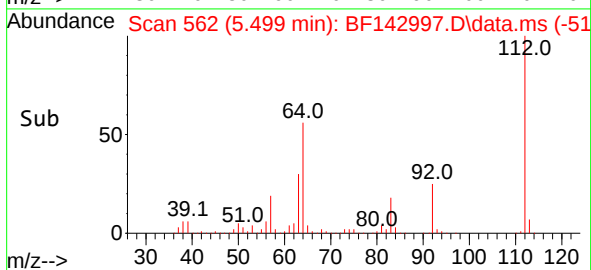
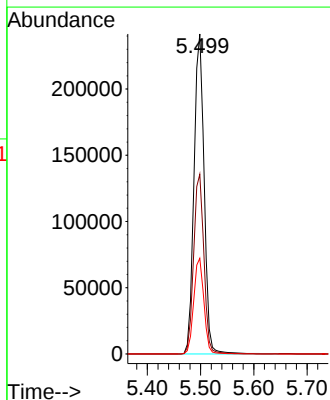
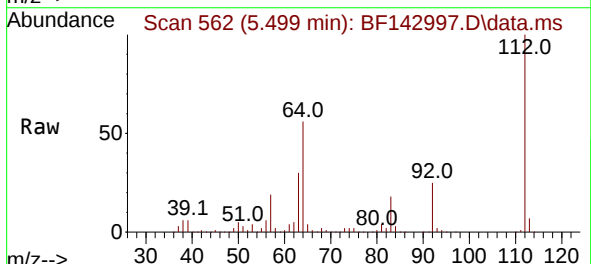
Instrument :
 BNA_F
 ClientSampleId :
 TP-1006

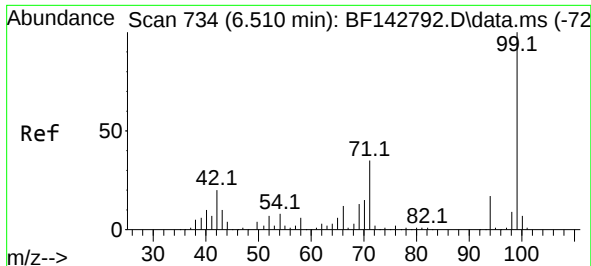
Tgt Ion:152 Resp: 73257
 Ion Ratio Lower Upper
 152 100
 150 158.6 127.2 190.8
 115 58.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 72.685 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142997.D
 Acq: 03 Jul 2025 15:27

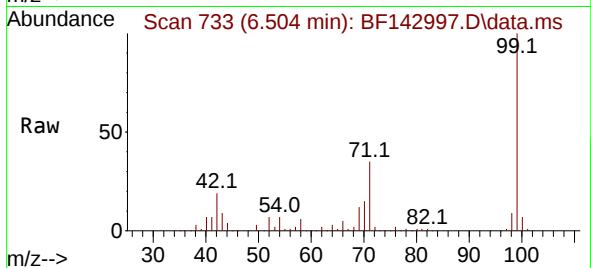
Tgt Ion:112 Resp: 319816
 Ion Ratio Lower Upper
 112 100
 64 56.2 48.2 72.2
 63 29.9 25.7 38.5



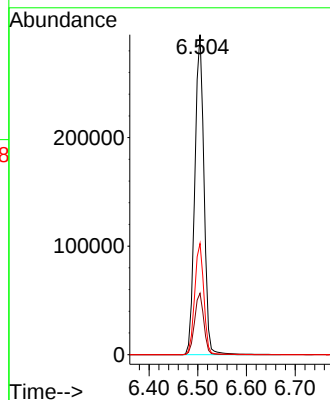
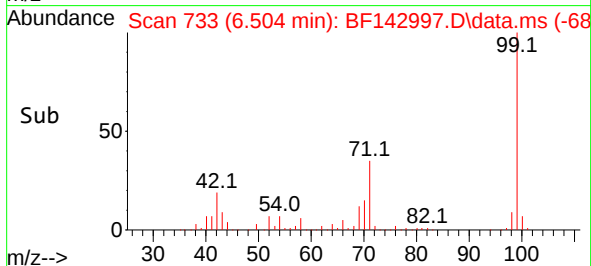


#7
Phenol-d6
Concen: 74.921 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

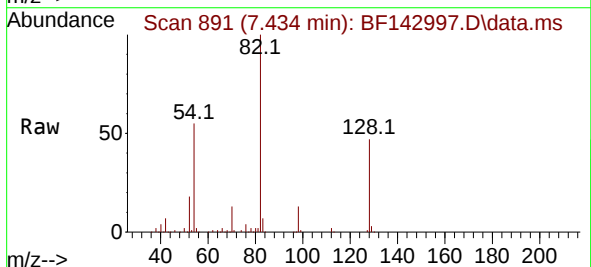
Instrument :
BNA_F
ClientSampleId :
TP-1006



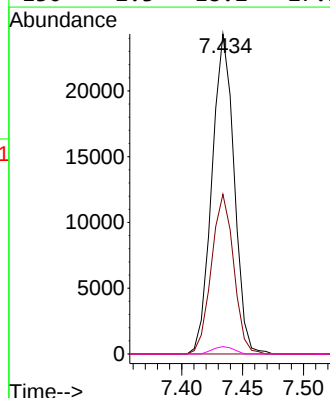
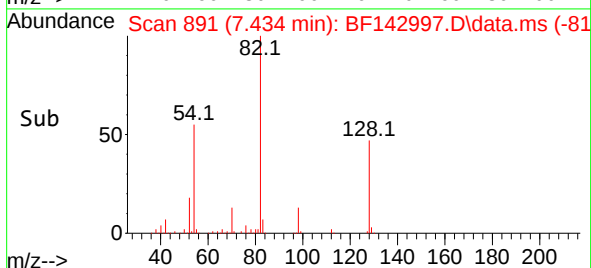
Tgt Ion: 99 Resp: 388928
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.204 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27



Tgt Ion: 70 Resp: 30807
Ion Ratio Lower Upper
70 100
42 49.9 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



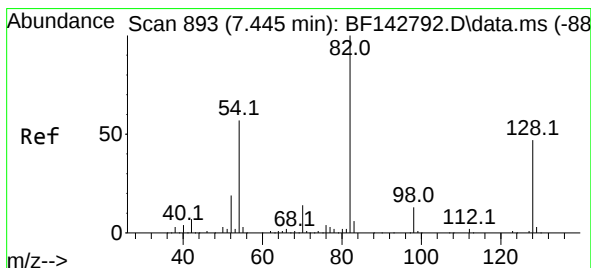
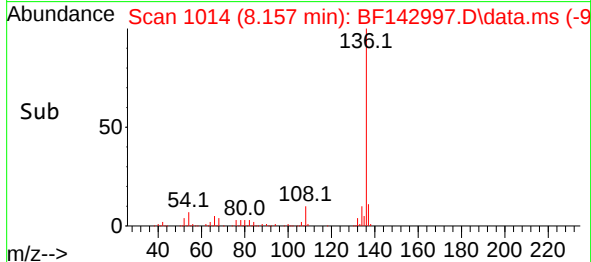
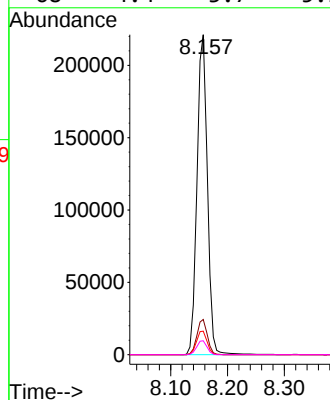
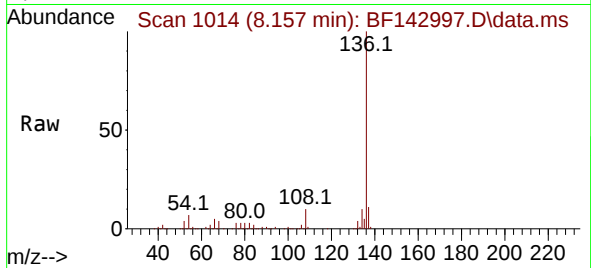


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

Instrument :
BNA_F
ClientSampleId :
TP-1006

Tgt Ion:136 Resp: 282718

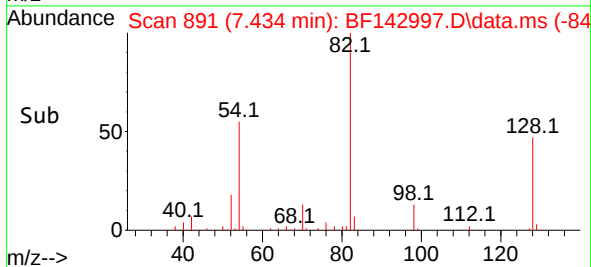
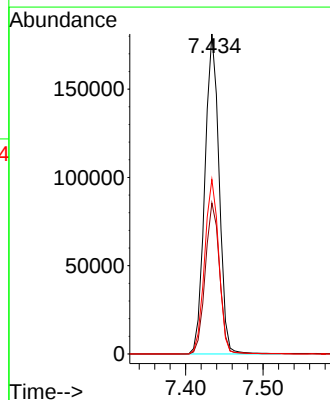
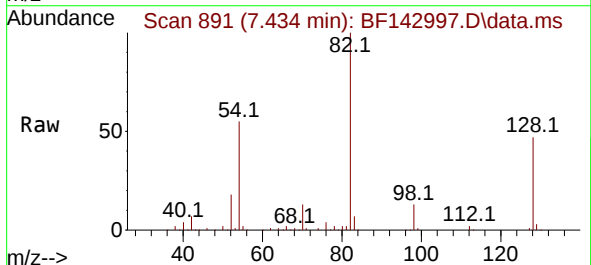
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.4	6.3	9.5
68	4.4	3.7	5.5



#23
Nitrobenzene-d5
Concen: 44.865 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 82 Resp: 231249

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	54.6	45.7	68.5

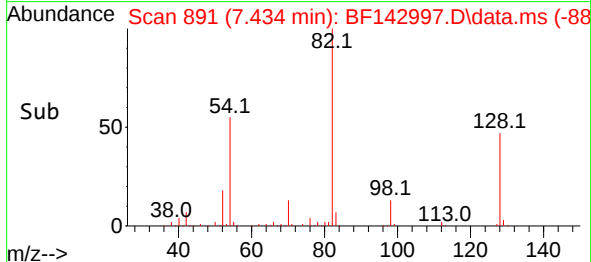
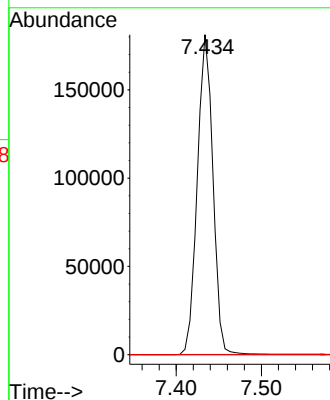
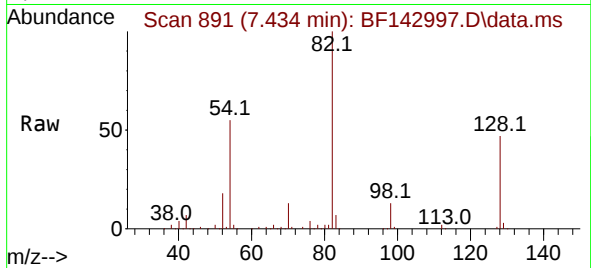




#25
Isophorone
Concen: 27.803 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

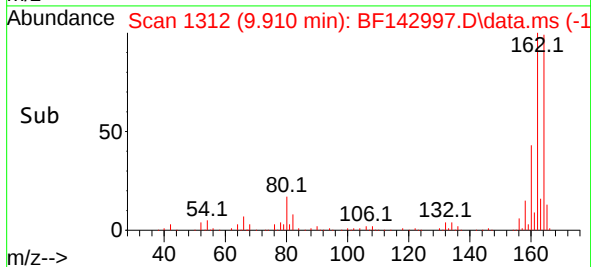
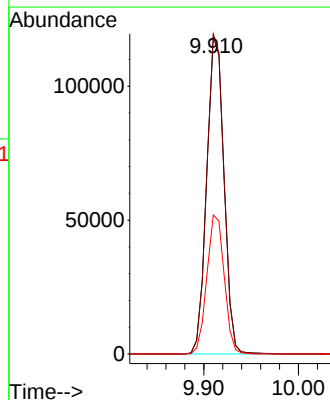
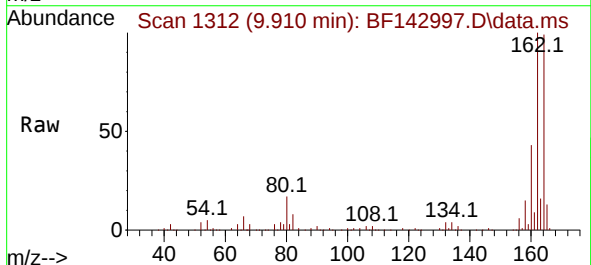
Instrument :
BNA_F
ClientSampleId :
TP-1006

Tgt Ion: 82 Resp: 229883
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: BF142997.D
Acq: 03 Jul 2025 15:27

Tgt Ion:164 Resp: 149800
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 43.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 70.455 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

Instrument :

BNA_F

ClientSampleId :

TP-1006

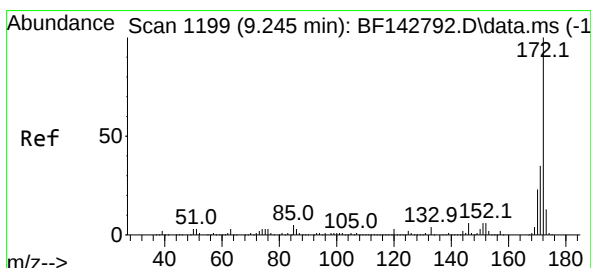
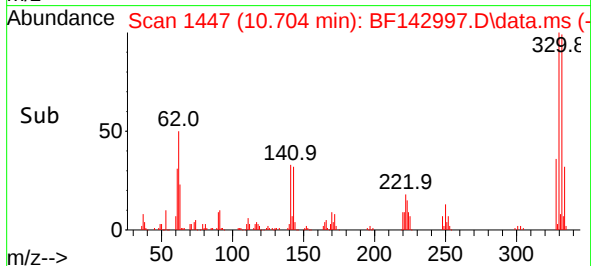
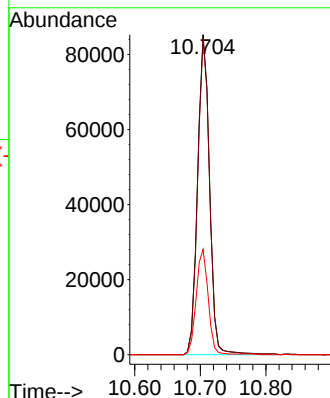
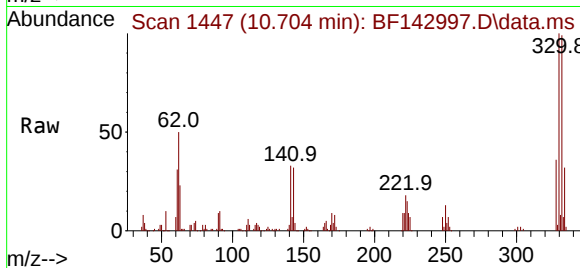
Tgt Ion:330 Resp: 108610

Ion Ratio Lower Upper

330 100

332 98.4 75.0 112.6

141 32.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.250 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

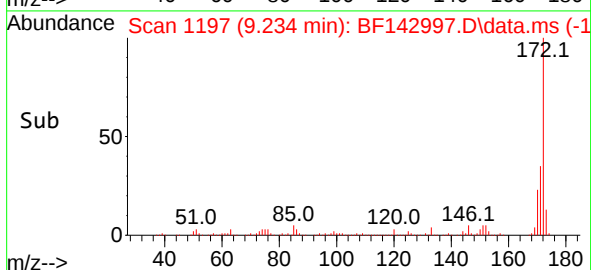
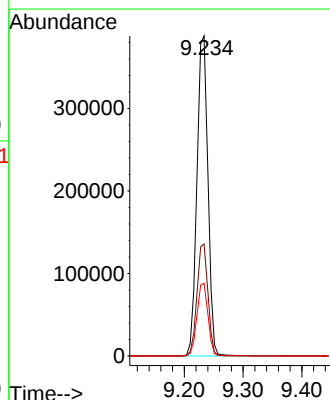
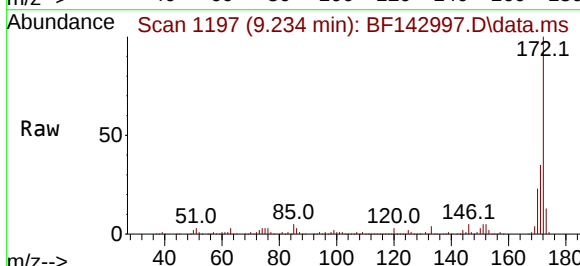
Tgt Ion:172 Resp: 504594

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 18.5 27.7

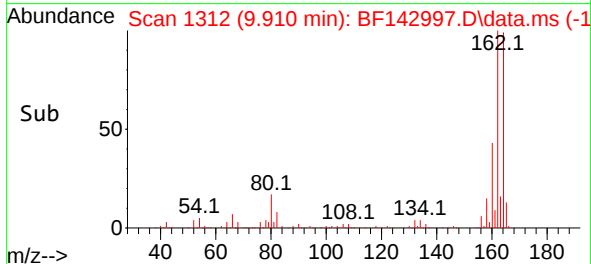
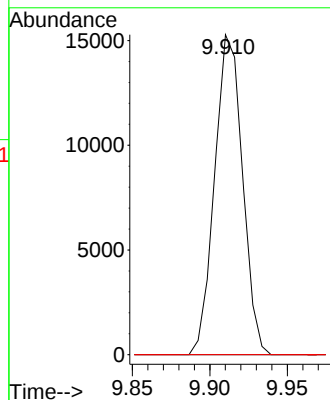
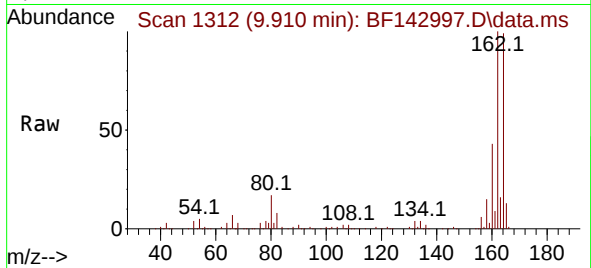




#51
2,6-Dinitrotoluene
Concen: 8.977 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

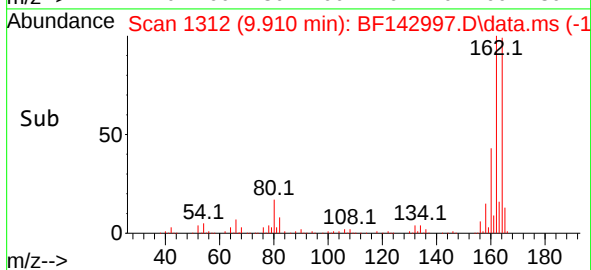
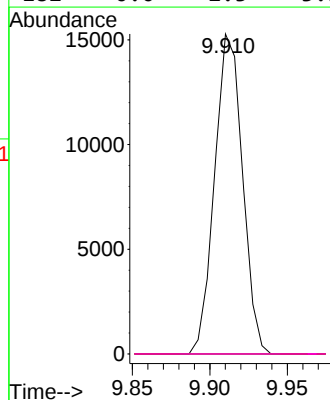
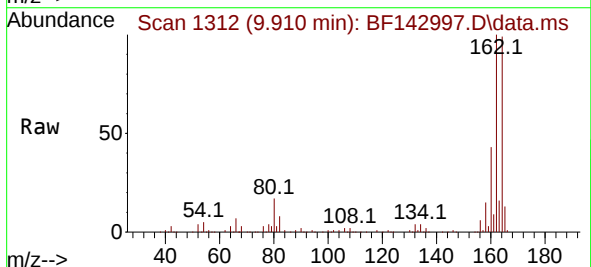
Instrument :
BNA_F
ClientSampleId :
TP-1006

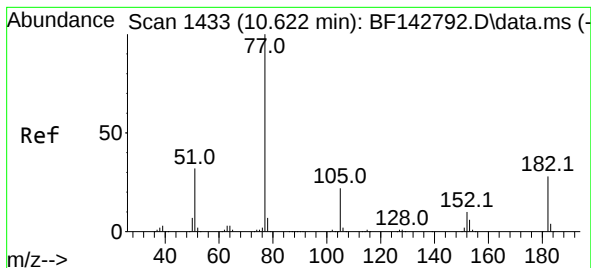
Tgt Ion:165 Resp: 19116
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.758 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

Tgt Ion:165 Resp: 19116
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: 6.469 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

Instrument :

BNA_F

ClientSampleId :

TP-1006

Tgt Ion: 77 Resp: 54971

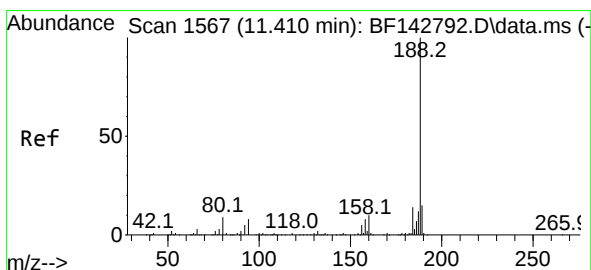
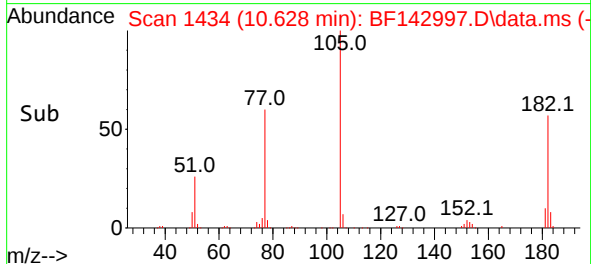
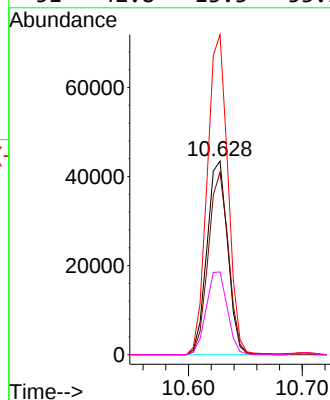
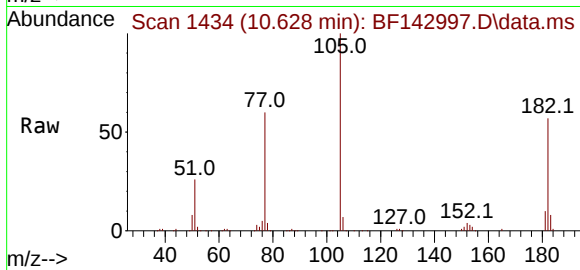
Ion Ratio Lower Upper

77 100

182 94.3 7.7 47.7#

105 165.3 1.9 41.9#

51 42.8 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: BF142997.D

Acq: 03 Jul 2025 15:27

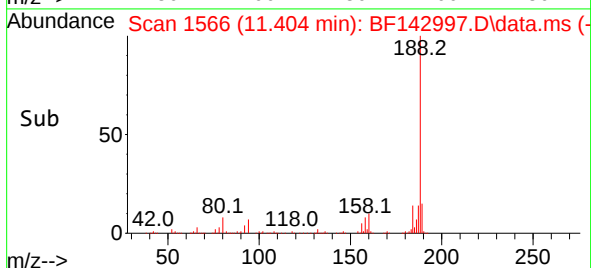
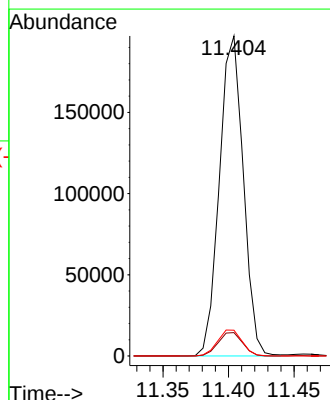
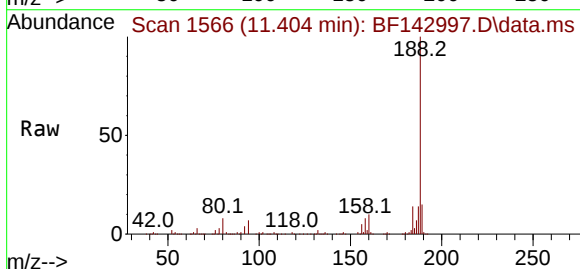
Tgt Ion: 188 Resp: 249447

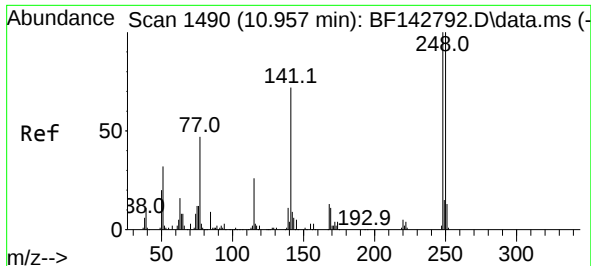
Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

80 8.0 6.9 10.3

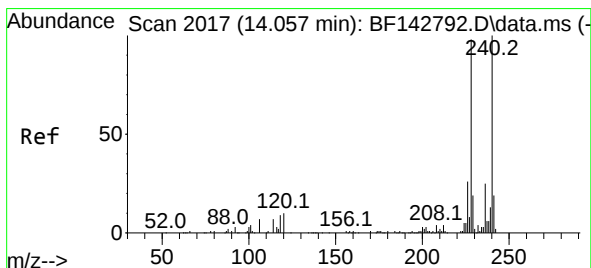
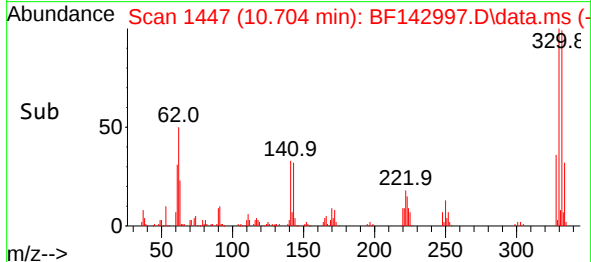
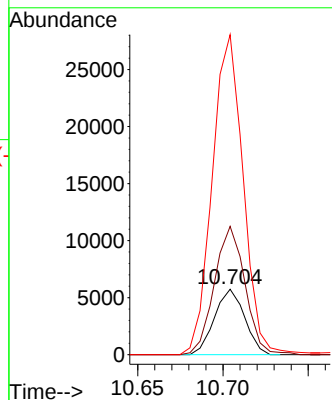
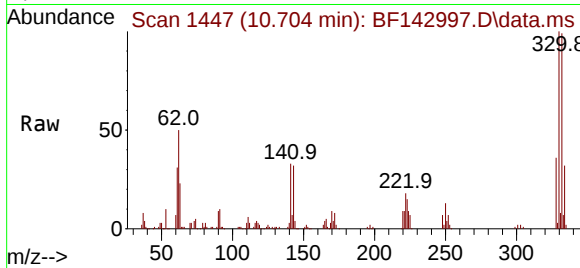




#67
4-Bromophenyl-phenylether
Concen: 2.488 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

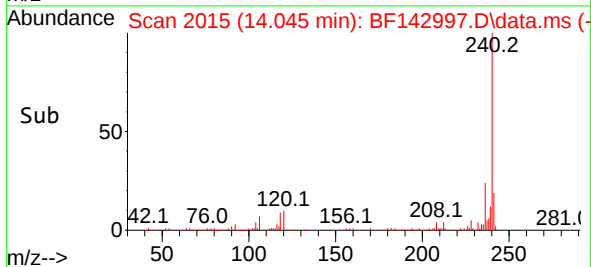
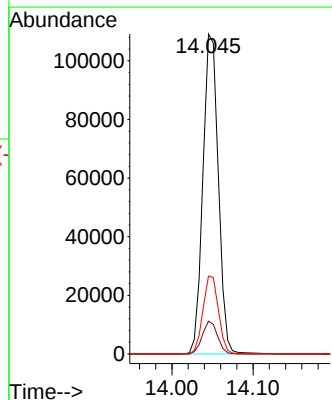
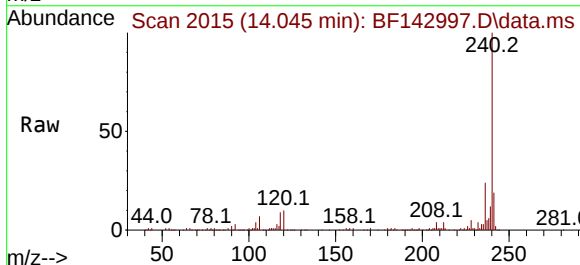
Instrument :
BNA_F
ClientSampleId :
TP-1006

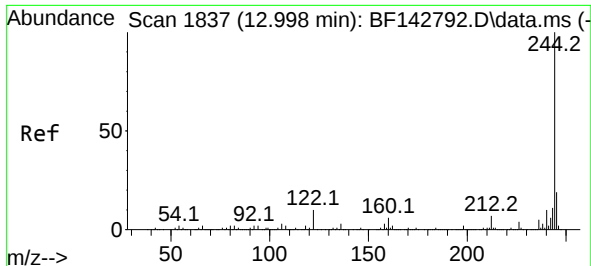
Tgt Ion:248 Resp: 7062
Ion Ratio Lower Upper
248 100
250 196.0 79.8 119.8#
141 488.6 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

Tgt Ion:240 Resp: 144108
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.4 19.8 29.8

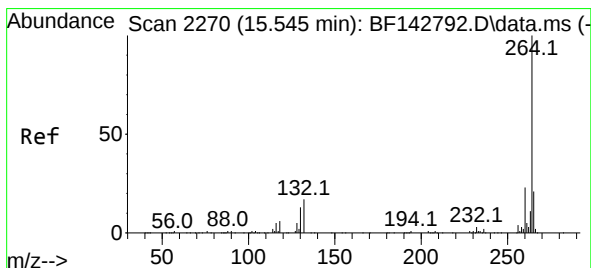
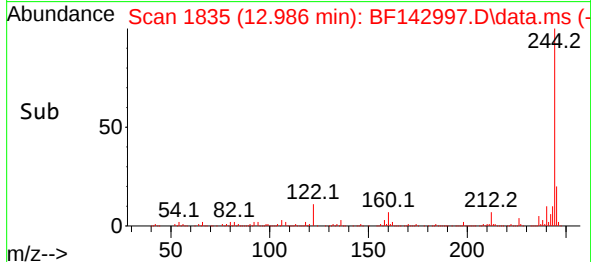
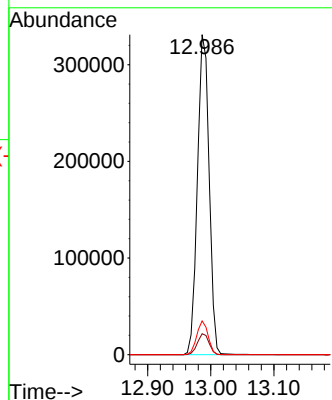
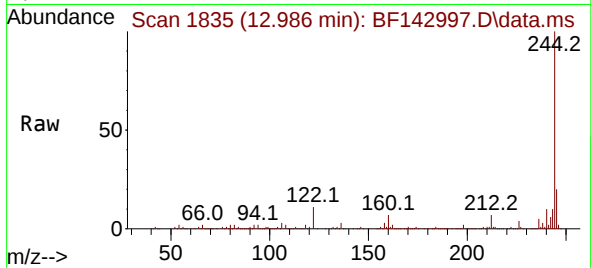




#79
 Terphenyl-d14
 Concen: 40.780 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142997.D
 Acq: 03 Jul 2025 15:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-1006

Tgt Ion:244 Resp: 425327
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142997.D
 Acq: 03 Jul 2025 15:27

Tgt Ion:264 Resp: 179957
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.1 27.1
 265 22.2 16.6 25.0

