

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142974.D
 Acq On : 02 Jul 2025 16:49
 Operator : RC/JU
 Sample : Q2469-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 02 17:10:49 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)

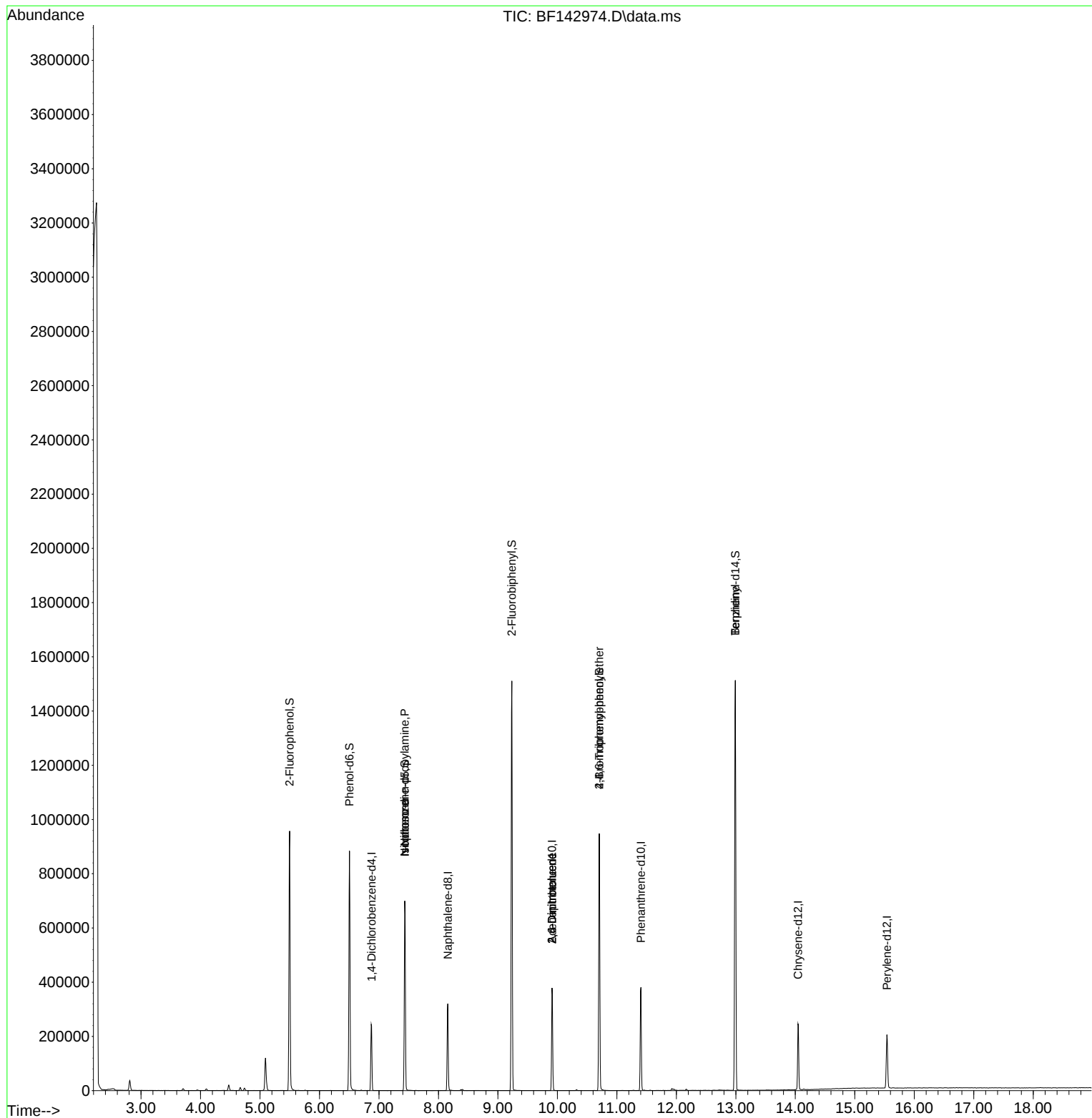
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	54858	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	213292	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	115512	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	207760	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126161	20.000	ng	-0.01
86) Perylene-d12	15.539	264	120352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	376126	114.153	ng	0.00
7) Phenol-d6	6.504	99	410354	105.561	ng	0.00
23) Nitrobenzene-d5	7.433	82	306316	78.773	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	164511	138.396	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	679474	77.274	ng	-0.01
79) Terphenyl-d14	12.992	244	758964	83.121	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	41170	18.210	ng	# 76
25) Isophorone	7.433	82	304987	48.893	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15412	9.386	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	15412	7.066	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10629	4.495	ng	# 1
77) Benzidine	12.992	184	9673	2.041	ng	# 91

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

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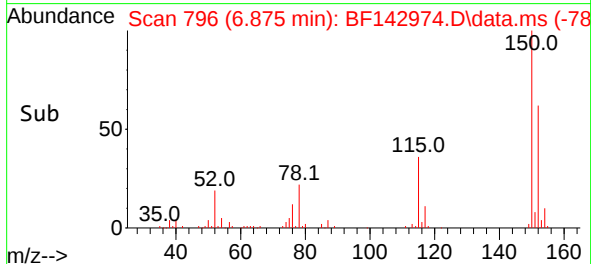
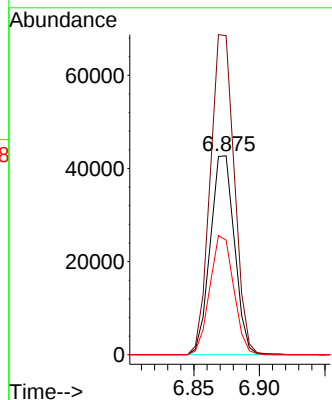
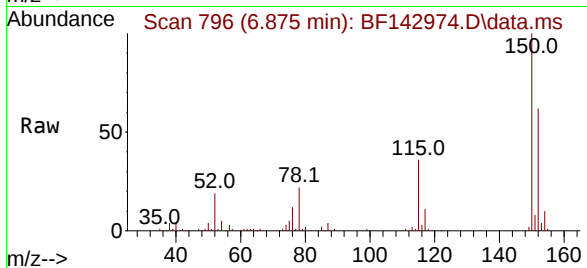




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

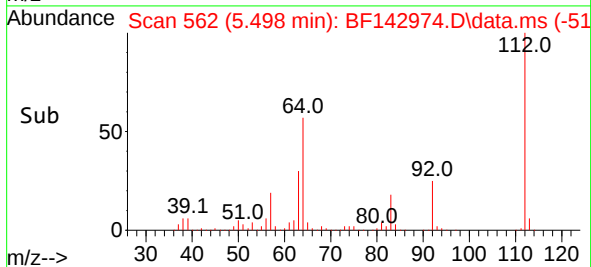
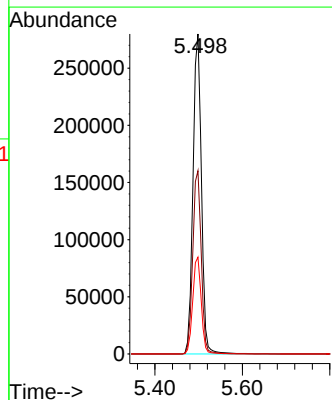
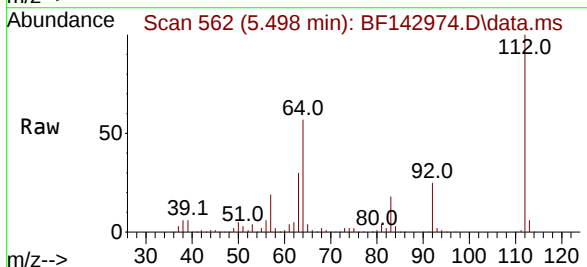
Instrument :
BNA_F
ClientSampleId :
WC-1

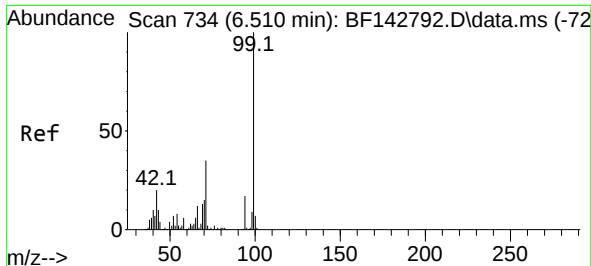
Tgt Ion:152 Resp: 54858
Ion Ratio Lower Upper
152 100
150 160.4 127.2 190.8
115 57.6 46.6 69.8



#5
2-Fluorophenol
Concen: 114.153 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Tgt Ion:112 Resp: 376126
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.2
63 30.3 25.7 38.5

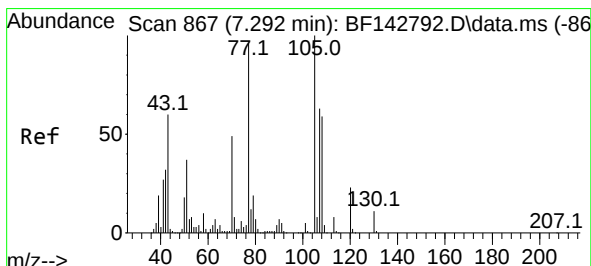
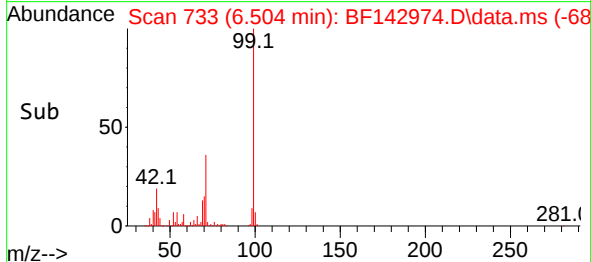
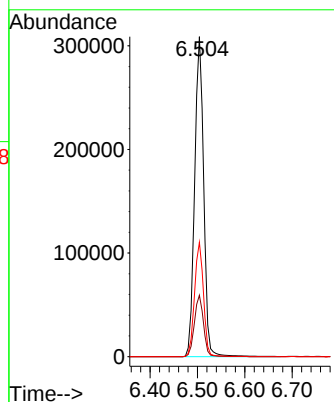
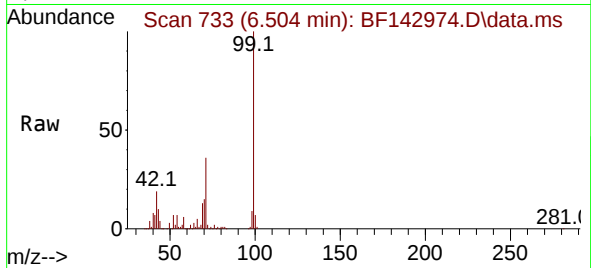




#7
Phenol-d6
Concen: 105.561 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

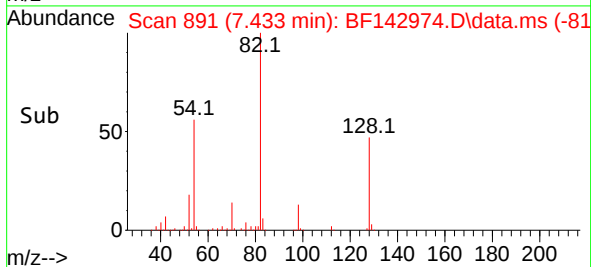
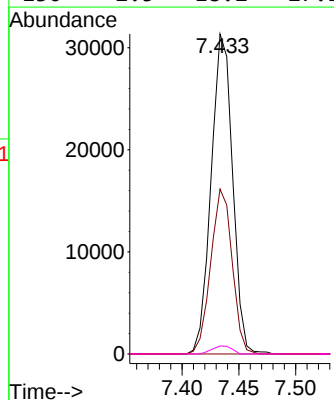
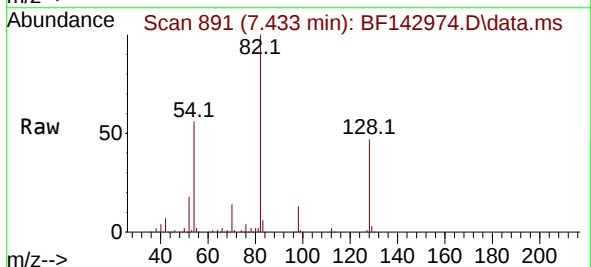
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 410354
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.210 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Tgt Ion: 70 Resp: 41170
Ion Ratio Lower Upper
70 100
42 51.5 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#



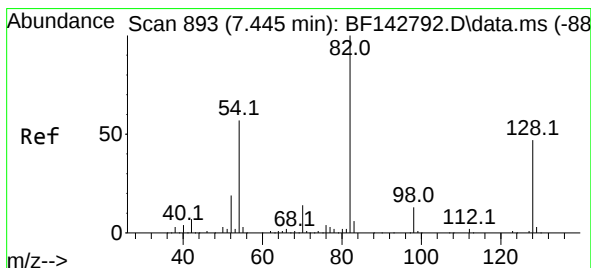
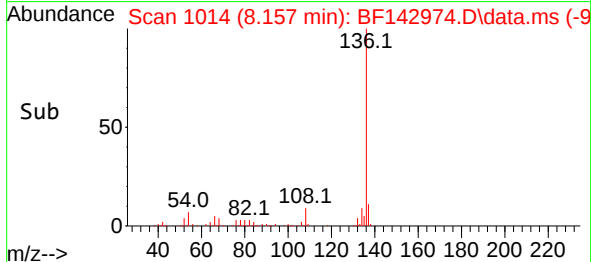
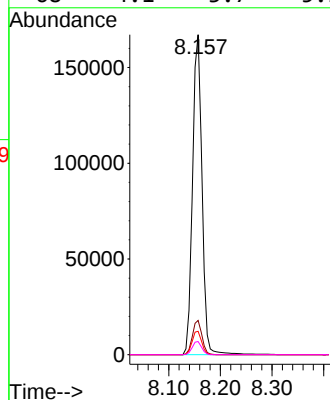
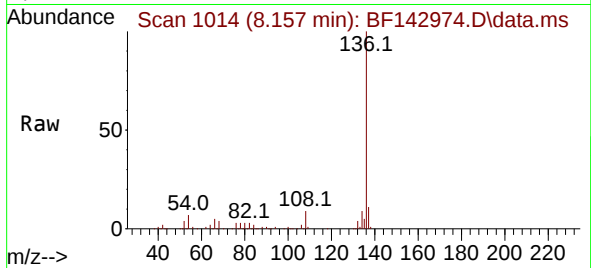


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 213292

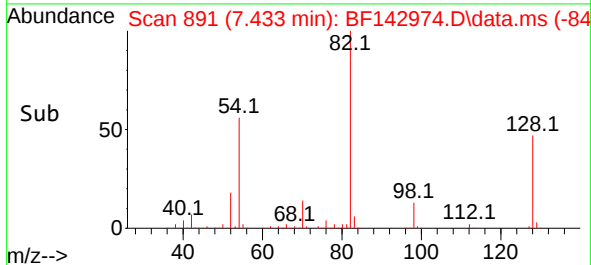
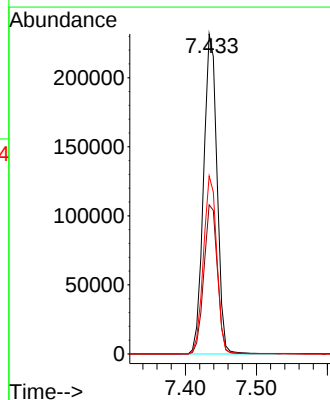
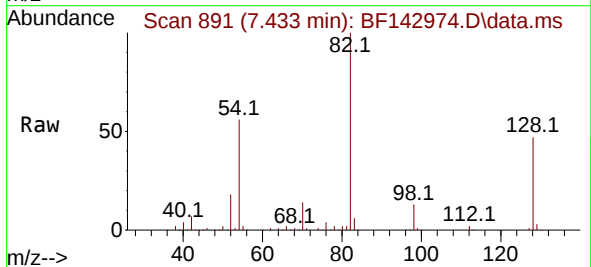
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.3	6.3	9.5
68	4.1	3.7	5.5



#23
Nitrobenzene-d5
Concen: 78.773 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Tgt Ion: 82 Resp: 306316

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	55.7	45.7	68.5

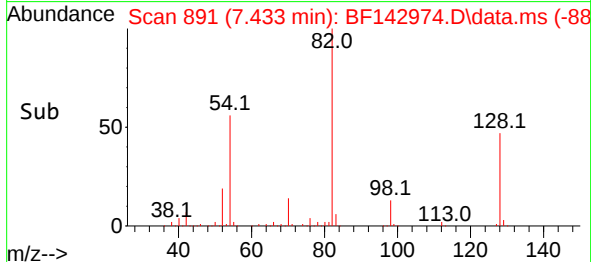
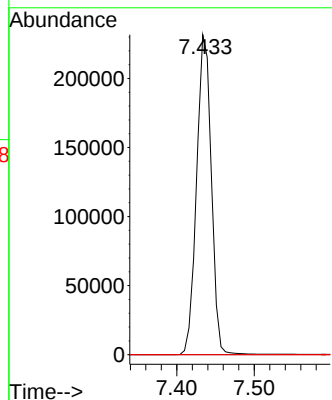
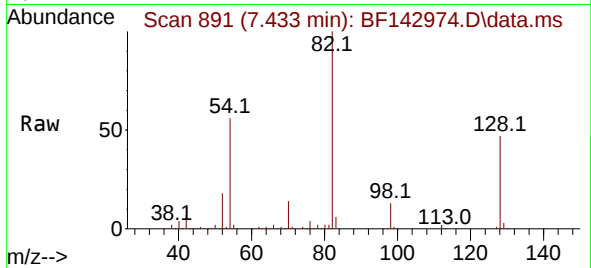




#25
Isophorone
Concen: 48.893 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

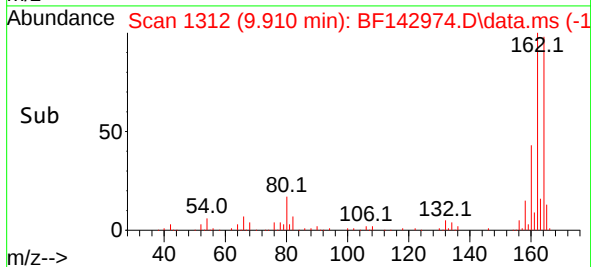
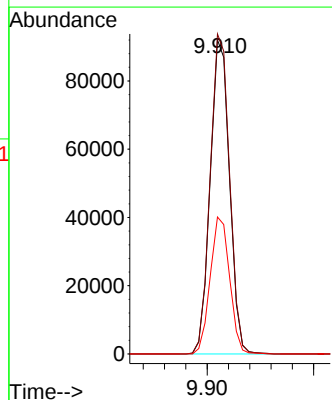
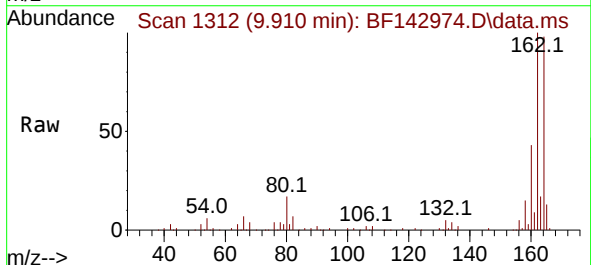
Instrument :
BNA_F
ClientSampleId :
WC-1

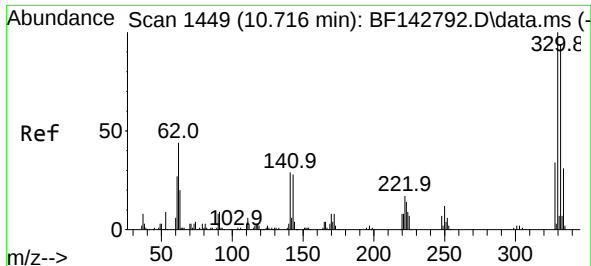
Tgt Ion: 82 Resp: 304987
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Tgt Ion: 164 Resp: 115512
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.8
160 43.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 138.396 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142974.D

Acq: 02 Jul 2025 16:49

Instrument :

BNA_F

ClientSampleId :

WC-1

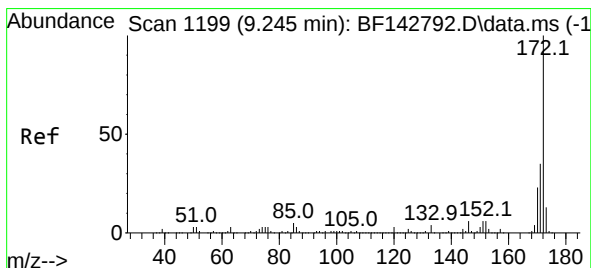
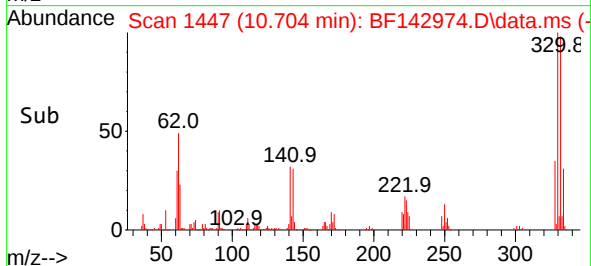
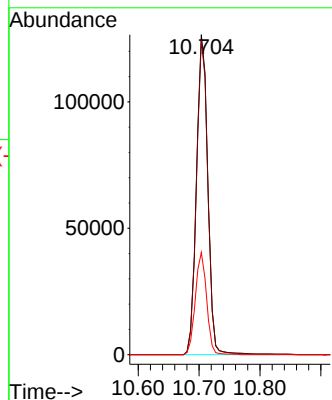
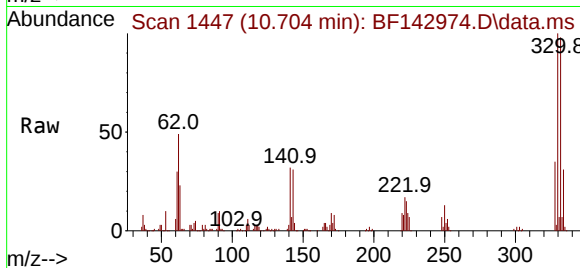
Tgt Ion:330 Resp: 164511

Ion Ratio Lower Upper

330 100

332 97.8 75.0 112.6

141 31.6 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 77.274 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142974.D

Acq: 02 Jul 2025 16:49

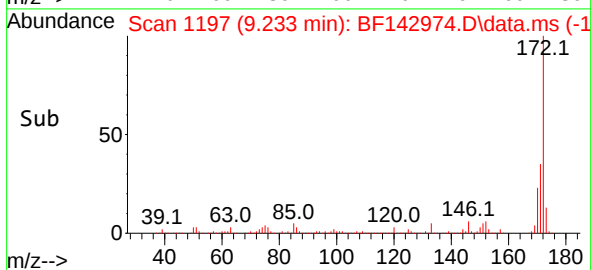
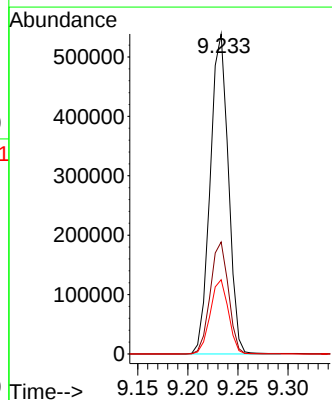
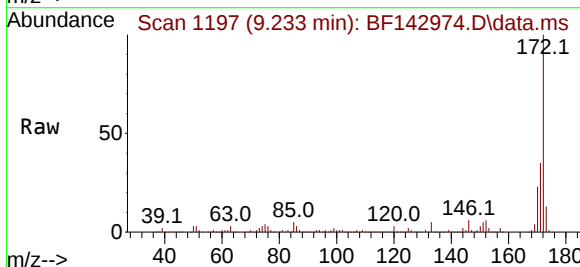
Tgt Ion:172 Resp: 679474

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.5 27.7

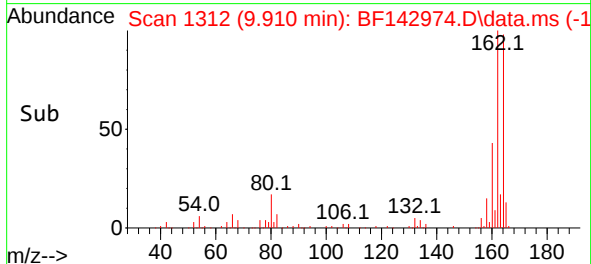
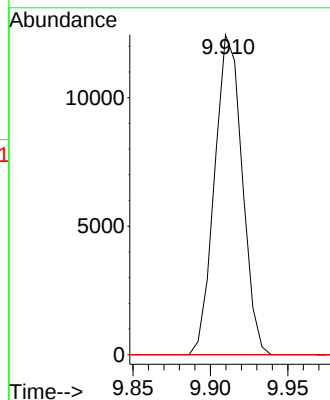
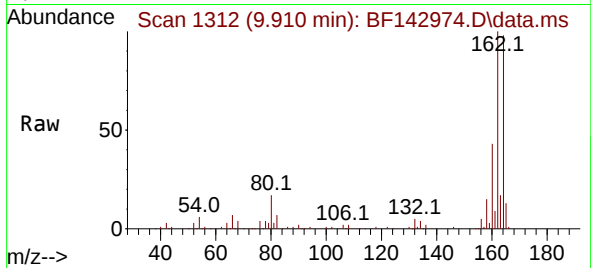




#51
2,6-Dinitrotoluene
Concen: 9.386 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

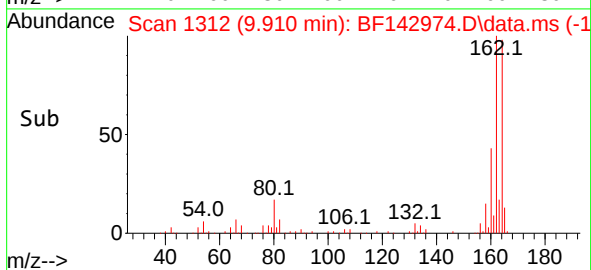
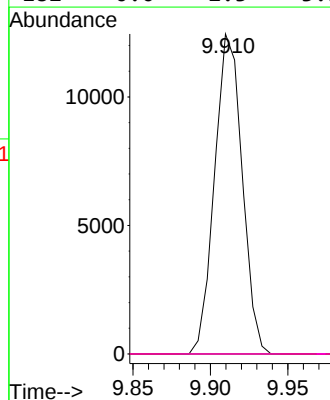
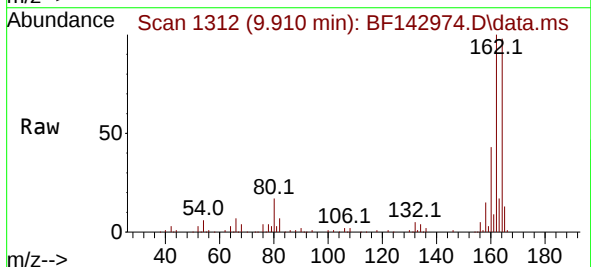
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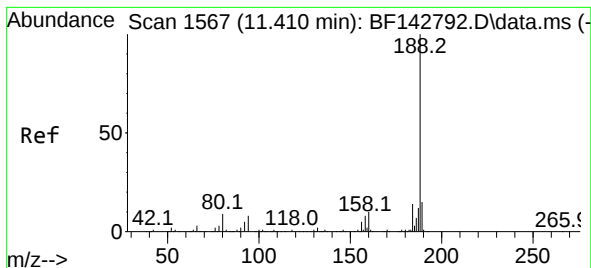
Tgt Ion:165 Resp: 15412
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.066 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142974.D
Acq: 02 Jul 2025 16:49

Tgt Ion:165 Resp: 15412
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: BF142974.D

Acq: 02 Jul 2025 16:49

Instrument :

BNA_F

ClientSampleId :

WC-1

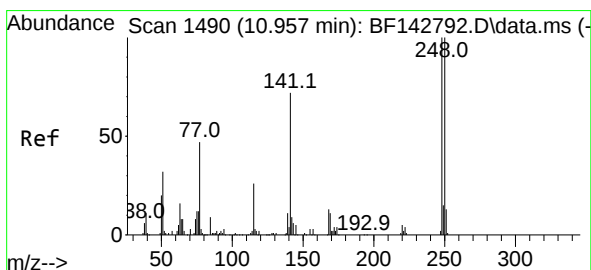
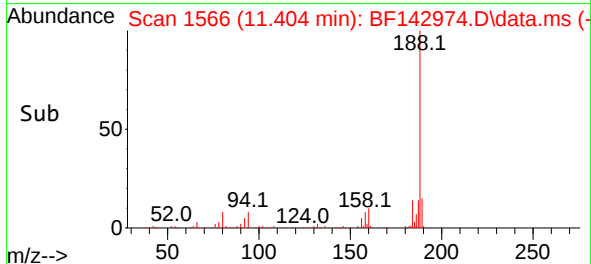
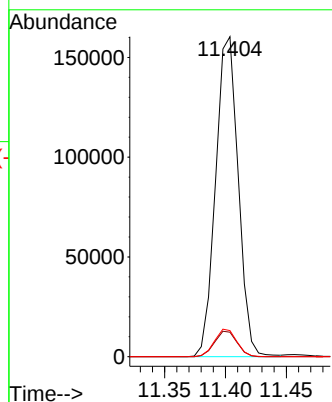
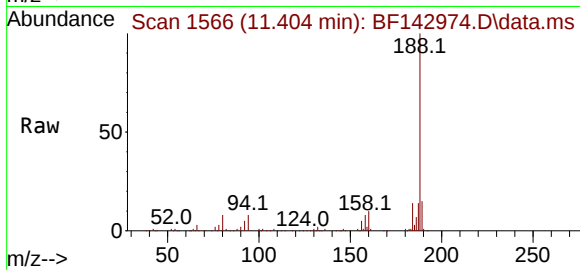
Tgt Ion:188 Resp: 207760

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.495 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142974.D

Acq: 02 Jul 2025 16:49

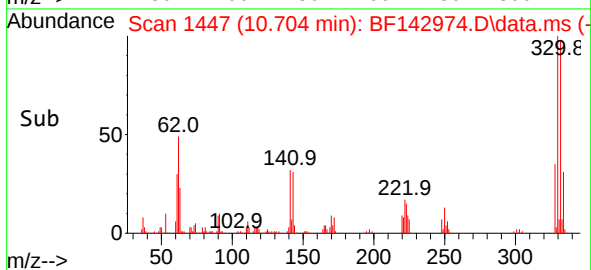
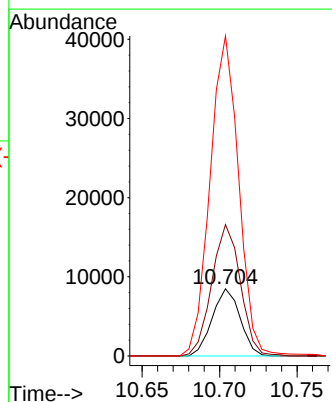
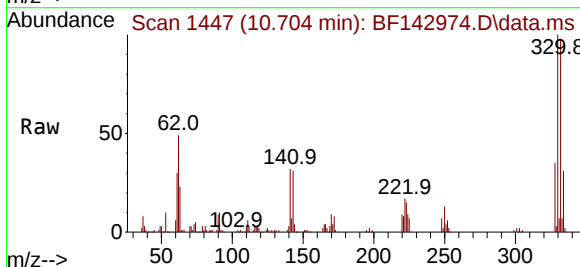
Tgt Ion:248 Resp: 10629

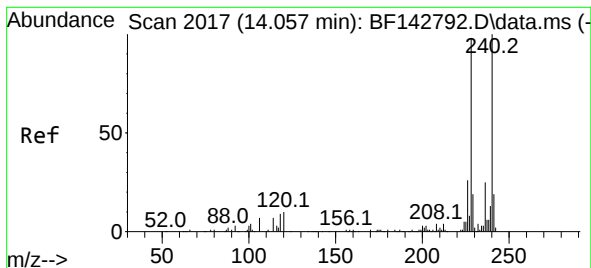
Ion Ratio Lower Upper

248 100

250 195.5 79.8 119.8#

141 476.4 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: BF142974.D

Acq: 02 Jul 2025 16:49

Instrument :

BNA_F

ClientSampleId :

WC-1

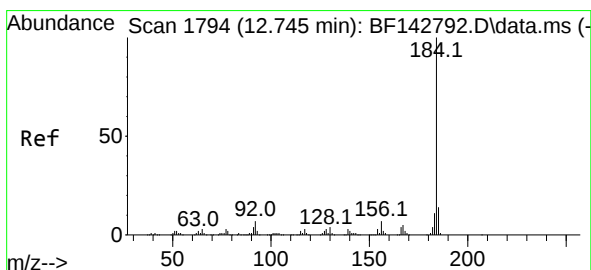
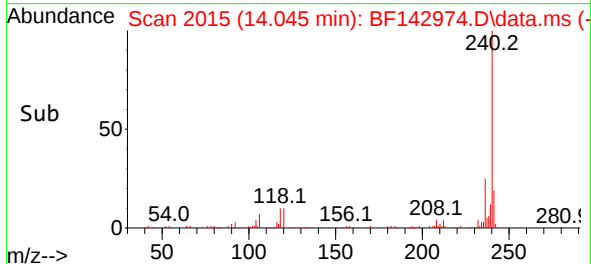
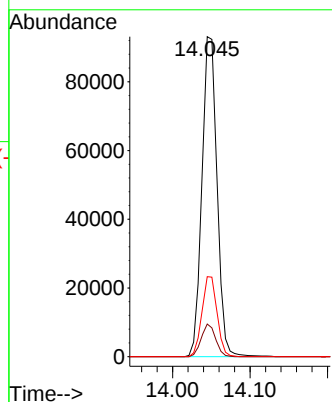
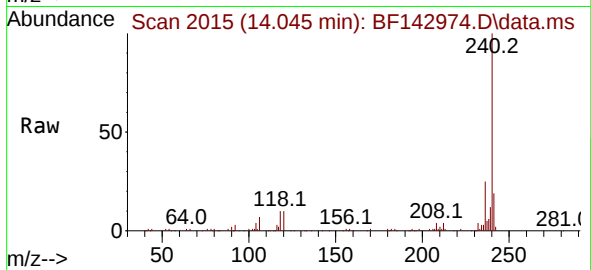
Tgt Ion:240 Resp: 126161

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 25.0 19.8 29.8



#77

Benzidine

Concen: 2.041 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142974.D

Acq: 02 Jul 2025 16:49

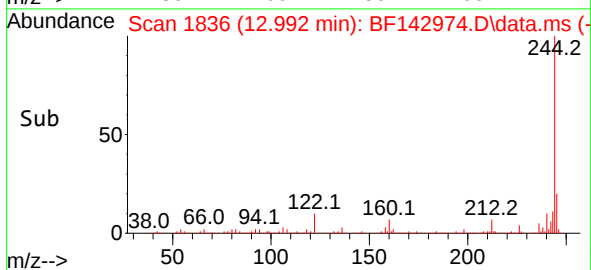
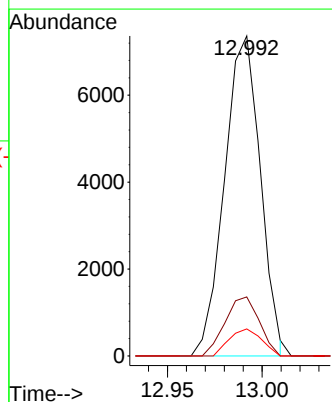
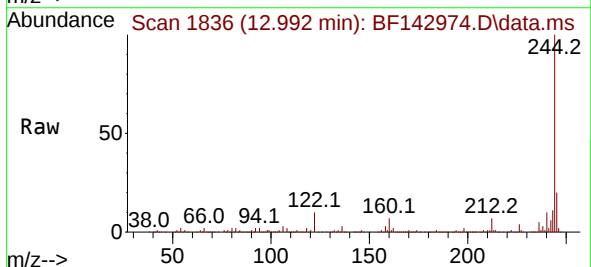
Tgt Ion:184 Resp: 9673

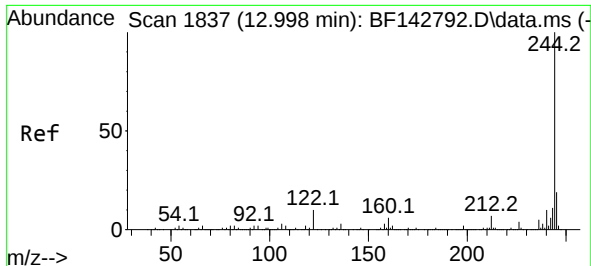
Ion Ratio Lower Upper

184 100

185 18.4 11.5 17.3#

183 8.5 9.0 13.4#

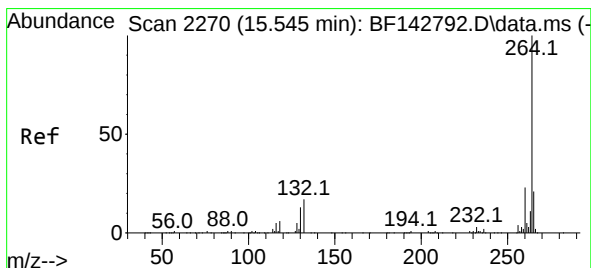
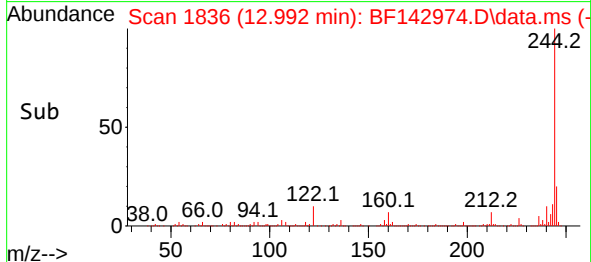
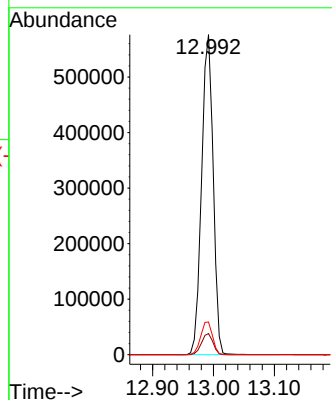
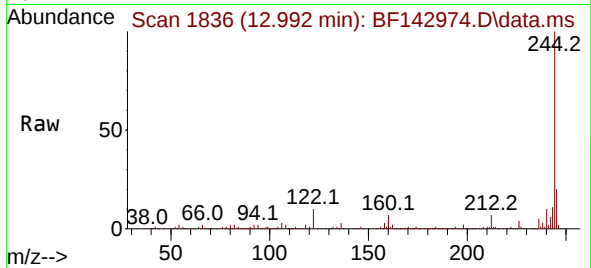




#79
 Terphenyl-d14
 Concen: 83.121 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142974.D
 Acq: 02 Jul 2025 16:49

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 758964
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.2 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: BF142974.D
 Acq: 02 Jul 2025 16:49

Tgt Ion:264 Resp: 120352
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.1 27.1
 265 21.5 16.6 25.0

