

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142871.D
 Acq On : 26 Jun 2025 16:36
 Operator : RC/JU
 Sample : Q2416-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-G/H

Quant Time: Jun 26 16:57:08 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)

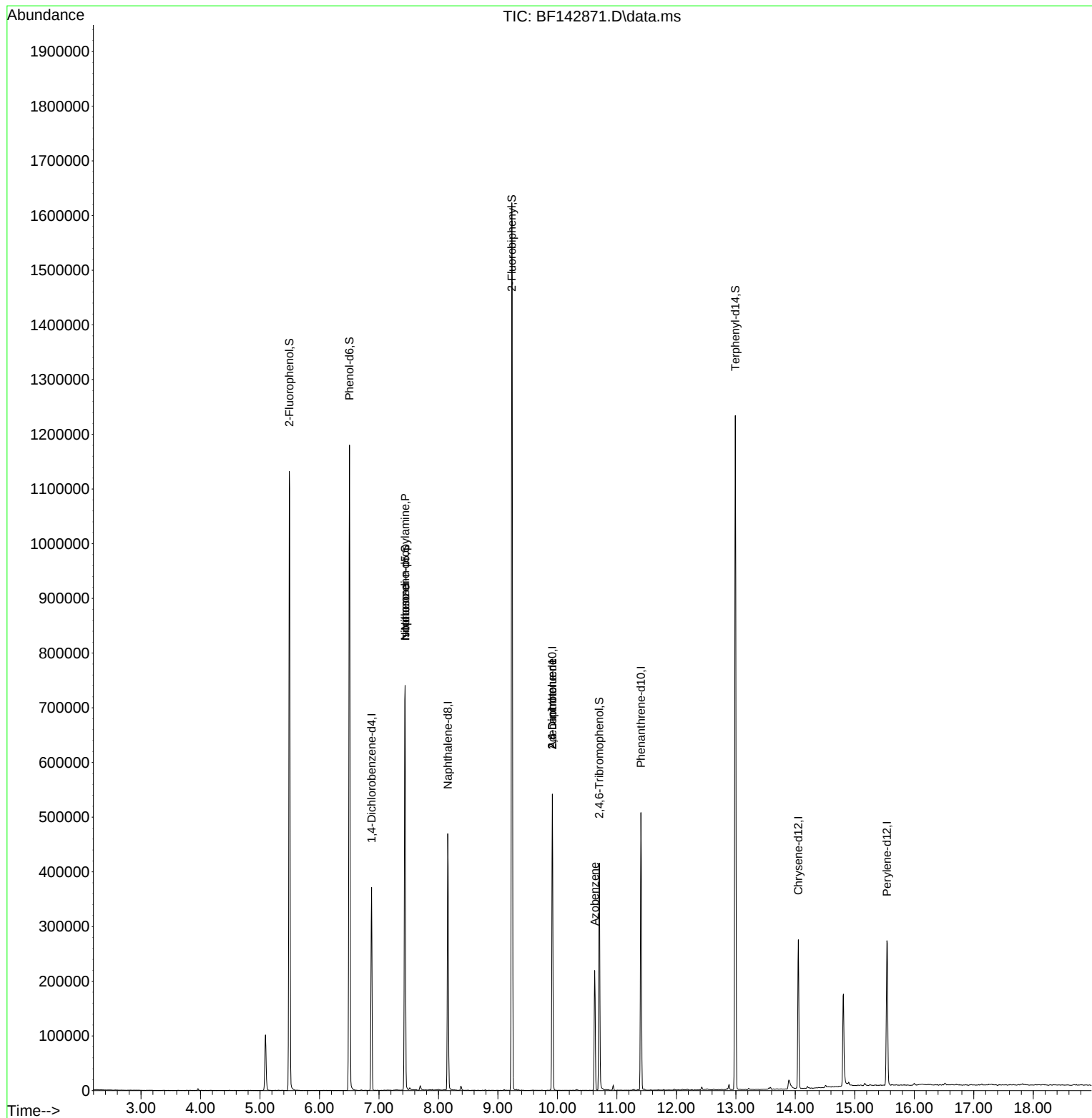
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80796	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305005	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163112	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	263736	20.000	ng	0.00
76) Chrysene-d12	14.051	240	136341	20.000	ng	0.00
86) Perylene-d12	15.539	264	163907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	447805	92.277	ng	0.00
7) Phenol-d6	6.504	99	558162	97.489	ng	0.00
23) Nitrobenzene-d5	7.440	82	327030	58.812	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	73729	43.925	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	735128	59.206	ng	-0.01
79) Terphenyl-d14	12.992	244	594132	60.210	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.440	70	44256	13.290	ng	# 75
25) Isophorone	7.440	82	327028	36.662	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20389	8.793	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	20389	6.620	ng	# 28
63) Azobenzene	10.628	77	50783	5.489	ng	# 1

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

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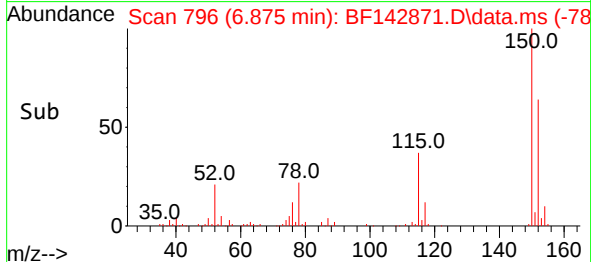
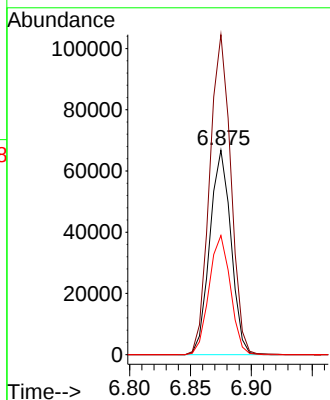
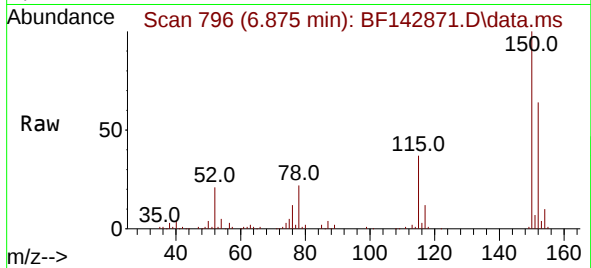




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

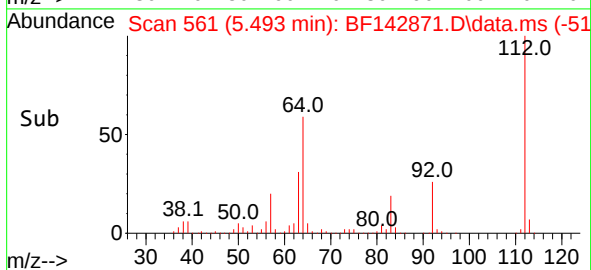
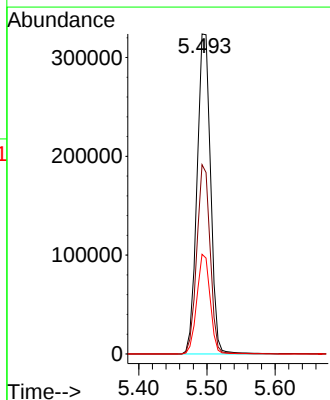
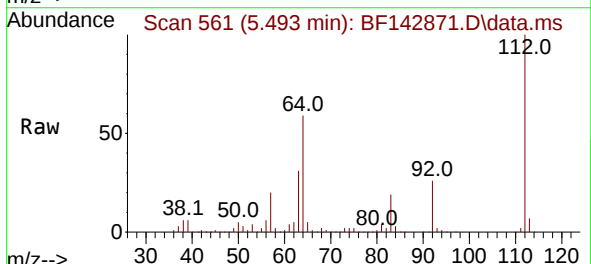
Instrument :
BNA_F
ClientSampleId :
MH-G/H

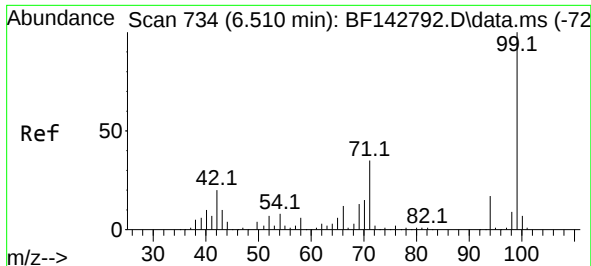
Tgt Ion:152 Resp: 80796
Ion Ratio Lower Upper
152 100
150 156.5 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 92.277 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Tgt Ion:112 Resp: 447805
Ion Ratio Lower Upper
112 100
64 59.1 48.2 72.2
63 31.2 25.7 38.5

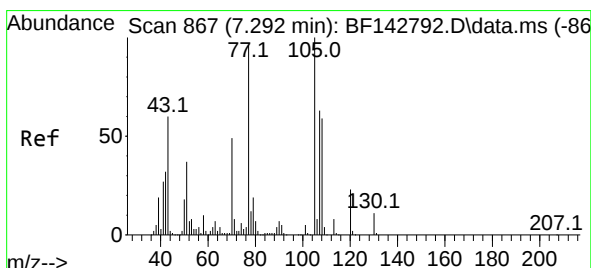
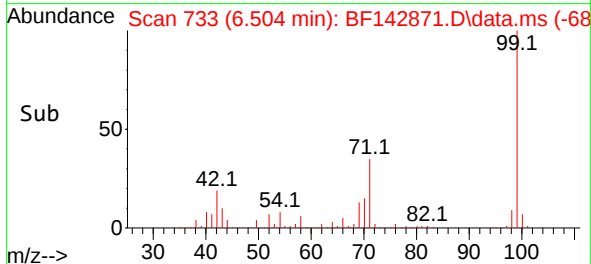
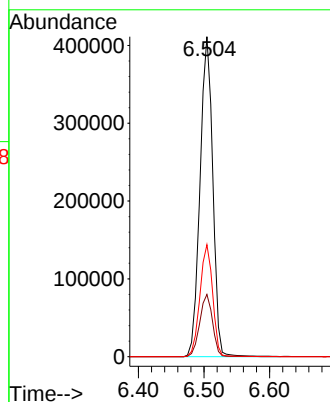
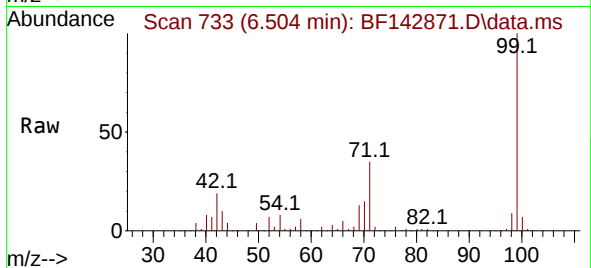




#7
Phenol-d6
Concen: 97.489 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

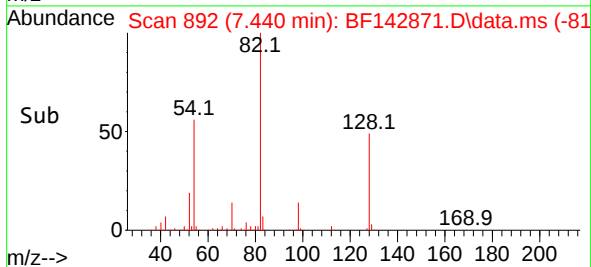
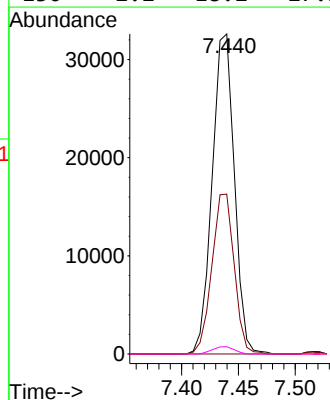
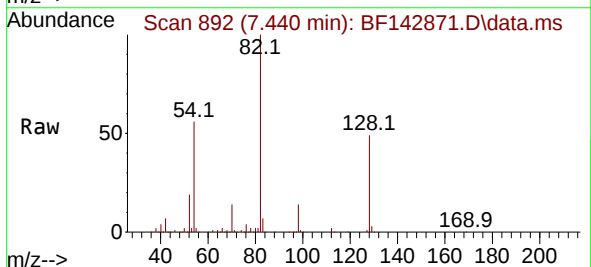
Instrument :
BNA_F
ClientSampleId :
MH-G/H

Tgt Ion: 99 Resp: 558162
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.290 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Tgt Ion: 70 Resp: 44256
Ion Ratio Lower Upper
70 100
42 50.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

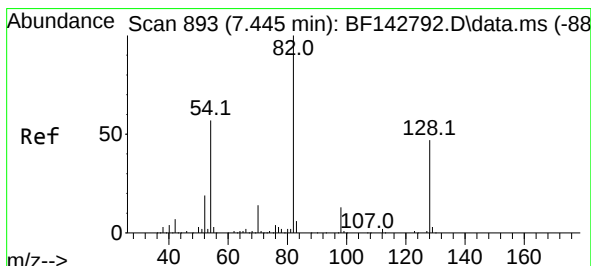
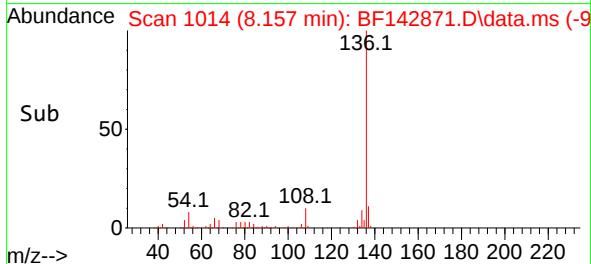
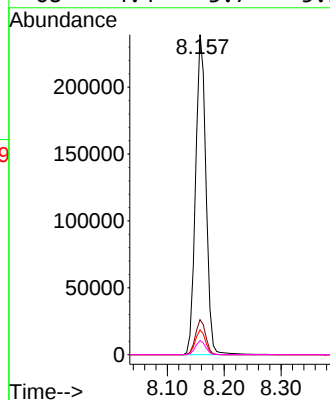
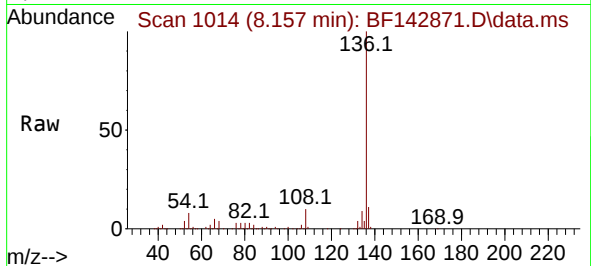




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

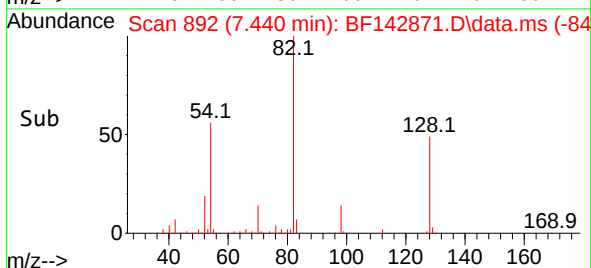
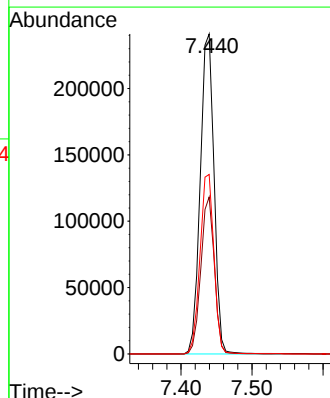
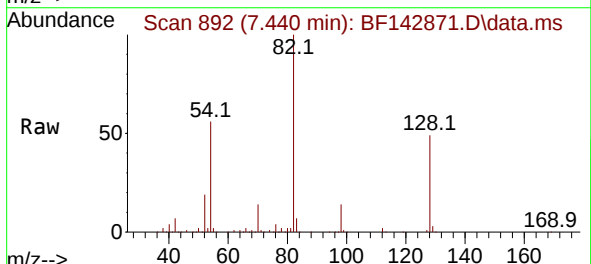
Instrument :
BNA_F
ClientSampleId :
MH-G/H

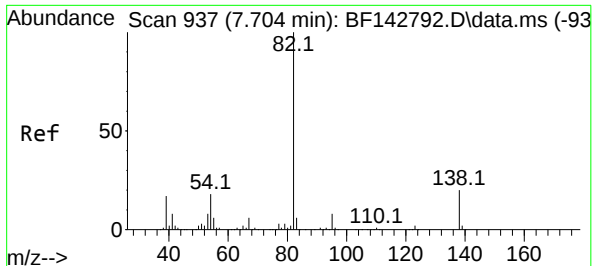
Tgt Ion:136 Resp: 305005
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 58.812 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Tgt Ion: 82 Resp: 327030
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 56.1 45.7 68.5

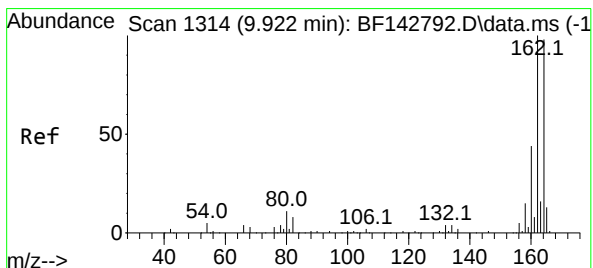
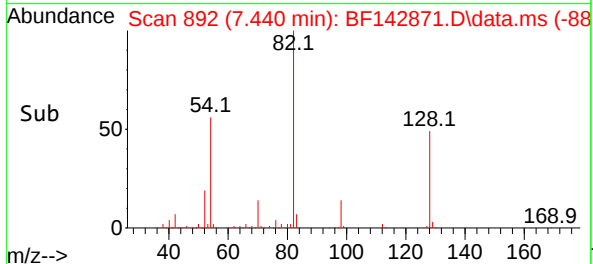
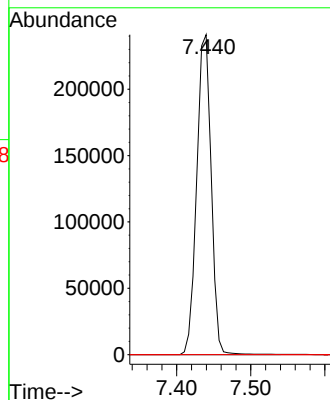
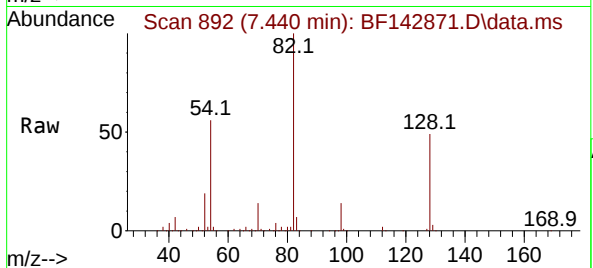




#25
Isophorone
Concen: 36.662 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.264 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

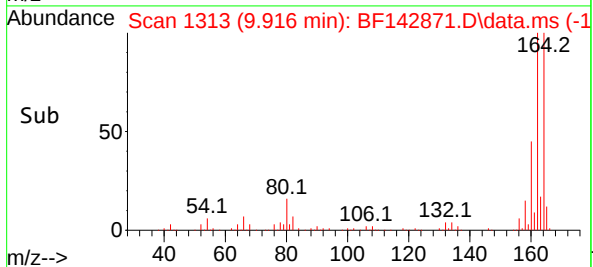
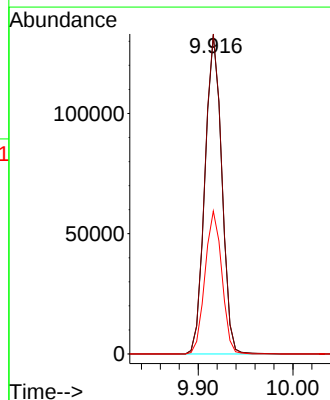
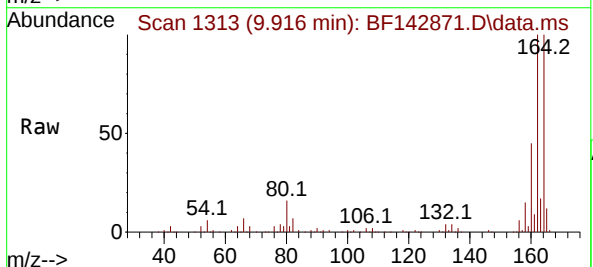
Instrument :
BNA_F
ClientSampleId :
MH-G/H

Tgt Ion: 82 Resp: 327028
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: BF142871.D
Acq: 26 Jun 2025 16:36

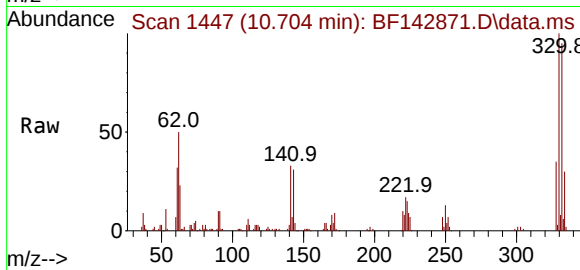
Tgt Ion:164 Resp: 163112
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.8
160 44.9 36.0 54.0



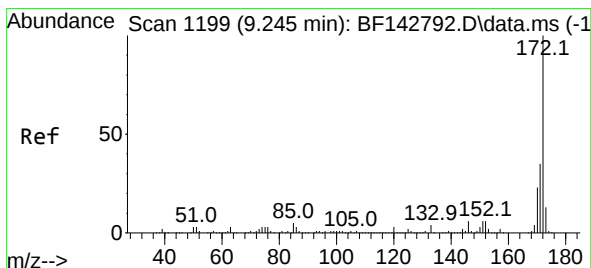
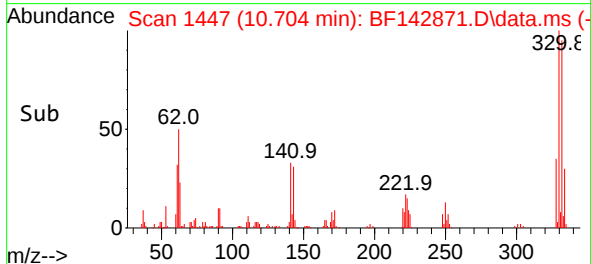
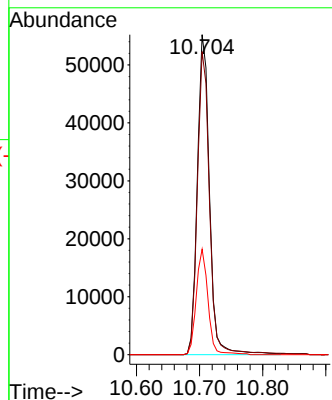


#42
2,4,6-Tribromophenol
Concen: 43.925 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MH-G/H

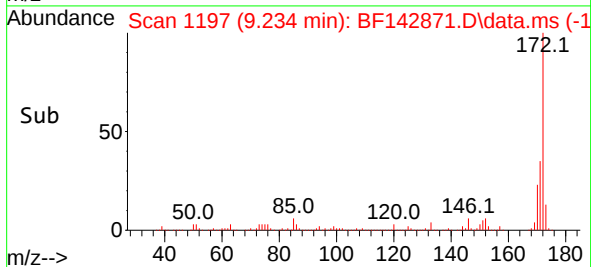
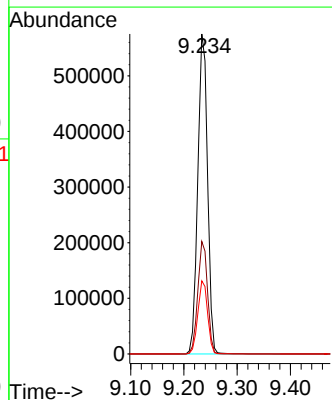
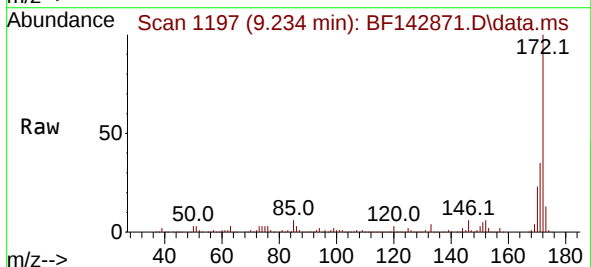


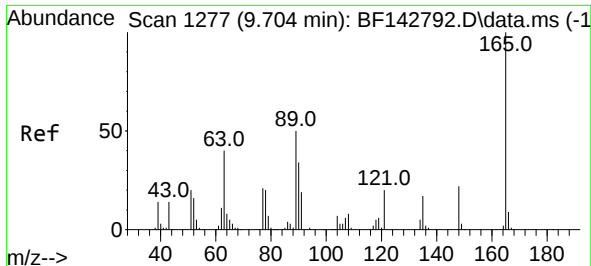
Tgt Ion: 330 Resp: 73729
Ion Ratio Lower Upper
330 100
332 94.0 75.0 112.6
141 31.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 59.206 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Tgt Ion: 172 Resp: 735128
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 22.9 18.5 27.7

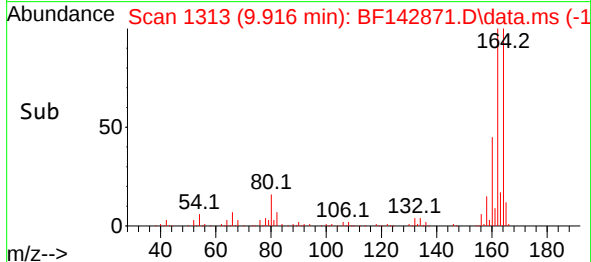
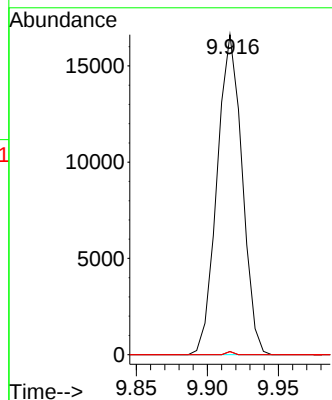
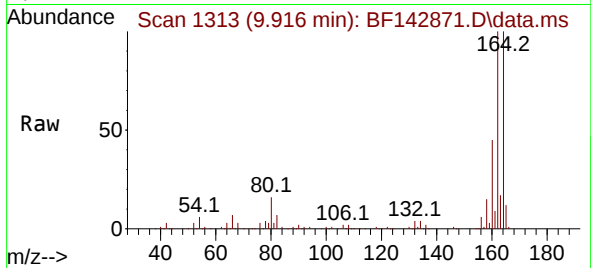




#51
2,6-Dinitrotoluene
Concen: 8.793 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

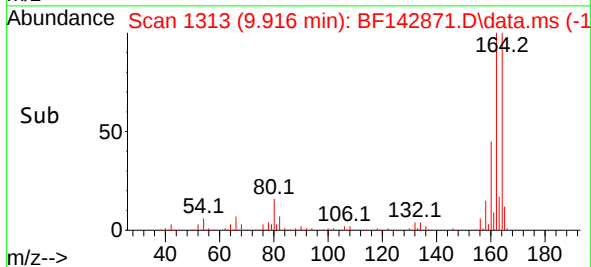
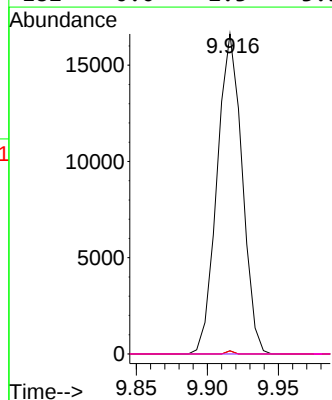
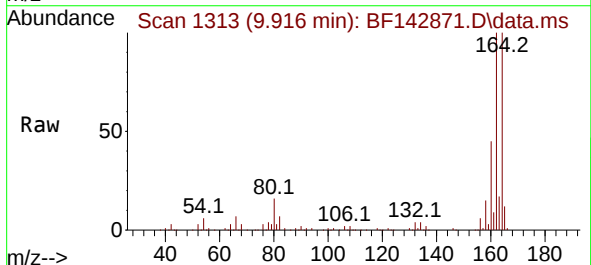
Instrument :
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ClientSampleId :
MH-G/H

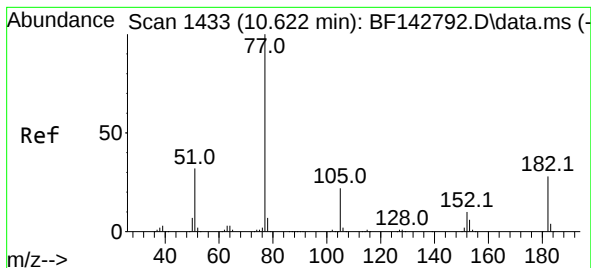
Tgt Ion:165 Resp: 20389
Ion Ratio Lower Upper
165 100
63 1.0 44.2 66.4#
89 1.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.620 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142871.D
Acq: 26 Jun 2025 16:36

Tgt Ion:165 Resp: 20389
Ion Ratio Lower Upper
165 100
63 1.0 33.9 50.9#
89 1.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.489 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142871.D

Acq: 26 Jun 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MH-G/H

Tgt Ion: 77 Resp: 50783

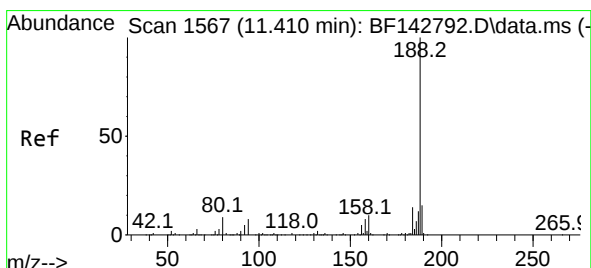
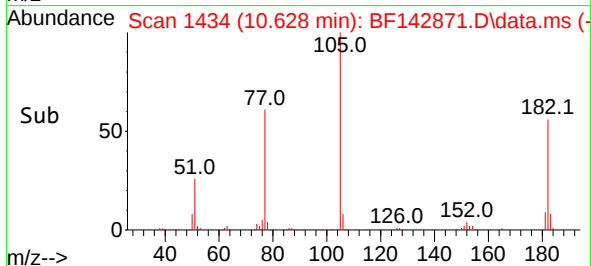
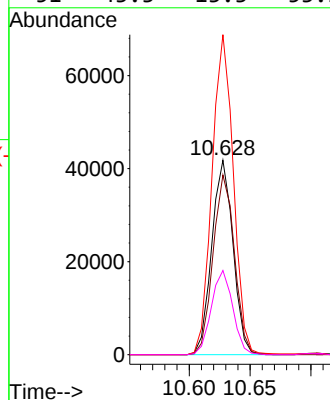
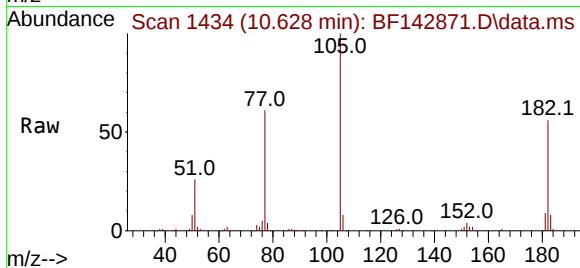
Ion Ratio Lower Upper

77 100

182 92.4 7.7 47.7#

105 164.6 1.9 41.9#

51 43.3 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: BF142871.D

Acq: 26 Jun 2025 16:36

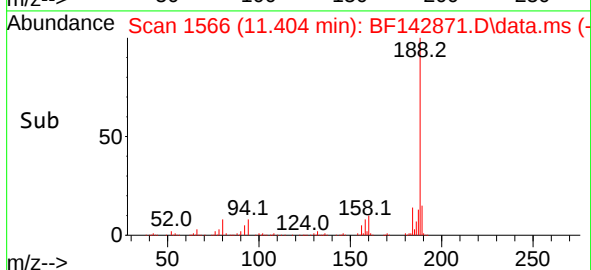
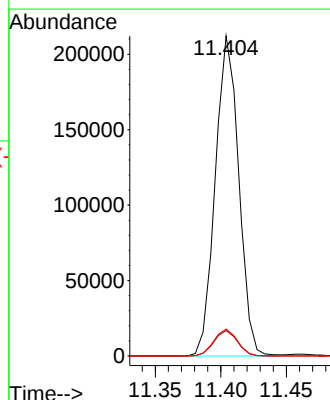
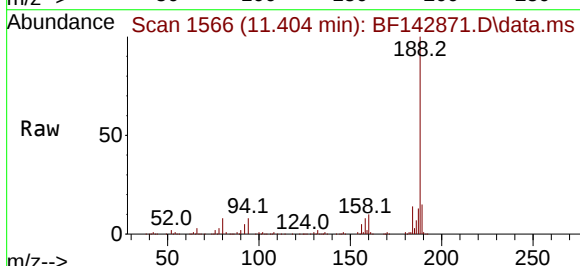
Tgt Ion: 188 Resp: 263736

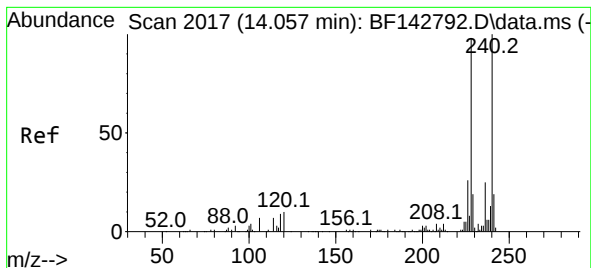
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.4 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: BF142871.D

Acq: 26 Jun 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MH-G/H

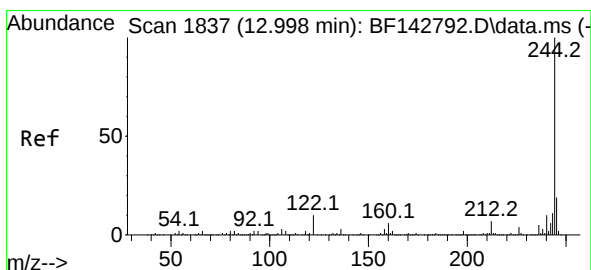
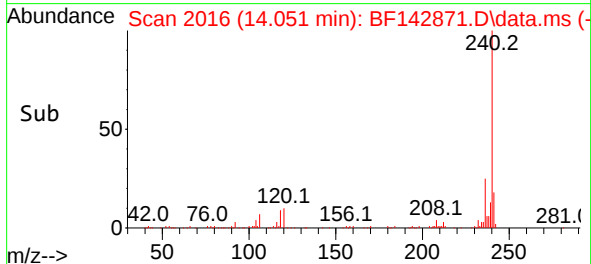
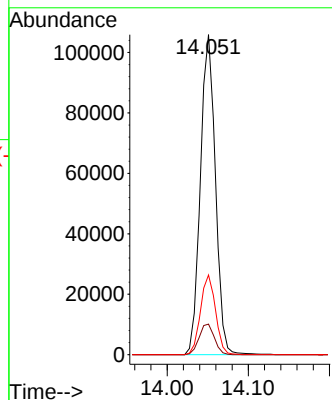
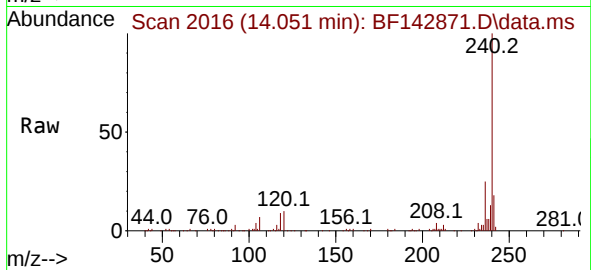
Tgt Ion:240 Resp: 136341

Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.2

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 60.210 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142871.D

Acq: 26 Jun 2025 16:36

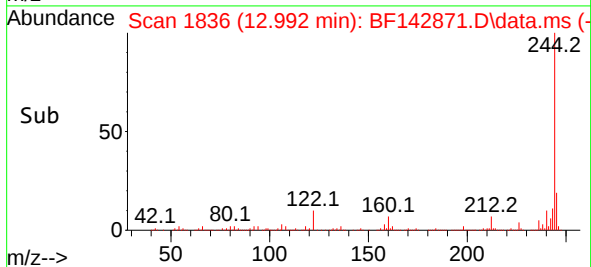
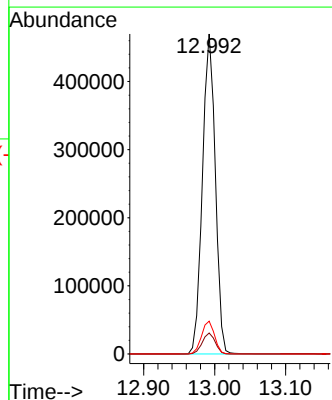
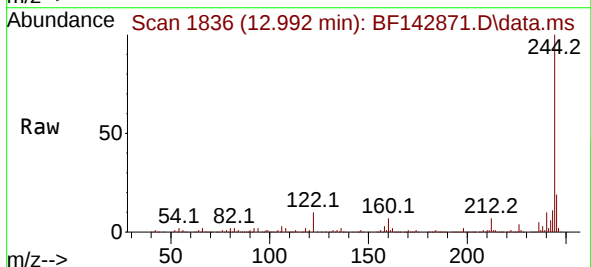
Tgt Ion:244 Resp: 594132

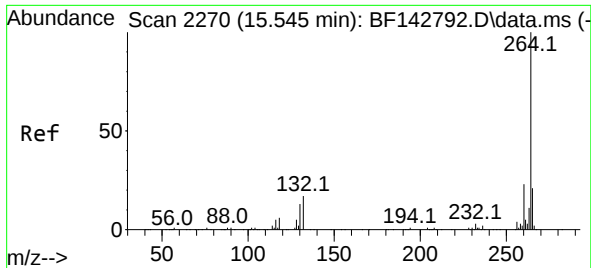
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

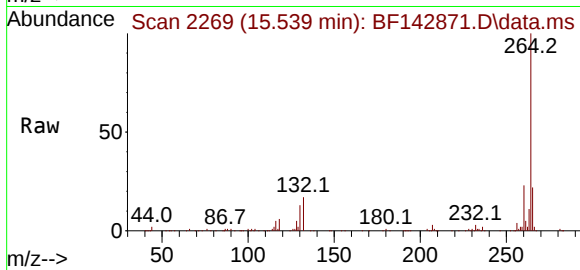
122 10.3 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142871.D
 Acq: 26 Jun 2025 16:36

Instrument :
 BNA_F
 ClientSampleId :
 MH-G/H



Tgt Ion:264 Resp: 163907
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.1 27.1
 265 21.8 16.6 25.0

