

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142923.D
 Acq On : 30 Jun 2025 19:13
 Operator : RC/JU
 Sample : Q2436-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-70

Quant Time: Jul 01 01:24:12 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)

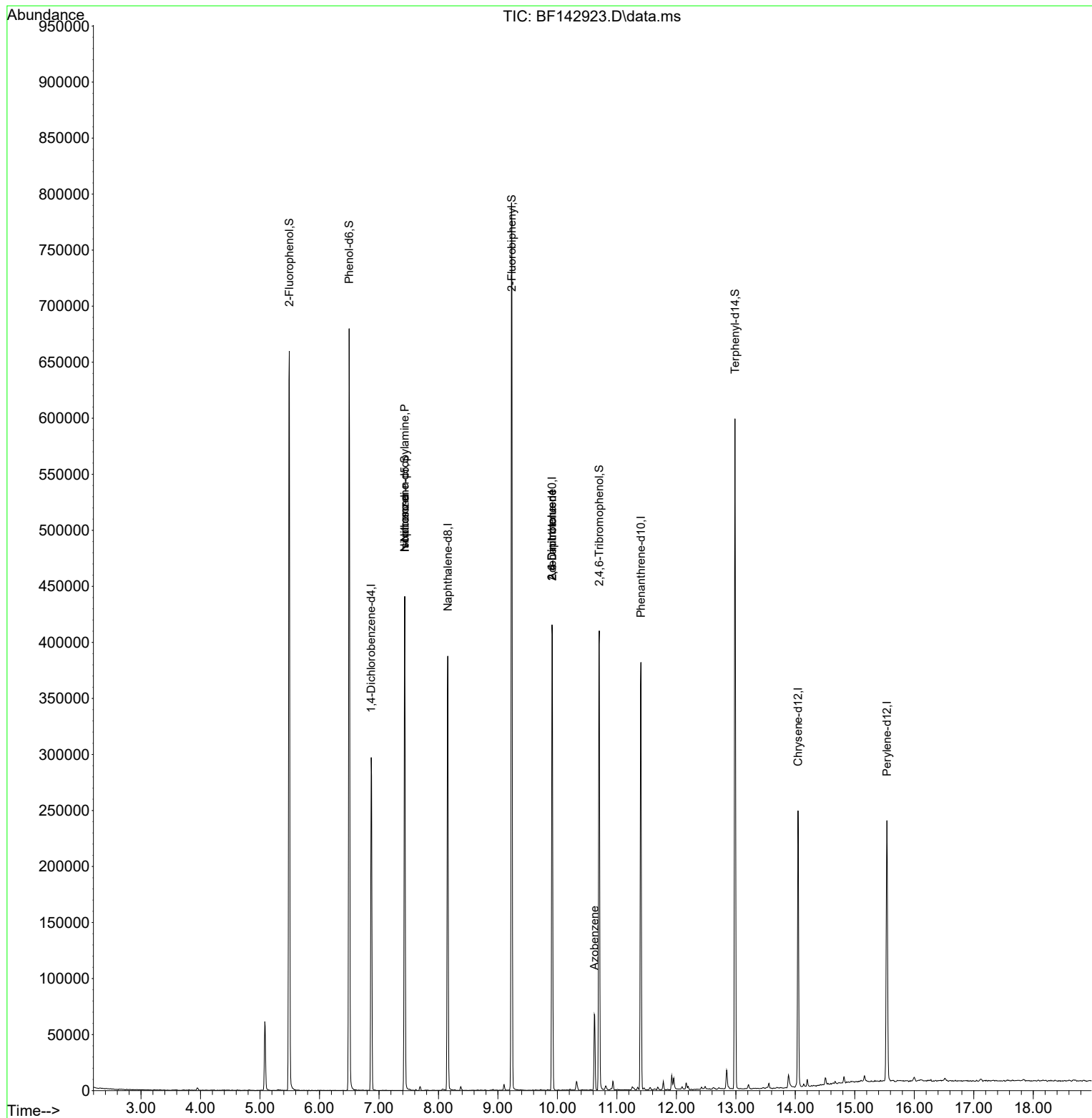
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	67119	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	251731	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	128727	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	205881	20.000	ng	0.00
76) Chrysene-d12	14.045	240	122352	20.000	ng	-0.01
86) Perylene-d12	15.539	264	139575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	260111	64.522	ng	0.00
7) Phenol-d6	6.498	99	304608	64.044	ng	-0.01
23) Nitrobenzene-d5	7.434	82	183870	40.064	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	73120	55.198	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	366981	37.451	ng	-0.01
79) Terphenyl-d14	12.986	244	285448	32.235	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	24059	8.697	ng	# 77
25) Isophorone	7.434	82	183797	24.965	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	16315	8.916	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	16315	6.712	ng	# 27
63) Azobenzene	10.622	77	16645	2.280	ng	# 1

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

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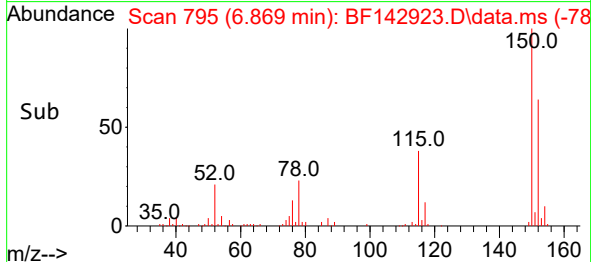
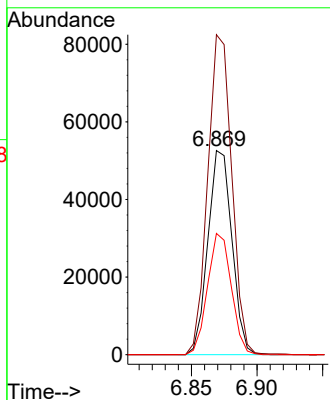
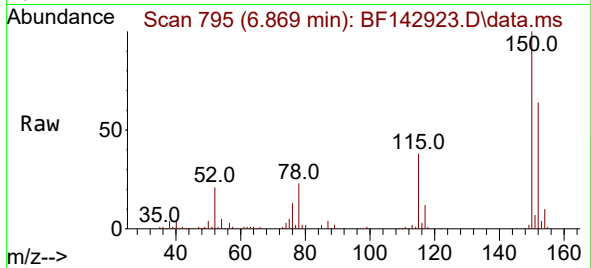




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142923.D
 Acq: 30 Jun 2025 19:13

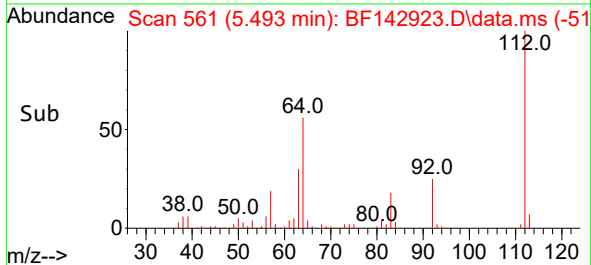
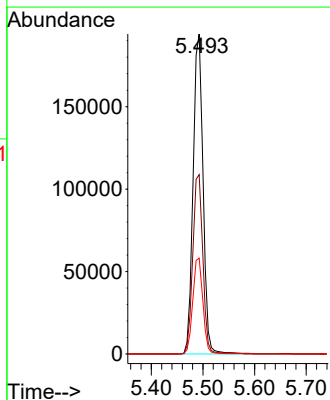
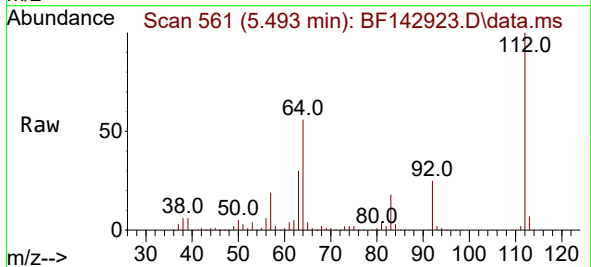
Instrument :
 BNA_F
 ClientSampleId :
 TP-70

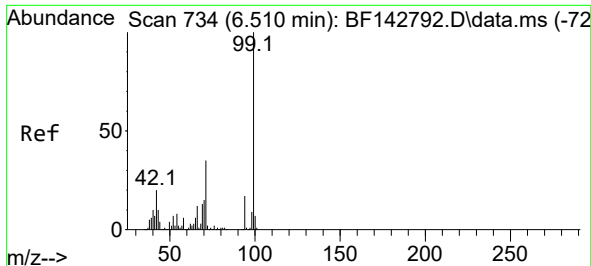
Tgt Ion:152 Resp: 67119
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.2 190.8
 115 59.4 46.6 69.8



#5
 2-Fluorophenol
 Concen: 64.522 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142923.D
 Acq: 30 Jun 2025 19:13

Tgt Ion:112 Resp: 260111
 Ion Ratio Lower Upper
 112 100
 64 56.1 48.2 72.2
 63 29.9 25.7 38.5

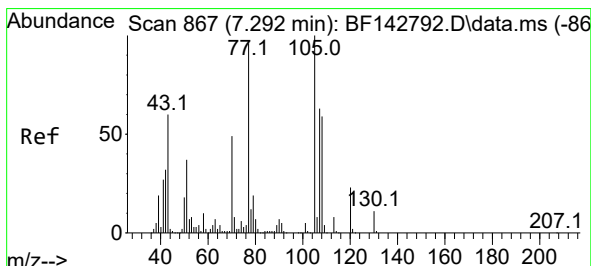
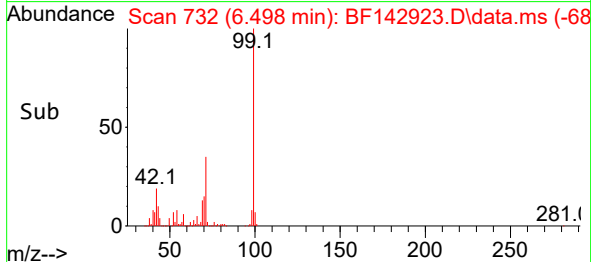
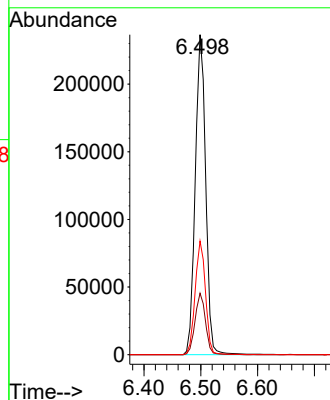
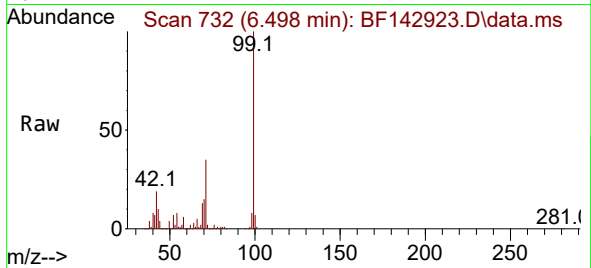




#7
Phenol-d6
Concen: 64.044 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

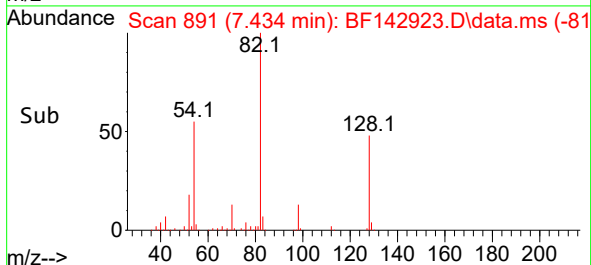
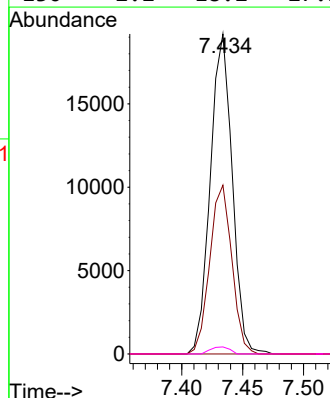
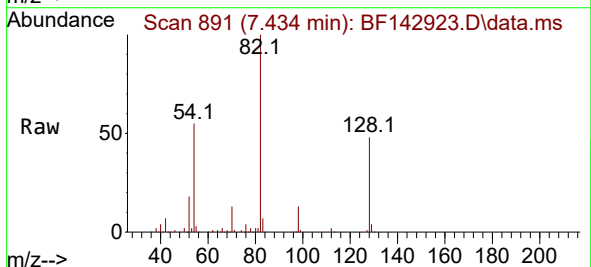
Instrument :
BNA_F
ClientSampleId :
TP-70

Tgt Ion: 99 Resp: 304608
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.697 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion: 70 Resp: 24059
Ion Ratio Lower Upper
70 100
42 52.8 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: BF142923.D
Acq: 30 Jun 2025 19:13

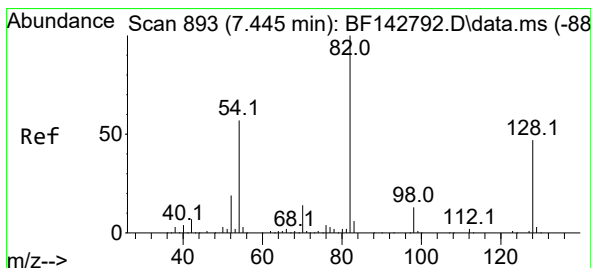
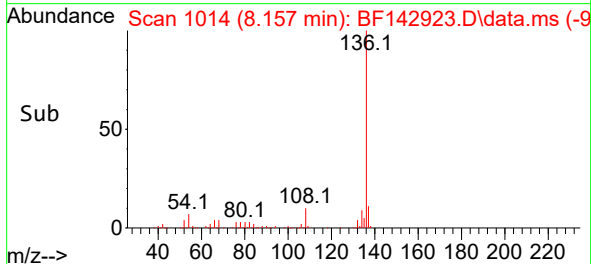
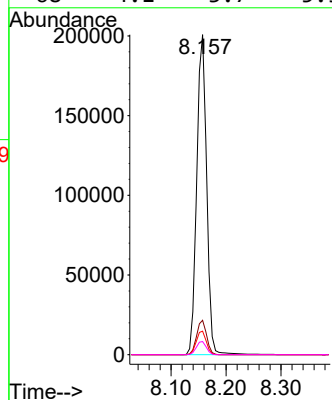
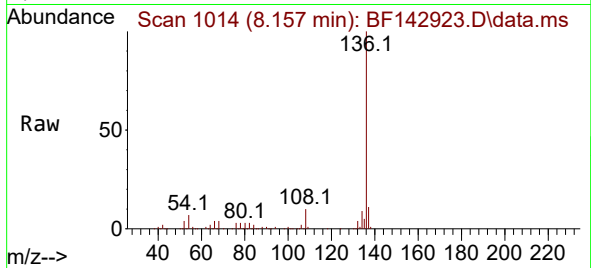
Instrument :

BNA_F

ClientSampleId :

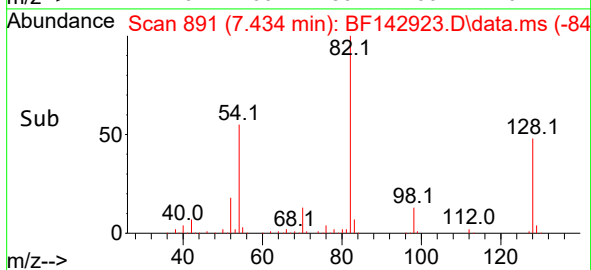
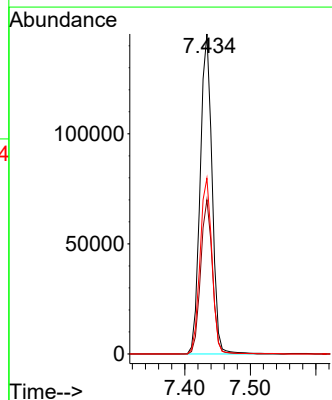
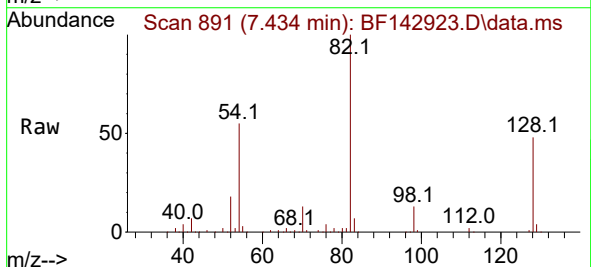
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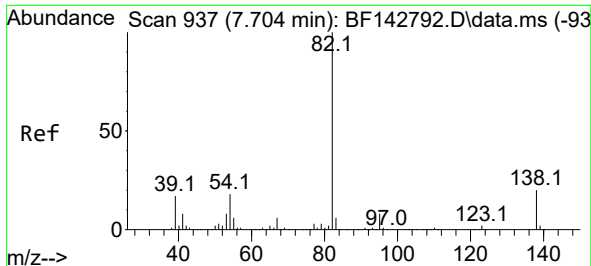
Tgt Ion:136 Resp: 251731
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.3 9.5
68 4.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 40.064 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion: 82 Resp: 183870
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 54.9 45.7 68.5

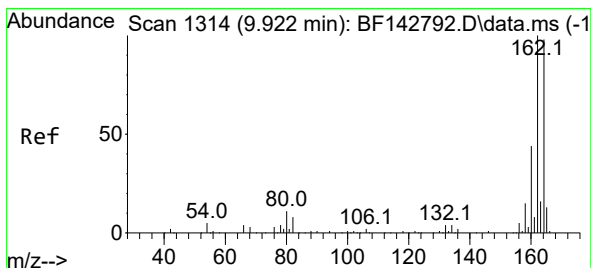
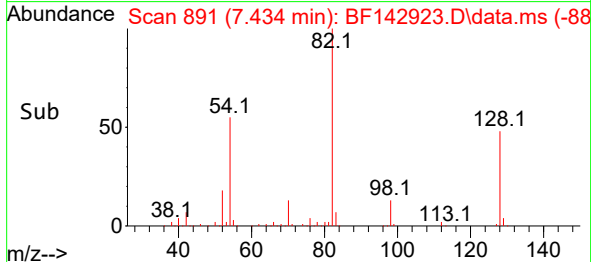
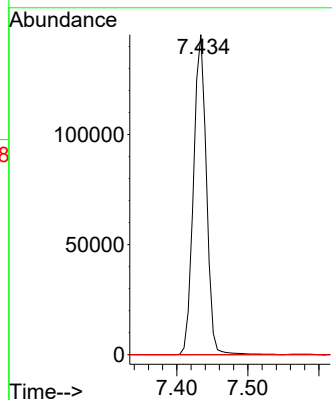
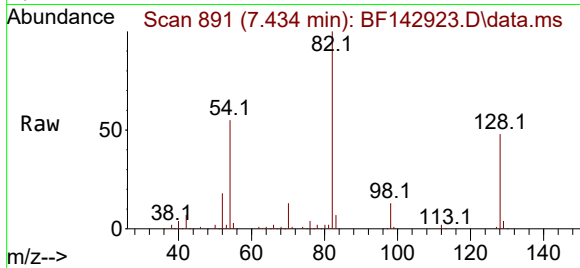




#25
Isophorone
Concen: 24.965 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

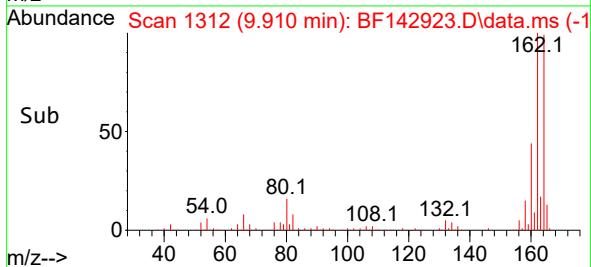
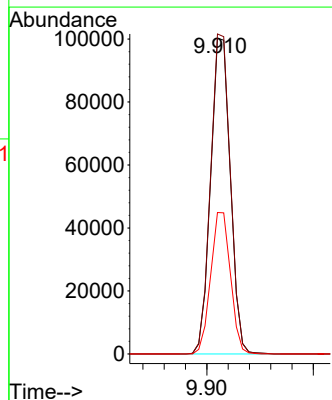
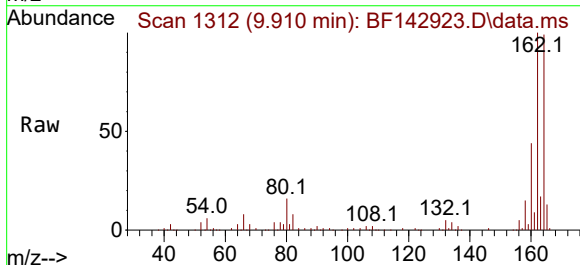
Instrument :
BNA_F
ClientSampleId :
TP-70

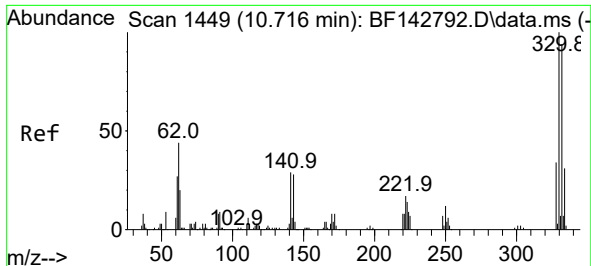
Tgt Ion: 82 Resp: 183797
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

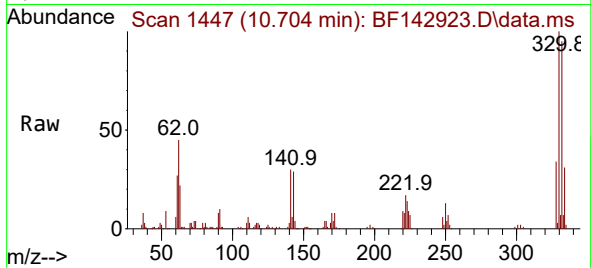
Tgt Ion:164 Resp: 128727
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.8
160 44.8 36.0 54.0



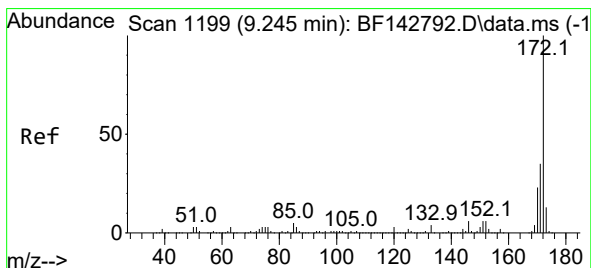
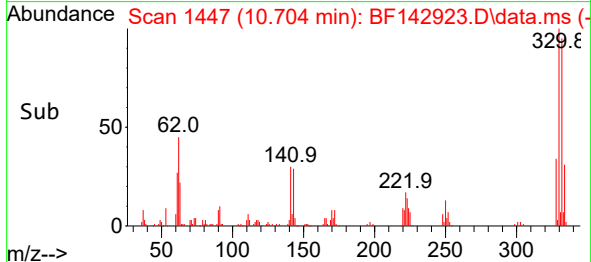
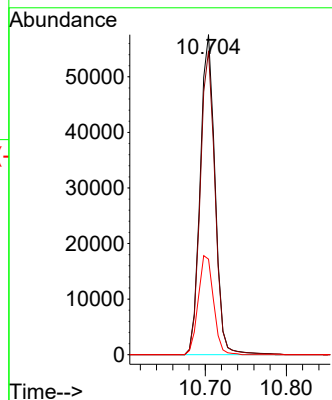


#42
2,4,6-Tribromophenol
Concen: 55.198 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Instrument :
BNA_F
ClientSampleId :
TP-70

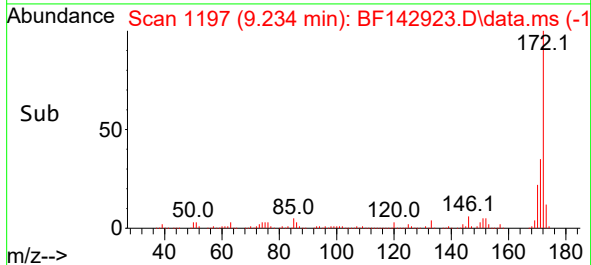
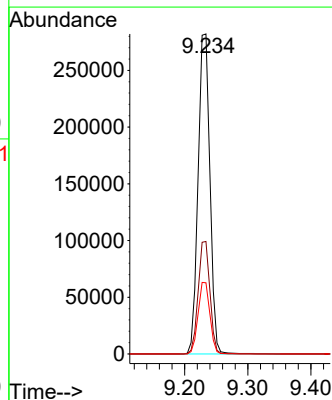
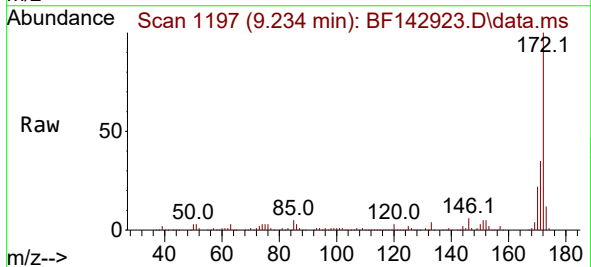


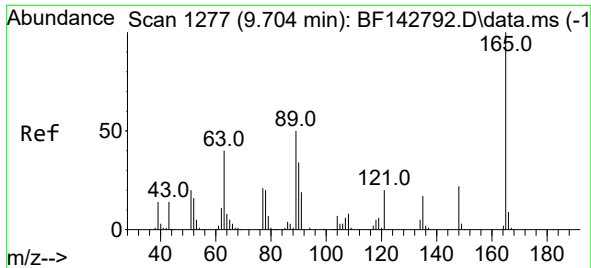
Tgt Ion: 330 Resp: 73120
Ion Ratio Lower Upper
330 100
332 95.1 75.0 112.6
141 31.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 37.451 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion: 172 Resp: 366981
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.3 18.5 27.7

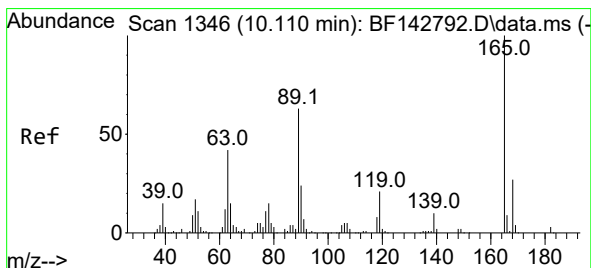
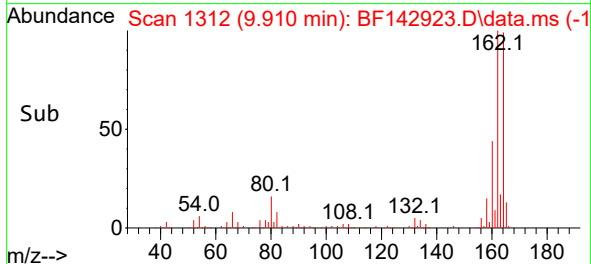
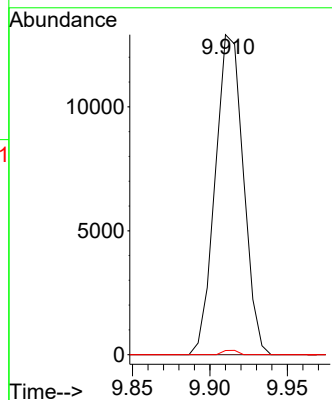
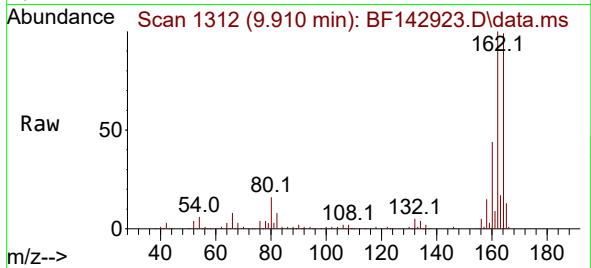




#51
2,6-Dinitrotoluene
Concen: 8.916 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

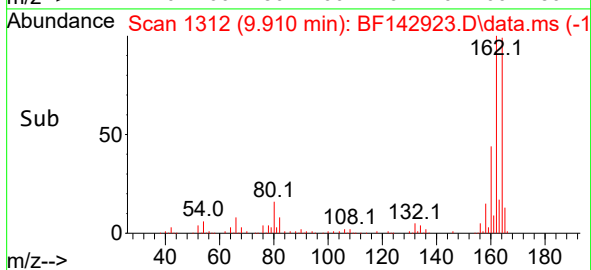
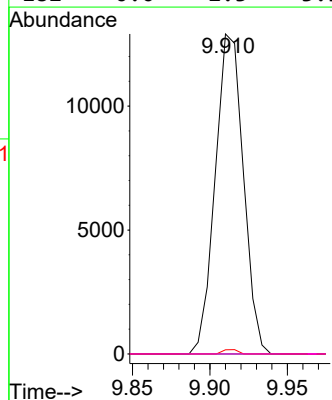
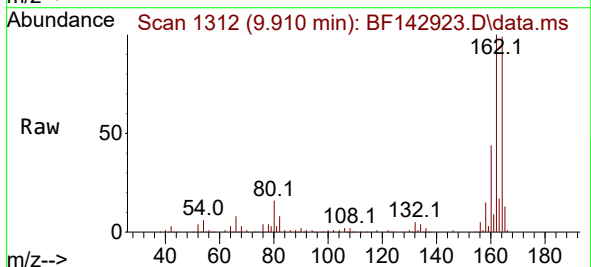
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BNA_F
ClientSampleId :
TP-70

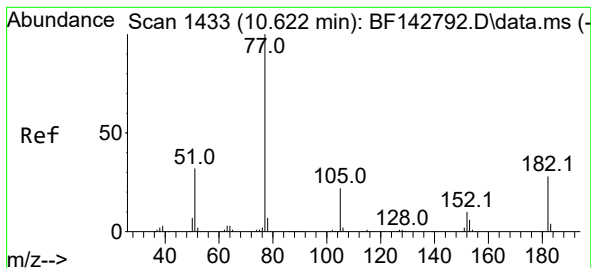
Tgt Ion:165 Resp: 16315
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.3 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.712 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion:165 Resp: 16315
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.3 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.280 ng

RT: 10.622 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

Tgt Ion: 77 Resp: 16645

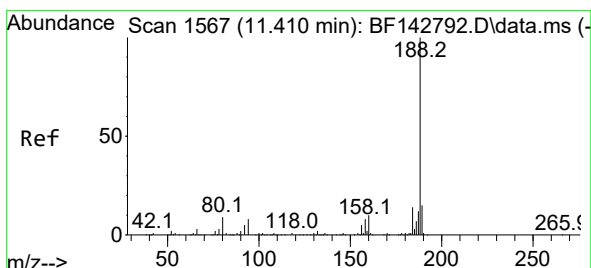
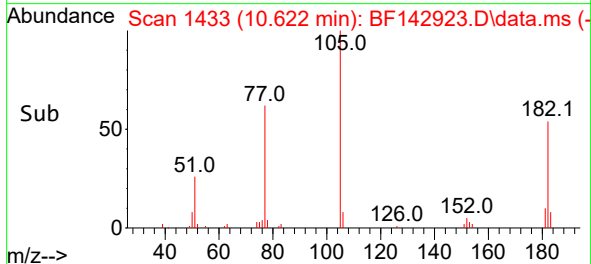
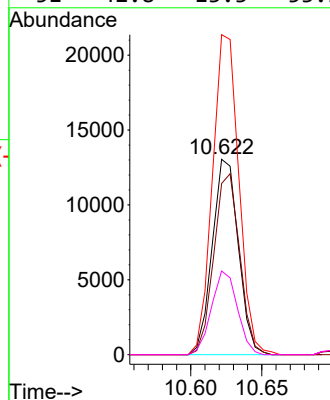
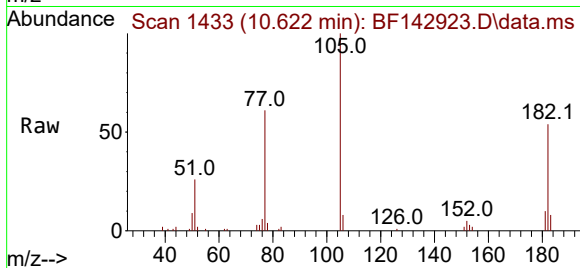
Ion Ratio Lower Upper

77 100

182 87.6 7.7 47.7#

105 163.8 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: BF142923.D

Acq: 30 Jun 2025 19:13

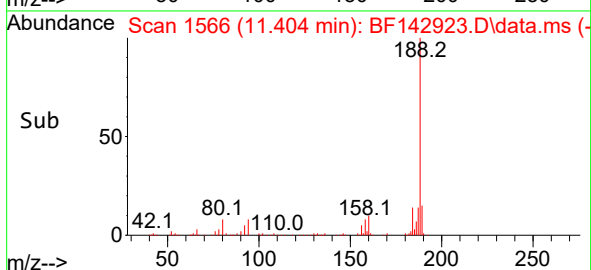
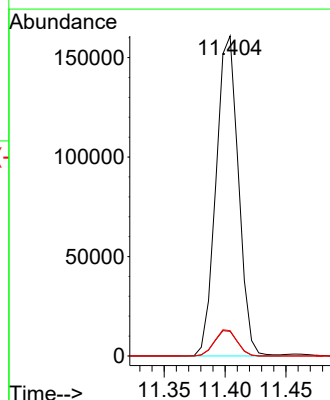
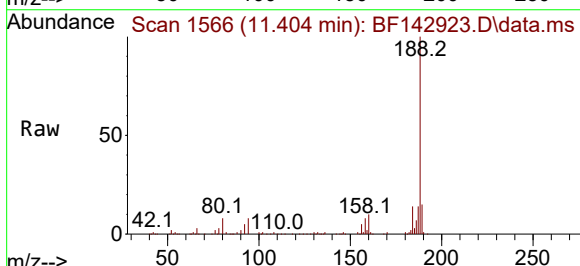
Tgt Ion: 188 Resp: 205881

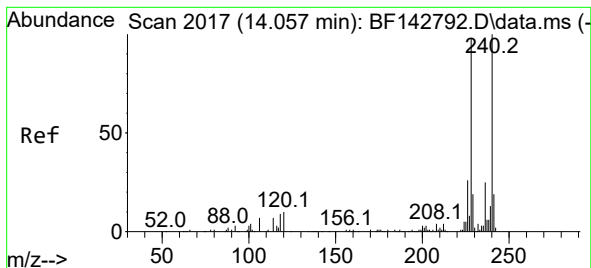
Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 7.9 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

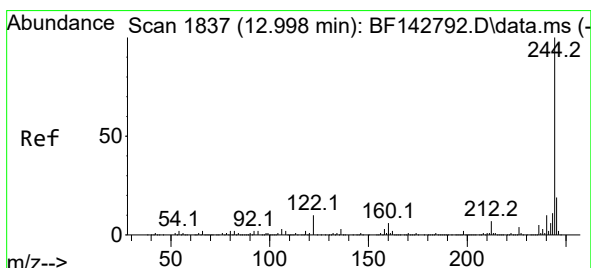
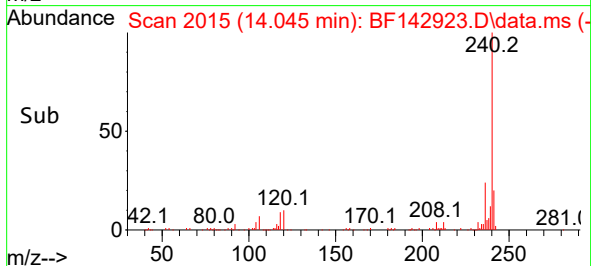
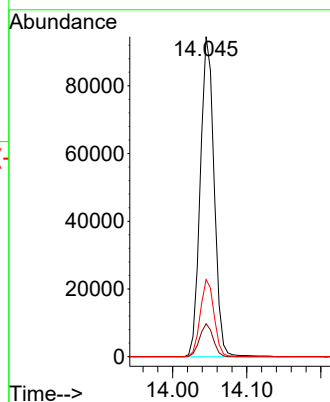
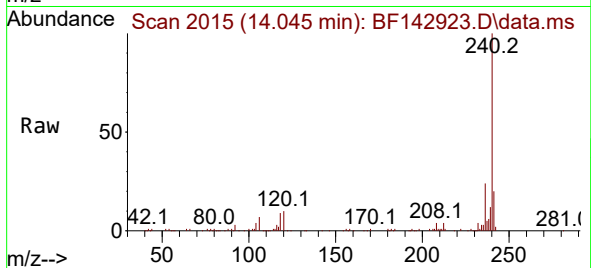
Tgt Ion:240 Resp: 122352

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.1 19.8 29.8



#79

Terphenyl-d14

Concen: 32.235 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

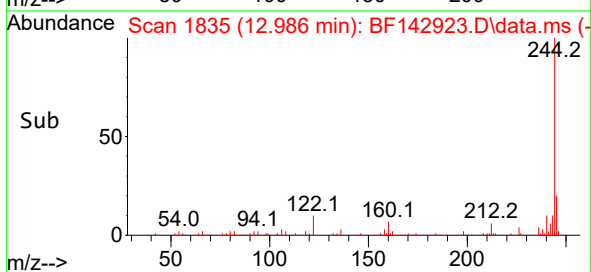
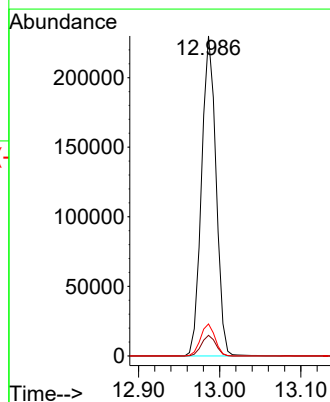
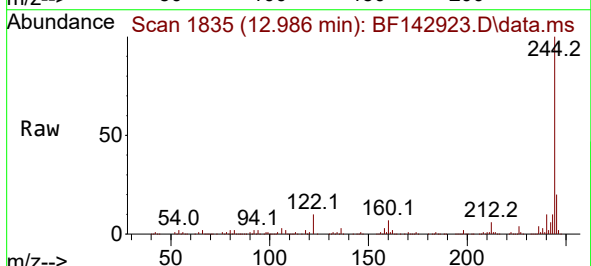
Tgt Ion:244 Resp: 285448

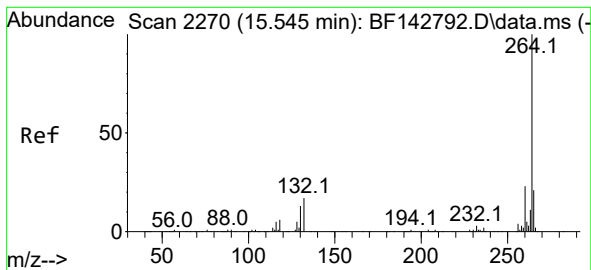
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 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: BF142923.D
 Acq: 30 Jun 2025 19:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-70

Tgt Ion:264 Resp: 139575
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 21.6 16.6 25.0

