

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142893.D
 Acq On : 27 Jun 2025 15:15
 Operator : RC/JU
 Sample : Q2413-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-72

Quant Time: Jun 27 15:52:27 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)

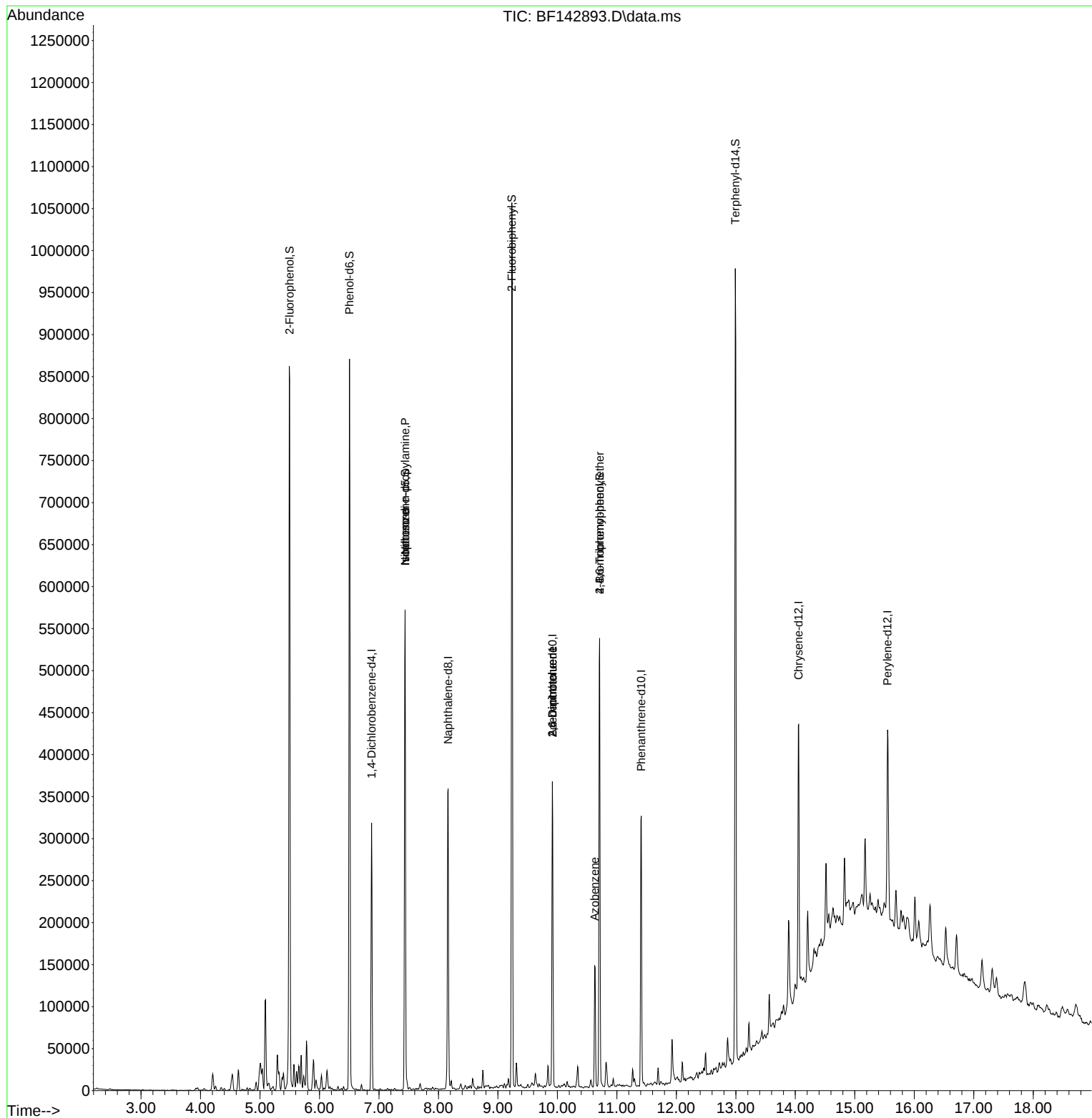
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	68428	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	240509	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	109896	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	174745	20.000	ng	0.00
76) Chrysene-d12	14.057	240	163929	20.000	ng	0.00
86) Perylene-d12	15.551	264	110583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	340095	82.749	ng	0.00
7) Phenol-d6	6.504	99	395877	81.641	ng	0.00
23) Nitrobenzene-d5	7.440	82	239759	54.680	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91946	81.303	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	474559	56.728	ng	-0.01
79) Terphenyl-d14	12.992	244	462885	39.015	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	32222	11.426	ng	# 76
25) Isophorone	7.440	82	237639	33.785	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14170	9.070	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14170	6.829	ng	# 26
63) Azobenzene	10.628	77	34206	5.487	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5888	2.961	ng	# 1

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

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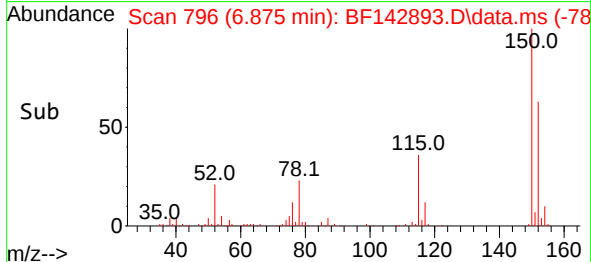
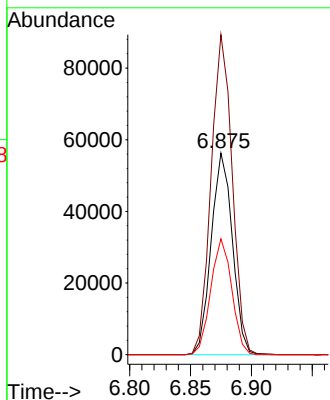
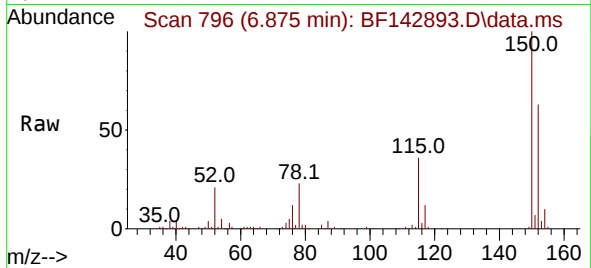




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142893.D
 Acq: 27 Jun 2025 15:15

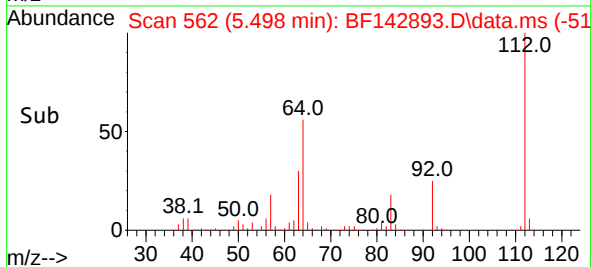
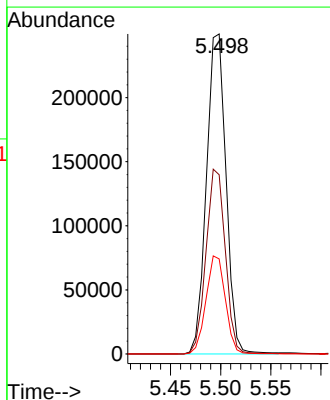
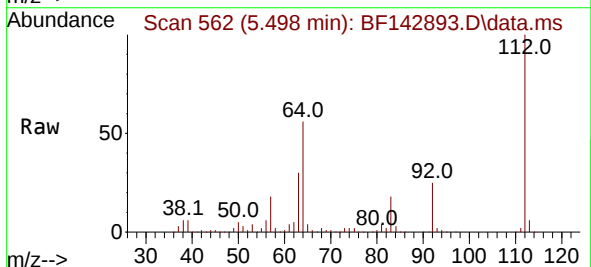
Instrument :
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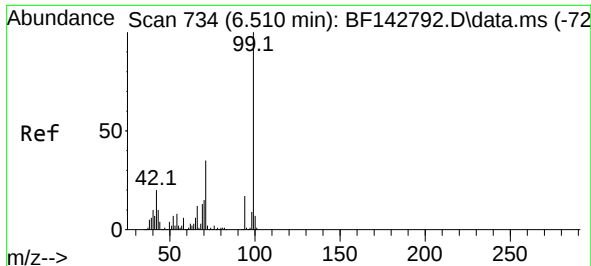
Tgt Ion:152 Resp: 68428
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.2 190.8
 115 57.4 46.6 69.8



#5
 2-Fluorophenol
 Concen: 82.749 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142893.D
 Acq: 27 Jun 2025 15:15

Tgt Ion:112 Resp: 340095
 Ion Ratio Lower Upper
 112 100
 64 56.0 48.2 72.2
 63 29.7 25.7 38.5

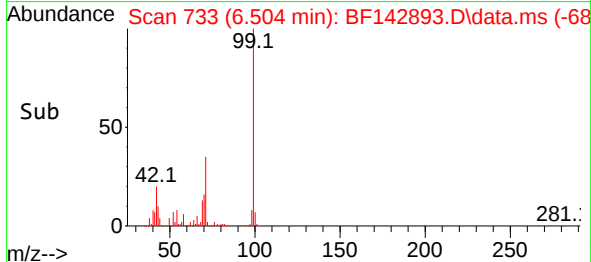
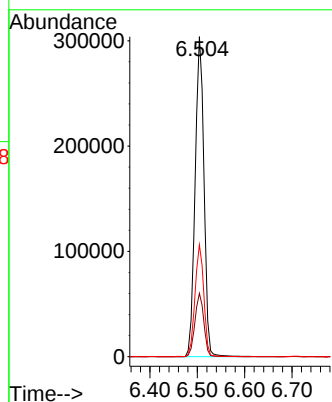
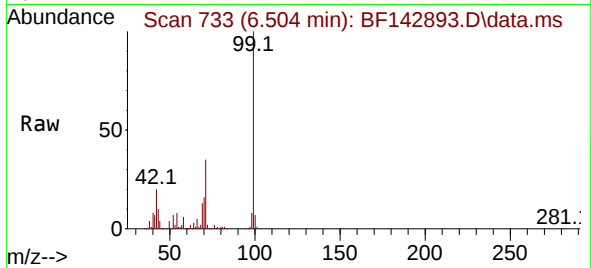




#7
Phenol-d6
Concen: 81.641 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

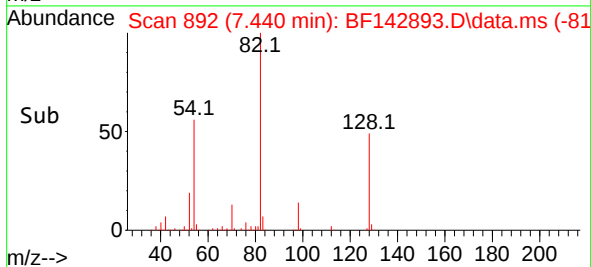
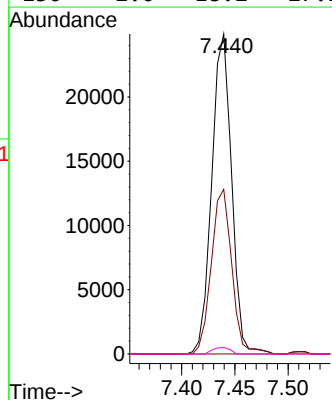
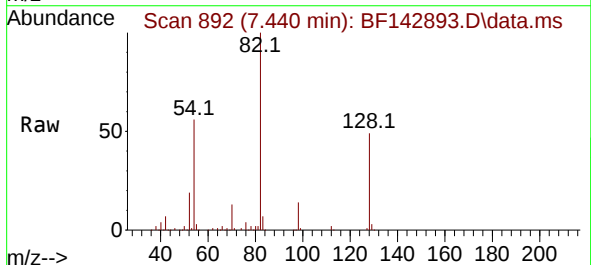
Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion: 99 Resp: 395877
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.426 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion: 70 Resp: 32222
Ion Ratio Lower Upper
70 100
42 51.5 52.1 78.1#
101 0.0 8.2 12.2#
130 2.0 18.2 27.2#



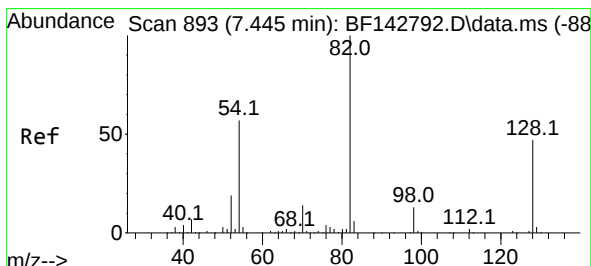
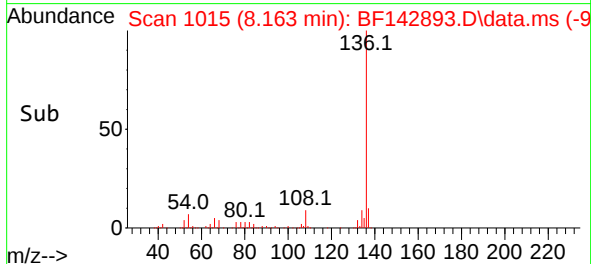
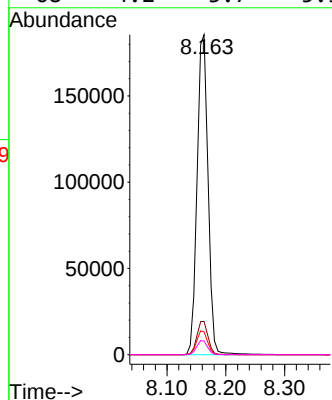
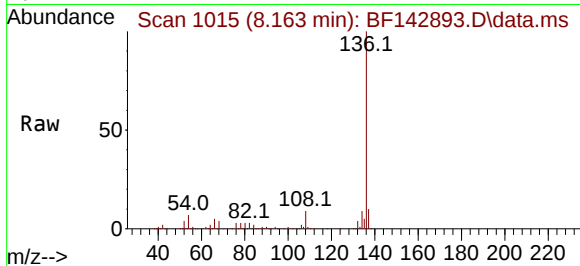


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:136 Resp: 240509

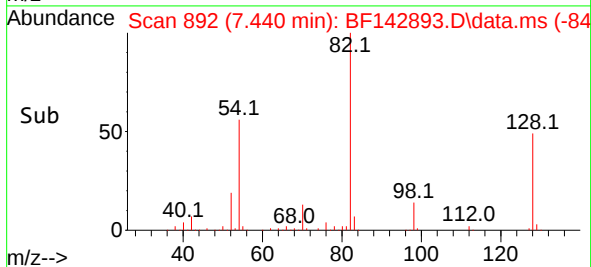
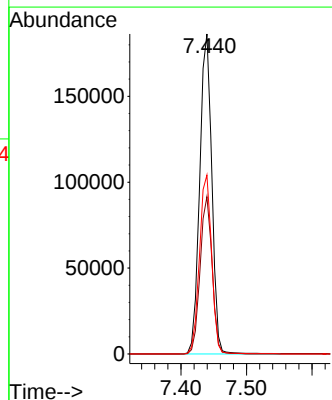
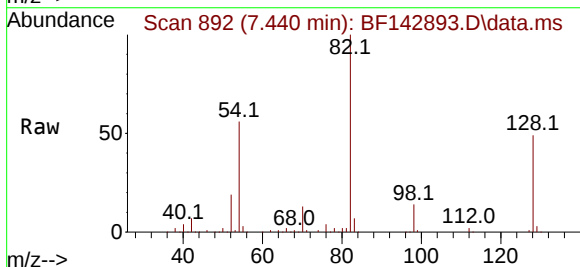
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 54.680 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion: 82 Resp: 239759

Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.7	56.5
54	55.9	45.7	68.5

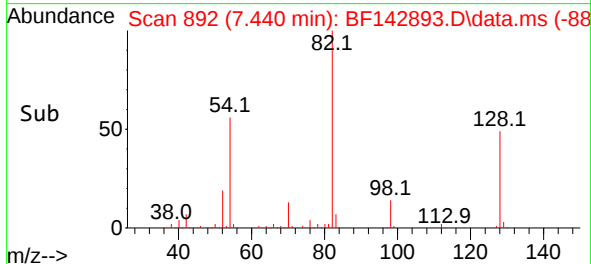
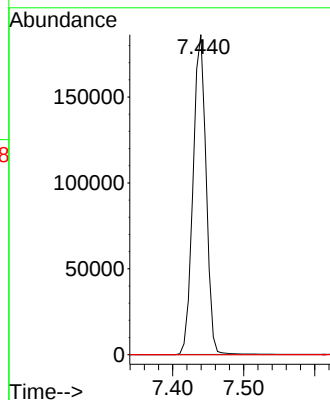
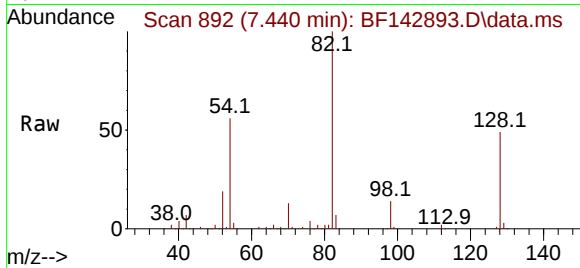




#25
Isophorone
Concen: 33.785 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

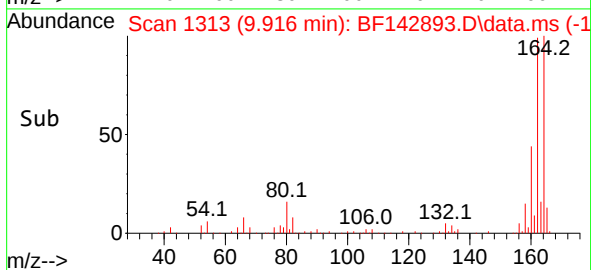
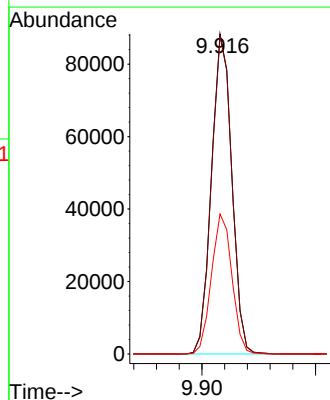
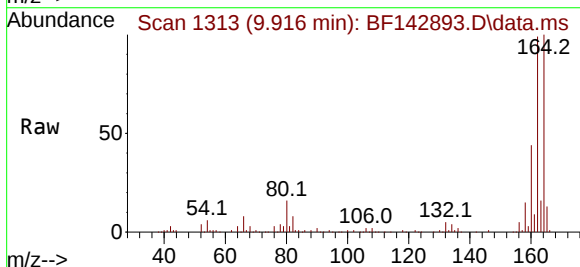
Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion: 82 Resp: 237639
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: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:164 Resp: 109896
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 43.8 36.0 54.0

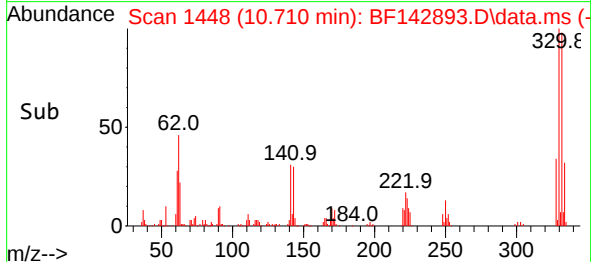
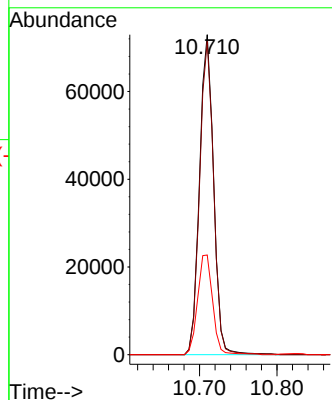
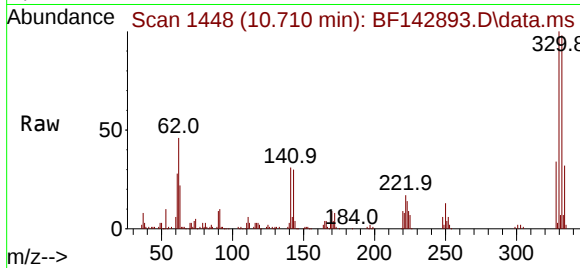




#42
2,4,6-Tribromophenol
Concen: 81.303 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

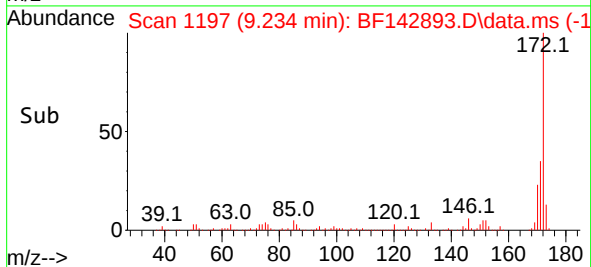
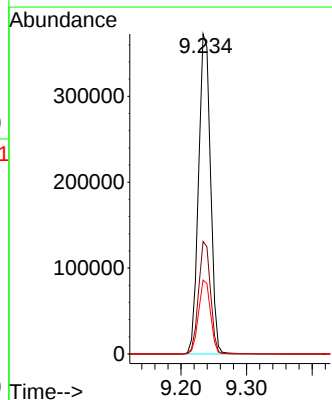
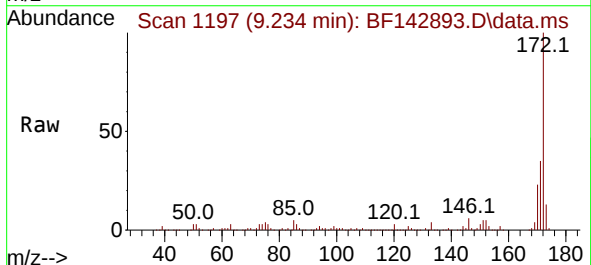
Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:330 Resp: 91946
Ion Ratio Lower Upper
330 100
332 97.4 75.0 112.6
141 33.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 56.728 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:172 Resp: 474559
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.1 18.5 27.7

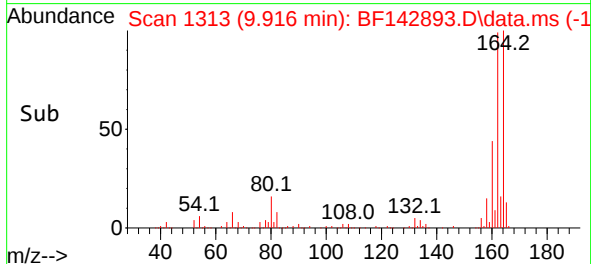
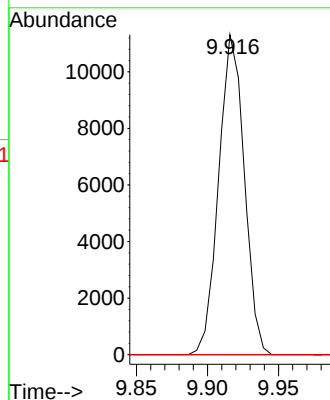
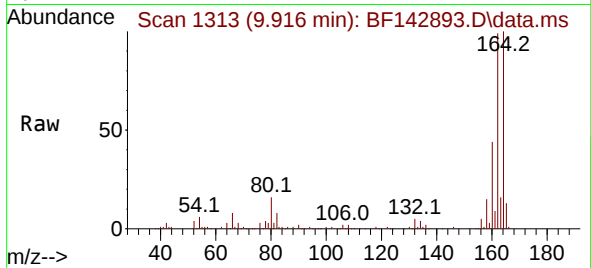




#51
2,6-Dinitrotoluene
Concen: 9.070 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

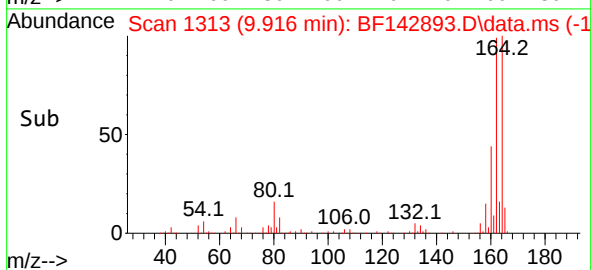
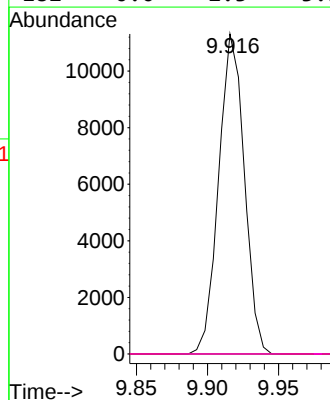
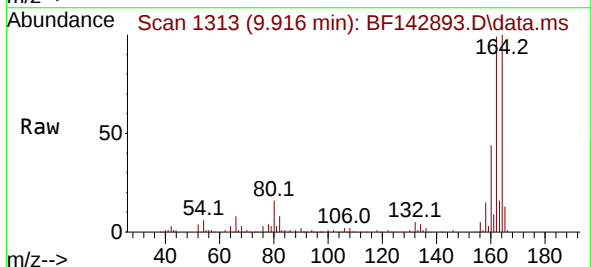
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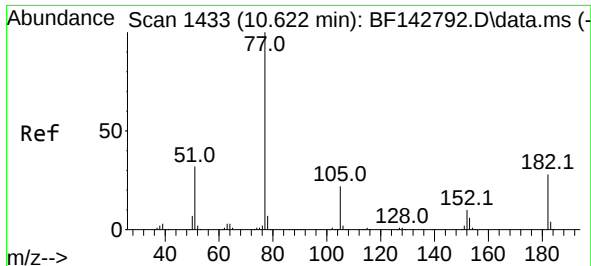
Tgt Ion:165 Resp: 14170
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.829 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:165 Resp: 14170
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#

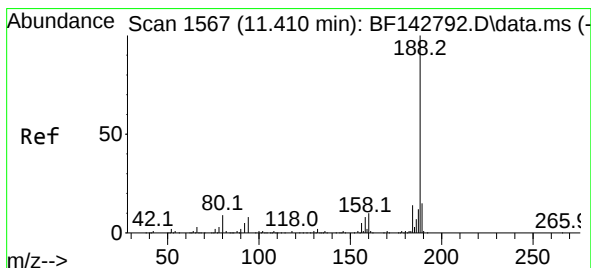
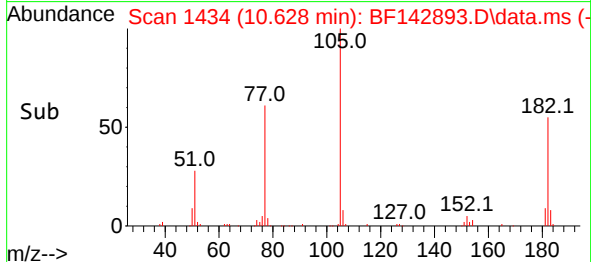
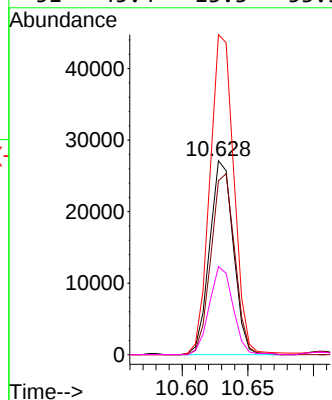
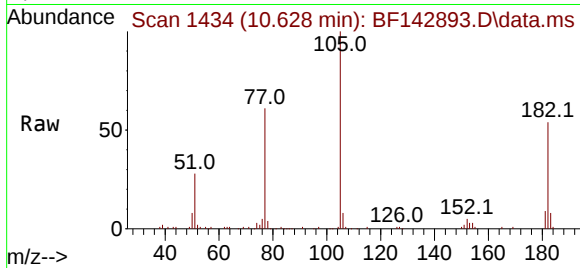




#63
Azobenzene
Concen: 5.487 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

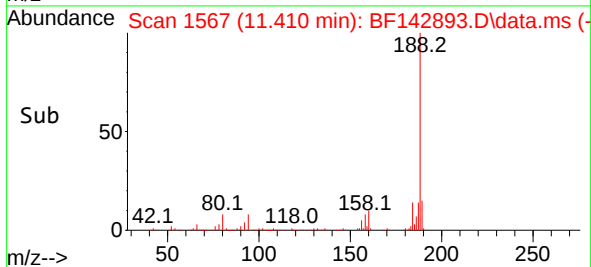
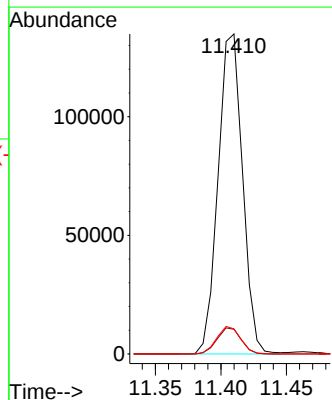
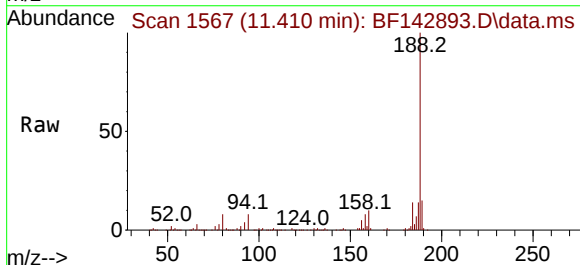
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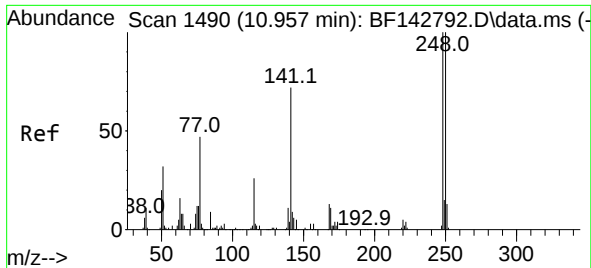
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Ion Ratio	Lower Upper
77 100	
182 89.6	7.7 47.7#
105 165.0	1.9 41.9#
51 45.4	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion: 188	Resp: 174745
Ion Ratio	Lower Upper
188 100	
94 7.7	6.7 10.1
80 7.9	6.9 10.3

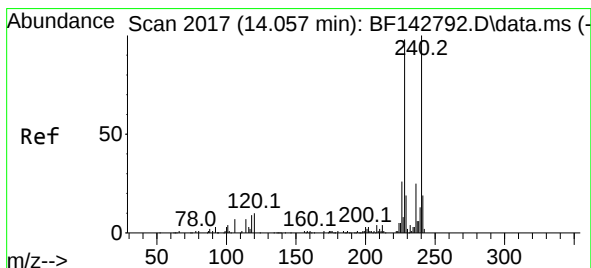
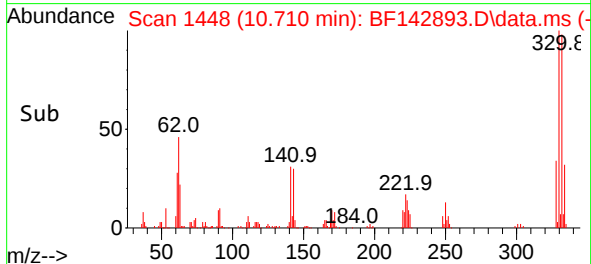
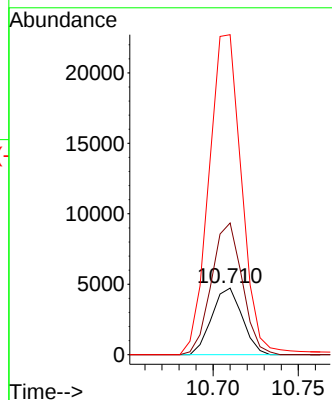
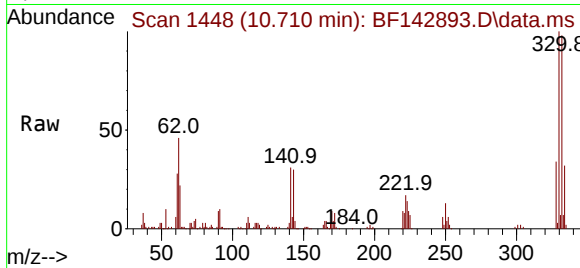




#67
4-Bromophenyl-phenylether
Concen: 2.961 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

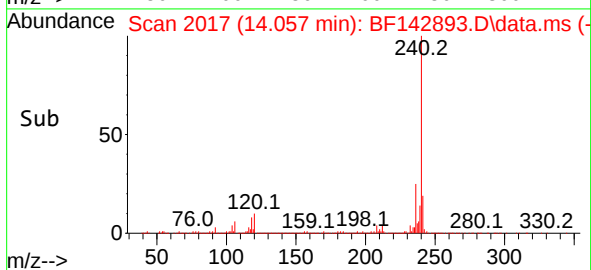
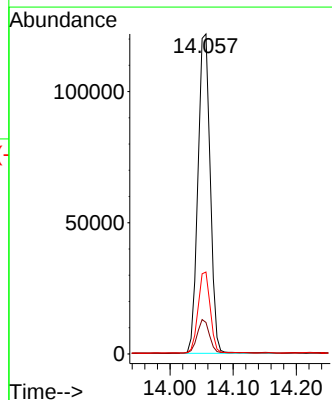
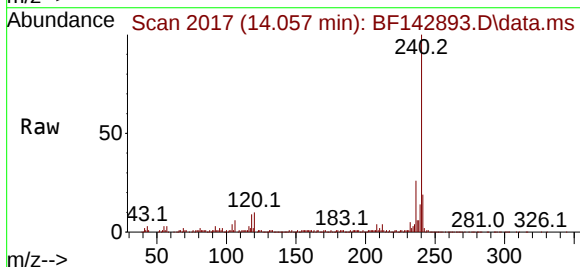
Instrument :
BNA_F
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TP-72

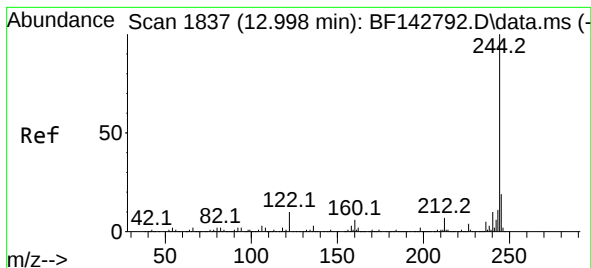
Tgt Ion:248 Resp: 5888
Ion Ratio Lower Upper
248 100
250 197.8 79.8 119.8#
141 480.8 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:240 Resp: 163929
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 25.6 19.8 29.8





#79

Terphenyl-d14

Concen: 39.015 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142893.D

Acq: 27 Jun 2025 15:15

Instrument :

BNA_F

ClientSampleId :

TP-72

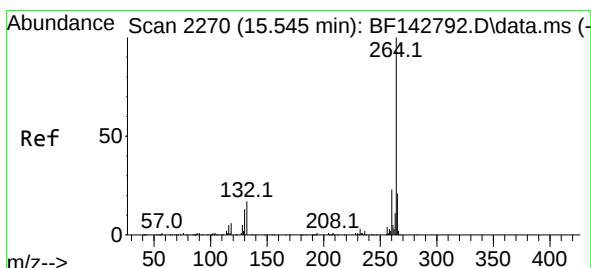
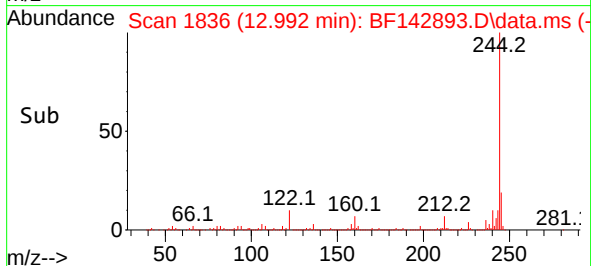
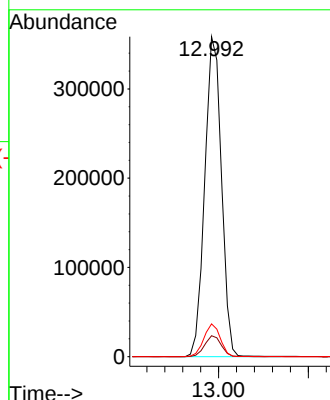
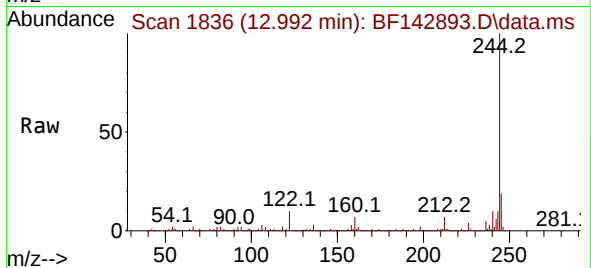
Tgt Ion:244 Resp: 462885

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF142893.D

Acq: 27 Jun 2025 15:15

Tgt Ion:264 Resp: 110583

Ion Ratio Lower Upper

264 100

260 23.4 18.1 27.1

265 21.8 16.6 25.0

