

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143037.D
 Acq On : 08 Jul 2025 17:07
 Operator : RC/JU
 Sample : Q2514-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-92

Quant Time: Jul 08 17:26:50 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)

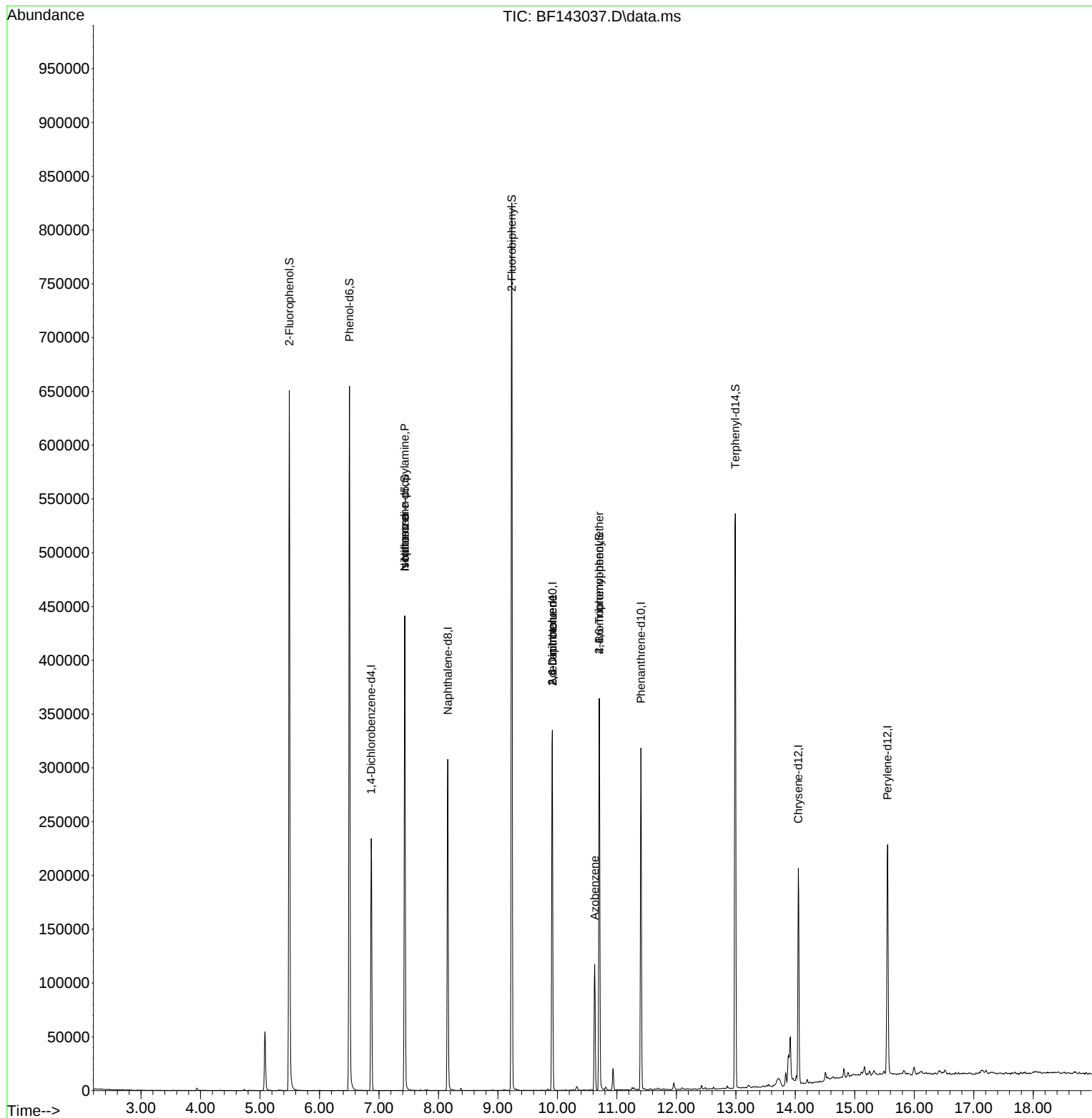
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	52203	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	200559	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	103832	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	167385	20.000	ng	0.00
76) Chrysene-d12	14.051	240	99277	20.000	ng	0.00
86) Perylene-d12	15.551	264	124285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	255480	81.481	ng	0.00
7) Phenol-d6	6.504	99	302790	81.852	ng	0.00
23) Nitrobenzene-d5	7.434	82	185694	50.785	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	63136	59.088	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	381716	48.294	ng	-0.01
79) Terphenyl-d14	12.992	244	268963	37.433	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	24729	11.494	ng	# 75
25) Isophorone	7.434	82	185692	31.658	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	13454	9.115	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	13454	6.862	ng	# 26
63) Azobenzene	10.627	77	26740	4.540	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4192	2.201	ng	# 1

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

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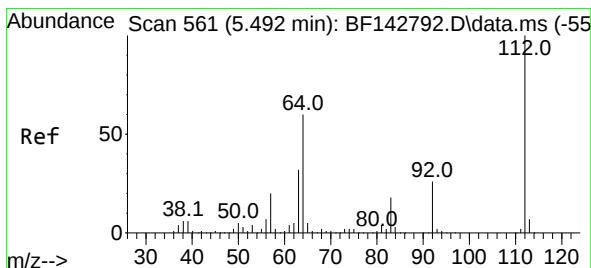
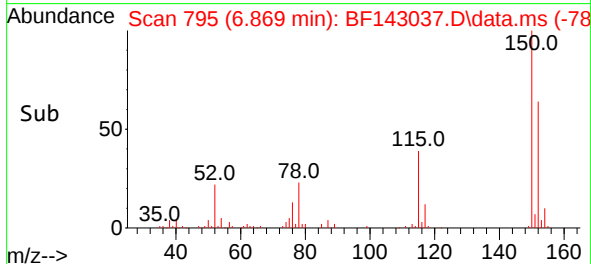
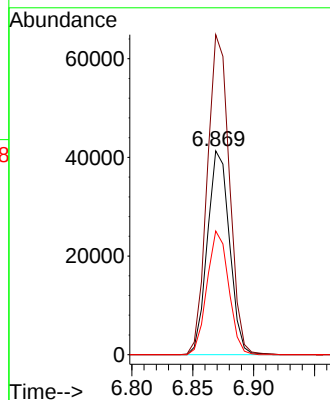
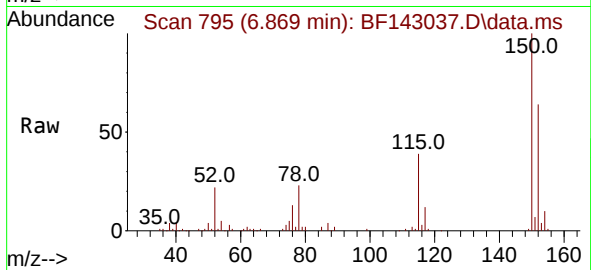




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

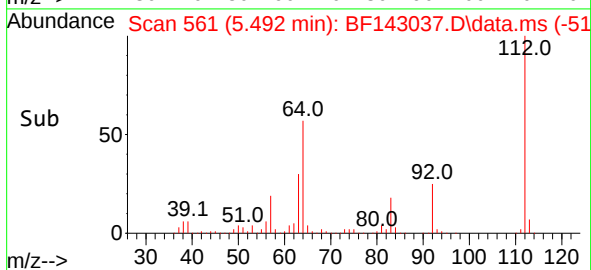
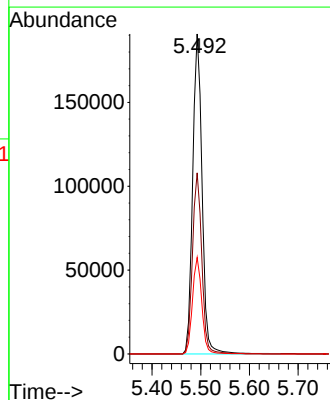
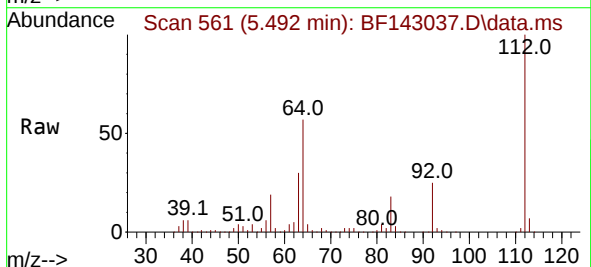
Instrument :
BNA_F
ClientSampleId :
TP-92

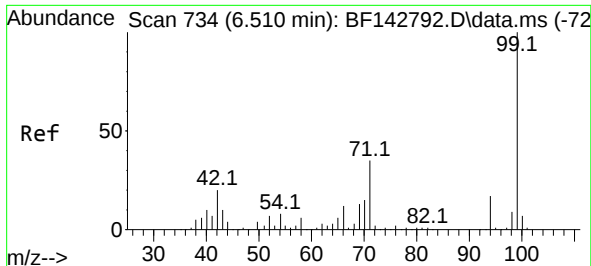
Tgt Ion:152 Resp: 52203
Ion Ratio Lower Upper
152 100
150 156.9 127.2 190.8
115 60.7 46.6 69.8



#5
2-Fluorophenol
Concen: 81.481 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion:112 Resp: 255480
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 30.2 25.7 38.5

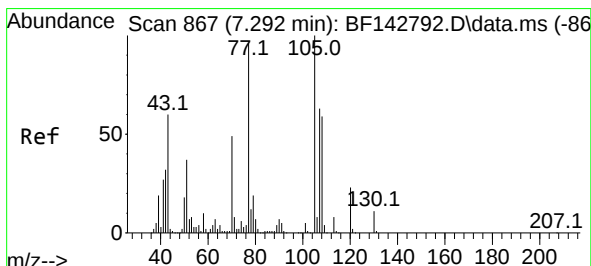
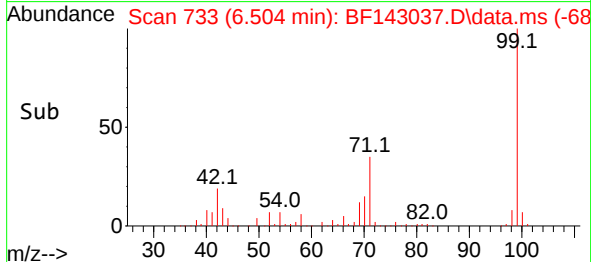
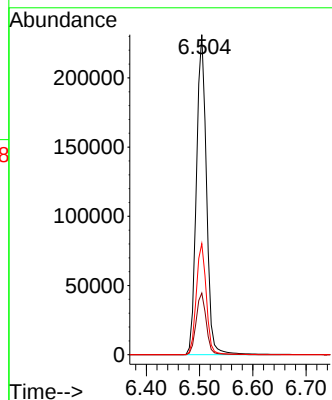
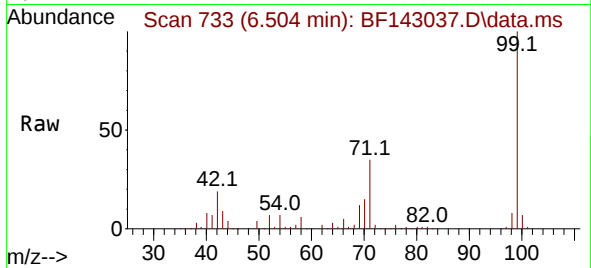




#7
Phenol-d6
Concen: 81.852 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

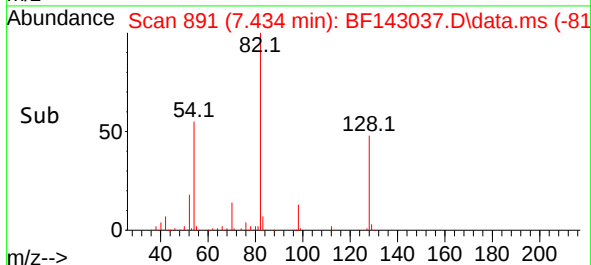
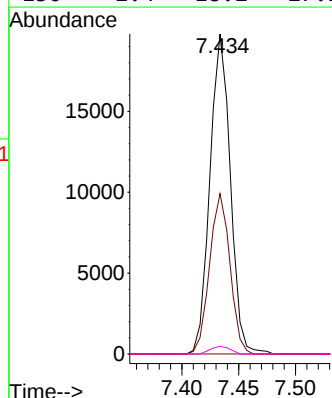
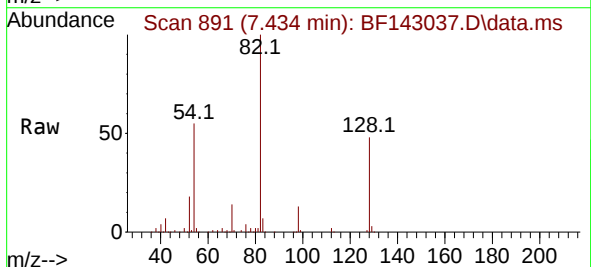
Instrument :
BNA_F
ClientSampleId :
TP-92

Tgt Ion: 99 Resp: 302790
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.494 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion: 70 Resp: 24729
Ion Ratio Lower Upper
70 100
42 50.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



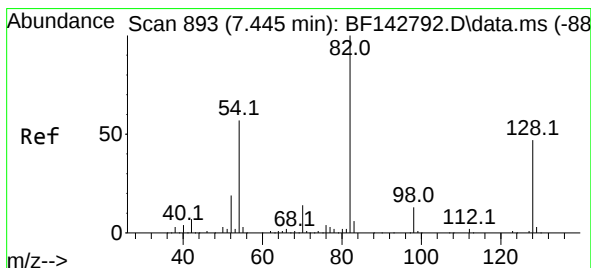
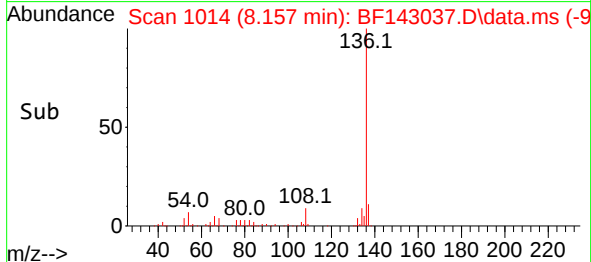
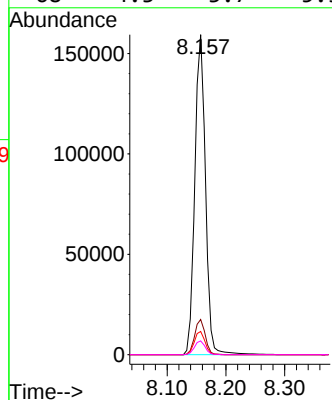
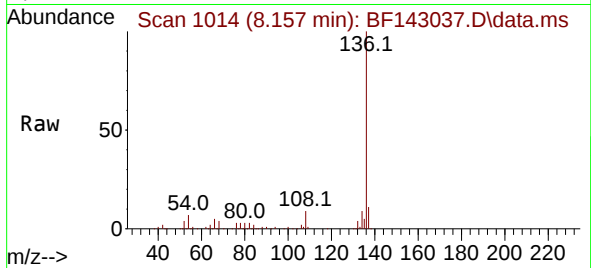


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Instrument :
BNA_F
ClientSampleId :
TP-92

Tgt Ion:136 Resp: 200559

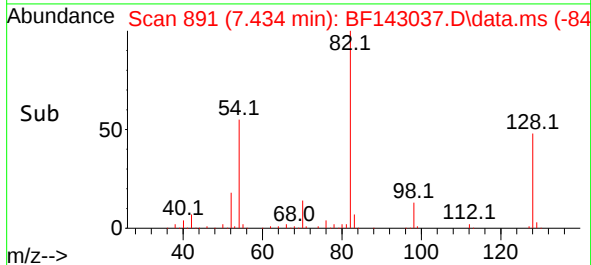
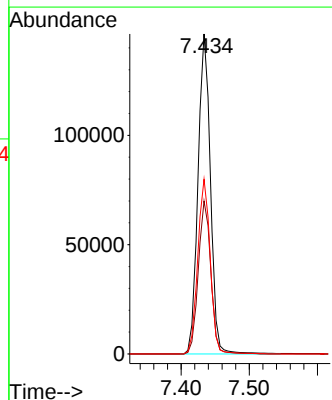
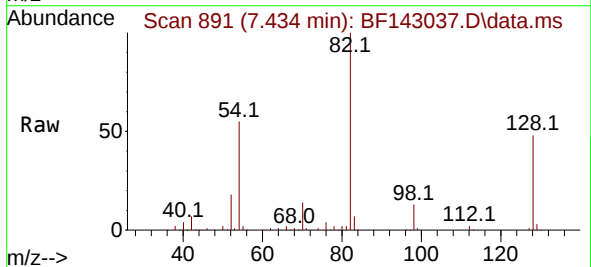
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.2	6.3	9.5
68	4.3	3.7	5.5



#23
Nitrobenzene-d5
Concen: 50.785 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion: 82 Resp: 185694

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	54.6	45.7	68.5

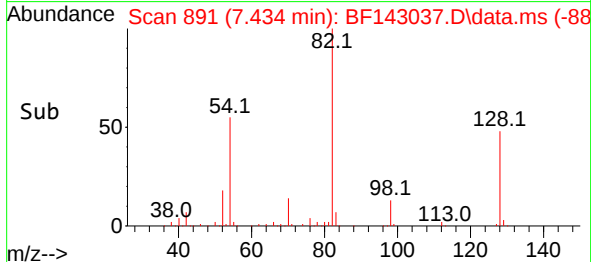
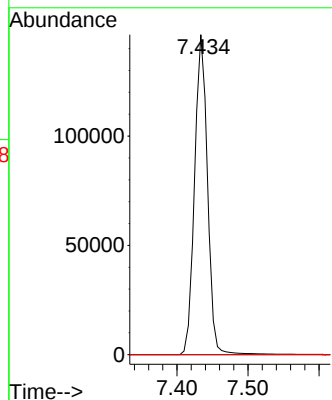
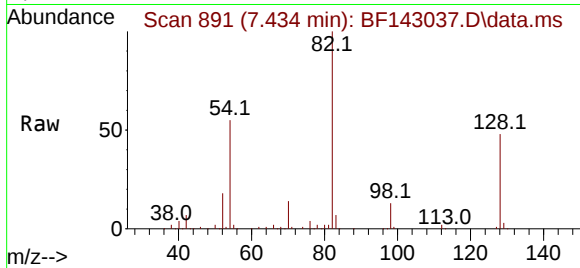




#25
Isophorone
Concen: 31.658 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

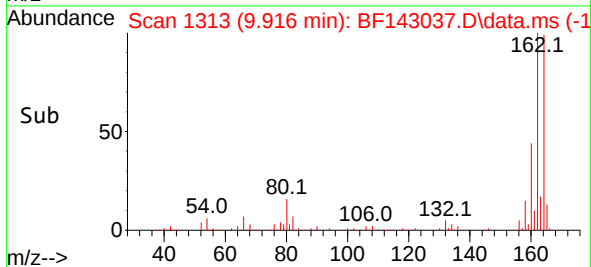
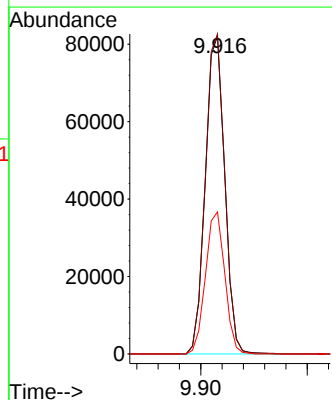
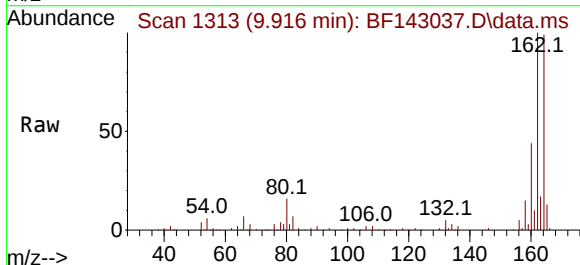
Instrument :
BNA_F
ClientSampleId :
TP-92

Tgt Ion: 82 Resp: 185692
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: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion:164 Resp: 103832
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 59.088 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TP-92

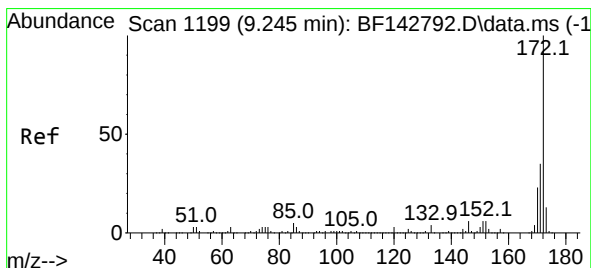
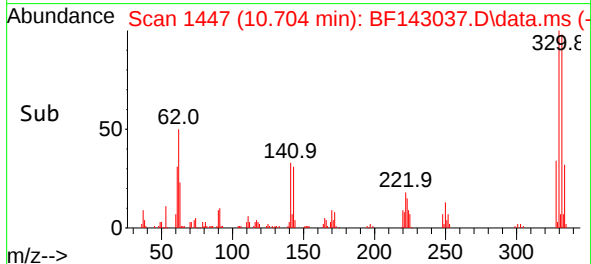
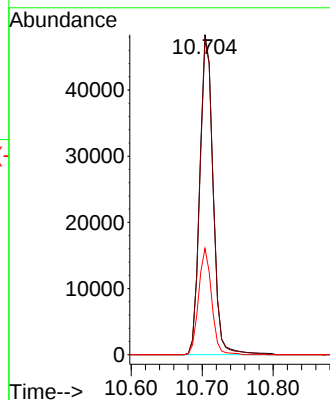
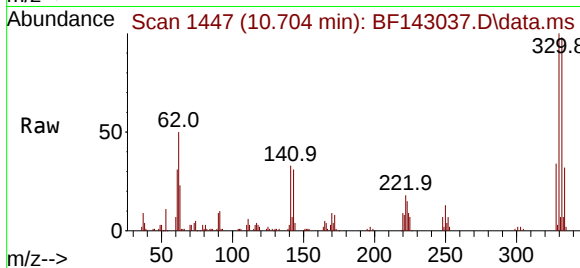
Tgt Ion:330 Resp: 63136

Ion Ratio Lower Upper

330 100

332 98.6 75.0 112.6

141 32.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 48.294 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

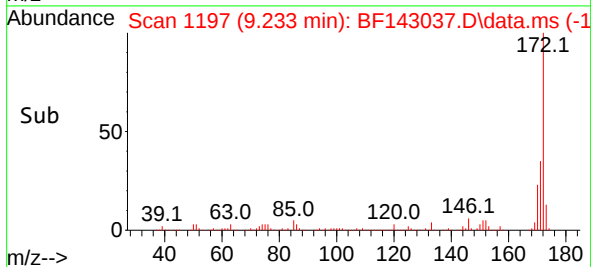
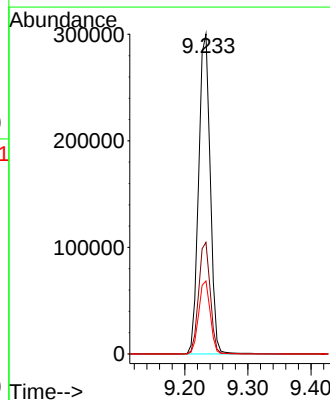
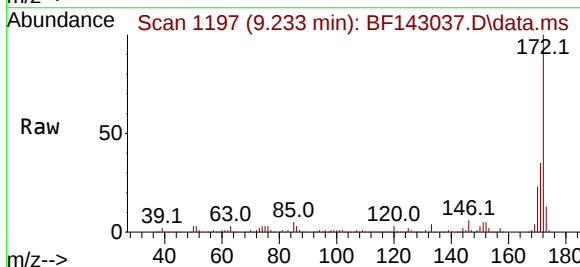
Tgt Ion:172 Resp: 381716

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.8 18.5 27.7

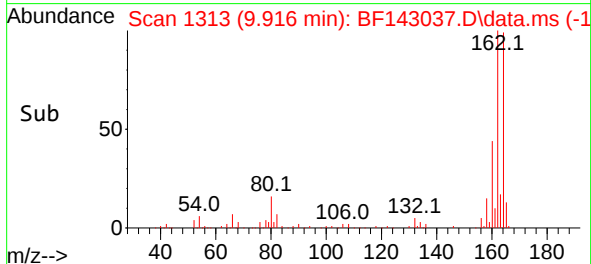
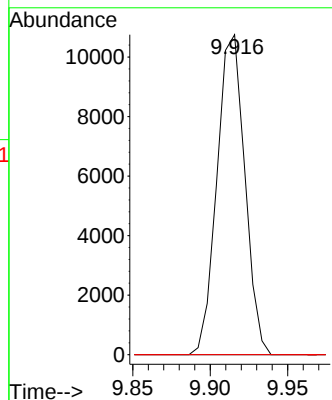
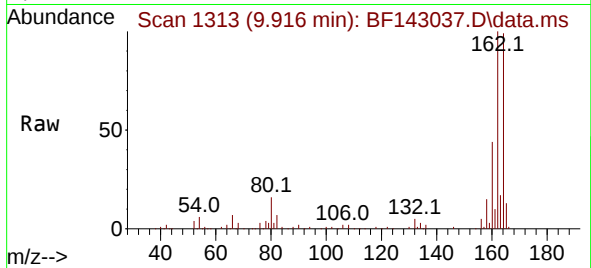




#51
2,6-Dinitrotoluene
Concen: 9.115 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

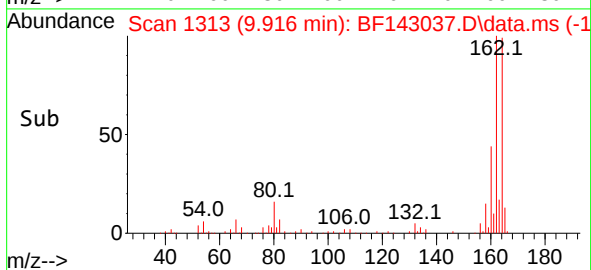
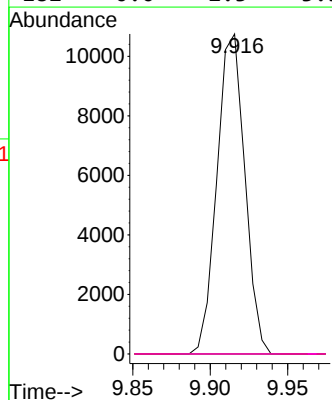
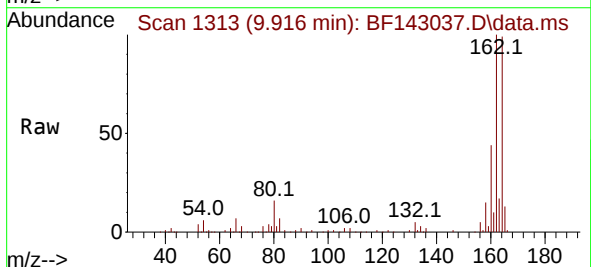
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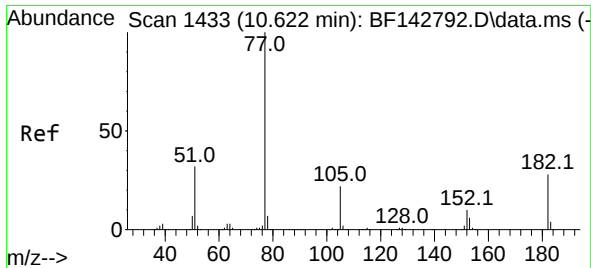
Tgt Ion:165 Resp: 13454
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.862 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion:165 Resp: 13454
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#

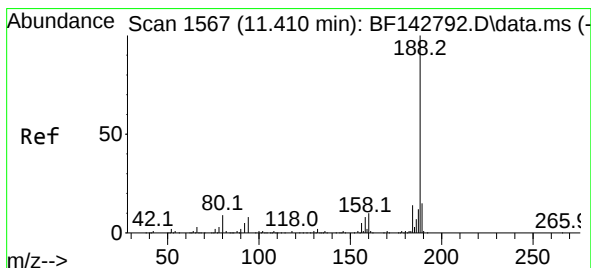
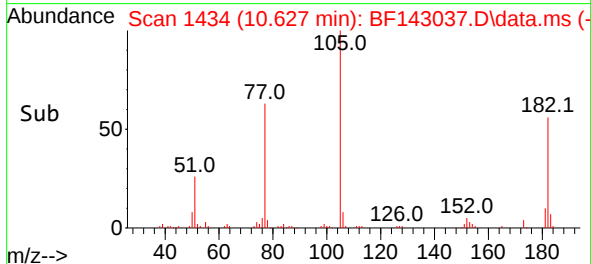
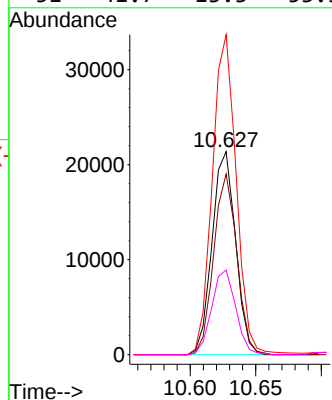
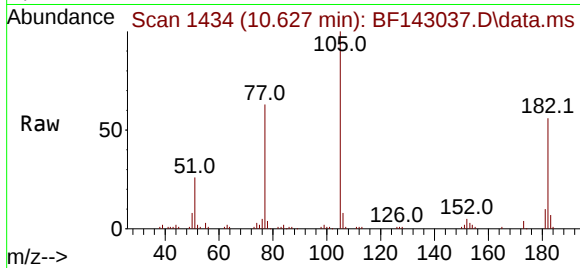




#63
Azobenzene
Concen: 4.540 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

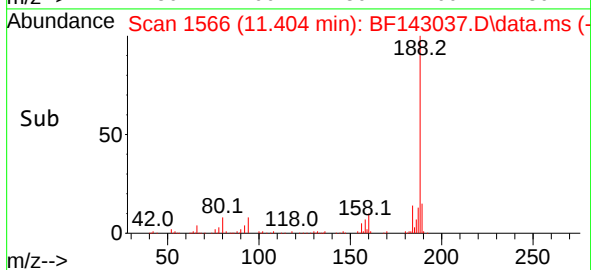
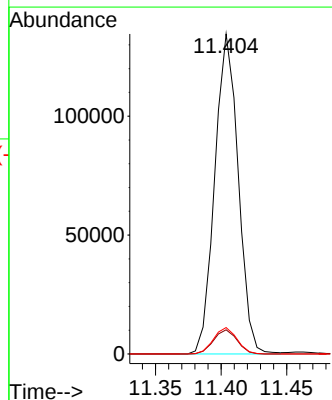
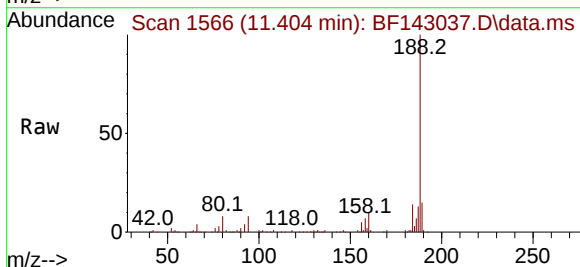
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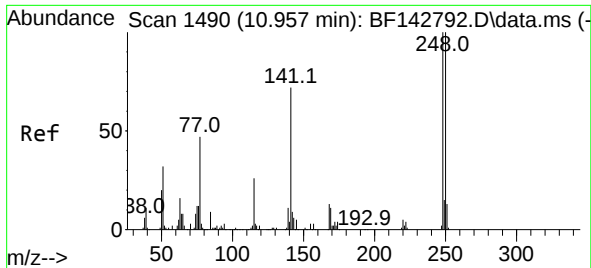
Tgt Ion: 77 Resp: 26740
Ion Ratio Lower Upper
77 100
182 89.0 7.7 47.7#
105 157.7 1.9 41.9#
51 41.7 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion: 188 Resp: 167385
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.2 6.9 10.3

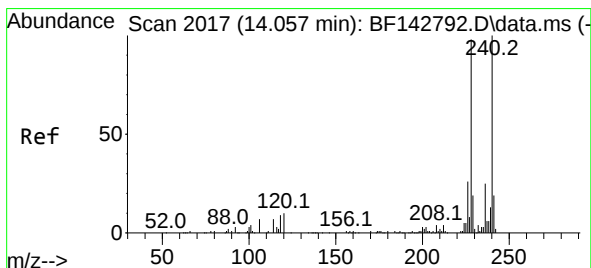
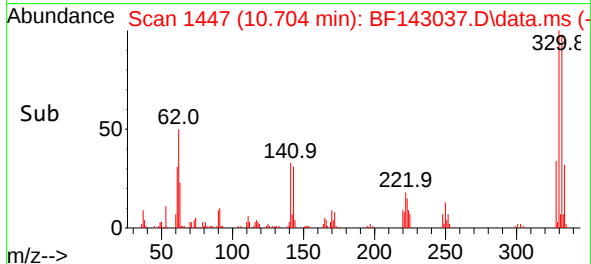
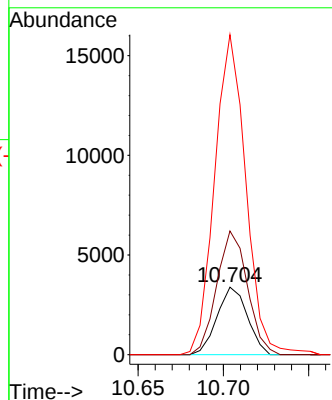
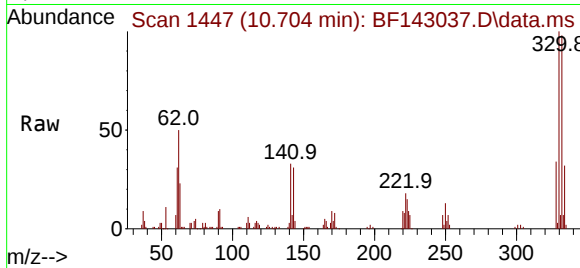




#67
4-Bromophenyl-phenylether
Concen: 2.201 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

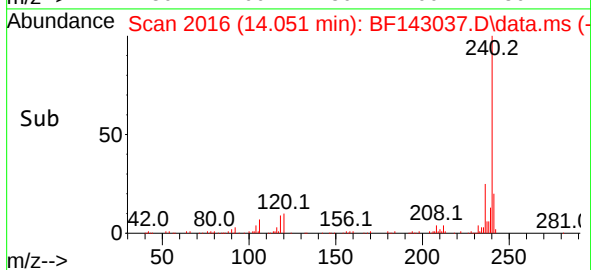
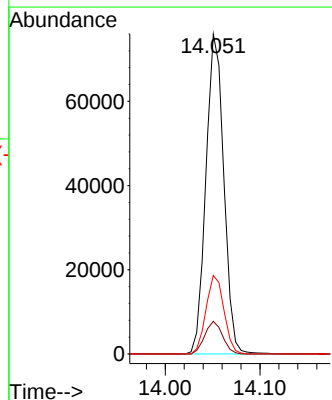
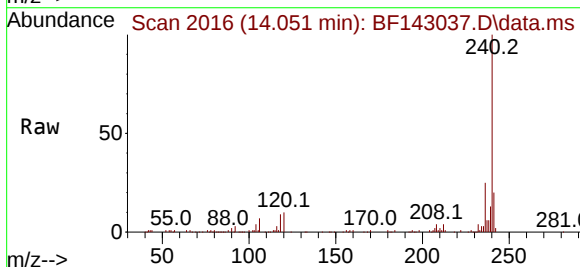
Instrument :
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ClientSampleId :
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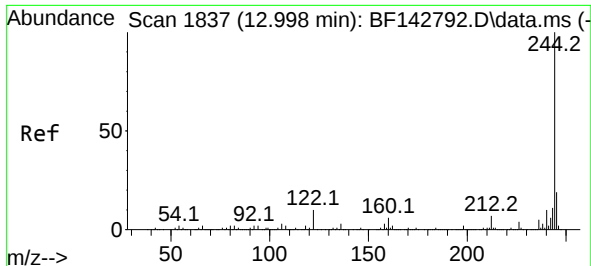
Tgt Ion:248 Resp: 4192
Ion Ratio Lower Upper
248 100
250 183.2 79.8 119.8#
141 474.2 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

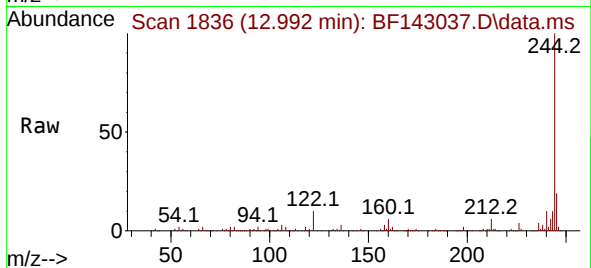
Tgt Ion:240 Resp: 99277
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.6 19.8 29.8



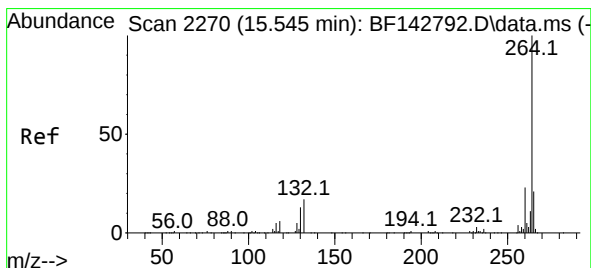
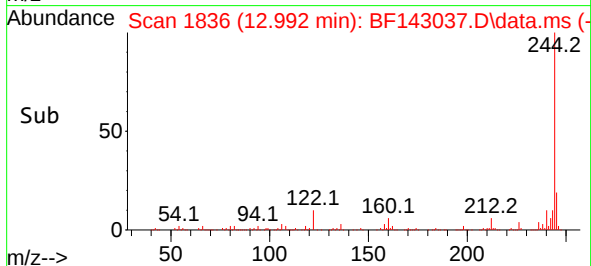
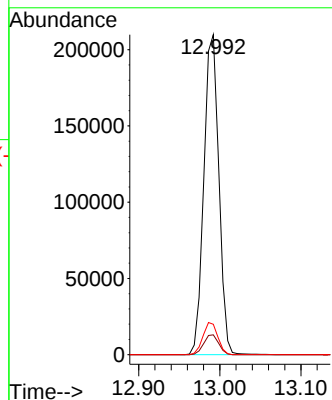


#79
 Terphenyl-d14
 Concen: 37.433 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143037.D
 Acq: 08 Jul 2025 17:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-92



Tgt Ion:244 Resp: 268963
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.5 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: BF143037.D
 Acq: 08 Jul 2025 17:07

Tgt Ion:264 Resp: 124285
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 21.8 16.6 25.0

