

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143012.D
 Acq On : 07 Jul 2025 16:49
 Operator : RC/JU
 Sample : Q2478-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 07 17:12:23 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)

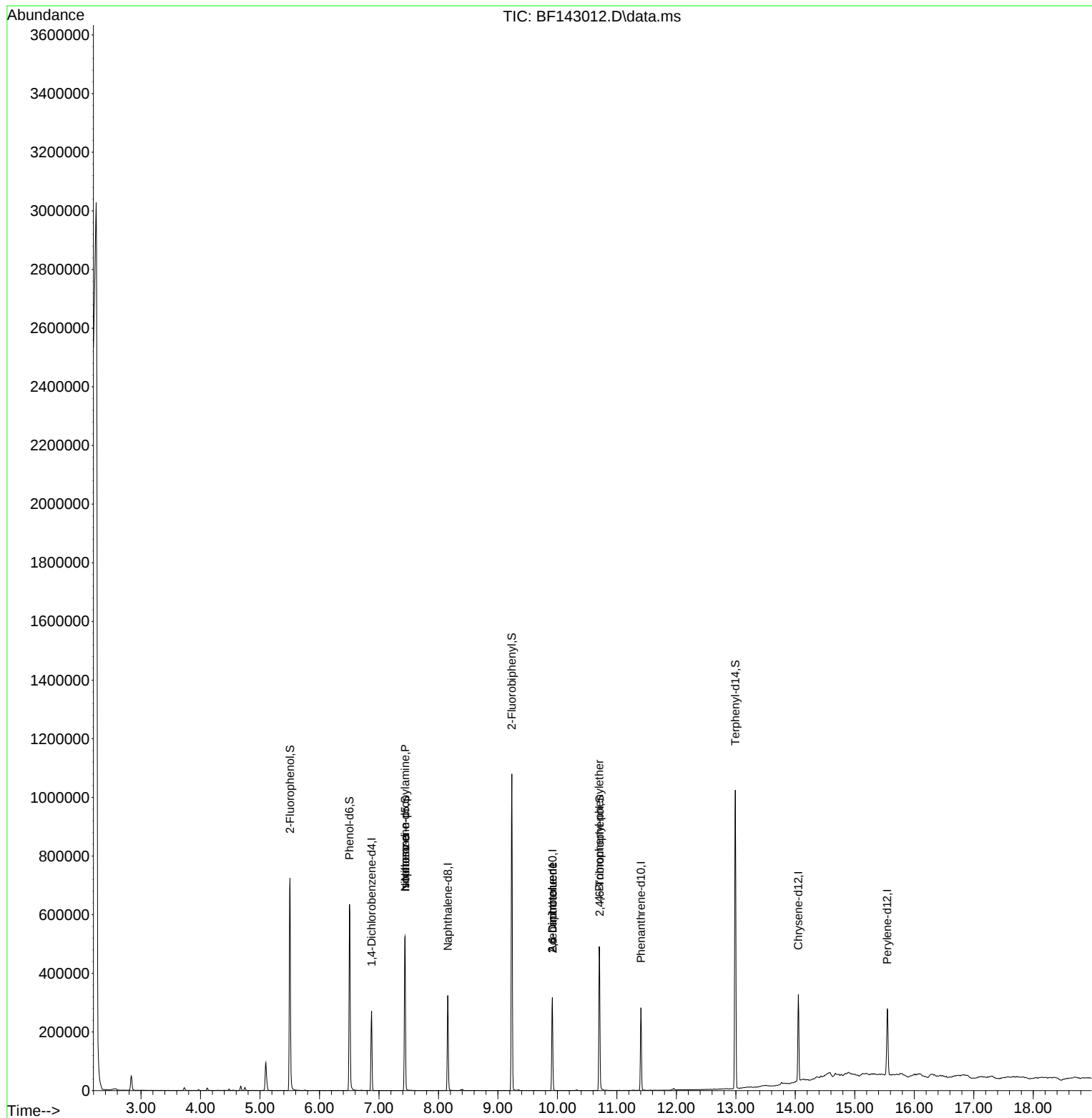
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58994	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	208968	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	96862	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	148189	20.000	ng	0.00
76) Chrysene-d12	14.051	240	141606	20.000	ng	0.00
86) Perylene-d12	15.545	264	139298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	291395	82.237	ng	0.01
7) Phenol-d6	6.504	99	304969	72.951	ng	0.00
23) Nitrobenzene-d5	7.439	82	233199	61.211	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	90512	90.805	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	477831	64.805	ng	-0.01
79) Terphenyl-d14	12.992	244	495370	48.335	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.439	70	30692	12.623	ng	# 73
25) Isophorone	7.439	82	233198	38.158	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12615	9.162	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12615	6.897	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	5724	3.394	ng	# 1

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

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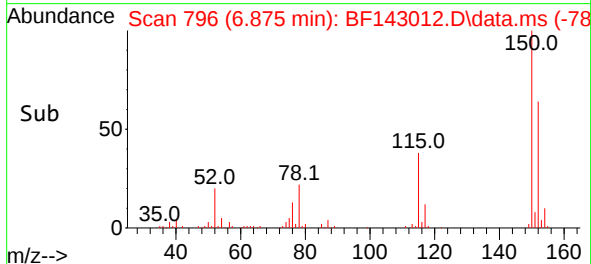
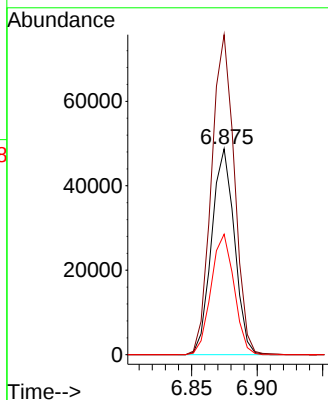
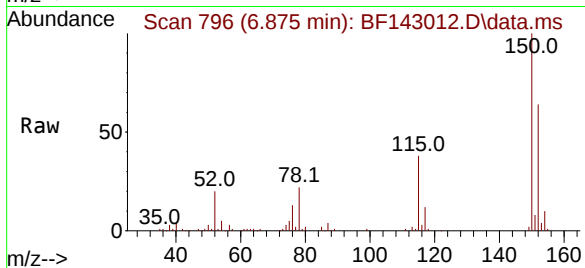




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143012.D
 Acq: 07 Jul 2025 16:49

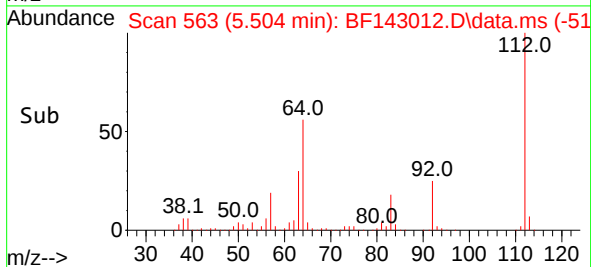
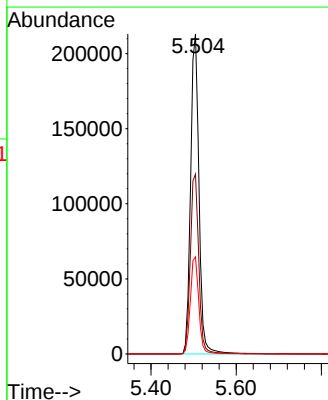
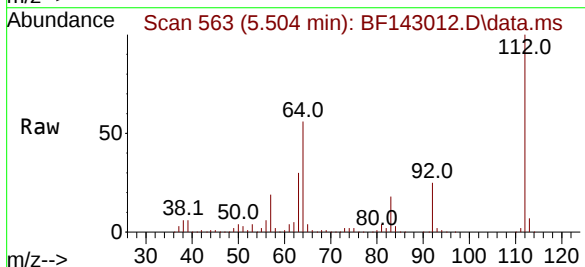
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

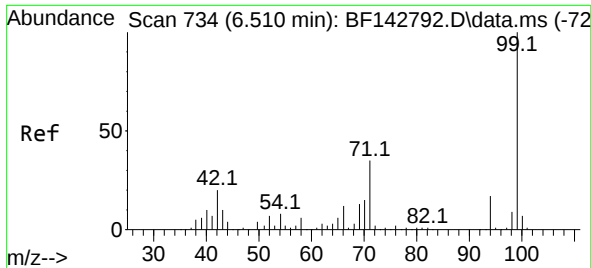
Tgt Ion:152 Resp: 58994
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.2 190.8
 115 58.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 82.237 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF143012.D
 Acq: 07 Jul 2025 16:49

Tgt Ion:112 Resp: 291395
 Ion Ratio Lower Upper
 112 100
 64 56.2 48.2 72.2
 63 30.4 25.7 38.5

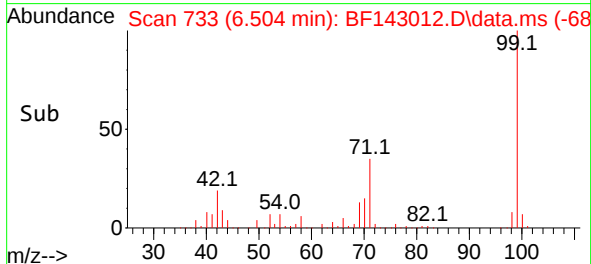
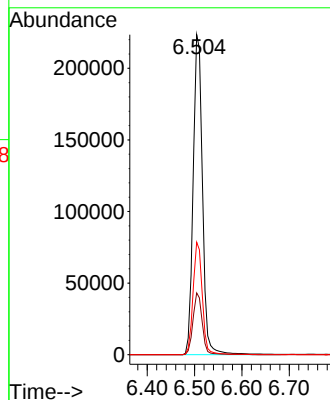
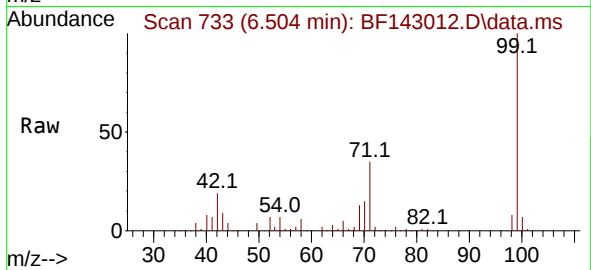




#7
Phenol-d6
Concen: 72.951 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

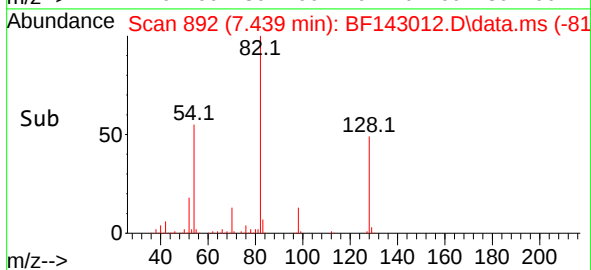
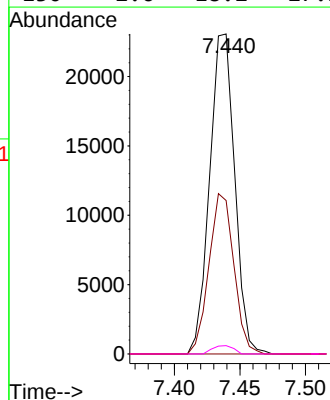
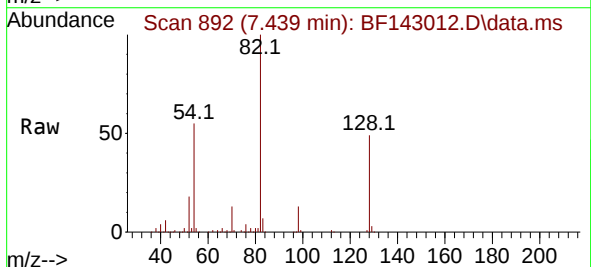
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 304969
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.623 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion: 70 Resp: 30692
Ion Ratio Lower Upper
70 100
42 47.9 52.1 78.1#
101 0.0 8.2 12.2#
130 2.6 18.2 27.2#

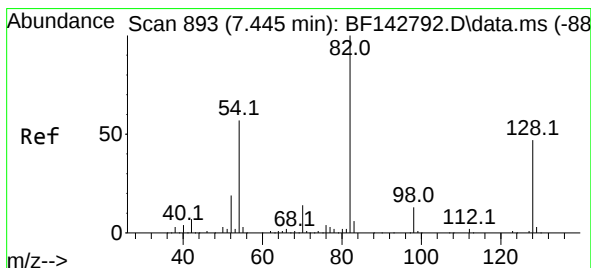
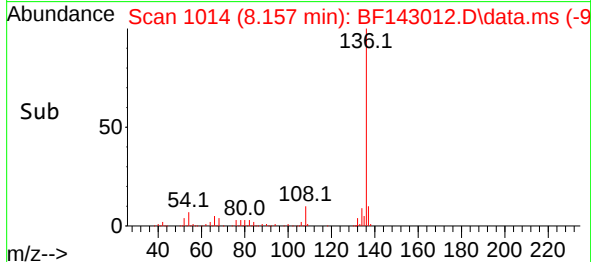
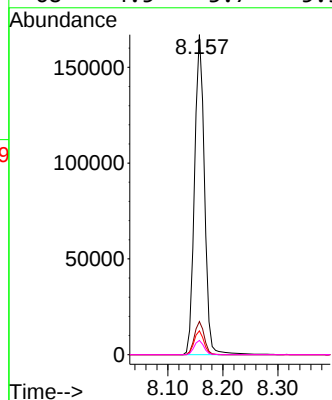
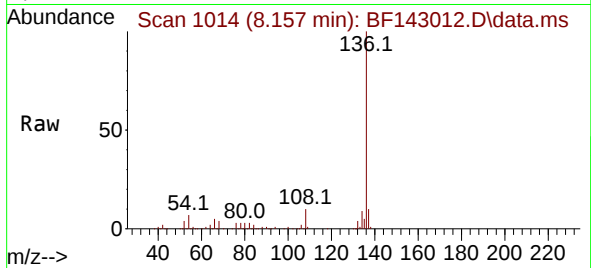




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

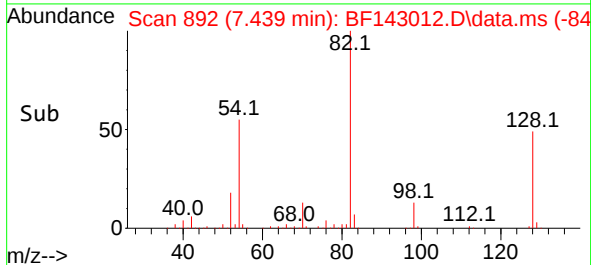
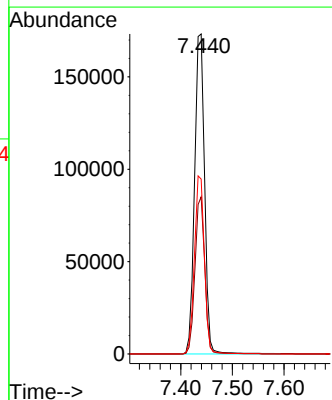
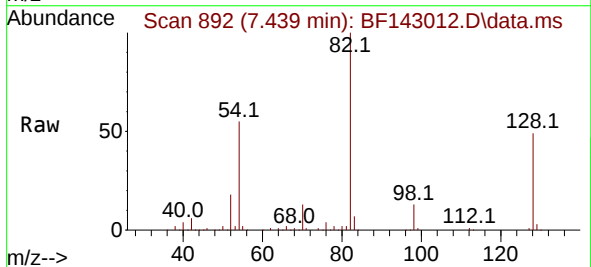
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 208968
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 7.4 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 61.211 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion: 82 Resp: 233199
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 54.6 45.7 68.5

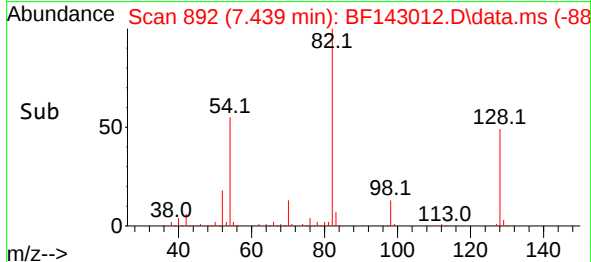
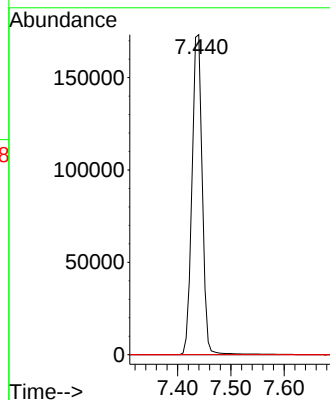
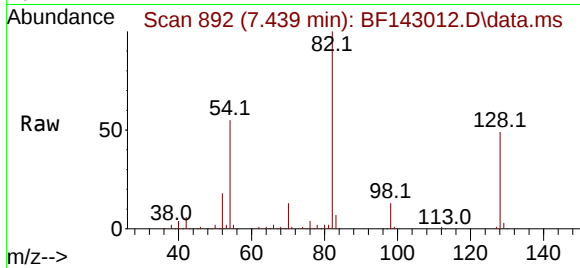




#25
Isophorone
Concen: 38.158 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

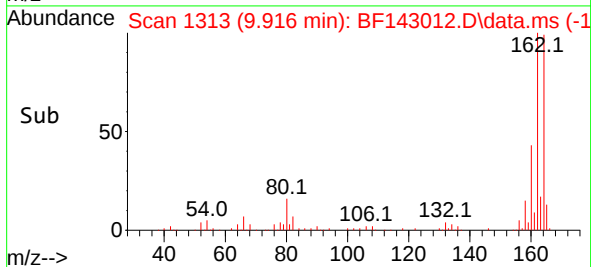
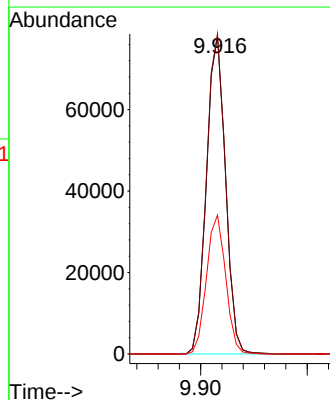
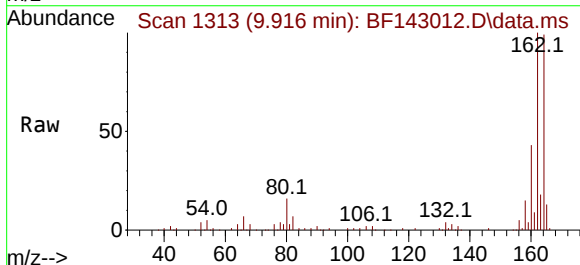
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ClientSampleId :
WC-1

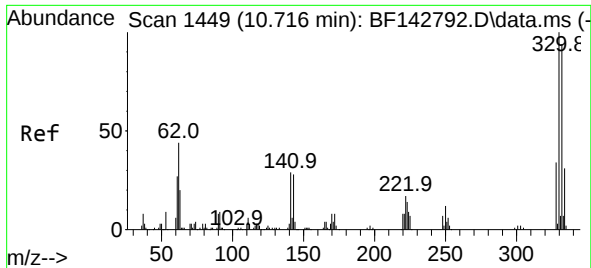
Tgt Ion: 82 Resp: 233198
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion:164 Resp: 96862
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 43.7 36.0 54.0

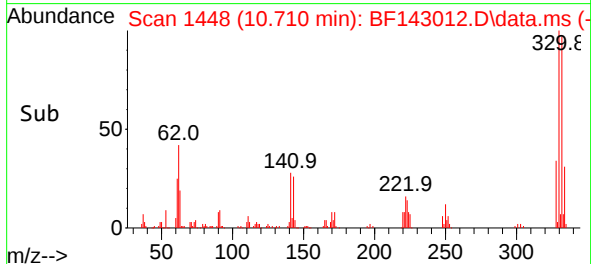
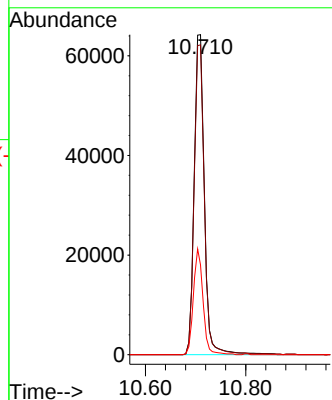
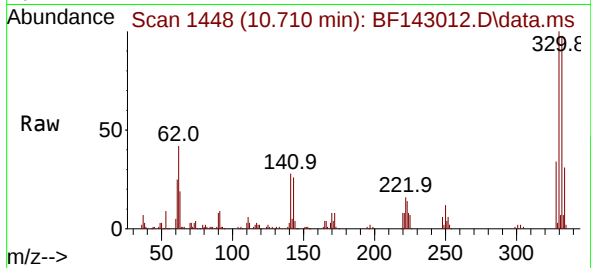




#42
2,4,6-Tribromophenol
Concen: 90.805 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

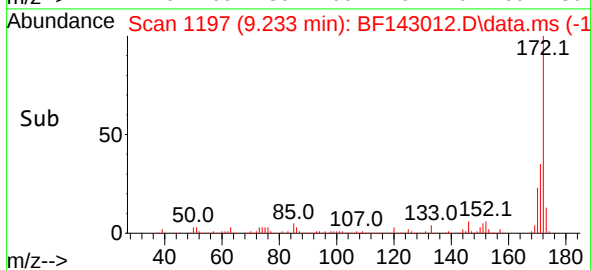
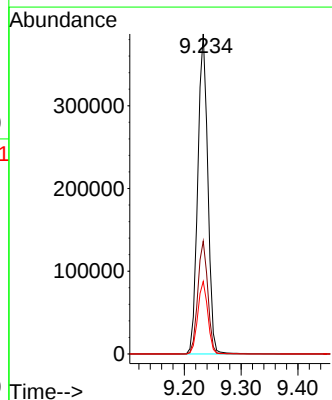
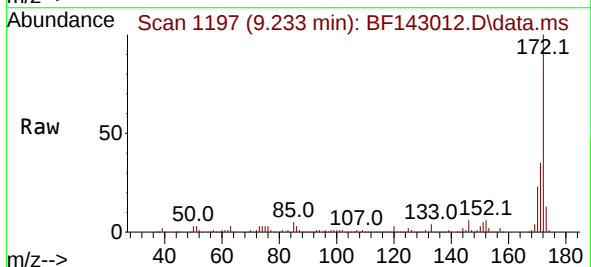
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:330 Resp: 90512
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 31.2 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 64.805 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion:172 Resp: 477831
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 22.7 18.5 27.7

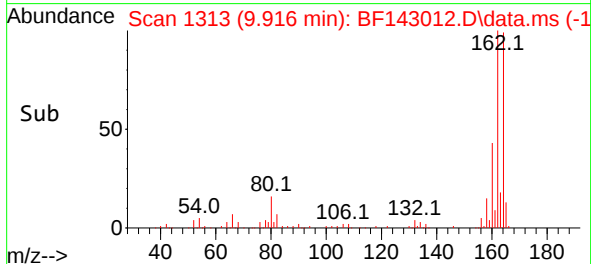
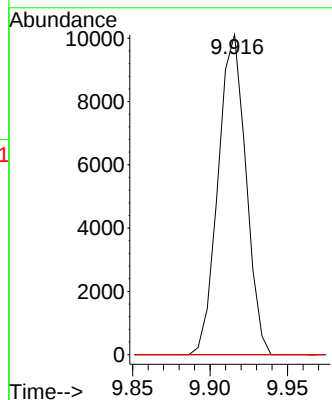
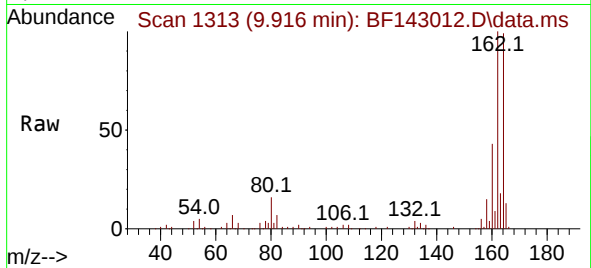




#51
2,6-Dinitrotoluene
Concen: 9.162 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

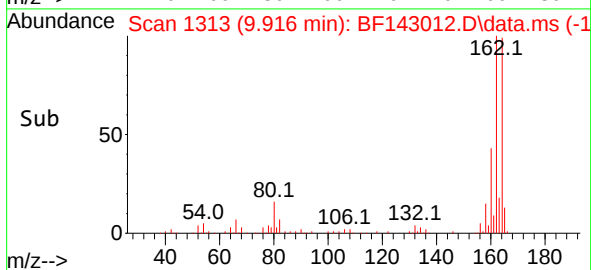
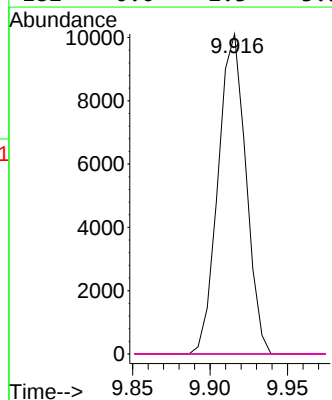
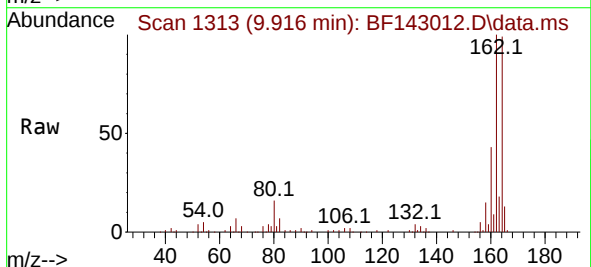
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ClientSampleId :
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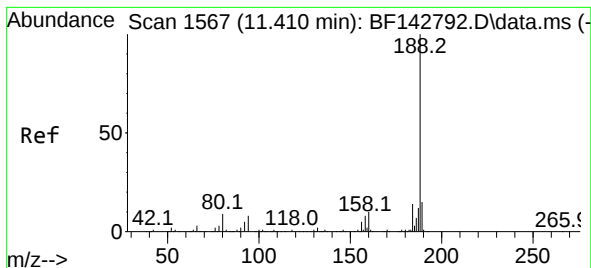
Tgt Ion:165 Resp: 12615
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.897 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion:165 Resp: 12615
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: BF143012.D

Acq: 07 Jul 2025 16:49

Instrument :

BNA_F

ClientSampleId :

WC-1

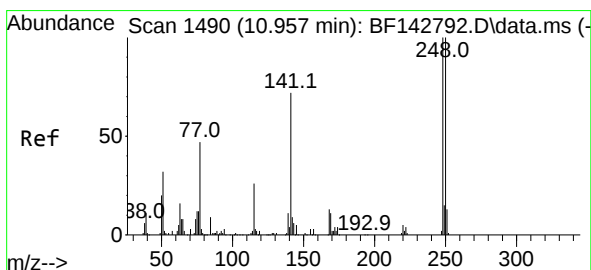
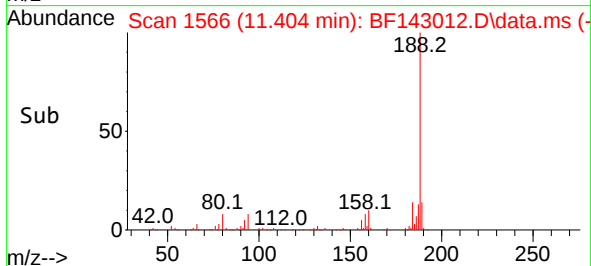
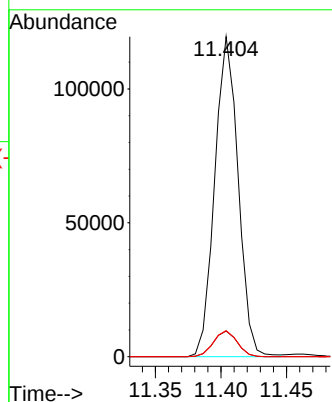
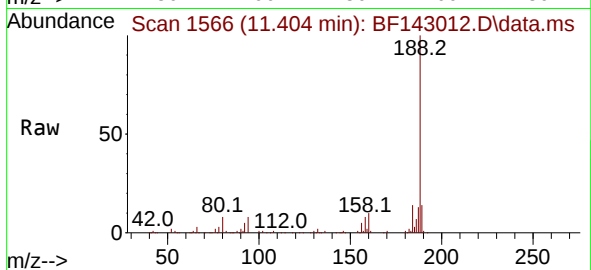
Tgt Ion:188 Resp: 148189

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.394 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF143012.D

Acq: 07 Jul 2025 16:49

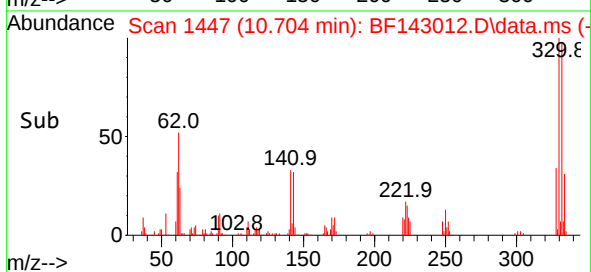
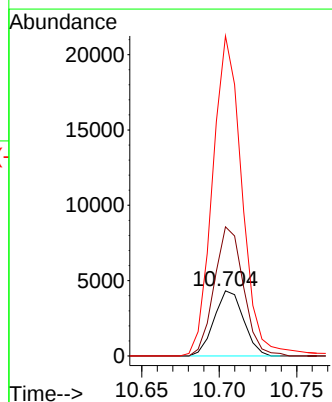
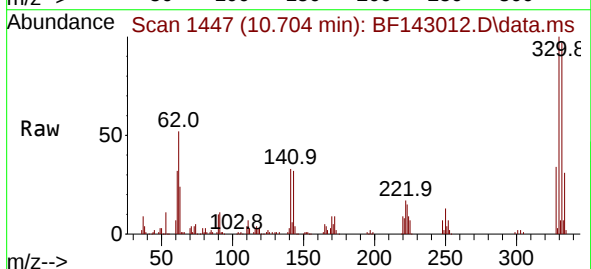
Tgt Ion:248 Resp: 5724

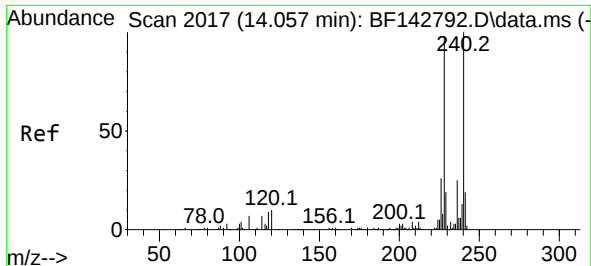
Ion Ratio Lower Upper

248 100

250 198.2 79.8 119.8#

141 490.9 57.8 86.6#

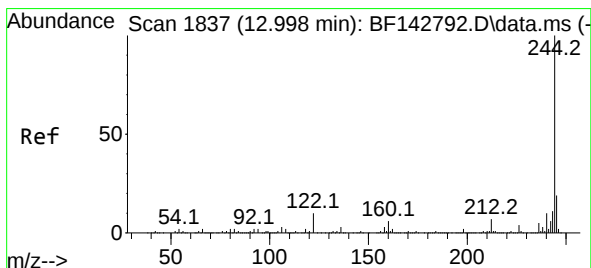
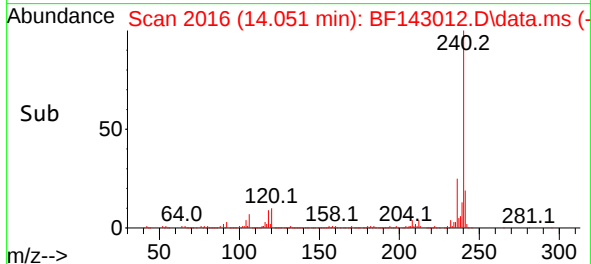
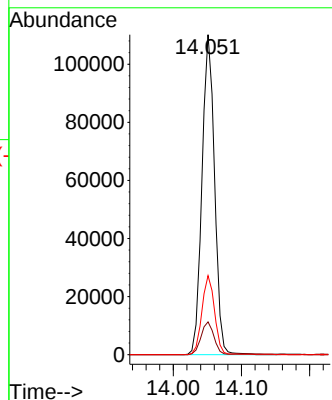
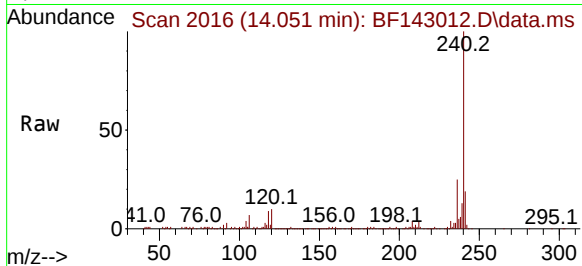




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

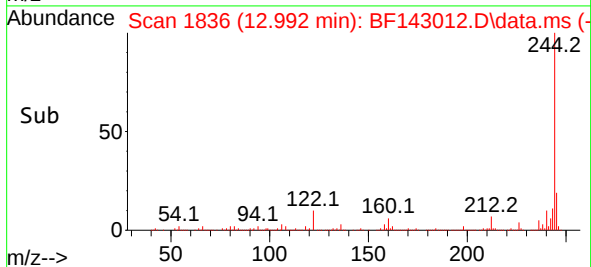
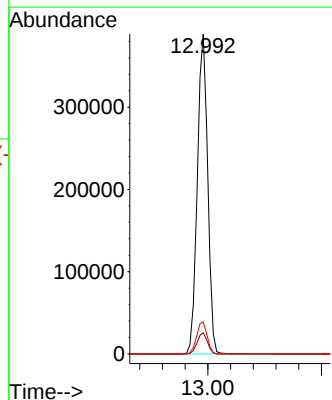
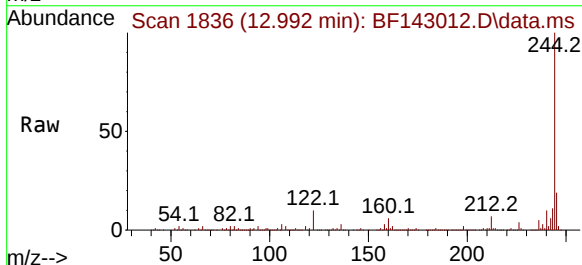
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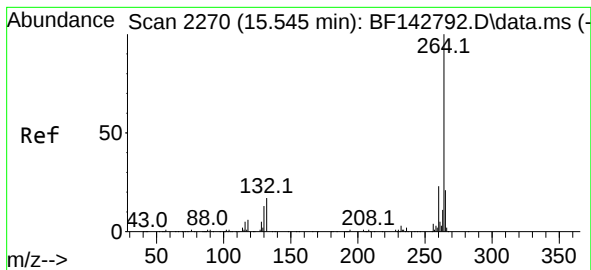
Tgt Ion:240 Resp: 141606
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.7 19.8 29.8



#79
Terphenyl-d14
Concen: 48.335 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143012.D
Acq: 07 Jul 2025 16:49

Tgt Ion:244 Resp: 495370
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.0 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143012.D
 Acq: 07 Jul 2025 16:49

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:264 Resp: 139298
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.1 27.1
 265 20.9 16.6 25.0

