

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142917.D
 Acq On : 30 Jun 2025 16:06
 Operator : RC/JU
 Sample : PB168626TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168626TB

Quant Time: Jun 30 16:36:46 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)

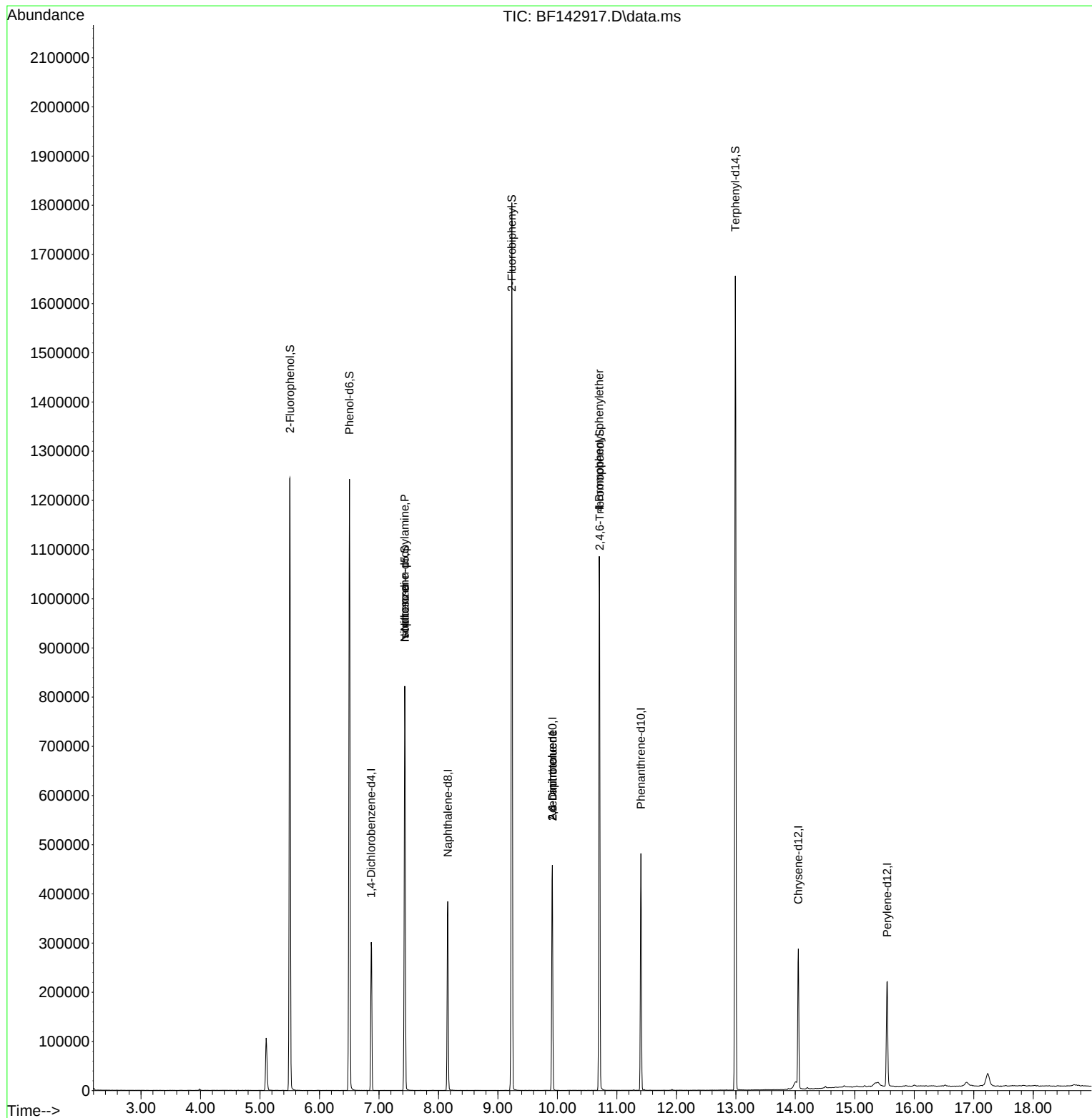
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68798	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	261774	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	142700	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	248581	20.000	ng	0.00
76) Chrysene-d12	14.051	240	139501	20.000	ng	0.00
86) Perylene-d12	15.545	264	134820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	509261	123.242	ng	0.01
7) Phenol-d6	6.504	99	602798	123.646	ng	0.00
23) Nitrobenzene-d5	7.434	82	374809	78.536	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	192690	131.217	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	843898	77.688	ng	-0.01
79) Terphenyl-d14	12.992	244	811964	80.422	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	50739	17.895	ng	# 75
25) Isophorone	7.434	82	374347	48.897	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18566	9.152	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	18566	6.890	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	12572	4.444	ng	# 1

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

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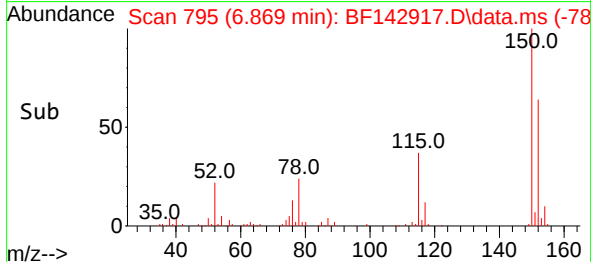
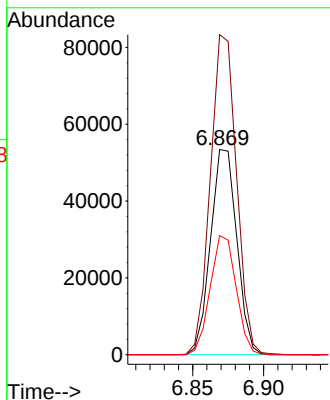
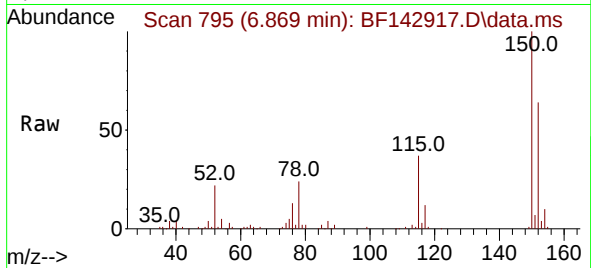




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

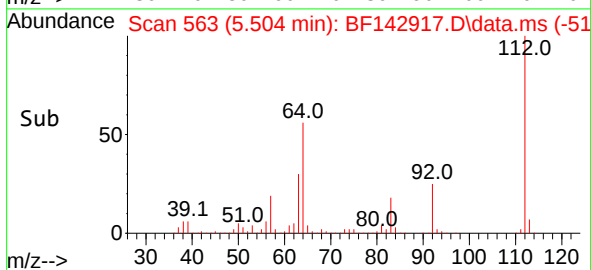
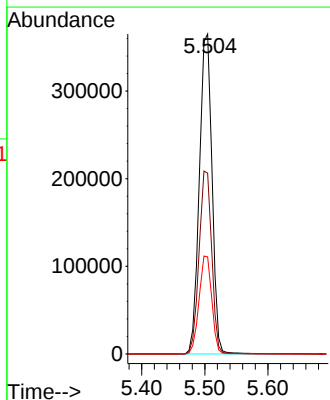
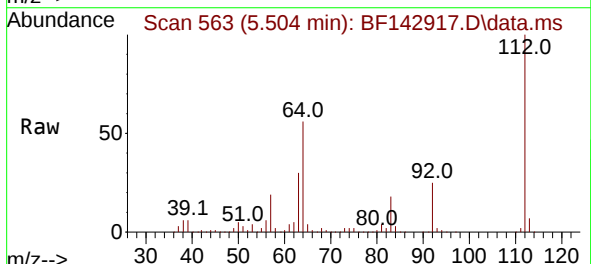
Instrument :
BNA_F
ClientSampleId :
PB168626TB

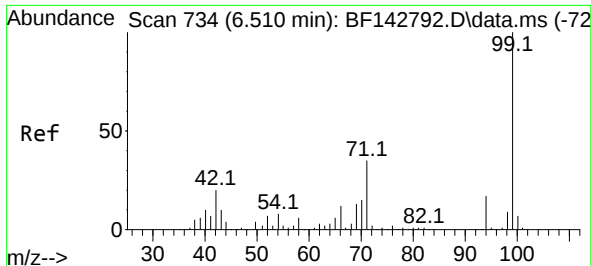
Tgt Ion:152 Resp: 68798
Ion Ratio Lower Upper
152 100
150 156.0 127.2 190.8
115 58.0 46.6 69.8



#5
2-Fluorophenol
Concen: 123.242 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion:112 Resp: 509261
Ion Ratio Lower Upper
112 100
64 56.5 48.2 72.2
63 30.4 25.7 38.5

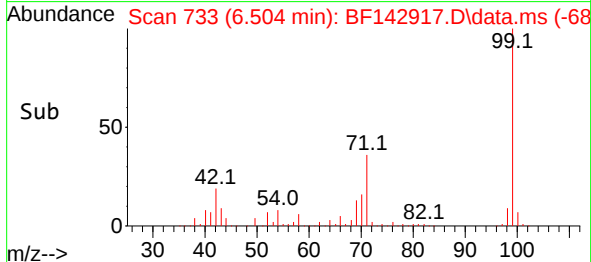
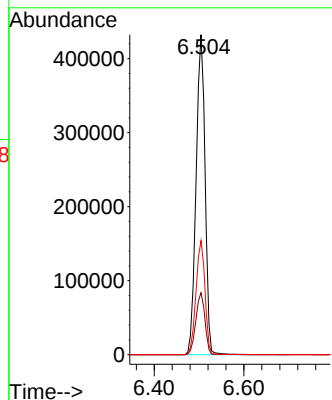
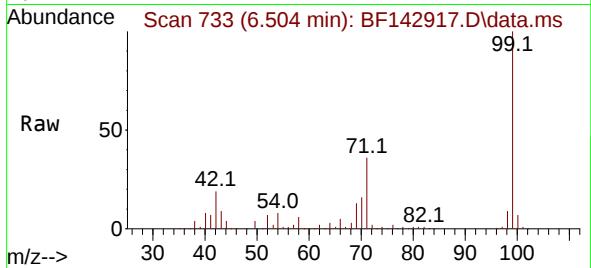




#7
Phenol-d6
Concen: 123.646 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

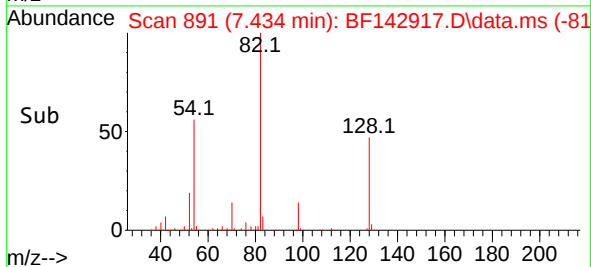
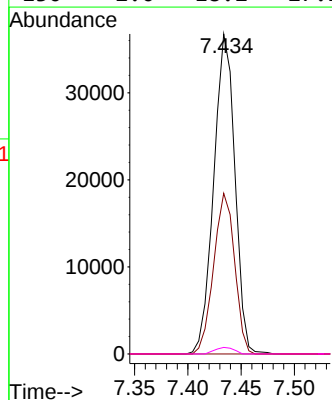
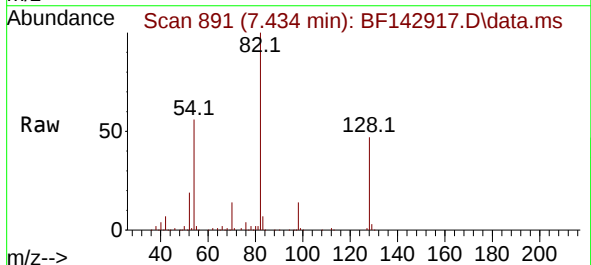
Instrument :
BNA_F
ClientSampleId :
PB168626TB

Tgt Ion: 99 Resp: 602798
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.895 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion: 70 Resp: 50739
Ion Ratio Lower Upper
70 100
42 50.2 52.1 78.1#
101 0.0 8.2 12.2#
130 2.0 18.2 27.2#

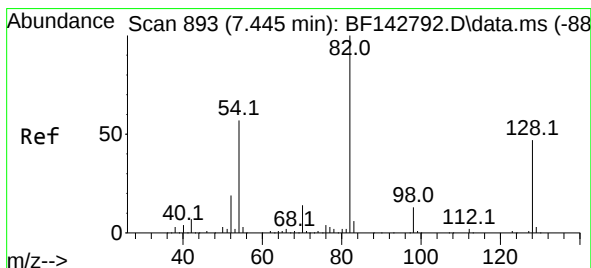
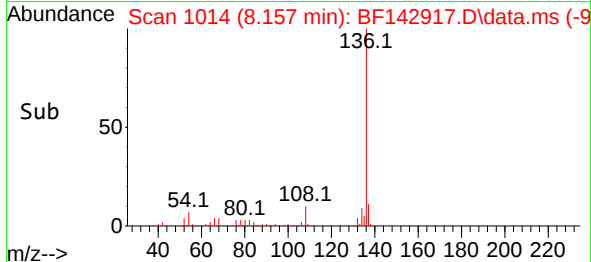
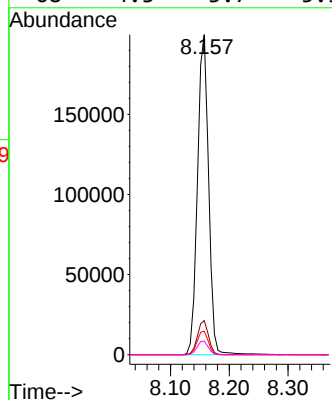
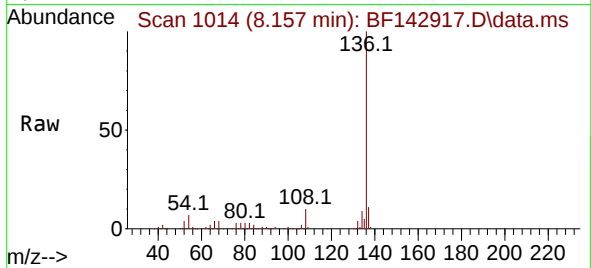




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

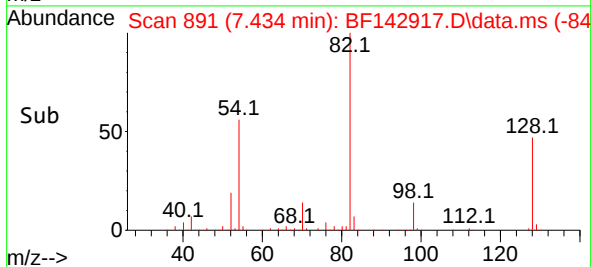
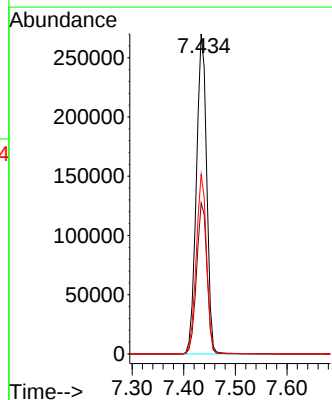
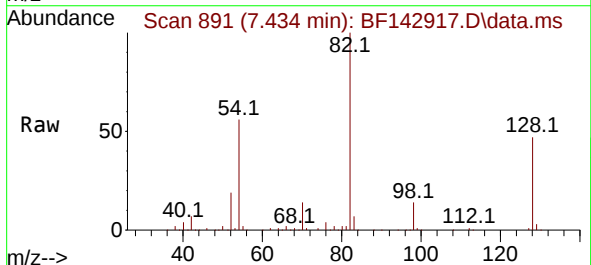
Instrument :
BNA_F
ClientSampleId :
PB168626TB

Tgt Ion:136 Resp: 261774
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.4 6.3 9.5
68 4.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 78.536 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion: 82 Resp: 374809
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 56.0 45.7 68.5

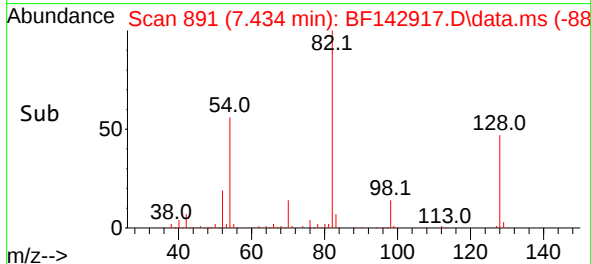
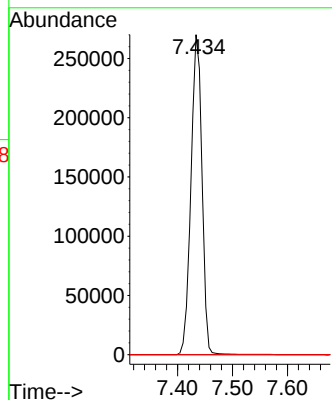
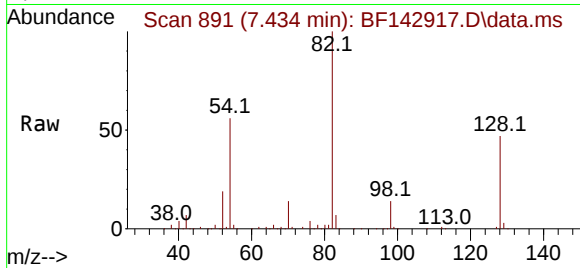




#25
Isophorone
Concen: 48.897 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

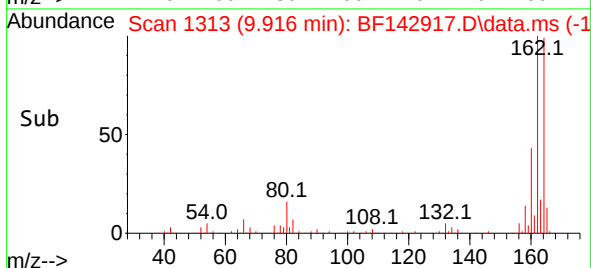
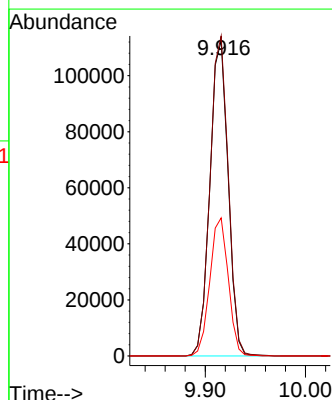
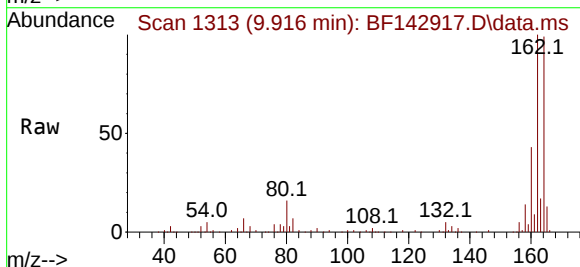
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ClientSampleId :
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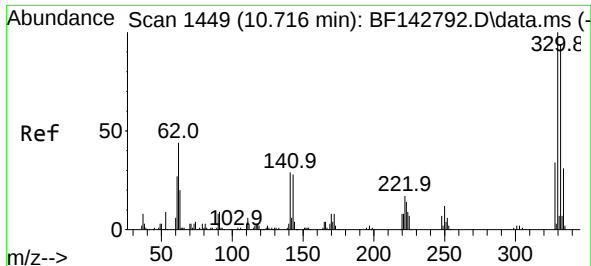
Tgt Ion: 82 Resp: 374347
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion:164 Resp: 142700
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.8
160 43.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 131.217 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142917.D

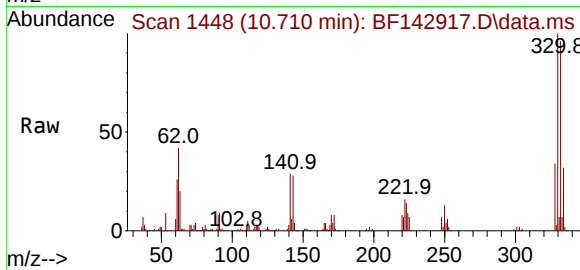
Acq: 30 Jun 2025 16:06

Instrument :

BNA_F

ClientSampleId :

PB168626TB



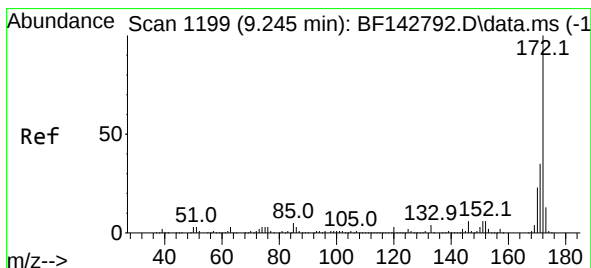
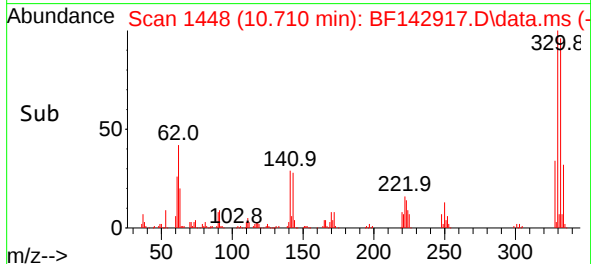
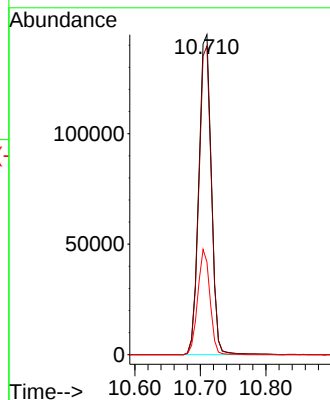
Tgt Ion:330 Resp: 192690

Ion Ratio Lower Upper

330 100

332 96.4 75.0 112.6

141 31.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 77.688 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142917.D

Acq: 30 Jun 2025 16:06

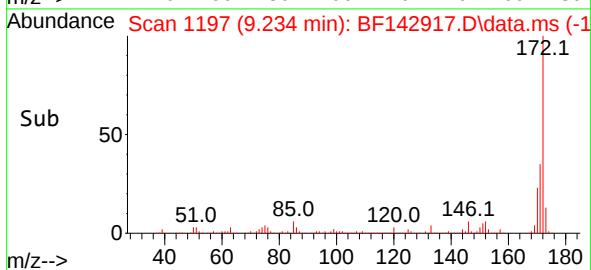
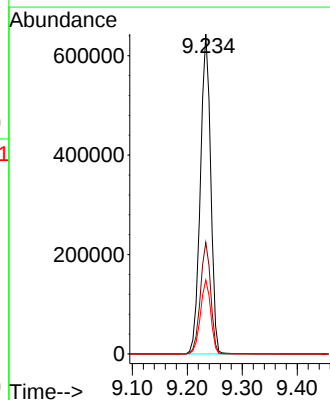
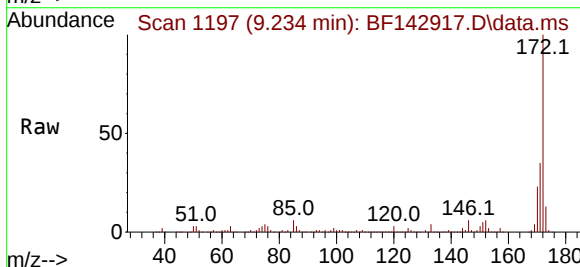
Tgt Ion:172 Resp: 843898

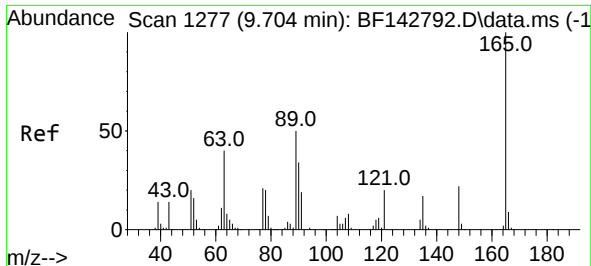
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.1 18.5 27.7

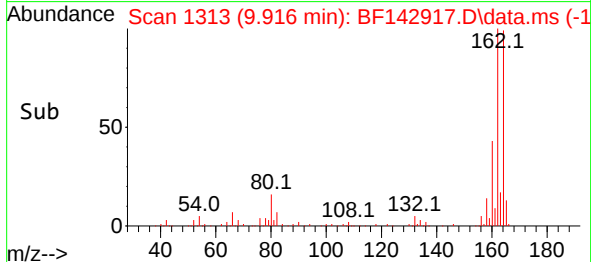
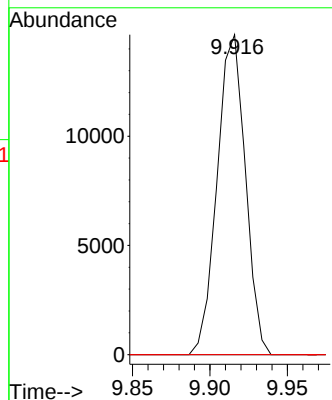
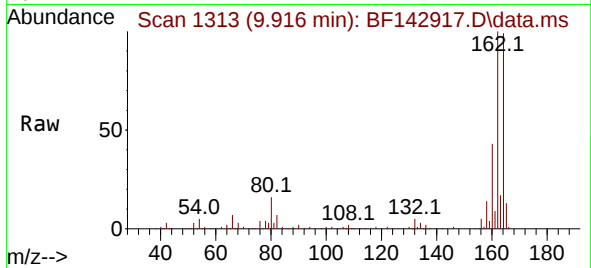




#51
2,6-Dinitrotoluene
Concen: 9.152 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

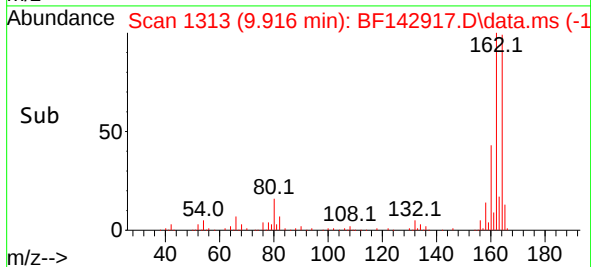
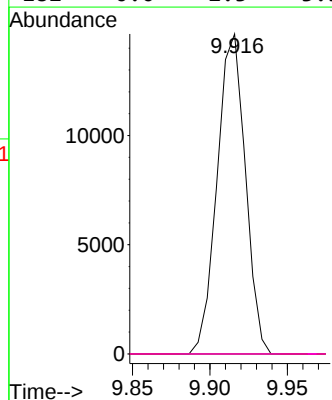
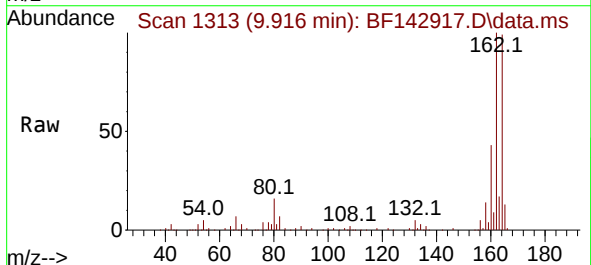
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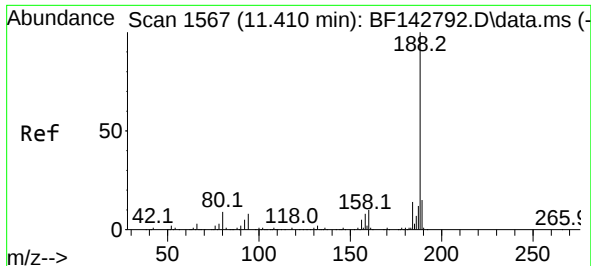
Tgt Ion:165 Resp: 18566
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.890 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion:165 Resp: 18566
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#

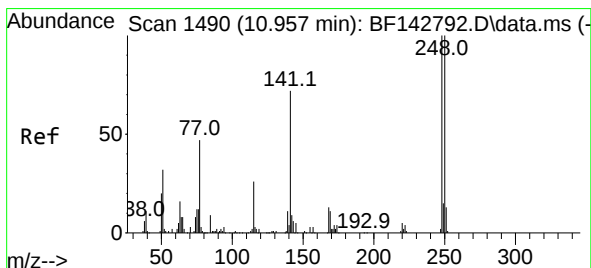
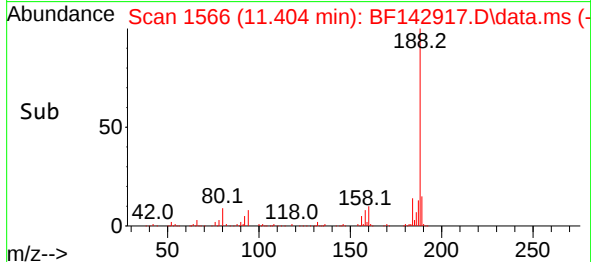
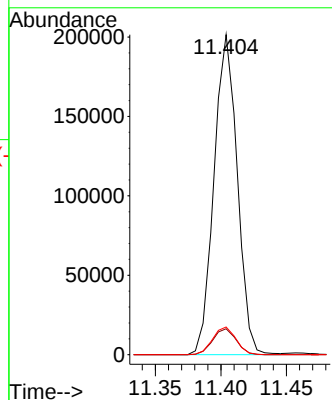
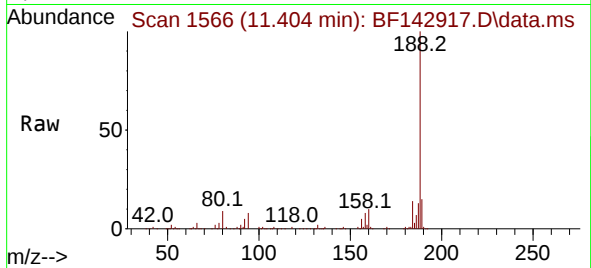




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

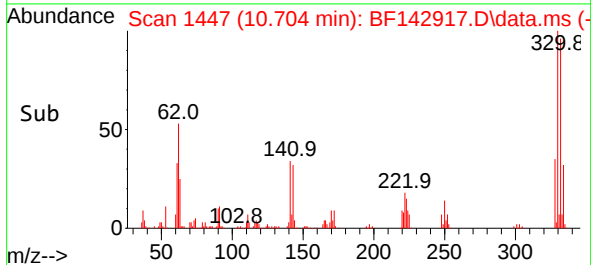
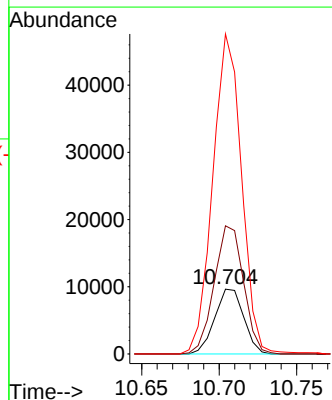
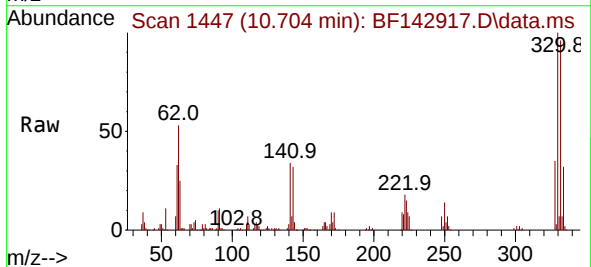
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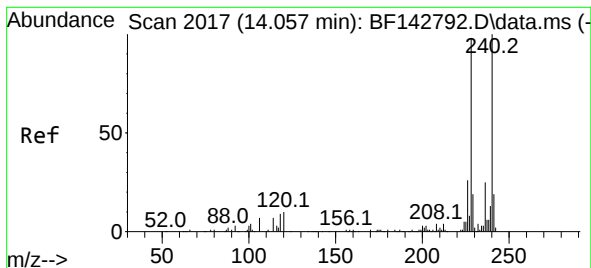
Tgt Ion:188 Resp: 248581
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.7 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.444 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142917.D
Acq: 30 Jun 2025 16:06

Tgt Ion:248 Resp: 12572
Ion Ratio Lower Upper
248 100
250 197.7 79.8 119.8#
141 493.3 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: BF142917.D

Acq: 30 Jun 2025 16:06

Instrument :

BNA_F

ClientSampleId :

PB168626TB

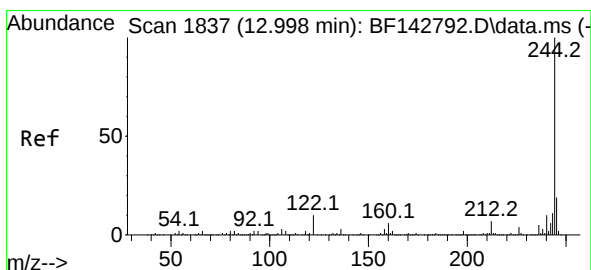
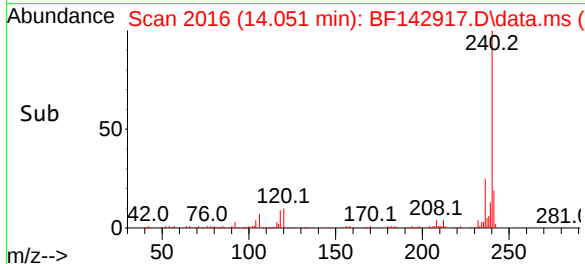
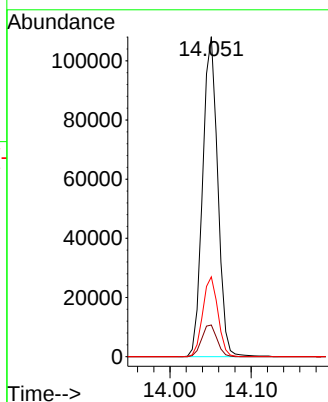
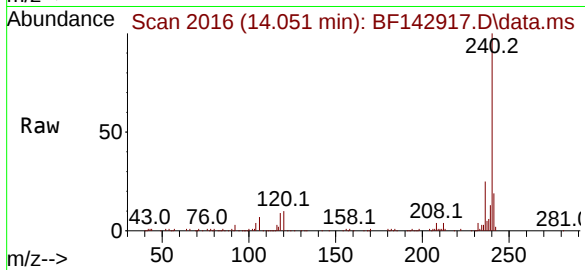
Tgt Ion:240 Resp: 139501

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 80.422 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142917.D

Acq: 30 Jun 2025 16:06

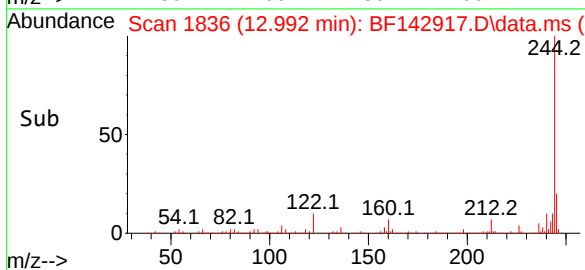
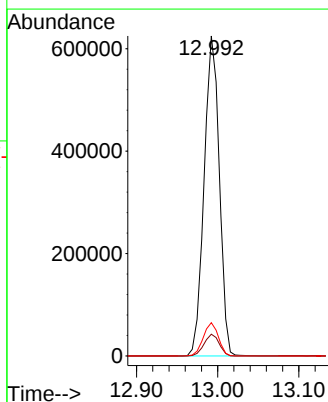
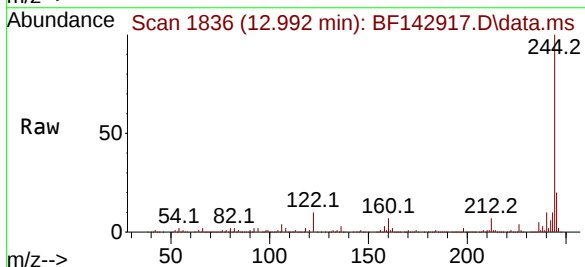
Tgt Ion:244 Resp: 811964

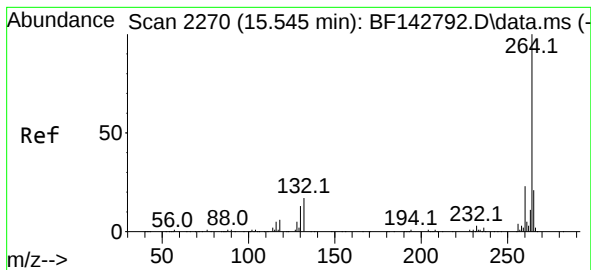
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

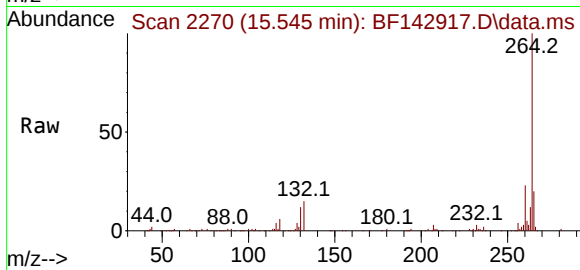
122 10.4 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142917.D
 Acq: 30 Jun 2025 16:06

Instrument :
 BNA_F
 ClientSampleId :
 PB168626TB



Tgt Ion:264 Resp: 134820
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.1 27.1
 265 20.3 16.6 25.0

