

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142947.D
 Acq On : 01 Jul 2025 13:49
 Operator : RC/JU
 Sample : PB168649BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168649BL

Quant Time: Jul 01 14:11:10 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)

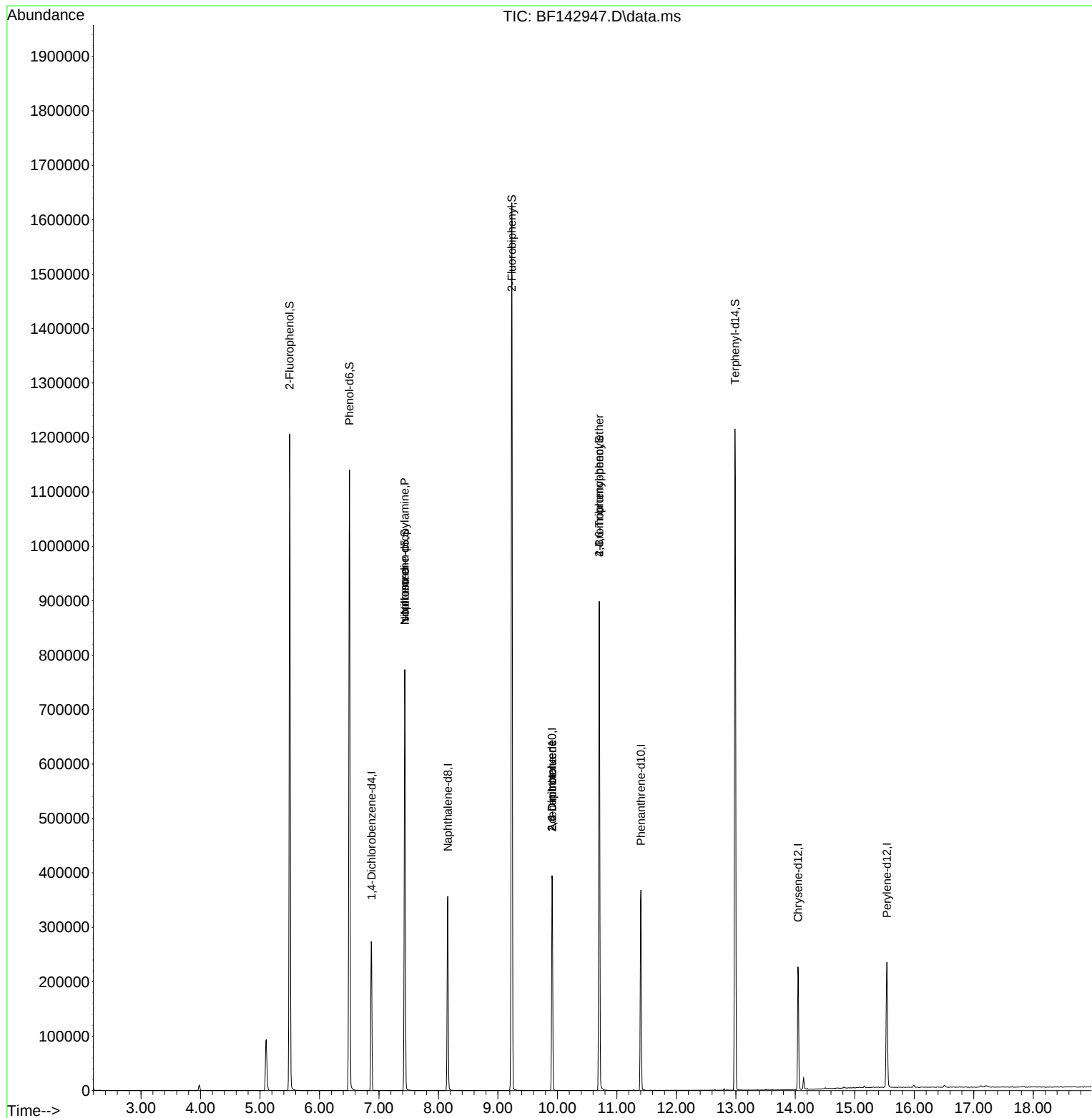
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62411	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	241848	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	125672	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	200491	20.000	ng	0.00
76) Chrysene-d12	14.045	240	116239	20.000	ng	-0.01
86) Perylene-d12	15.539	264	140657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	470010	125.384	ng	0.00
7) Phenol-d6	6.504	99	550654	124.509	ng	0.00
23) Nitrobenzene-d5	7.434	82	345708	78.406	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	154667	119.596	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	753324	78.746	ng	-0.01
79) Terphenyl-d14	12.986	244	606034	72.038	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	45739	17.782	ng	# 77
25) Isophorone	7.434	82	343387	48.549	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	16472	9.220	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	16472	6.941	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10337	4.530	ng	# 1

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

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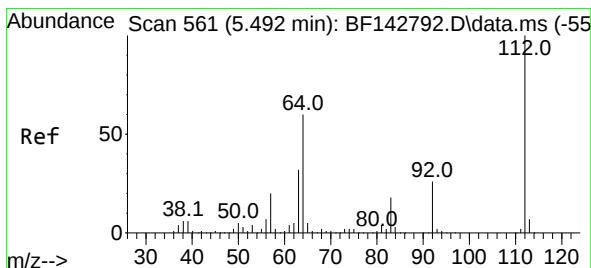
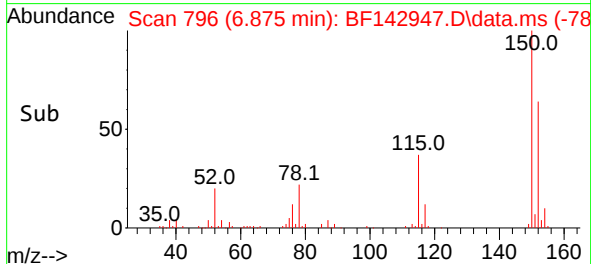
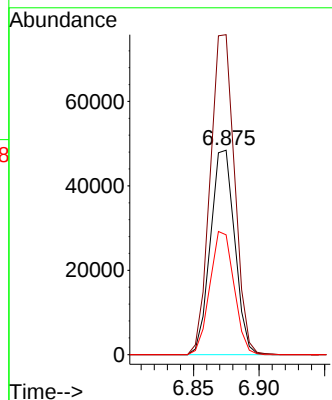
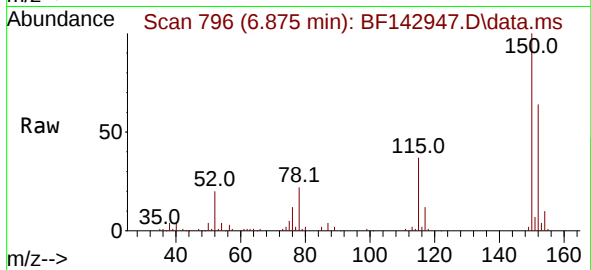




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

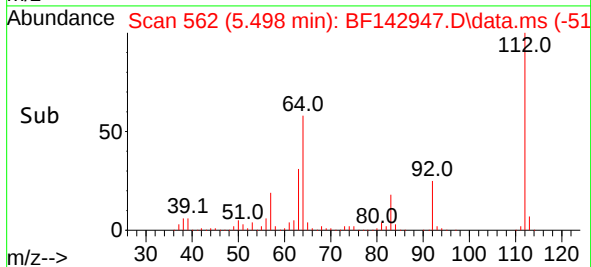
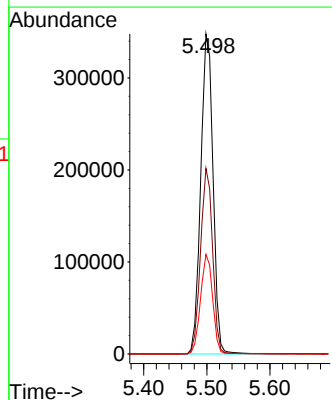
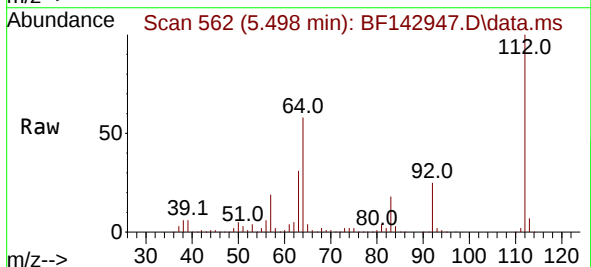
Instrument :
BNA_F
ClientSampleId :
PB168649BL

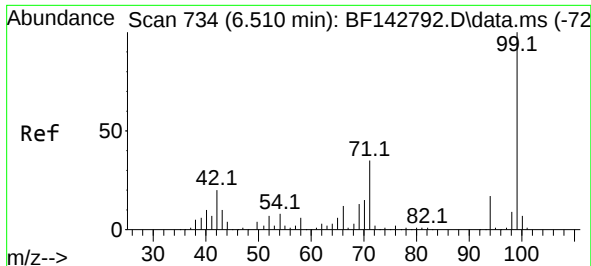
Tgt Ion:152 Resp: 62411
Ion Ratio Lower Upper
152 100
150 156.5 127.2 190.8
115 58.7 46.6 69.8



#5
2-Fluorophenol
Concen: 125.384 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion:112 Resp: 470010
Ion Ratio Lower Upper
112 100
64 58.0 48.2 72.2
63 31.1 25.7 38.5

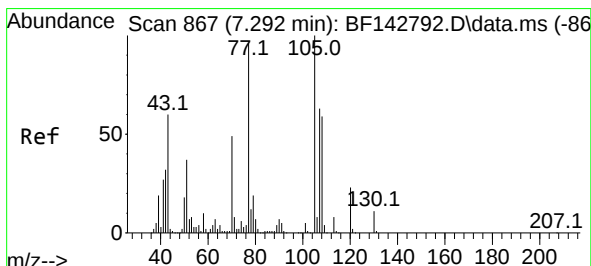
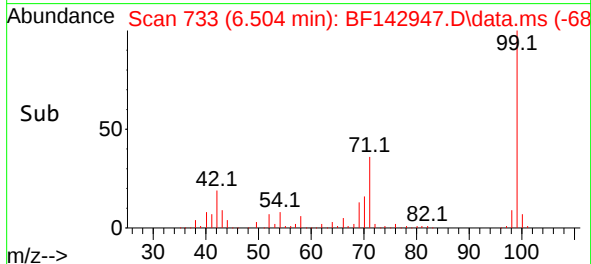
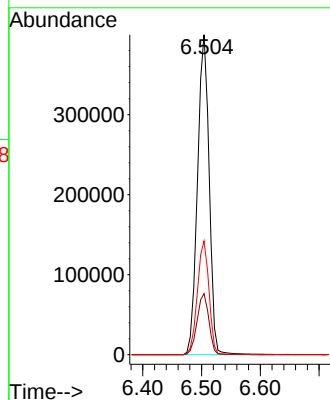
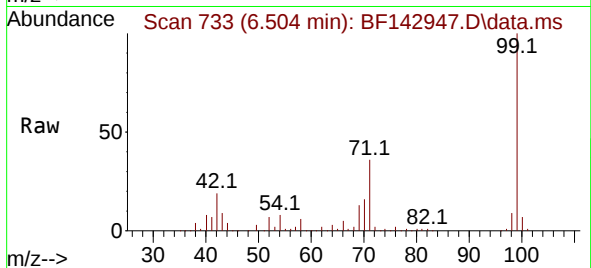




#7
Phenol-d6
Concen: 124.509 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

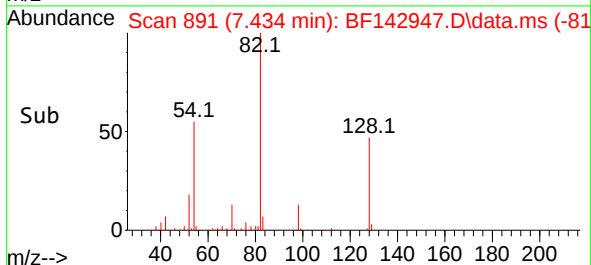
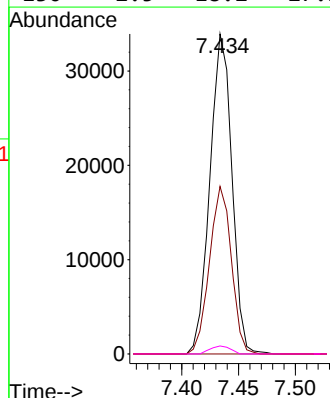
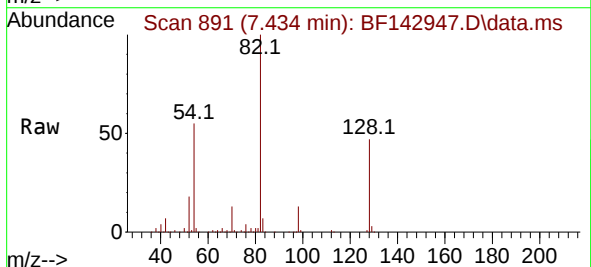
Instrument :
BNA_F
ClientSampleId :
PB168649BL

Tgt Ion: 99 Resp: 550654
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.782 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion: 70 Resp: 45739
Ion Ratio Lower Upper
70 100
42 52.4 52.1 78.1
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#

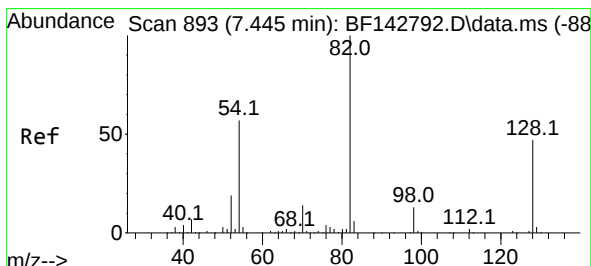
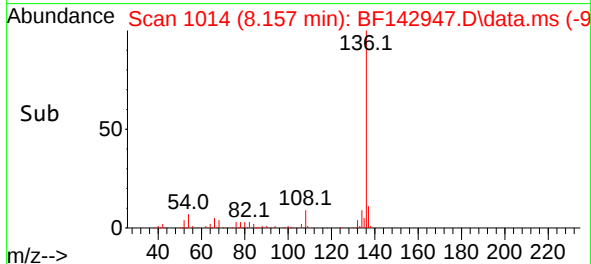
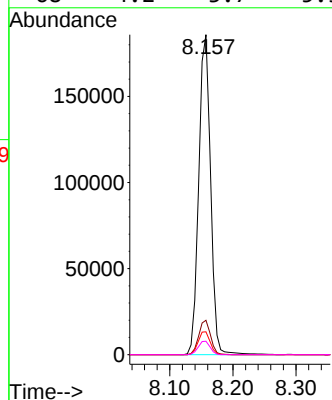
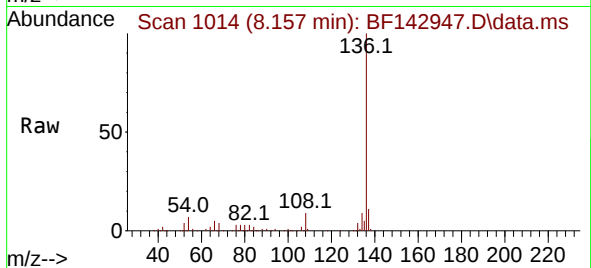




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

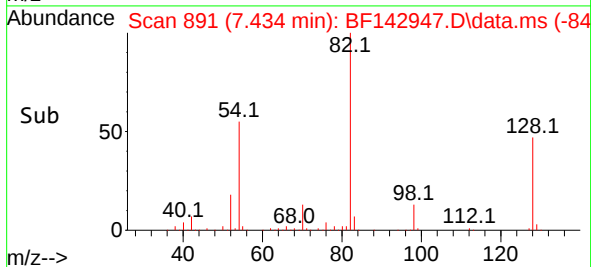
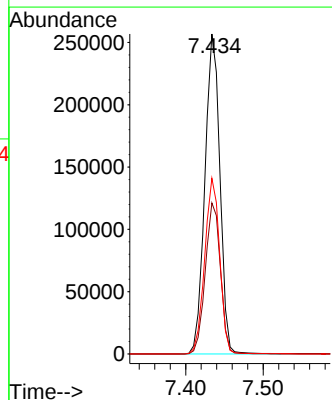
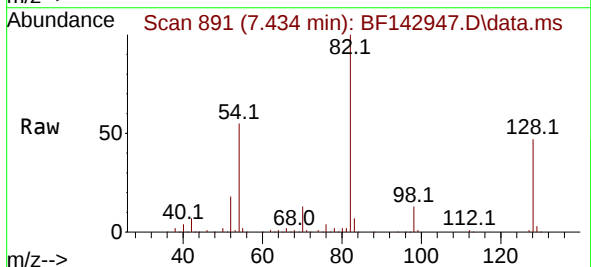
Instrument :
BNA_F
ClientSampleId :
PB168649BL

Tgt Ion:136 Resp: 241848
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.1 6.3 9.5
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 78.406 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion: 82 Resp: 345708
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 54.9 45.7 68.5

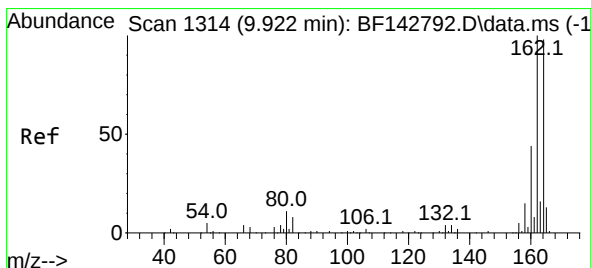
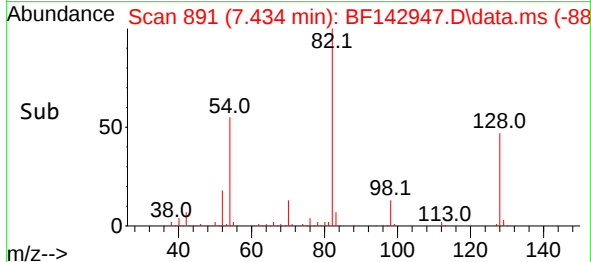
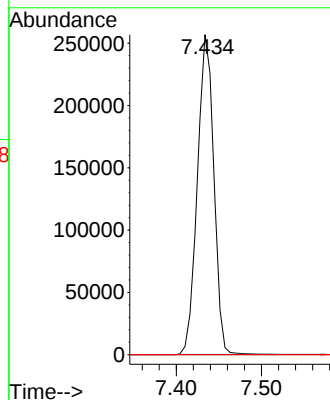
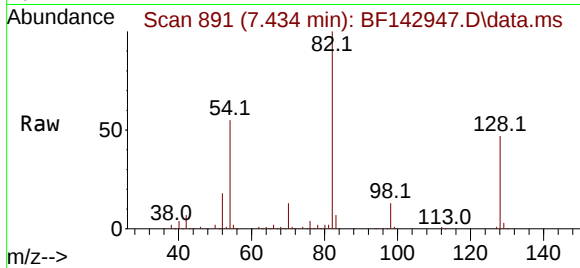




#25
Isophorone
Concen: 48.549 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

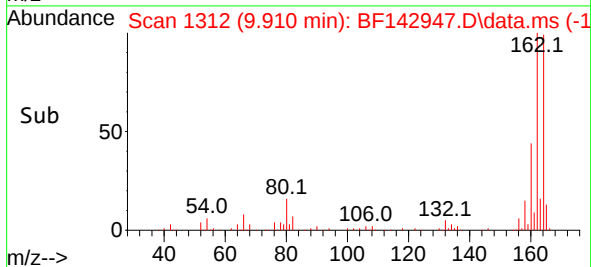
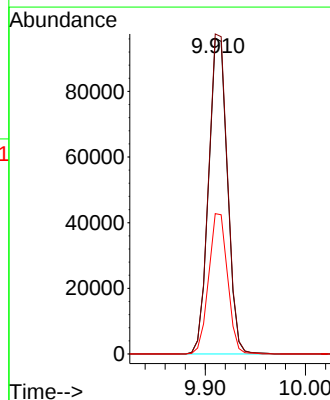
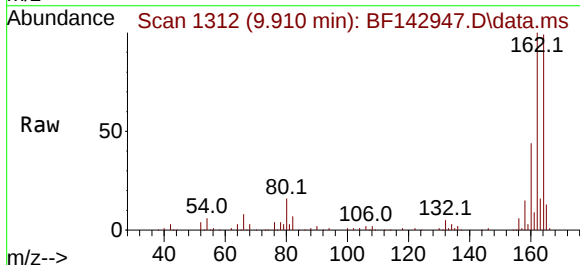
Instrument :
BNA_F
ClientSampleId :
PB168649BL

Tgt Ion: 82 Resp: 343387
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: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion: 164 Resp: 125672
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 119.596 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL

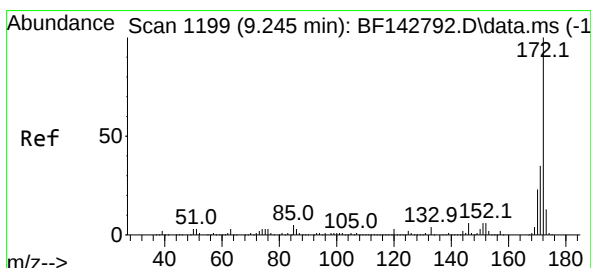
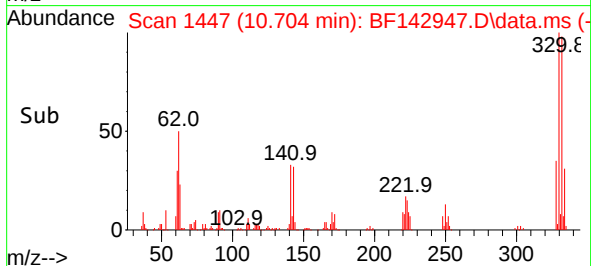
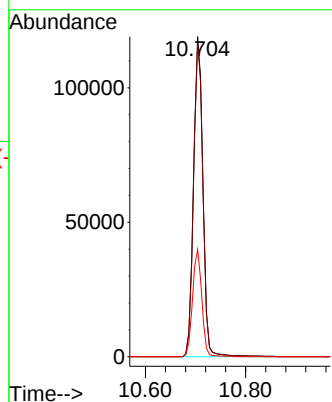
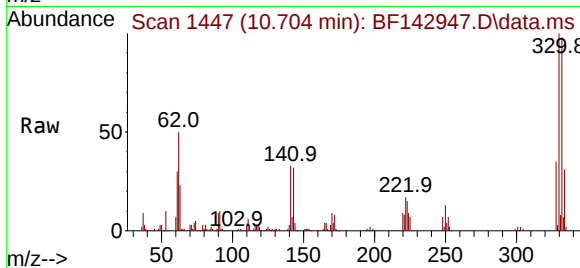
Tgt Ion:330 Resp: 154667

Ion Ratio Lower Upper

330 100

332 97.7 75.0 112.6

141 32.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 78.746 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

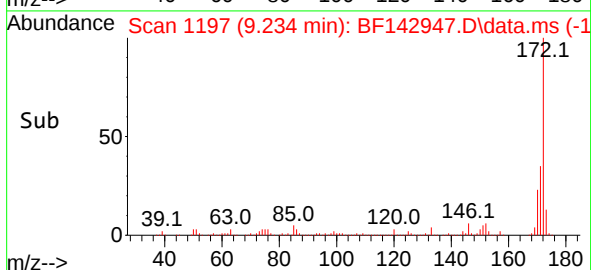
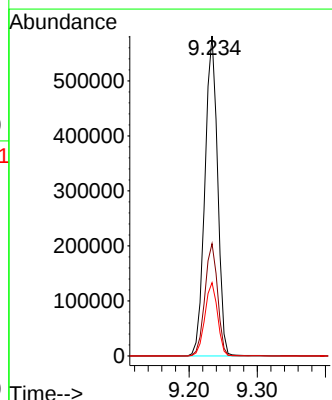
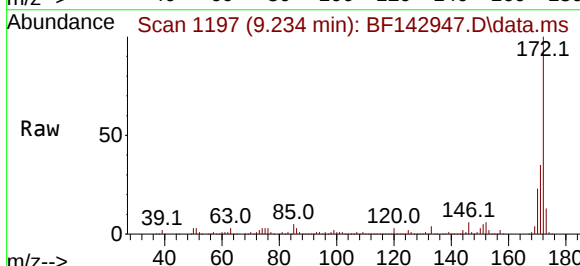
Tgt Ion:172 Resp: 753324

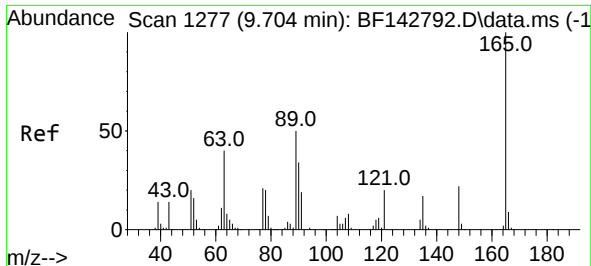
Ion Ratio Lower Upper

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171 35.1 28.2 42.4

170 22.9 18.5 27.7

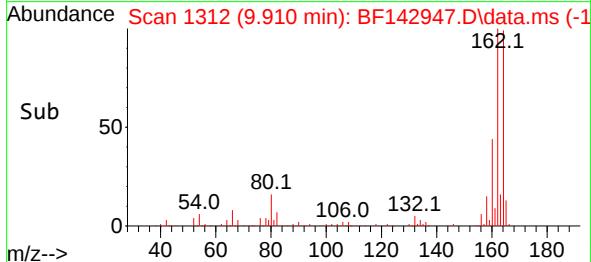
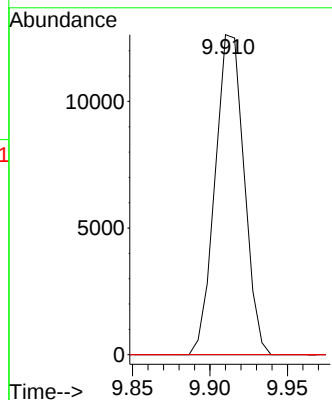
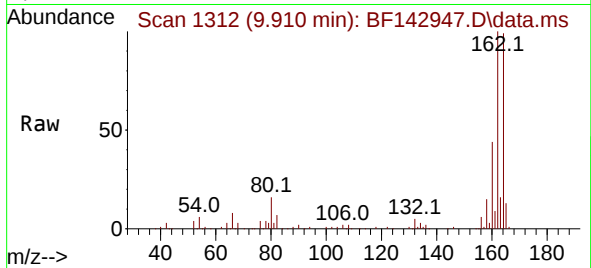




#51
2,6-Dinitrotoluene
Concen: 9.220 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

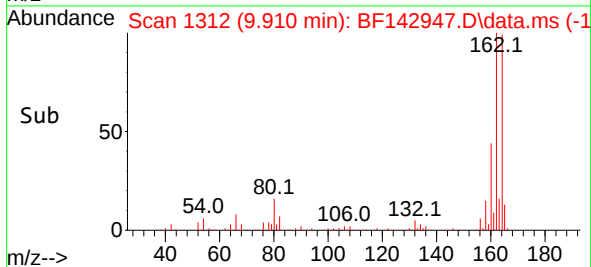
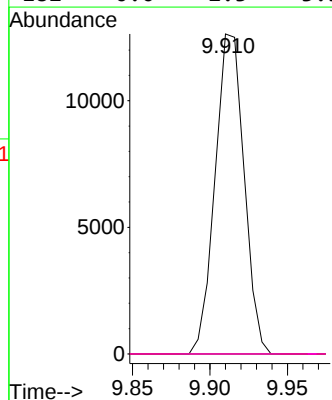
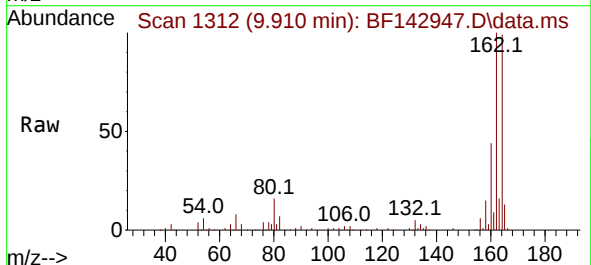
Instrument :
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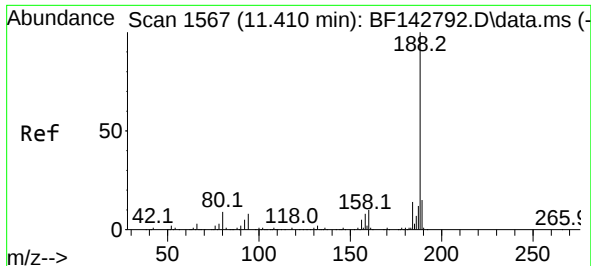
Tgt Ion:165 Resp: 16472
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.941 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion:165 Resp: 16472
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#

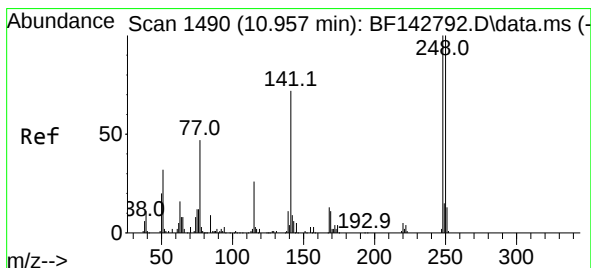
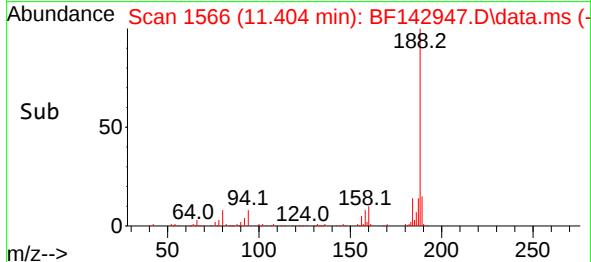
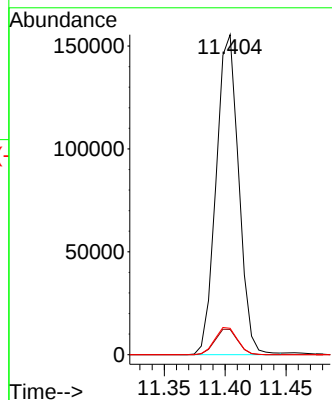
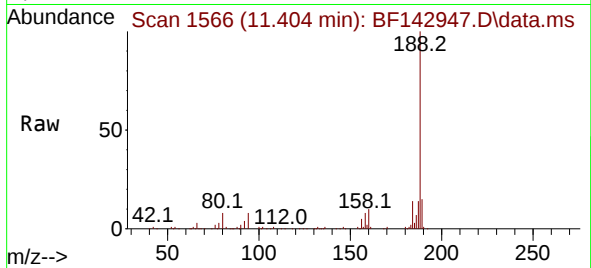




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

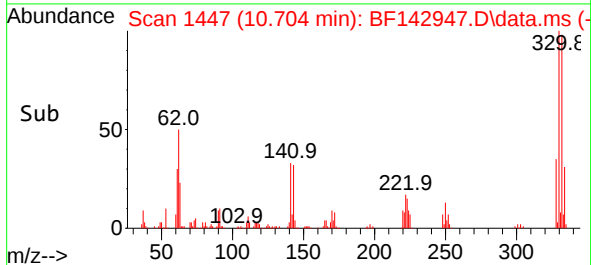
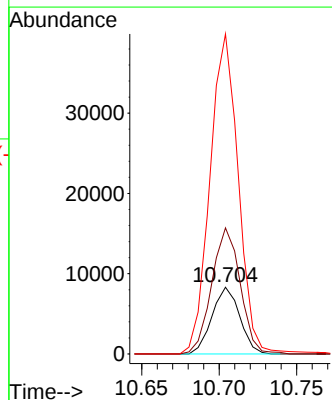
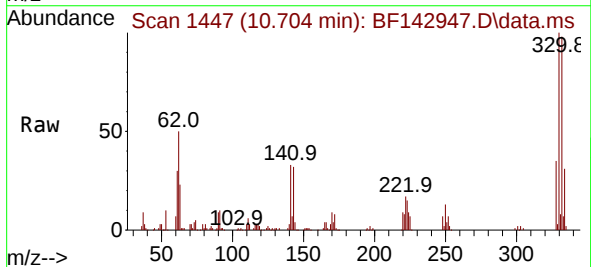
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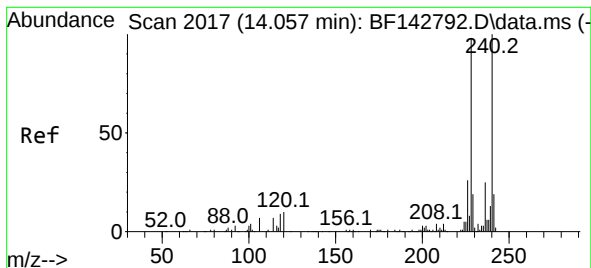
Tgt Ion:188 Resp: 200491
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.3 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.530 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion:248 Resp: 10337
Ion Ratio Lower Upper
248 100
250 189.0 79.8 119.8#
141 479.7 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL

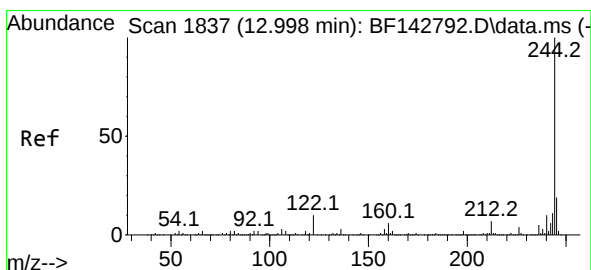
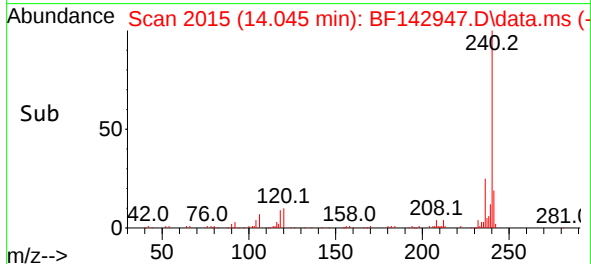
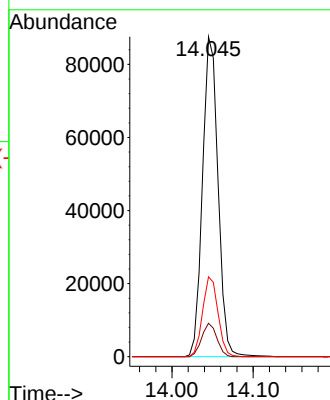
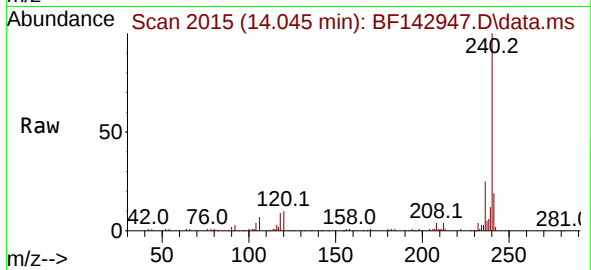
Tgt Ion:240 Resp: 116239

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 72.038 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

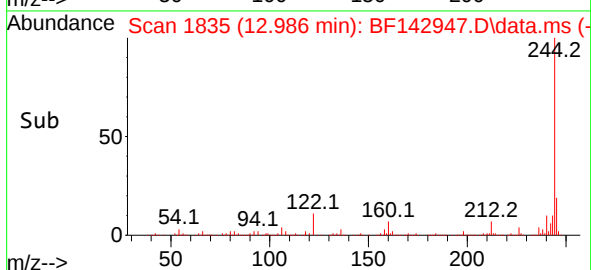
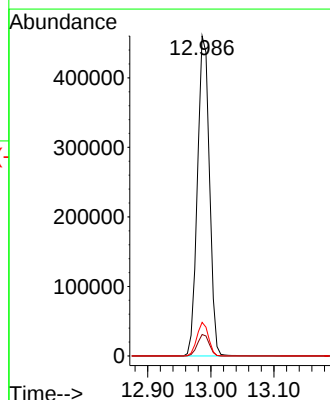
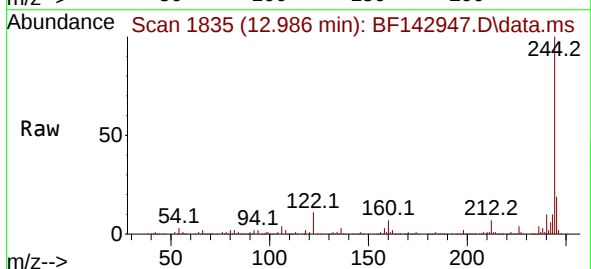
Tgt Ion:244 Resp: 606034

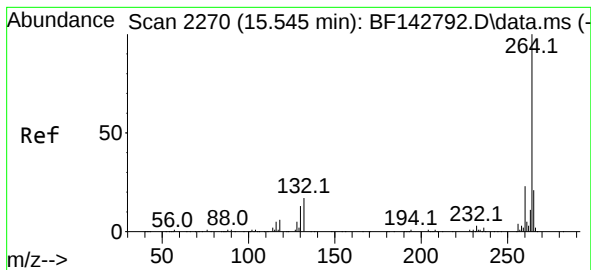
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.5 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: BF142947.D

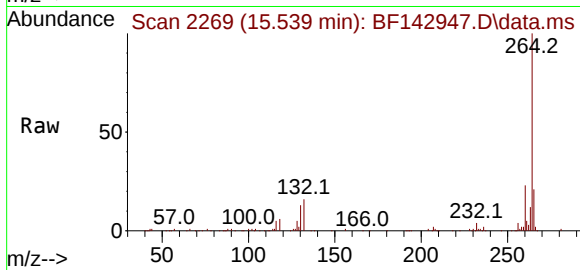
Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL



Tgt Ion:264 Resp: 140657

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 20.9 16.6 25.0

