

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142942.D
 Acq On : 01 Jul 2025 11:17
 Operator : RC/JU
 Sample : PB168640BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168640BL

Quant Time: Jul 01 11:50:22 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)

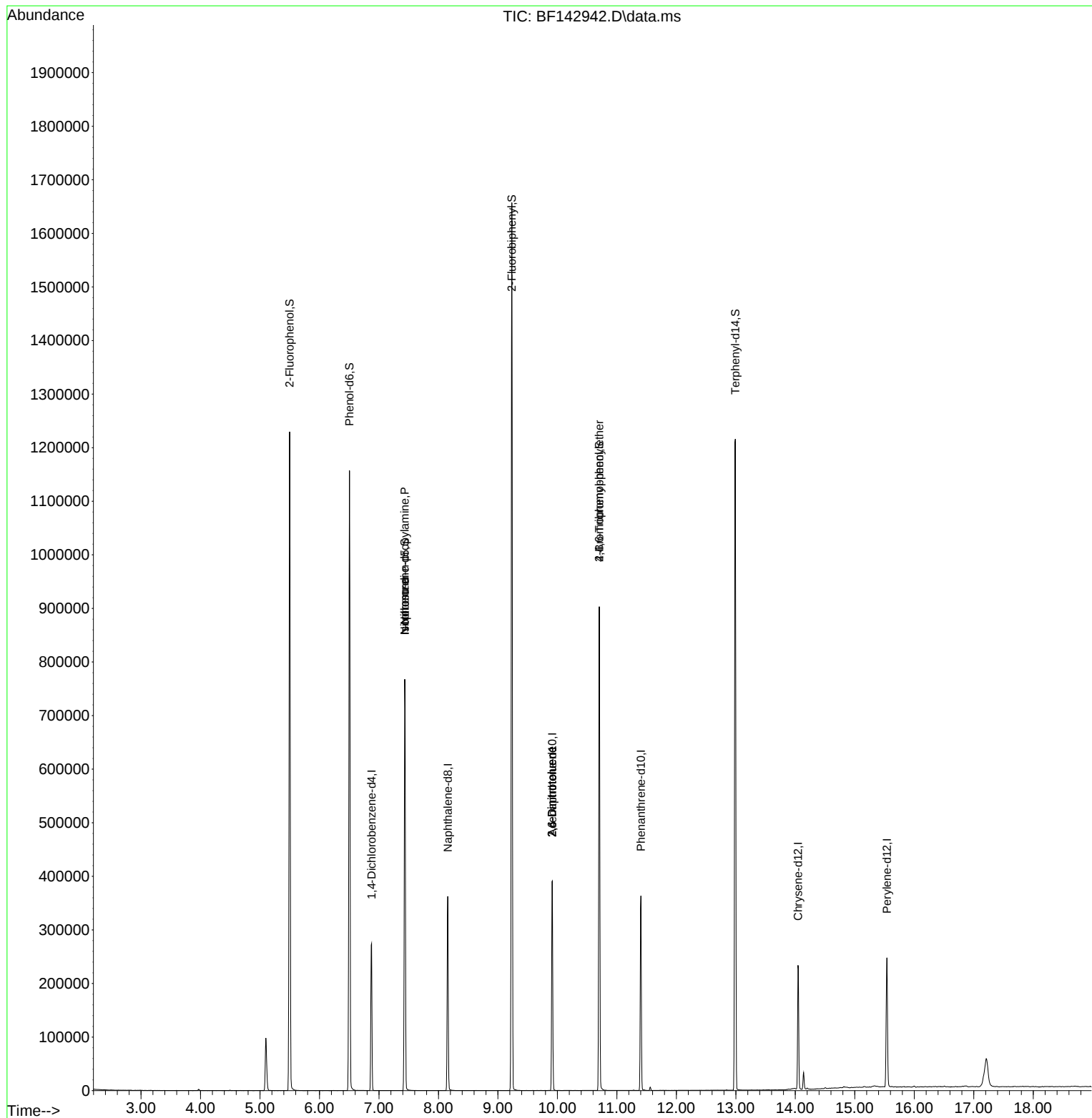
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63301	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240944	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	124742	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	196745	20.000	ng	0.00
76) Chrysene-d12	14.045	240	121645	20.000	ng	-0.01
86) Perylene-d12	15.539	264	142889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	476931	125.441	ng	0.00
7) Phenol-d6	6.504	99	562930	125.496	ng	0.00
23) Nitrobenzene-d5	7.434	82	344783	78.490	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	153941	119.922	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	759193	79.951	ng	-0.01
79) Terphenyl-d14	12.992	244	616709	70.049	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	46890	17.973	ng	# 75
25) Isophorone	7.434	82	342288	48.575	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15692	8.849	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	15692	6.662	ng	# 28
67) 4-Bromophenyl-phenylether	10.704	248	9999	4.466	ng	# 1

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

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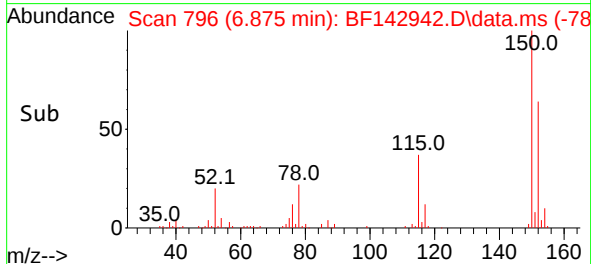
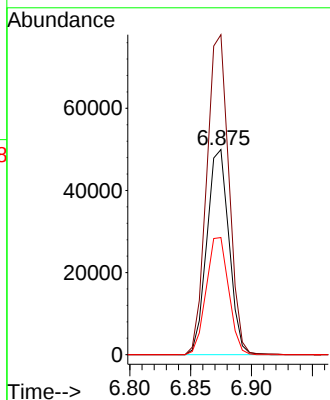
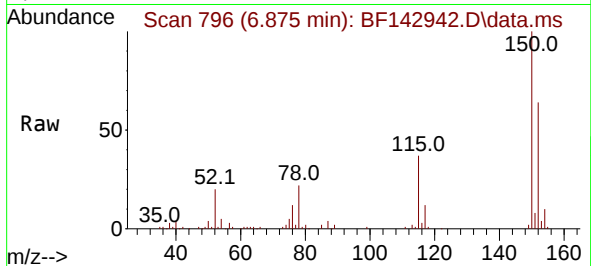




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

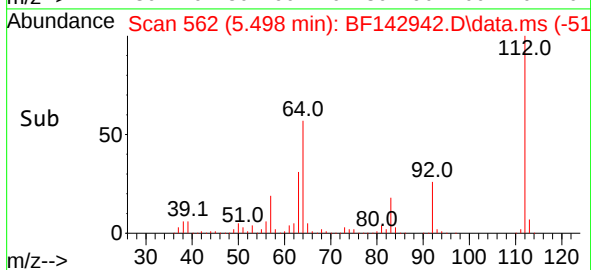
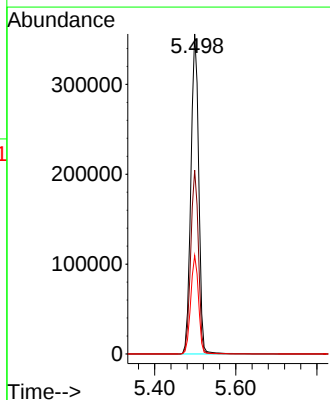
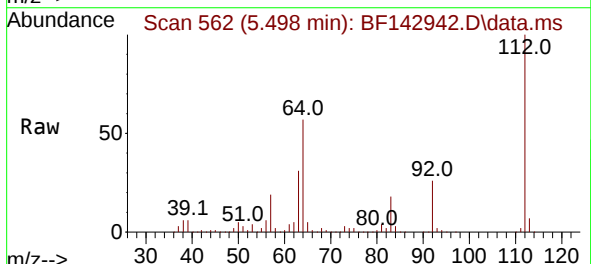
Instrument :
BNA_F
ClientSampleId :
PB168640BL

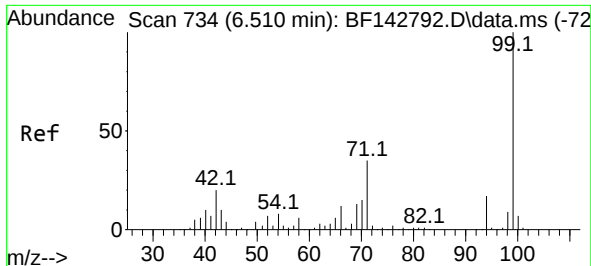
Tgt Ion:152 Resp: 63301
Ion Ratio Lower Upper
152 100
150 155.9 127.2 190.8
115 57.1 46.6 69.8



#5
2-Fluorophenol
Concen: 125.441 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

Tgt Ion:112 Resp: 476931
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.7 25.7 38.5

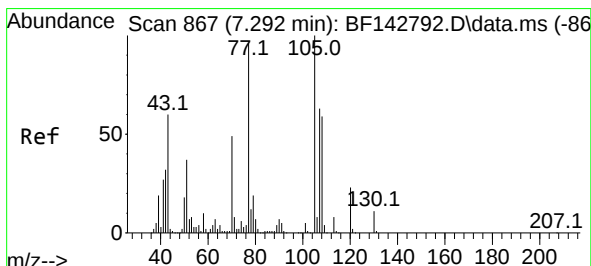
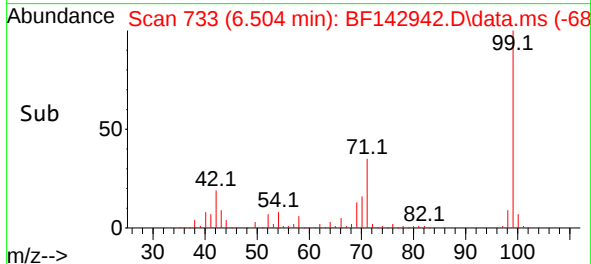
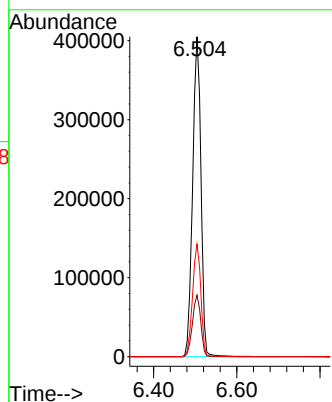
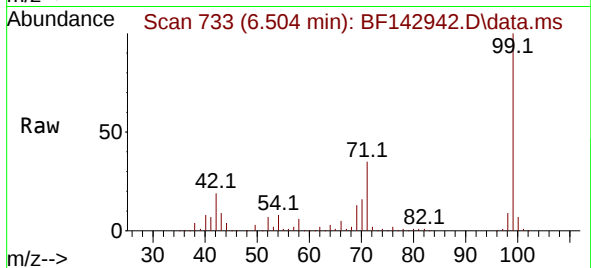




#7
Phenol-d6
Concen: 125.496 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

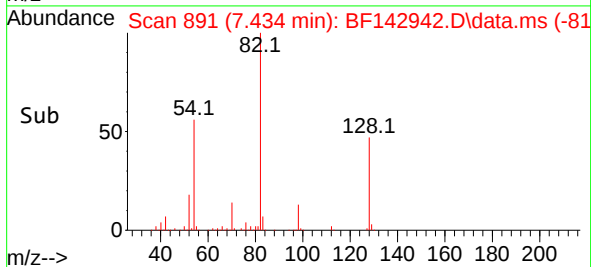
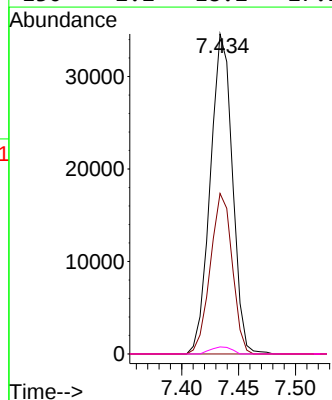
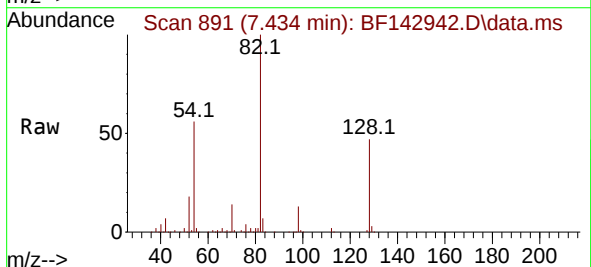
Instrument :
BNA_F
ClientSampleId :
PB168640BL

Tgt Ion: 99 Resp: 562930
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.973 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

Tgt Ion: 70 Resp: 46890
Ion Ratio Lower Upper
70 100
42 50.2 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#



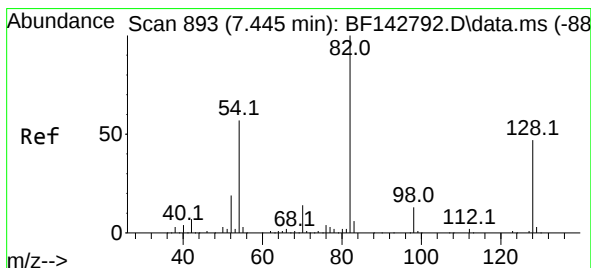
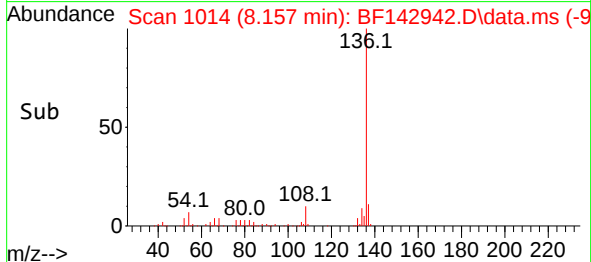
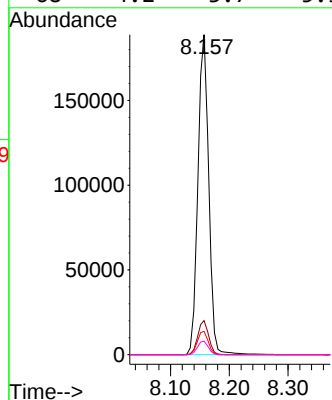
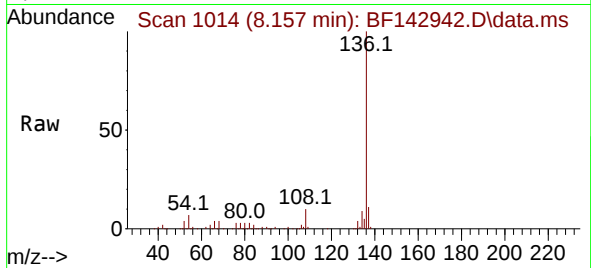


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

Instrument :
BNA_F
ClientSampleId :
PB168640BL

Tgt Ion:136 Resp: 240944

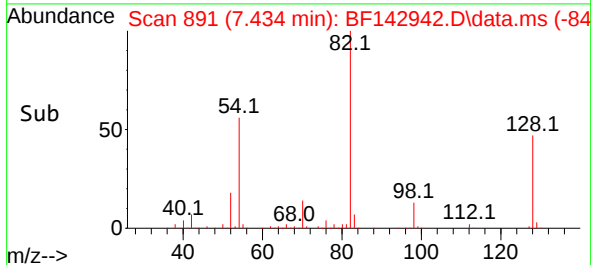
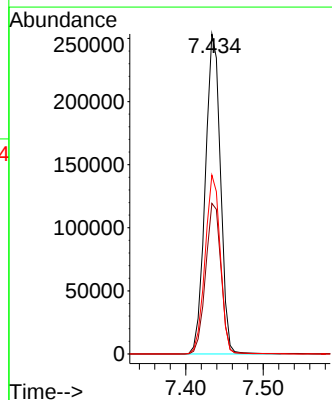
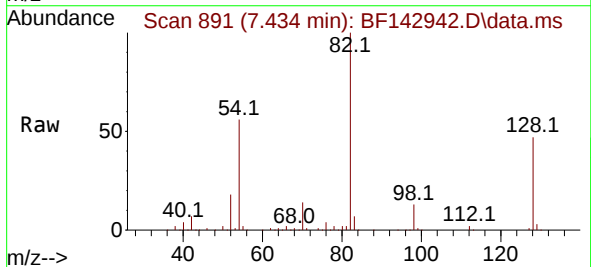
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.3	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 78.490 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

Tgt Ion: 82 Resp: 344783

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	55.9	45.7	68.5

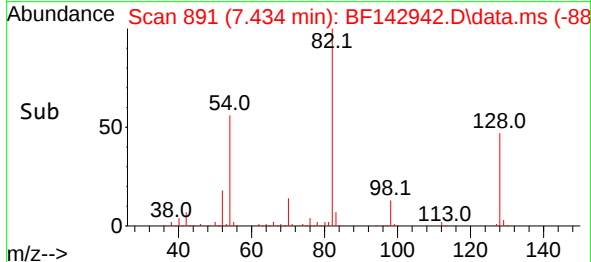
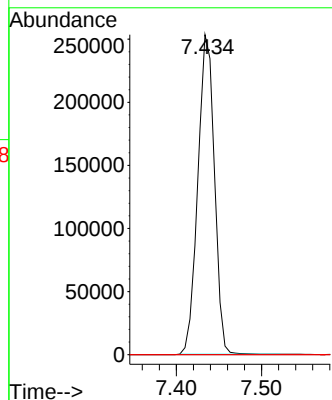
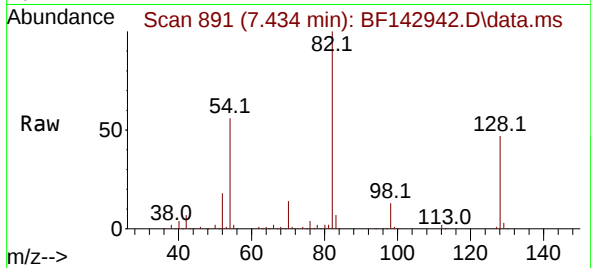




#25
Isophorone
Concen: 48.575 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

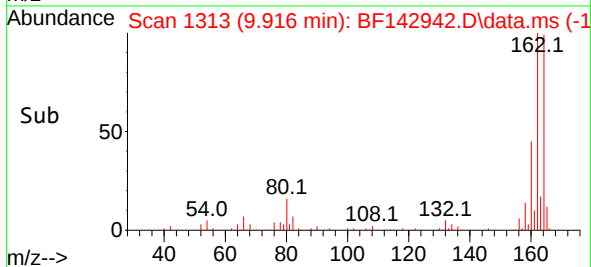
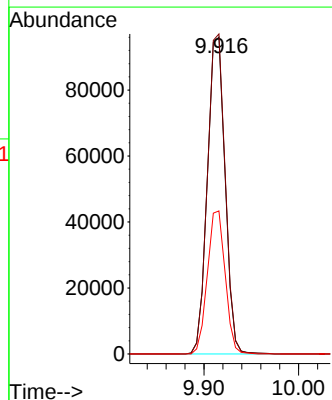
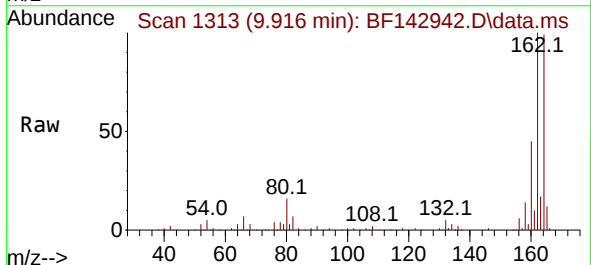
Instrument :
BNA_F
ClientSampleId :
PB168640BL

Tgt Ion: 82 Resp: 342288
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: BF142942.D
Acq: 01 Jul 2025 11:17

Tgt Ion:164 Resp: 124742
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.8
160 45.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 119.922 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142942.D

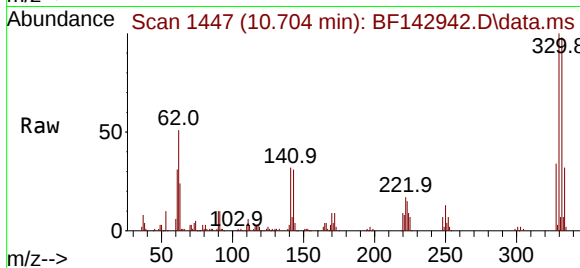
Acq: 01 Jul 2025 11:17

Instrument :

BNA_F

ClientSampleId :

PB168640BL



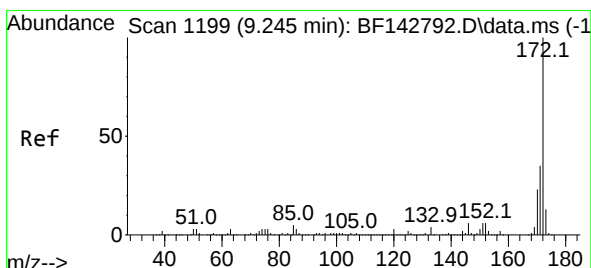
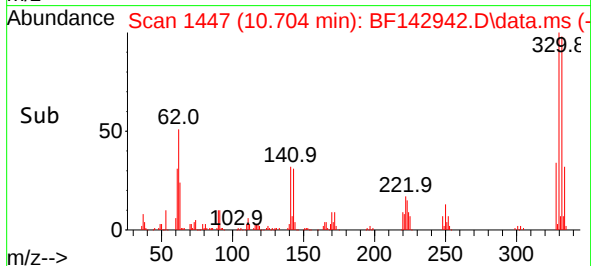
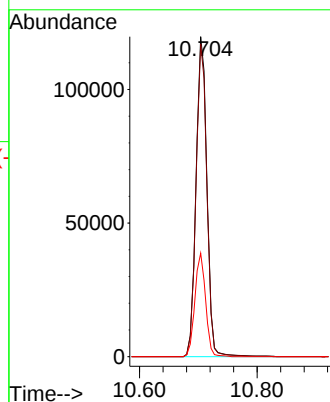
Tgt Ion:330 Resp: 153941

Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.6

141 31.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 79.951 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142942.D

Acq: 01 Jul 2025 11:17

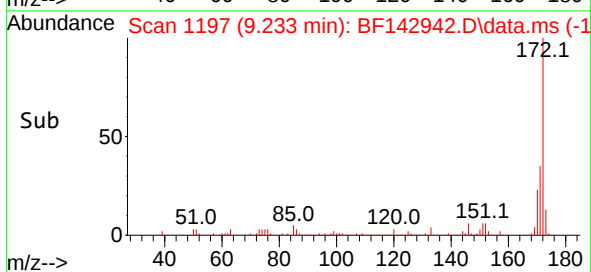
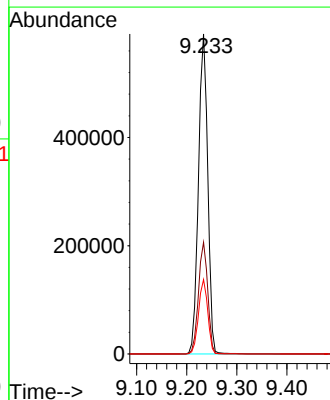
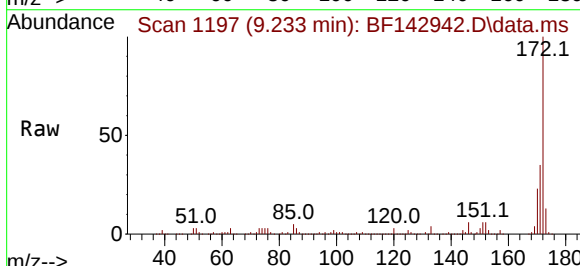
Tgt Ion:172 Resp: 759193

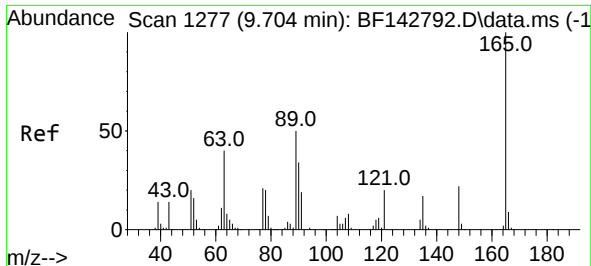
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.2 18.5 27.7

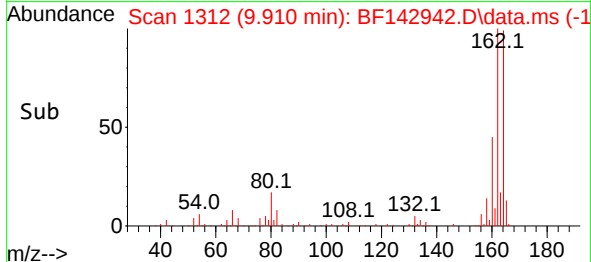
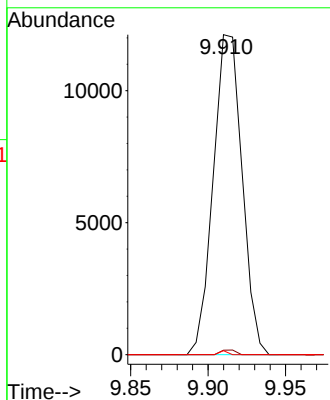
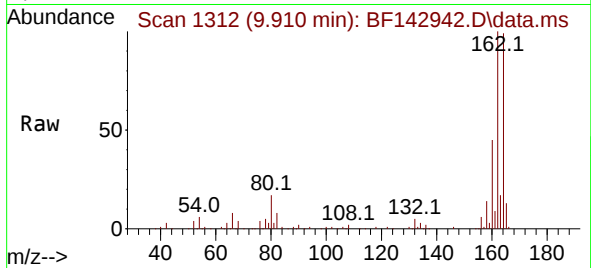




#51
2,6-Dinitrotoluene
Concen: 8.849 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

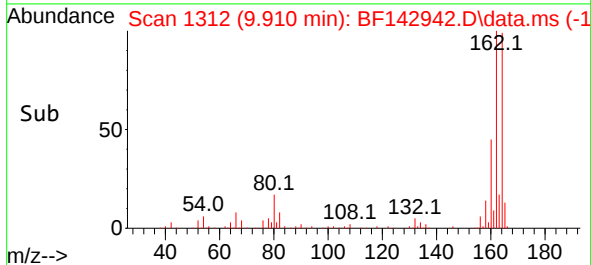
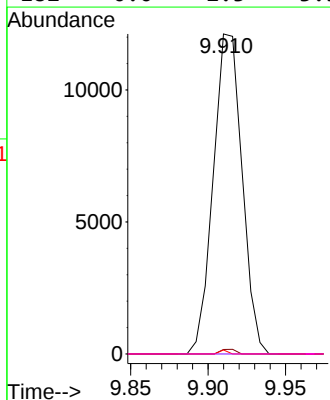
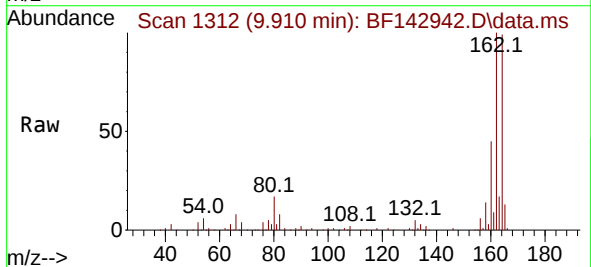
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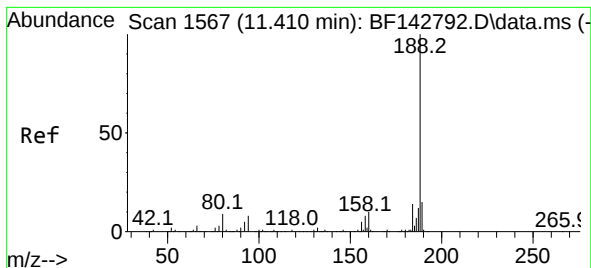
Tgt Ion:165 Resp: 15692
Ion Ratio Lower Upper
165 100
63 1.4 44.2 66.4#
89 1.2 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.662 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142942.D
Acq: 01 Jul 2025 11:17

Tgt Ion:165 Resp: 15692
Ion Ratio Lower Upper
165 100
63 1.4 33.9 50.9#
89 1.2 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: BF142942.D

Acq: 01 Jul 2025 11:17

Instrument :

BNA_F

ClientSampleId :

PB168640BL

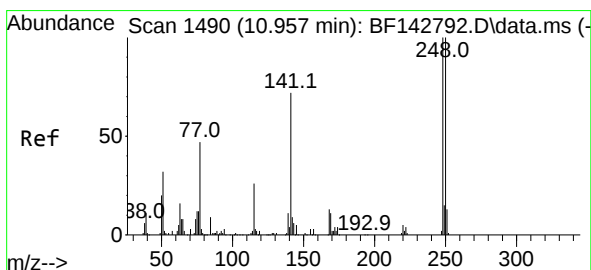
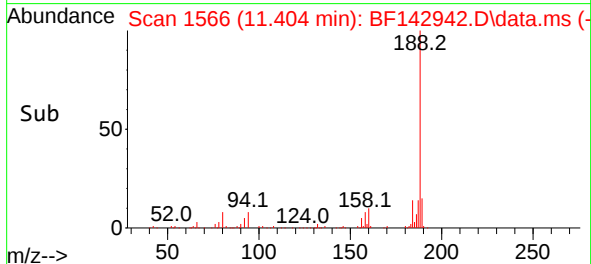
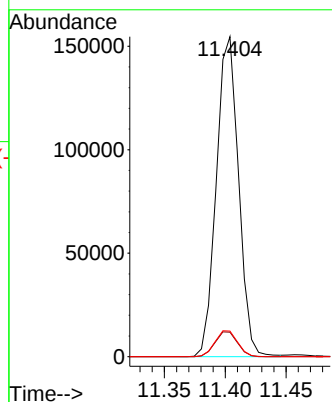
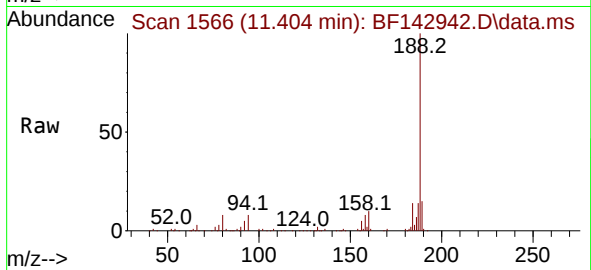
Tgt Ion:188 Resp: 196745

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 8.0 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.466 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142942.D

Acq: 01 Jul 2025 11:17

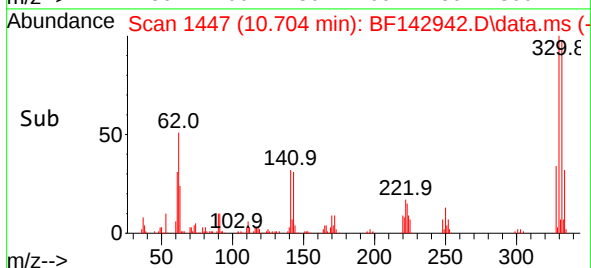
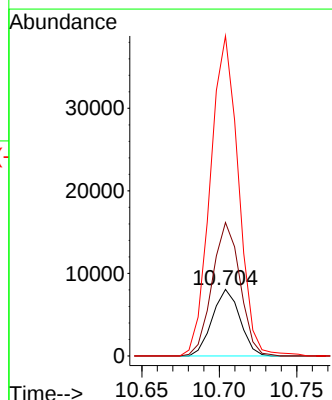
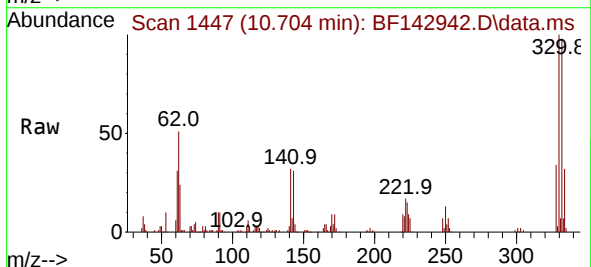
Tgt Ion:248 Resp: 9999

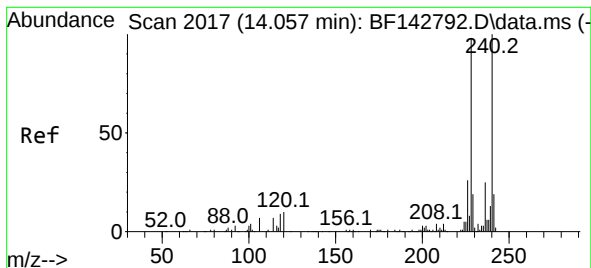
Ion Ratio Lower Upper

248 100

250 200.4 79.8 119.8#

141 480.8 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142942.D

Acq: 01 Jul 2025 11:17

Instrument :

BNA_F

ClientSampleId :

PB168640BL

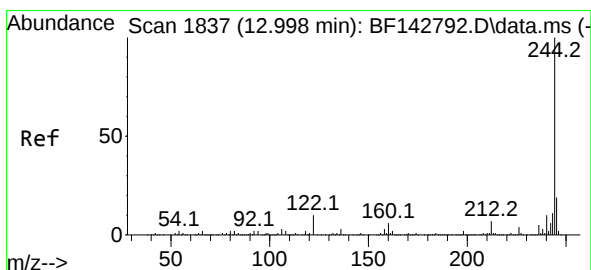
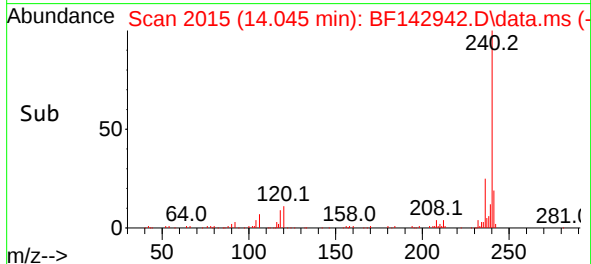
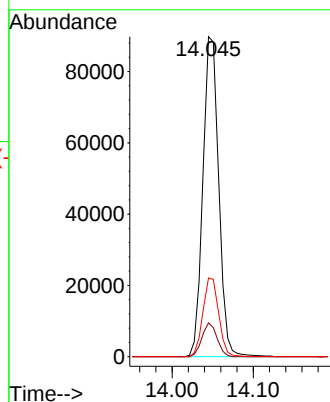
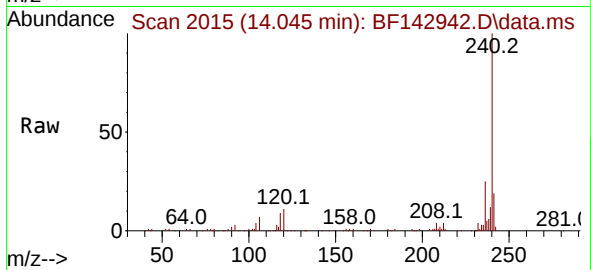
Tgt Ion:240 Resp: 121645

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 24.6 19.8 29.8



#79

Terphenyl-d14

Concen: 70.049 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142942.D

Acq: 01 Jul 2025 11:17

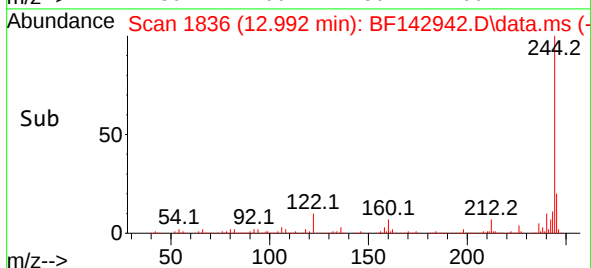
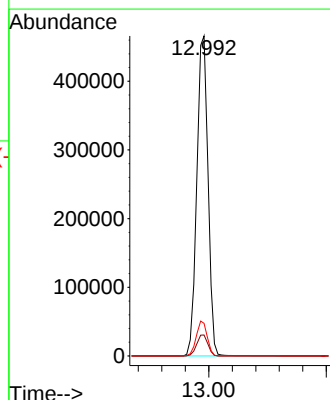
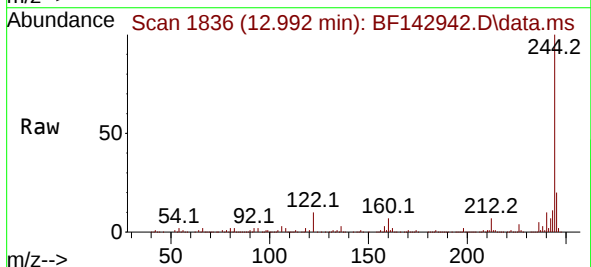
Tgt Ion:244 Resp: 616709

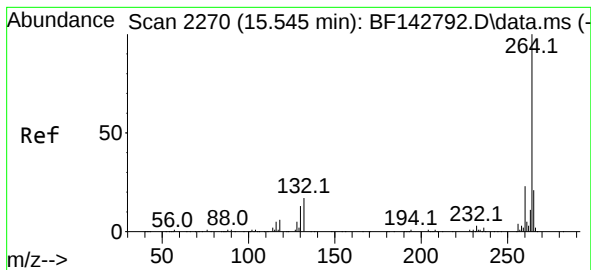
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 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: BF142942.D
 Acq: 01 Jul 2025 11:17

Instrument :
 BNA_F
 ClientSampleId :
 PB168640BL

Tgt Ion:264 Resp: 142889
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.1 27.1
 265 21.0 16.6 25.0

