

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142930.D
 Acq On : 30 Jun 2025 22:45
 Operator : RC/JU
 Sample : Q2436-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-100

Quant Time: Jul 01 01:25:50 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)

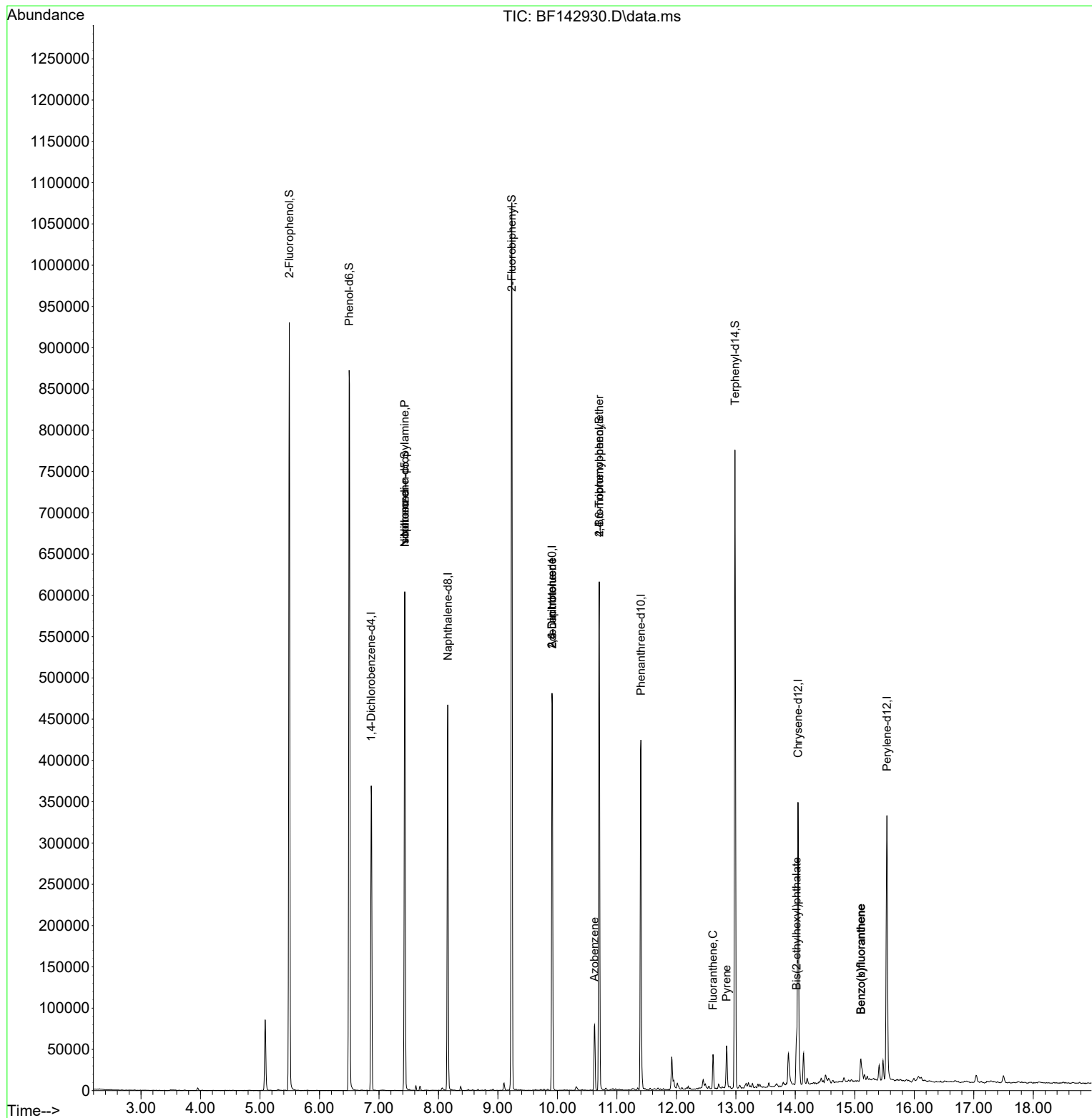
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	82922	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	301152	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	152386	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	226895	20.000	ng	0.00
76) Chrysene-d12	14.045	240	157749	20.000	ng	-0.01
86) Perylene-d12	15.539	264	189699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	354148	71.107	ng	0.00
7) Phenol-d6	6.498	99	414859	70.602	ng	-0.01
23) Nitrobenzene-d5	7.434	82	252962	46.074	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	105966	67.574	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	489476	42.196	ng	-0.01
79) Terphenyl-d14	12.986	244	366492	32.101	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	33842	9.902	ng	# 76
25) Isophorone	7.434	82	251305	28.533	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	19053	8.795	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	19053	6.622	ng	# 27
63) Azobenzene	10.622	77	19249	2.227	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6749	2.614	ng	# 1
75) Fluoranthene	12.616	202	23661	2.028	ng	98
78) Pyrene	12.845	202	31093	2.103	ng	97
84) Bis(2-ethylhexyl)phtha...	14.022	149	24391	3.952	ng	99
88) Benzo(b)fluoranthene	15.104	252	25279	2.303	ng	95
89) Benzo(k)fluoranthene	15.104	252	25279	2.462	ng	95

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

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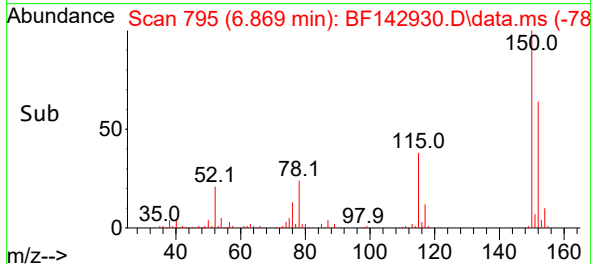
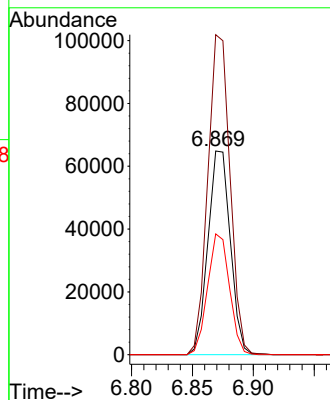
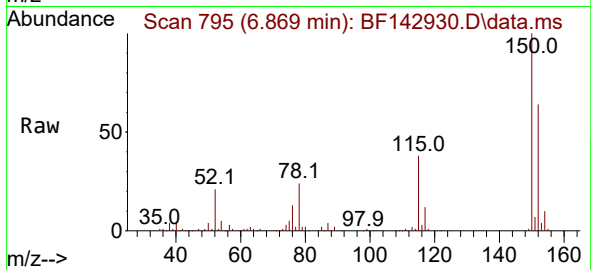




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

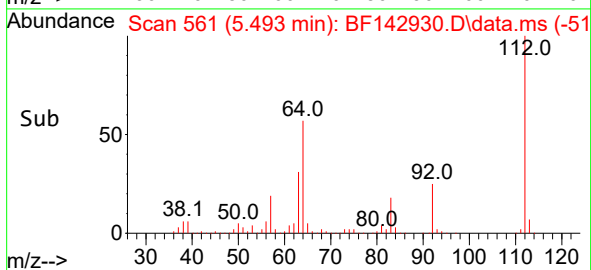
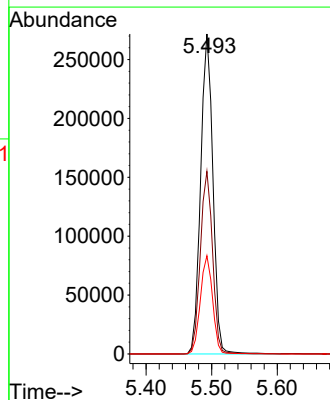
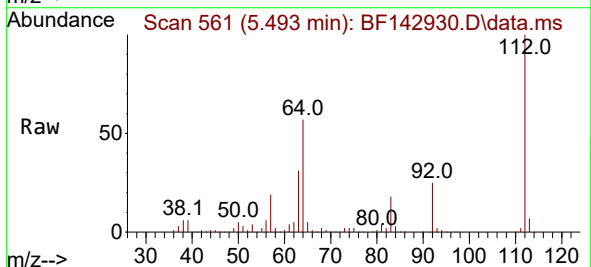
Instrument :
BNA_F
ClientSampleId :
TP-100

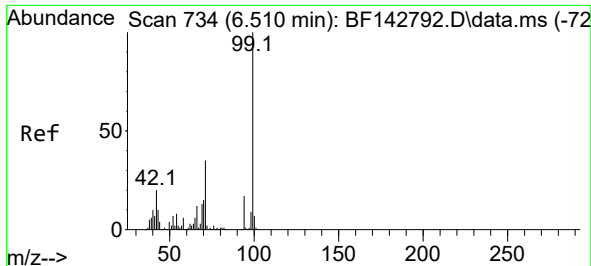
Tgt Ion:152 Resp: 82922
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 59.3 46.6 69.8



#5
2-Fluorophenol
Concen: 71.107 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:112 Resp: 354148
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.7 25.7 38.5





#7

Phenol-d6

Concen: 70.602 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100

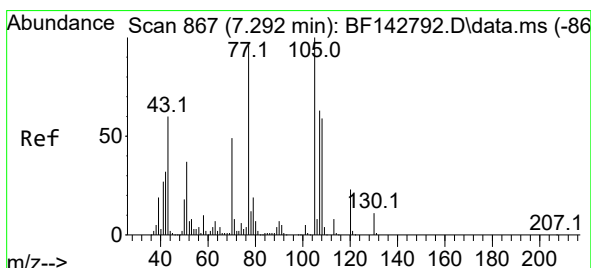
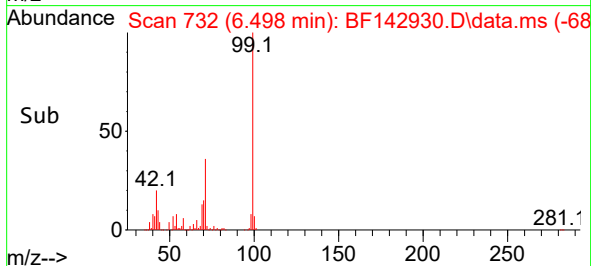
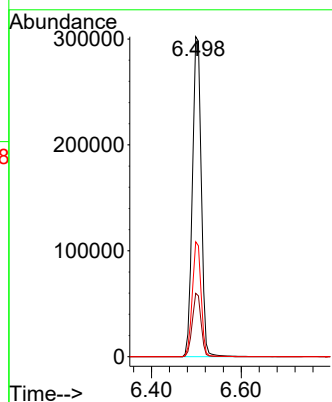
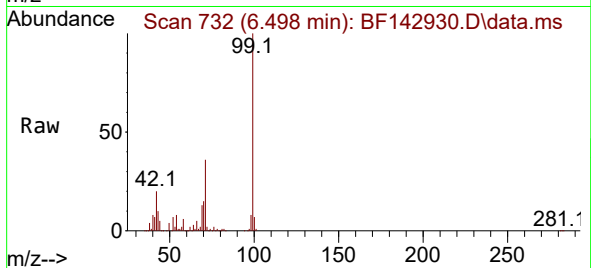
Tgt Ion: 99 Resp: 414859

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

71 35.9 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 9.902 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Tgt Ion: 70 Resp: 33842

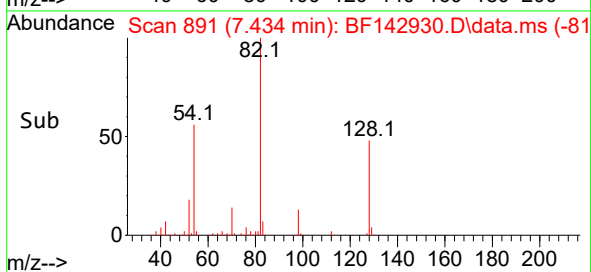
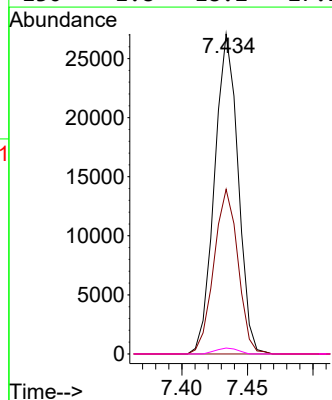
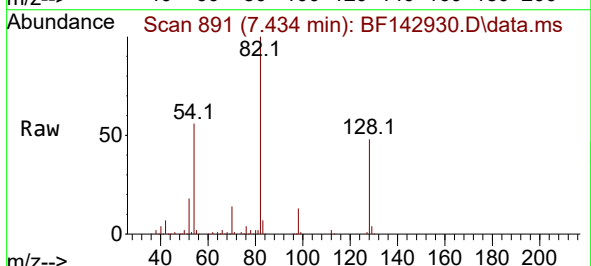
Ion Ratio Lower Upper

70 100

42 51.4 52.1 78.1#

101 0.0 8.2 12.2#

130 1.8 18.2 27.2#



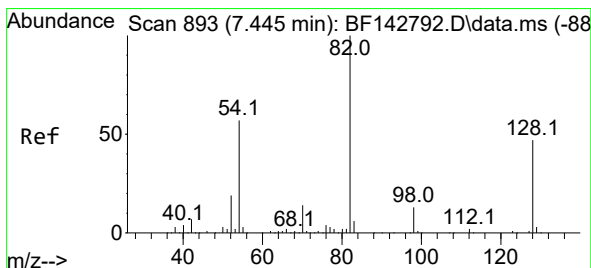
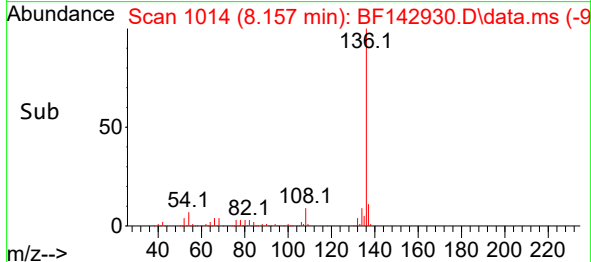
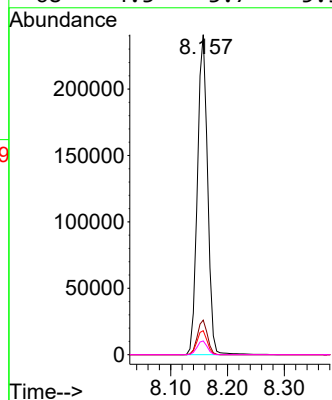
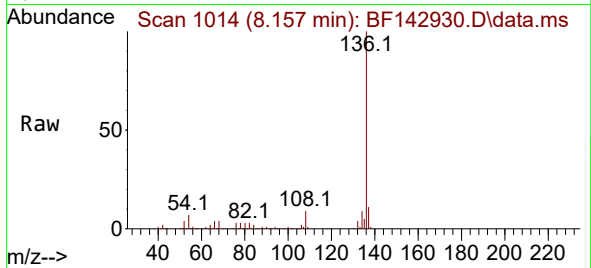


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Instrument :
BNA_F
ClientSampleId :
TP-100

Tgt Ion:136 Resp: 301152

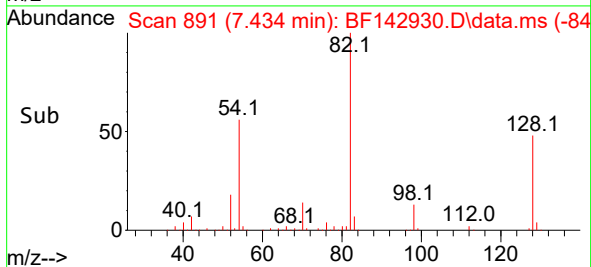
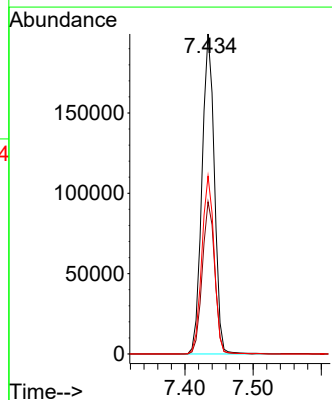
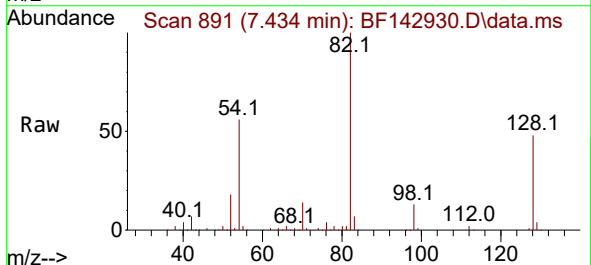
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.5	6.3	9.5
68	4.3	3.7	5.5

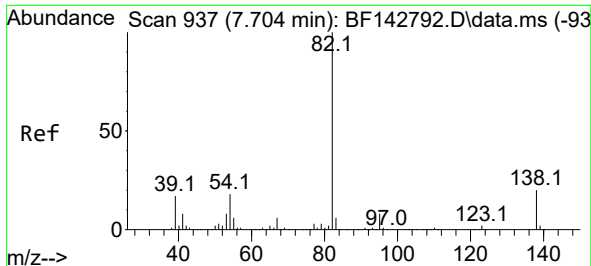


#23
Nitrobenzene-d5
Concen: 46.074 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion: 82 Resp: 252962

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.6	45.7	68.5

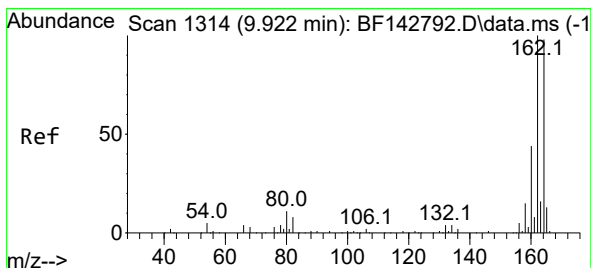
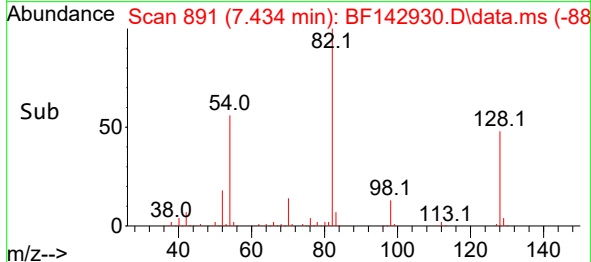
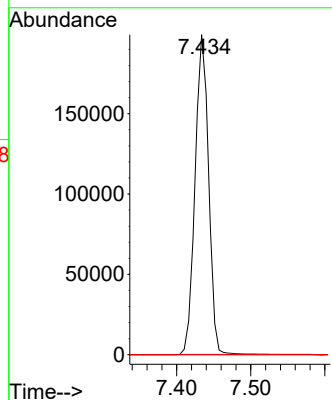
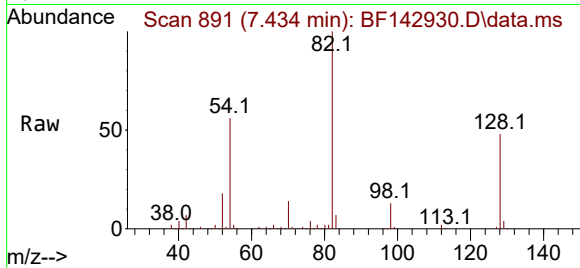




#25
Isophorone
Concen: 28.533 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

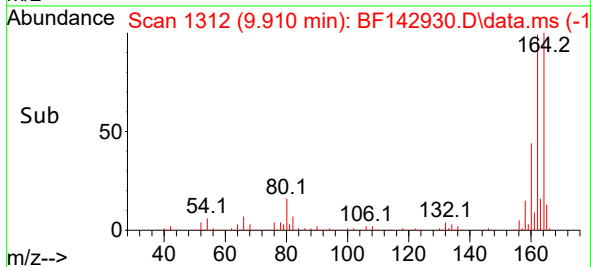
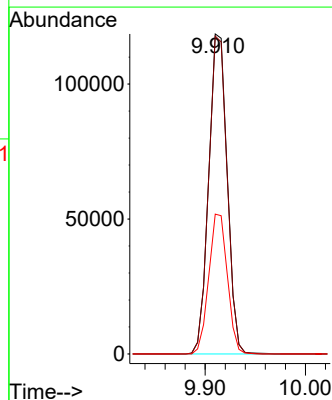
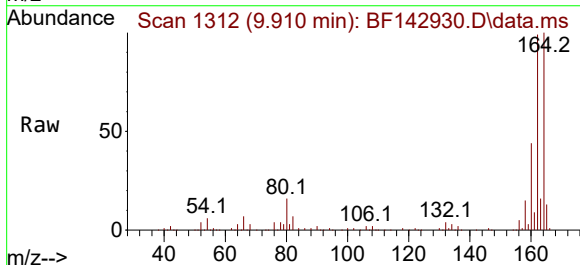
Instrument :
BNA_F
ClientSampleId :
TP-100

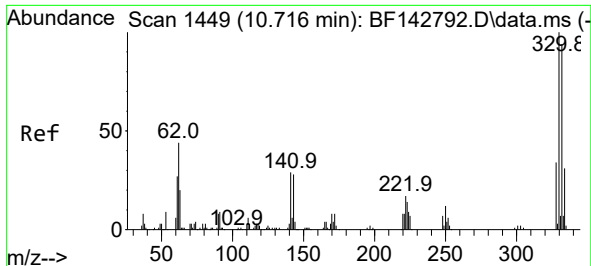
Tgt Ion: 82 Resp: 251305
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:164 Resp: 152386
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 43.7 36.0 54.0

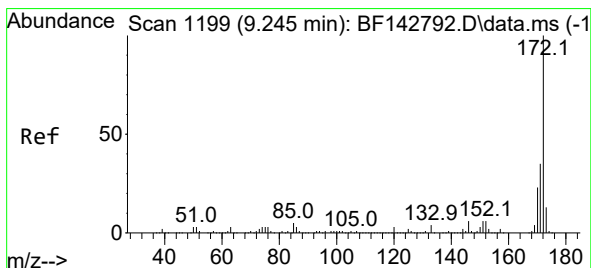
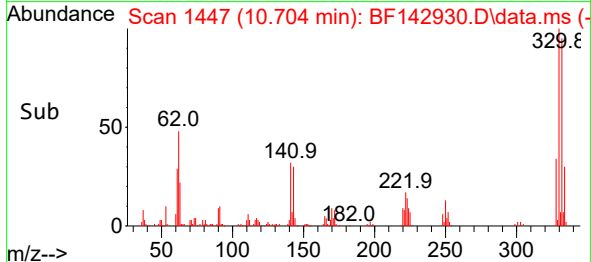
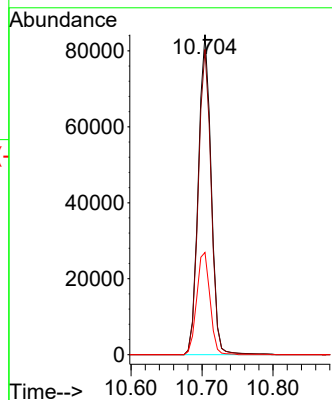
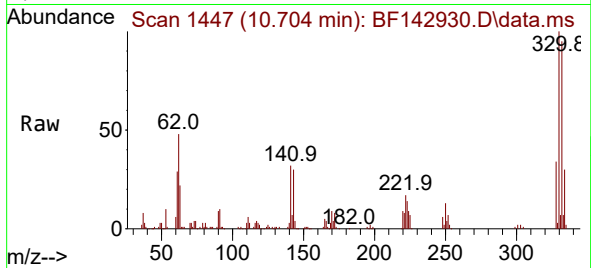




#42
2,4,6-Tribromophenol
Concen: 67.574 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

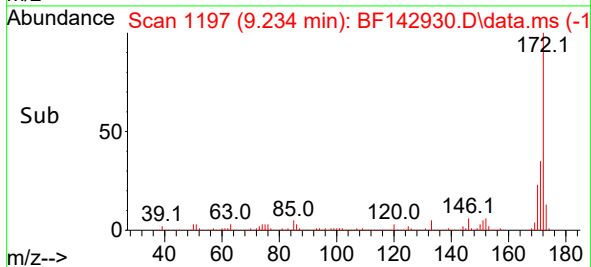
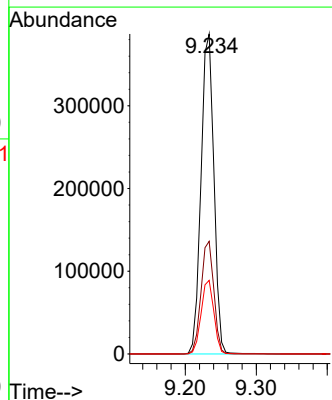
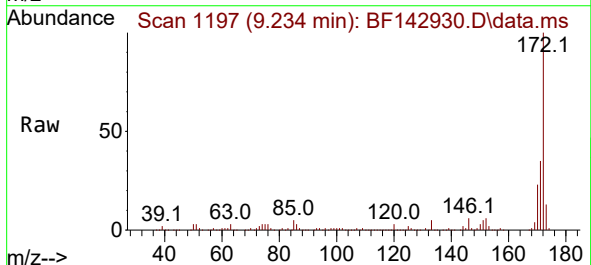
Instrument :
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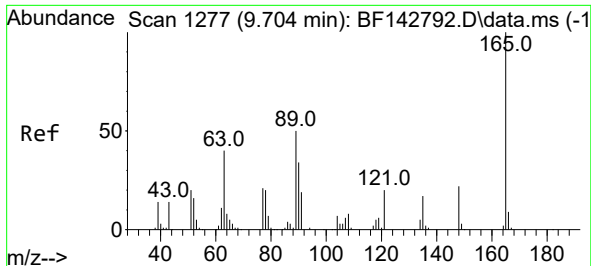
Tgt Ion:330 Resp: 105966
Ion Ratio Lower Upper
330 100
332 95.2 75.0 112.6
141 33.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 42.196 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:172 Resp: 489476
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.0 18.5 27.7

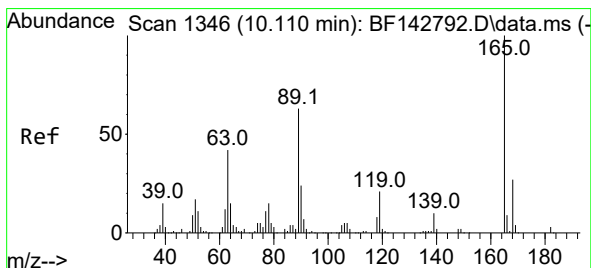
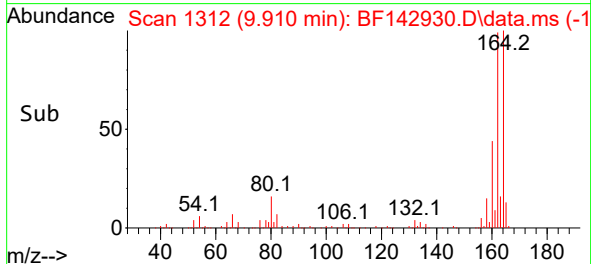
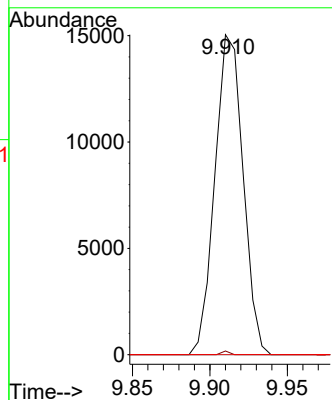
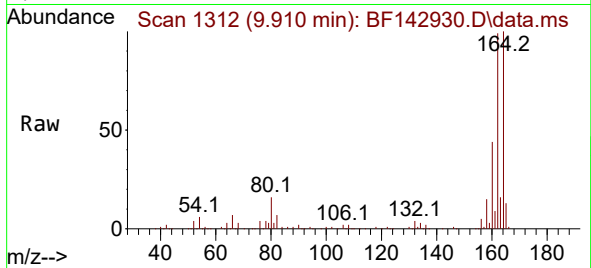




#51
2,6-Dinitrotoluene
Concen: 8.795 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

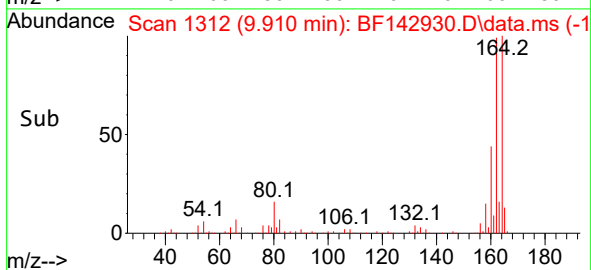
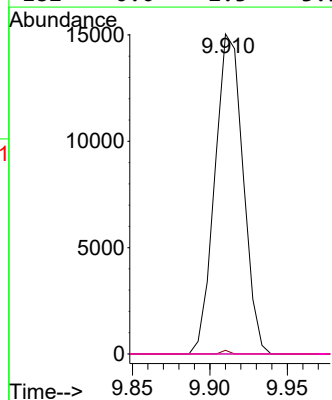
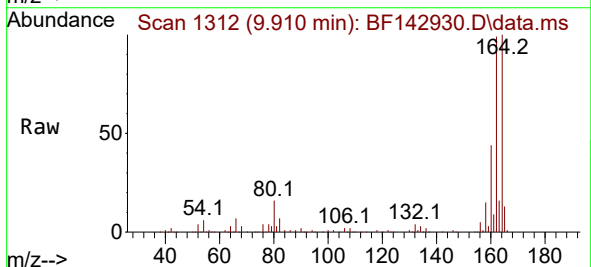
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TP-100

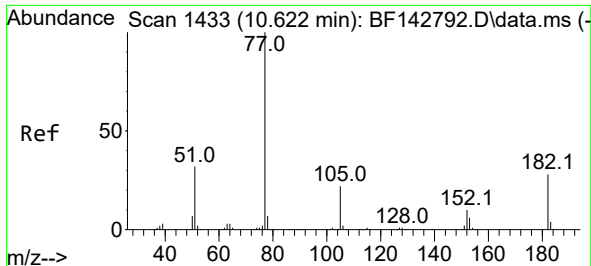
Tgt Ion:165 Resp: 19053
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.622 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:165 Resp: 19053
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

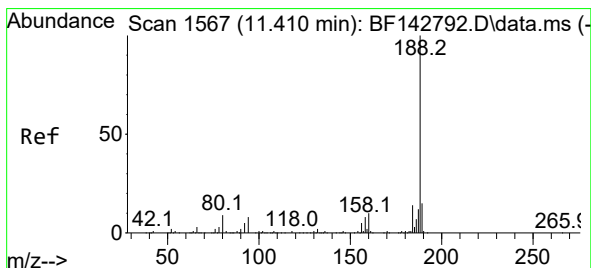
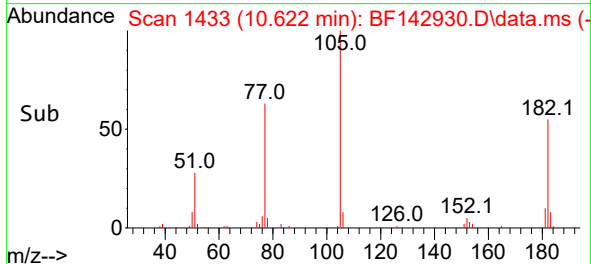
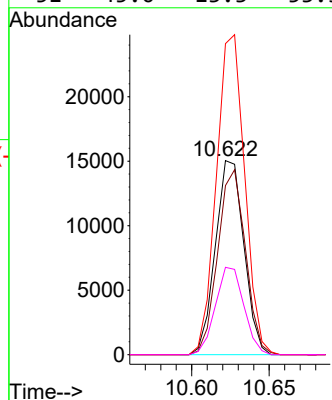
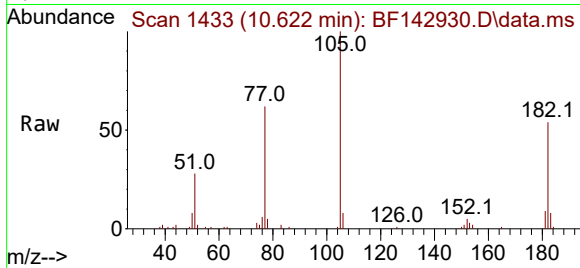




#63
Azobenzene
Concen: 2.227 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

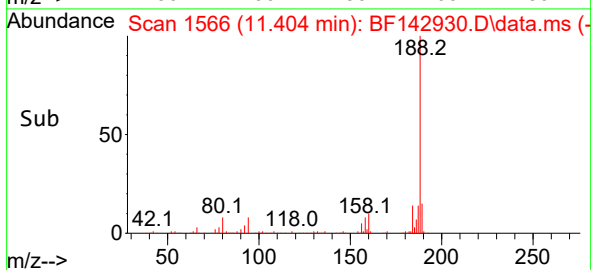
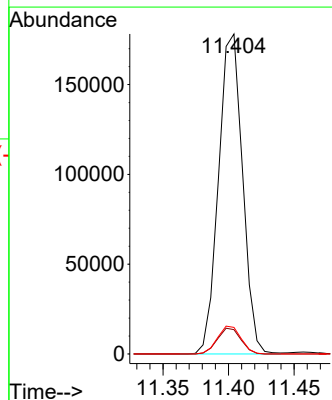
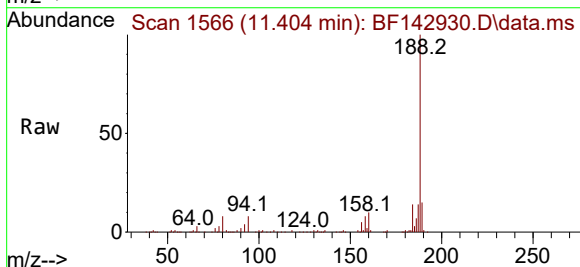
Instrument :
BNA_F
ClientSampleId :
TP-100

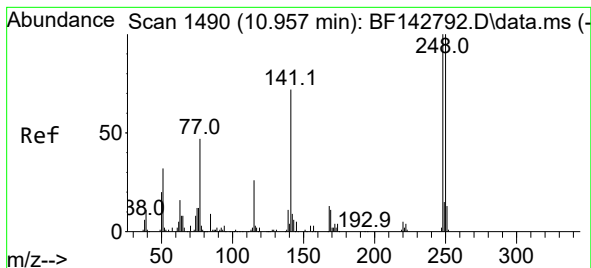
Tgt Ion: 77 Resp: 19249
Ion Ratio Lower Upper
77 100
182 87.2 7.7 47.7#
105 160.3 1.9 41.9#
51 45.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion: 188 Resp: 226895
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.3 6.9 10.3

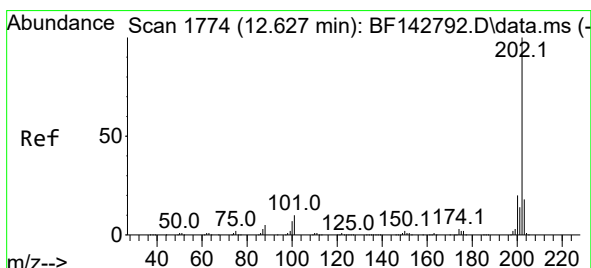
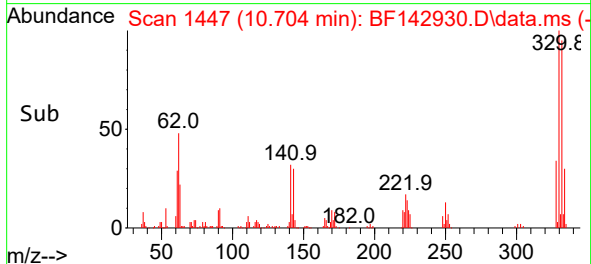
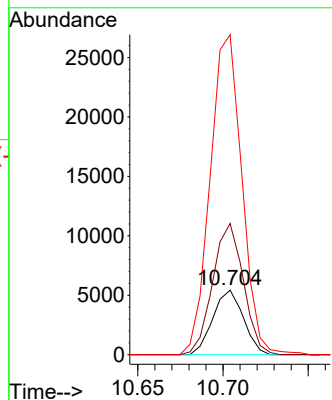
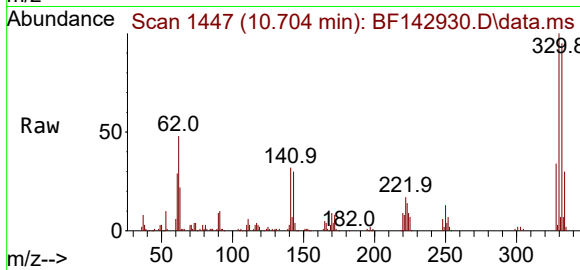




#67
4-Bromophenyl-phenylether
Concen: 2.614 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

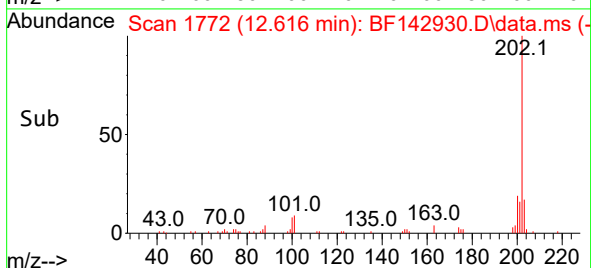
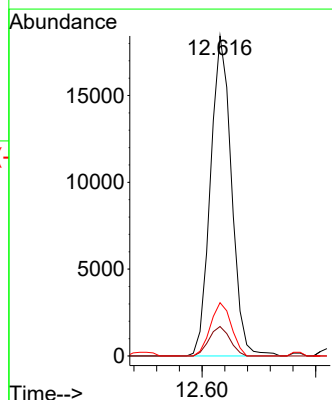
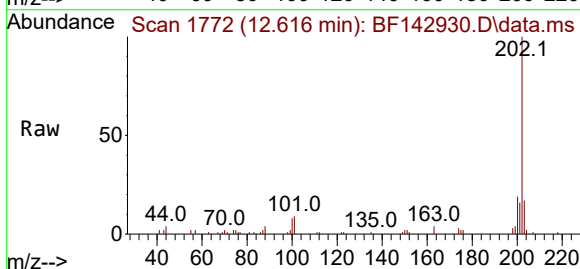
Instrument :
BNA_F
ClientSampleId :
TP-100

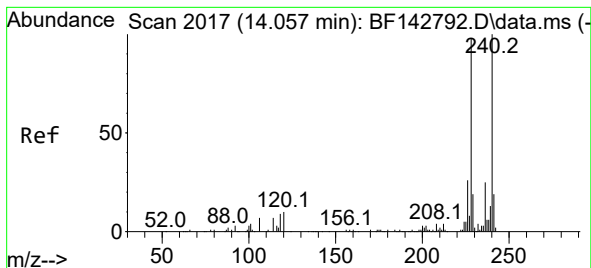
Tgt Ion:248 Resp: 6749
Ion Ratio Lower Upper
248 100
250 203.8 79.8 119.8#
141 496.8 57.8 86.6#



#75
Fluoranthene
Concen: 2.028 ng
RT: 12.616 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:202 Resp: 23661
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 16.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100

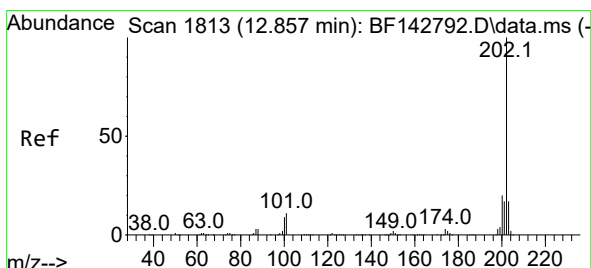
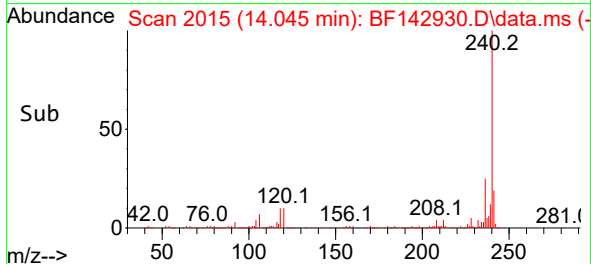
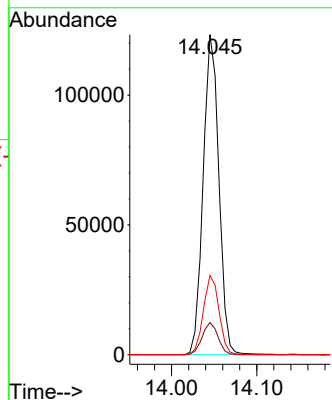
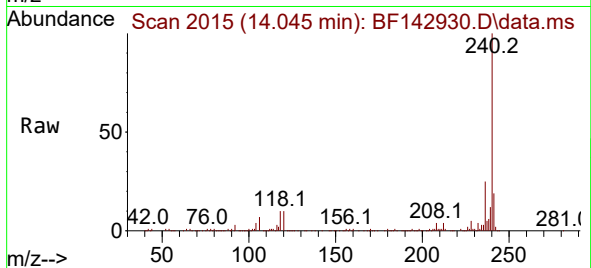
Tgt Ion:240 Resp: 157749

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.7 19.8 29.8



#78

Pyrene

Concen: 2.103 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

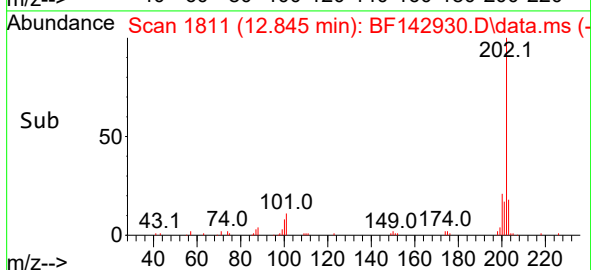
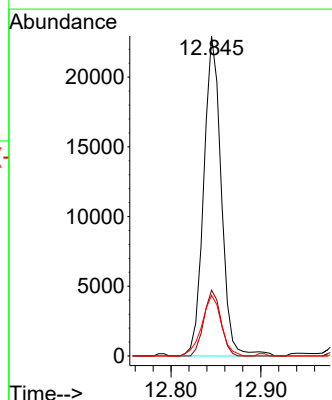
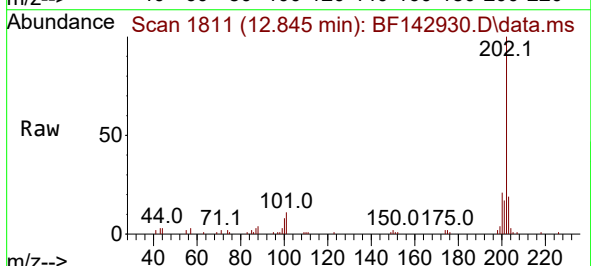
Tgt Ion:202 Resp: 31093

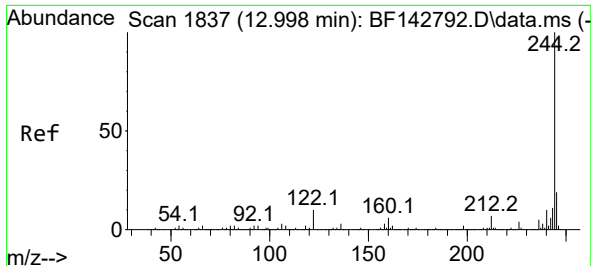
Ion Ratio Lower Upper

202 100

200 20.6 15.7 23.5

203 19.0 13.8 20.6

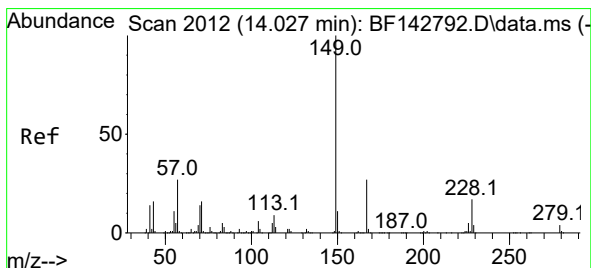
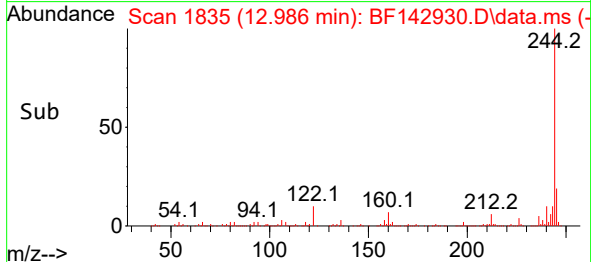
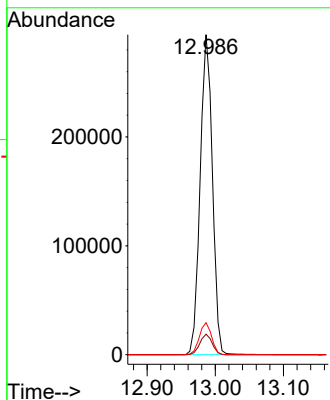
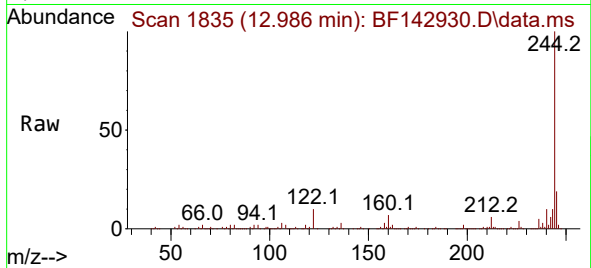




#79
 Terphenyl-d14
 Concen: 32.101 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142930.D
 Acq: 30 Jun 2025 22:45

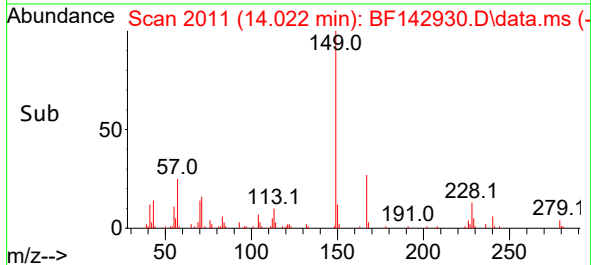
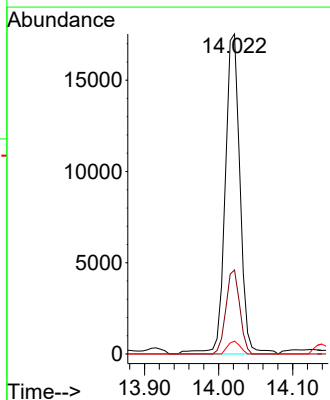
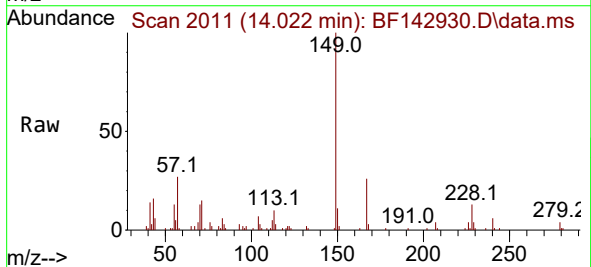
Instrument :
 BNA_F
 ClientSampleId :
 TP-100

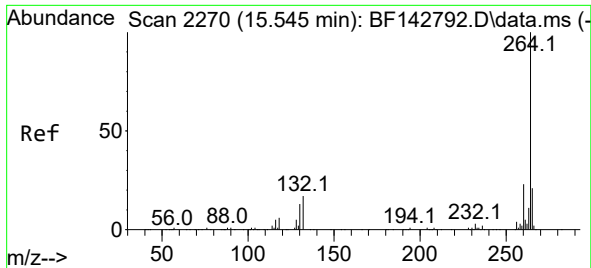
Tgt Ion:244 Resp: 366492
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.0 8.2 12.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.952 ng
 RT: 14.022 min Scan# 2011
 Delta R.T. -0.006 min
 Lab File: BF142930.D
 Acq: 30 Jun 2025 22:45

Tgt Ion:149 Resp: 24391
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.4 32.0
 279 4.0 3.0 4.6

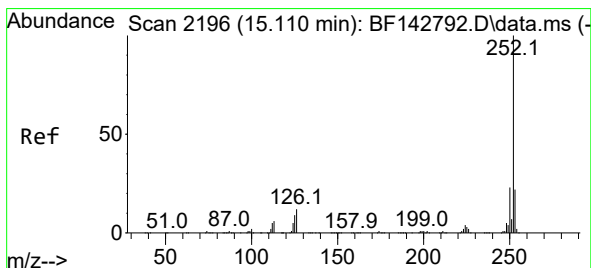
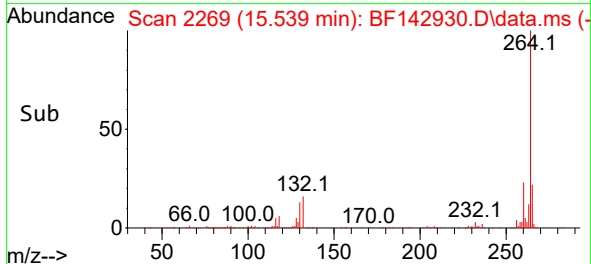
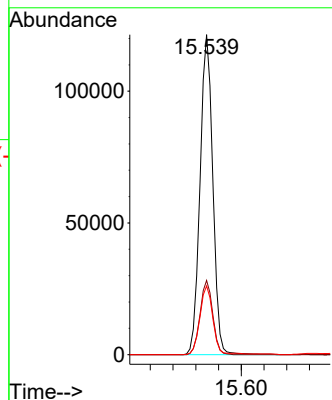
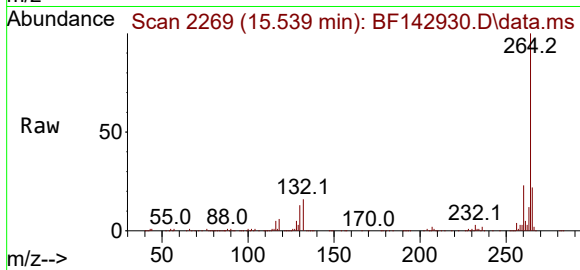




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

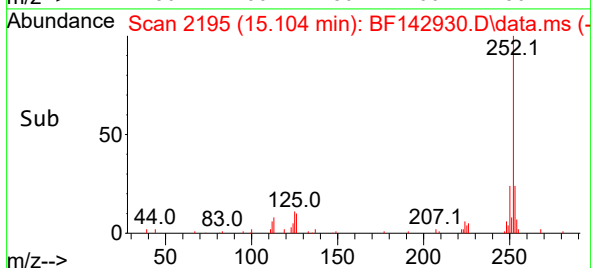
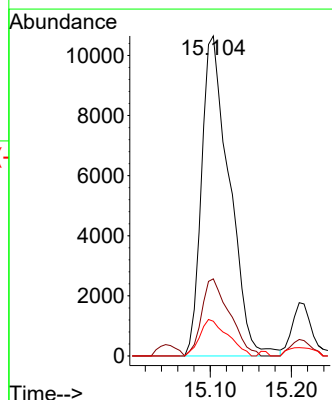
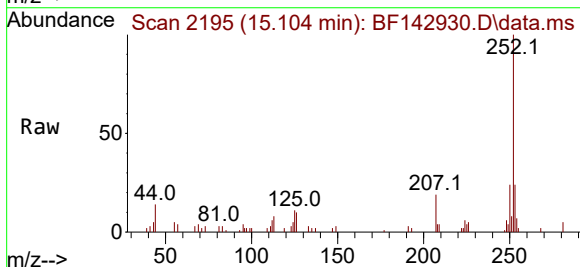
Instrument :
BNA_F
ClientSampleId :
TP-100

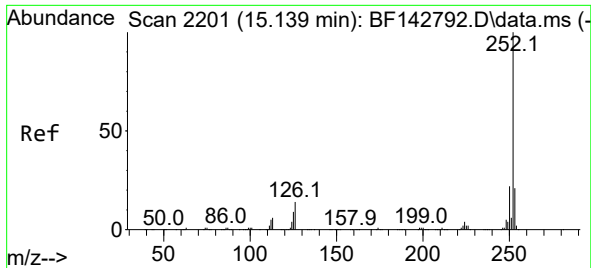
Tgt Ion:264 Resp: 189699
Ion Ratio Lower Upper
264 100
260 23.2 18.1 27.1
265 21.5 16.6 25.0



#88
Benzo(b)fluoranthene
Concen: 2.303 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:252 Resp: 25279
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 10.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 2.462 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142930.D

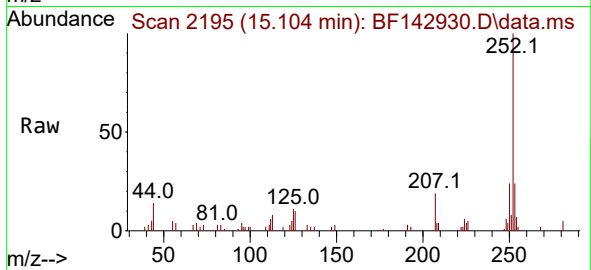
Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100



Tgt Ion:252 Resp: 25279

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 10.9 7.4 11.2

