

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142931.D
 Acq On : 30 Jun 2025 23:15
 Operator : RC/JU
 Sample : Q2436-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-82

Quant Time: Jul 01 01:26:06 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)

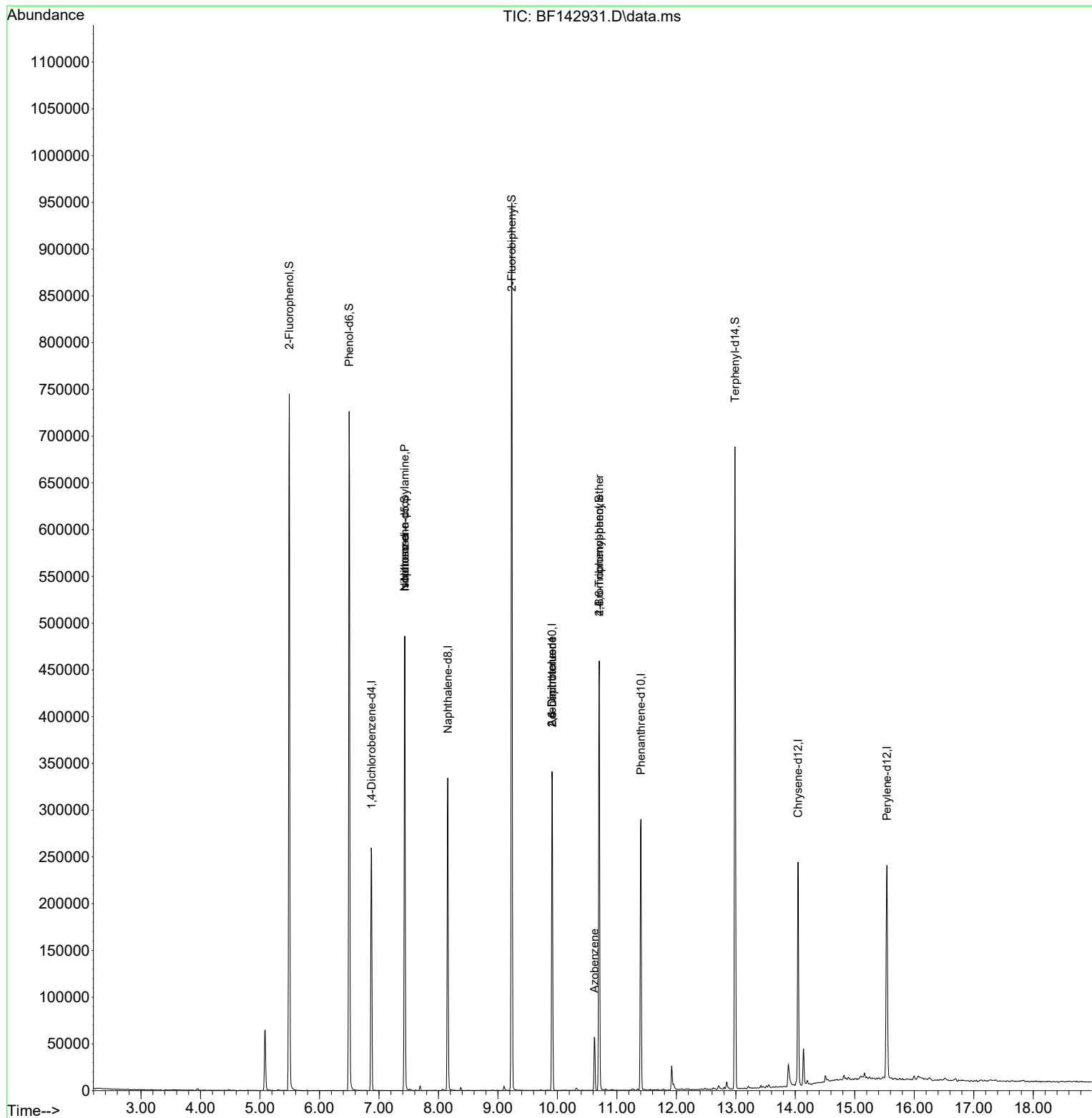
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59138	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	215117	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105121	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	158342	20.000	ng	0.00
76) Chrysene-d12	14.045	240	117784	20.000	ng	-0.01
86) Perylene-d12	15.539	264	136540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	284450	80.082	ng	0.00
7) Phenol-d6	6.498	99	330034	78.755	ng	-0.01
23) Nitrobenzene-d5	7.434	82	199809	50.948	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	80825	74.716	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	428241	53.516	ng	-0.01
79) Terphenyl-d14	12.986	244	326335	38.282	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26897	11.036	ng	# 74
25) Isophorone	7.434	82	199806	31.759	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14321	9.584	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	14321	7.215	ng	# 26
63) Azobenzene	10.622	77	14152	2.373	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5160	2.863	ng	# 1

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

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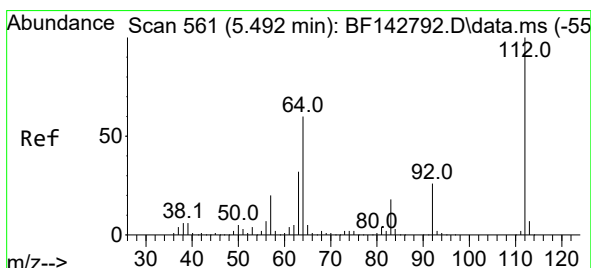
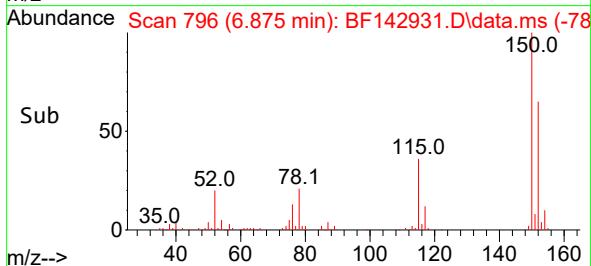
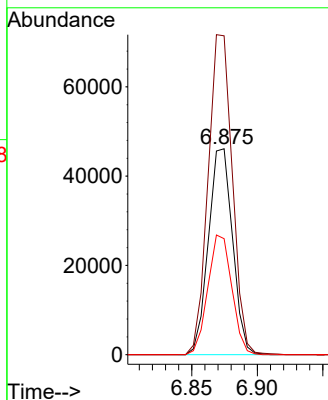
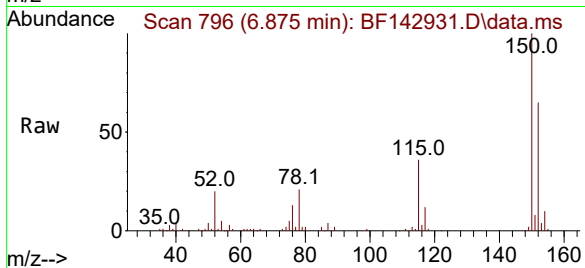




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142931.D
 Acq: 30 Jun 2025 23:15

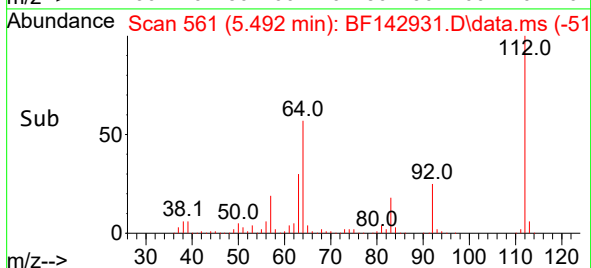
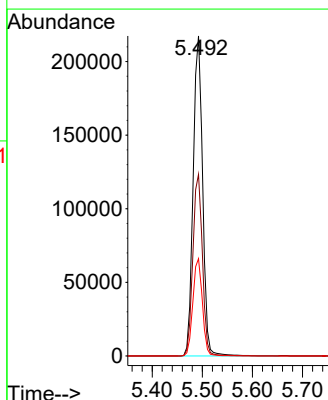
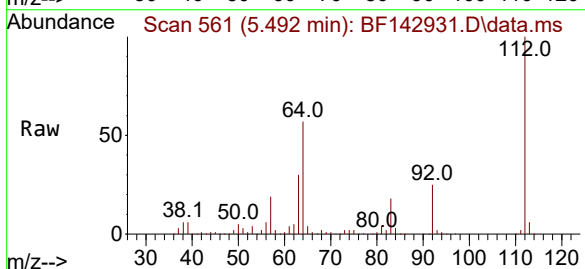
Instrument :
 BNA_F
 ClientSampleId :
 TP-82

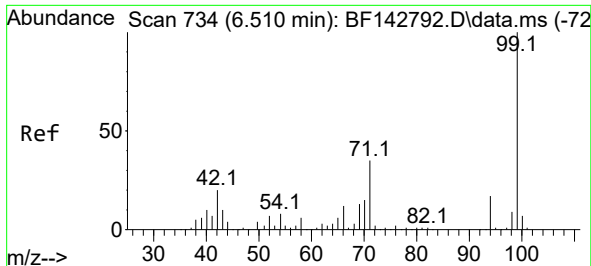
Tgt Ion:152 Resp: 59138
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.2 190.8
 115 56.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 80.082 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF142931.D
 Acq: 30 Jun 2025 23:15

Tgt Ion:112 Resp: 284450
 Ion Ratio Lower Upper
 112 100
 64 56.8 48.2 72.2
 63 30.4 25.7 38.5

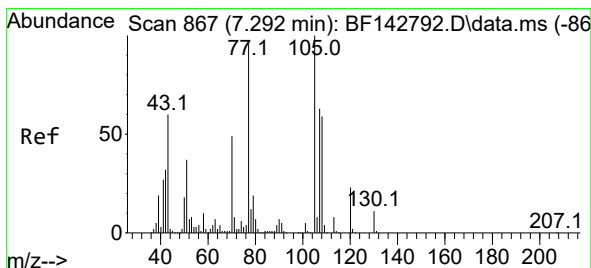
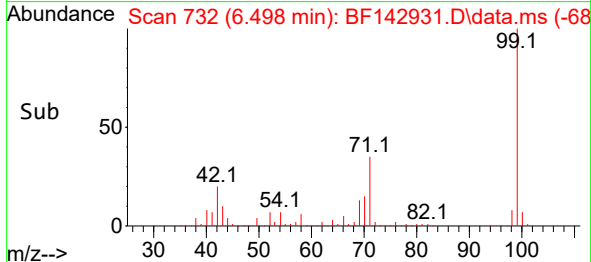
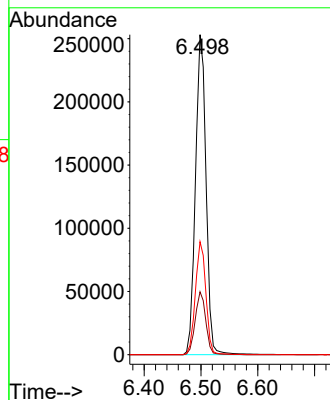
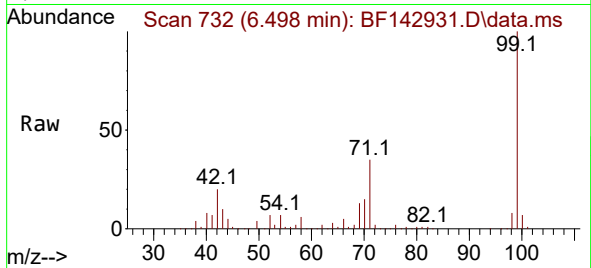




#7
Phenol-d6
Concen: 78.755 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

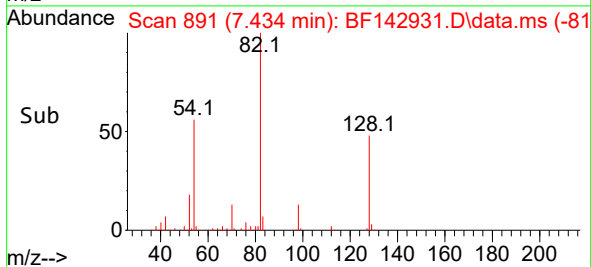
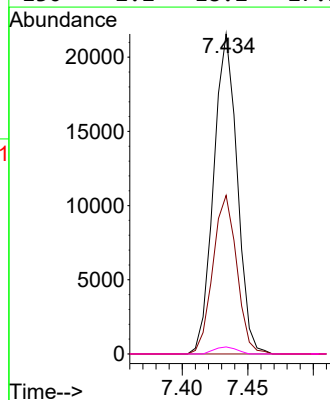
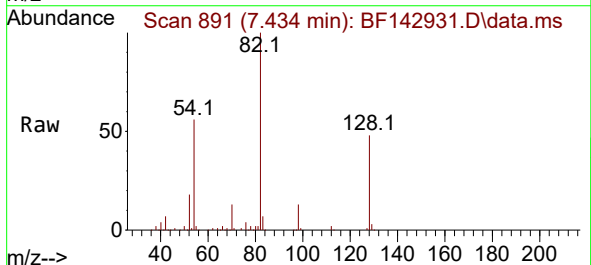
Instrument :
BNA_F
ClientSampleId :
TP-82

Tgt Ion: 99 Resp: 330034
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.036 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion: 70 Resp: 26897
Ion Ratio Lower Upper
70 100
42 49.5 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: BF142931.D

Acq: 30 Jun 2025 23:15

Instrument :

BNA_F

ClientSampleId :

TP-82

Tgt Ion:136 Resp: 215117

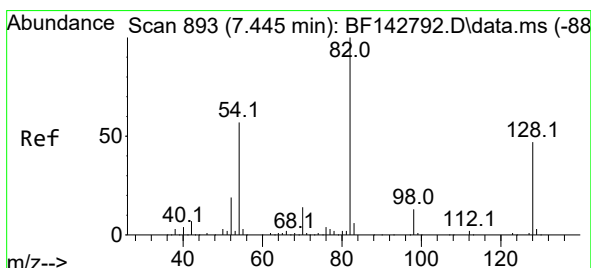
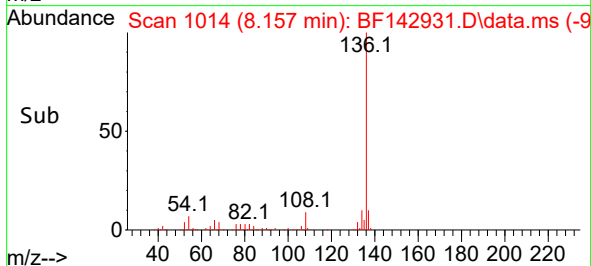
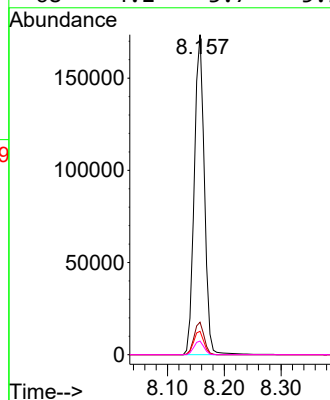
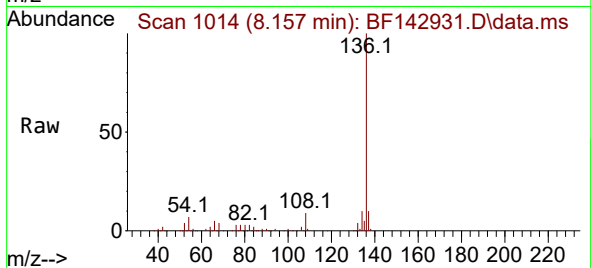
Ion Ratio Lower Upper

136 100

137 10.1 8.4 12.6

54 7.3 6.3 9.5

68 4.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 50.948 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

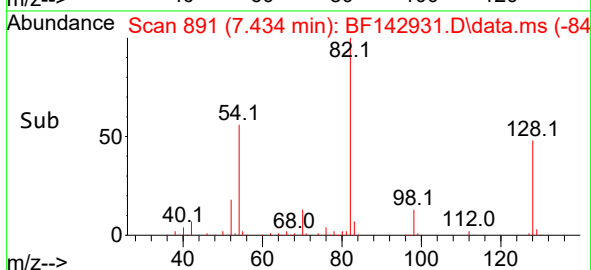
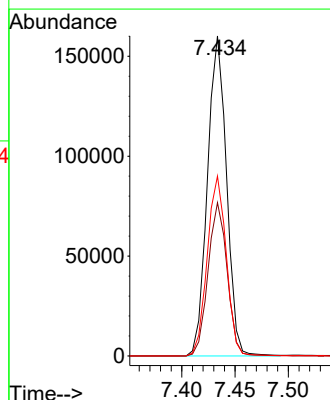
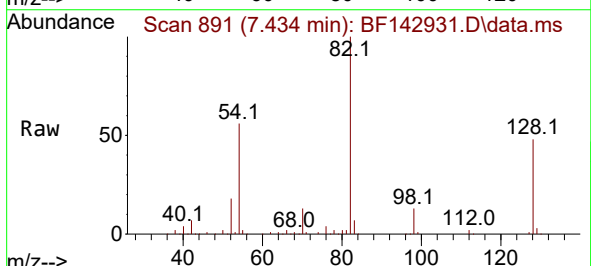
Tgt Ion: 82 Resp: 199809

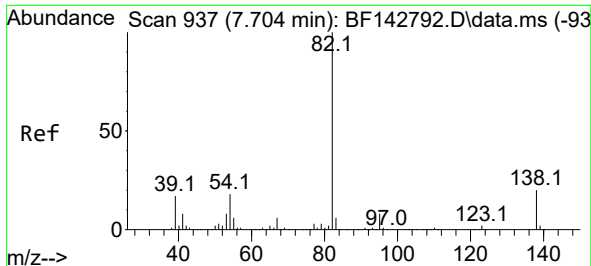
Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 56.2 45.7 68.5

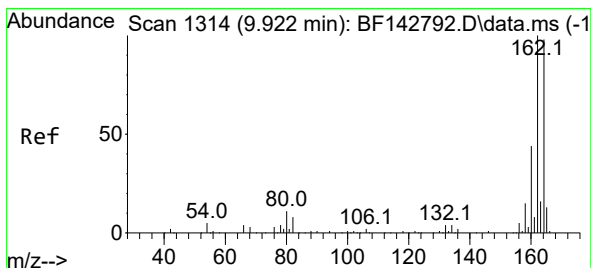
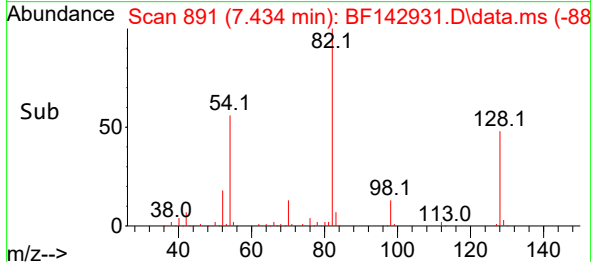
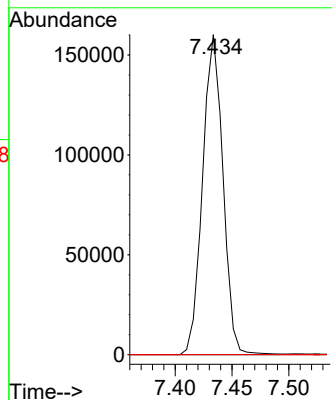
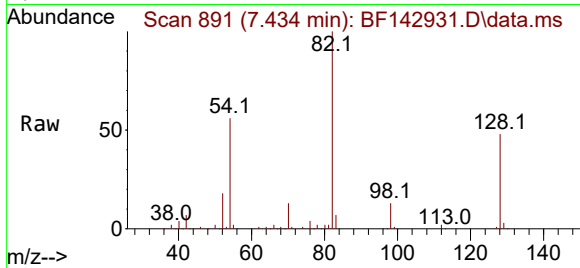




#25
Isophorone
Concen: 31.759 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

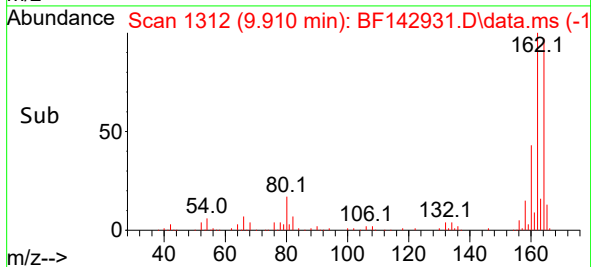
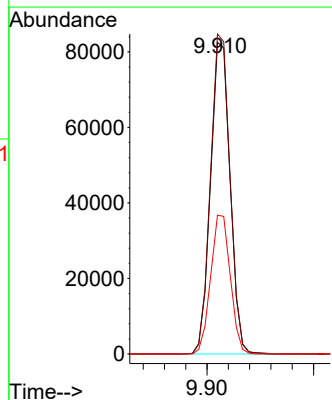
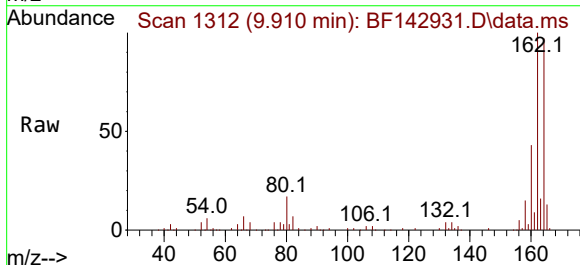
Instrument :
BNA_F
ClientSampleId :
TP-82

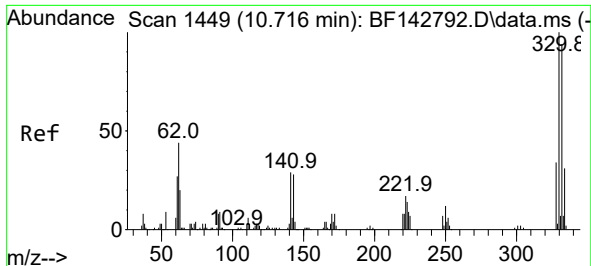
Tgt Ion: 82 Resp: 199806
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion:164 Resp: 105121
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.8
160 44.5 36.0 54.0

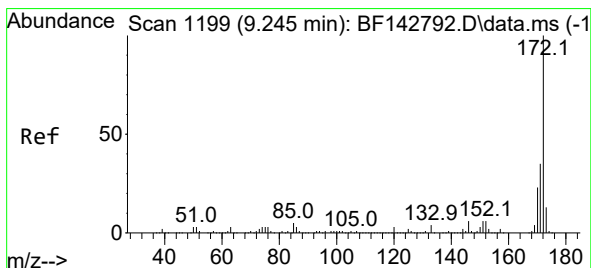
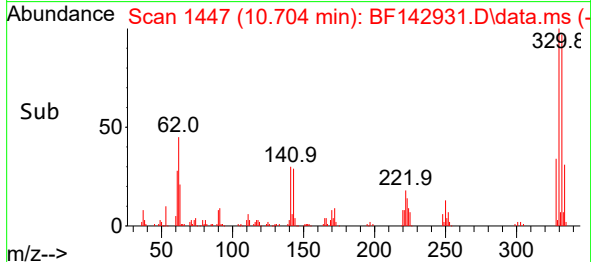
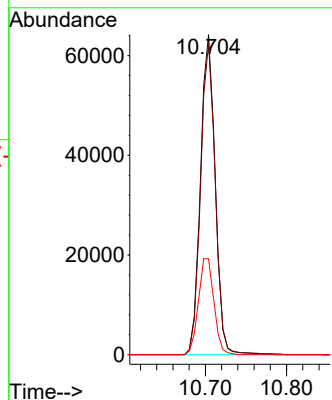
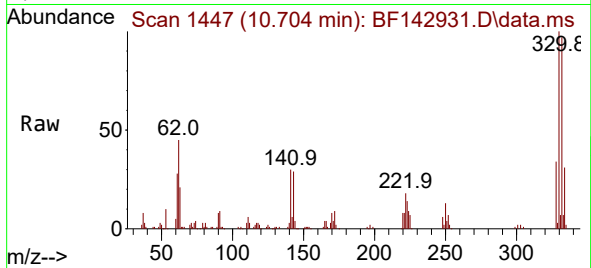




#42
2,4,6-Tribromophenol
Concen: 74.716 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

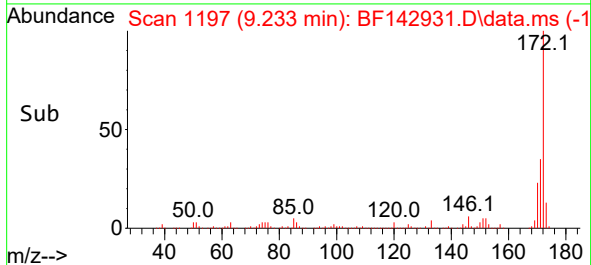
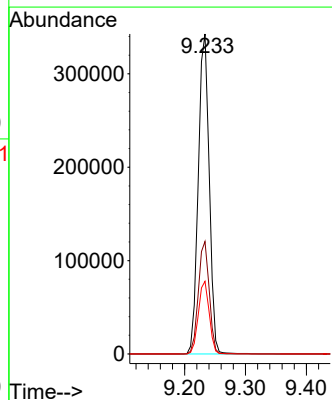
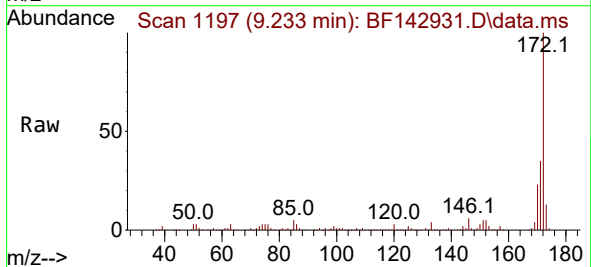
Instrument :
BNA_F
ClientSampleId :
TP-82

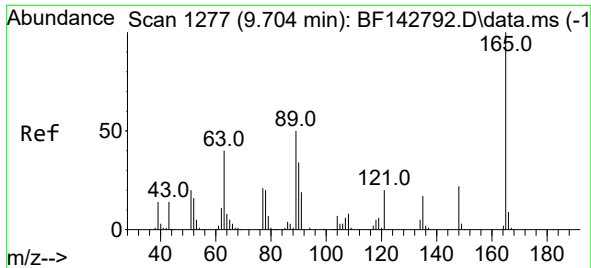
Tgt Ion: 330 Resp: 80825
Ion Ratio Lower Upper
330 100
332 97.3 75.0 112.6
141 31.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 53.516 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion: 172 Resp: 428241
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.7 18.5 27.7

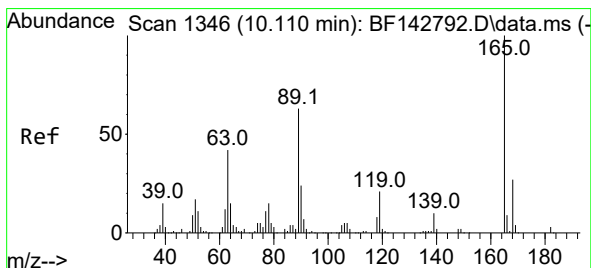
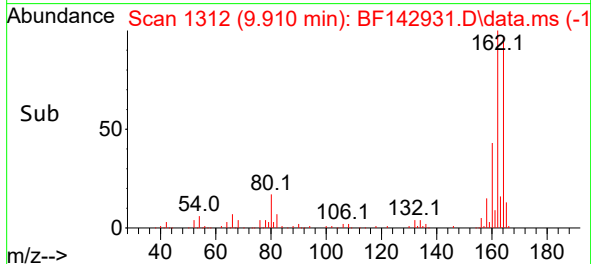
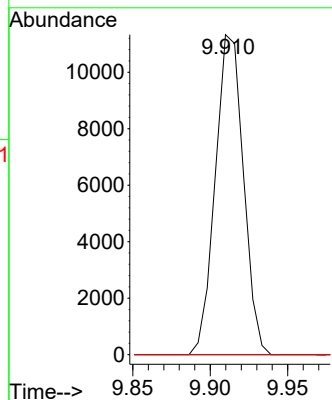
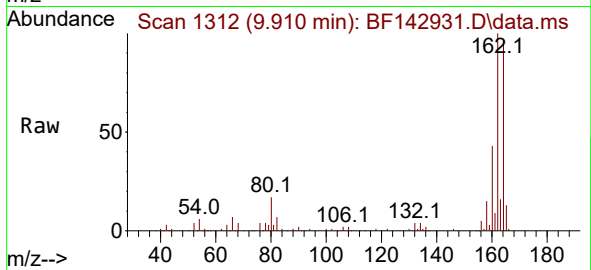




#51
2,6-Dinitrotoluene
Concen: 9.584 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

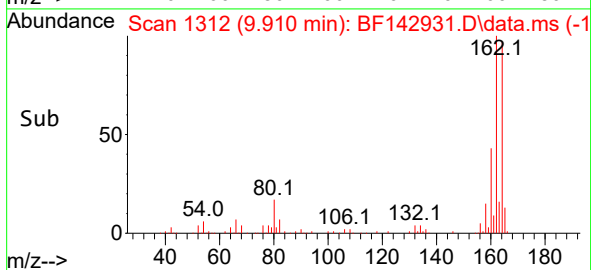
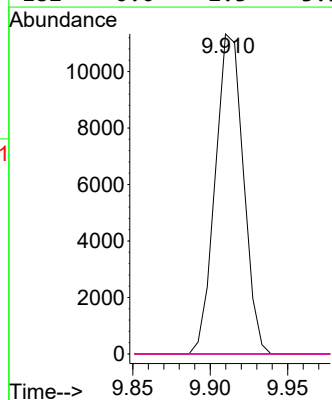
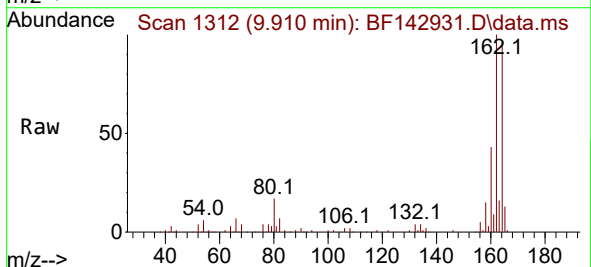
Instrument :
BNA_F
ClientSampleId :
TP-82

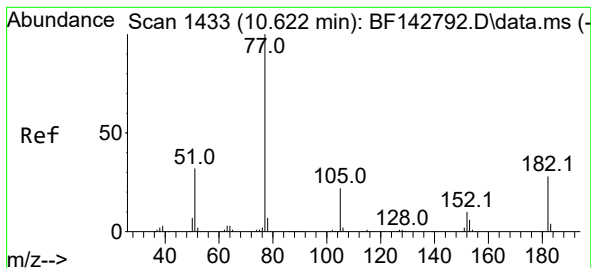
Tgt Ion:165 Resp: 14321
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.215 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion:165 Resp: 14321
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#





#63

Azobenzene

Concen: 2.373 ng

RT: 10.622 min Scan# 1433

Delta R.T. -0.000 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

Instrument :

BNA_F

ClientSampleId :

TP-82

Tgt Ion: 77 Resp: 14152

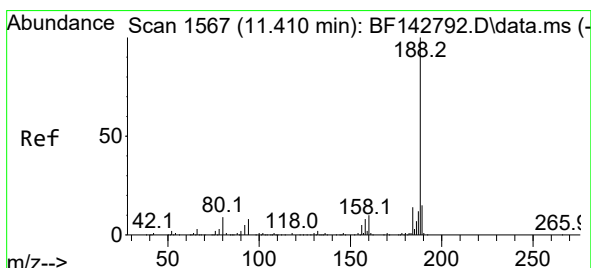
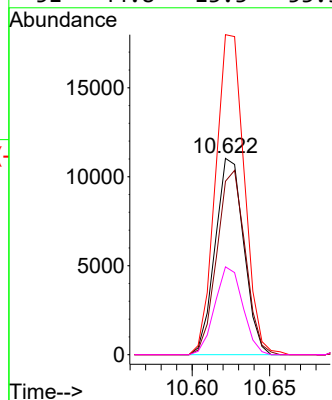
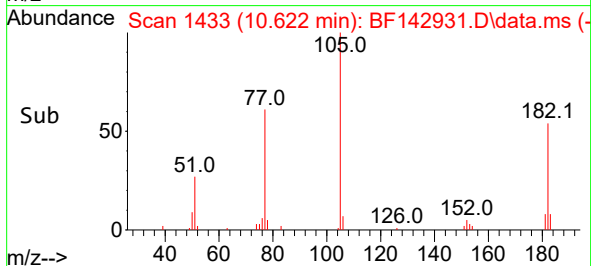
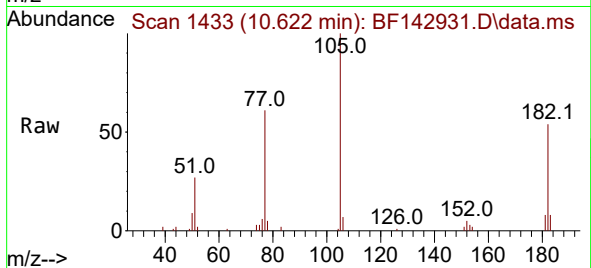
Ion Ratio Lower Upper

77 100

182 88.4 7.7 47.7#

105 163.0 1.9 41.9#

51 44.8 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: BF142931.D

Acq: 30 Jun 2025 23:15

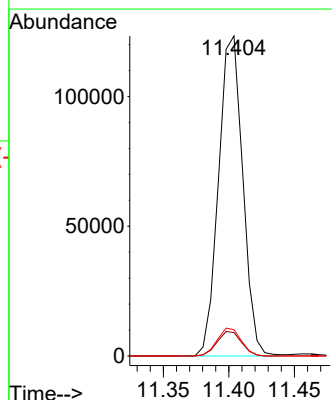
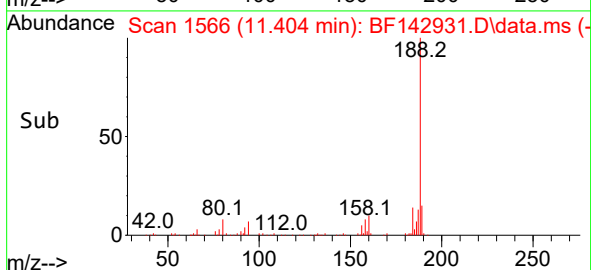
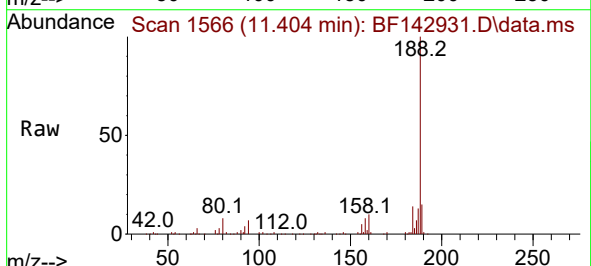
Tgt Ion: 188 Resp: 158342

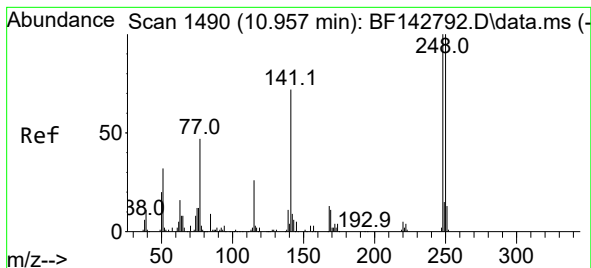
Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

80 8.2 6.9 10.3

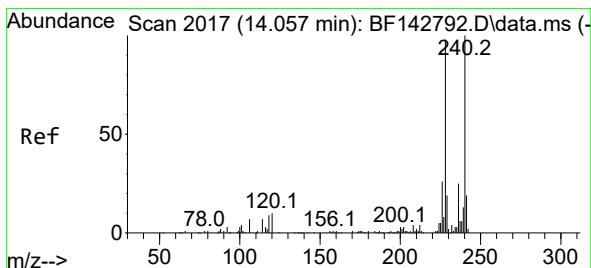
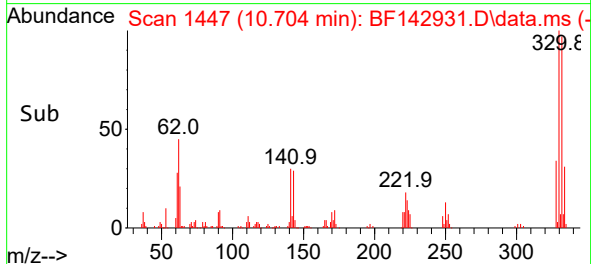
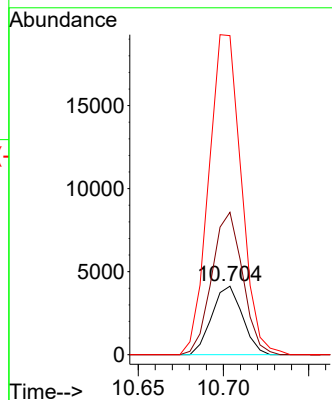
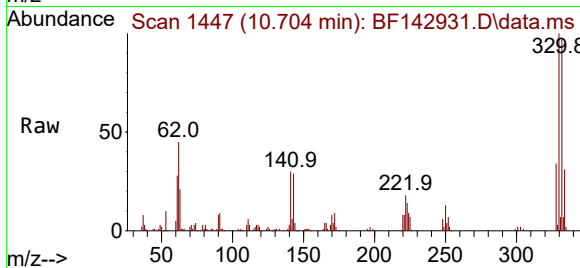




#67
4-Bromophenyl-phenylether
Concen: 2.863 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

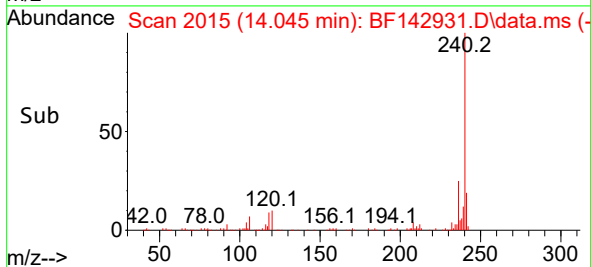
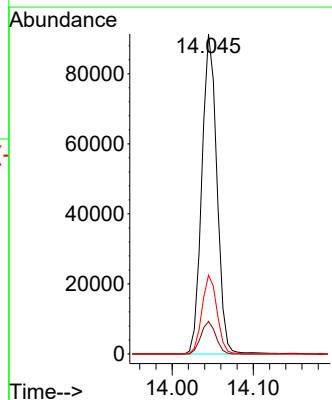
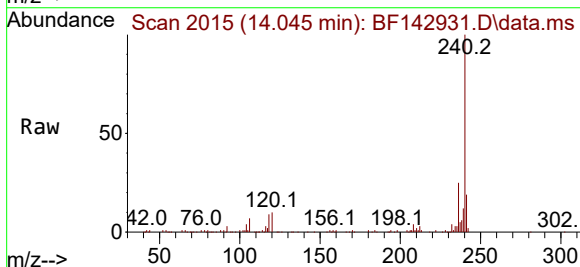
Instrument :
BNA_F
ClientSampleId :
TP-82

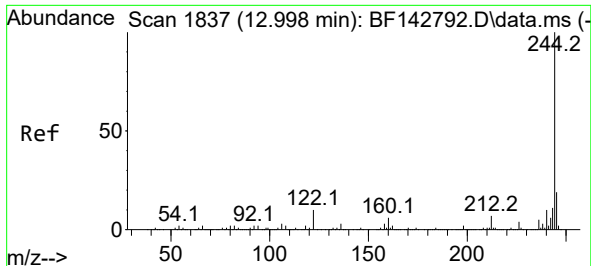
Tgt Ion:248 Resp: 5160
Ion Ratio Lower Upper
248 100
250 207.7 79.8 119.8#
141 465.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion:240 Resp: 117784
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 24.6 19.8 29.8

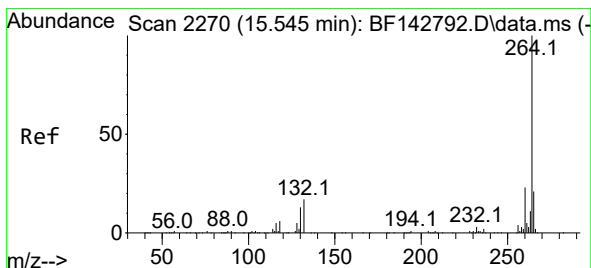
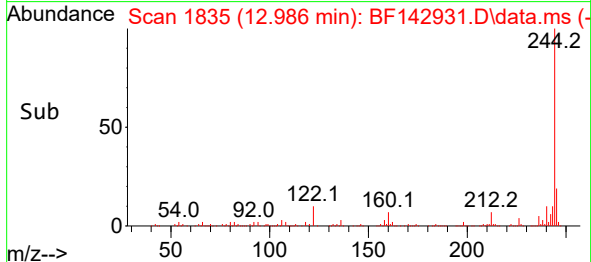
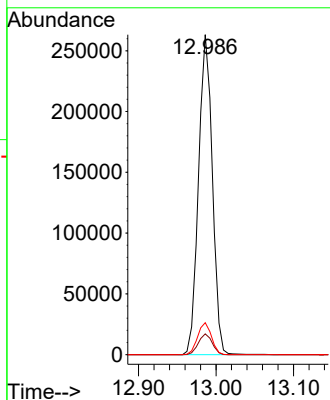
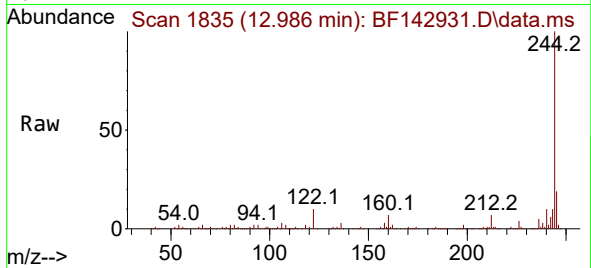




#79
 Terphenyl-d14
 Concen: 38.282 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142931.D
 Acq: 30 Jun 2025 23:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-82

Tgt Ion:244 Resp: 326335
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.0 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142931.D
 Acq: 30 Jun 2025 23:15

Tgt Ion:264 Resp: 136540
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.1 27.1
 265 21.8 16.6 25.0

