

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142927.D
 Acq On : 30 Jun 2025 21:15
 Operator : RC/JU
 Sample : Q2436-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-83

Quant Time: Jul 01 01:25:08 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)

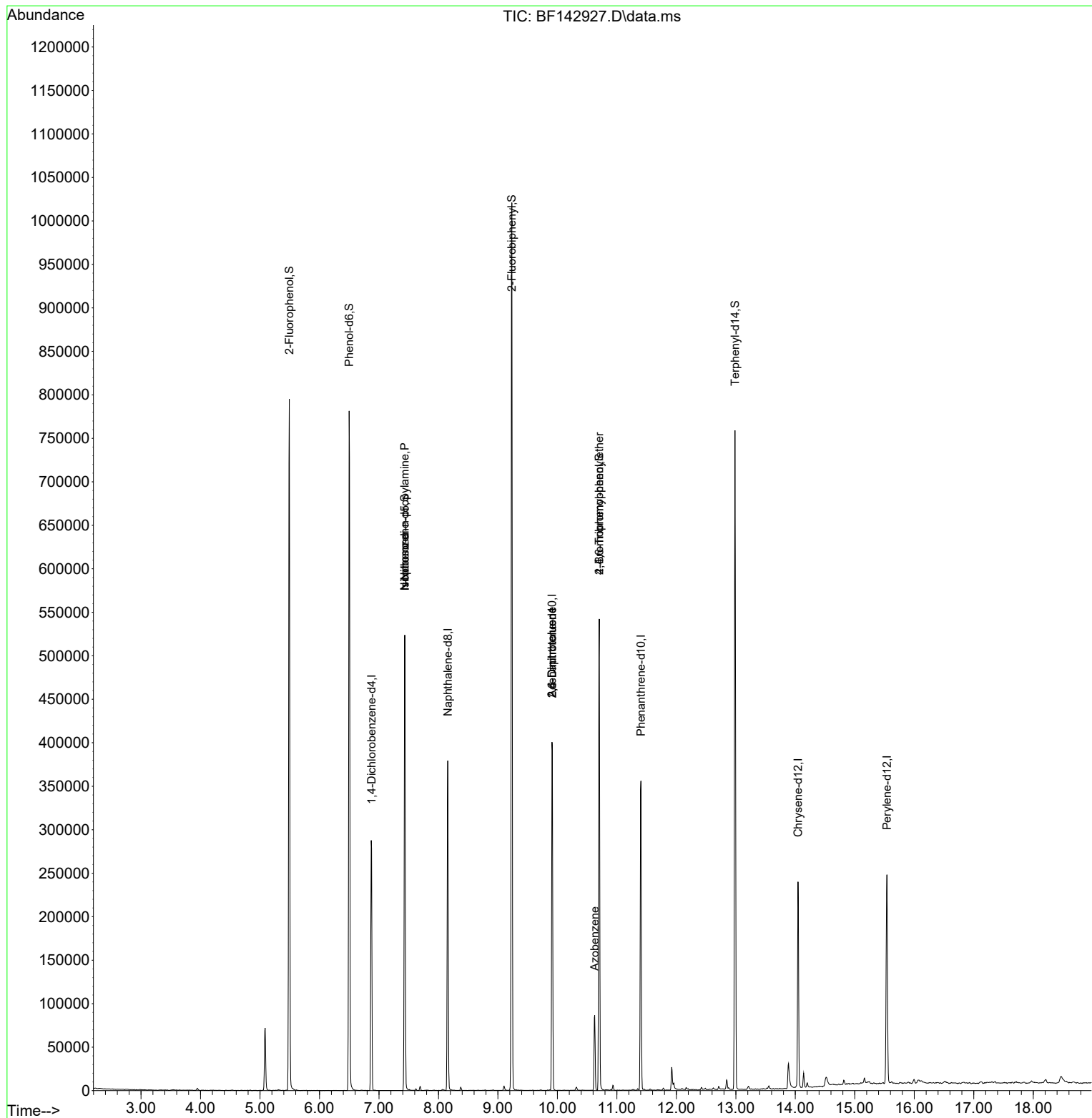
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66171	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	243586	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	123597	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	193271	20.000	ng	0.00
76) Chrysene-d12	14.045	240	118249	20.000	ng	-0.01
86) Perylene-d12	15.539	264	142467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	305225	76.797	ng	0.00
7) Phenol-d6	6.498	99	365908	78.035	ng	-0.01
23) Nitrobenzene-d5	7.434	82	221459	49.868	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	93404	73.437	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	465678	49.495	ng	-0.01
79) Terphenyl-d14	12.986	244	360721	42.149	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	29287	10.739	ng	# 75
25) Isophorone	7.434	82	221391	31.077	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15944	9.075	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	15944	6.832	ng	# 27
63) Azobenzene	10.628	77	21802	3.110	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5878	2.672	ng	# 1

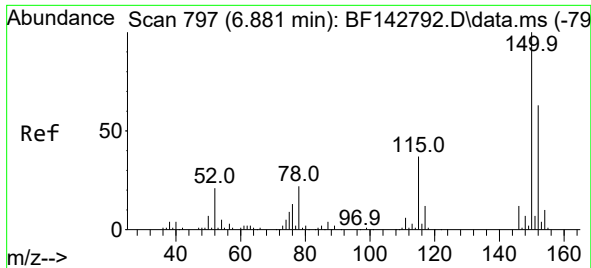
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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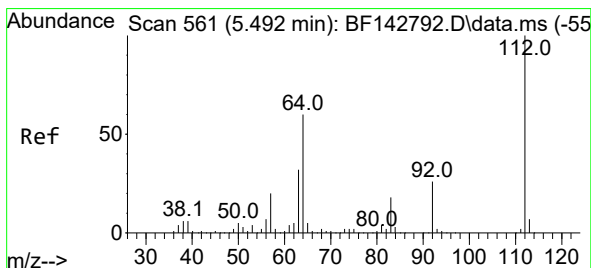
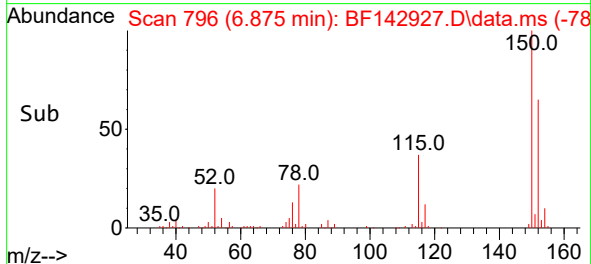
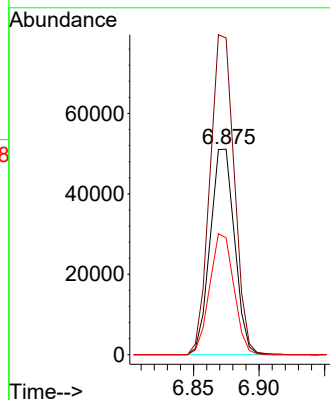
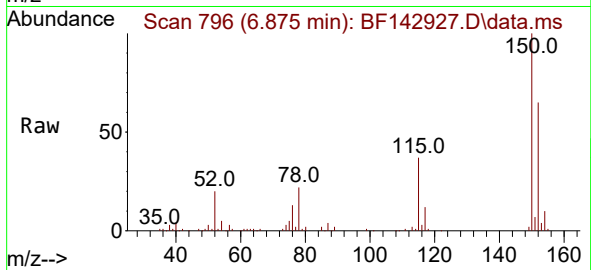




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142927.D
 Acq: 30 Jun 2025 21:15

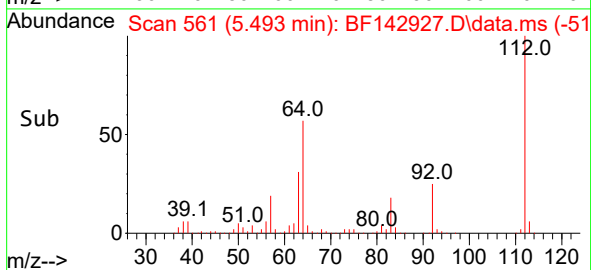
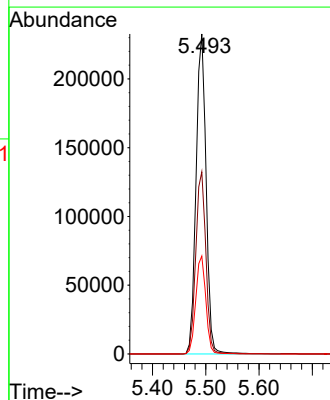
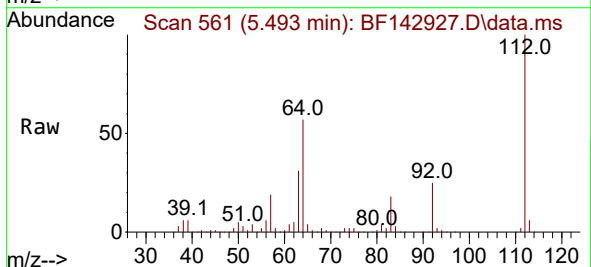
Instrument :
 BNA_F
 ClientSampleId :
 TP-83

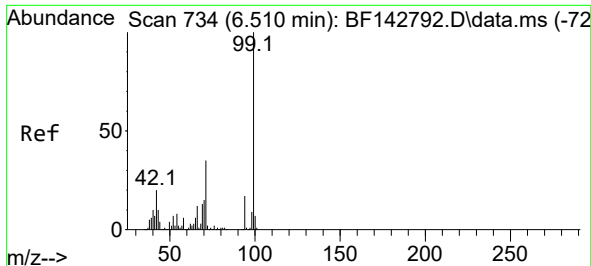
Tgt Ion:152 Resp: 66171
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.2 190.8
 115 56.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 76.797 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142927.D
 Acq: 30 Jun 2025 21:15

Tgt Ion:112 Resp: 305225
 Ion Ratio Lower Upper
 112 100
 64 56.9 48.2 72.2
 63 30.6 25.7 38.5





#7

Phenol-d6

Concen: 78.035 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

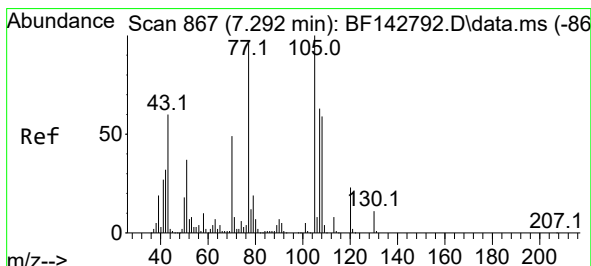
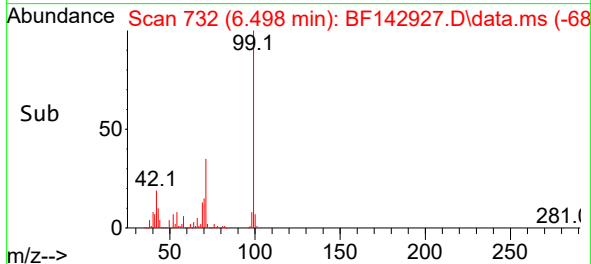
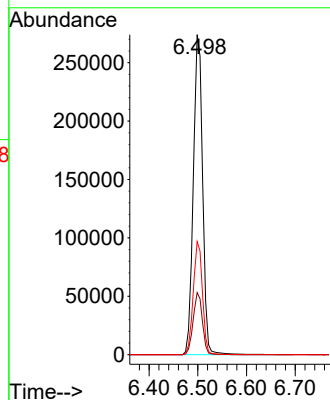
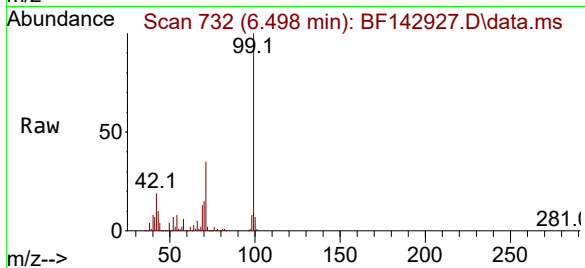
Tgt Ion: 99 Resp: 365908

Ion Ratio Lower Upper

99 100

42 19.4 15.9 23.9

71 35.4 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.739 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Tgt Ion: 70 Resp: 29287

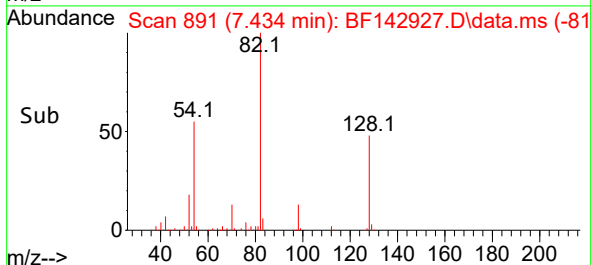
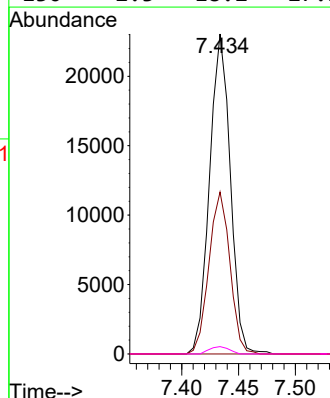
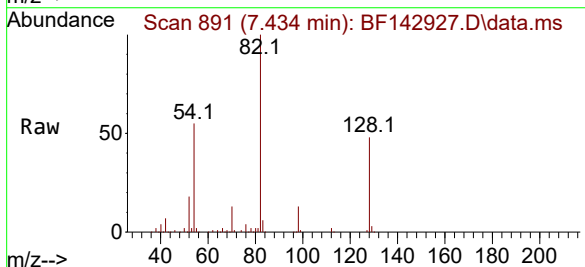
Ion Ratio Lower Upper

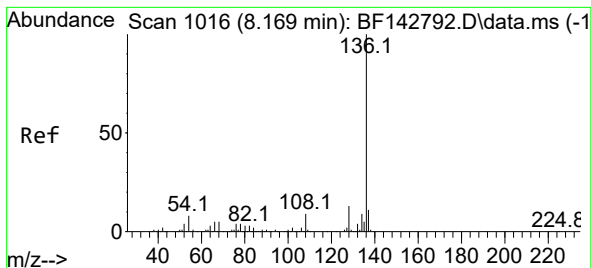
70 100

42 50.6 52.1 78.1#

101 0.0 8.2 12.2#

130 2.3 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: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

Tgt Ion:136 Resp: 243586

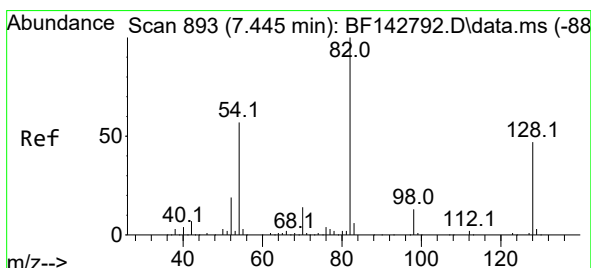
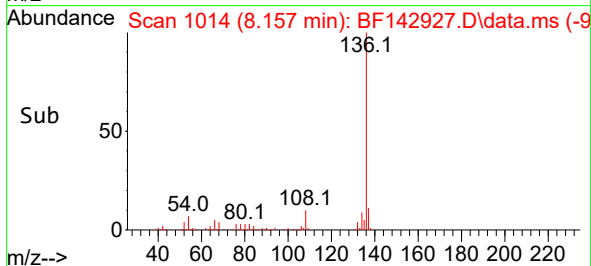
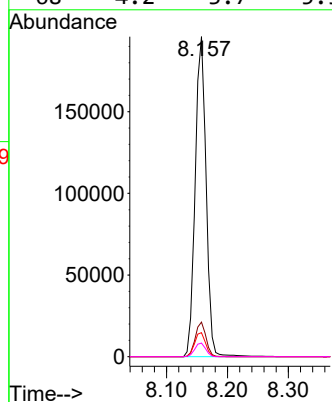
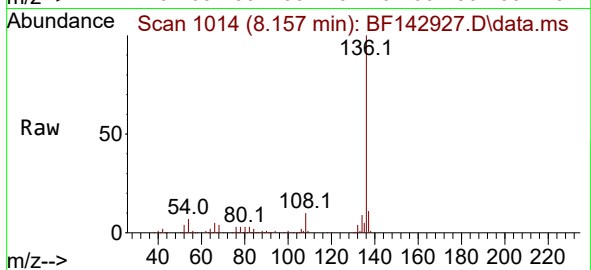
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.5 6.3 9.5

68 4.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 49.868 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

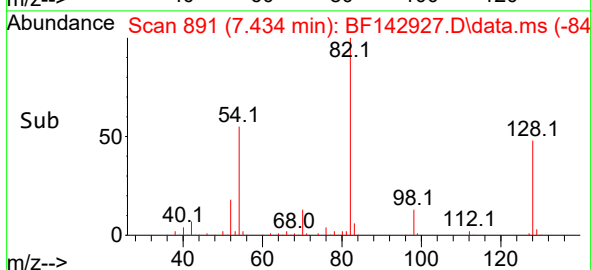
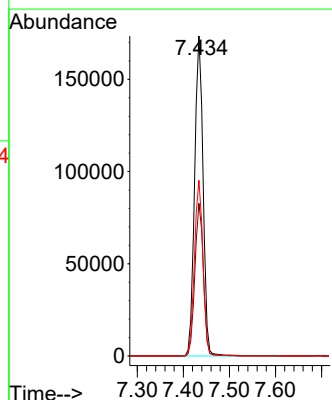
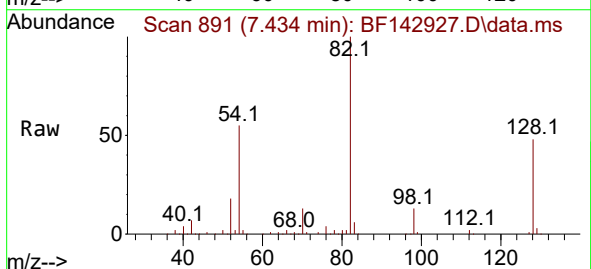
Tgt Ion: 82 Resp: 221459

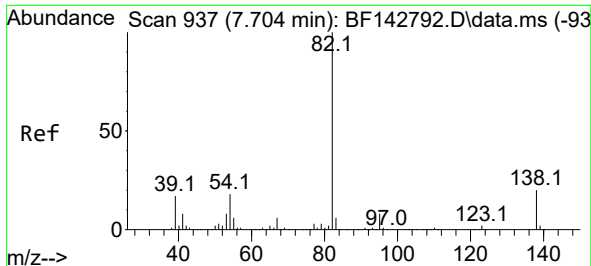
Ion Ratio Lower Upper

82 100

128 47.7 37.7 56.5

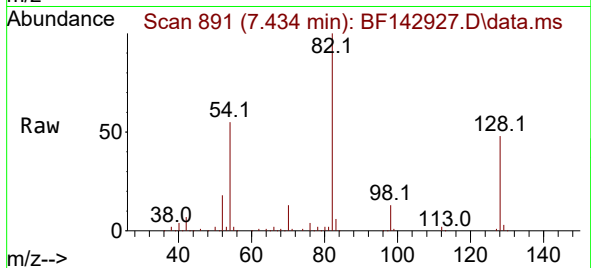
54 54.9 45.7 68.5



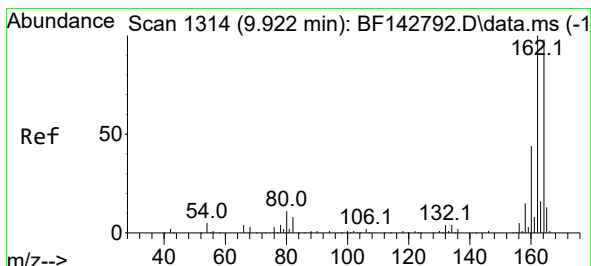
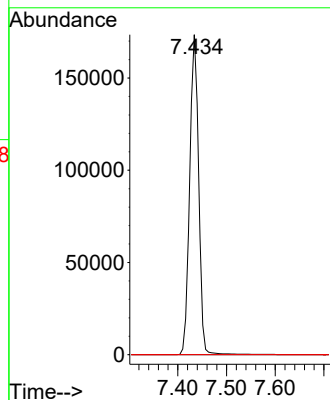
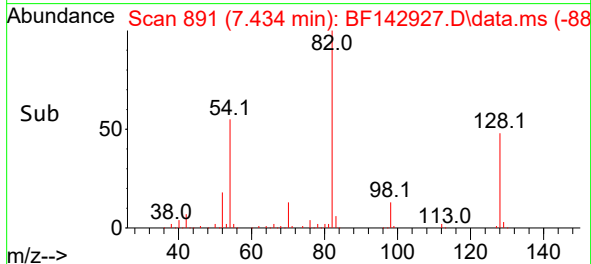


#25
Isophorone
Concen: 31.077 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Instrument :
BNA_F
ClientSampleId :
TP-83

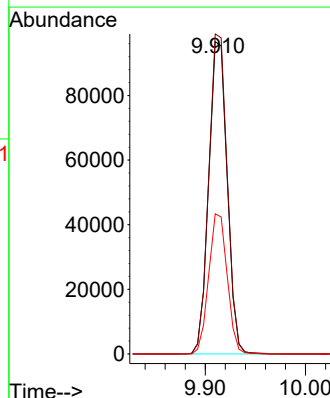
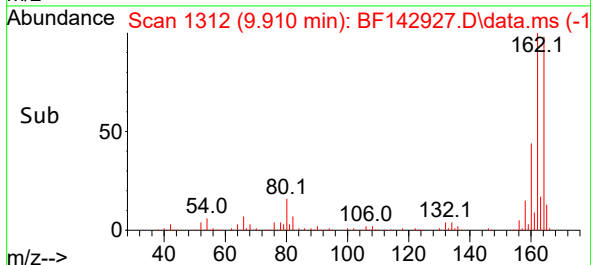
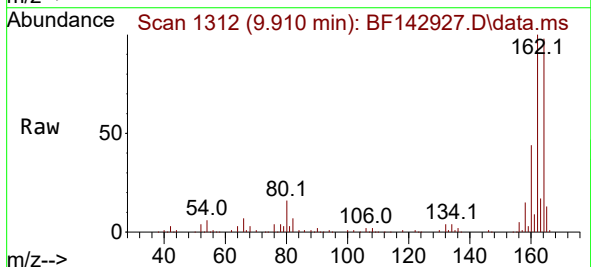


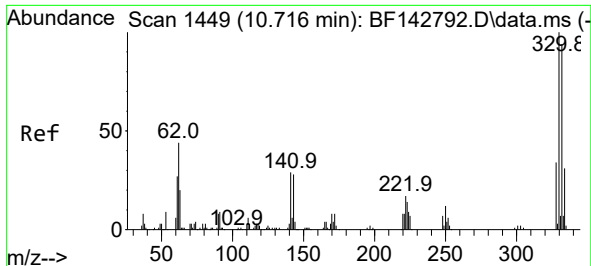
Tgt Ion: 82 Resp: 221391
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion:164 Resp: 123597
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.8
160 44.9 36.0 54.0

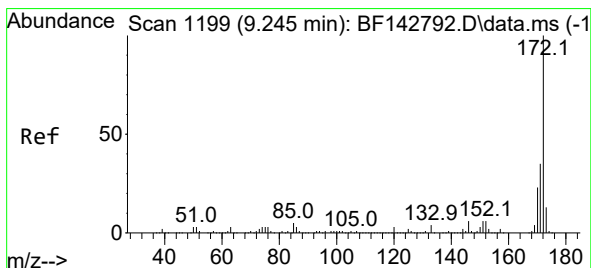
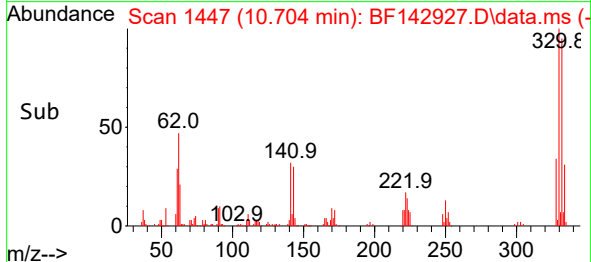
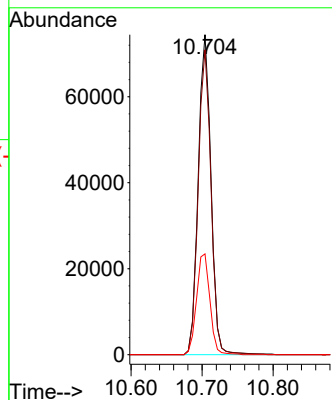
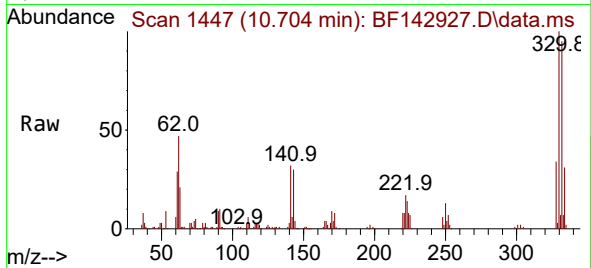




#42
2,4,6-Tribromophenol
Concen: 73.437 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

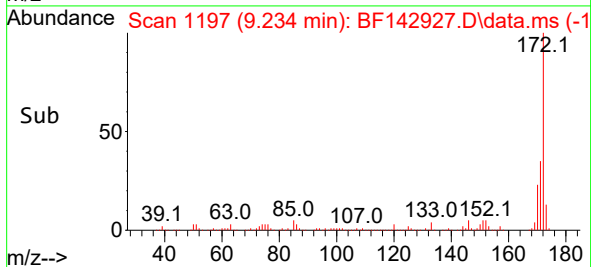
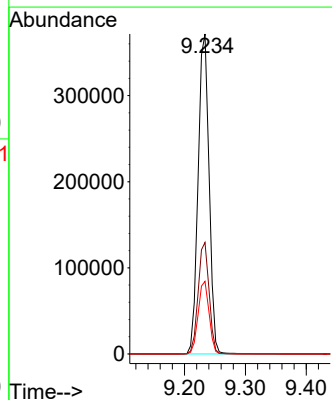
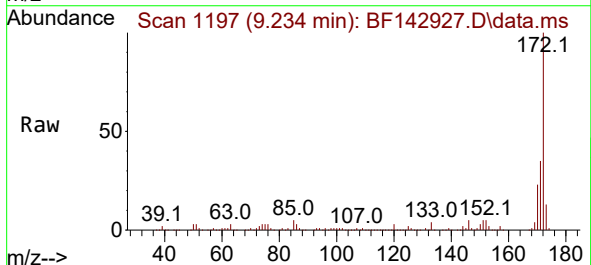
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ClientSampleId :
TP-83

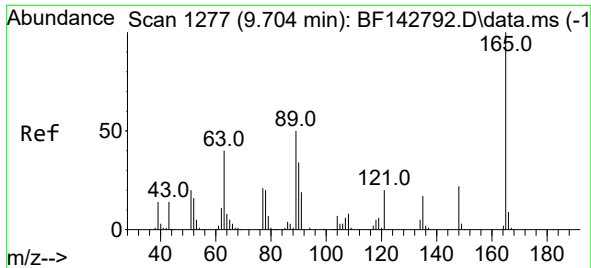
Tgt Ion: 330 Resp: 93404
Ion Ratio Lower Upper
330 100
332 95.3 75.0 112.6
141 32.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 49.495 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion: 172 Resp: 465678
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.7 18.5 27.7

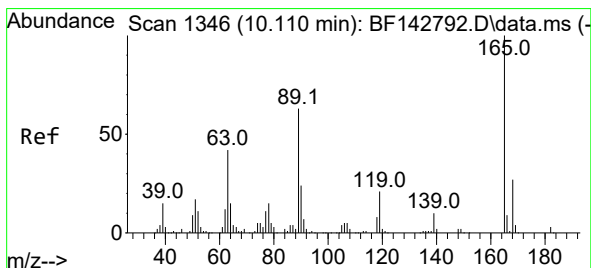
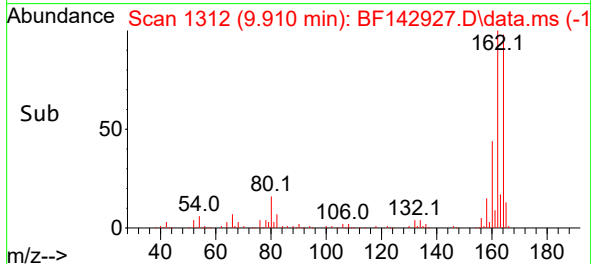
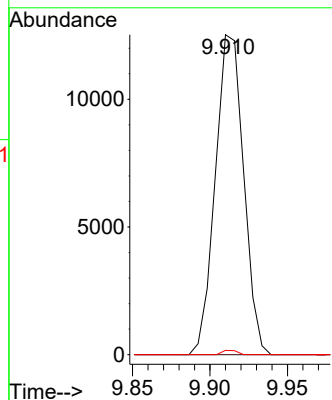
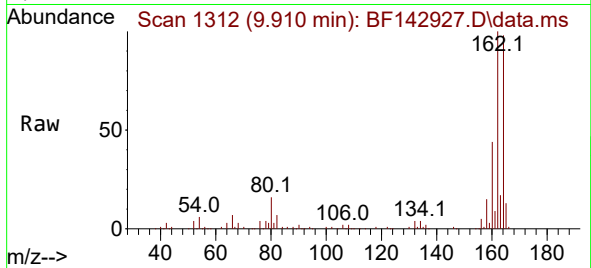




#51
2,6-Dinitrotoluene
Concen: 9.075 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.206 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

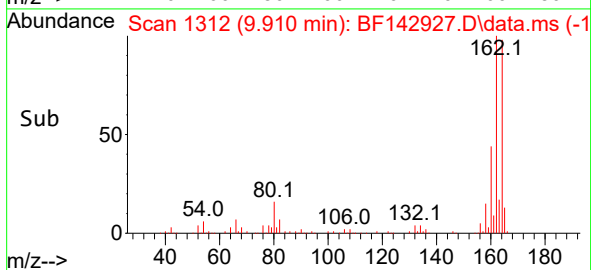
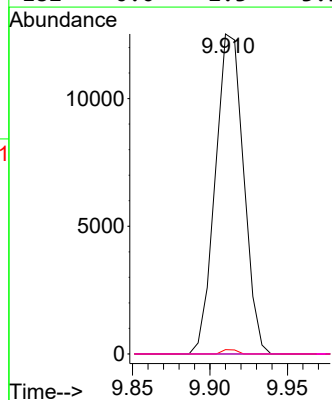
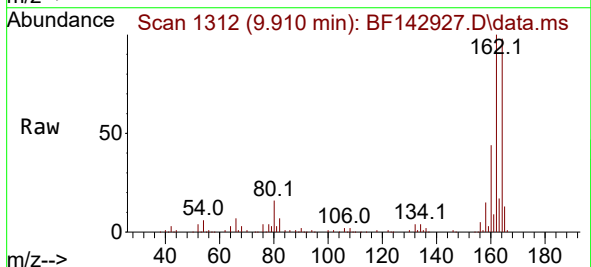
Instrument :
BNA_F
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TP-83

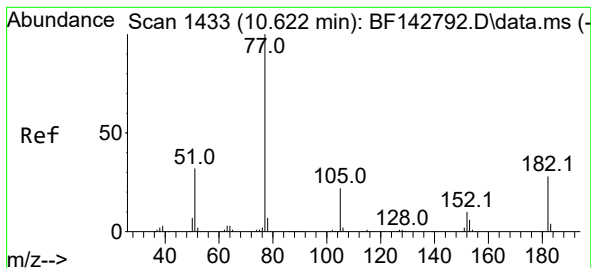
Tgt Ion:165 Resp: 15944
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.3 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.832 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion:165 Resp: 15944
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.3 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.110 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

Tgt Ion: 77 Resp: 21802

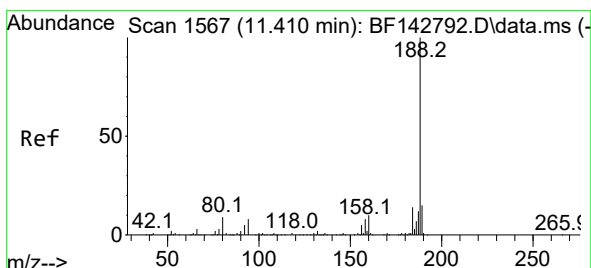
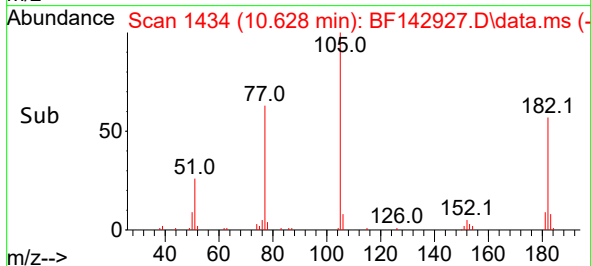
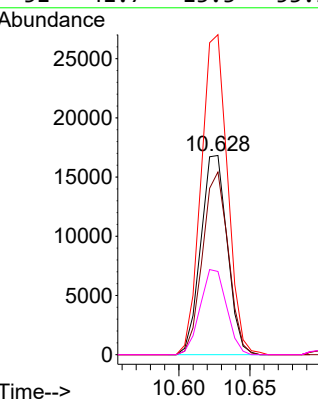
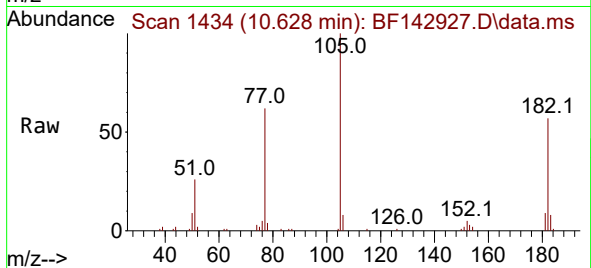
Ion Ratio Lower Upper

77 100

182 91.7 7.7 47.7#

105 160.6 1.9 41.9#

51 41.7 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: BF142927.D

Acq: 30 Jun 2025 21:15

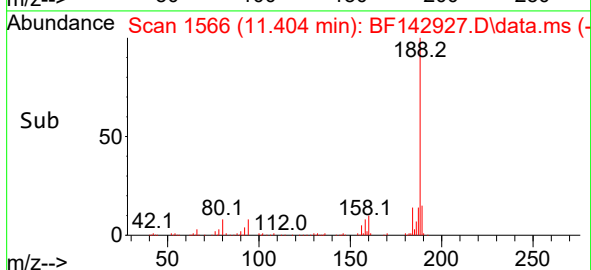
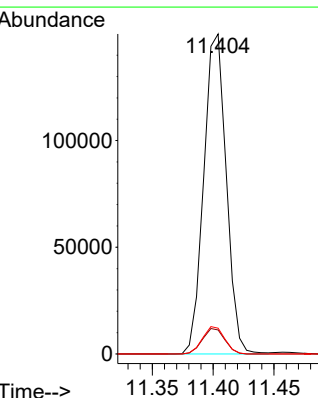
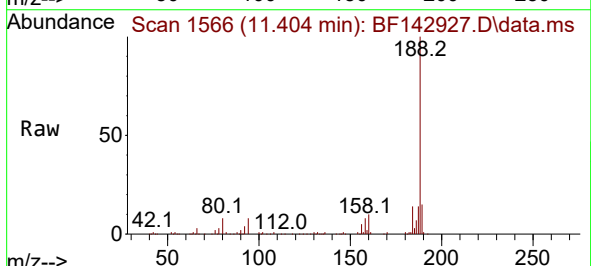
Tgt Ion: 188 Resp: 193271

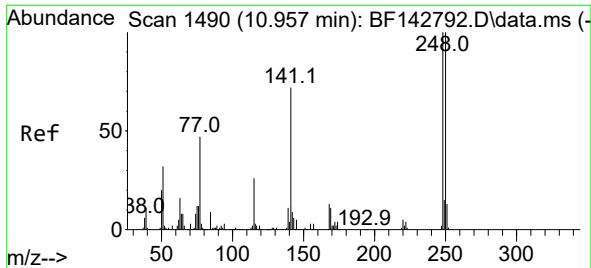
Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 8.1 6.9 10.3

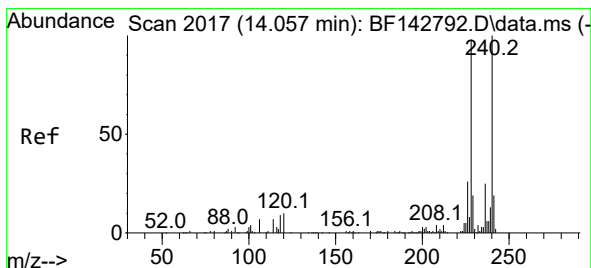
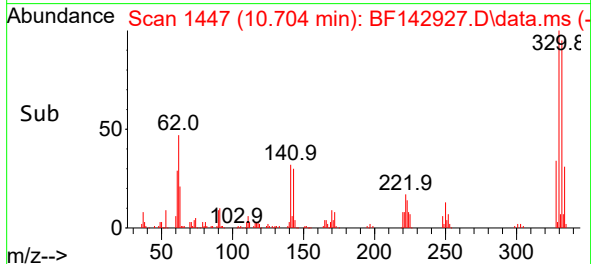
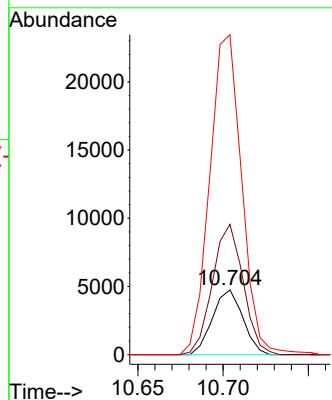
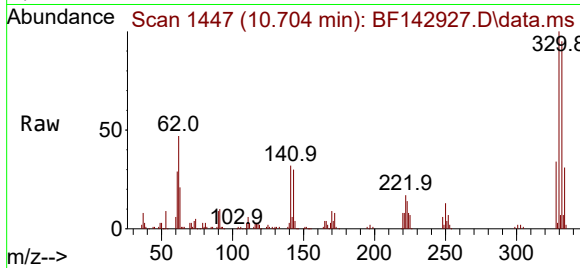




#67
4-Bromophenyl-phenylether
Concen: 2.672 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

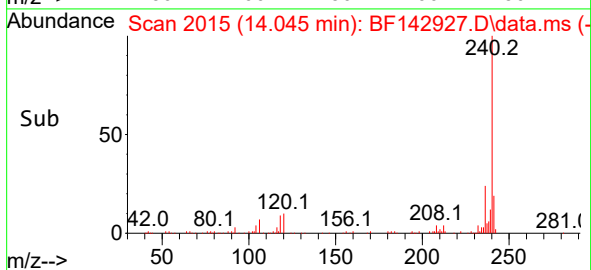
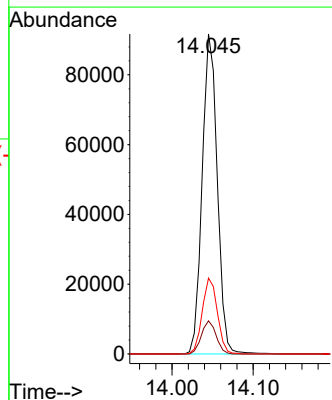
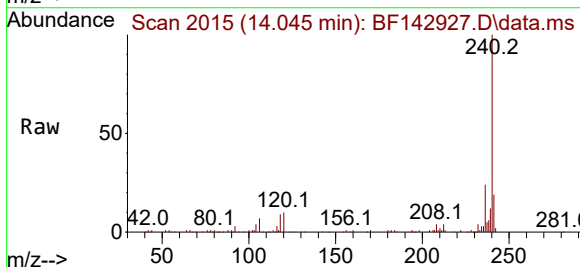
Instrument :
BNA_F
ClientSampleId :
TP-83

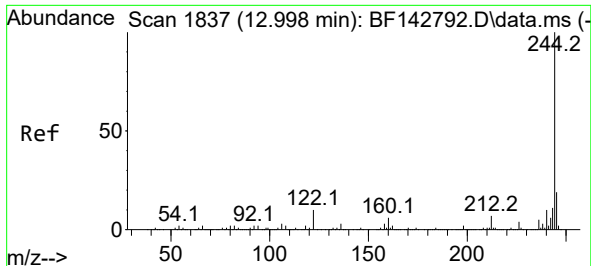
Tgt Ion:248 Resp: 5878
Ion Ratio Lower Upper
248 100
250 201.1 79.8 119.8#
141 493.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion:240 Resp: 118249
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 23.7 19.8 29.8

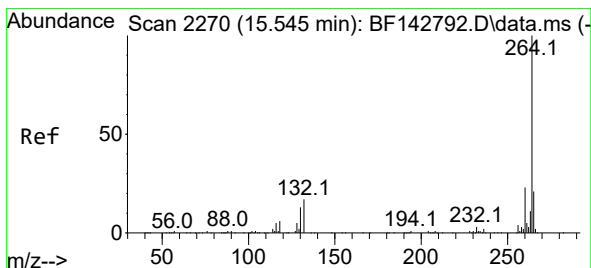
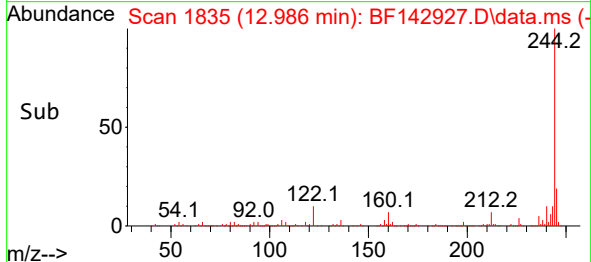
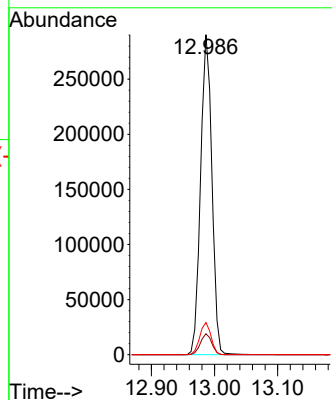
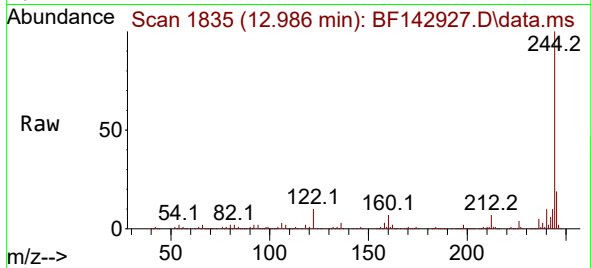




#79
 Terphenyl-d14
 Concen: 42.149 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142927.D
 Acq: 30 Jun 2025 21:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-83

Tgt Ion:244 Resp: 360721
 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: BF142927.D
 Acq: 30 Jun 2025 21:15

Tgt Ion:264 Resp: 142467
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 20.5 16.6 25.0

