

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF143000.D
 Acq On : 03 Jul 2025 16:59
 Operator : RC/JU
 Sample : Q2484-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-107

Quant Time: Jul 03 17:27:58 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)

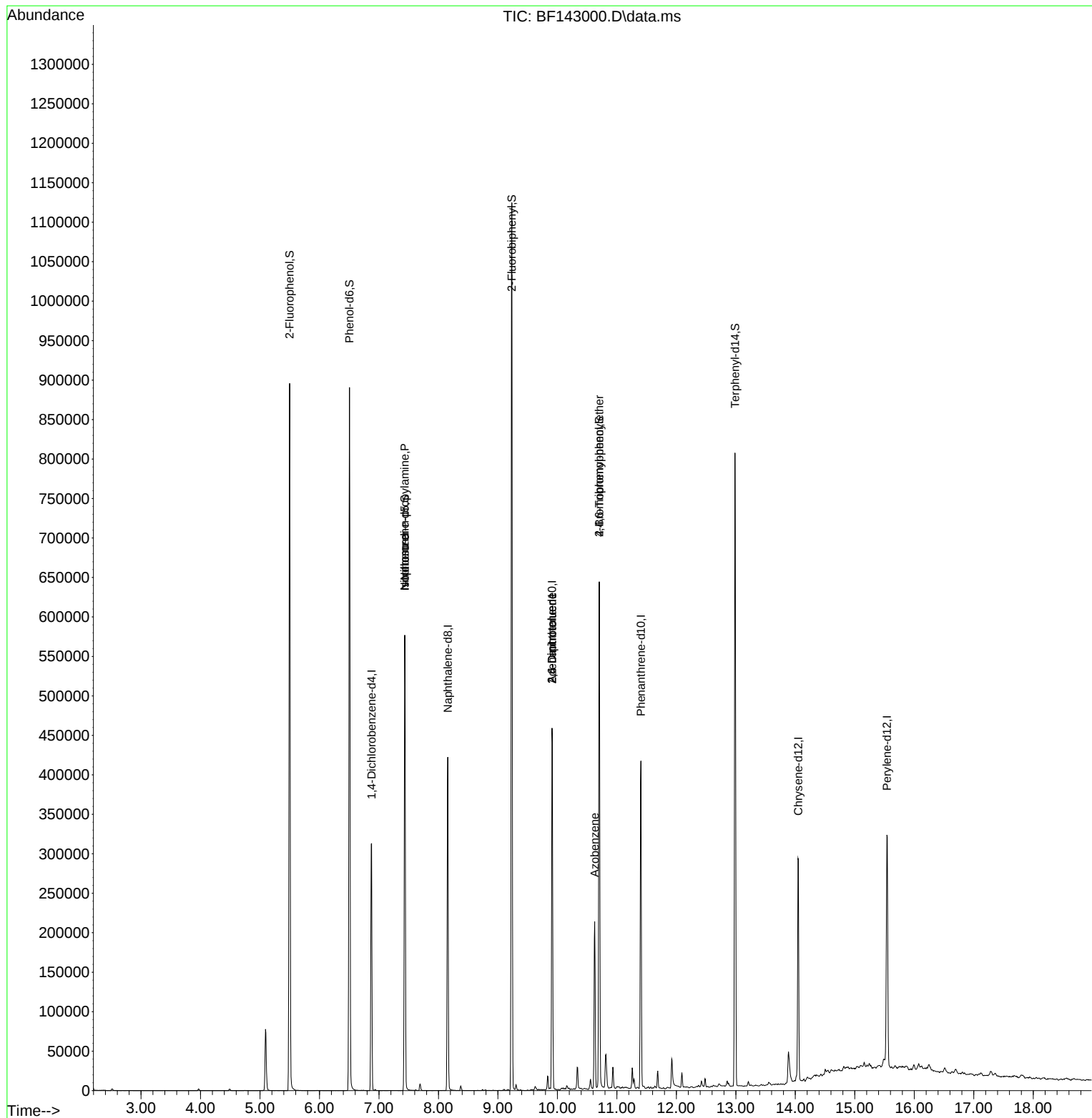
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	72090	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	273008	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	142530	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	220931	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143481	20.000	ng	0.00
86) Perylene-d12	15.539	264	173151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	342770	79.163	ng	0.00
7) Phenol-d6	6.504	99	413654	80.974	ng	0.00
23) Nitrobenzene-d5	7.433	82	248624	49.952	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	109332	74.541	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	515974	47.556	ng	-0.01
79) Terphenyl-d14	12.986	244	385890	37.161	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.433	70	33372	11.232	ng	# 75
25) Isophorone	7.433	82	248558	31.131	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	18094	8.930	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	18094	6.723	ng	# 26
63) Azobenzene	10.627	77	49651	6.141	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	7061	2.808	ng	# 1

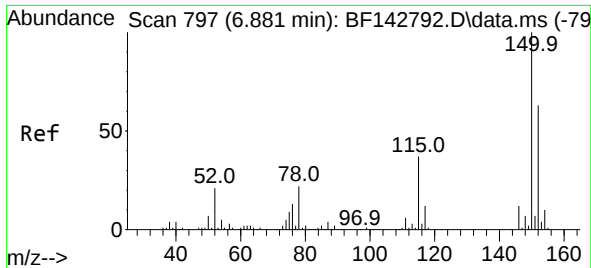
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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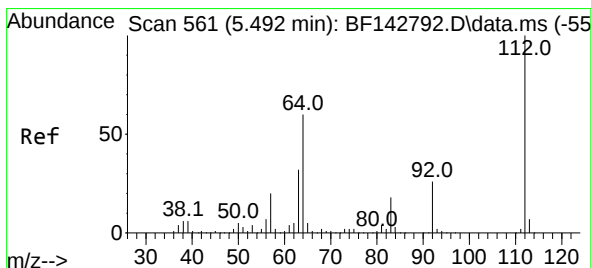
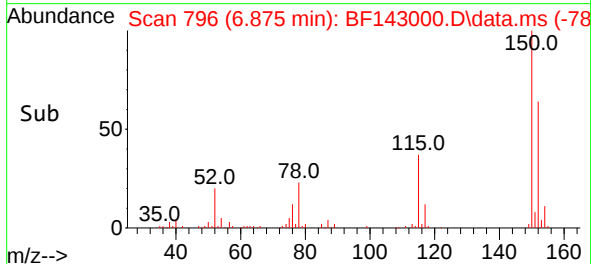
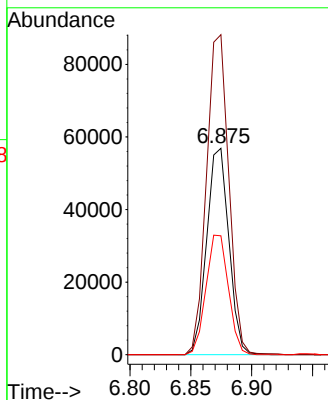
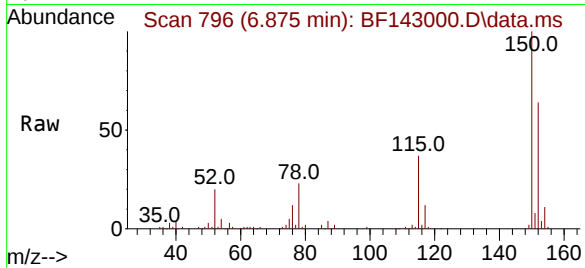




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

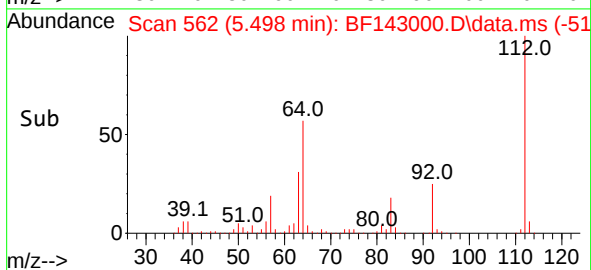
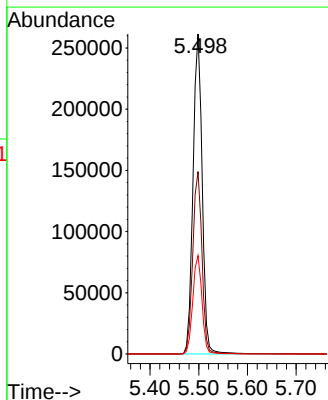
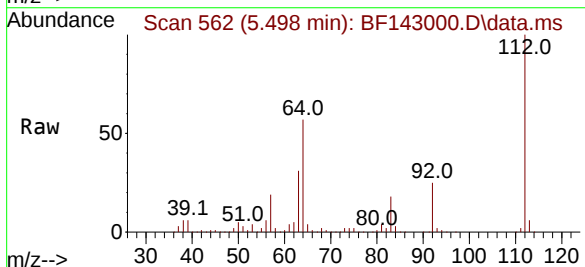
Instrument :
BNA_F
ClientSampleId :
TP-107

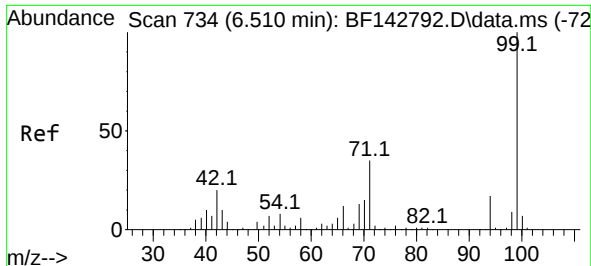
Tgt Ion:152 Resp: 72090
Ion Ratio Lower Upper
152 100
150 155.1 127.2 190.8
115 57.6 46.6 69.8



#5
2-Fluorophenol
Concen: 79.163 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion:112 Resp: 342770
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.7 25.7 38.5

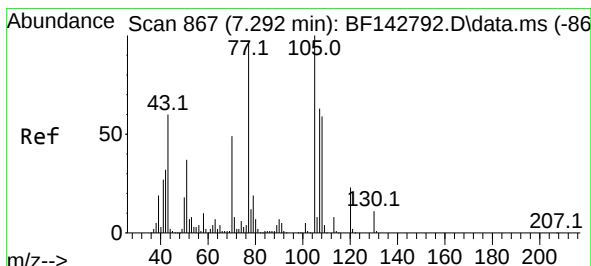
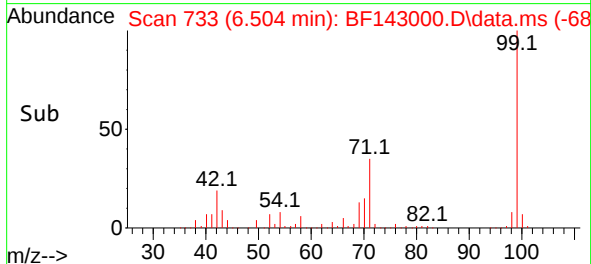
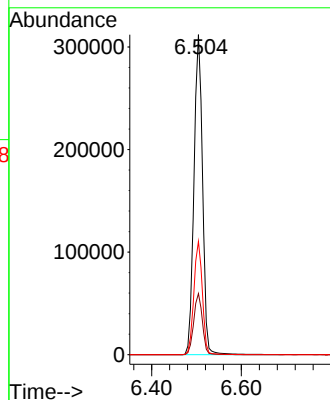
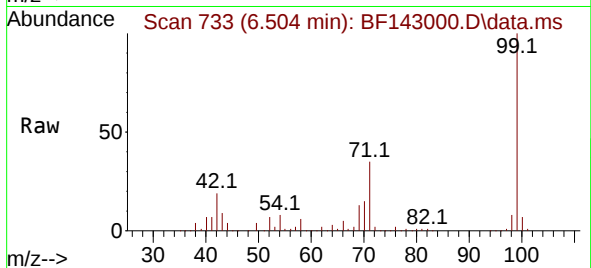




#7
Phenol-d6
Concen: 80.974 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

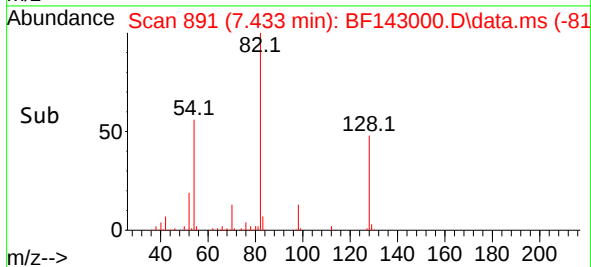
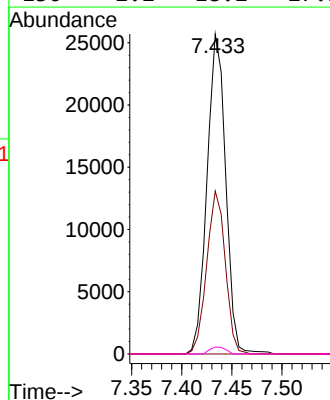
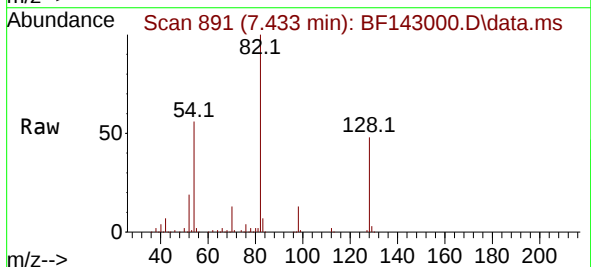
Instrument :
BNA_F
ClientSampleId :
TP-107

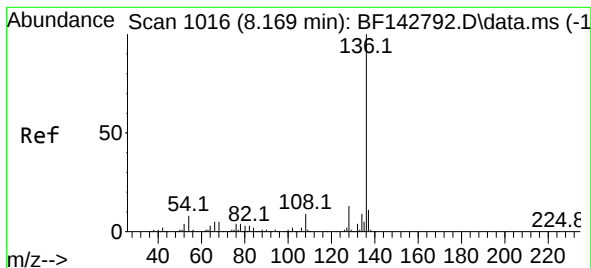
Tgt Ion: 99 Resp: 413654
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.232 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion: 70 Resp: 33372
Ion Ratio Lower Upper
70 100
42 50.9 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: BF143000.D

Acq: 03 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

TP-107

Tgt Ion:136 Resp: 273008

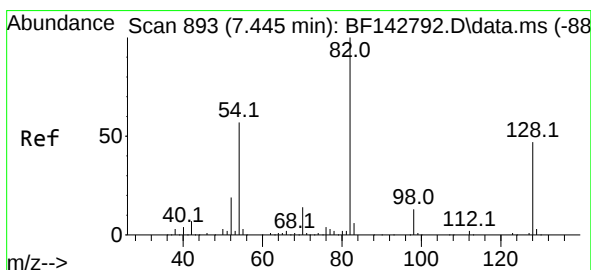
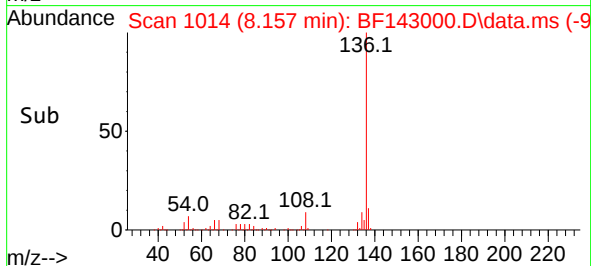
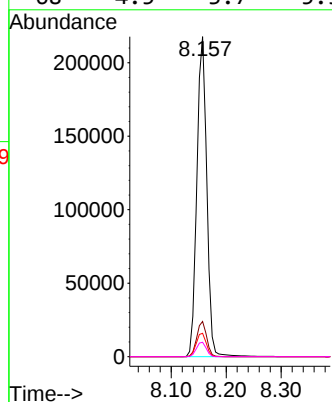
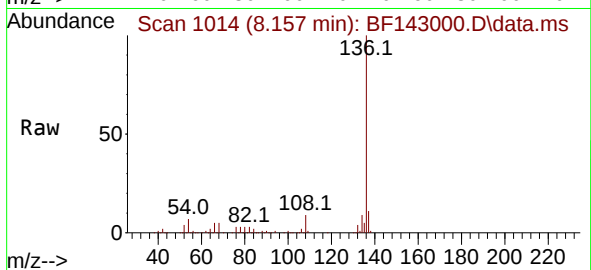
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.3 6.3 9.5

68 4.5 3.7 5.5



#23

Nitrobenzene-d5

Concen: 49.952 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

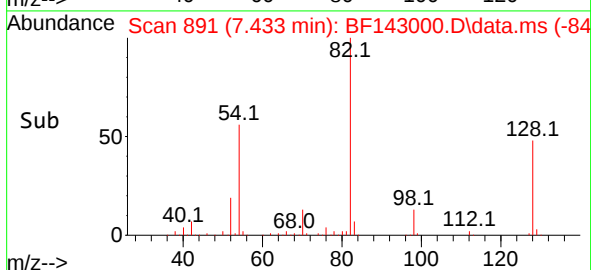
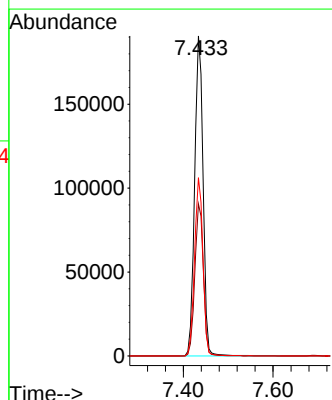
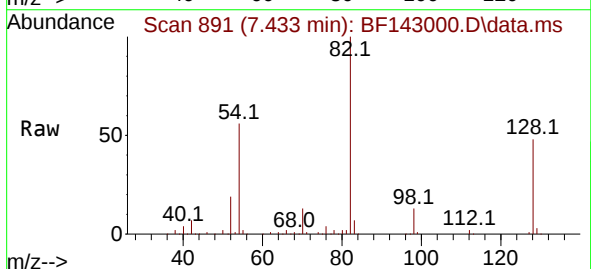
Tgt Ion: 82 Resp: 248624

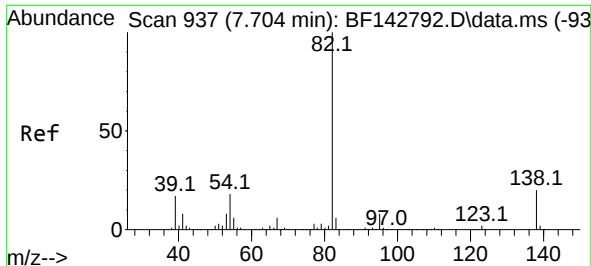
Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 55.7 45.7 68.5

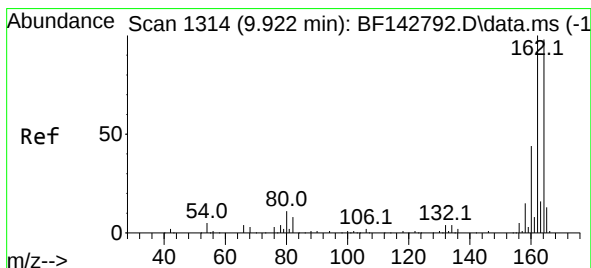
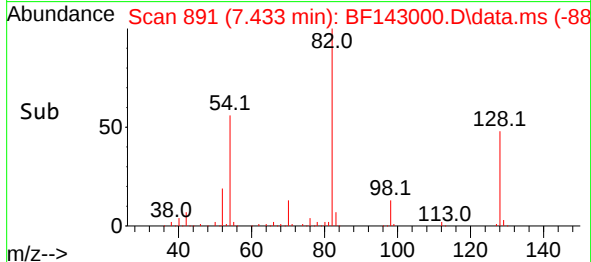
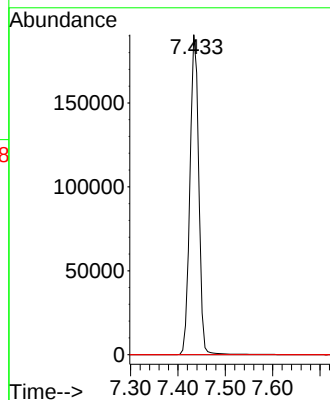
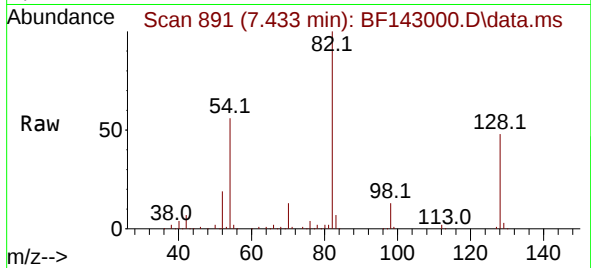




#25
Isophorone
Concen: 31.131 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

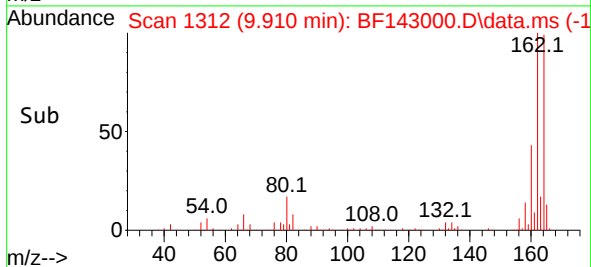
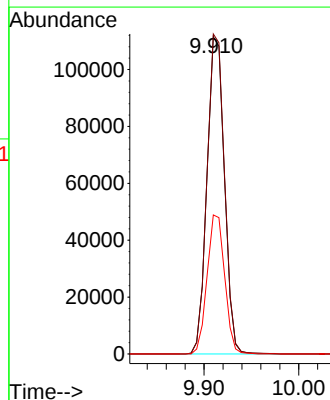
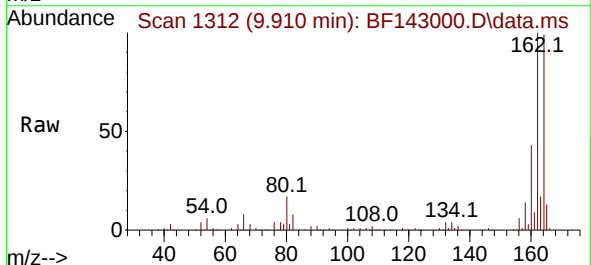
Instrument :
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ClientSampleId :
TP-107

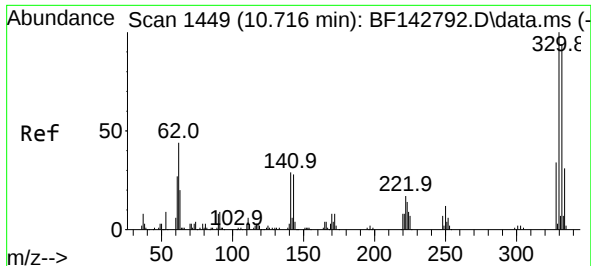
Tgt Ion: 82 Resp: 248558
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion: 164 Resp: 142530
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 43.8 36.0 54.0

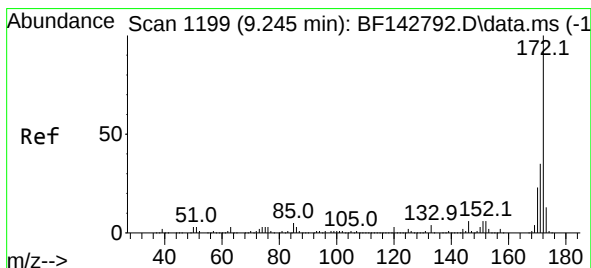
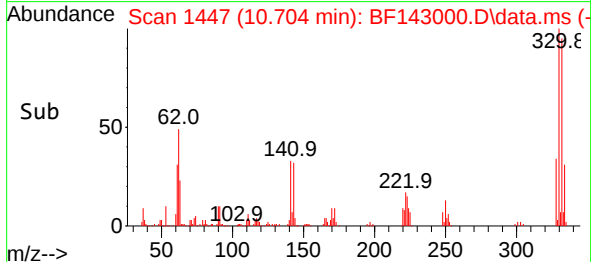
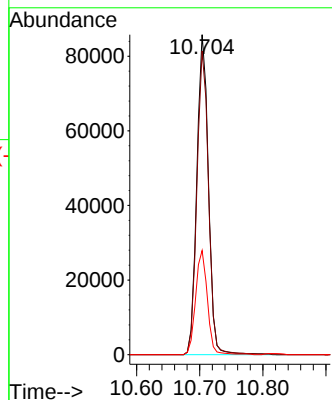
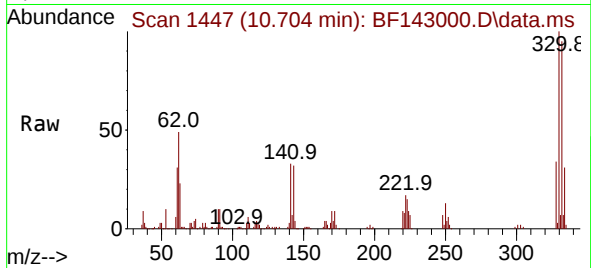




#42
 2,4,6-Tribromophenol
 Concen: 74.541 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF143000.D
 Acq: 03 Jul 2025 16:59

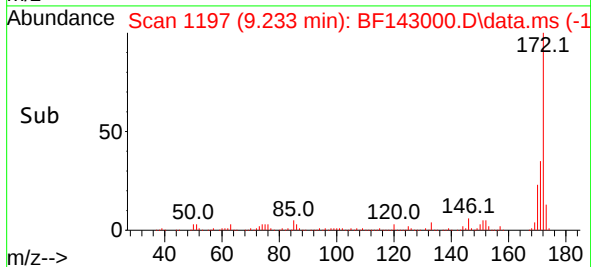
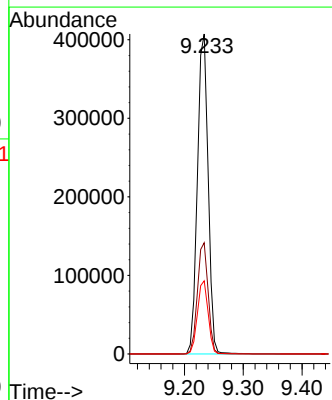
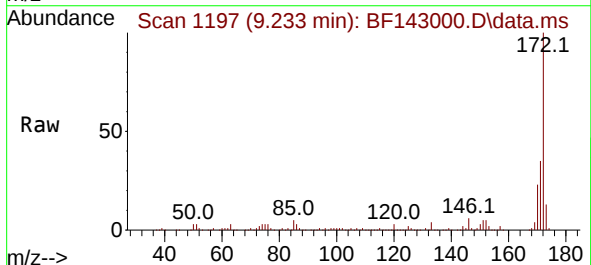
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 TP-107

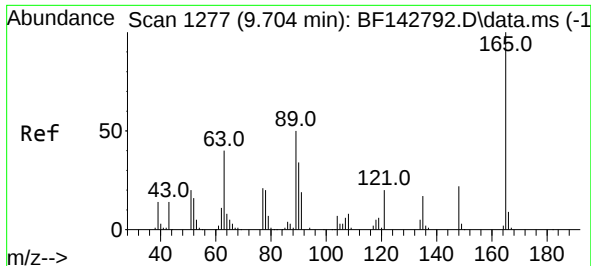
Tgt Ion:330 Resp: 109332
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.0 112.6
 141 32.8 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 47.556 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF143000.D
 Acq: 03 Jul 2025 16:59

Tgt Ion:172 Resp: 515974
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.4
 170 22.8 18.5 27.7

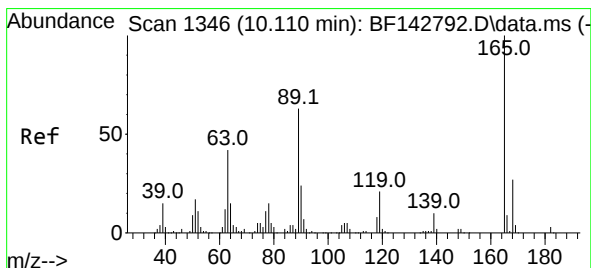
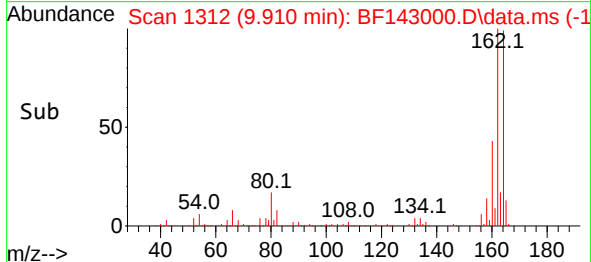
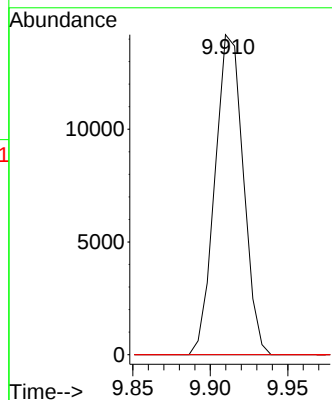
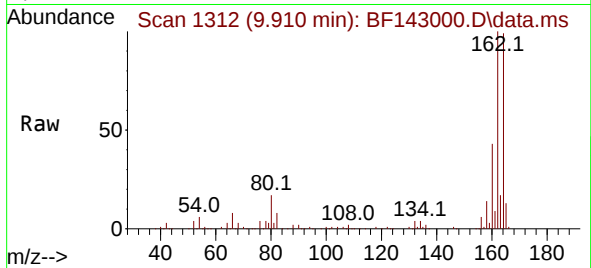




#51
2,6-Dinitrotoluene
Concen: 8.930 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.206 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

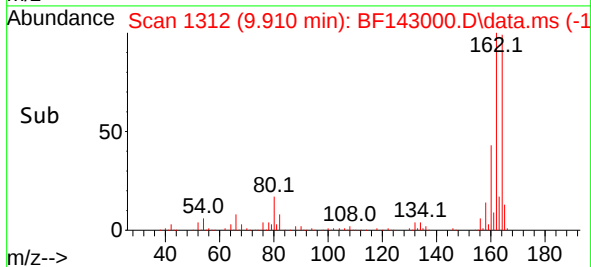
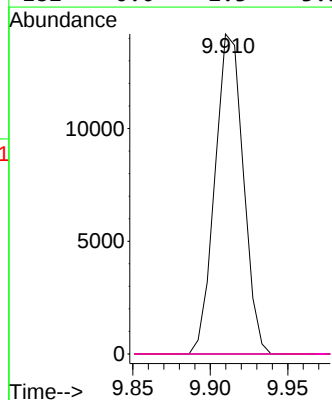
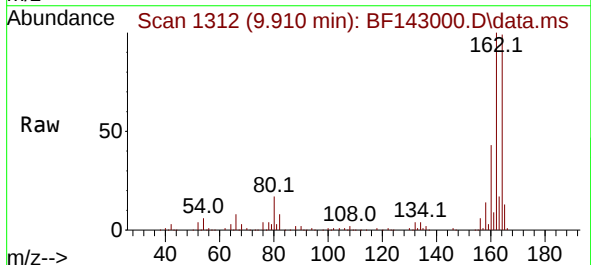
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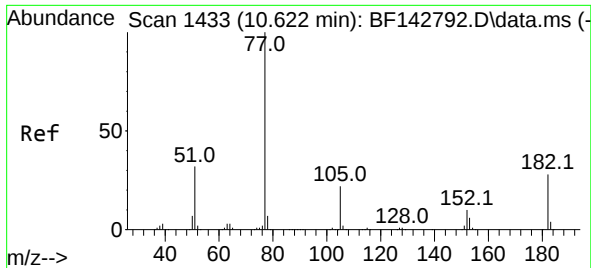
Tgt Ion:165 Resp: 18094
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.723 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion:165 Resp: 18094
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#

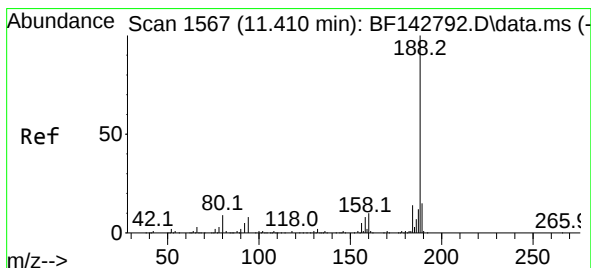
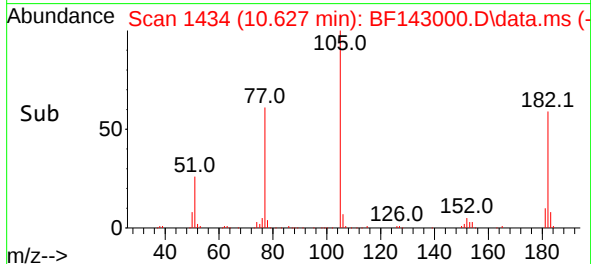
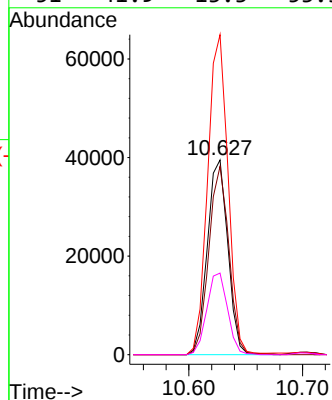
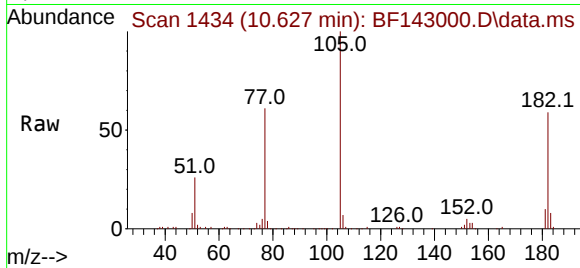




#63
Azobenzene
Concen: 6.141 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

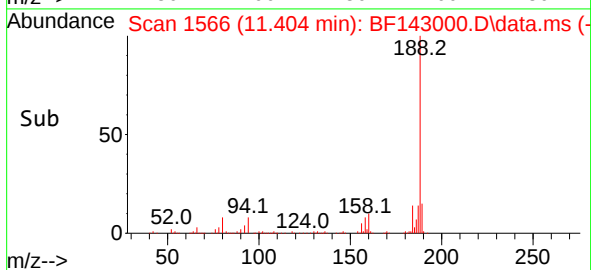
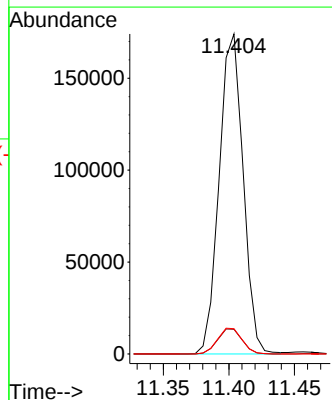
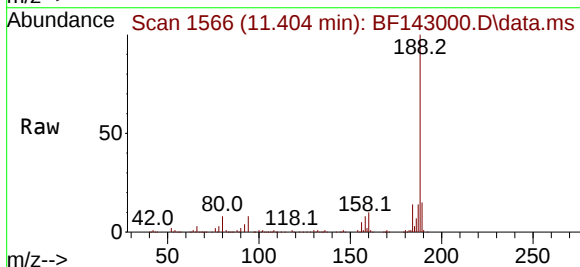
Instrument :
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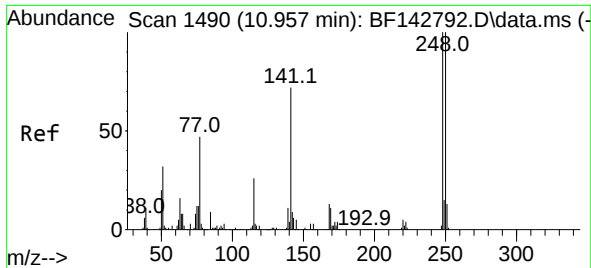
Tgt Ion: 77 Resp: 49651
Ion Ratio Lower Upper
77 100
182 96.7 7.7 47.7#
105 164.4 1.9 41.9#
51 41.9 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion: 188 Resp: 220931
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.9 6.9 10.3

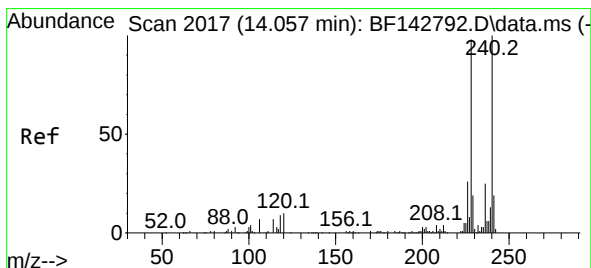
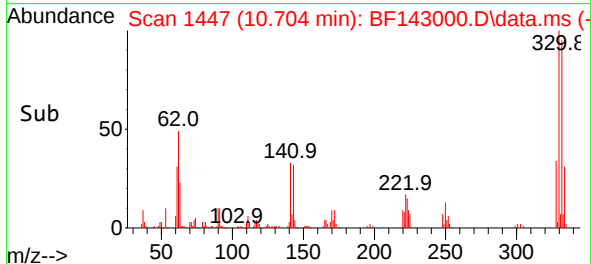
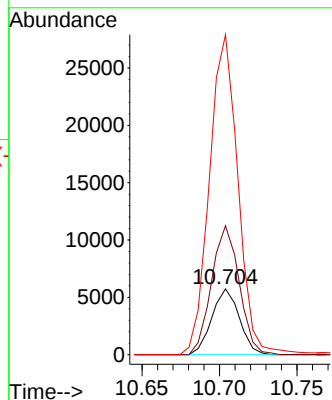
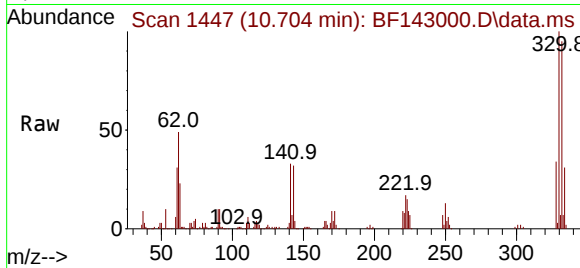




#67
4-Bromophenyl-phenylether
Concen: 2.808 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

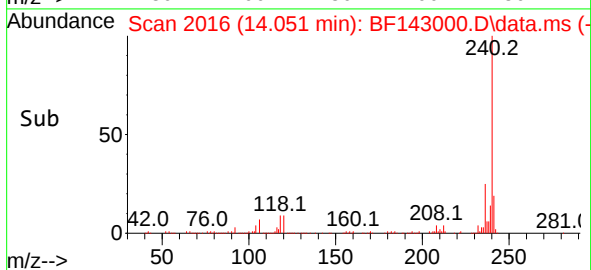
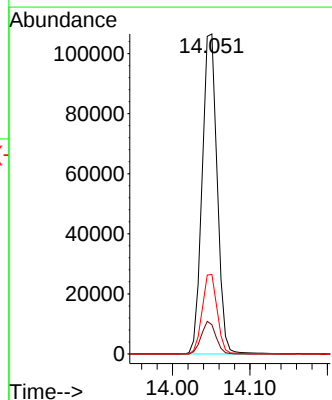
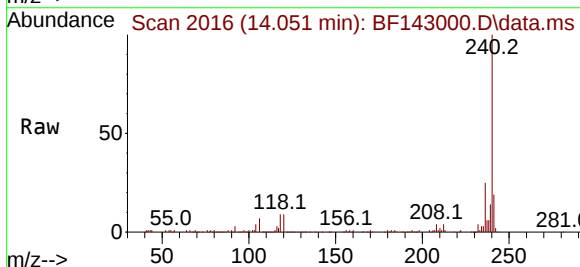
Instrument :
BNA_F
ClientSampleId :
TP-107

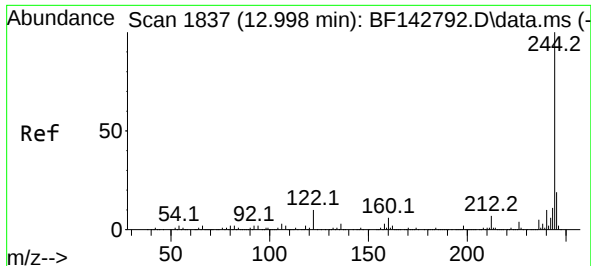
Tgt Ion:248 Resp: 7061
Ion Ratio Lower Upper
248 100
250 196.0 79.8 119.8#
141 486.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

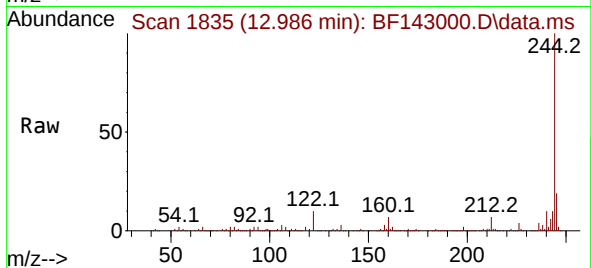
Tgt Ion:240 Resp: 143481
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.2
236 24.9 19.8 29.8



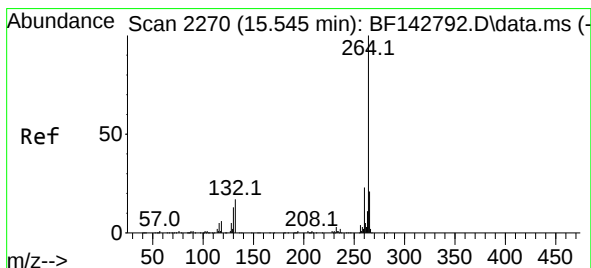
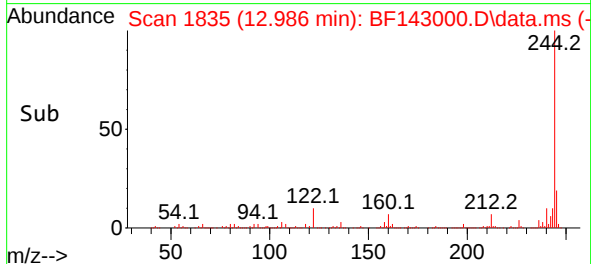
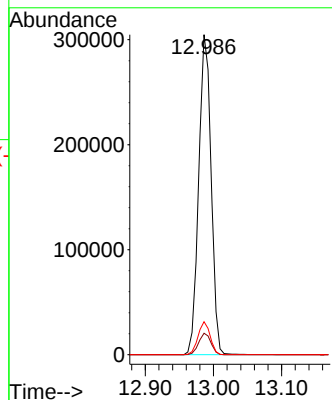


#79
 Terphenyl-d14
 Concen: 37.161 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143000.D
 Acq: 03 Jul 2025 16:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-107



Tgt Ion:244 Resp: 385890
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.3 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: BF143000.D
 Acq: 03 Jul 2025 16:59

Tgt Ion:264 Resp: 173151
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.1 27.1
 265 21.7 16.6 25.0

