

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142912.D
 Acq On : 30 Jun 2025 12:17
 Operator : RC/JU
 Sample : Q2430-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

Quant Time: Jun 30 12:48:52 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)

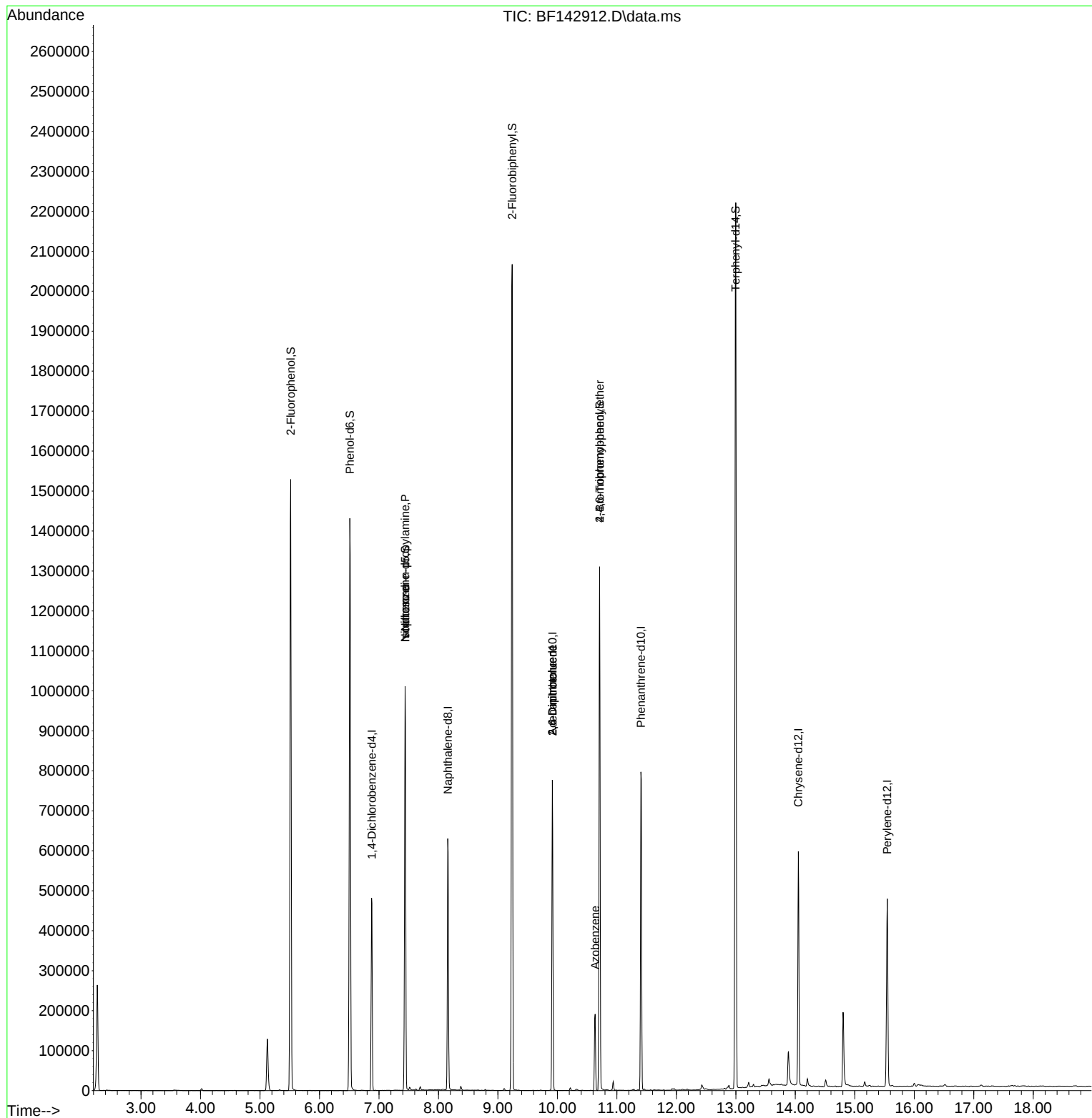
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	108047	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	421265	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	233509	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	430781	20.000	ng	0.00
76) Chrysene-d12	14.051	240	281490	20.000	ng	0.00
86) Perylene-d12	15.545	264	277942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	618331	95.280	ng	0.02
7) Phenol-d6	6.510	99	744523	97.241	ng	0.00
23) Nitrobenzene-d5	7.439	82	465313	60.586	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	229776	95.622	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	987398	55.549	ng	0.00
79) Terphenyl-d14	12.998	244	1138530	55.885	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	62878	14.120	ng	# 75
25) Isophorone	7.439	82	465308	37.768	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	30980	9.333	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	30980	7.026	ng	# 28
63) Azobenzene	10.633	77	46822	3.535	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	15199	3.100	ng	# 1

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

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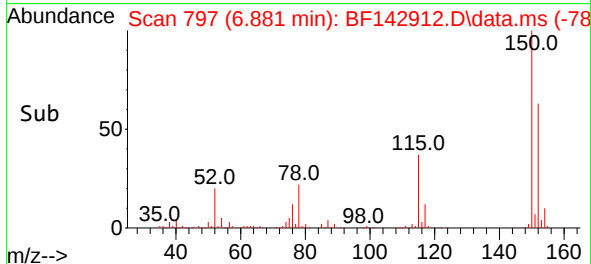
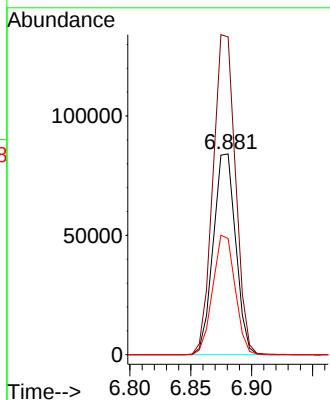
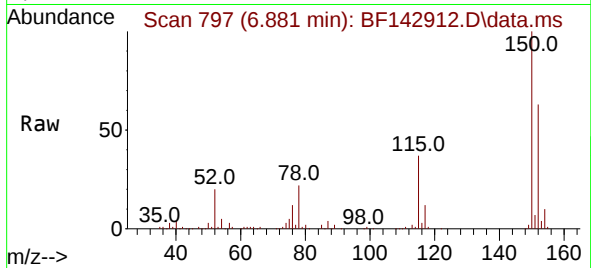




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142912.D
 Acq: 30 Jun 2025 12:17

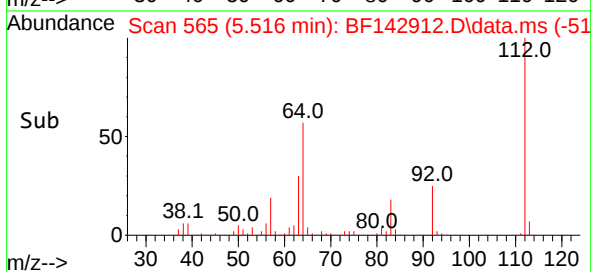
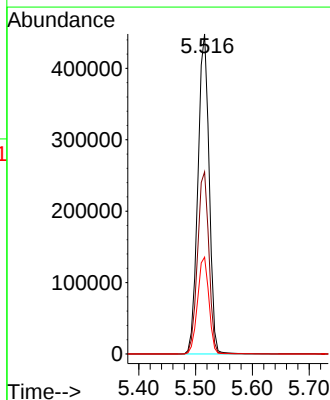
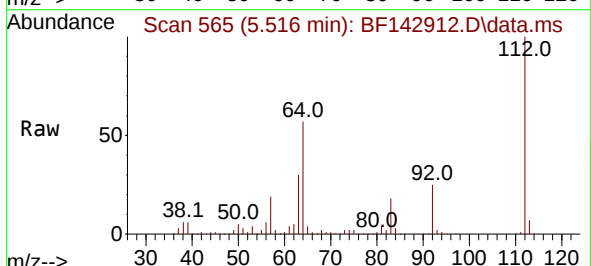
Instrument :
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 ClientSampleId :
 MH-E/F

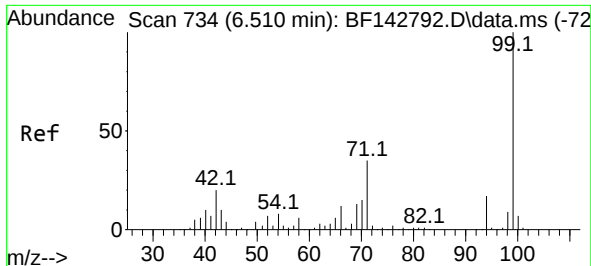
Tgt Ion:152 Resp: 108047
 Ion Ratio Lower Upper
 152 100
 150 158.2 127.2 190.8
 115 57.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 95.280 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.024 min
 Lab File: BF142912.D
 Acq: 30 Jun 2025 12:17

Tgt Ion:112 Resp: 618331
 Ion Ratio Lower Upper
 112 100
 64 56.9 48.2 72.2
 63 30.3 25.7 38.5

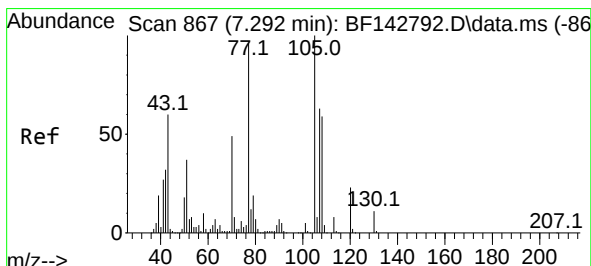
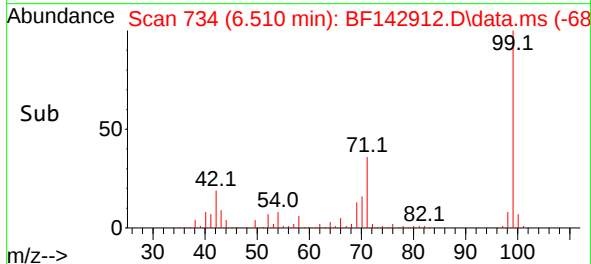
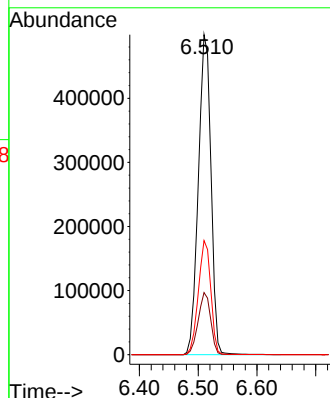
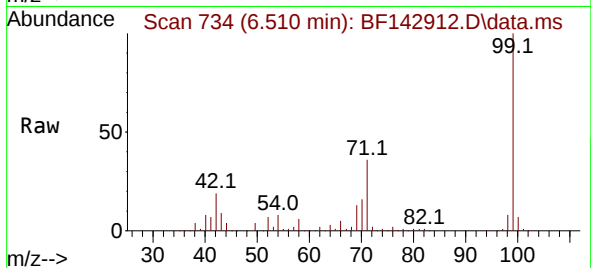




#7
Phenol-d6
Concen: 97.241 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

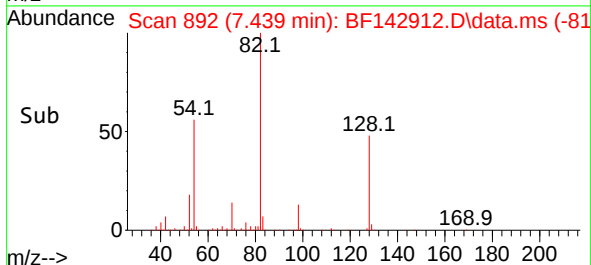
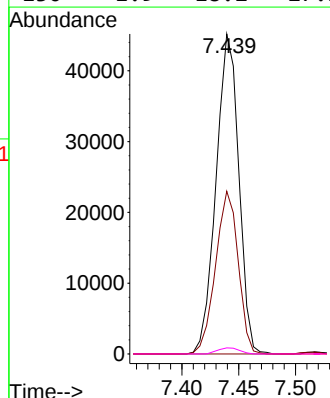
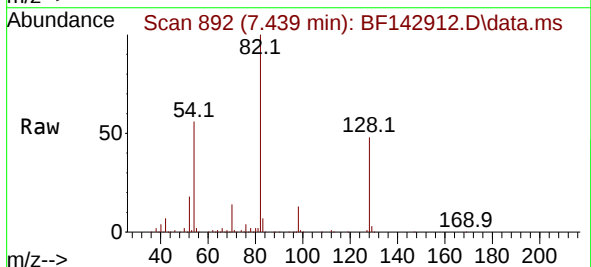
Instrument :
BNA_F
ClientSampleId :
MH-E/F

Tgt Ion: 99 Resp: 744523
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.120 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion: 70 Resp: 62878
Ion Ratio Lower Upper
70 100
42 50.8 52.1 78.1#
101 0.0 8.2 12.2#
130 1.9 18.2 27.2#

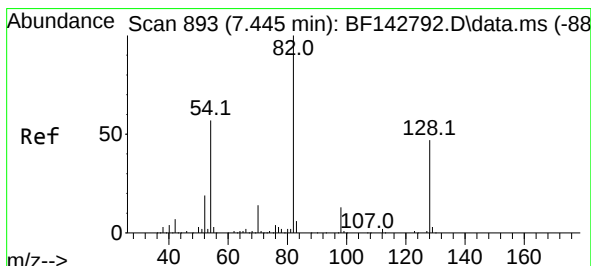
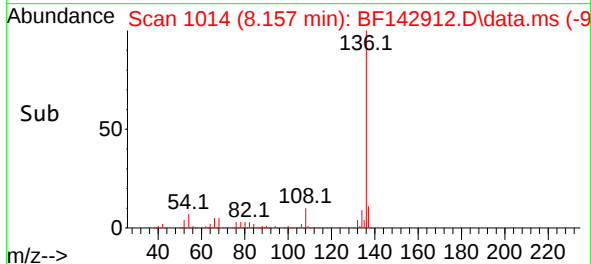
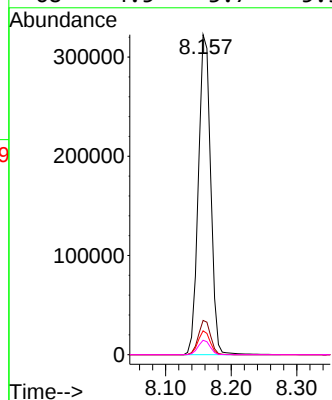
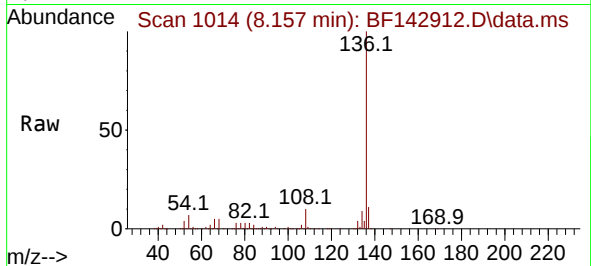




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

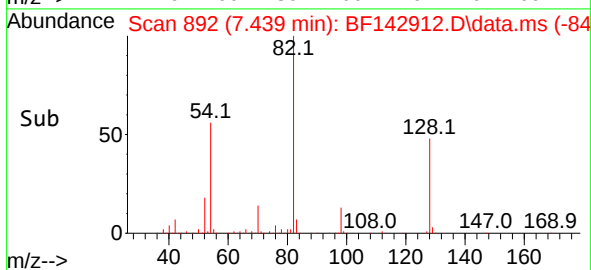
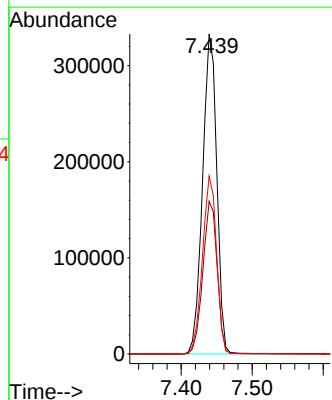
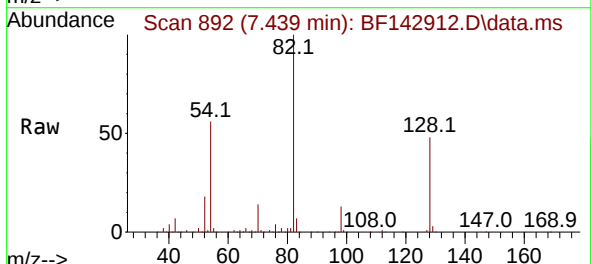
Instrument :
BNA_F
ClientSampleId :
MH-E/F

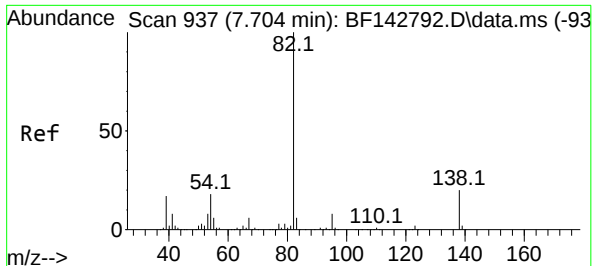
Tgt Ion:136	Resp: 421265
Ion Ratio	Lower Upper
136 100	
137 10.7	8.4 12.6
54 7.4	6.3 9.5
68 4.5	3.7 5.5



#23
Nitrobenzene-d5
Concen: 60.586 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion: 82	Resp: 465313
Ion Ratio	Lower Upper
82 100	
128 47.7	37.7 56.5
54 55.7	45.7 68.5

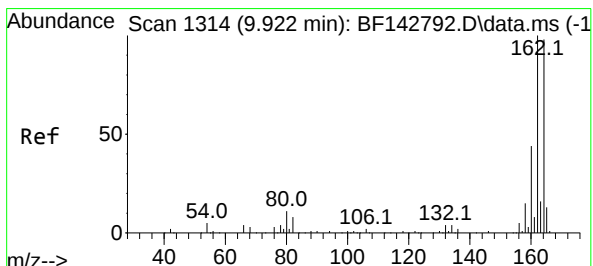
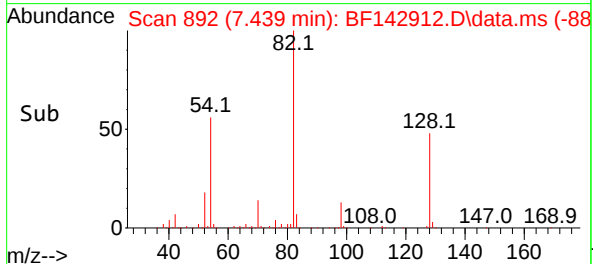
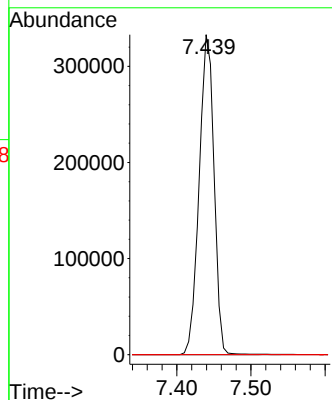
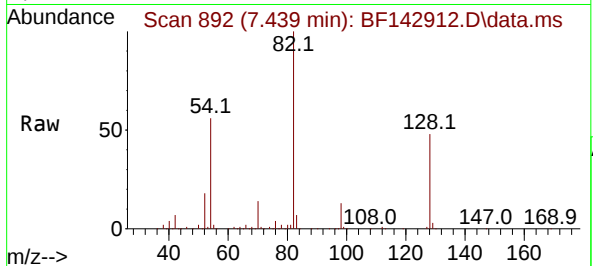




#25
Isophorone
Concen: 37.768 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

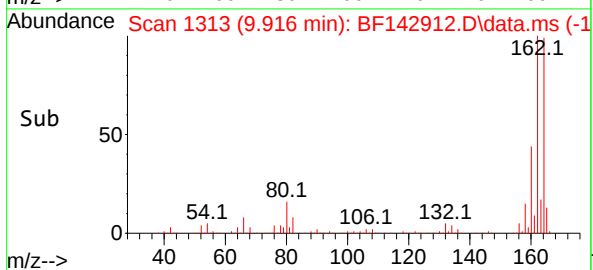
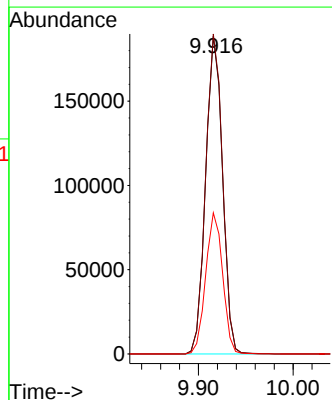
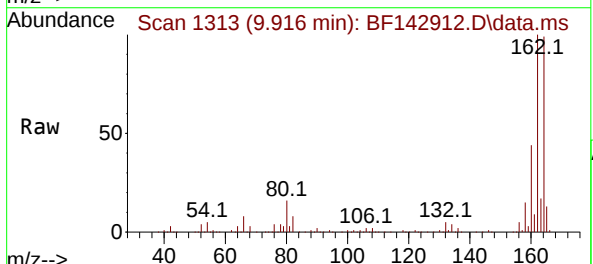
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ClientSampleId :
MH-E/F

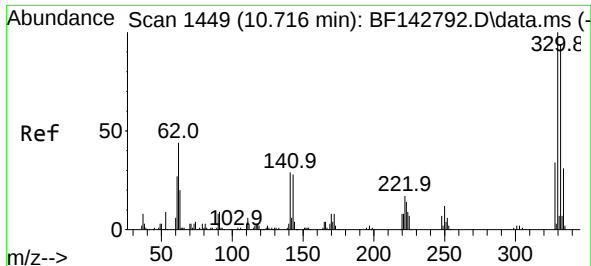
Tgt Ion: 82 Resp: 465308
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion:164 Resp: 233509
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 44.4 36.0 54.0

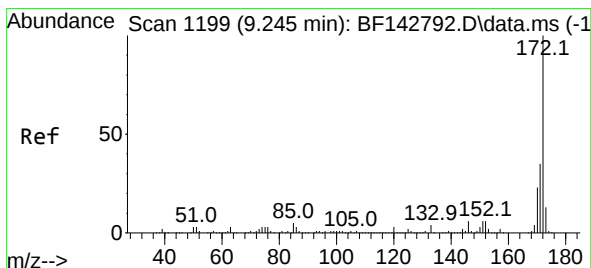
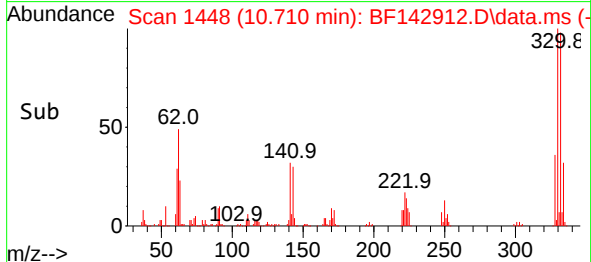
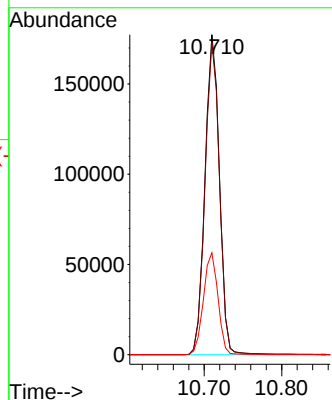
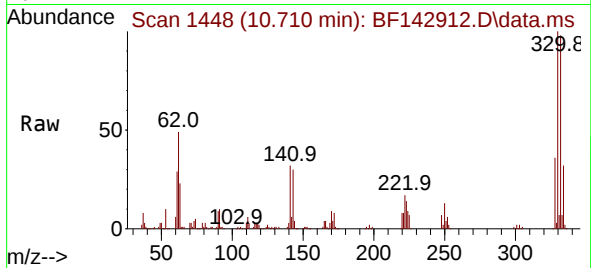




#42
2,4,6-Tribromophenol
Concen: 95.622 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

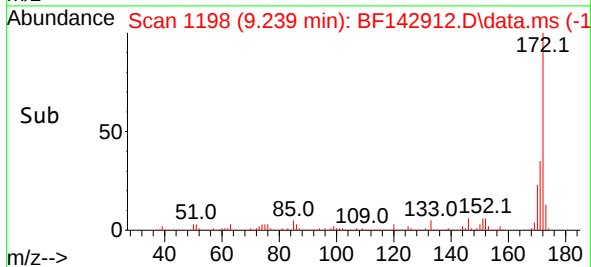
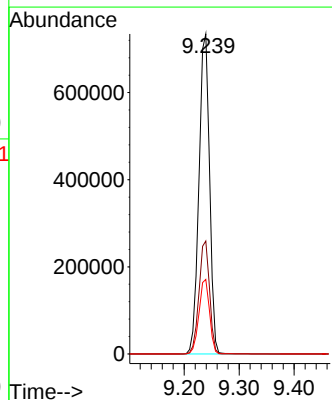
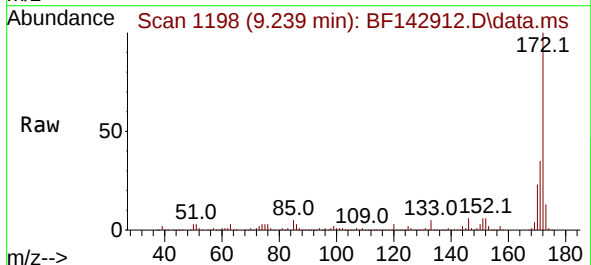
Instrument :
BNA_F
ClientSampleId :
MH-E/F

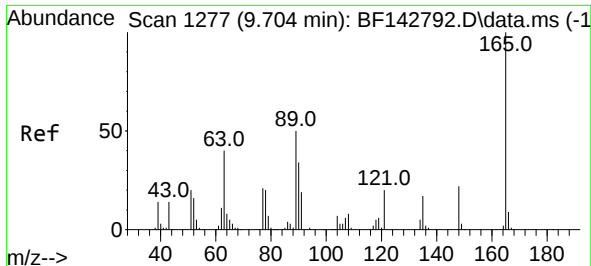
Tgt Ion: 330 Resp: 229776
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 55.549 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion: 172 Resp: 987398
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.3 18.5 27.7

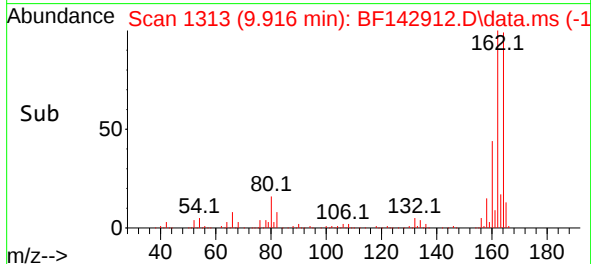
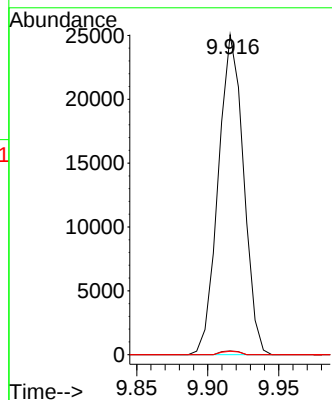
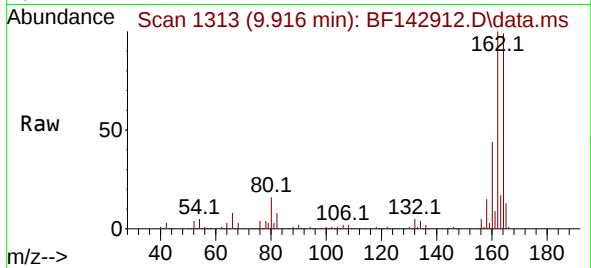




#51
2,6-Dinitrotoluene
Concen: 9.333 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

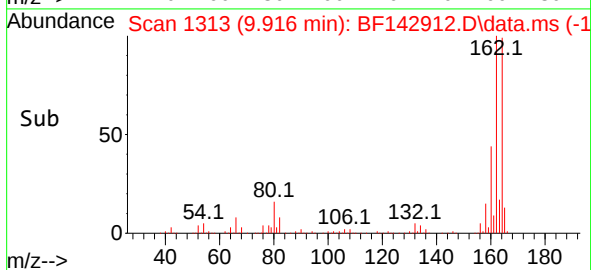
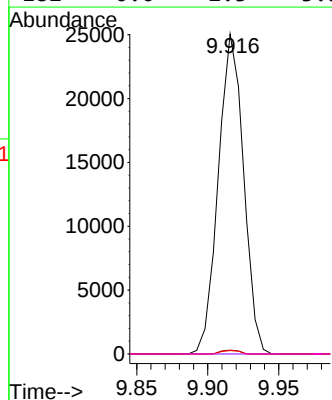
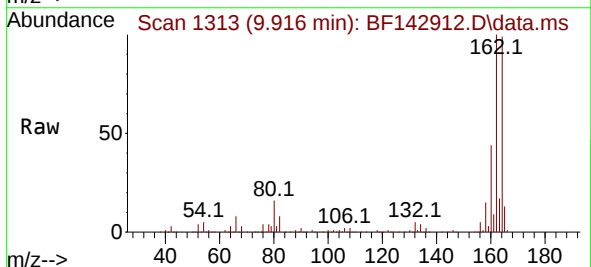
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ClientSampleId :
MH-E/F

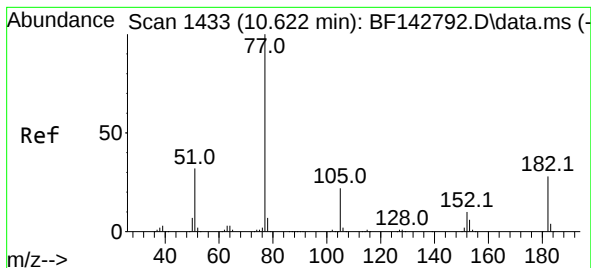
Tgt Ion:165 Resp: 30980
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 1.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.026 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion:165 Resp: 30980
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 1.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.535 ng

RT: 10.633 min Scan# 1433

Delta R.T. 0.012 min

Lab File: BF142912.D

Acq: 30 Jun 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MH-E/F

Tgt Ion: 77 Resp: 46822

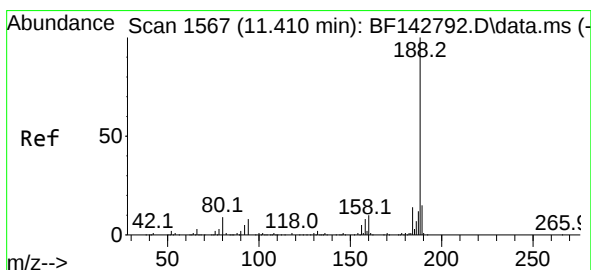
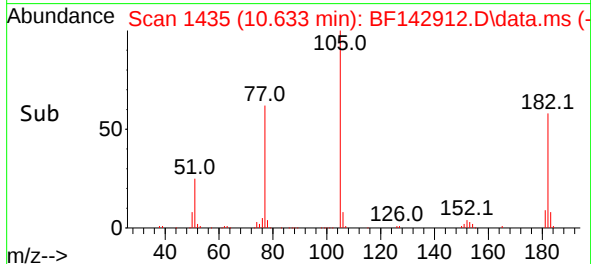
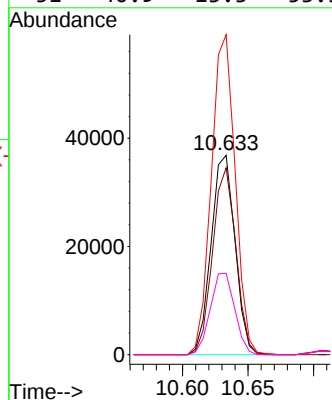
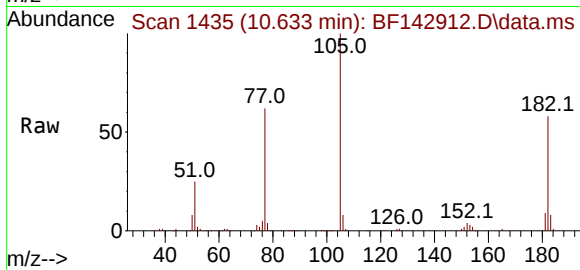
Ion Ratio Lower Upper

77 100

182 93.7 7.7 47.7#

105 160.5 1.9 41.9#

51 40.9 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: BF142912.D

Acq: 30 Jun 2025 12:17

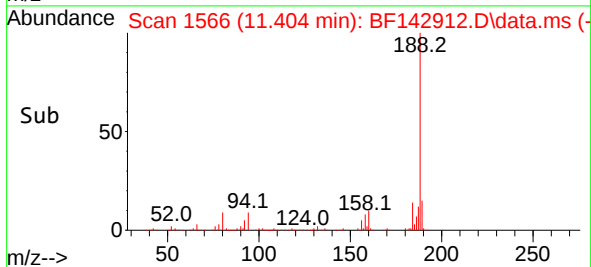
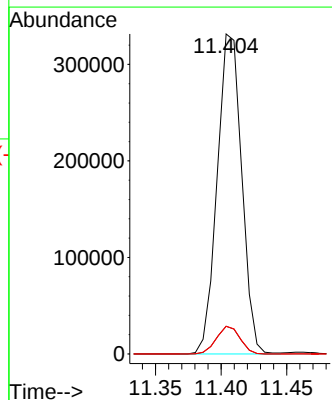
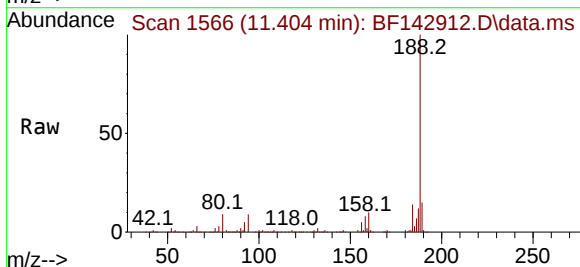
Tgt Ion:188 Resp: 430781

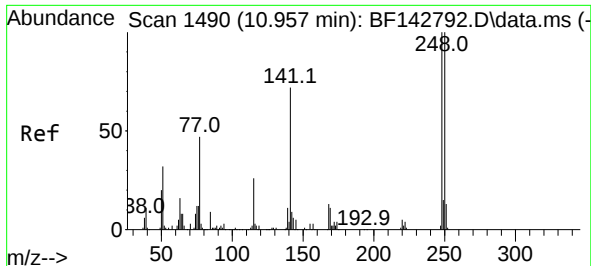
Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 8.6 6.9 10.3

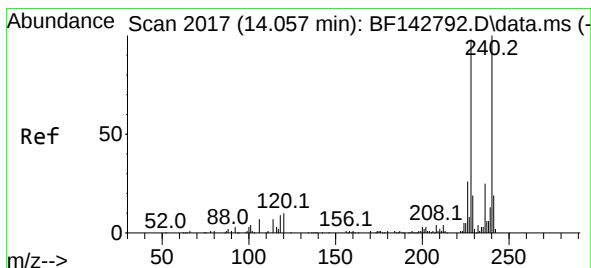
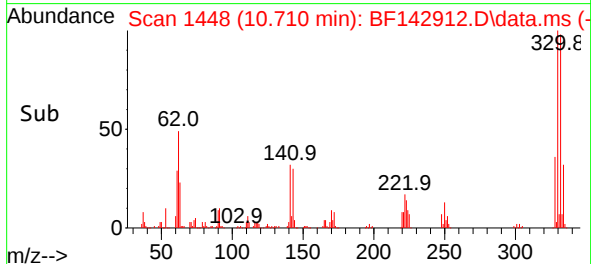
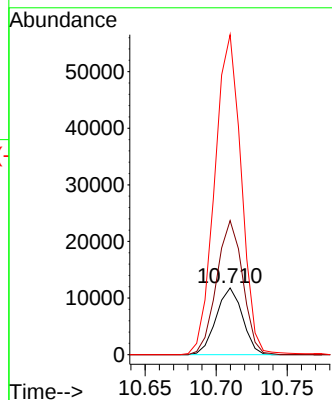
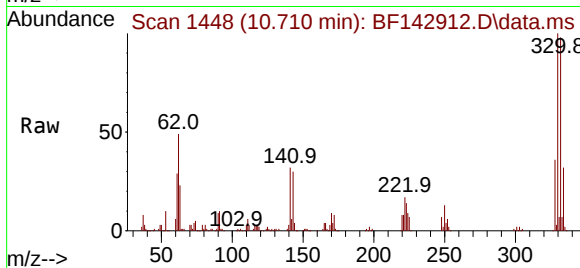




#67
4-Bromophenyl-phenylether
Concen: 3.100 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

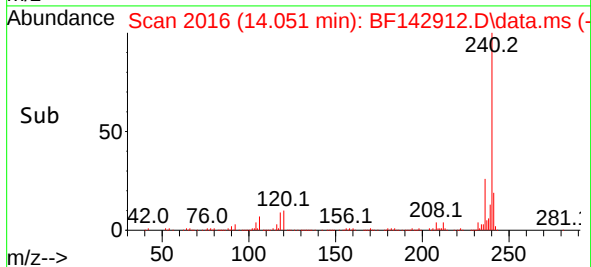
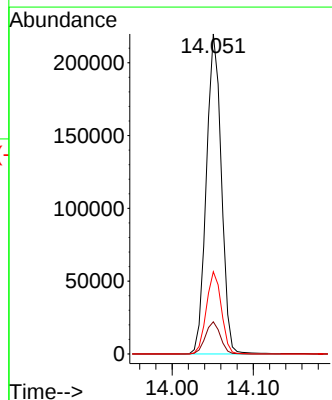
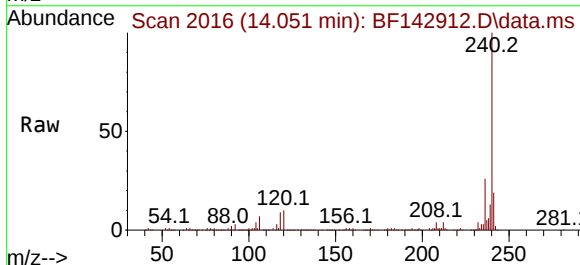
Instrument :
BNA_F
ClientSampleId :
MH-E/F

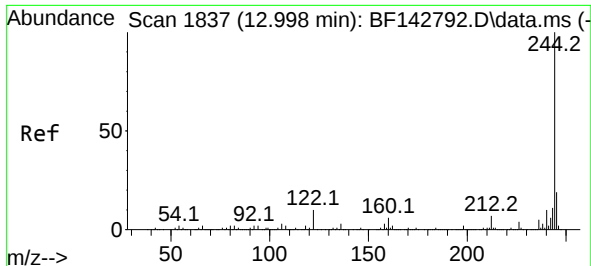
Tgt Ion:248 Resp: 15199
Ion Ratio Lower Upper
248 100
250 200.8 79.8 119.8#
141 479.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142912.D
Acq: 30 Jun 2025 12:17

Tgt Ion:240 Resp: 281490
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 25.7 19.8 29.8

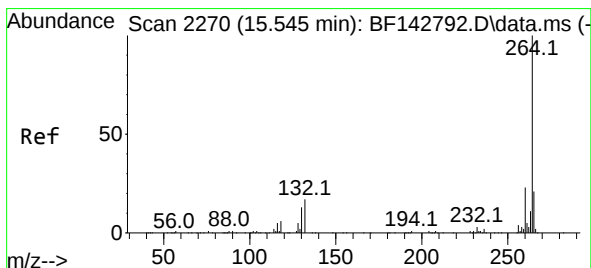
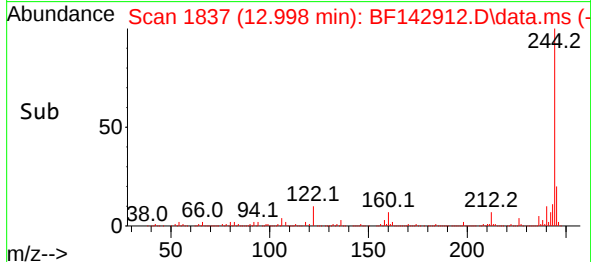
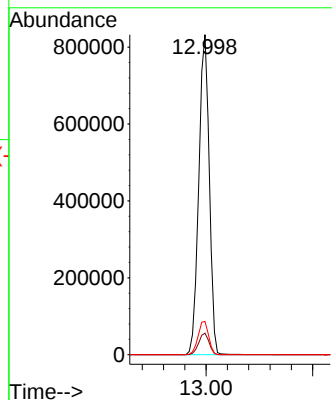
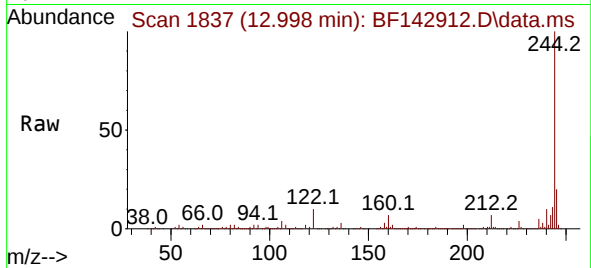




#79
 Terphenyl-d14
 Concen: 55.885 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: BF142912.D
 Acq: 30 Jun 2025 12:17

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

Tgt Ion:244 Resp: 1138530
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.4 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. -0.000 min
 Lab File: BF142912.D
 Acq: 30 Jun 2025 12:17

Tgt Ion:264 Resp: 277942
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 21.6 16.6 25.0

