

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142919.D
 Acq On : 30 Jun 2025 17:11
 Operator : RC/JU
 Sample : Q2430-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

Quant Time: Jun 30 17:49:05 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)

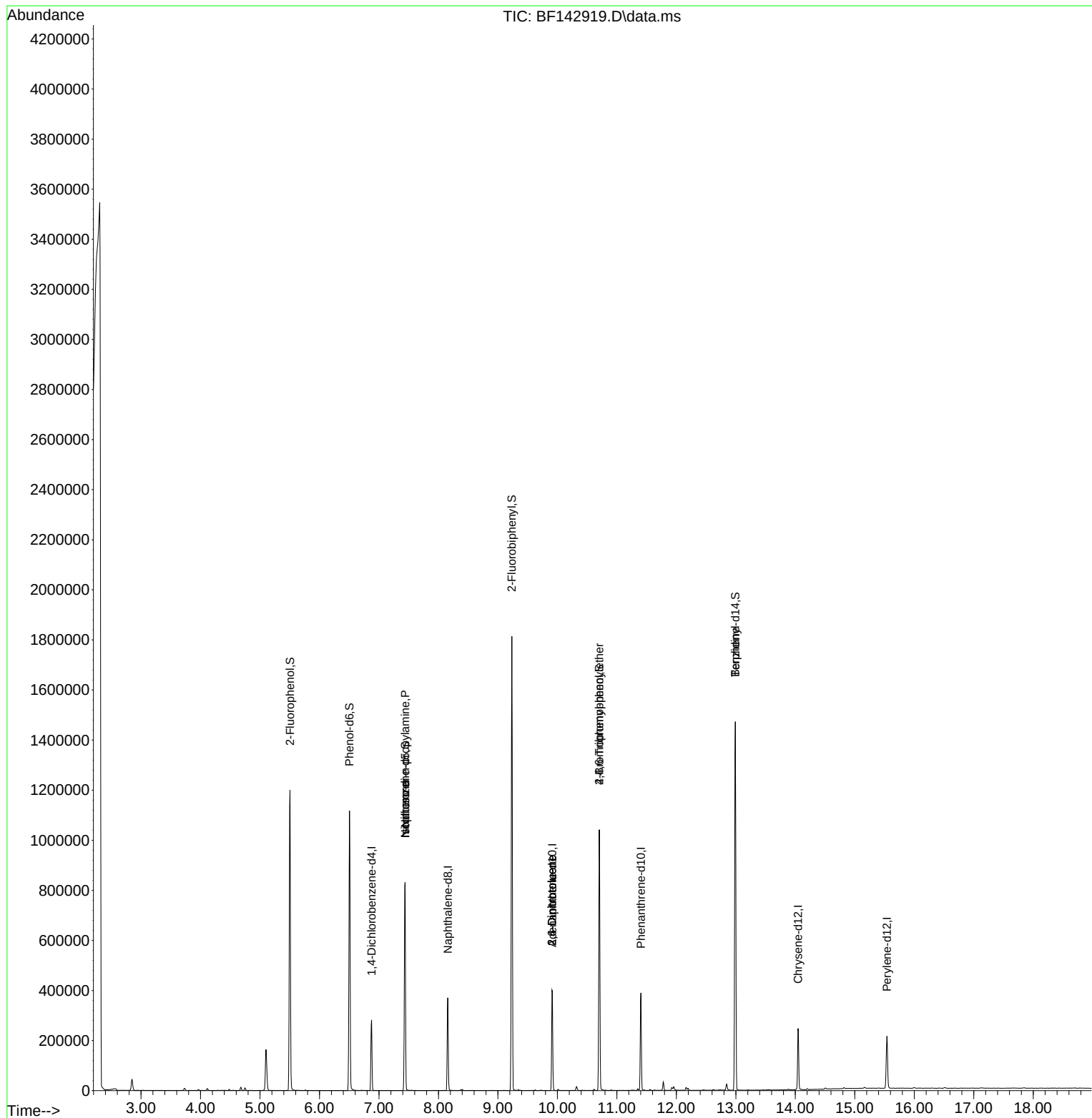
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62684	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239879	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	124440	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	208472	20.000	ng	0.00
76) Chrysene-d12	14.045	240	125140	20.000	ng	-0.01
86) Perylene-d12	15.539	264	125792	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	476011	126.431	ng	0.01
7) Phenol-d6	6.504	99	532499	119.880	ng	0.00
23) Nitrobenzene-d5	7.439	82	376267	86.037	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	180587	141.021	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	812933	85.819	ng	-0.01
79) Terphenyl-d14	12.992	244	722969	79.825	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	51001	19.741	ng	# 73
25) Isophorone	7.439	82	374092	53.324	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15891	8.983	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	15891	6.763	ng	# 27
67) 4-Bromophenyl-phenylether	10.704	248	11797	4.972	ng	# 1
77) Benzidine	12.992	184	9465	2.013	ng	# 89

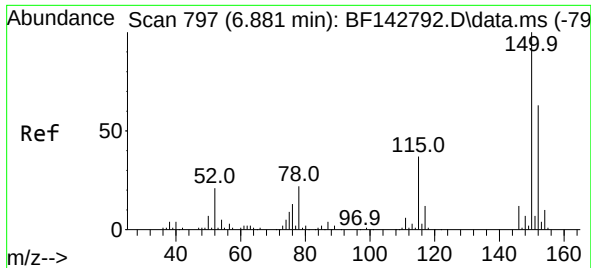
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142919.D
Acq On : 30 Jun 2025 17:11
Operator : RC/JU
Sample : Q2430-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-E/F

Quant Time: Jun 30 17:49:05 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

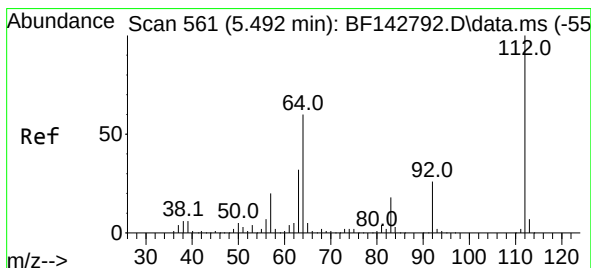
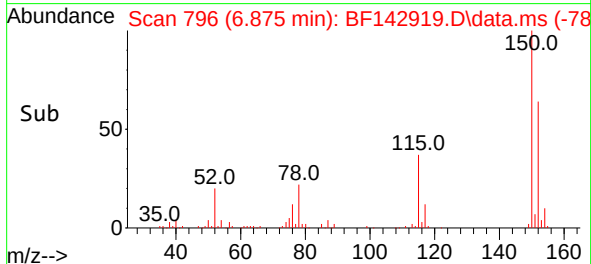
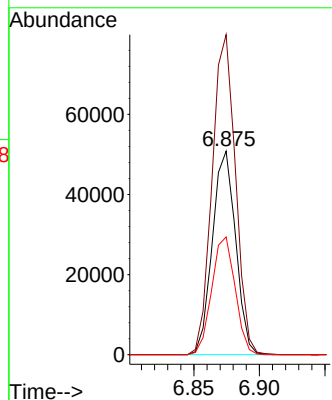
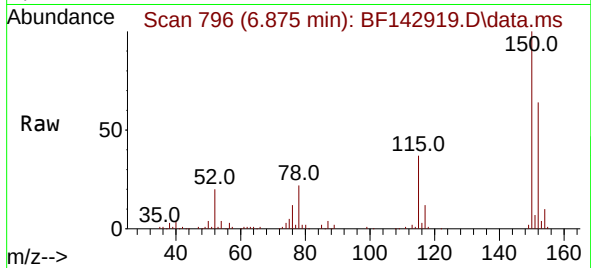




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

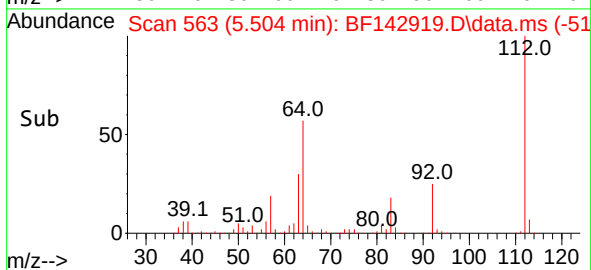
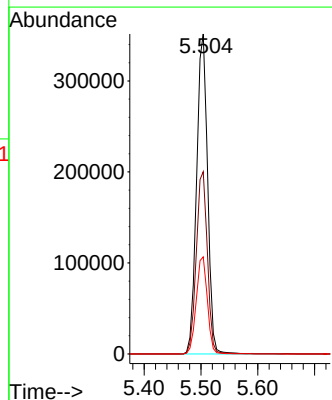
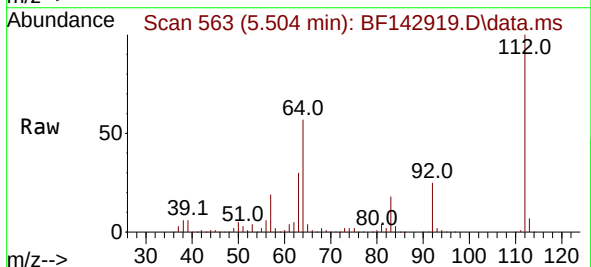
Instrument :
BNA_F
ClientSampleId :
MH-E/F

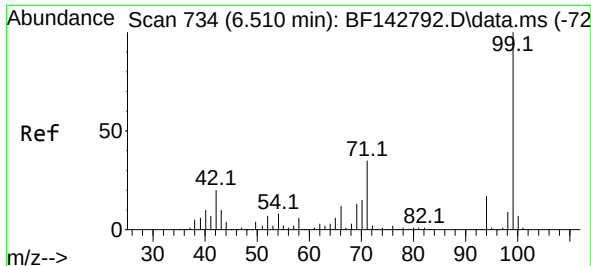
Tgt Ion:152 Resp: 62684
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 126.431 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion:112 Resp: 476011
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.3 25.7 38.5

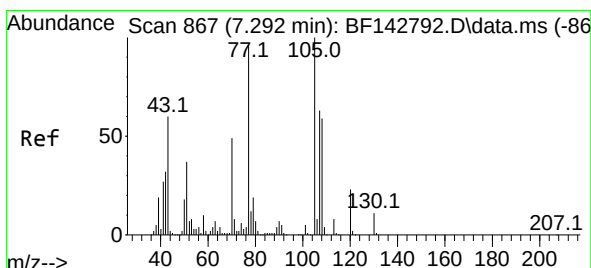
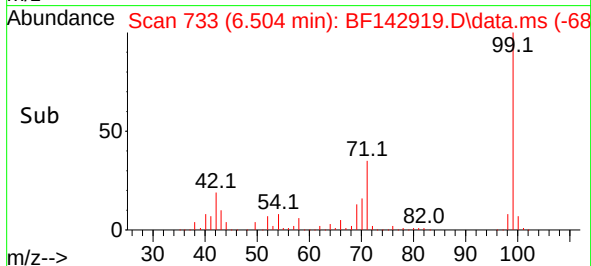
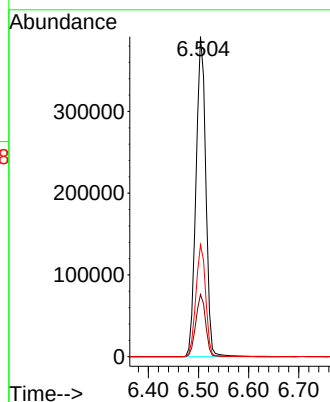
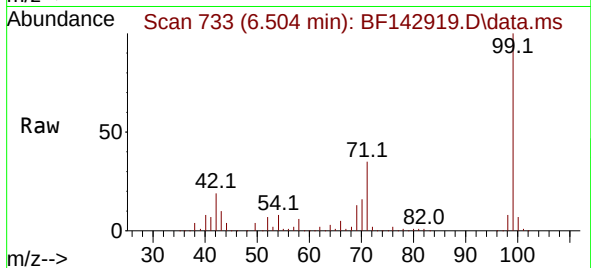




#7
Phenol-d6
Concen: 119.880 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

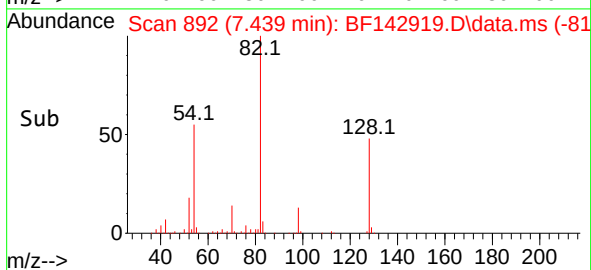
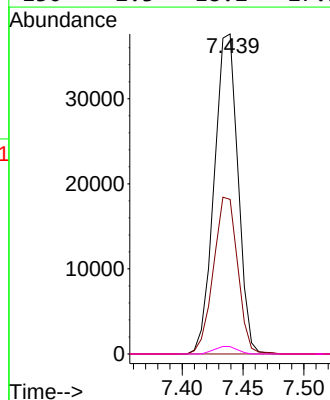
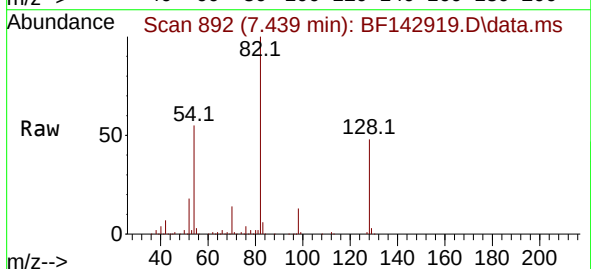
Instrument :
BNA_F
ClientSampleId :
MH-E/F

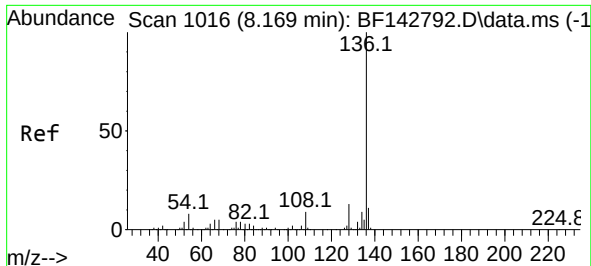
Tgt Ion: 99 Resp: 532499
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.741 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion: 70 Resp: 51001
Ion Ratio Lower Upper
70 100
42 48.3 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

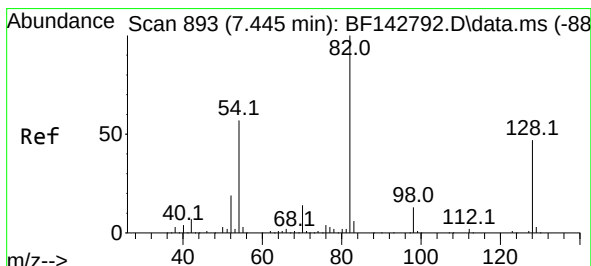
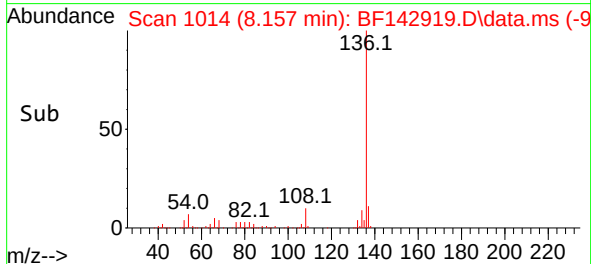
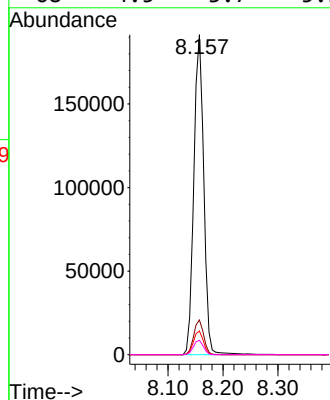
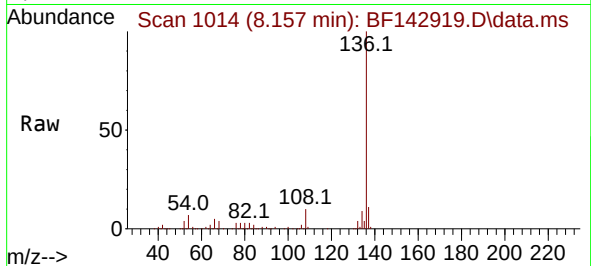




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

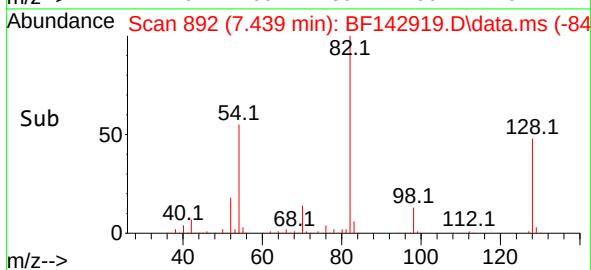
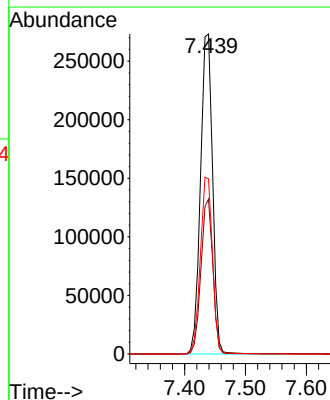
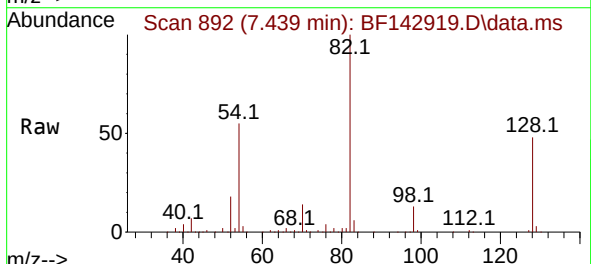
Instrument :
BNA_F
ClientSampleId :
MH-E/F

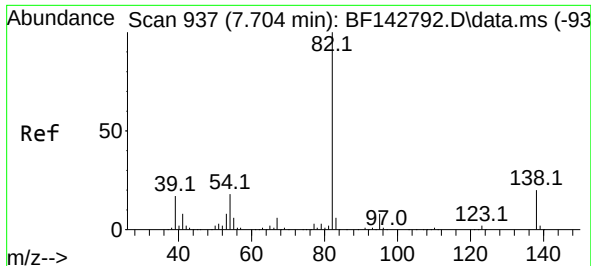
Tgt Ion:136 Resp: 239879
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.4 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 86.037 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion: 82 Resp: 376267
Ion Ratio Lower Upper
82 100
128 48.4 37.7 56.5
54 54.8 45.7 68.5

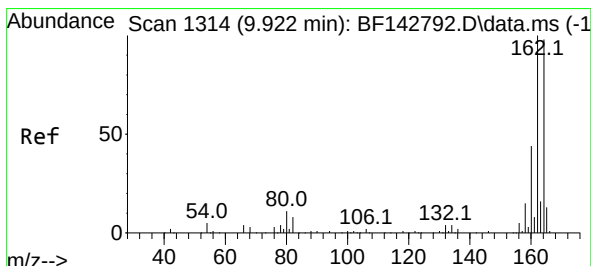
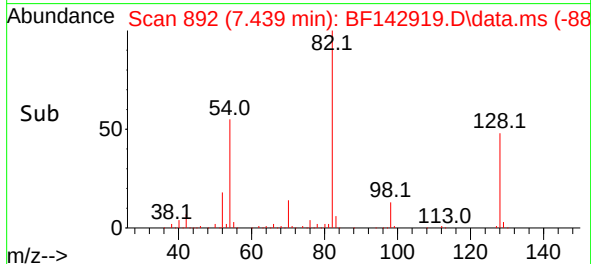
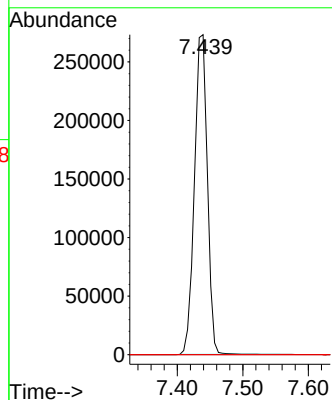
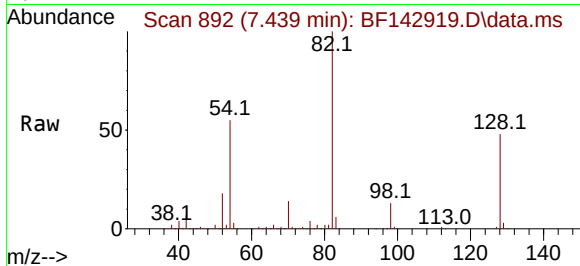




#25
Isophorone
Concen: 53.324 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

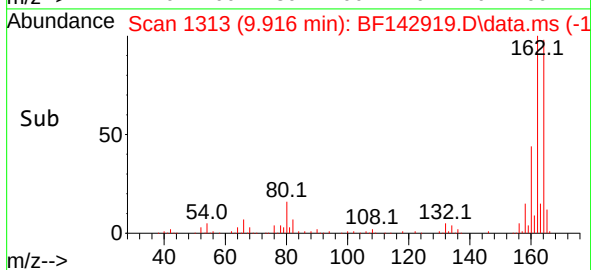
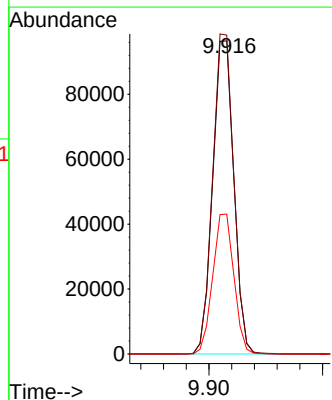
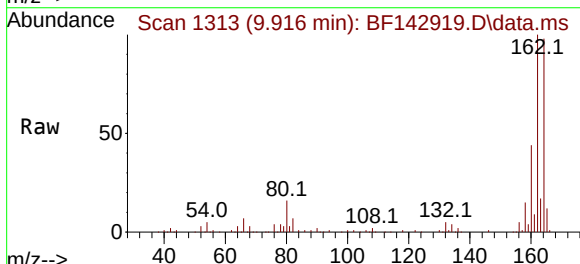
Instrument :
BNA_F
ClientSampleId :
MH-E/F

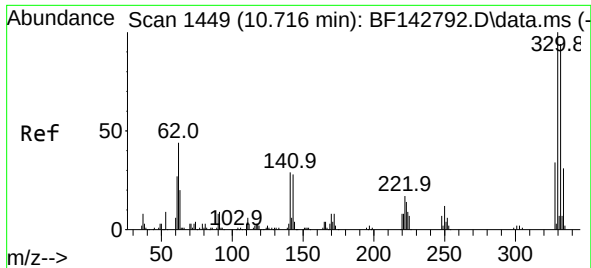
Tgt Ion: 82 Resp: 374092
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion:164 Resp: 124440
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.8
160 44.7 36.0 54.0

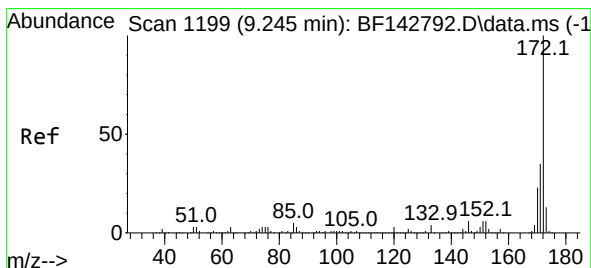
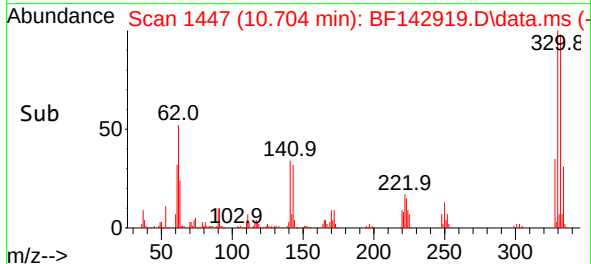
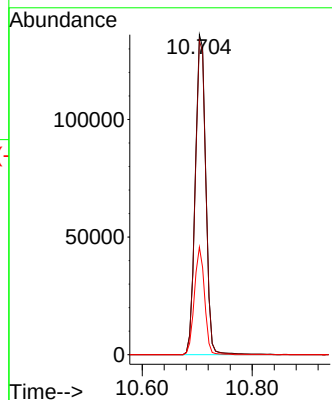
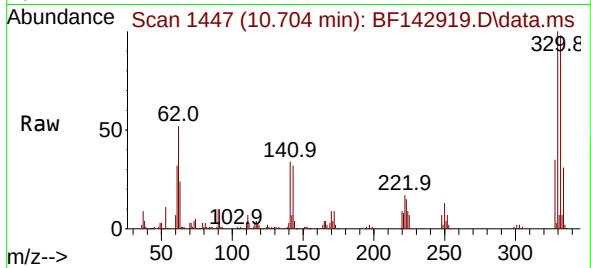




#42
2,4,6-Tribromophenol
Concen: 141.021 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

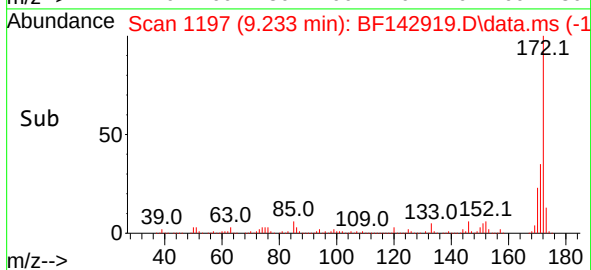
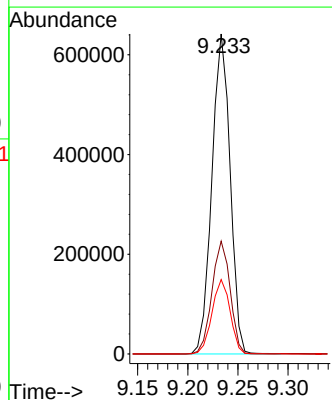
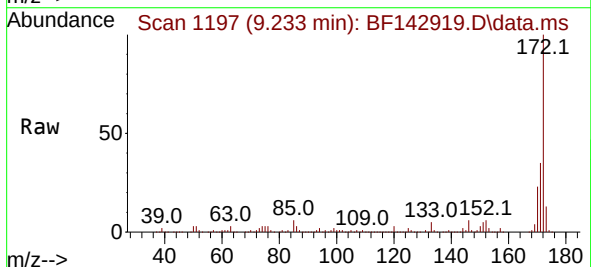
Instrument :
BNA_F
ClientSampleId :
MH-E/F

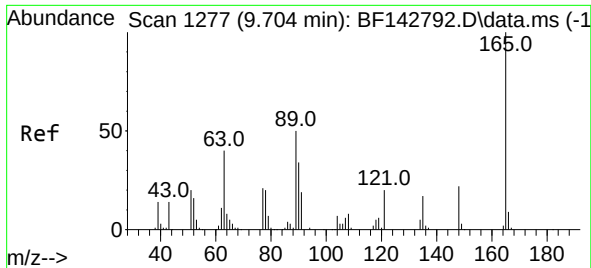
Tgt Ion: 330 Resp: 180587
Ion Ratio Lower Upper
330 100
332 98.4 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 85.819 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion: 172 Resp: 812933
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.3 18.5 27.7

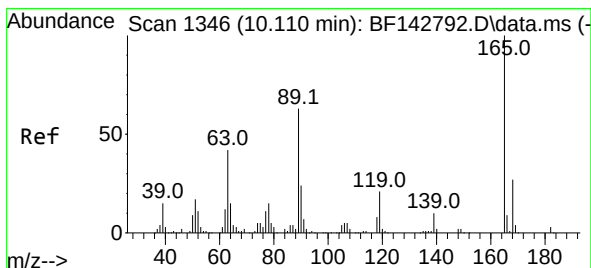
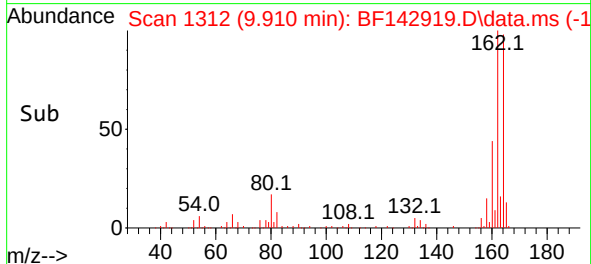
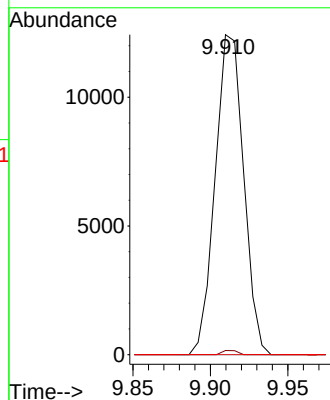
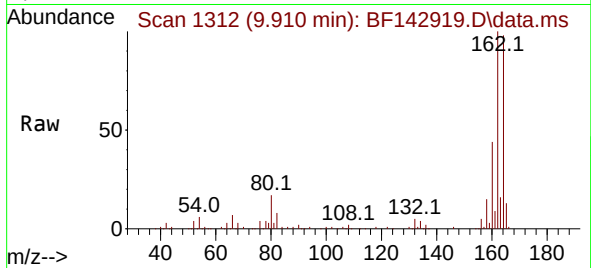




#51
2,6-Dinitrotoluene
Concen: 8.983 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

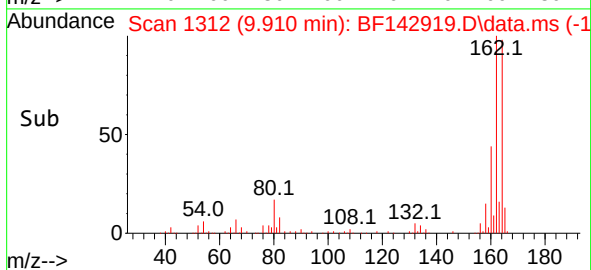
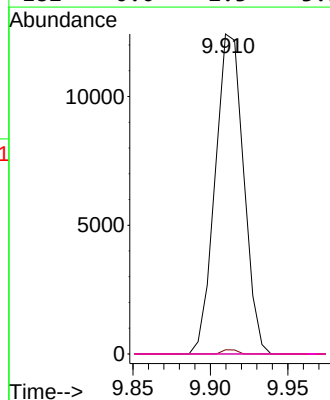
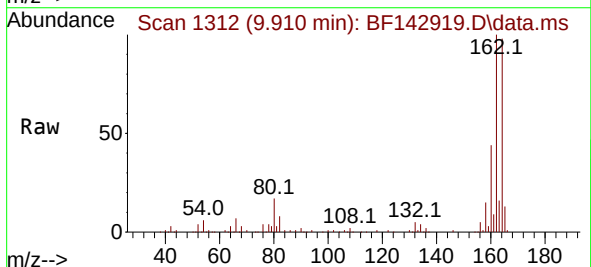
Instrument :
BNA_F
ClientSampleId :
MH-E/F

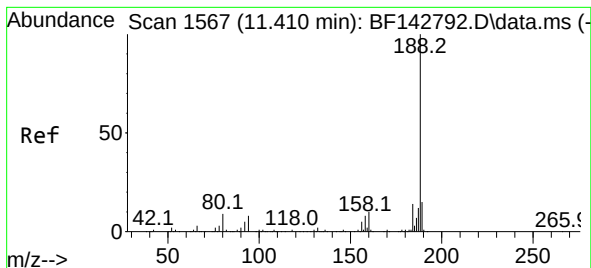
Tgt Ion:165 Resp: 15891
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.763 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142919.D
Acq: 30 Jun 2025 17:11

Tgt Ion:165 Resp: 15891
Ion Ratio Lower Upper
165 100
63 1.3 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142919.D

Acq: 30 Jun 2025 17:11

Instrument :

BNA_F

ClientSampleId :

MH-E/F

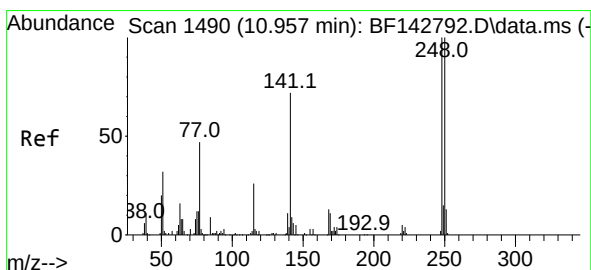
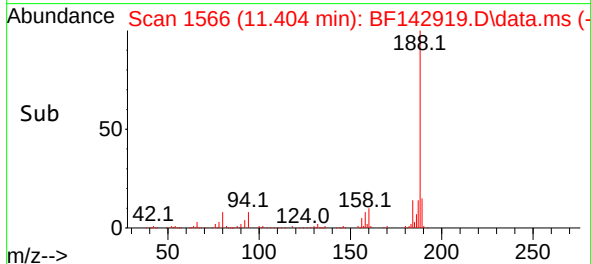
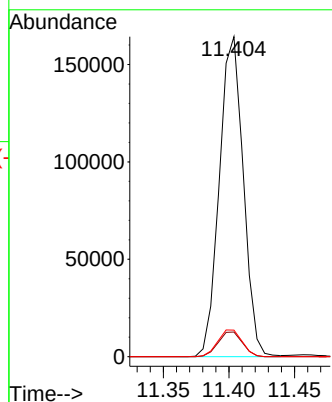
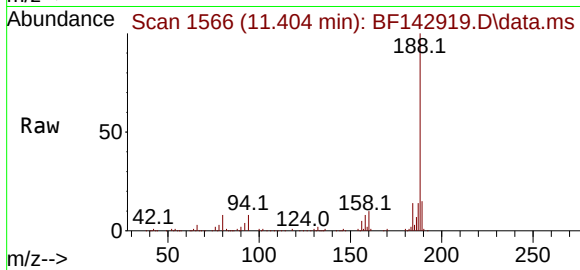
Tgt Ion:188 Resp: 208472

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.972 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142919.D

Acq: 30 Jun 2025 17:11

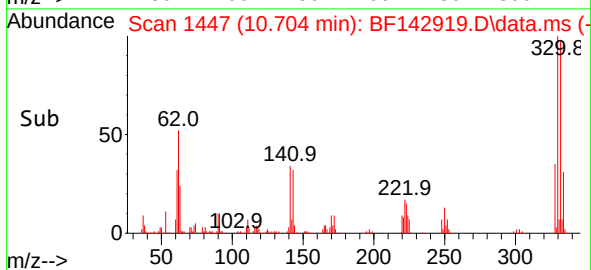
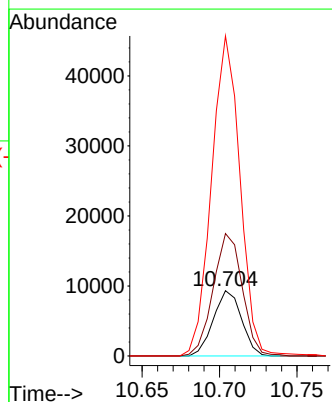
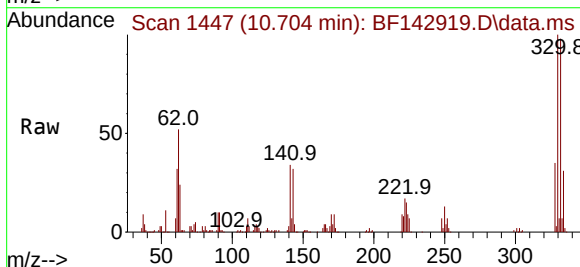
Tgt Ion:248 Resp: 11797

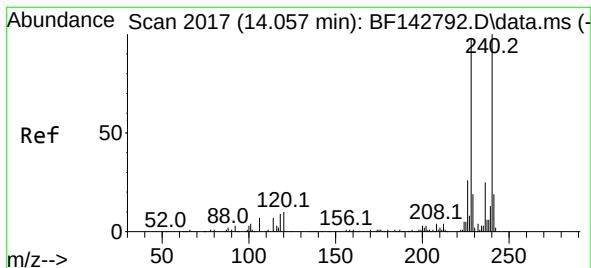
Ion Ratio Lower Upper

248 100

250 187.5 79.8 119.8#

141 490.2 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142919.D

Acq: 30 Jun 2025 17:11

Instrument :

BNA_F

ClientSampleId :

MH-E/F

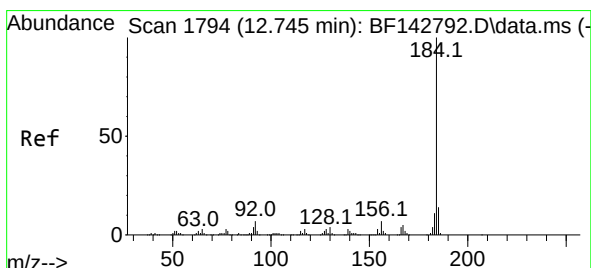
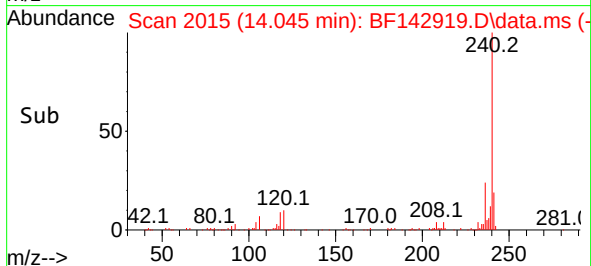
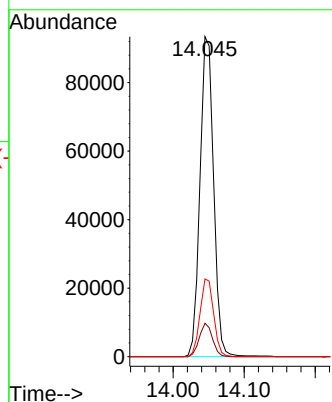
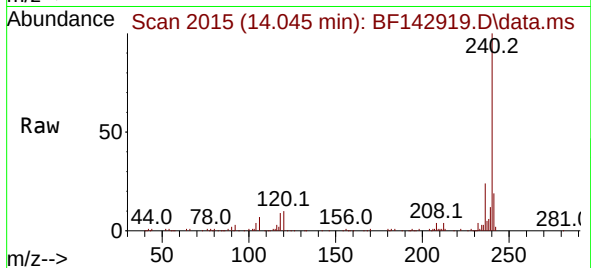
Tgt Ion:240 Resp: 125140

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 24.3 19.8 29.8



#77

Benzdine

Concen: 2.013 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142919.D

Acq: 30 Jun 2025 17:11

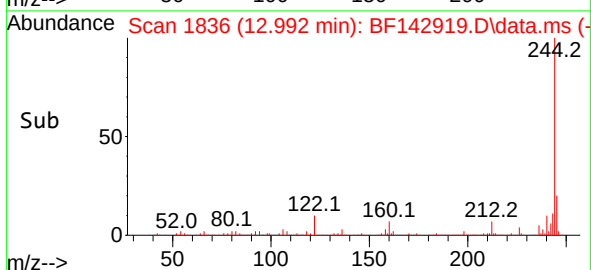
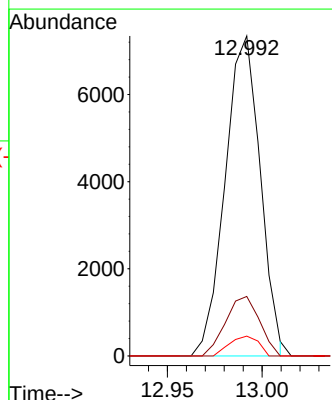
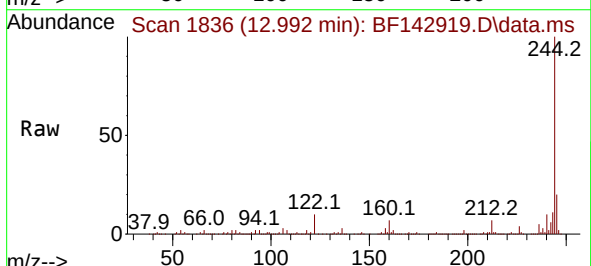
Tgt Ion:184 Resp: 9465

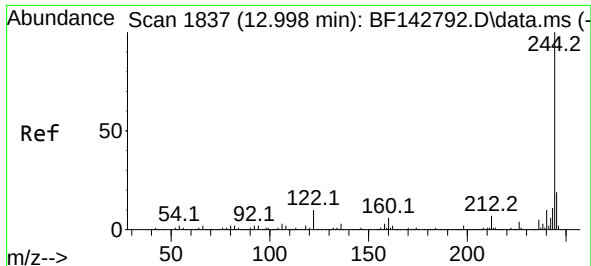
Ion Ratio Lower Upper

184 100

185 18.6 11.5 17.3#

183 6.2 9.0 13.4#

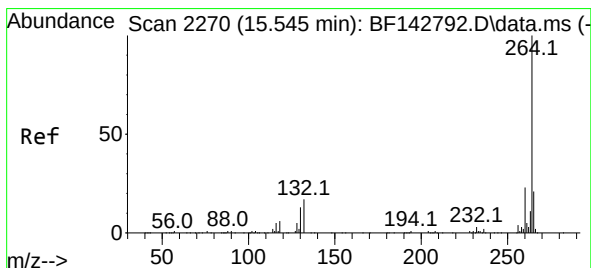
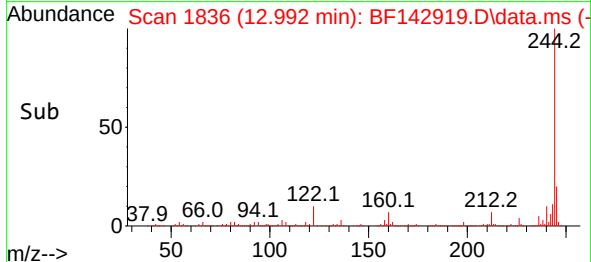
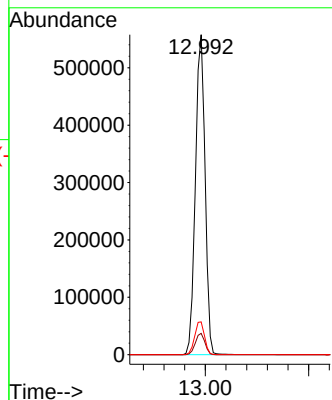
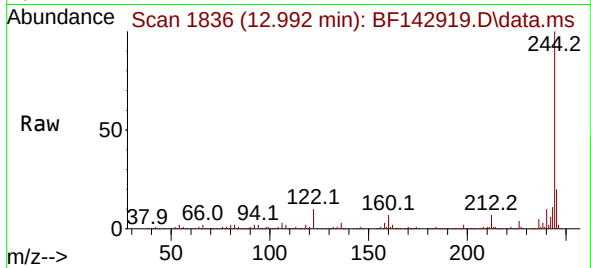




#79
 Terphenyl-d14
 Concen: 79.825 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142919.D
 Acq: 30 Jun 2025 17:11

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

Tgt Ion:244 Resp: 722969
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.2 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: BF142919.D
 Acq: 30 Jun 2025 17:11

Tgt Ion:264 Resp: 125792
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 21.2 16.6 25.0

