

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143026.D
 Acq On : 08 Jul 2025 11:24
 Operator : RC/JU
 Sample : PB168716BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168716BL

Quant Time: Jul 08 11:46:17 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)

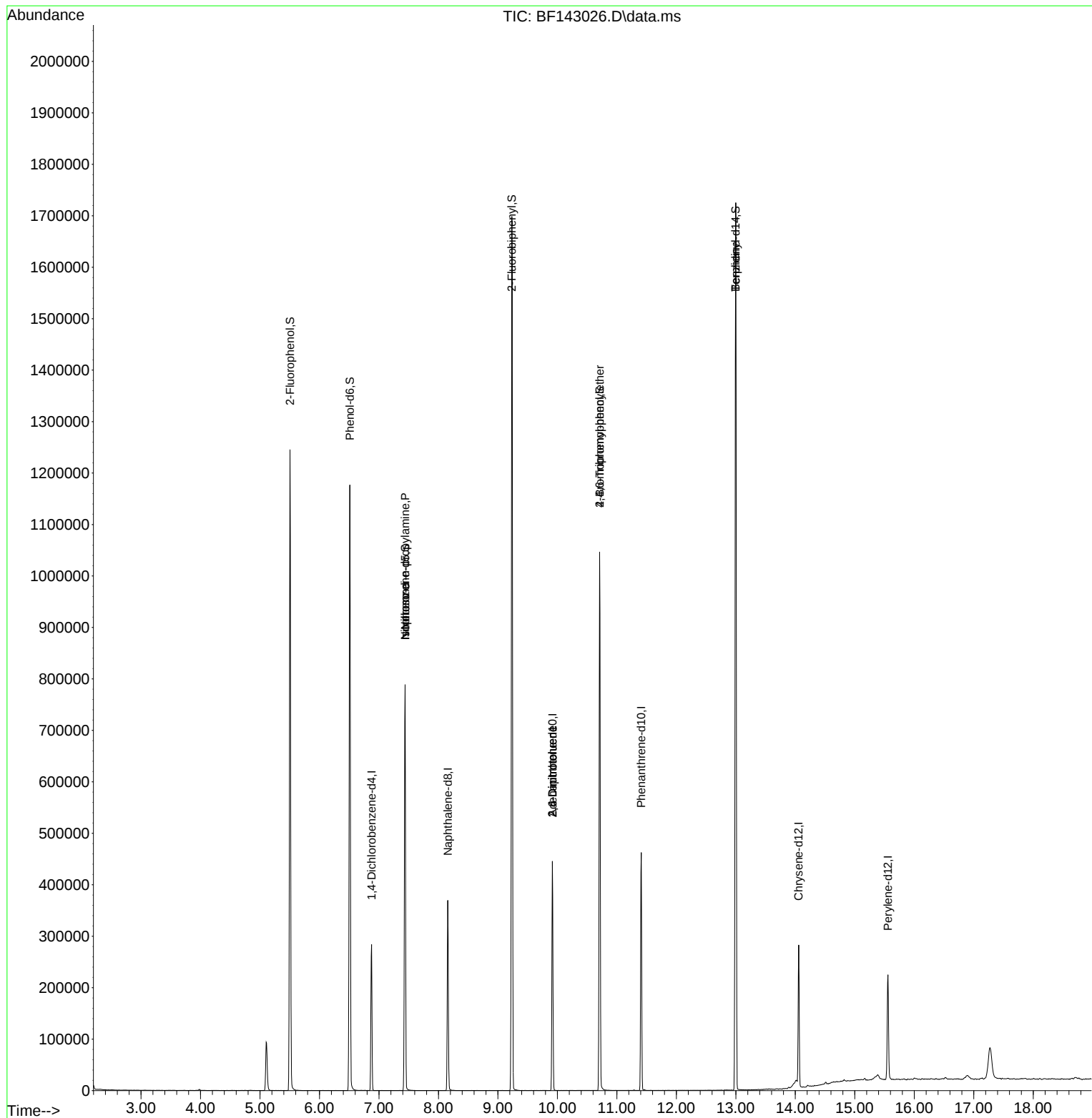
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62899	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	246391	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	135369	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	247916	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134036	20.000	ng	0.00
86) Perylene-d12	15.556	264	119715	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	485787	128.587	ng	0.01
7) Phenol-d6	6.510	99	576634	129.372	ng	0.00
23) Nitrobenzene-d5	7.439	82	358579	79.826	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	189880	136.306	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	810317	78.636	ng	-0.01
79) Terphenyl-d14	12.998	244	855453	88.184	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	48860	18.848	ng	# 74
25) Isophorone	7.439	82	356494	49.472	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	17296	8.988	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	17296	6.767	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	11979	4.246	ng	# 1
77) Benzidine	12.998	184	10689	2.123	ng	# 92

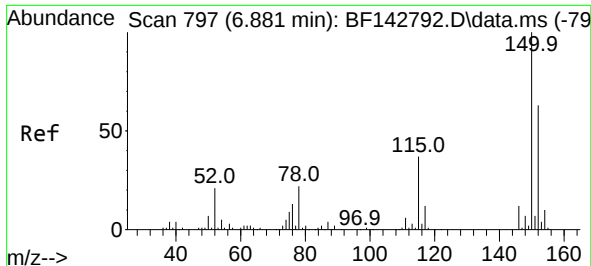
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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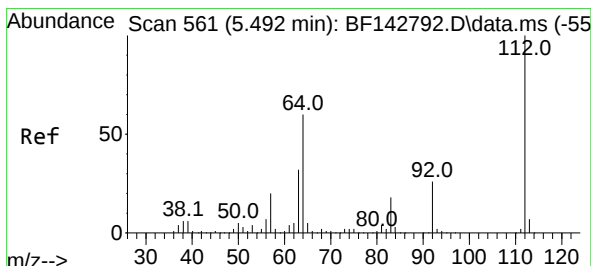
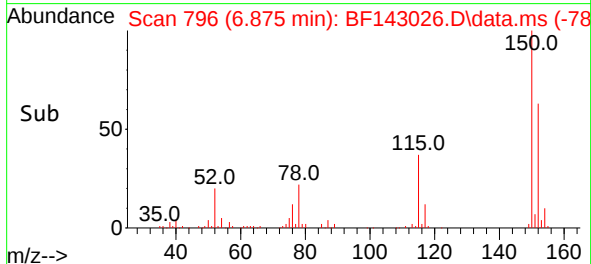
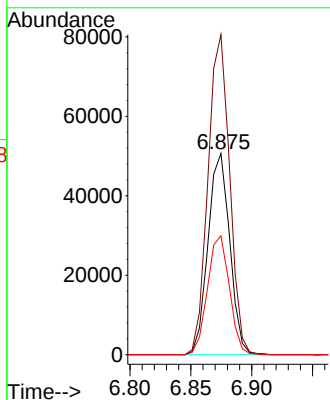
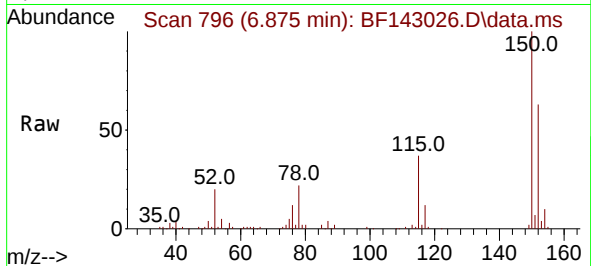




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

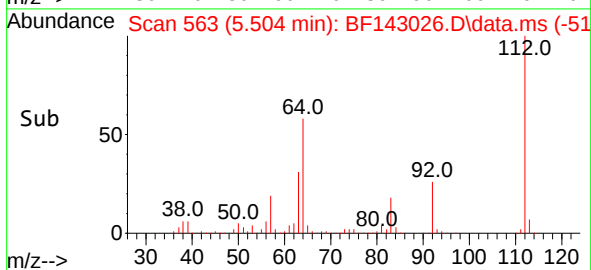
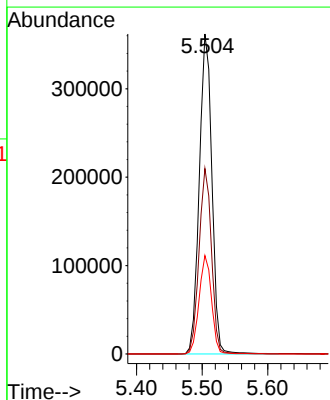
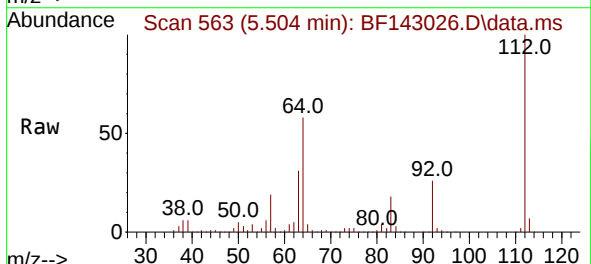
Instrument :
BNA_F
ClientSampleId :
PB168716BL

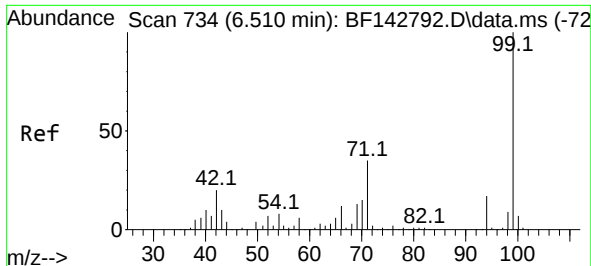
Tgt Ion:152 Resp: 62899
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 128.587 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:112 Resp: 485787
Ion Ratio Lower Upper
112 100
64 57.9 48.2 72.2
63 30.8 25.7 38.5

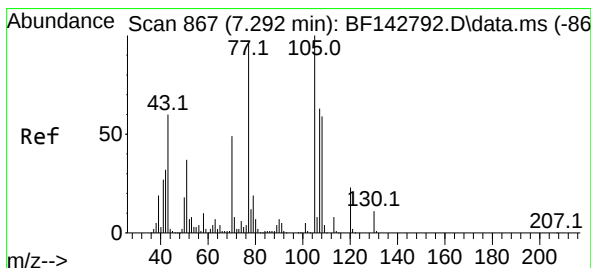
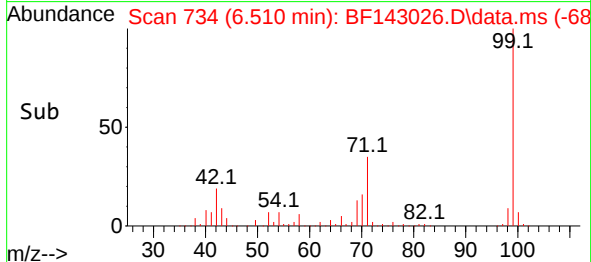
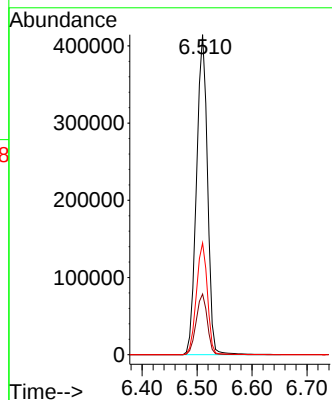
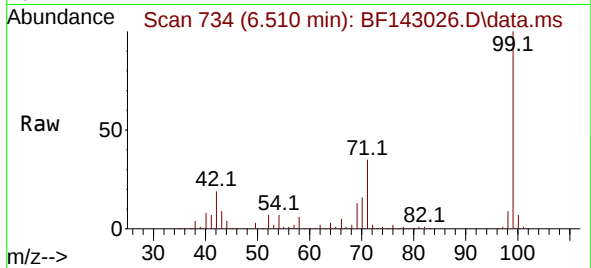




#7
Phenol-d6
Concen: 129.372 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

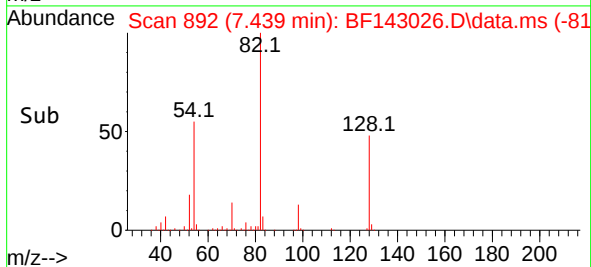
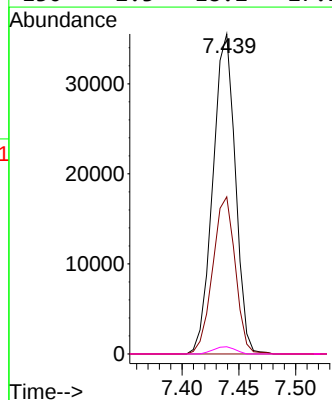
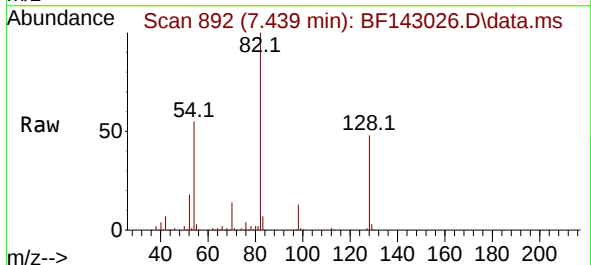
Instrument :
BNA_F
ClientSampleId :
PB168716BL

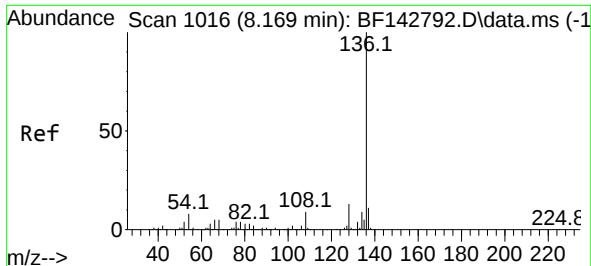
Tgt Ion: 99 Resp: 576634
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.848 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion: 70 Resp: 48860
Ion Ratio Lower Upper
70 100
42 49.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

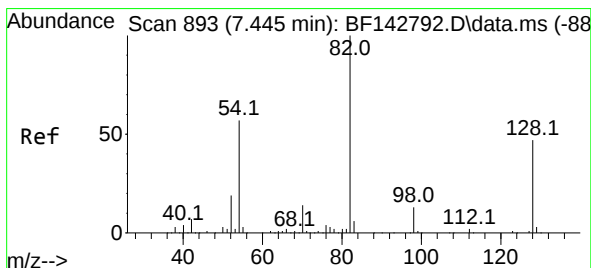
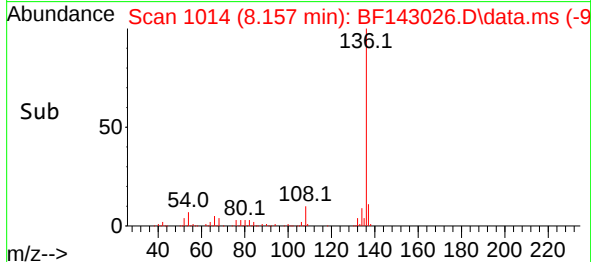
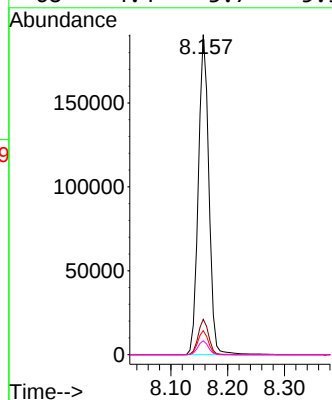
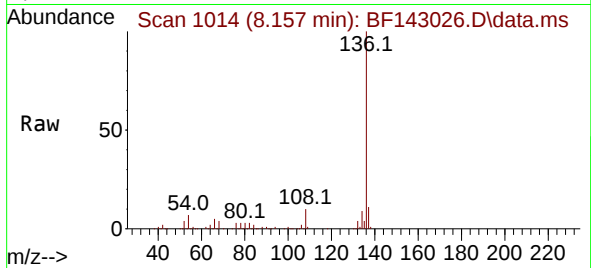




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

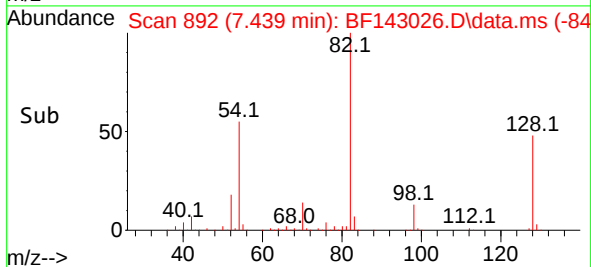
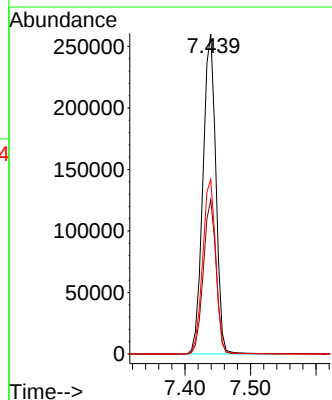
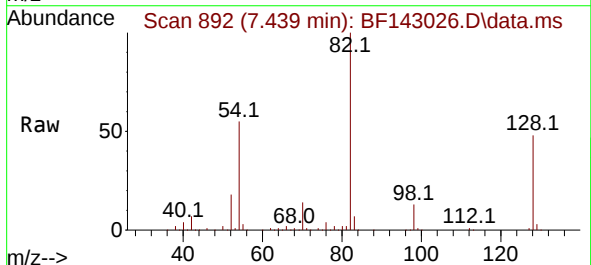
Instrument :
BNA_F
ClientSampleId :
PB168716BL

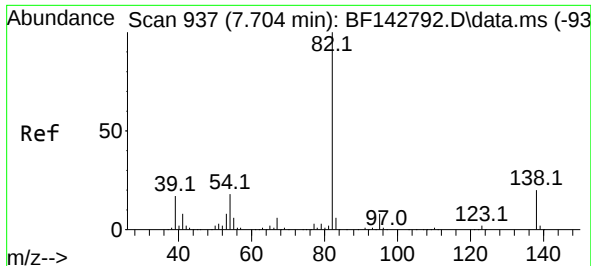
Tgt Ion:136 Resp: 246391
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.826 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion: 82 Resp: 358579
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 54.5 45.7 68.5

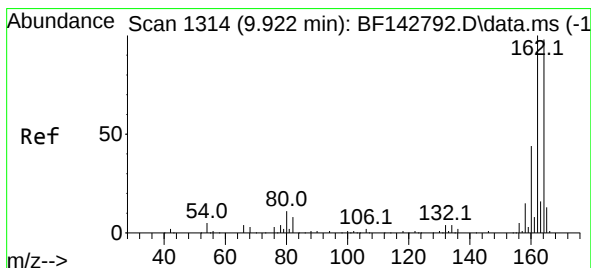
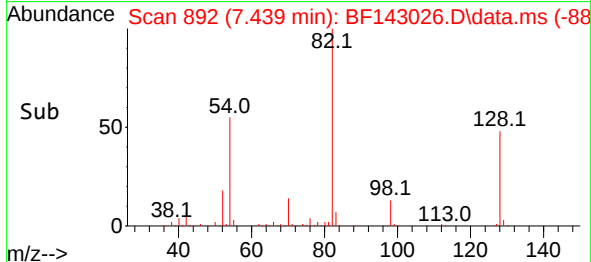
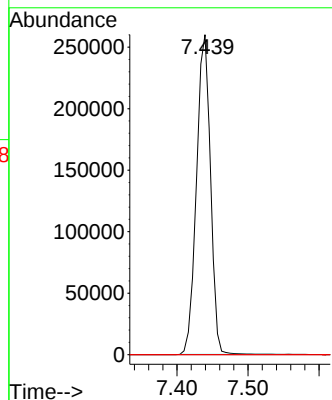
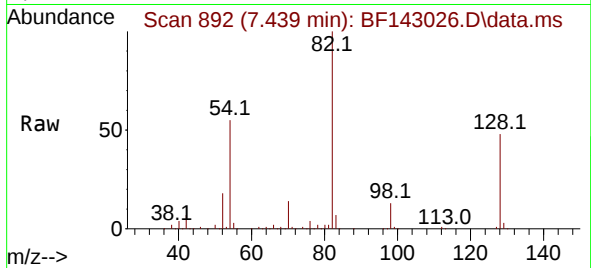




#25
Isophorone
Concen: 49.472 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

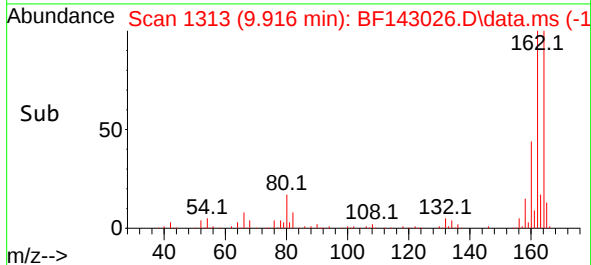
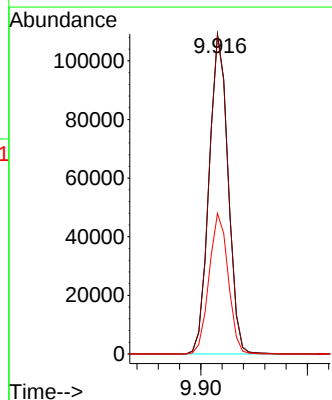
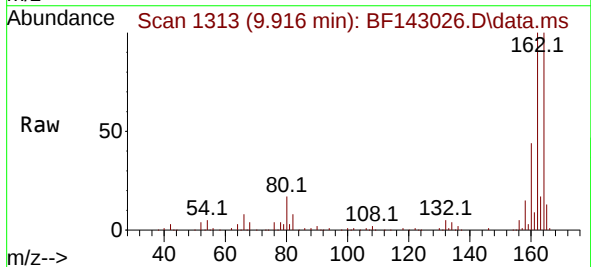
Instrument :
BNA_F
ClientSampleId :
PB168716BL

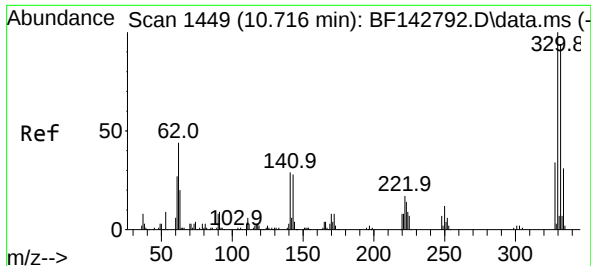
Tgt Ion: 82 Resp: 356494
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

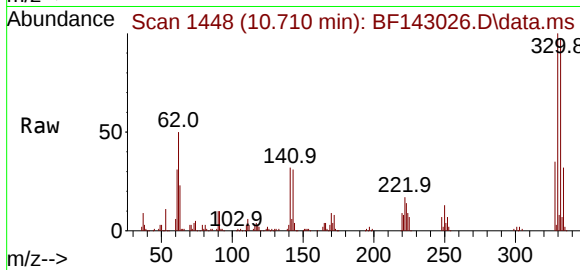
Tgt Ion:164 Resp: 135369
Ion Ratio Lower Upper
164 100
162 99.7 81.8 122.8
160 43.9 36.0 54.0



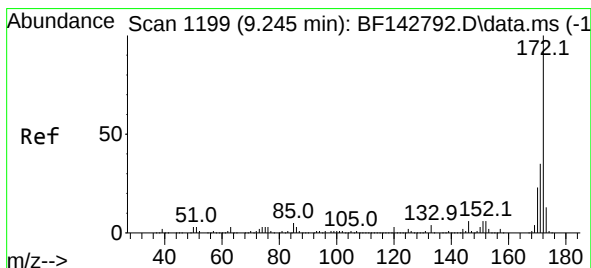
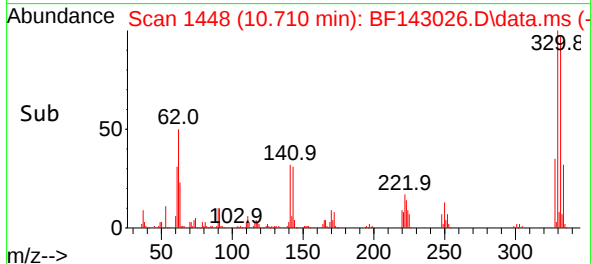
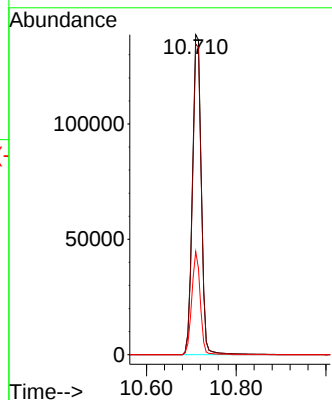


#42
2,4,6-Tribromophenol
Concen: 136.306 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

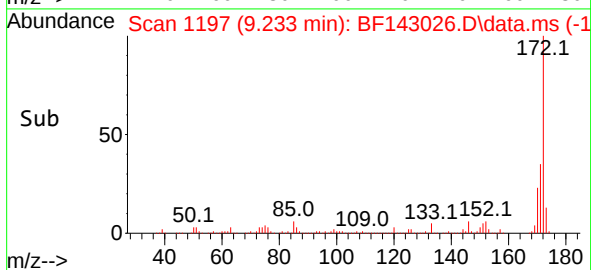
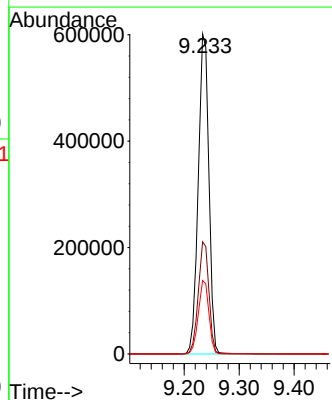
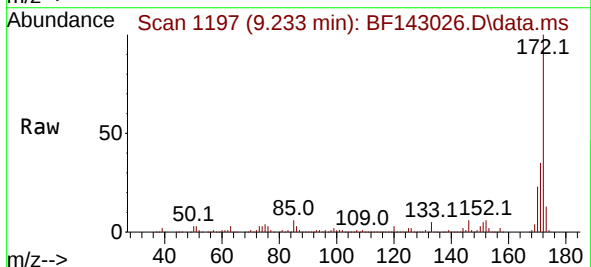


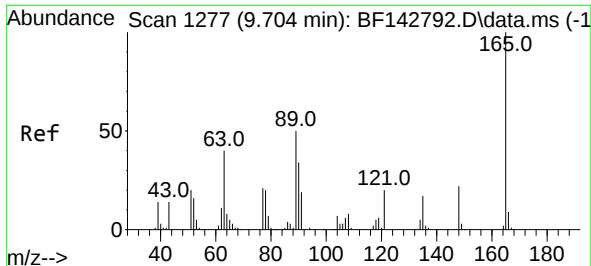
Tgt Ion:330 Resp: 189880
Ion Ratio Lower Upper
330 100
332 96.8 75.0 112.6
141 30.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.636 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:172 Resp: 810317
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.9 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.988 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

PB168716BL

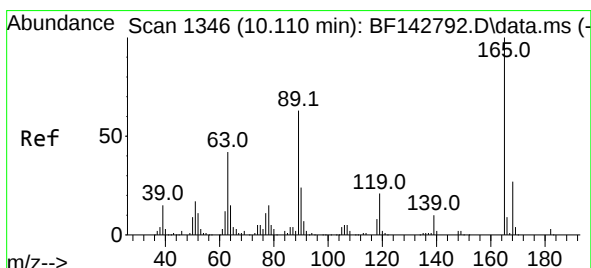
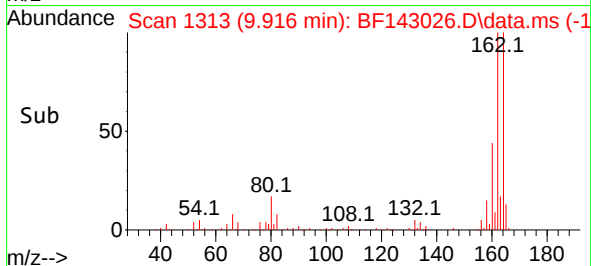
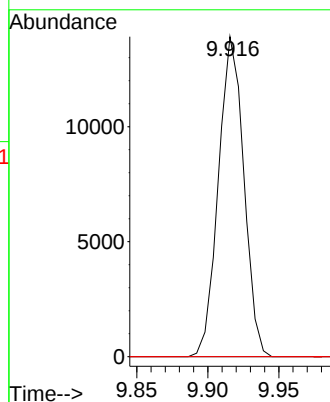
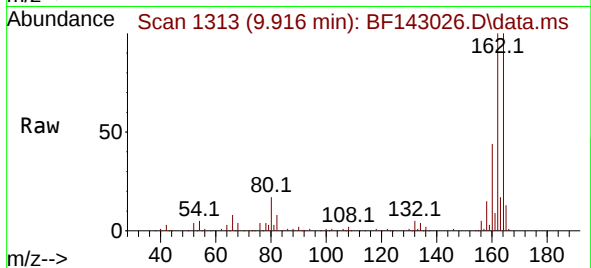
Tgt Ion:165 Resp: 17296

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: 6.767 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Tgt Ion:165 Resp: 17296

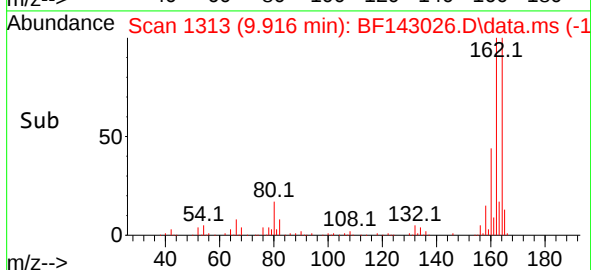
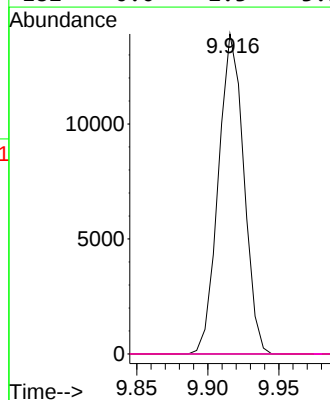
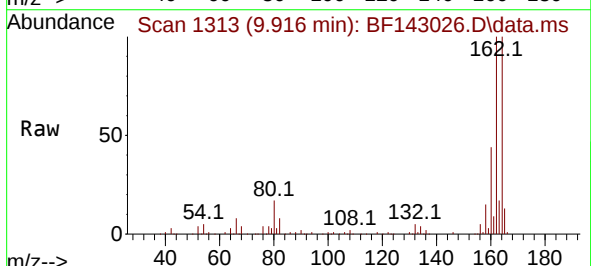
Ion Ratio Lower Upper

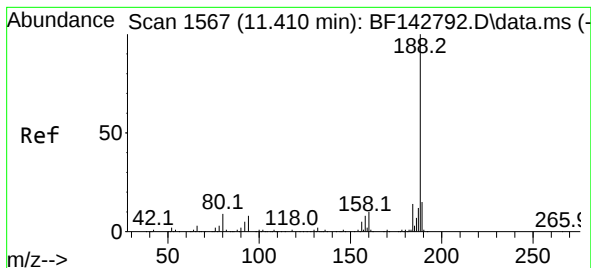
165 100

63 0.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

PB168716BL

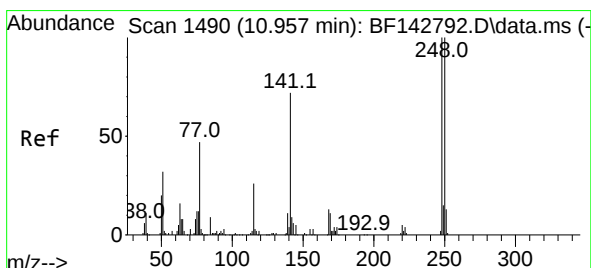
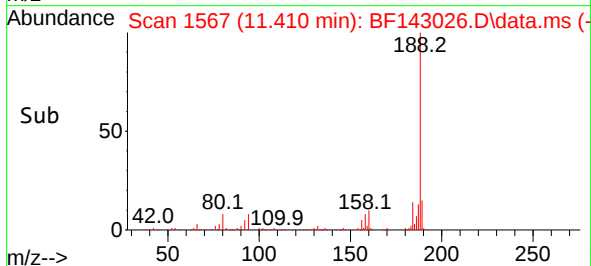
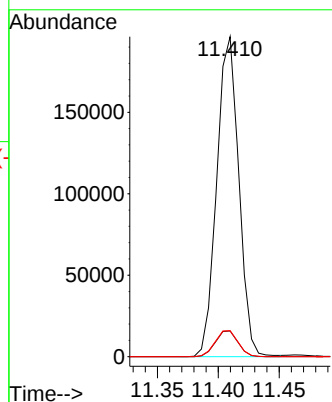
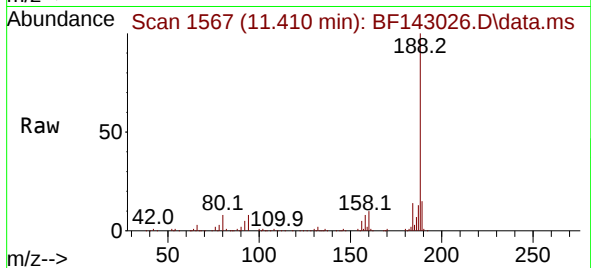
Tgt Ion:188 Resp: 247916

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.2 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.246 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

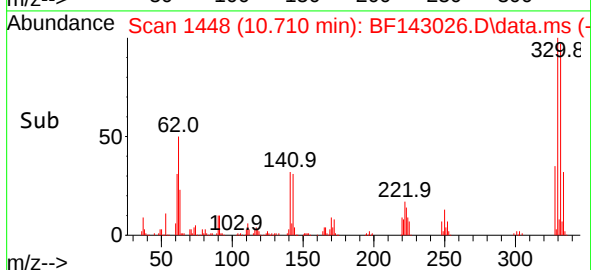
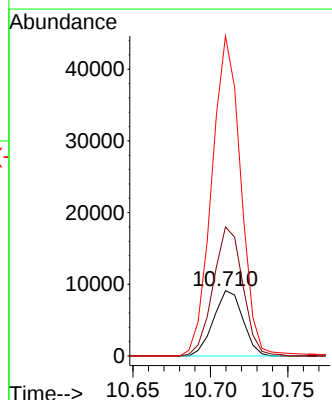
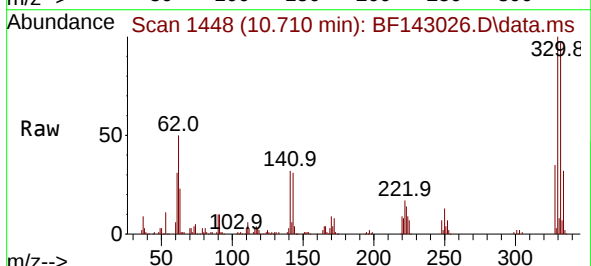
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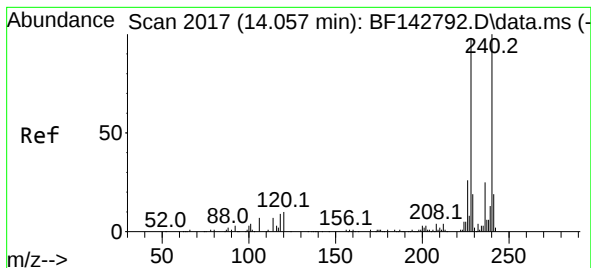
Ion Ratio Lower Upper

248 100

250 197.7 79.8 119.8#

141 490.3 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

PB168716BL

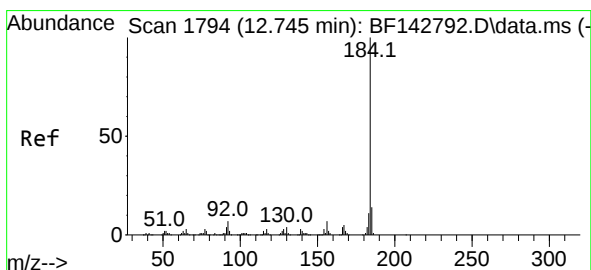
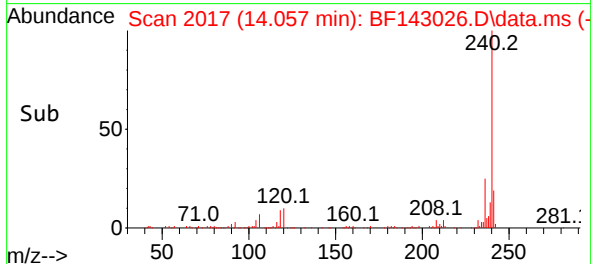
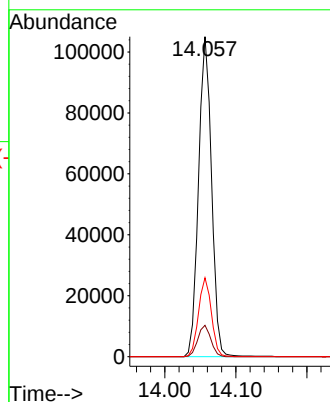
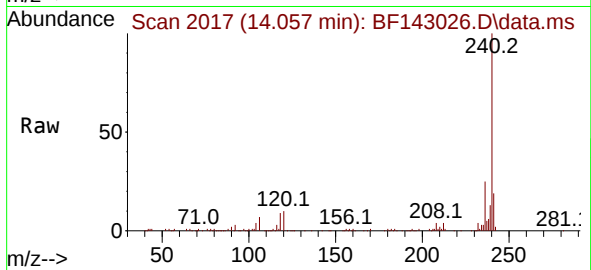
Tgt Ion:240 Resp: 134036

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 24.6 19.8 29.8



#77

Benzidine

Concen: 2.123 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

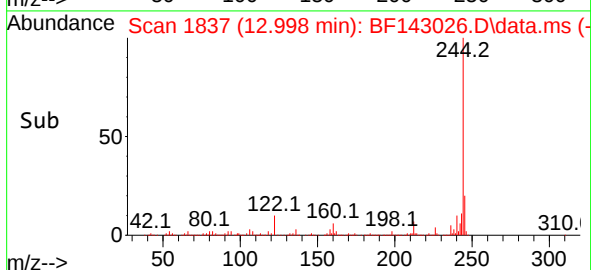
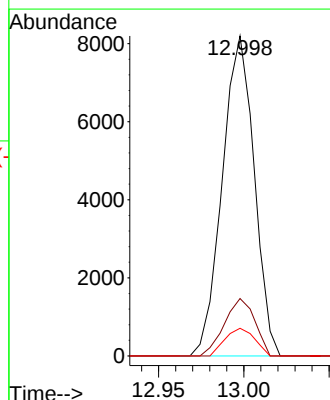
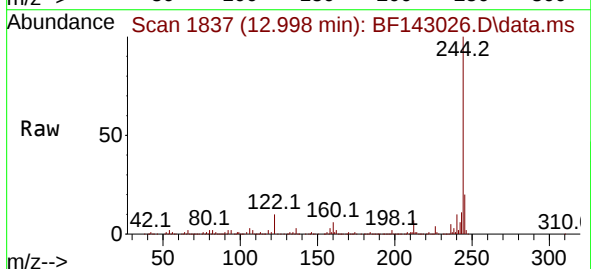
Tgt Ion:184 Resp: 10689

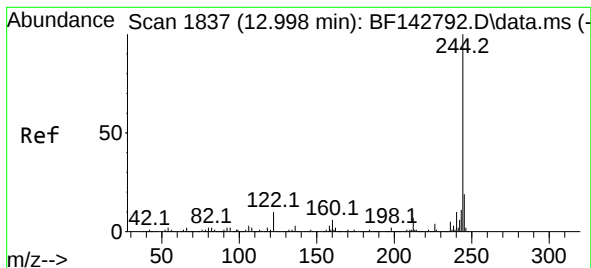
Ion Ratio Lower Upper

184 100

185 18.0 11.5 17.3#

183 8.7 9.0 13.4#





#79

Terphenyl-d14

Concen: 88.184 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

PB168716BL

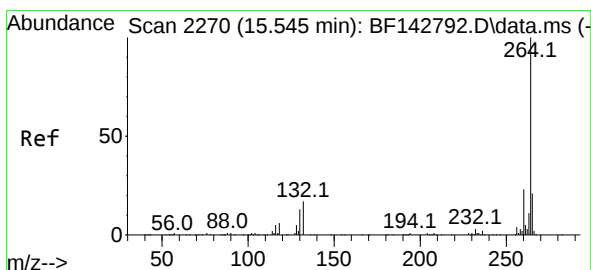
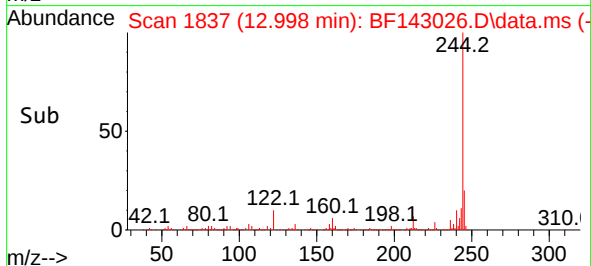
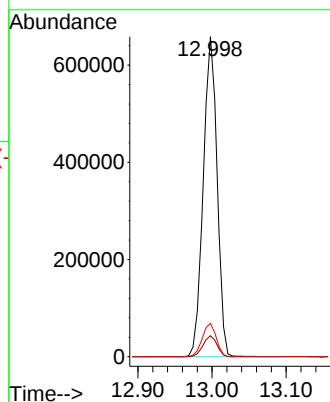
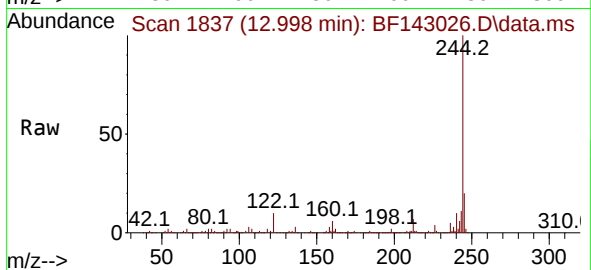
Tgt Ion:244 Resp: 855453

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.4 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF143026.D

Acq: 08 Jul 2025 11:24

Tgt Ion:264 Resp: 119715

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.1 16.6 25.0

