

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142780.D
 Acq On : 18 Jun 2025 16:34
 Operator : RC/JU
 Sample : Q2339-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-C

Quant Time: Jun 18 16:55:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

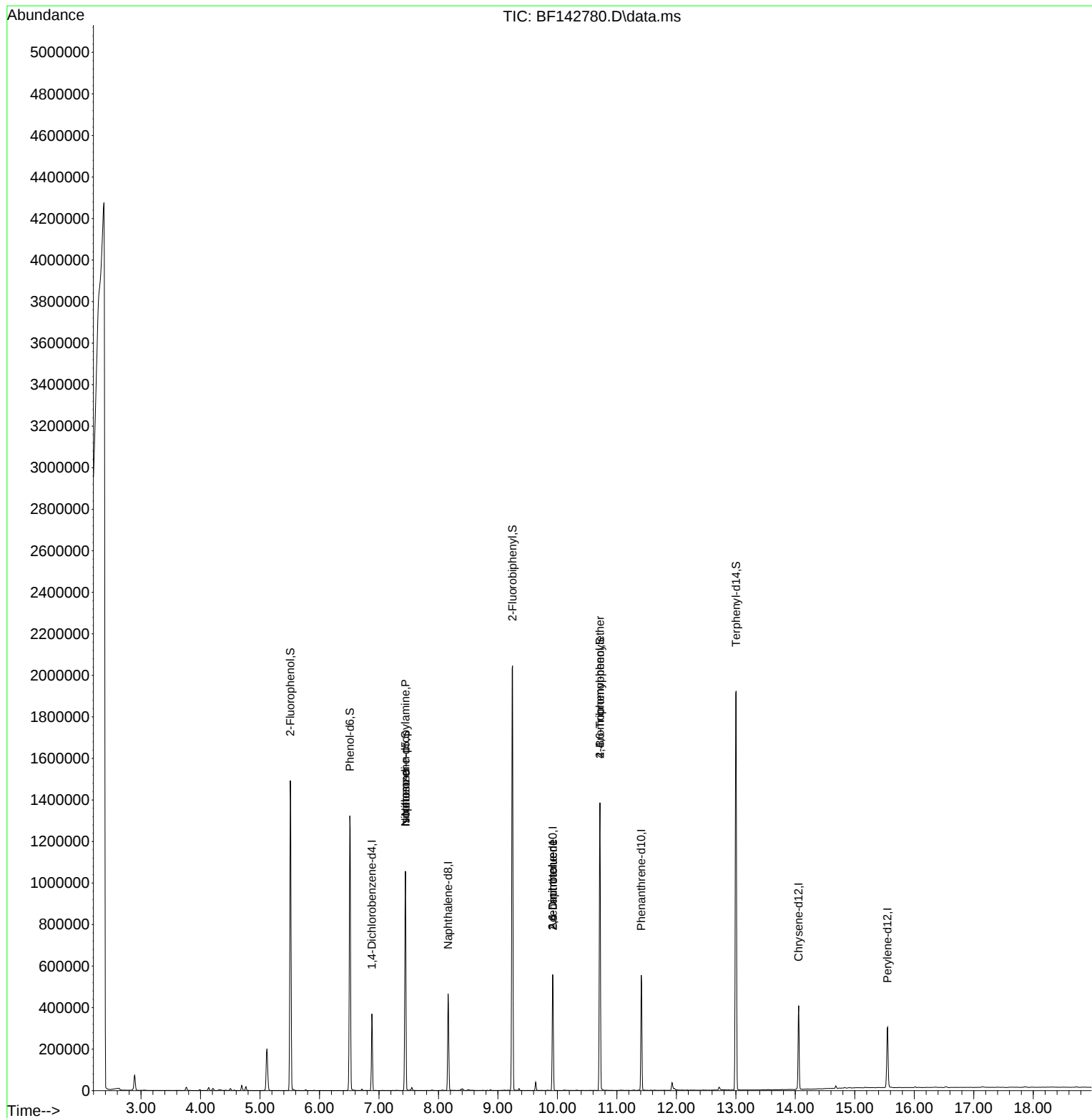
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	79264	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	306580	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	164478	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	291674	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	196572	20.000	ng	-0.01
86) Perylene-d12	15.551	264	177428	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	585228	125.748	ng	0.00
7) Phenol-d6	6.510	99	645126	117.787	ng	-0.01
23) Nitrobenzene-d5	7.445	82	469963	83.893	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	246304	136.634	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	990223	79.984	ng	-0.01
79) Terphenyl-d14	13.004	244	986200	68.905	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	63138	18.108	ng	# 76
25) Isophorone	7.445	82	468340	49.378	ng	# 63
51) 2,6-Dinitrotoluene	9.922	165	21485	9.051	ng	# 30
57) 2,4-Dinitrotoluene	9.922	165	21485	6.845	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	15909	4.621	ng	# 1

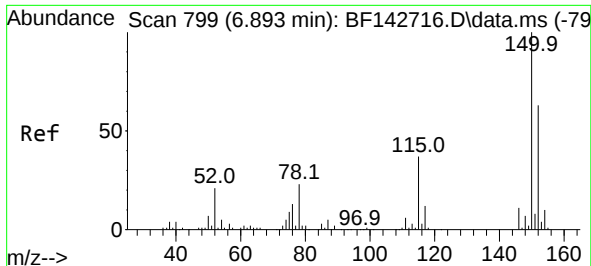
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 16:55:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

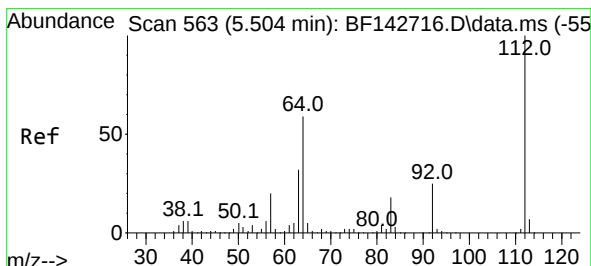
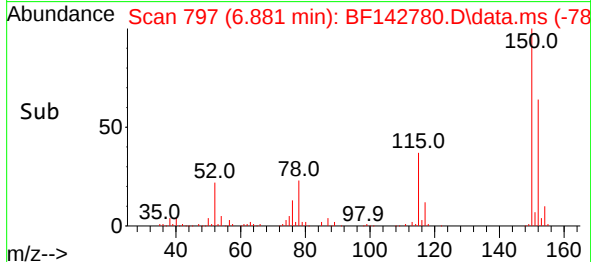
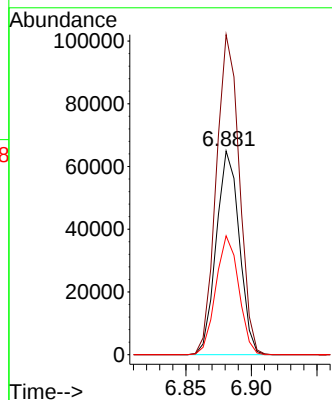
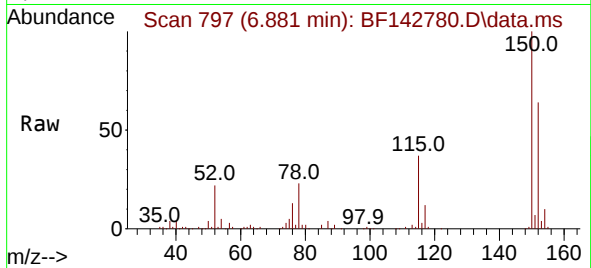




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

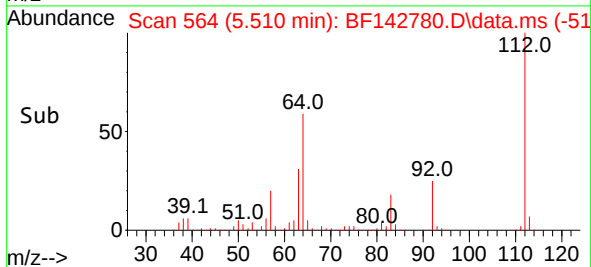
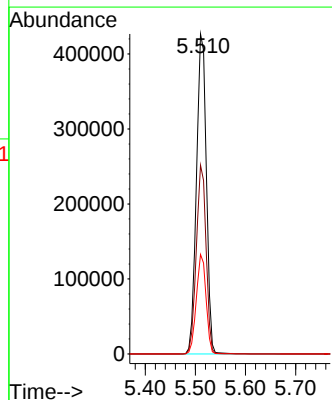
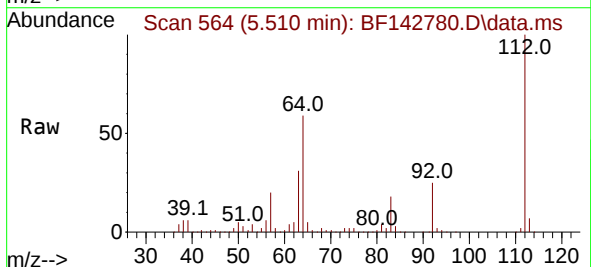
Instrument :
BNA_F
ClientSampleId :
MH-C

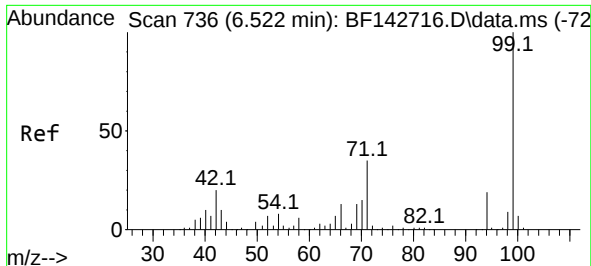
Tgt Ion:152 Resp: 79264
Ion Ratio Lower Upper
152 100
150 157.1 126.9 190.3
115 58.4 47.0 70.6



#5
2-Fluorophenol
Concen: 125.748 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

Tgt Ion:112 Resp: 585228
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.2
63 31.1 25.4 38.0

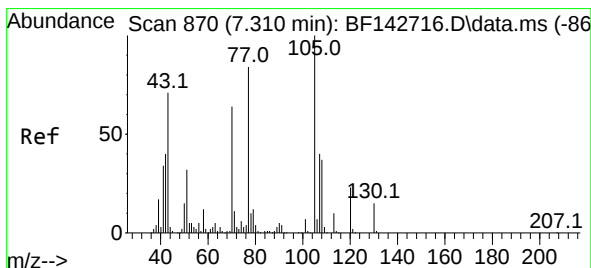
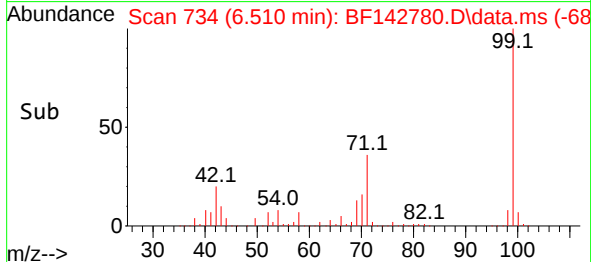
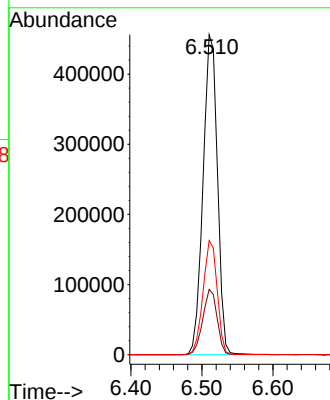
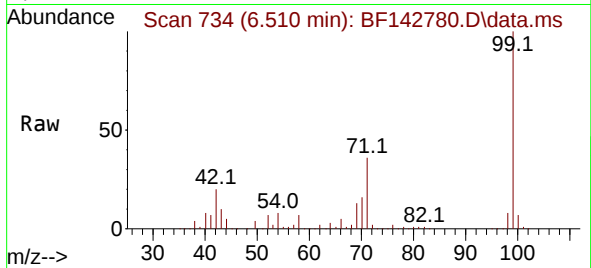




#7
Phenol-d6
Concen: 117.787 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

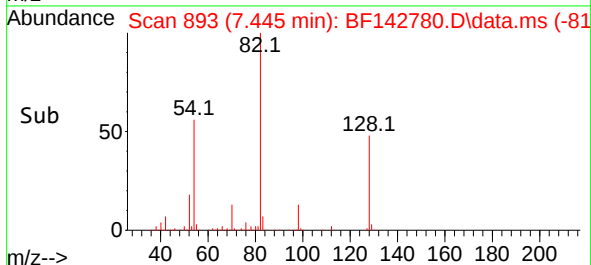
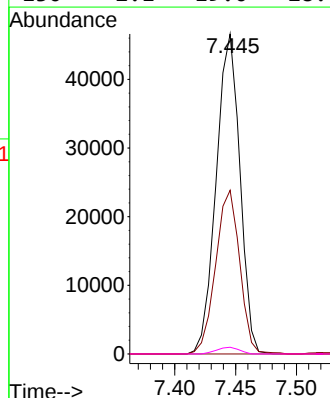
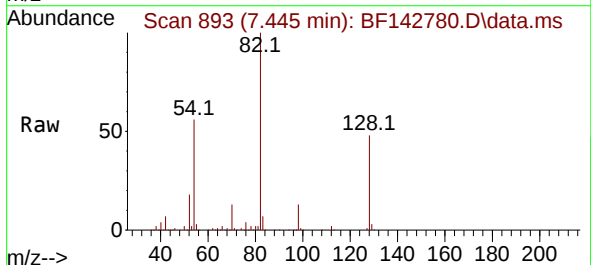
Instrument :
BNA_F
ClientSampleId :
MH-C

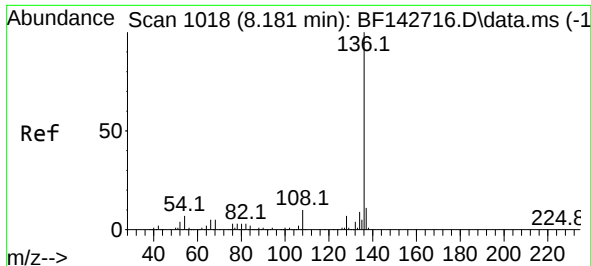
Tgt Ion: 99 Resp: 645126
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 35.6 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.108 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

Tgt Ion: 70 Resp: 63138
Ion Ratio Lower Upper
70 100
42 51.1 50.2 75.4
101 0.0 8.3 12.5#
130 2.1 19.0 28.6#

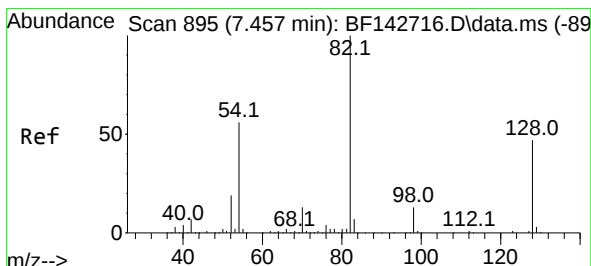
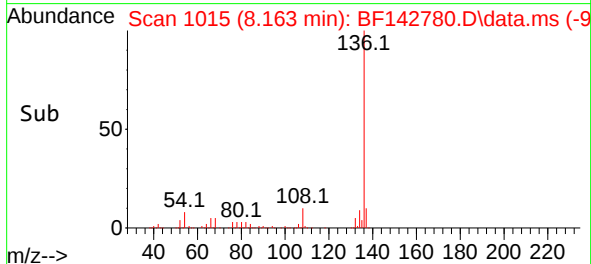
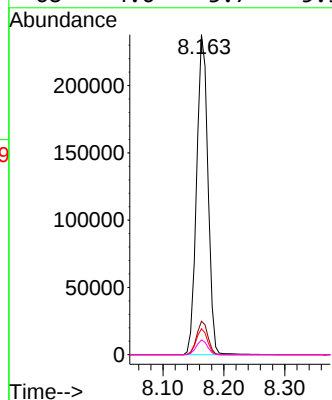
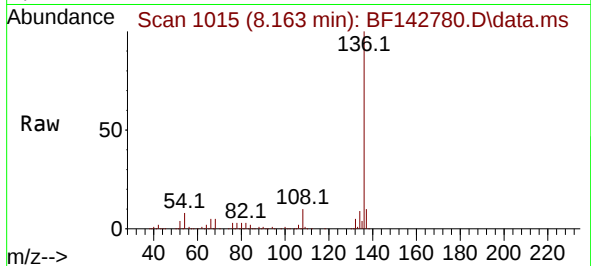




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

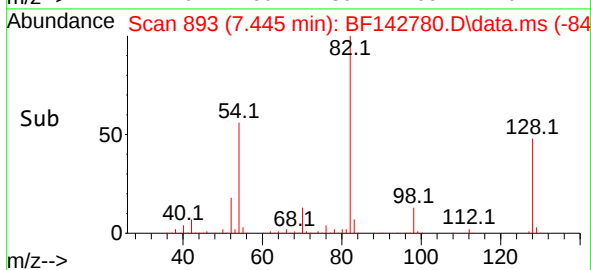
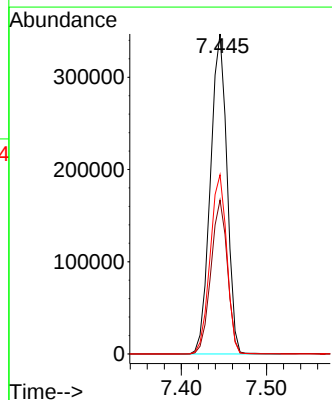
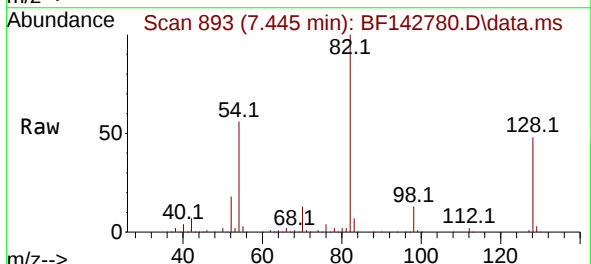
Instrument :
BNA_F
ClientSampleId :
MH-C

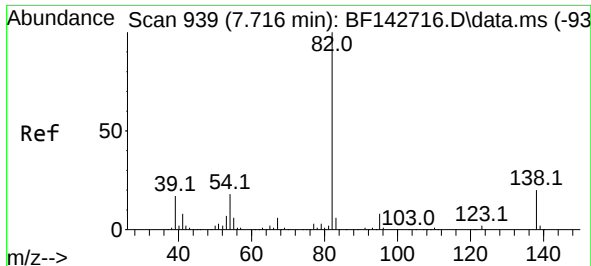
Tgt Ion:136 Resp: 306580
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 8.1 5.9 8.9
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 83.893 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

Tgt Ion: 82 Resp: 469963
Ion Ratio Lower Upper
82 100
128 48.1 37.8 56.8
54 56.0 44.9 67.3

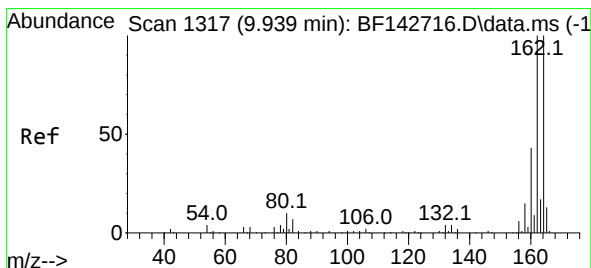
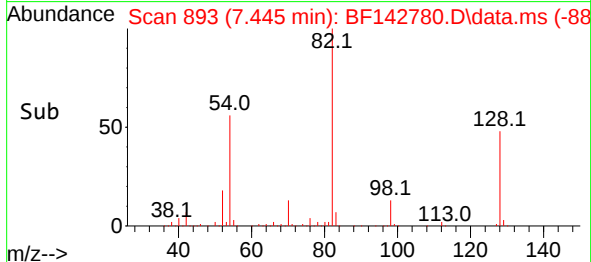
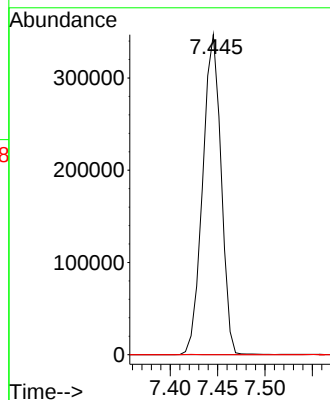
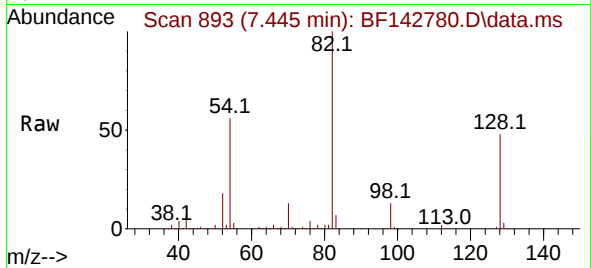




#25
Isophorone
Concen: 49.378 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.271 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

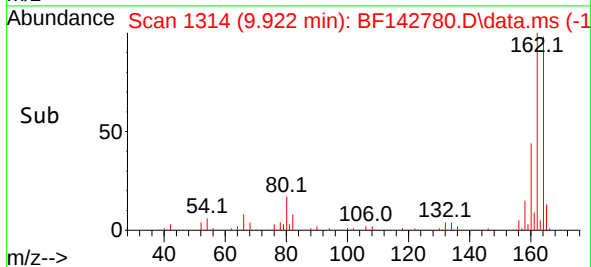
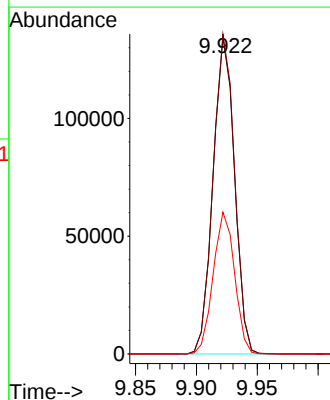
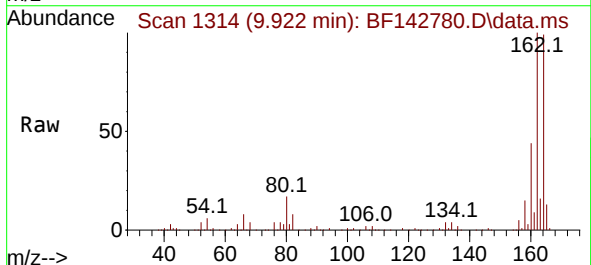
Instrument :
BNA_F
ClientSampleId :
MH-C

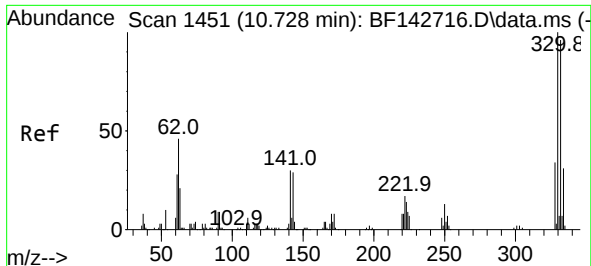
Tgt Ion: 82 Resp: 468340
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

Tgt Ion:164 Resp: 164478
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 44.7 34.8 52.2

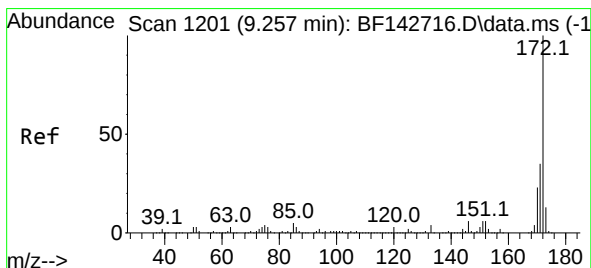
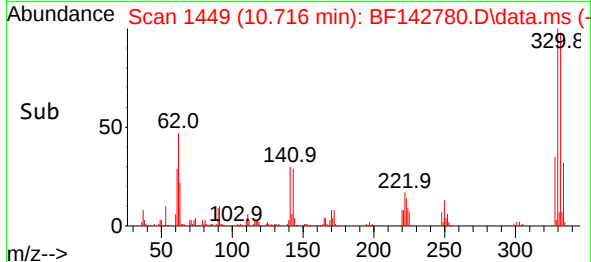
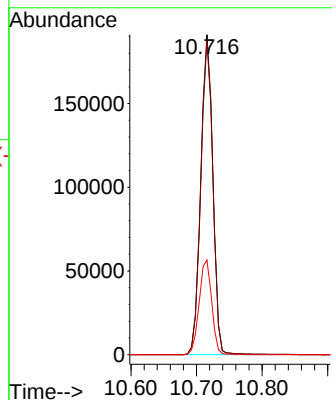
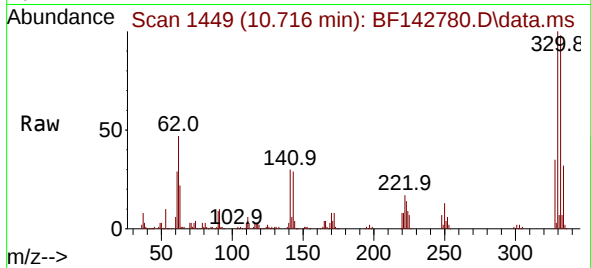




#42
2,4,6-Tribromophenol
Concen: 136.634 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

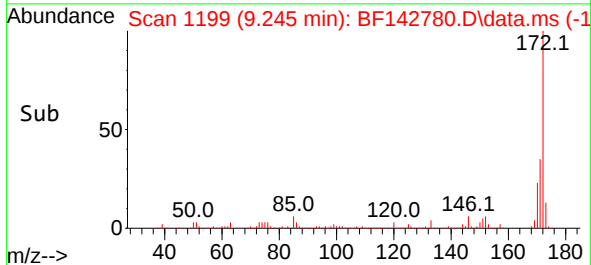
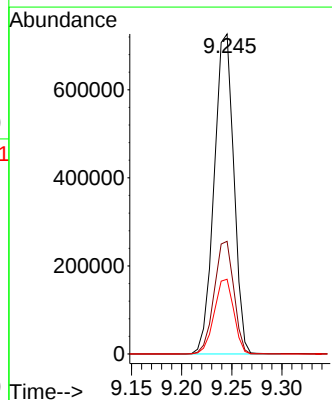
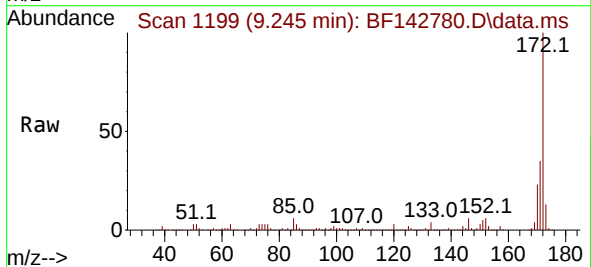
Instrument :
BNA_F
ClientSampleId :
MH-C

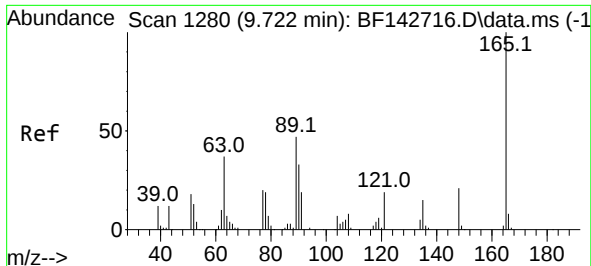
Tgt Ion:330 Resp: 246304
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 30.6 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 79.984 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF142780.D
Acq: 18 Jun 2025 16:34

Tgt Ion:172 Resp: 990223
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.4 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 9.051 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

Instrument :

BNA_F

ClientSampleId :

MH-C

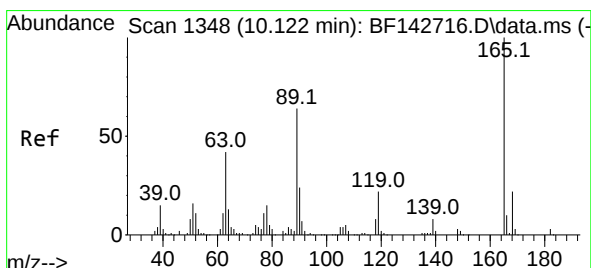
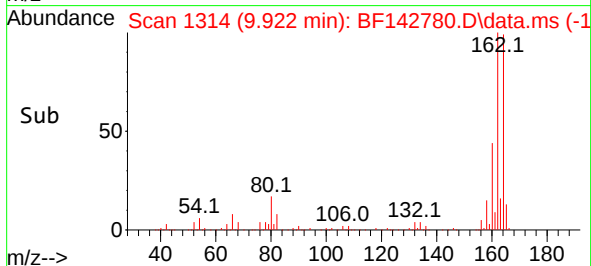
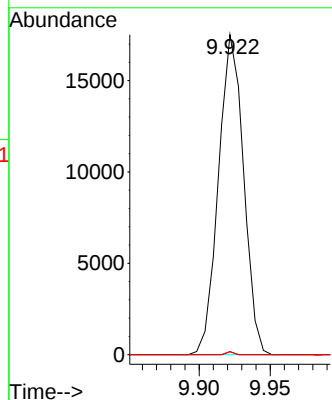
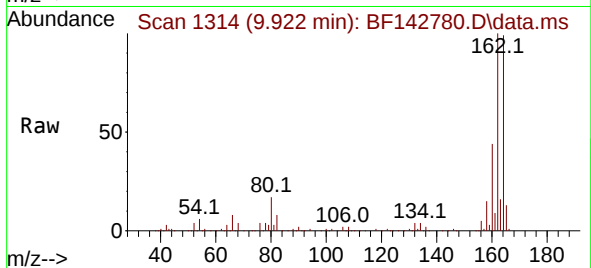
Tgt Ion:165 Resp: 21485

Ion Ratio Lower Upper

165 100

63 1.0 40.6 60.8#

89 1.0 37.6 56.4#



#57

2,4-Dinitrotoluene

Concen: 6.845 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.200 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

Tgt Ion:165 Resp: 21485

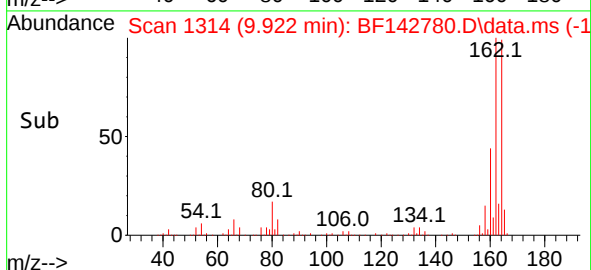
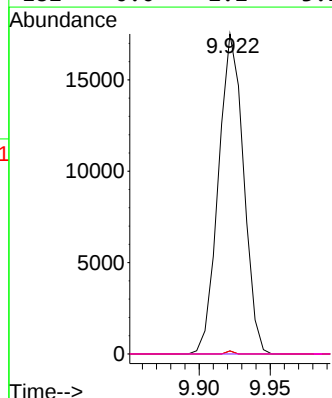
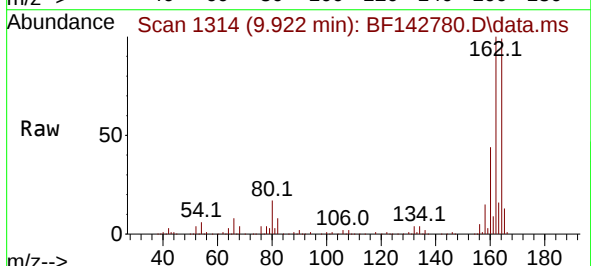
Ion Ratio Lower Upper

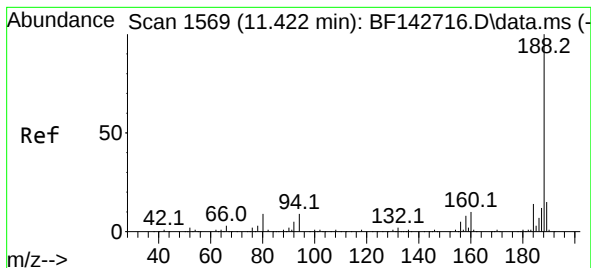
165 100

63 1.0 34.1 51.1#

89 1.0 50.8 76.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

Instrument :

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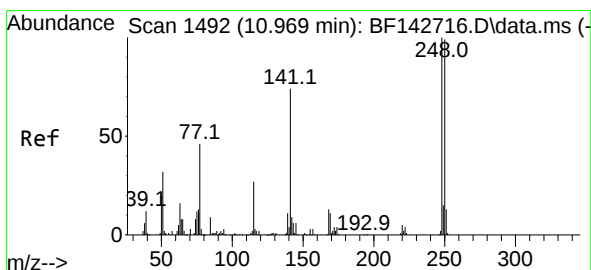
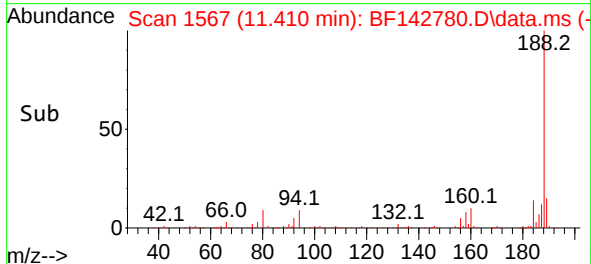
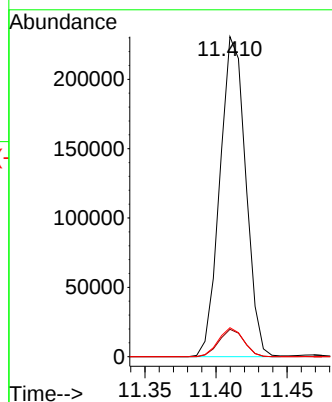
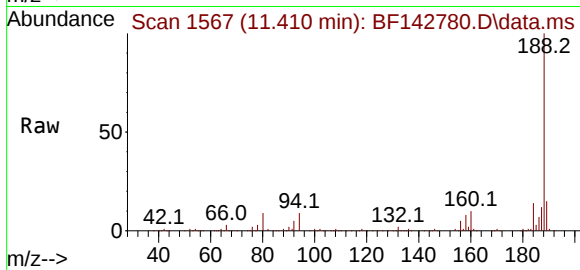
Tgt Ion:188 Resp: 291674

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.1 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 4.621 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

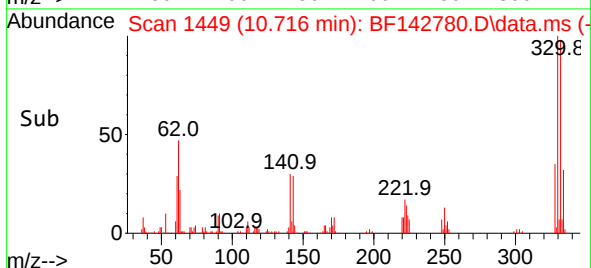
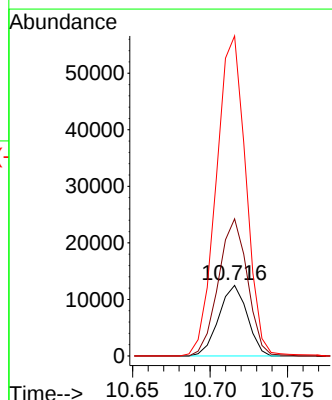
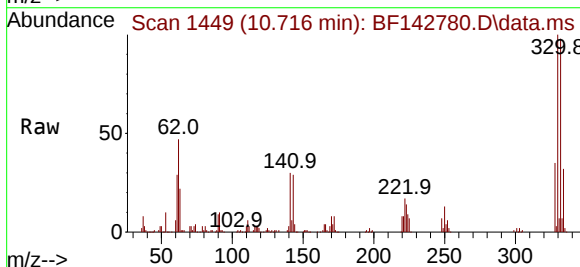
Tgt Ion:248 Resp: 15909

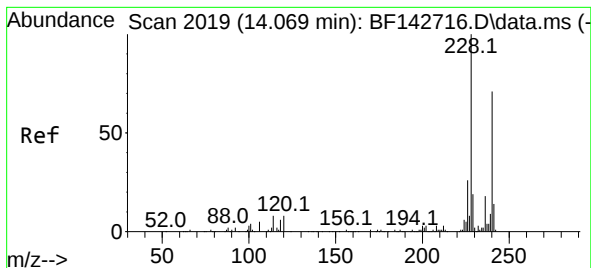
Ion Ratio Lower Upper

248 100

250 194.1 79.2 118.8#

141 453.1 59.3 88.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

Instrument :

BNA_F

ClientSampleId :

MH-C

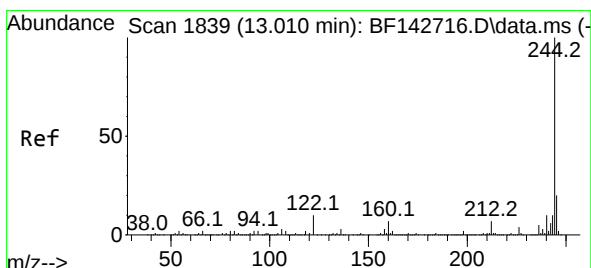
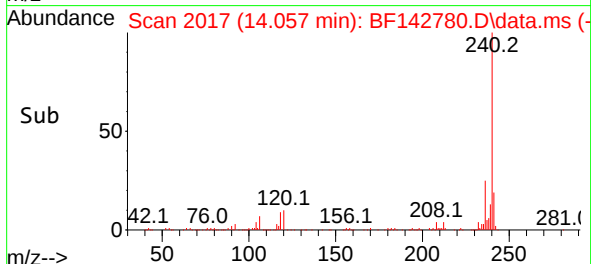
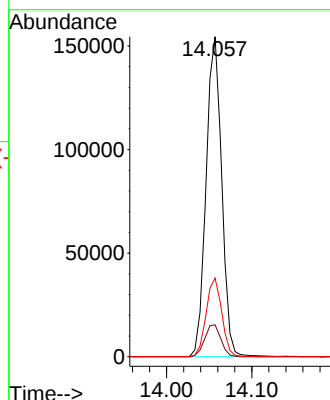
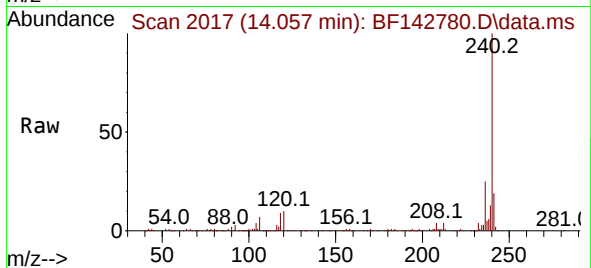
Tgt Ion:240 Resp: 196572

Ion Ratio Lower Upper

240 100

120 9.9 8.5 12.7

236 24.6 20.1 30.1



#79

Terphenyl-d14

Concen: 68.905 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142780.D

Acq: 18 Jun 2025 16:34

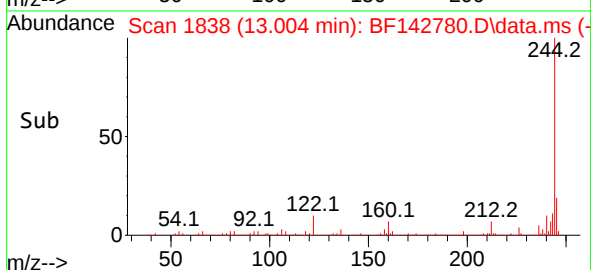
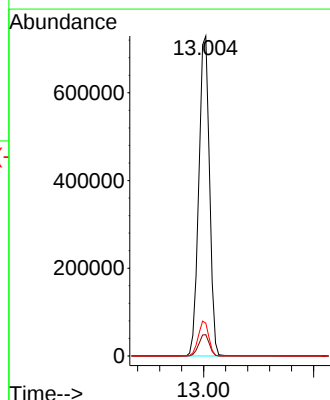
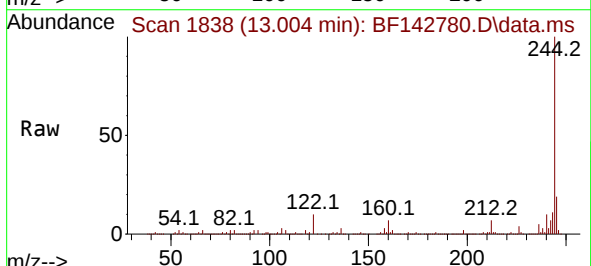
Tgt Ion:244 Resp: 986200

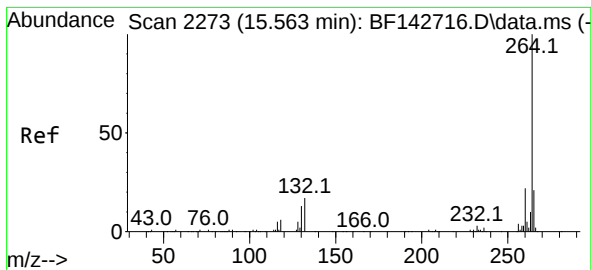
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.2 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142780.D
 Acq: 18 Jun 2025 16:34

Instrument :
 BNA_F
 ClientSampleId :
 MH-C

Tgt Ion:264 Resp: 177428
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.8 26.6
 265 21.2 16.6 25.0

