

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143737.D
 Acq On : 12 Sep 2025 17:09
 Operator : RC/JU
 Sample : Q3054-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-384

Quant Time: Sep 12 17:36:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

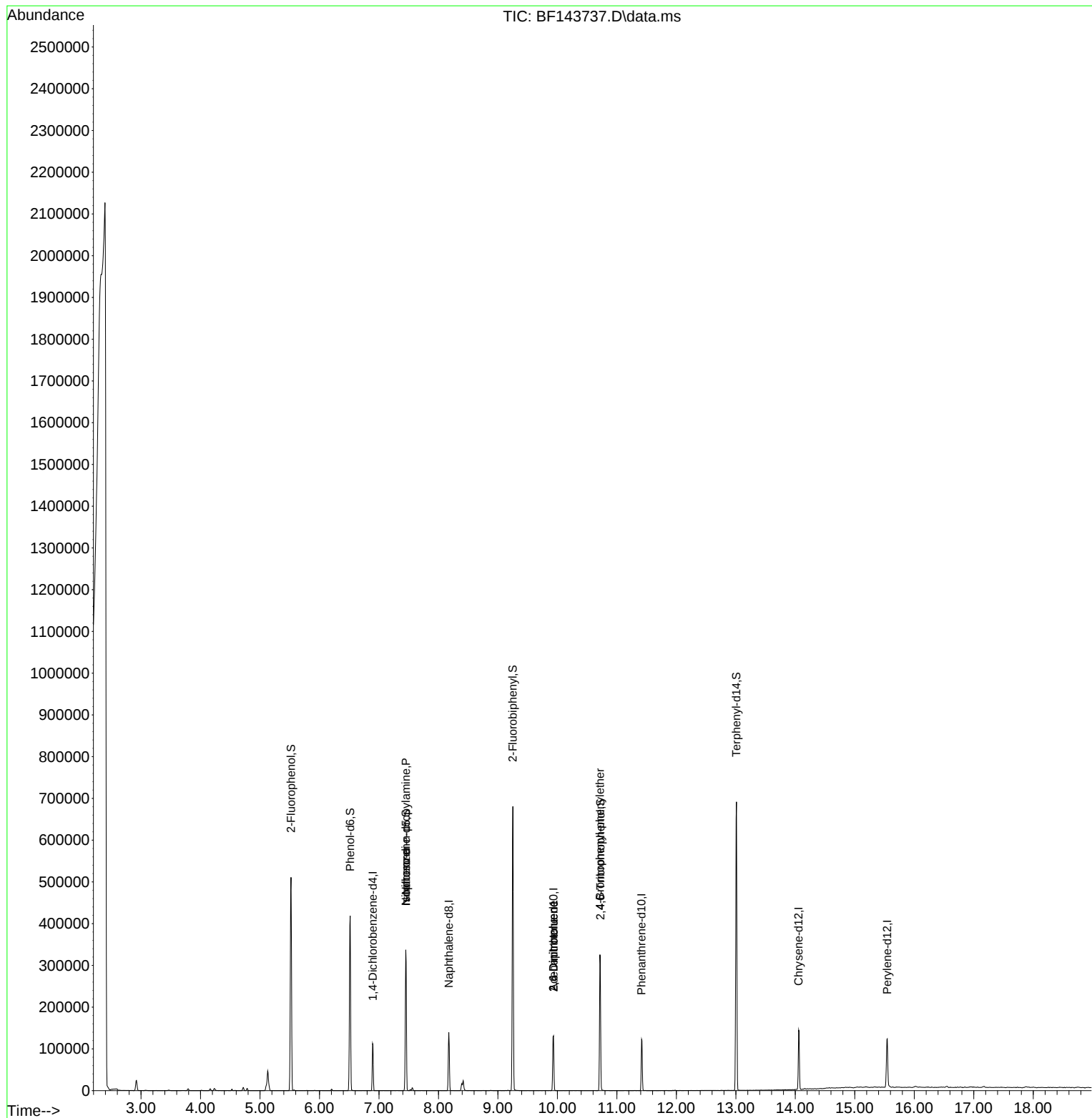
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	25651	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	90191	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	42668	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	68736	20.000	ng	0.00
76) Chrysene-d12	14.057	240	73789	20.000	ng	0.01
86) Perylene-d12	15.545	264	71747	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	204078	135.740	ng	0.02
7) Phenol-d6	6.516	99	217371	118.743	ng	0.01
23) Nitrobenzene-d5	7.451	82	153504	105.865	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	63214	147.010	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	318022	112.592	ng	0.00
79) Terphenyl-d14	13.010	244	355092	77.984	ng	0.02
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	20608	18.330	ng	# 76
25) Isophorone	7.451	82	153425	55.180	ng	# 64
51) 2,6-Dinitrotoluene	9.933	165	5276	9.940	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	5276	7.303	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	4242	5.118	ng	# 1

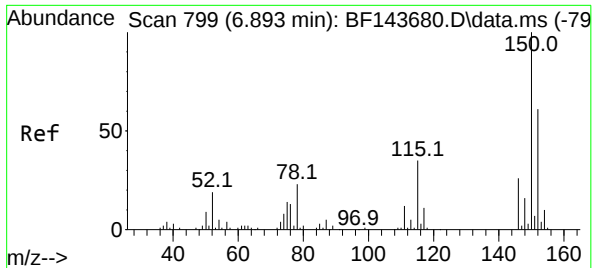
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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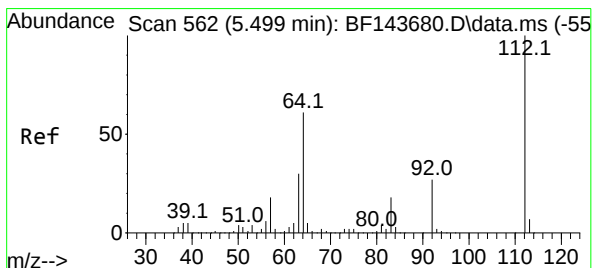
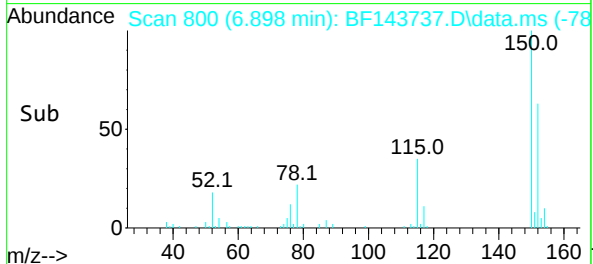
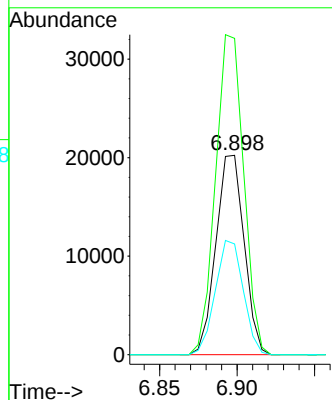
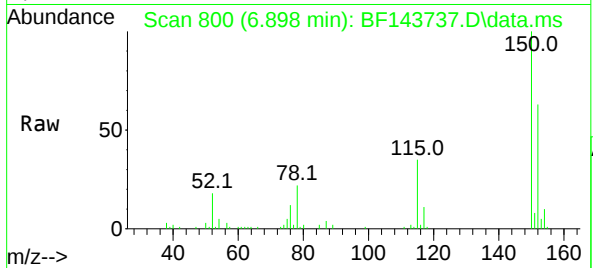




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.005 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

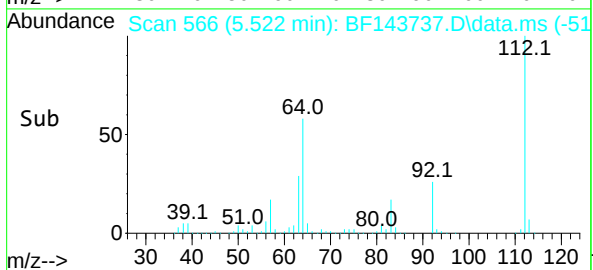
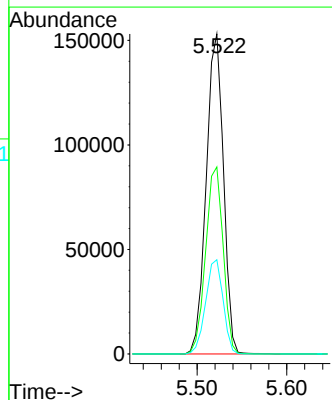
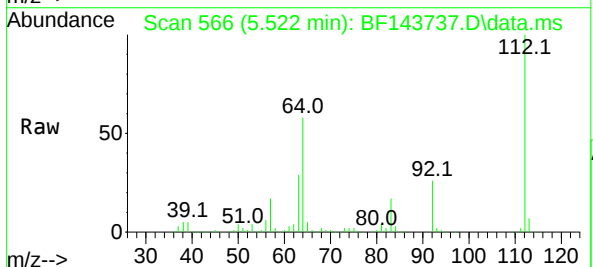
Instrument :
BNA_F
ClientSampleId :
MH-384

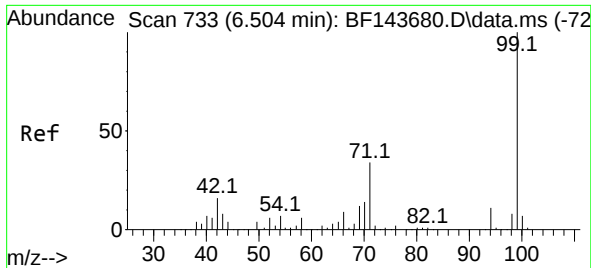
Tgt Ion:152 Resp: 25651
Ion Ratio Lower Upper
152 100
150 158.7 130.7 196.1
115 55.5 45.9 68.9



#5
2-Fluorophenol
Concen: 135.740 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.023 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

Tgt Ion:112 Resp: 204078
Ion Ratio Lower Upper
112 100
64 58.5 49.0 73.4
63 29.5 24.3 36.5

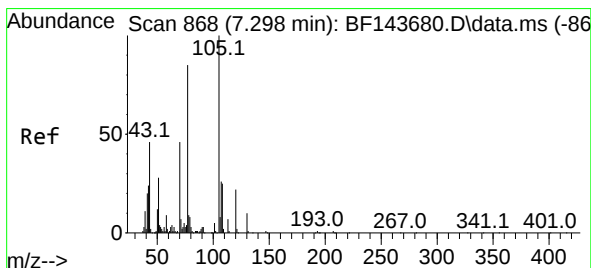
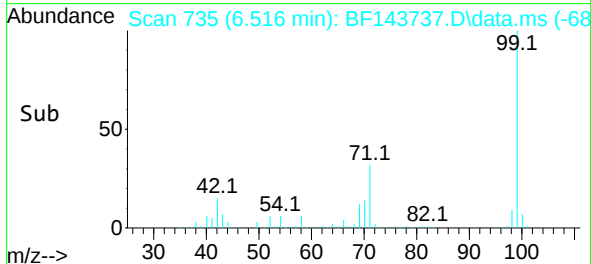
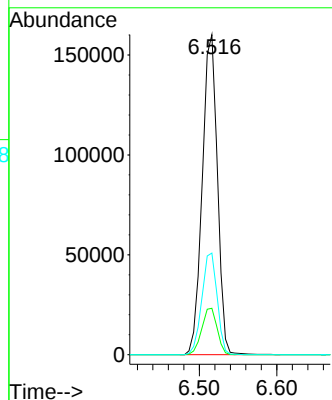
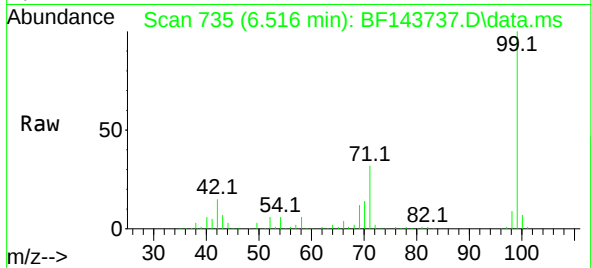




#7
Phenol-d6
Concen: 118.743 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

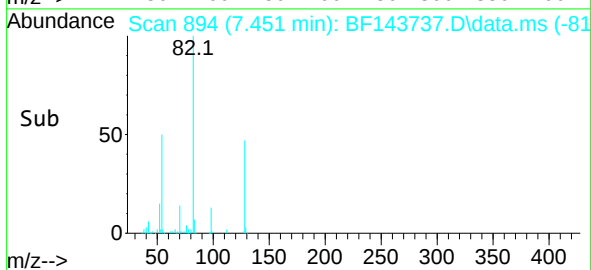
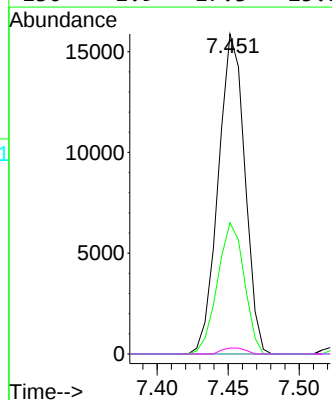
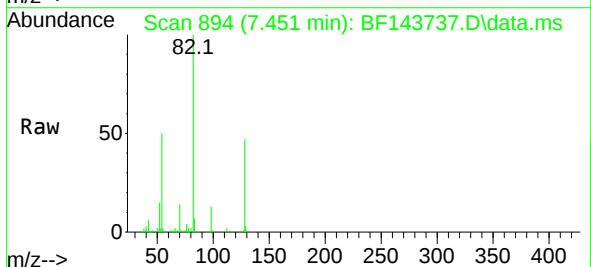
Instrument :
BNA_F
ClientSampleId :
MH-384

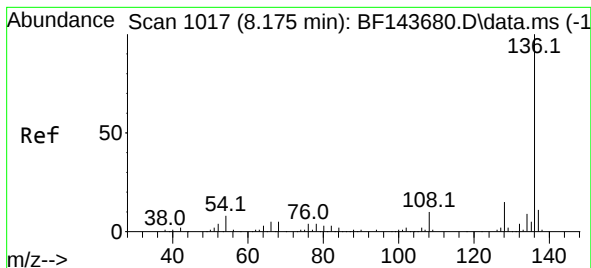
Tgt Ion: 99 Resp: 217371
Ion Ratio Lower Upper
99 100
42 14.5 13.0 19.4
71 31.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.330 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

Tgt Ion: 70 Resp: 20608
Ion Ratio Lower Upper
70 100
42 41.0 41.4 62.2#
101 0.0 8.1 12.1#
130 1.9 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

Instrument :

BNA_F

ClientSampleId :

MH-384

Tgt Ion:136 Resp: 90191

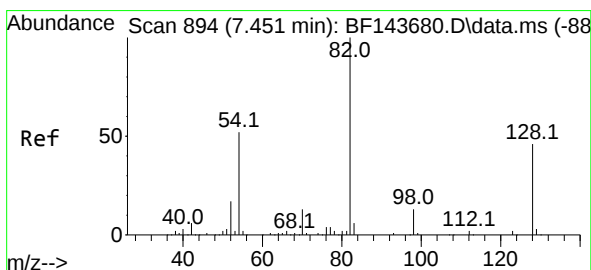
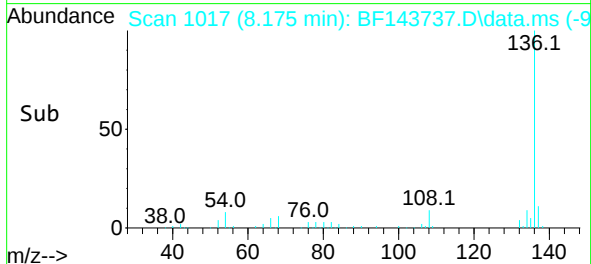
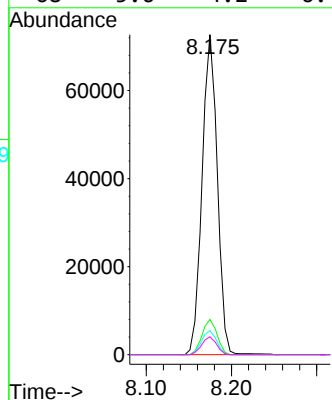
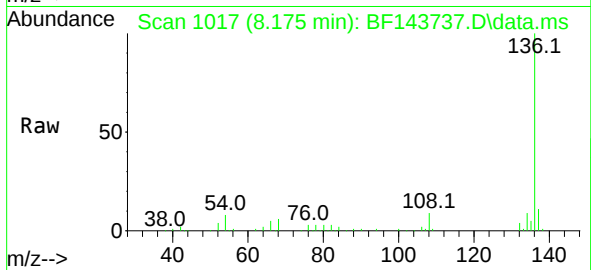
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.5 6.2 9.2

68 5.6 4.2 6.4



#23

Nitrobenzene-d5

Concen: 105.865 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

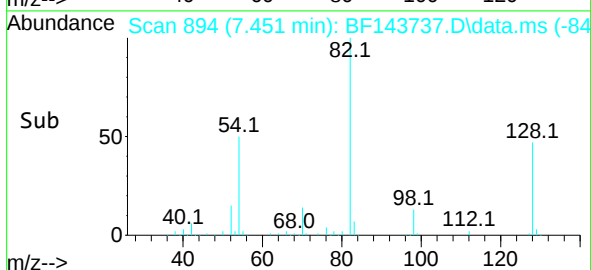
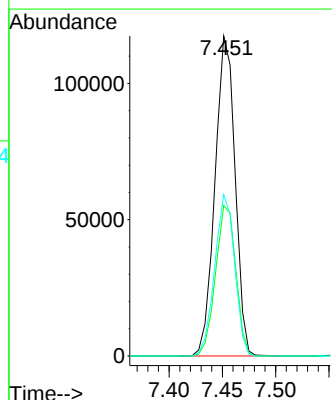
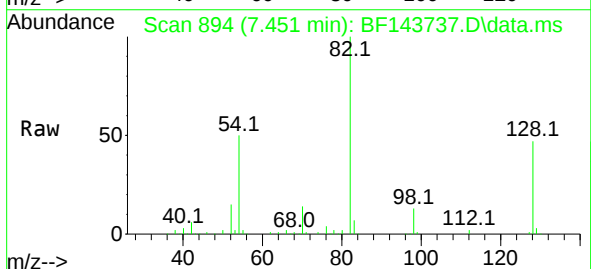
Tgt Ion: 82 Resp: 153504

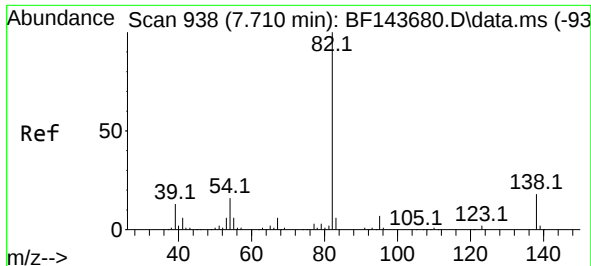
Ion Ratio Lower Upper

82 100

128 47.0 37.0 55.4

54 50.4 41.8 62.8

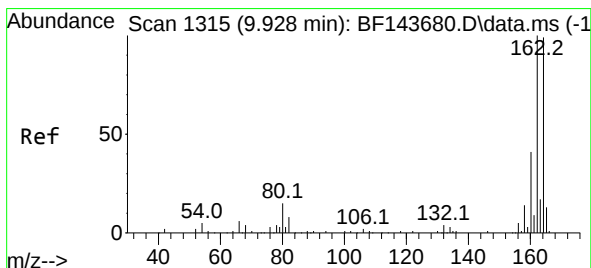
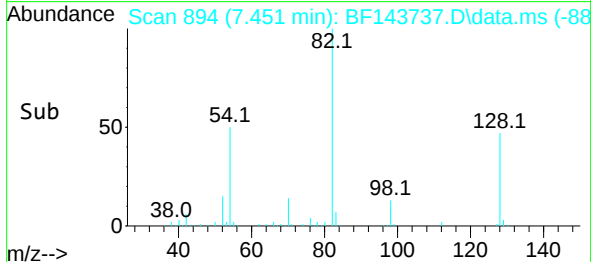
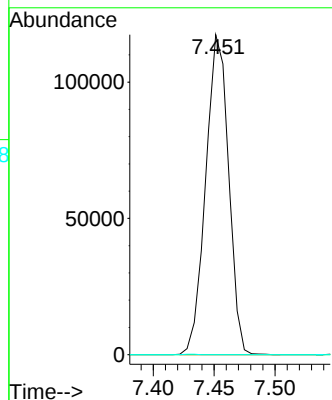
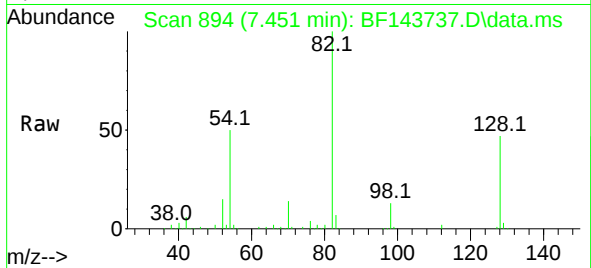




#25
Isophorone
Concen: 55.180 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

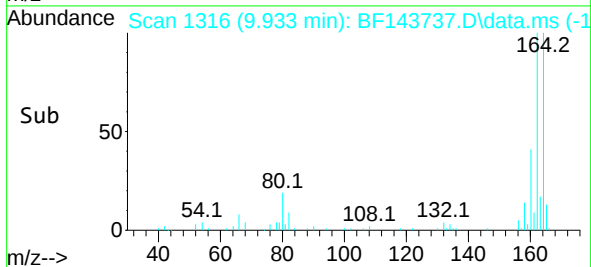
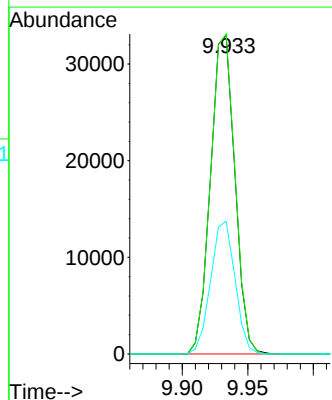
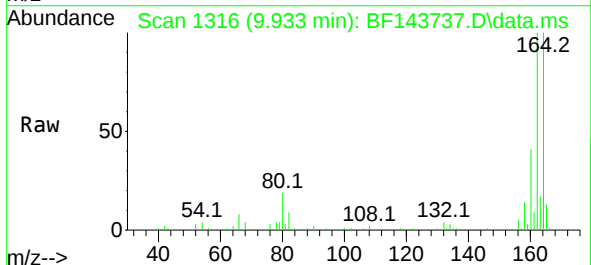
Instrument :
BNA_F
ClientSampleId :
MH-384

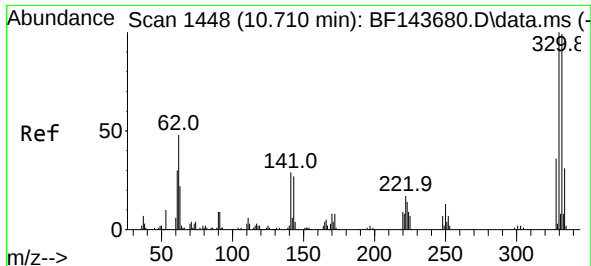
Tgt Ion: 82 Resp: 153425
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF143737.D
Acq: 12 Sep 2025 17:09

Tgt Ion: 164 Resp: 42668
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 41.6 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 147.010 ng

RT: 10.722 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF143737.D

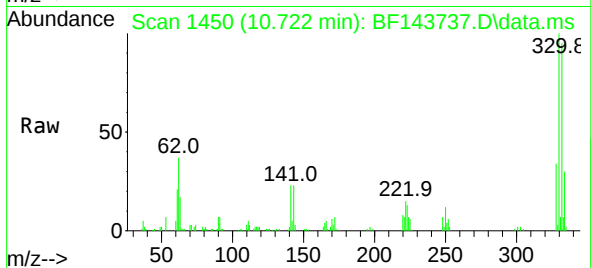
Acq: 12 Sep 2025 17:09

Instrument :

BNA_F

ClientSampleId :

MH-384



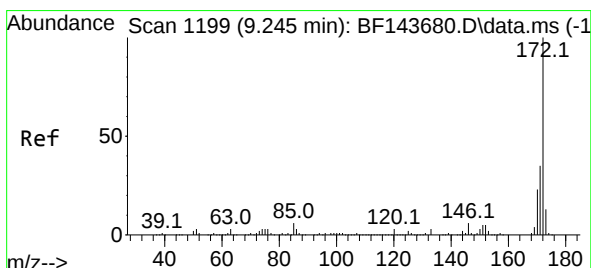
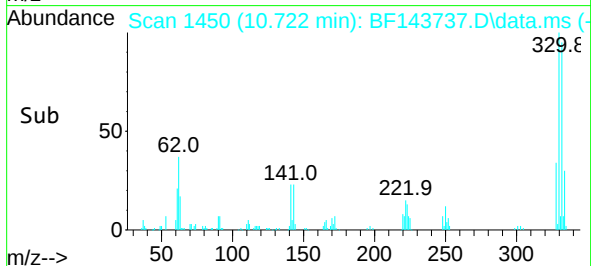
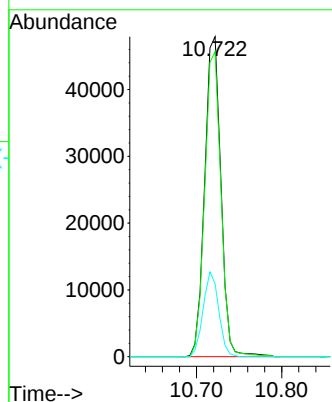
Tgt Ion:330 Resp: 63214

Ion Ratio Lower Upper

330 100

332 95.3 79.2 118.8

141 25.5 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 112.592 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

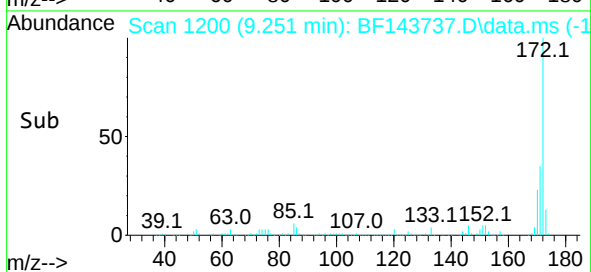
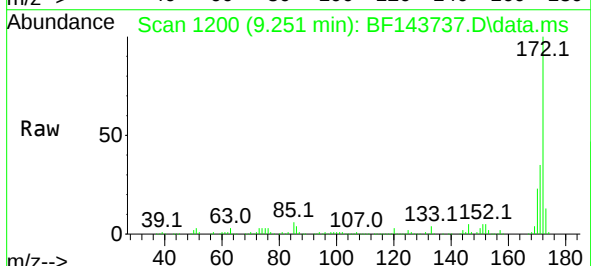
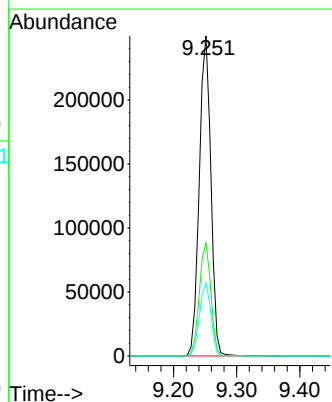
Tgt Ion:172 Resp: 318022

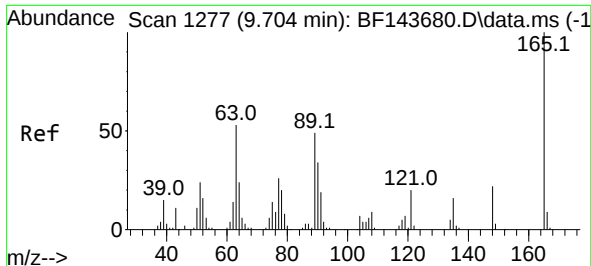
Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 22.9 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 9.940 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.229 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

Instrument :

BNA_F

ClientSampleId :

MH-384

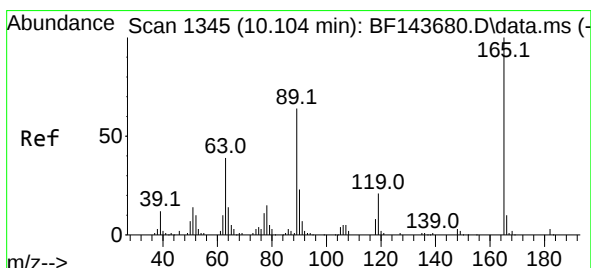
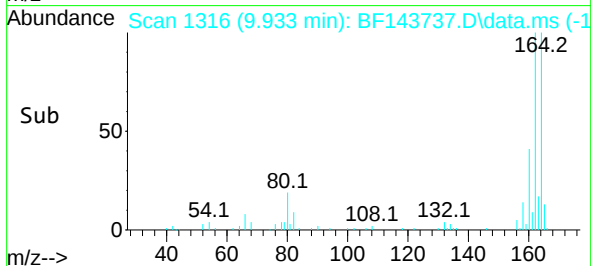
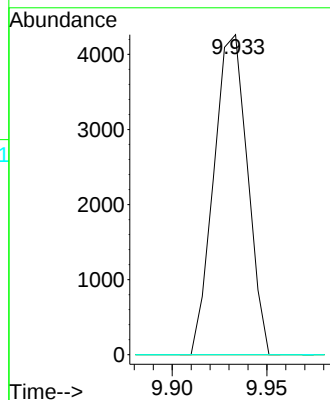
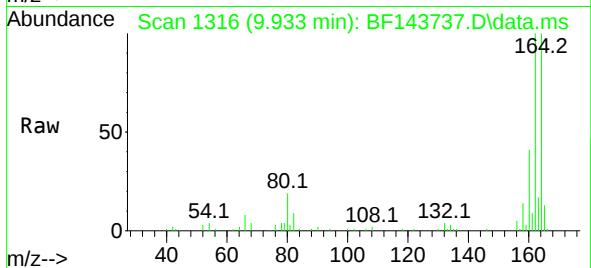
Tgt Ion:165 Resp: 5276

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.303 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.171 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

Tgt Ion:165 Resp: 5276

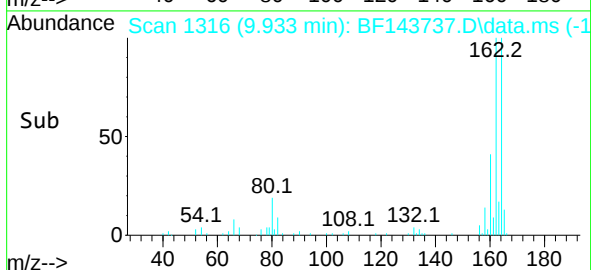
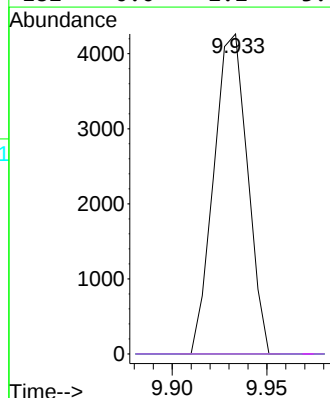
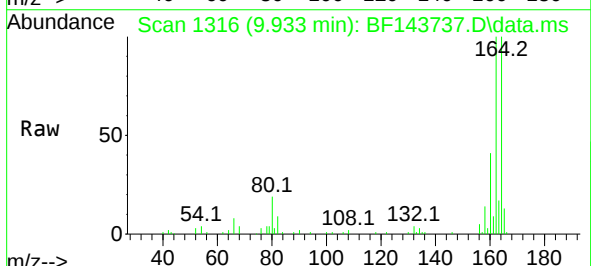
Ion Ratio Lower Upper

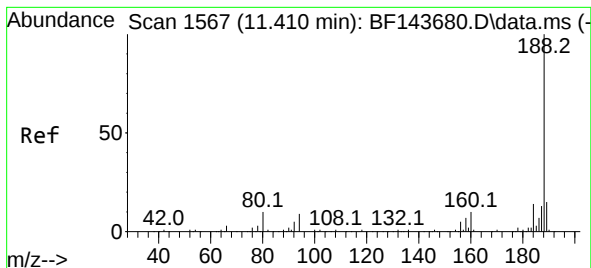
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

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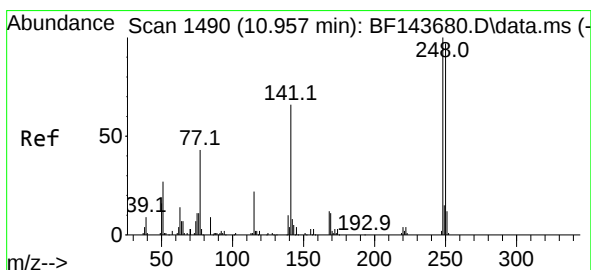
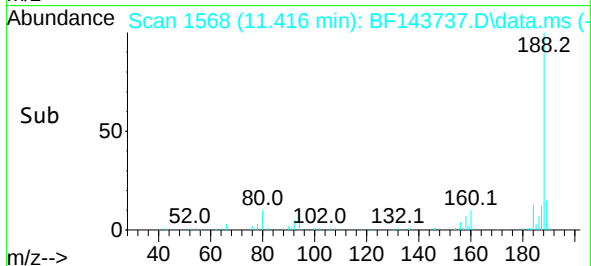
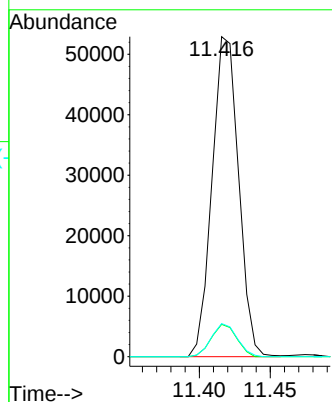
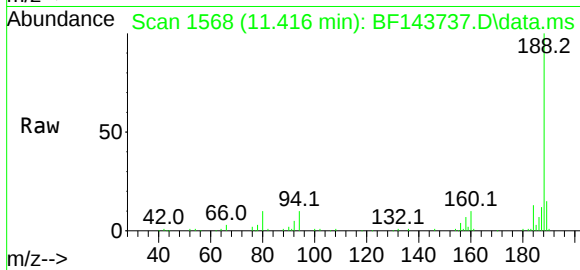
Tgt Ion:188 Resp: 68736

Ion Ratio Lower Upper

188 100

94 10.1 7.4 11.0

80 10.4 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 5.118 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.241 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

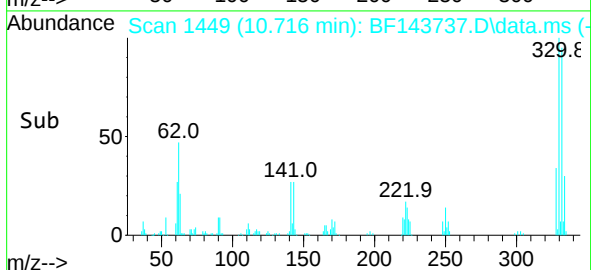
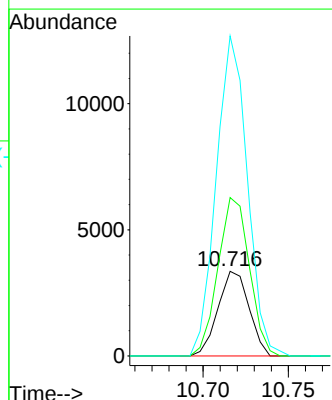
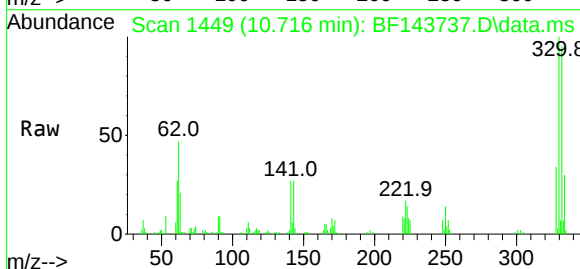
Tgt Ion:248 Resp: 4242

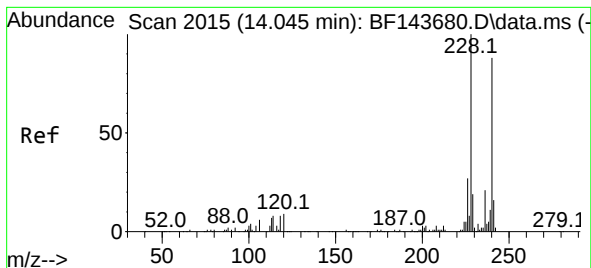
Ion Ratio Lower Upper

248 100

250 187.0 77.5 116.3#

141 378.0 52.6 79.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.012 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

Instrument :

BNA_F

ClientSampleId :

MH-384

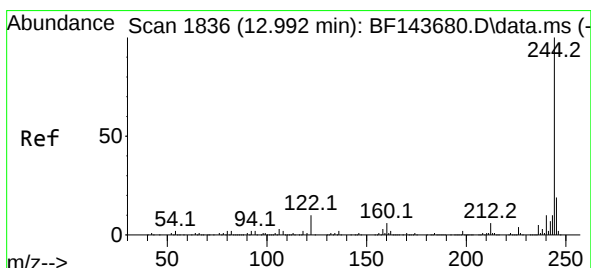
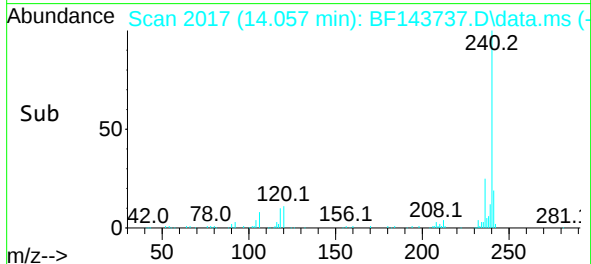
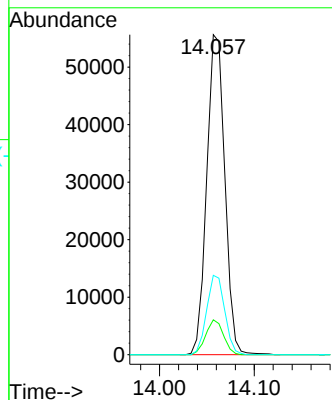
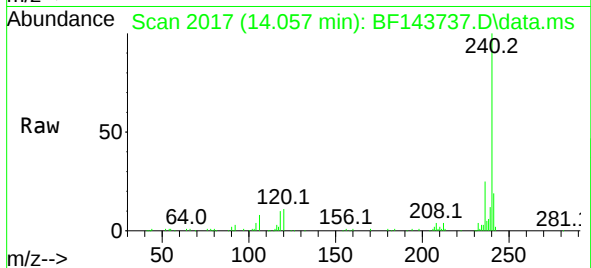
Tgt Ion:240 Resp: 73789

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 24.8 18.6 28.0



#79

Terphenyl-d14

Concen: 77.984 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.018 min

Lab File: BF143737.D

Acq: 12 Sep 2025 17:09

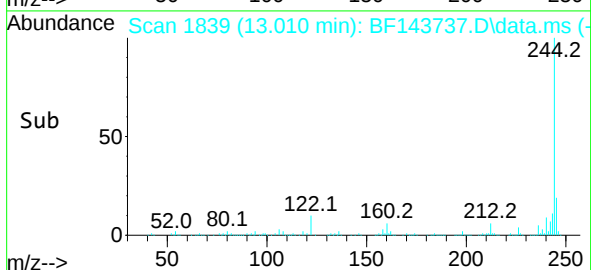
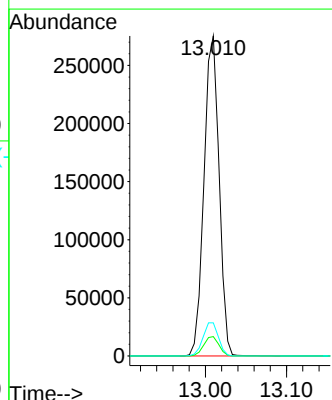
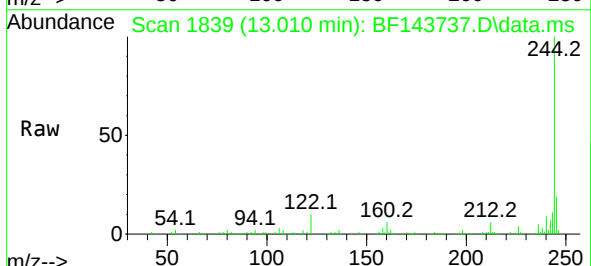
Tgt Ion:244 Resp: 355092

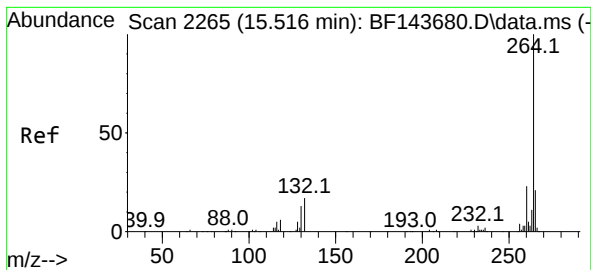
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.6

122 10.3 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143737.D

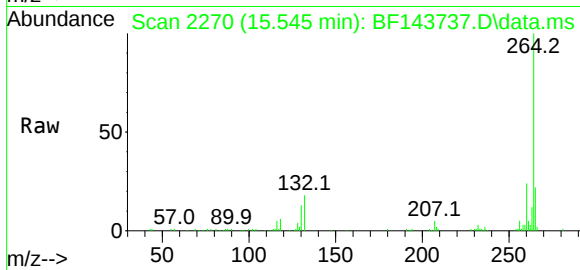
Acq: 12 Sep 2025 17:09

Instrument :

BNA_F

ClientSampleId :

MH-384



Tgt Ion:264 Resp: 71747

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 22.3 17.1 25.7

