

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142884.D
 Acq On : 27 Jun 2025 10:49
 Operator : RC/JU
 Sample : PB168625BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168625BL

Quant Time: Jun 27 11:47:24 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)

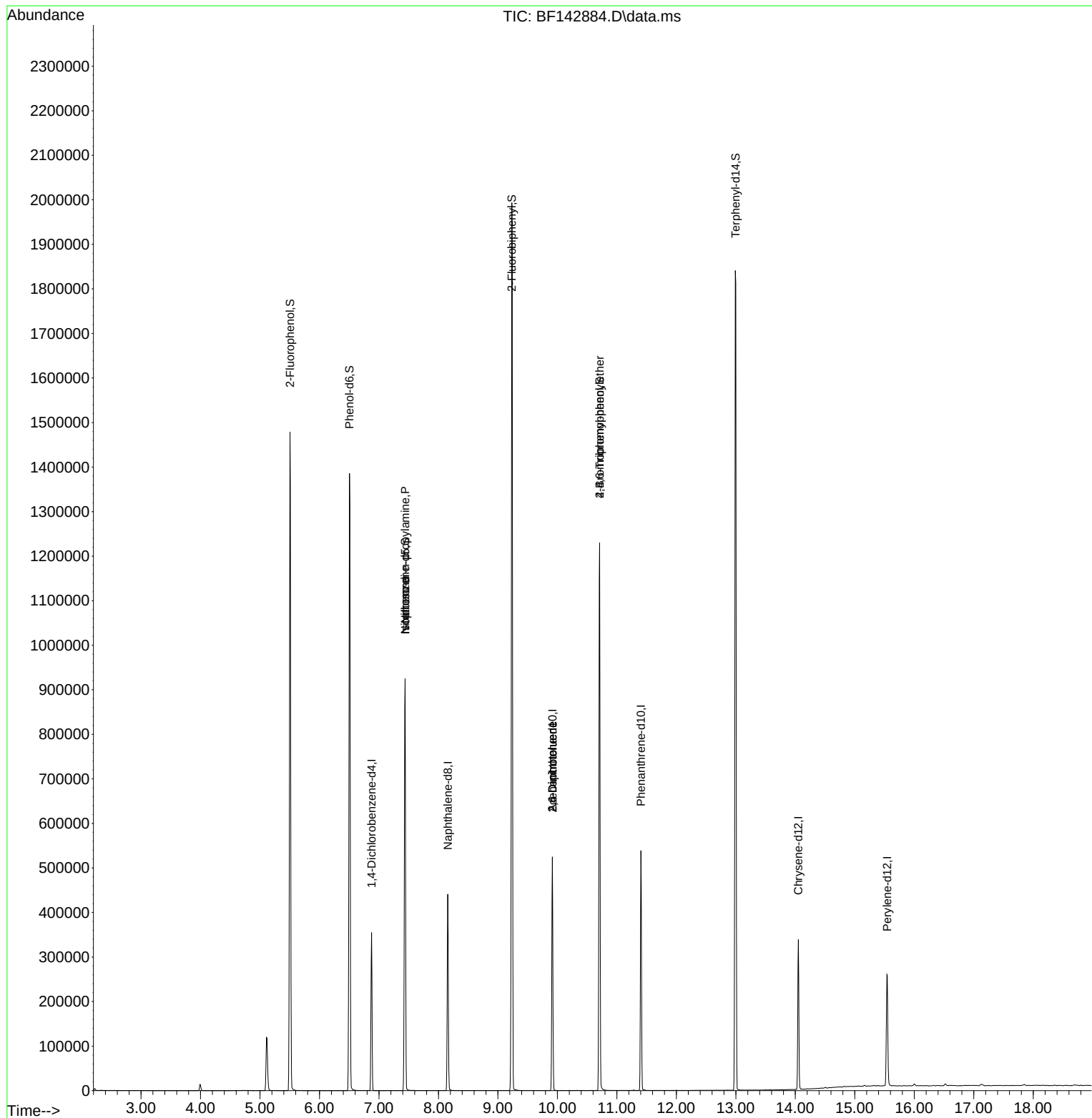
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77055	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	295430	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	162519	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	284575	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168482	20.000	ng	0.00
86) Perylene-d12	15.545	264	158706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585667	126.545	ng	0.01
7) Phenol-d6	6.504	99	692386	126.804	ng	0.00
23) Nitrobenzene-d5	7.440	82	439469	81.594	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	223294	133.515	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	957296	77.380	ng	-0.01
79) Terphenyl-d14	12.998	244	957194	78.498	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	58734	18.495	ng	# 73
25) Isophorone	7.440	82	437243	50.606	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20784	8.996	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	20784	6.773	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	14349	4.430	ng	# 1

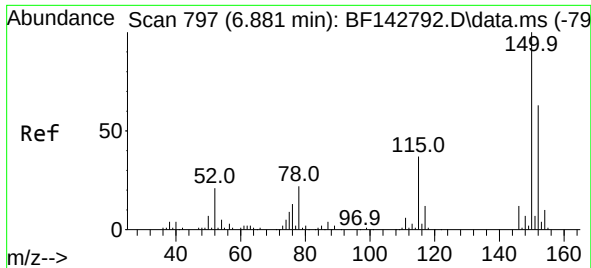
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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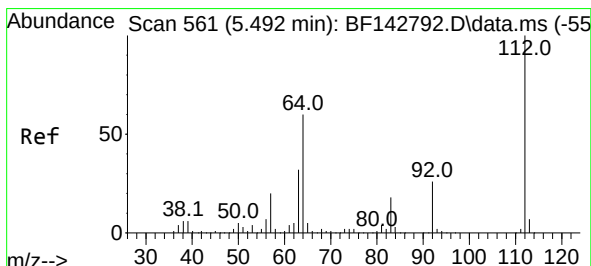
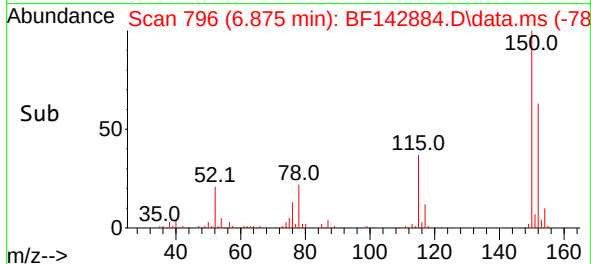
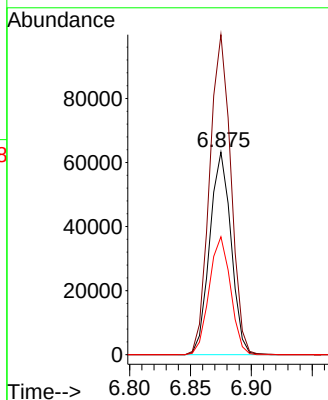
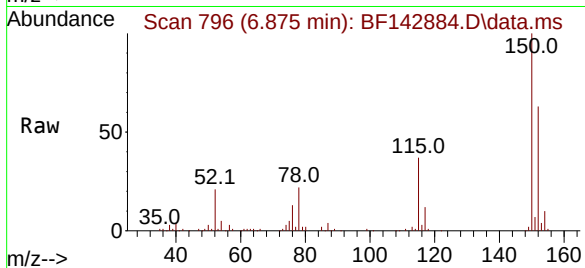




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

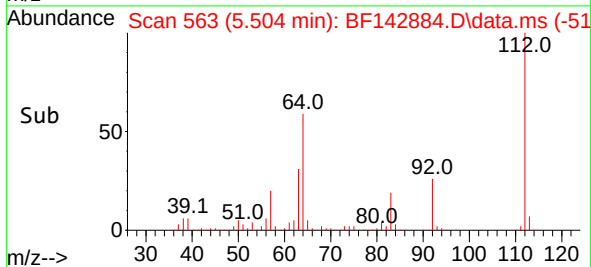
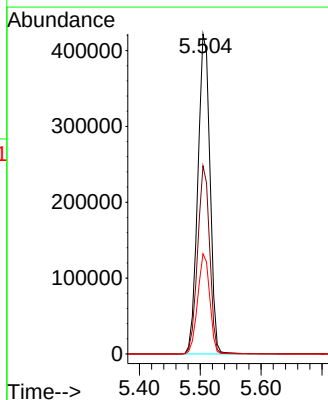
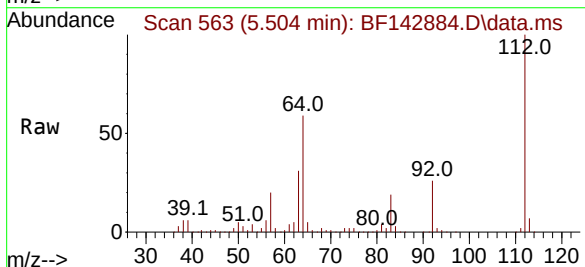
Instrument :
BNA_F
ClientSampleId :
PB168625BL

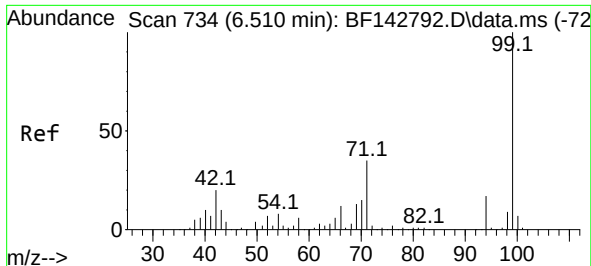
Tgt Ion:152 Resp: 77055
Ion Ratio Lower Upper
152 100
150 158.0 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 126.545 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:112 Resp: 585667
Ion Ratio Lower Upper
112 100
64 58.8 48.2 72.2
63 31.3 25.7 38.5

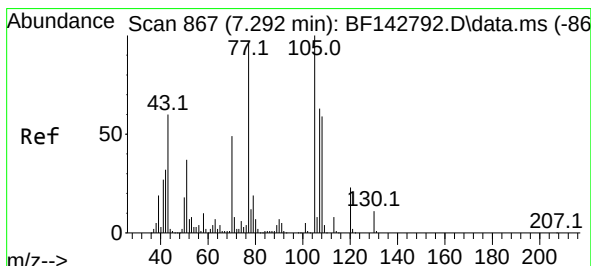
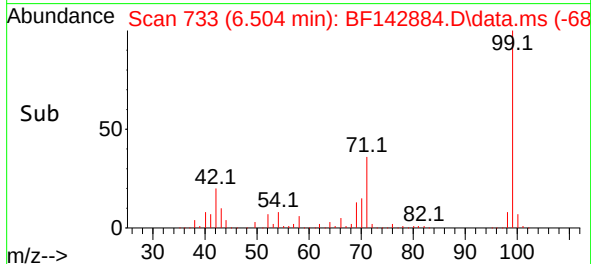
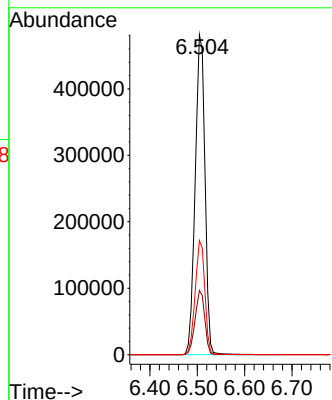
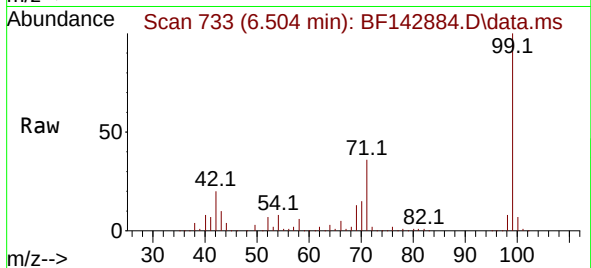




#7
Phenol-d6
Concen: 126.804 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

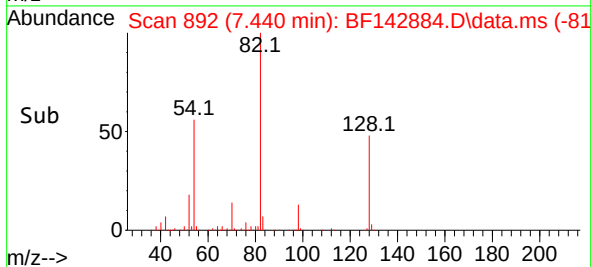
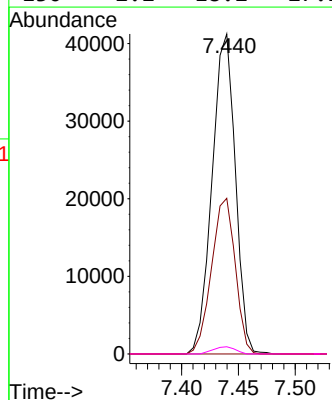
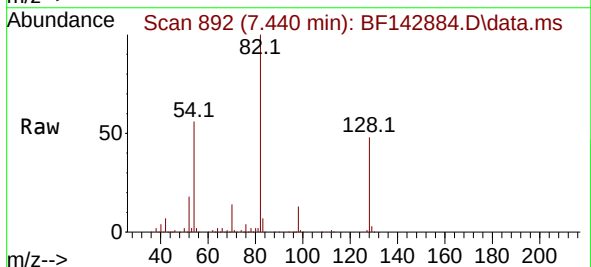
Instrument :
BNA_F
ClientSampleId :
PB168625BL

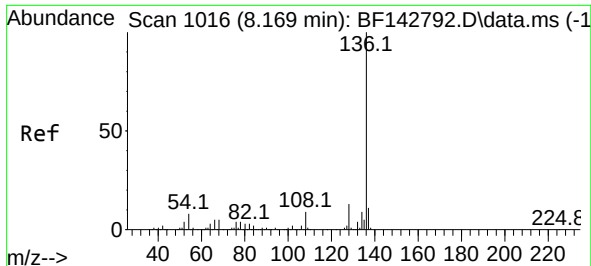
Tgt Ion: 99 Resp: 692386
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 35.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.495 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion: 70 Resp: 58734
Ion Ratio Lower Upper
70 100
42 48.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

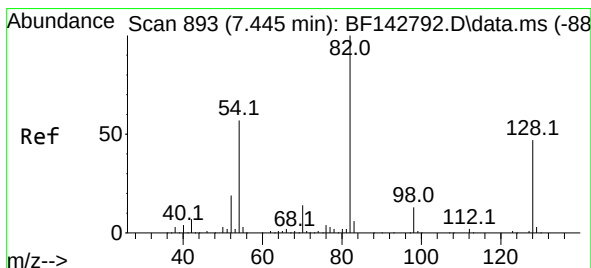
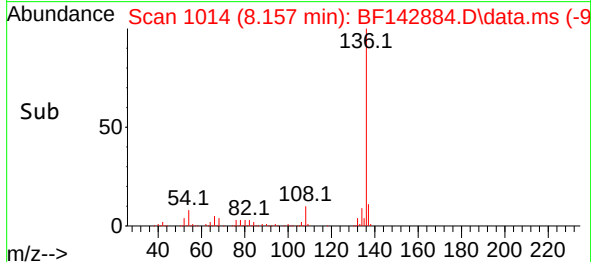
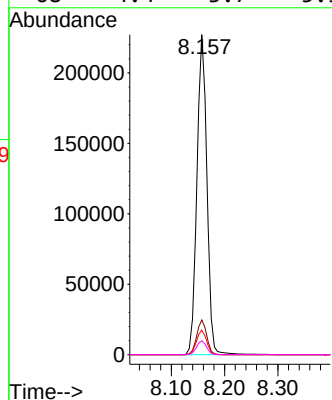
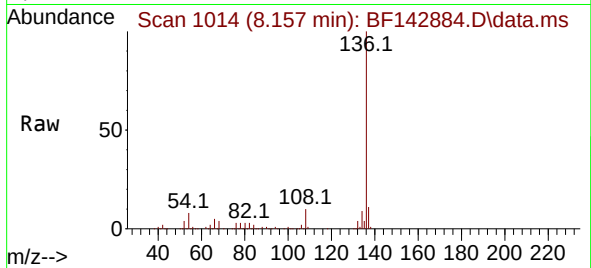




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

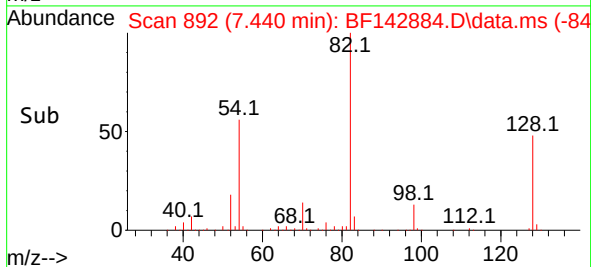
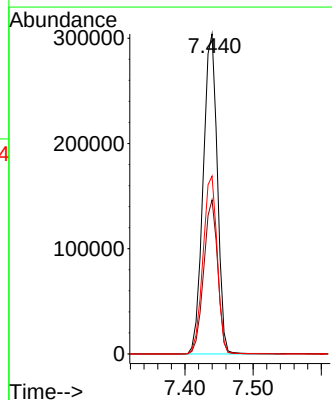
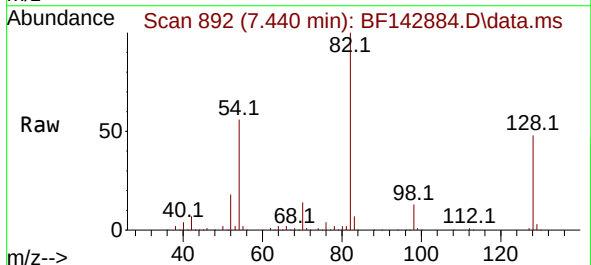
Instrument :
BNA_F
ClientSampleId :
PB168625BL

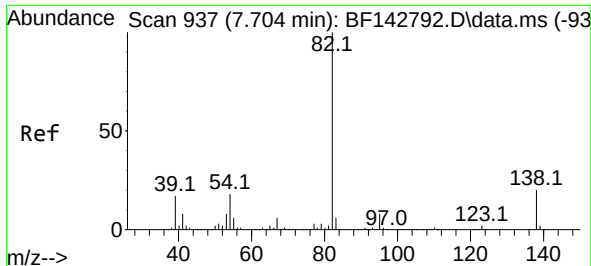
Tgt Ion:136 Resp: 295430
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.7 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 81.594 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion: 82 Resp: 439469
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 55.6 45.7 68.5

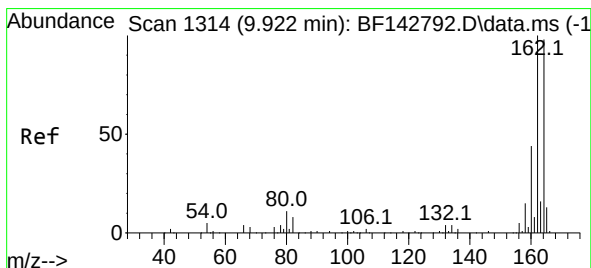
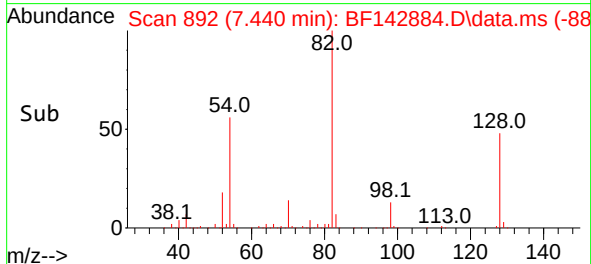
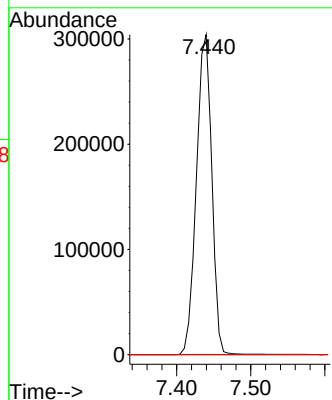
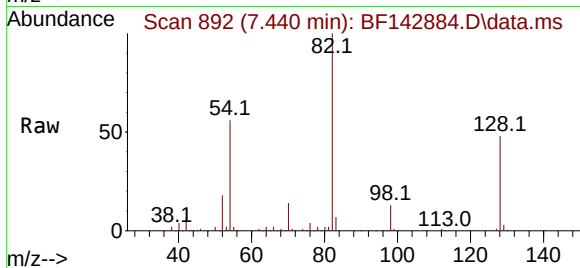




#25
Isophorone
Concen: 50.606 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

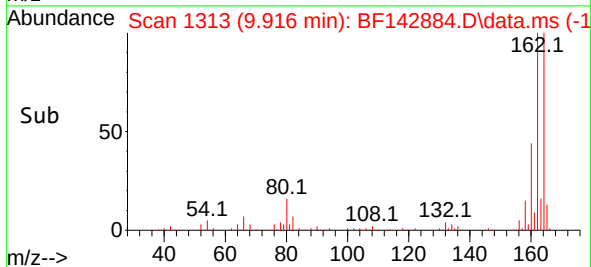
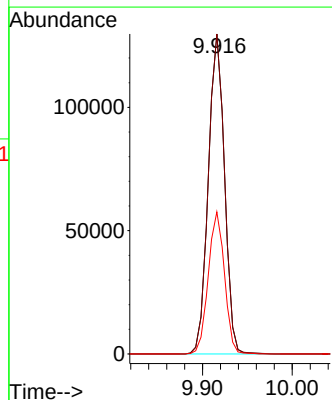
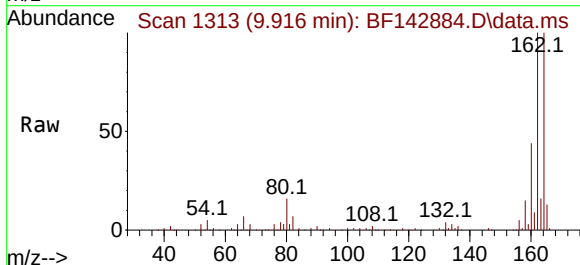
Instrument :
BNA_F
ClientSampleId :
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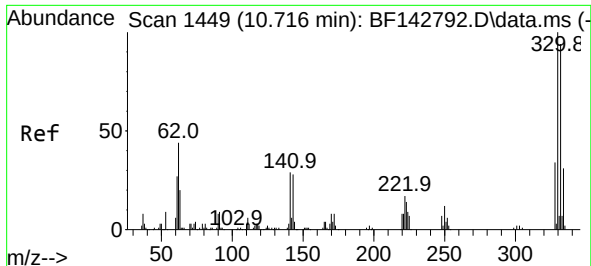
Tgt Ion: 82 Resp: 437243
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:164 Resp: 162519
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.8
160 44.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 133.515 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142884.D

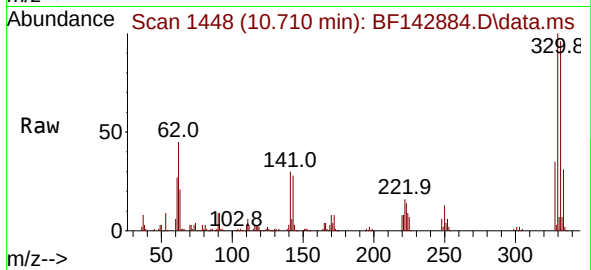
Acq: 27 Jun 2025 10:49

Instrument :

BNA_F

ClientSampleId :

PB168625BL



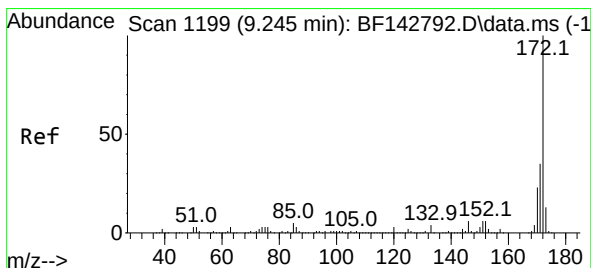
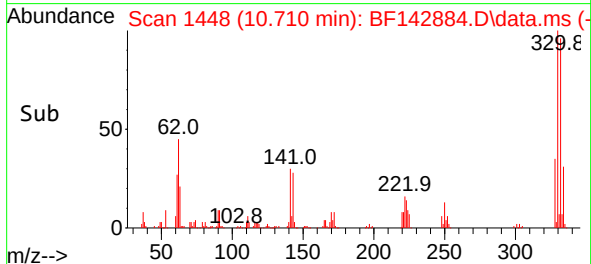
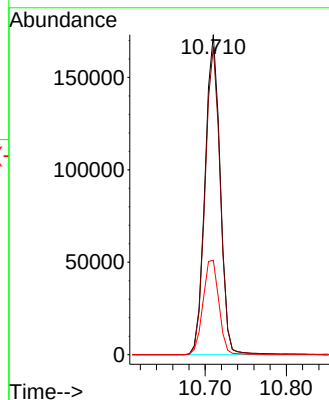
Tgt Ion:330 Resp: 223294

Ion Ratio Lower Upper

330 100

332 96.6 75.0 112.6

141 31.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 77.380 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142884.D

Acq: 27 Jun 2025 10:49

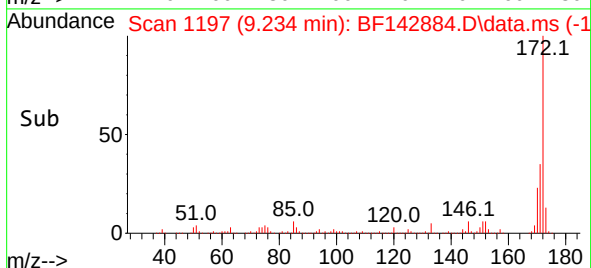
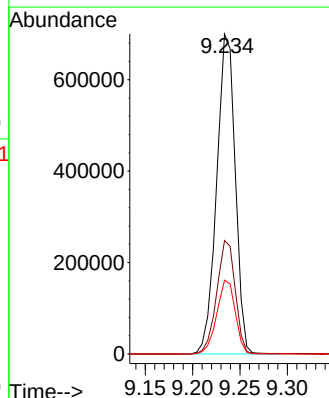
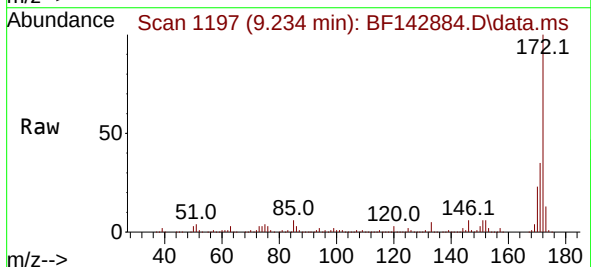
Tgt Ion:172 Resp: 957296

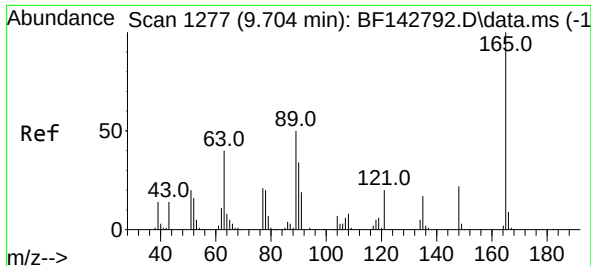
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.0 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.996 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142884.D

Acq: 27 Jun 2025 10:49

Instrument :

BNA_F

ClientSampleId :

PB168625BL

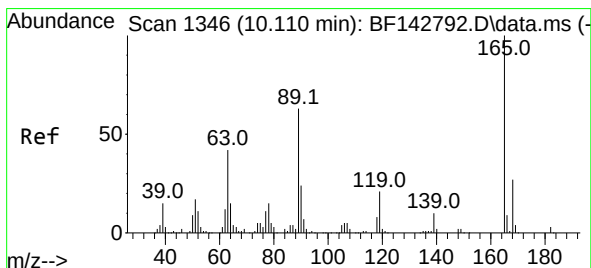
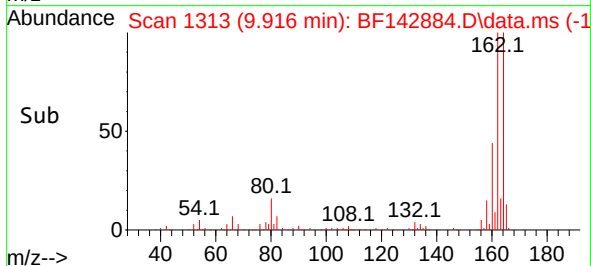
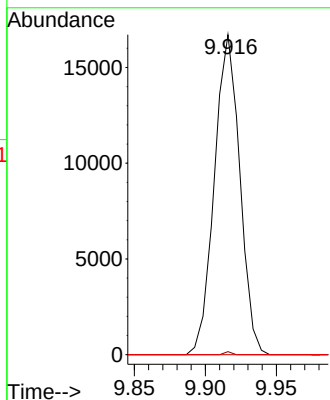
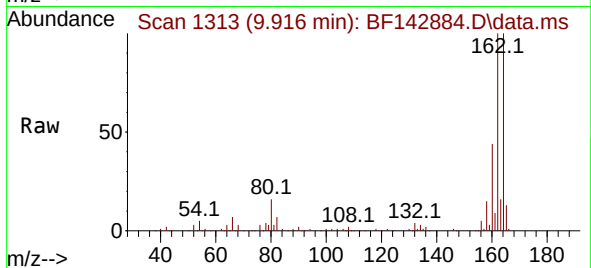
Tgt Ion:165 Resp: 20784

Ion Ratio Lower Upper

165 100

63 1.0 44.2 66.4#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.773 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142884.D

Acq: 27 Jun 2025 10:49

Tgt Ion:165 Resp: 20784

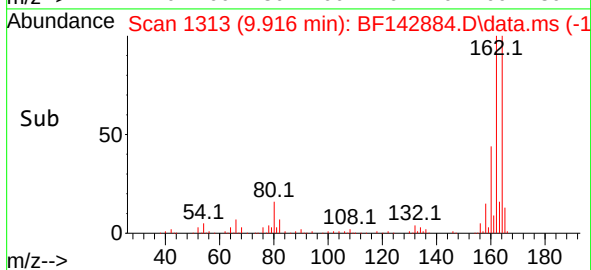
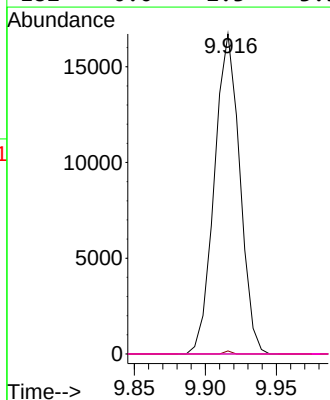
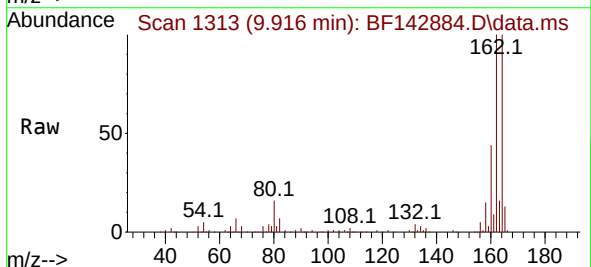
Ion Ratio Lower Upper

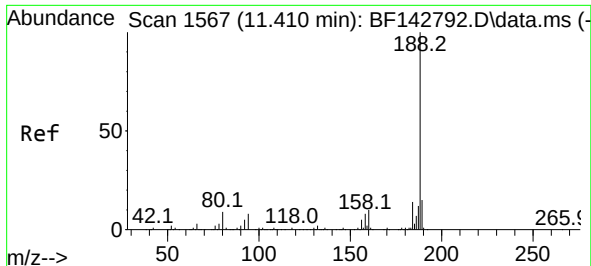
165 100

63 1.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#

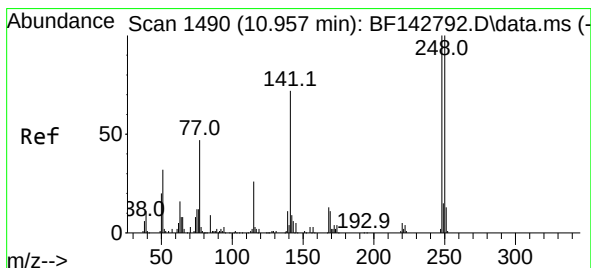
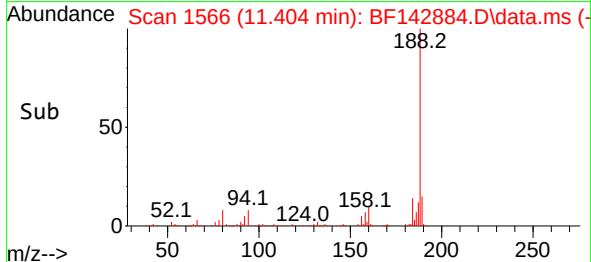
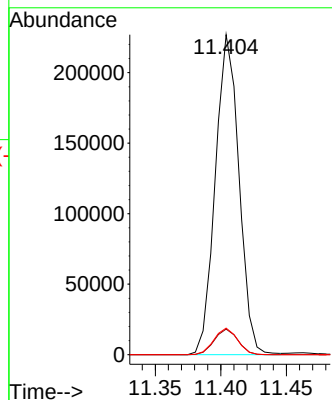
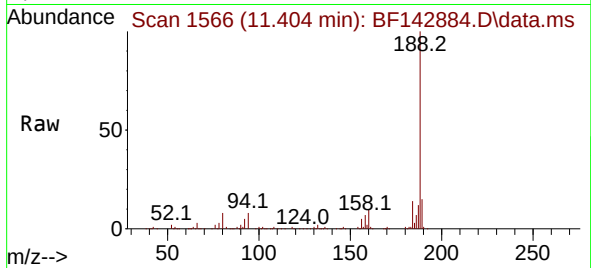




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

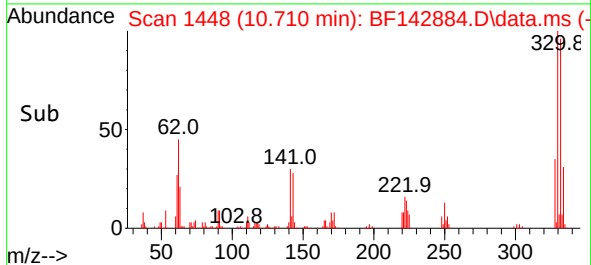
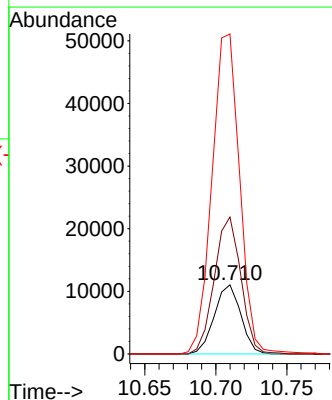
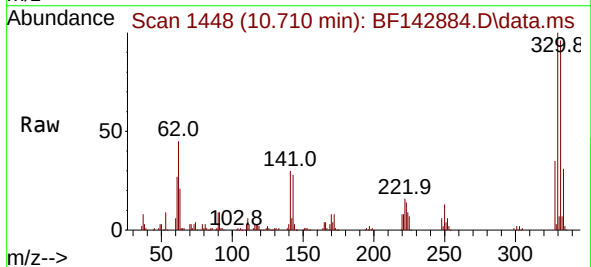
Instrument :
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PB168625BL

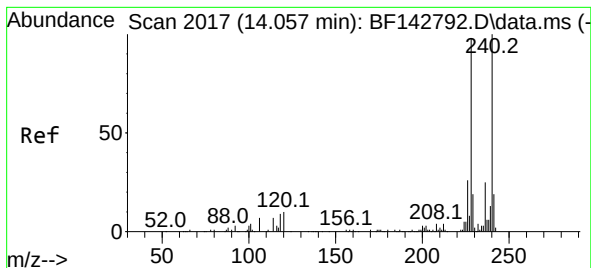
Tgt Ion:188 Resp: 284575
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.3 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.430 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:248 Resp: 14349
Ion Ratio Lower Upper
248 100
250 198.0 79.8 119.8#
141 462.7 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142884.D

Acq: 27 Jun 2025 10:49

Instrument :

BNA_F

ClientSampleId :

PB168625BL

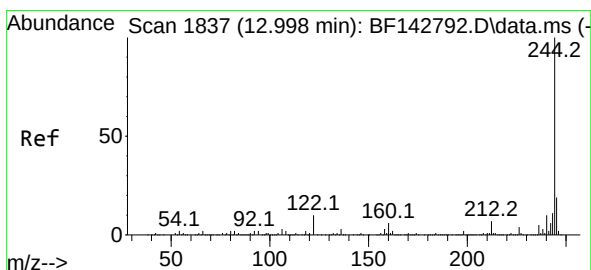
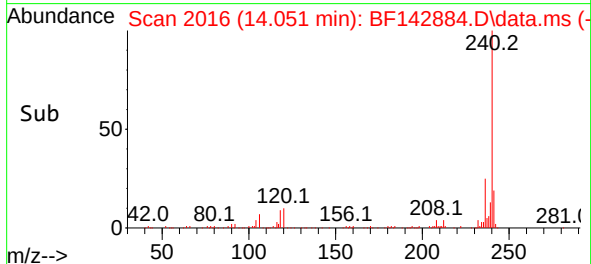
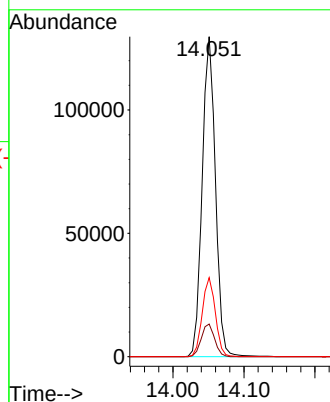
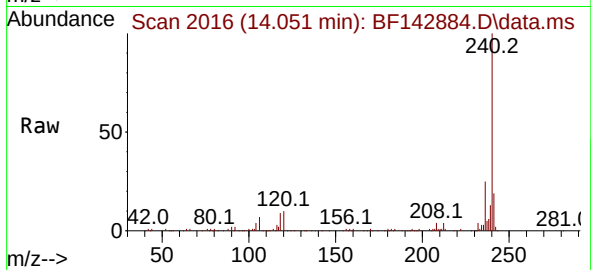
Tgt Ion:240 Resp: 168482

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 24.7 19.8 29.8



#79

Terphenyl-d14

Concen: 78.498 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142884.D

Acq: 27 Jun 2025 10:49

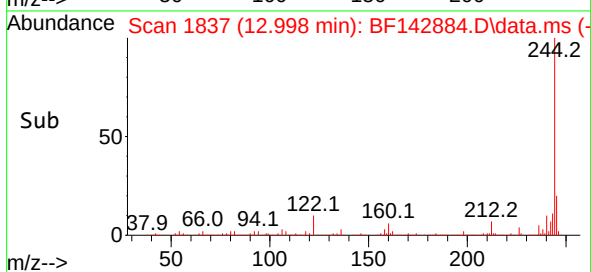
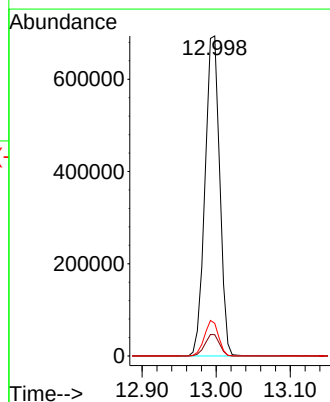
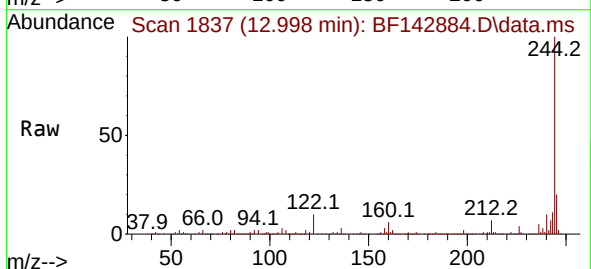
Tgt Ion:244 Resp: 957194

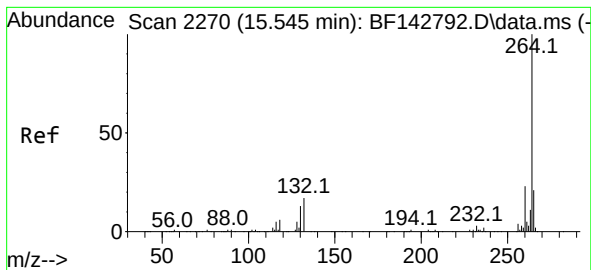
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142884.D

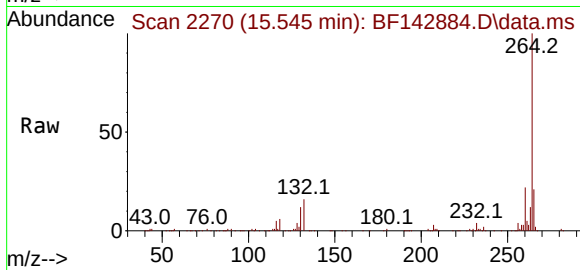
Acq: 27 Jun 2025 10:49

Instrument :

BNA_F

ClientSampleId :

PB168625BL



Tgt Ion:264 Resp: 158706

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.1 16.6 25.0

