

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142835.D
 Acq On : 25 Jun 2025 13:55
 Operator : RC/JU
 Sample : PB168592BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168592BL

Quant Time: Jun 25 14:34:12 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)

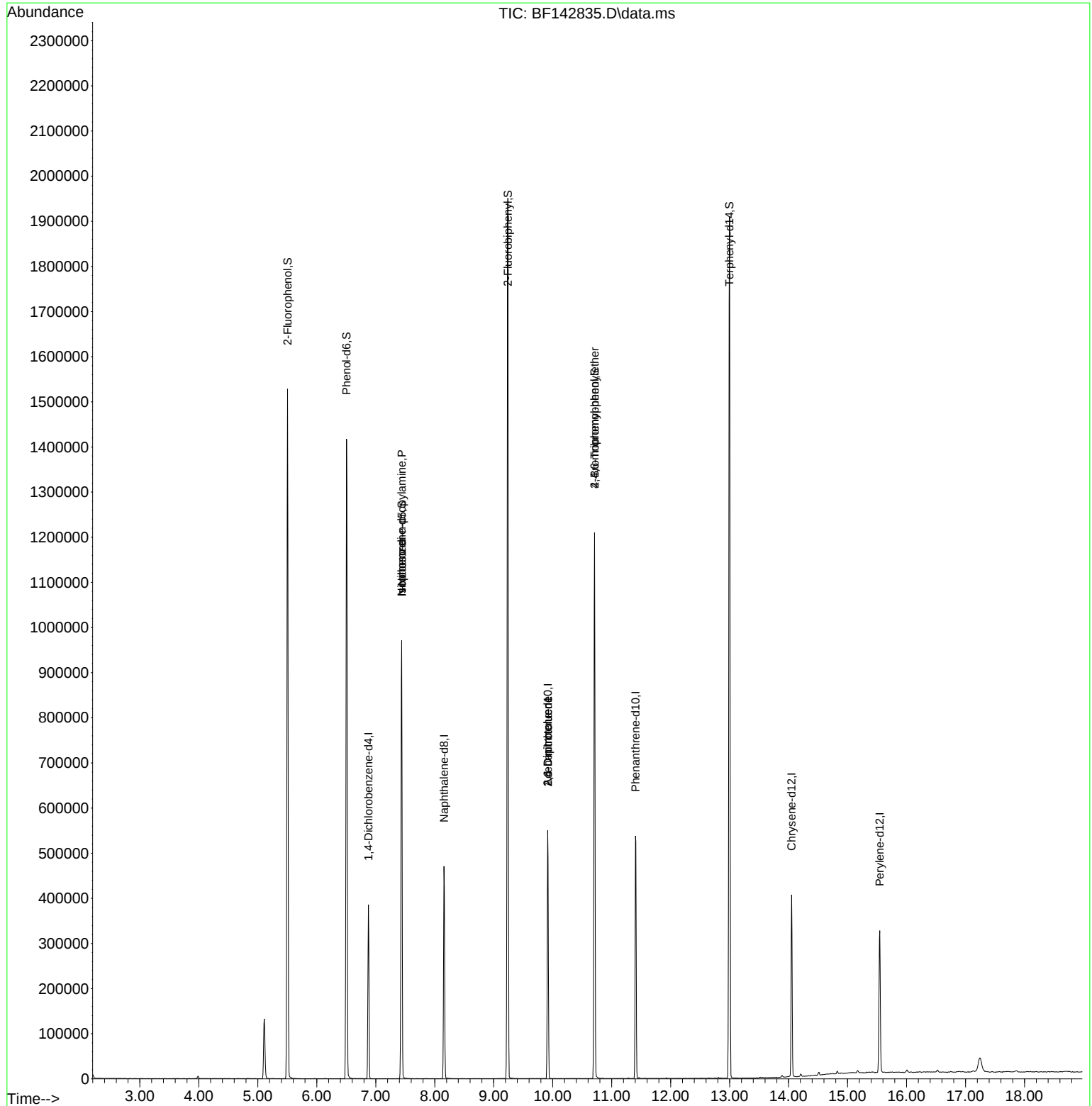
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	83049	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	315982	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	166060	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	291883	20.000	ng	0.00
76) Chrysene-d12	14.051	240	193847	20.000	ng	0.00
86) Perylene-d12	15.545	264	187448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	594586	119.200	ng	0.01
7) Phenol-d6	6.504	99	692334	117.643	ng	0.00
23) Nitrobenzene-d5	7.439	82	436257	75.729	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	215307	125.994	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	947291	74.939	ng	0.00
79) Terphenyl-d14	12.998	244	957603	68.256	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	57770	16.878	ng	# 74
25) Isophorone	7.439	82	434223	46.988	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	21136	8.954	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	21136	6.741	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	13373	4.026	ng	# 1

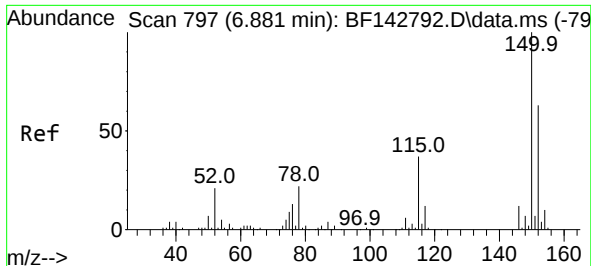
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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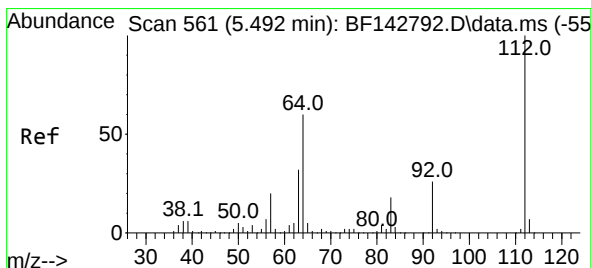
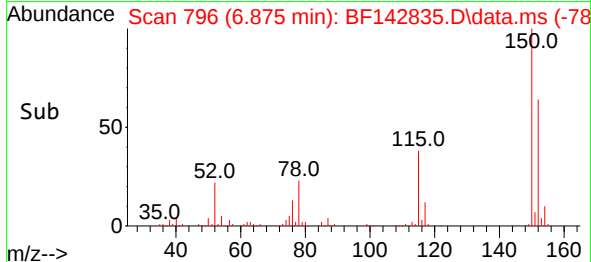
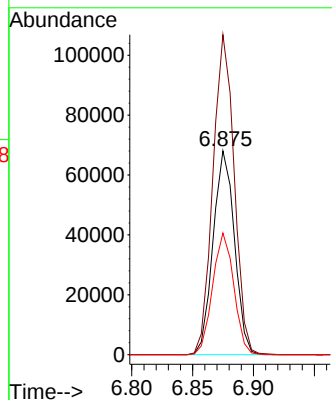
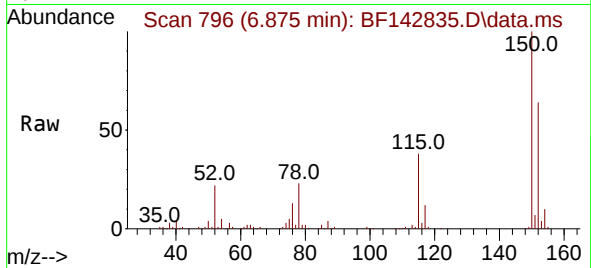




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

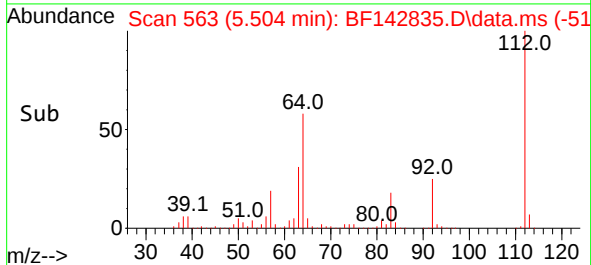
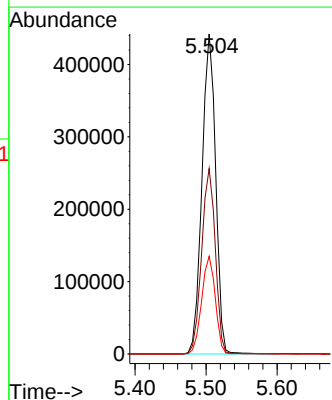
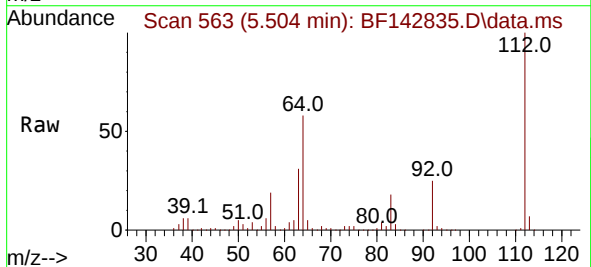
Instrument :
BNA_F
ClientSampleId :
PB168592BL

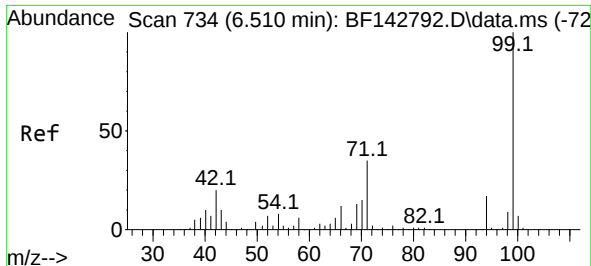
Tgt Ion:152 Resp: 83049
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 59.6 46.6 69.8



#5
2-Fluorophenol
Concen: 119.200 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

Tgt Ion:112 Resp: 594586
Ion Ratio Lower Upper
112 100
64 57.9 48.2 72.2
63 30.5 25.7 38.5

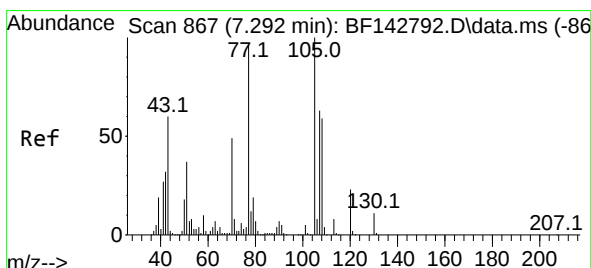
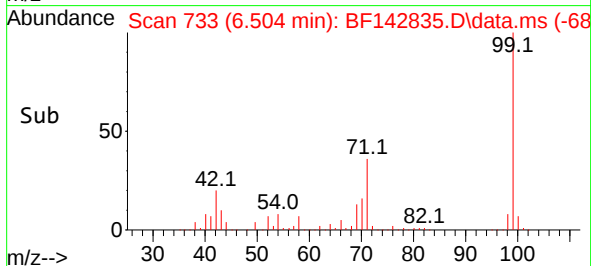
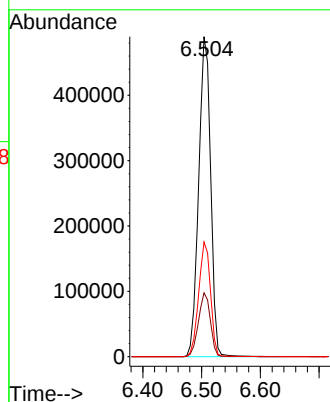
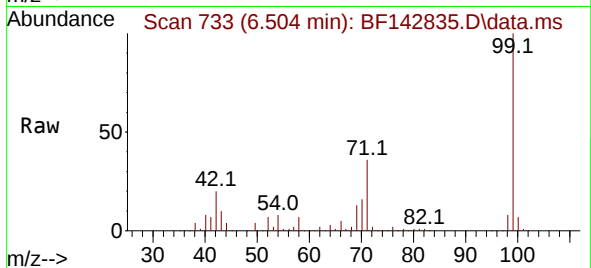




#7
Phenol-d6
Concen: 117.643 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

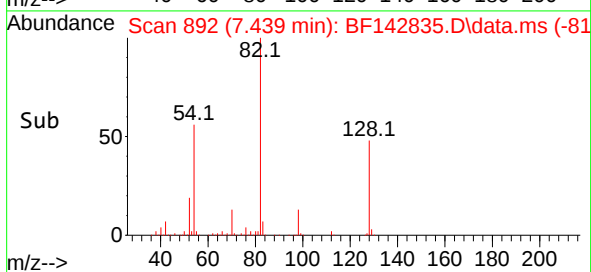
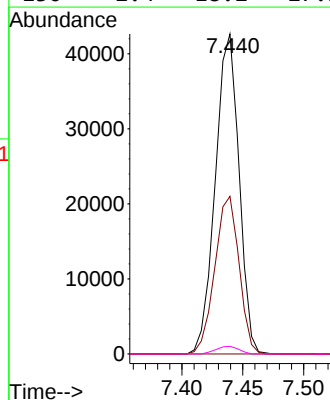
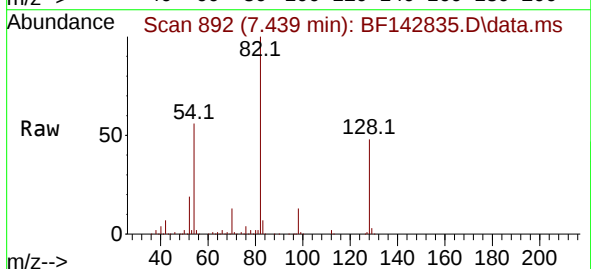
Instrument :
BNA_F
ClientSampleId :
PB168592BL

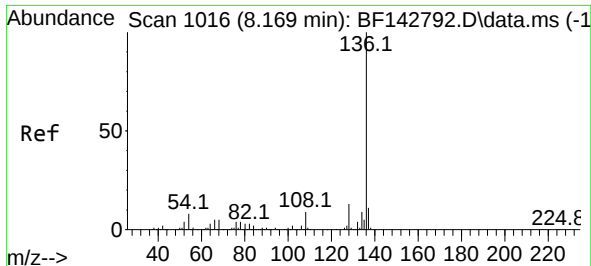
Tgt Ion: 99 Resp: 692334
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.878 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

Tgt Ion: 70 Resp: 57770
Ion Ratio Lower Upper
70 100
42 49.3 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#

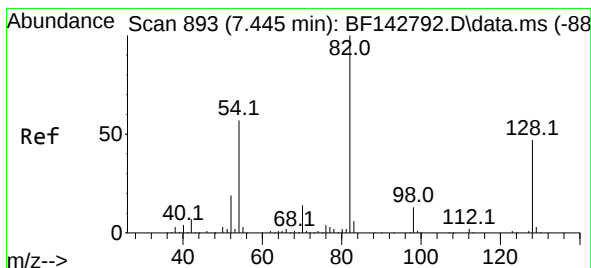
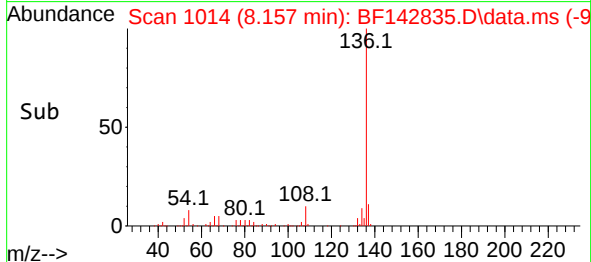
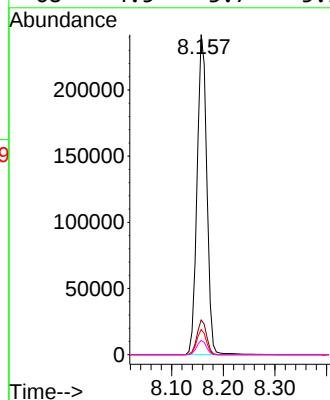
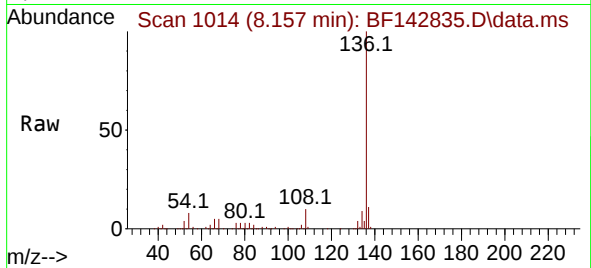




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

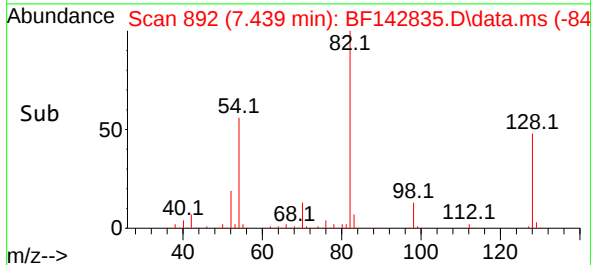
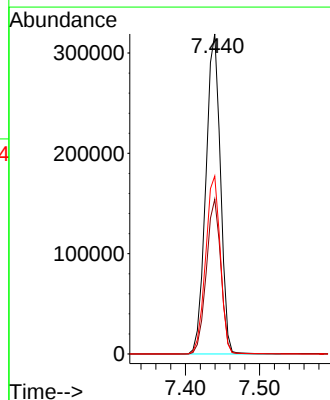
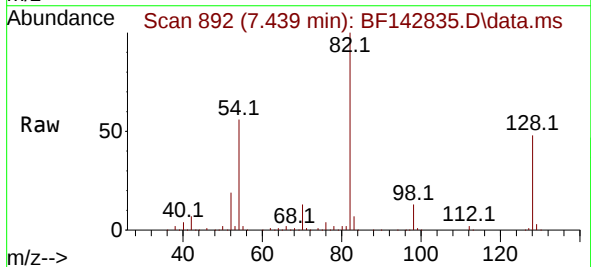
Instrument :
BNA_F
ClientSampleId :
PB168592BL

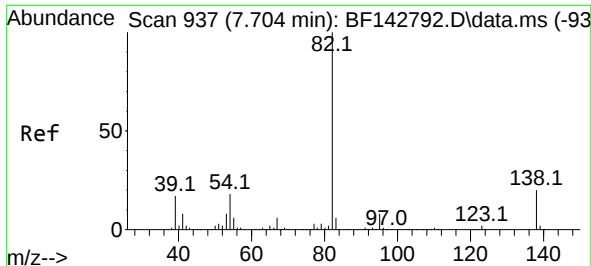
Tgt Ion:136 Resp: 315982
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.9 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 75.729 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

Tgt Ion: 82 Resp: 436257
Ion Ratio Lower Upper
82 100
128 48.3 37.7 56.5
54 55.6 45.7 68.5

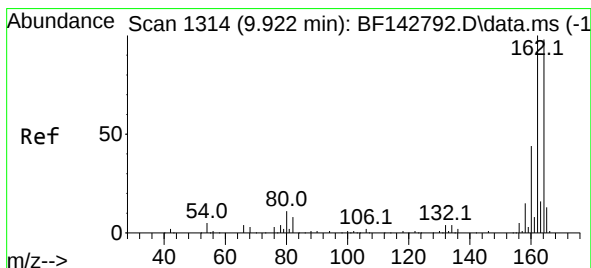
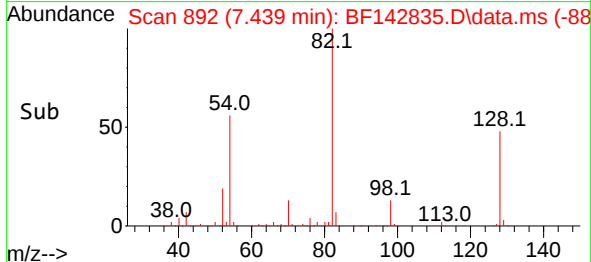
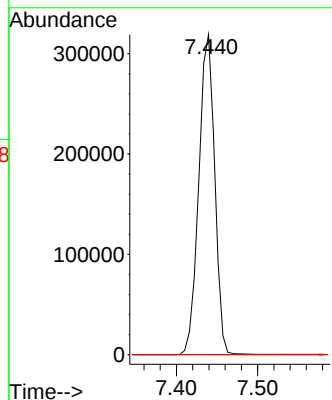
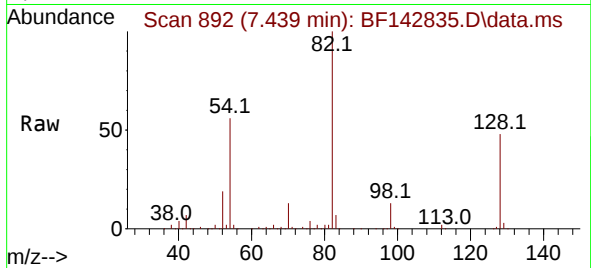




#25
Isophorone
Concen: 46.988 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

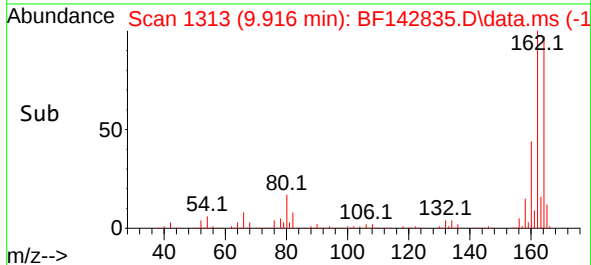
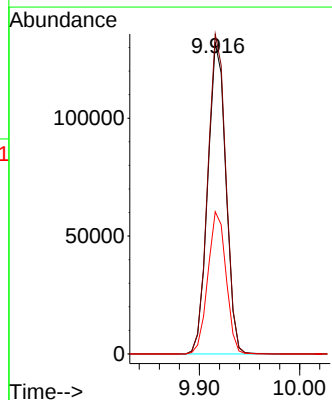
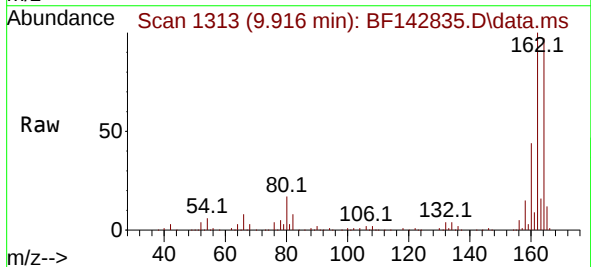
Instrument :
BNA_F
ClientSampleId :
PB168592BL

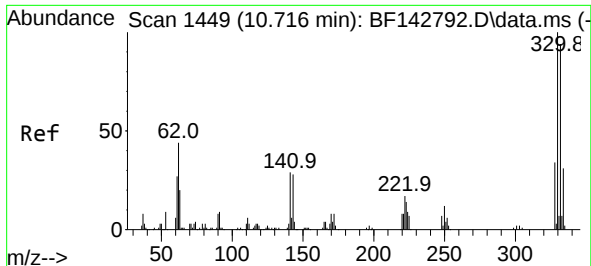
Tgt Ion: 82 Resp: 434223
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

Tgt Ion:164 Resp: 166060
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.8
160 45.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 125.994 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142835.D

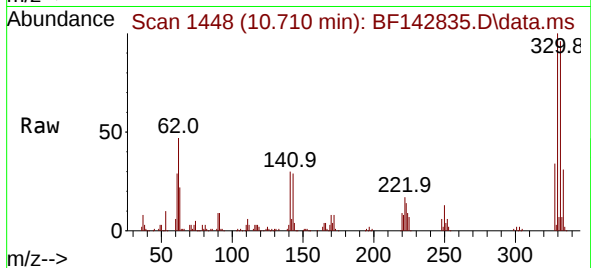
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Instrument :

BNA_F

ClientSampleId :

PB168592BL



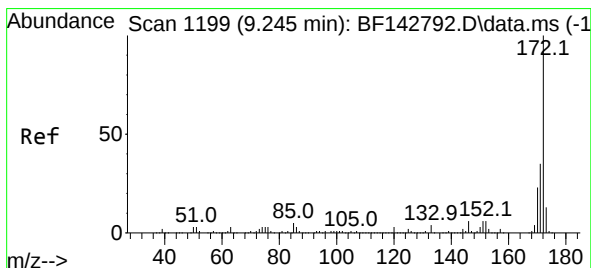
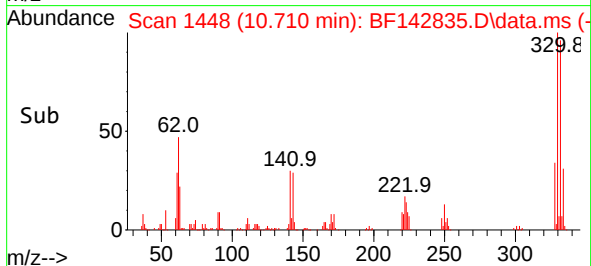
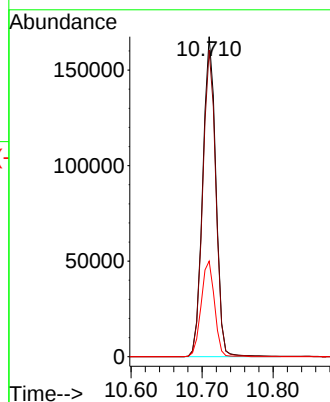
Tgt Ion:330 Resp: 215307

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.6

141 30.5 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 74.939 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142835.D

Acq: 25 Jun 2025 13:55

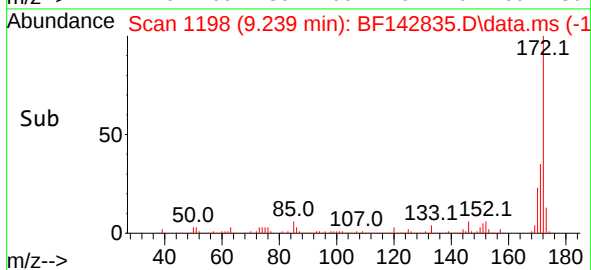
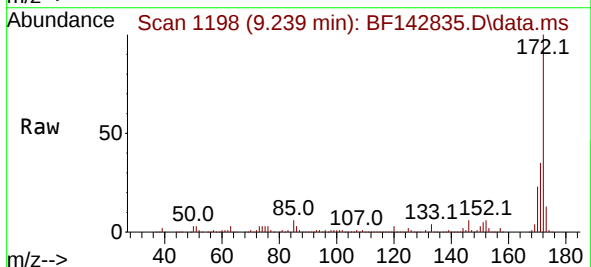
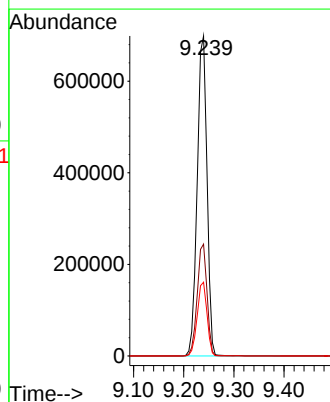
Tgt Ion:172 Resp: 947291

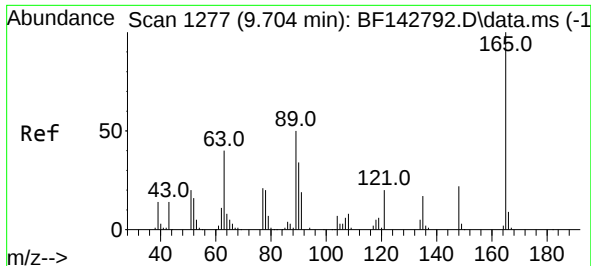
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.0 18.5 27.7

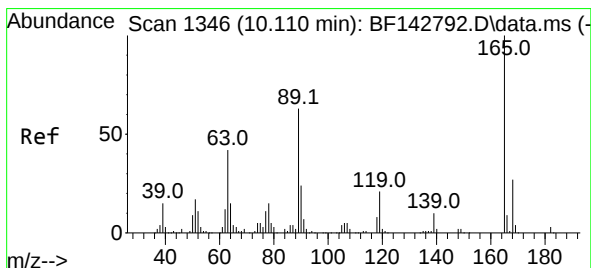
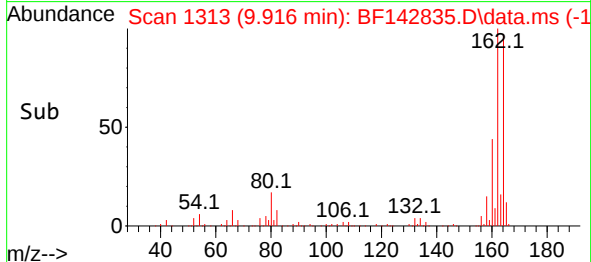
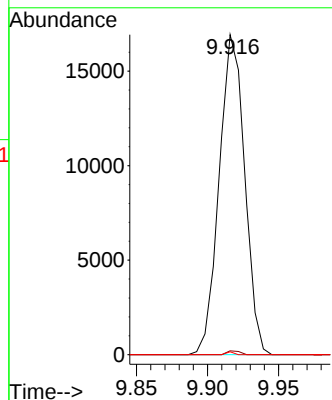
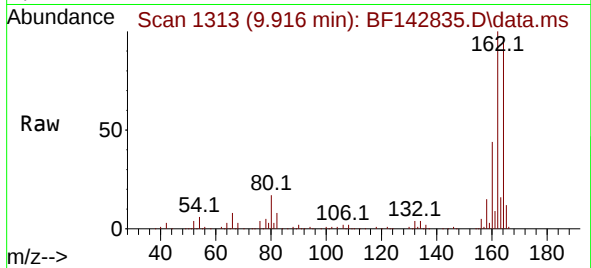




#51
2,6-Dinitrotoluene
Concen: 8.954 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

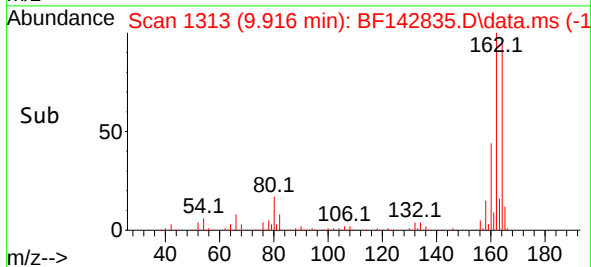
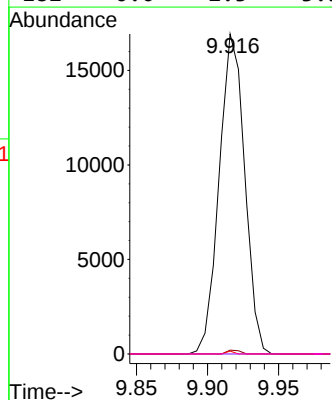
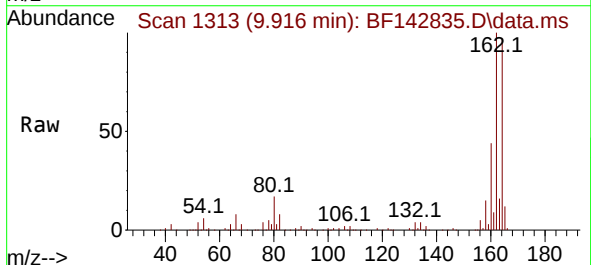
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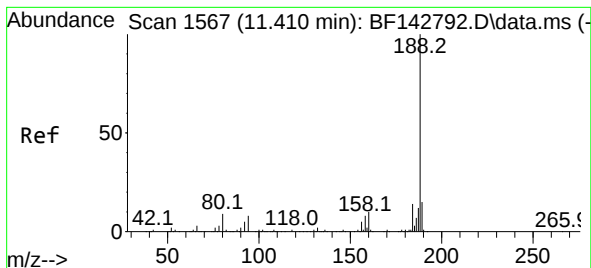
Tgt Ion:165 Resp: 21136
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 0.9 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.741 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142835.D
Acq: 25 Jun 2025 13:55

Tgt Ion:165 Resp: 21136
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 0.9 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: BF142835.D

Acq: 25 Jun 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB168592BL

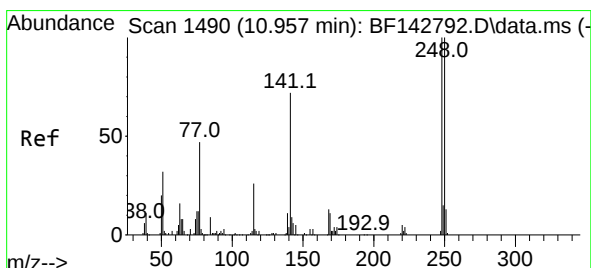
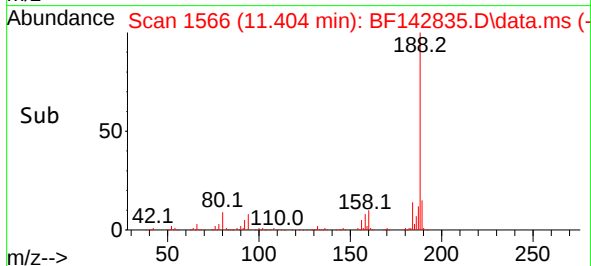
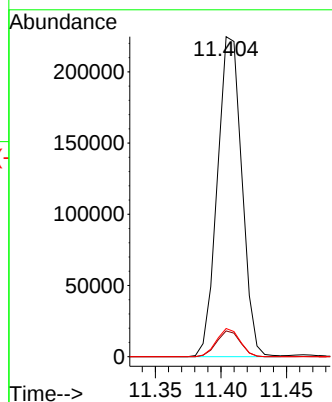
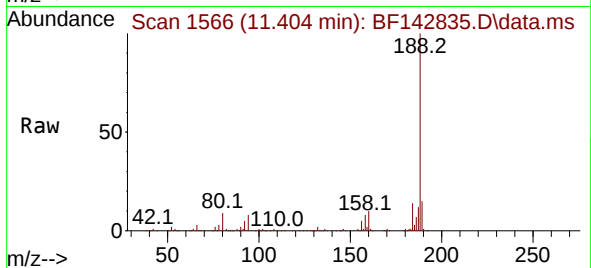
Tgt Ion:188 Resp: 291883

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.8 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.026 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142835.D

Acq: 25 Jun 2025 13:55

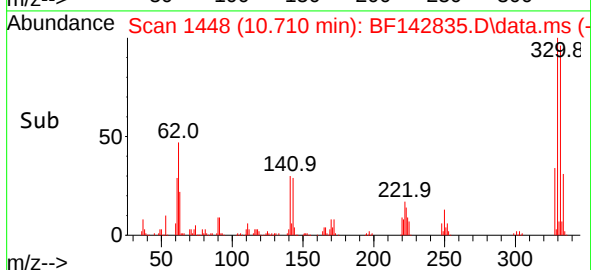
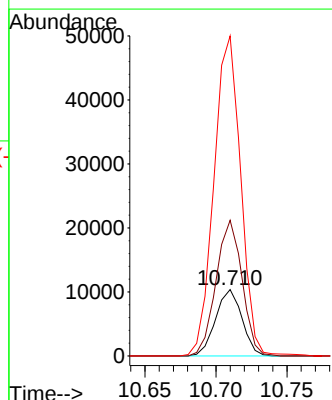
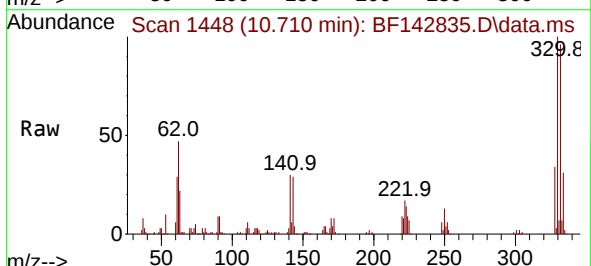
Tgt Ion:248 Resp: 13373

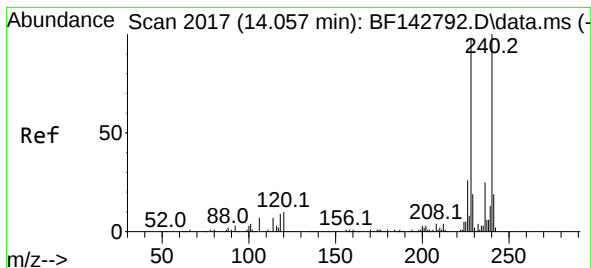
Ion Ratio Lower Upper

248 100

250 204.2 79.8 119.8#

141 481.9 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: BF142835.D

Acq: 25 Jun 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB168592BL

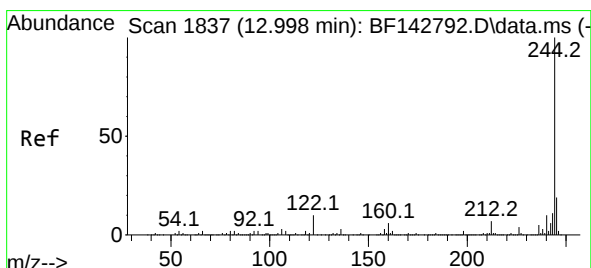
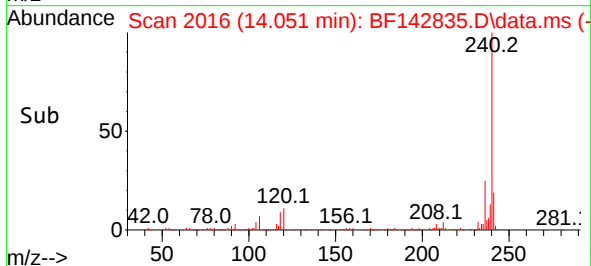
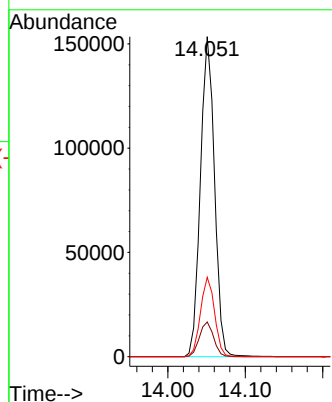
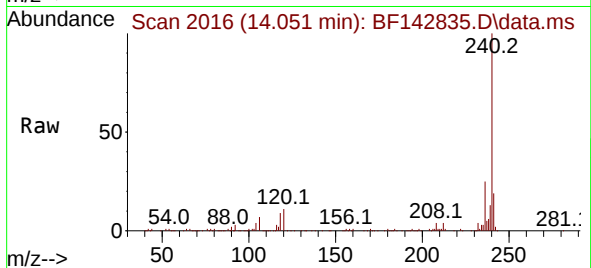
Tgt Ion:240 Resp: 193847

Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

236 24.8 19.8 29.8



#79

Terphenyl-d14

Concen: 68.256 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142835.D

Acq: 25 Jun 2025 13:55

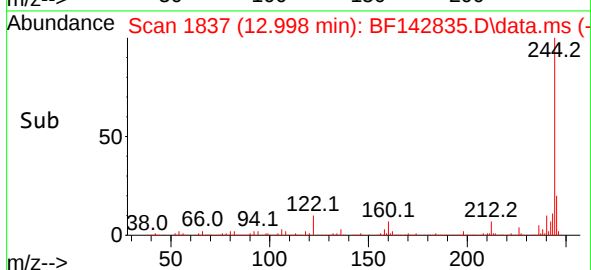
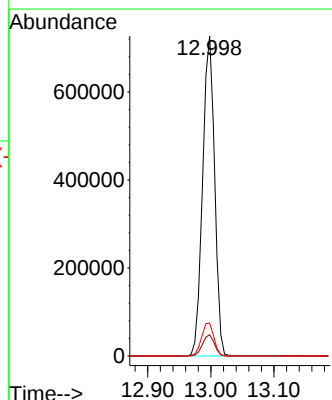
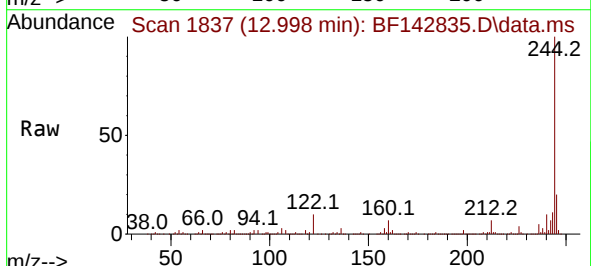
Tgt Ion:244 Resp: 957603

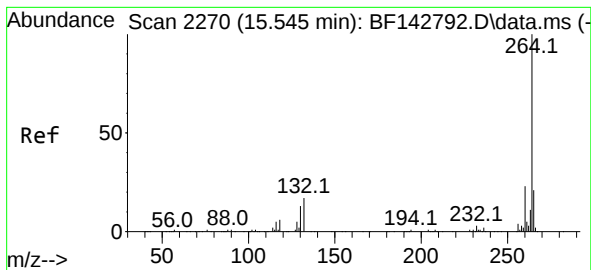
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.3 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: BF142835.D

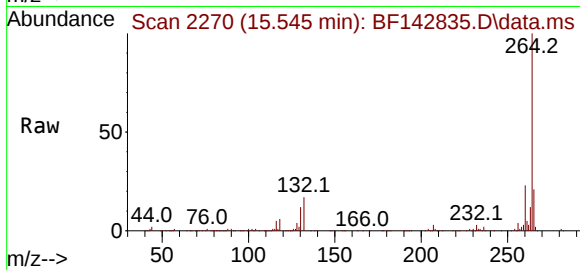
Acq: 25 Jun 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB168592BL



Tgt Ion:264 Resp: 187448

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.3 16.6 25.0

