

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142965.D
 Acq On : 02 Jul 2025 12:11
 Operator : RC/JU
 Sample : PB168652TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168652TB

Quant Time: Jul 02 13:20:12 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)

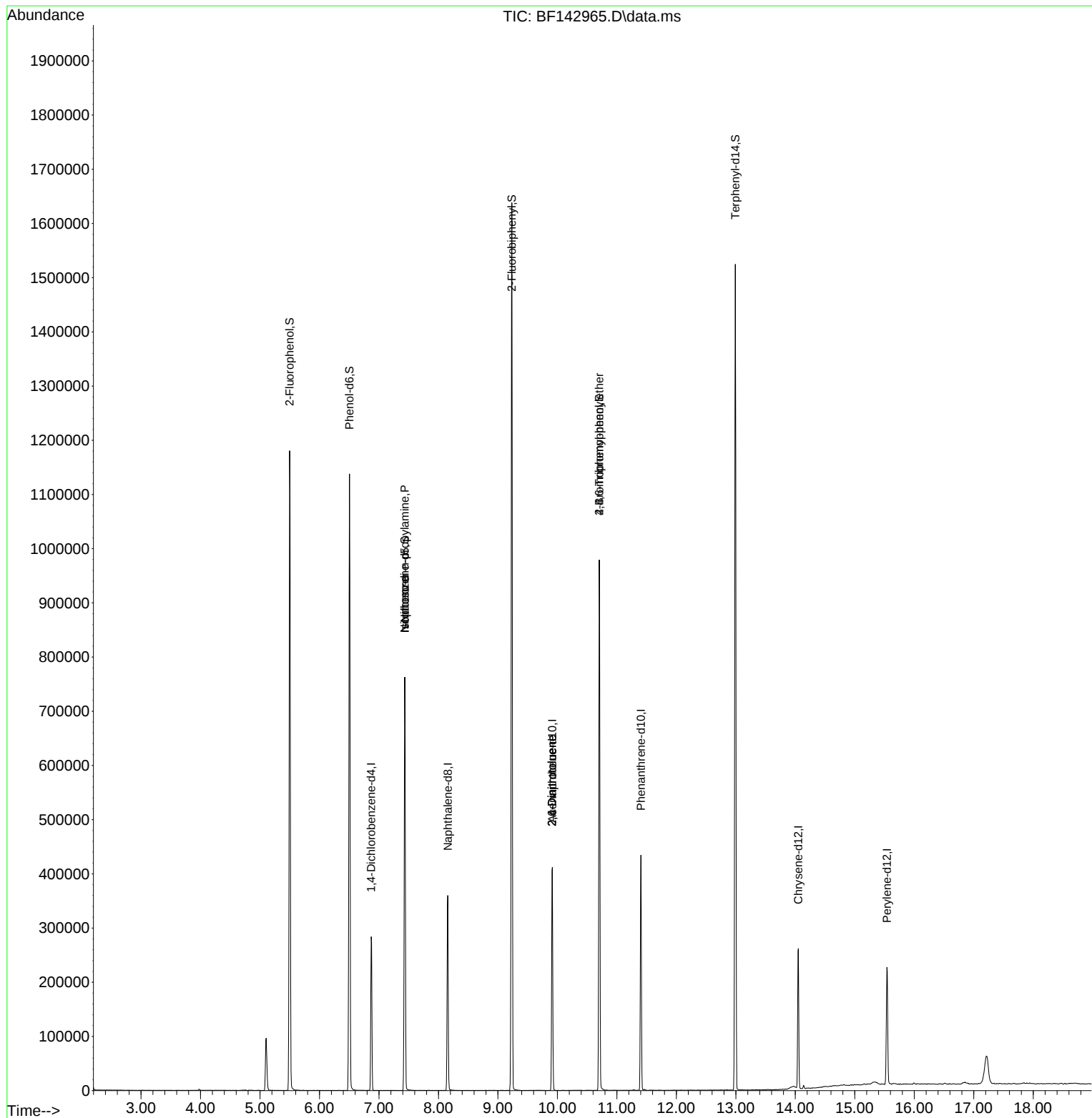
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	63434	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	247498	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	132428	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	228278	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133105	20.000	ng	0.00
86) Perylene-d12	15.539	264	131541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	468129	122.868	ng	0.00
7) Phenol-d6	6.504	99	550691	122.510	ng	0.00
23) Nitrobenzene-d5	7.434	82	345393	76.546	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	170142	124.850	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	770464	76.429	ng	-0.01
79) Terphenyl-d14	12.992	244	751452	78.005	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	46525	17.796	ng	# 75
25) Isophorone	7.434	82	342819	47.362	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	16515	8.773	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	16515	6.605	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	11177	4.302	ng	# 1

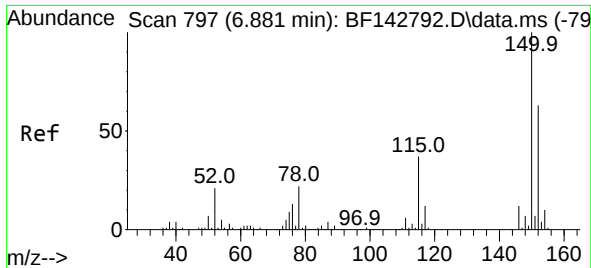
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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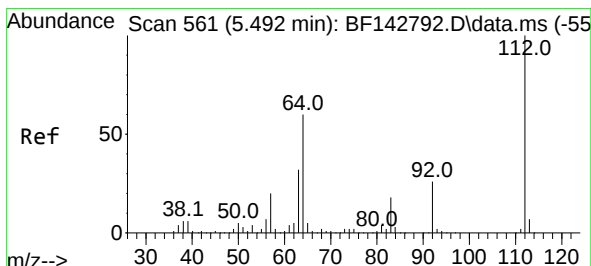
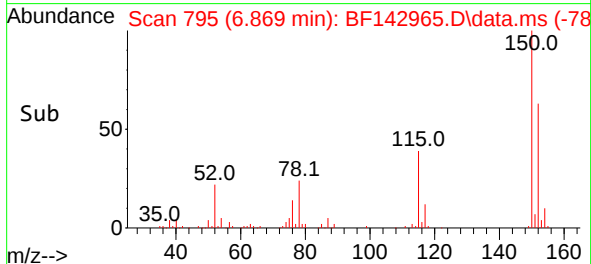
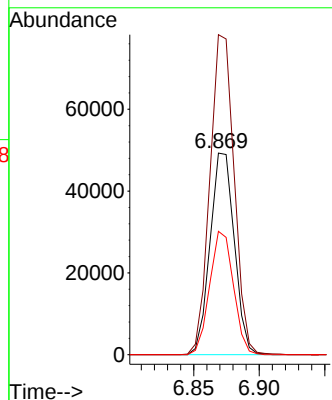
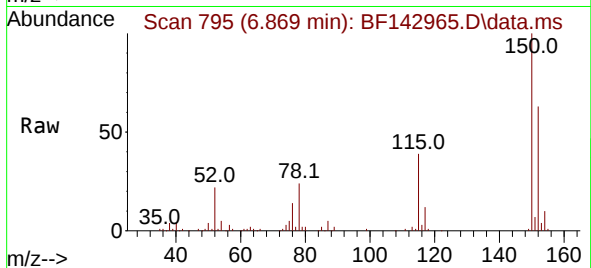




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

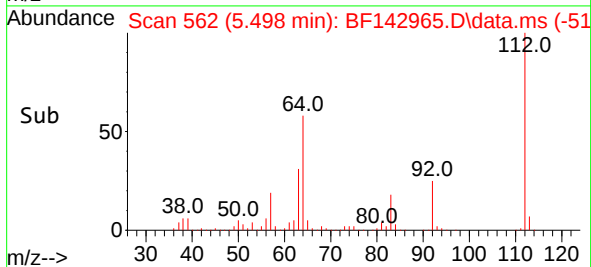
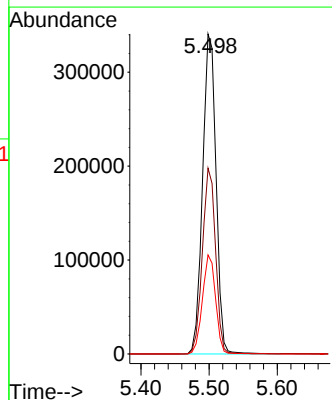
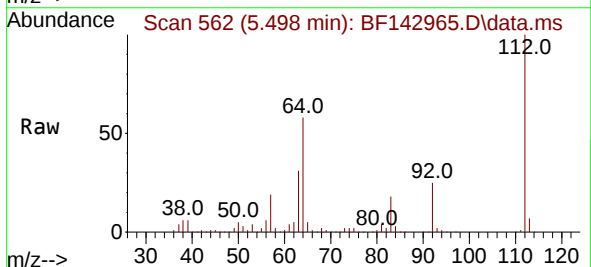
Instrument :
BNA_F
ClientSampleId :
PB168652TB

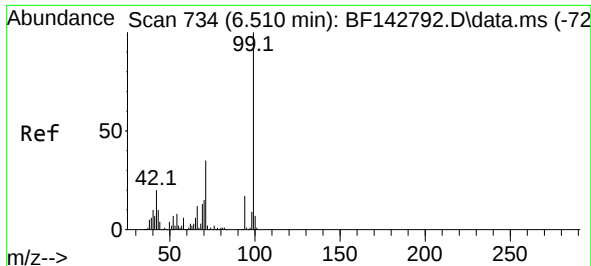
Tgt Ion:152 Resp: 63434
Ion Ratio Lower Upper
152 100
150 158.7 127.2 190.8
115 61.2 46.6 69.8



#5
2-Fluorophenol
Concen: 122.868 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion:112 Resp: 468129
Ion Ratio Lower Upper
112 100
64 58.0 48.2 72.2
63 30.9 25.7 38.5

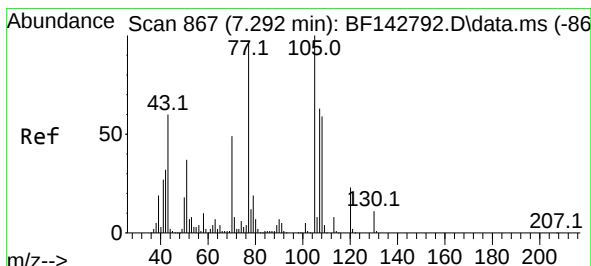
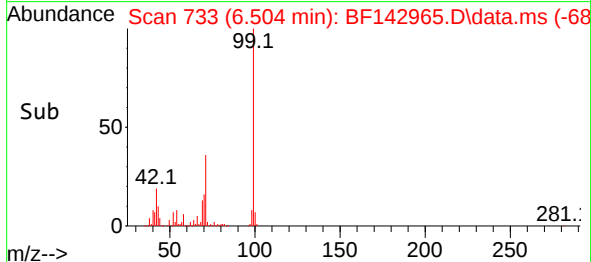
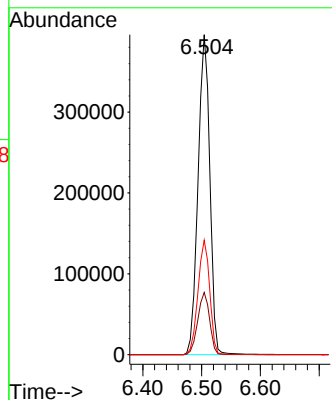
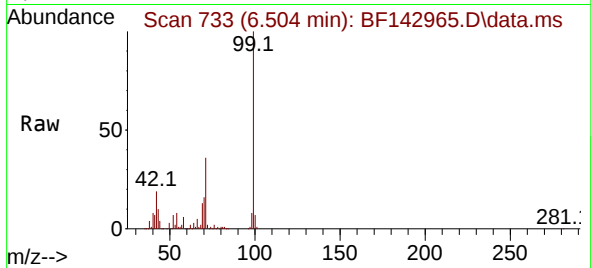




#7
Phenol-d6
Concen: 122.510 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

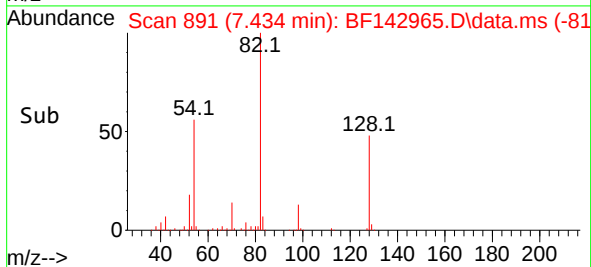
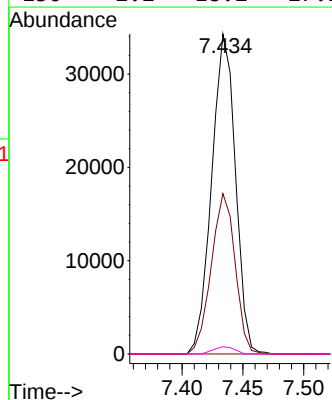
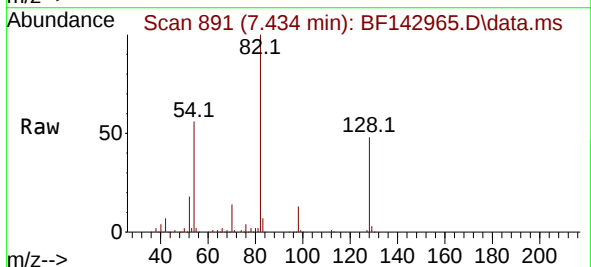
Instrument :
BNA_F
ClientSampleId :
PB168652TB

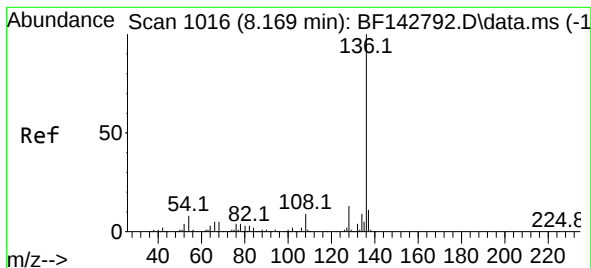
Tgt Ion: 99 Resp: 550691
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.796 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion: 70 Resp: 46525
Ion Ratio Lower Upper
70 100
42 50.1 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: BF142965.D

Acq: 02 Jul 2025 12:11

Instrument :

BNA_F

ClientSampleId :

PB168652TB

Tgt Ion:136 Resp: 247498

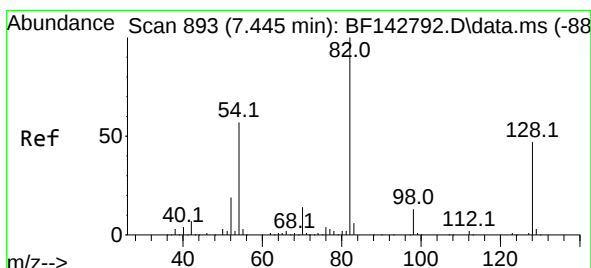
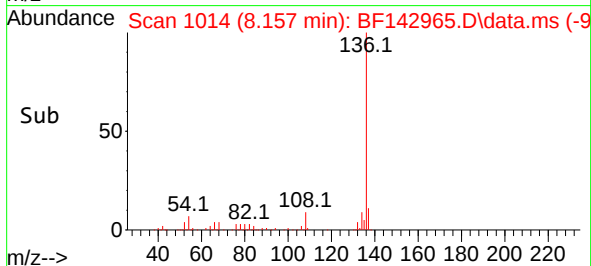
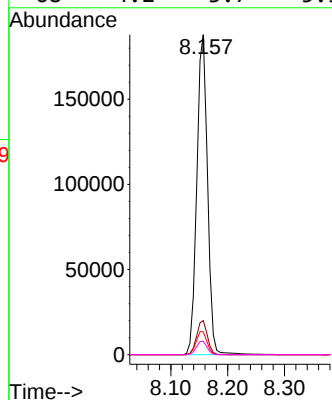
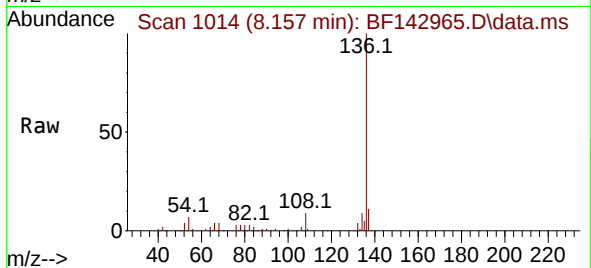
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.2 6.3 9.5

68 4.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 76.546 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142965.D

Acq: 02 Jul 2025 12:11

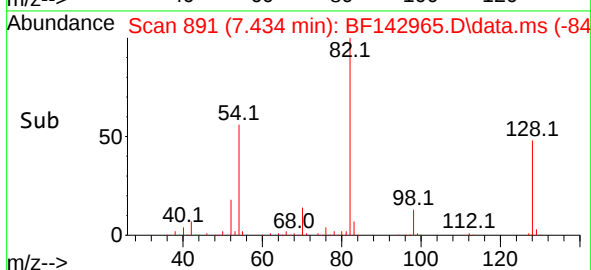
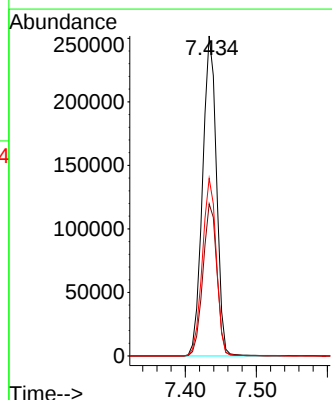
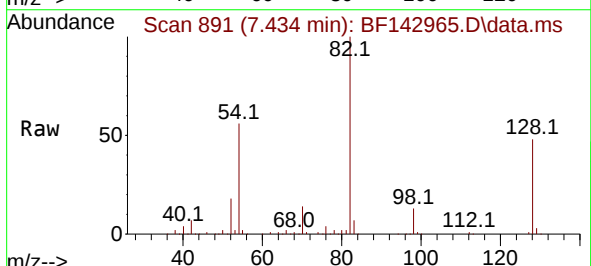
Tgt Ion: 82 Resp: 345393

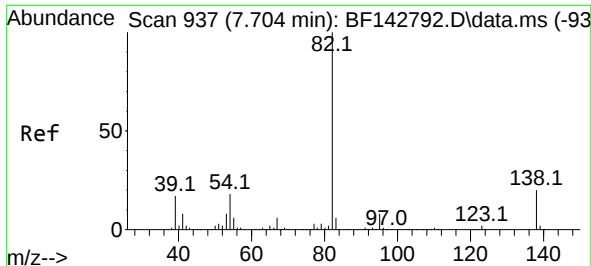
Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

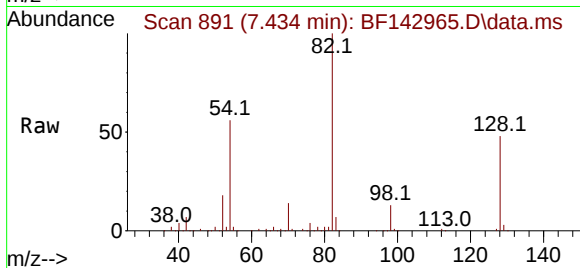
54 55.5 45.7 68.5



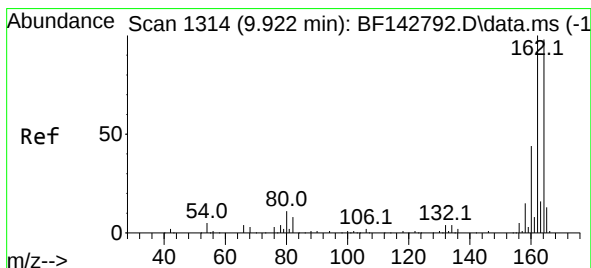
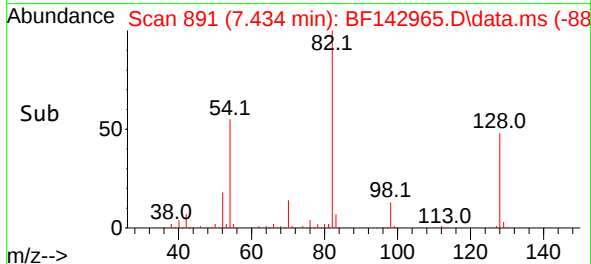
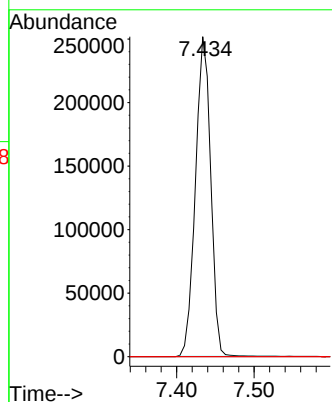


#25
Isophorone
Concen: 47.362 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Instrument :
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ClientSampleId :
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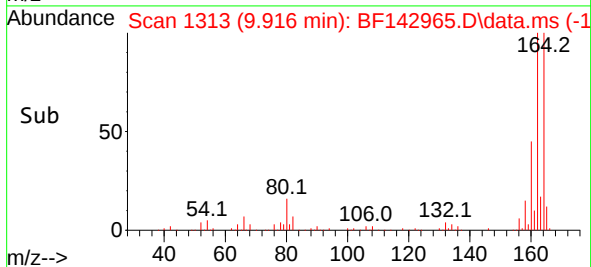
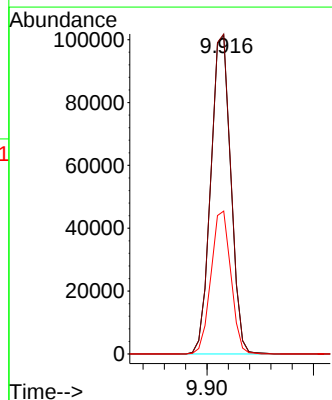
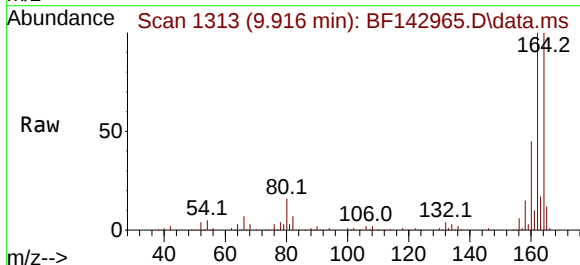


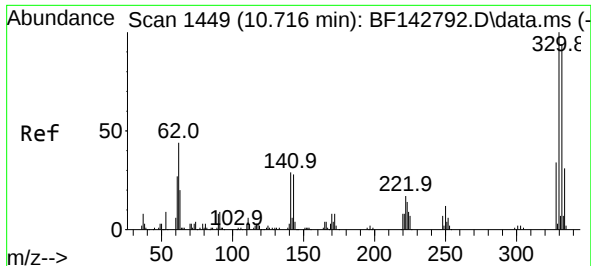
Tgt Ion: 82 Resp: 342819
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion:164 Resp: 132428
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.8
160 44.8 36.0 54.0

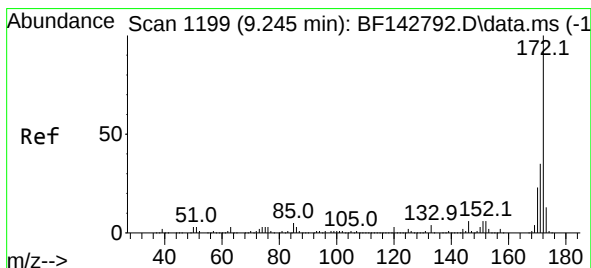
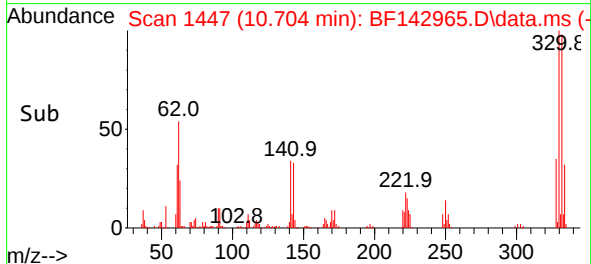
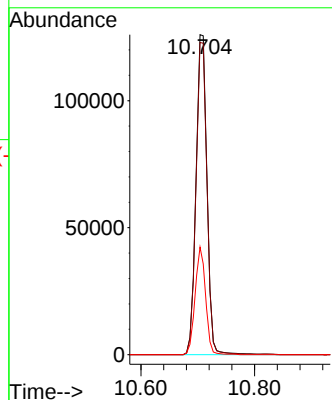
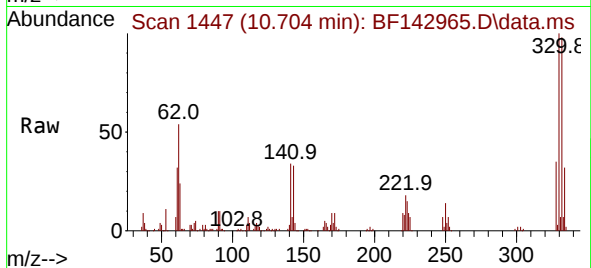




#42
2,4,6-Tribromophenol
Concen: 124.850 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

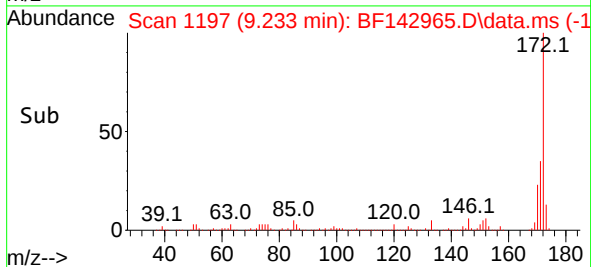
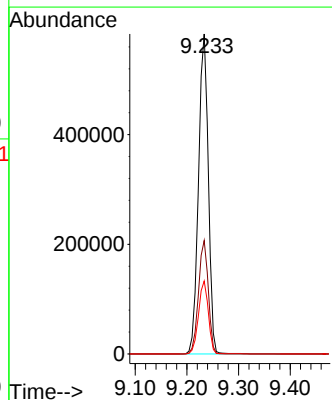
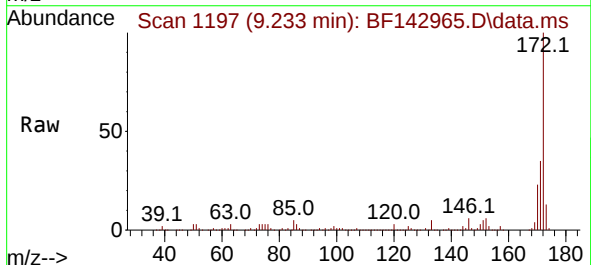
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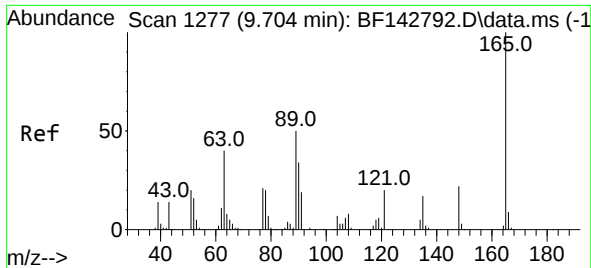
Tgt Ion:330 Resp: 170142
Ion Ratio Lower Upper
330 100
332 97.3 75.0 112.6
141 32.2 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 76.429 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion:172 Resp: 770464
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 22.8 18.5 27.7

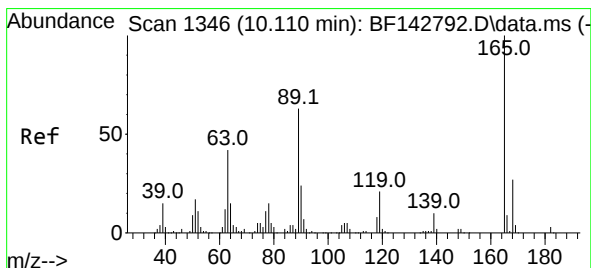
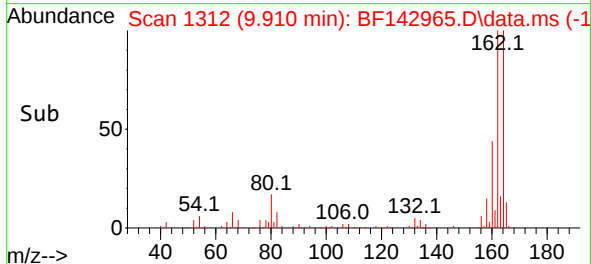
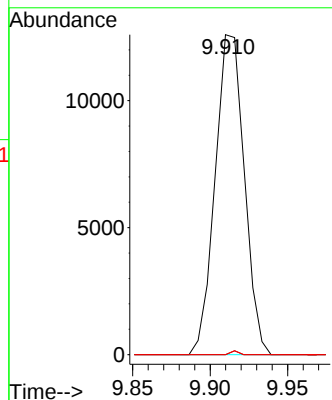
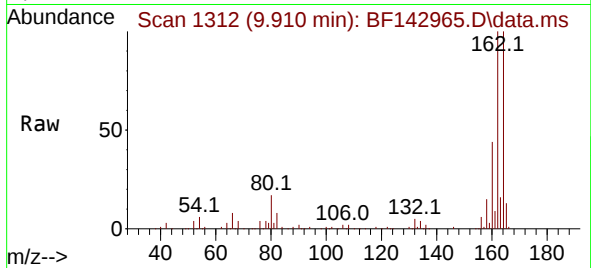




#51
2,6-Dinitrotoluene
Concen: 8.773 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

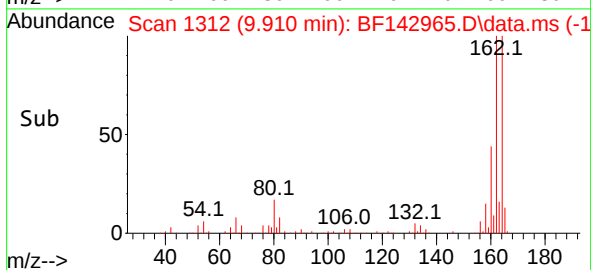
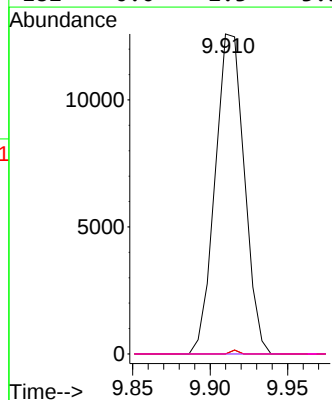
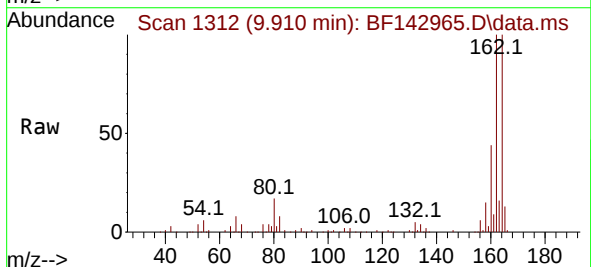
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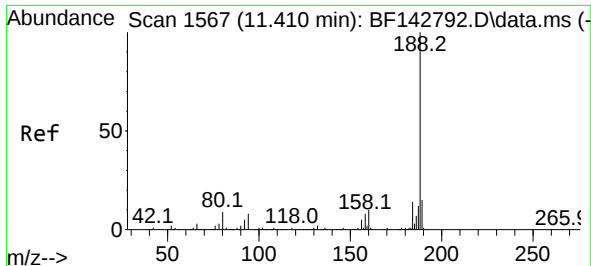
Tgt Ion:165 Resp: 16515
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.605 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion:165 Resp: 16515
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#

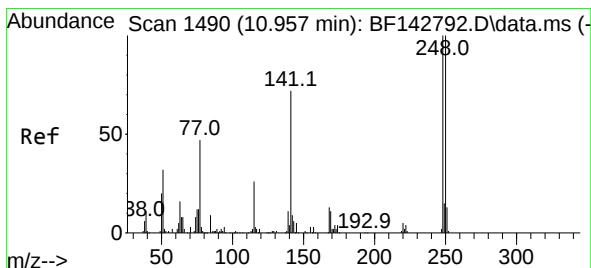
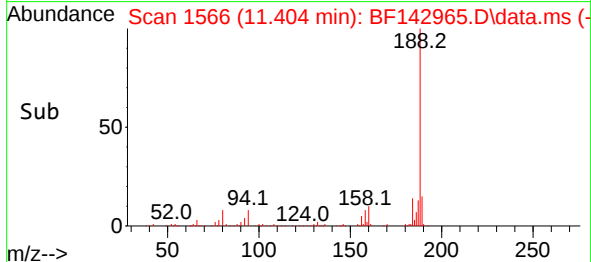
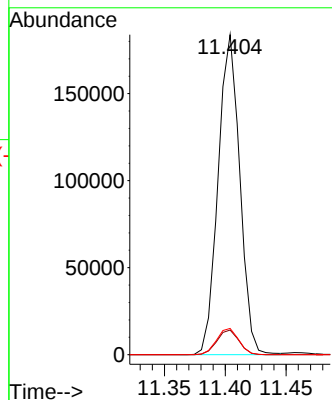
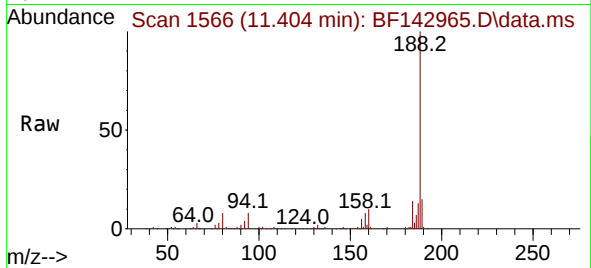




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

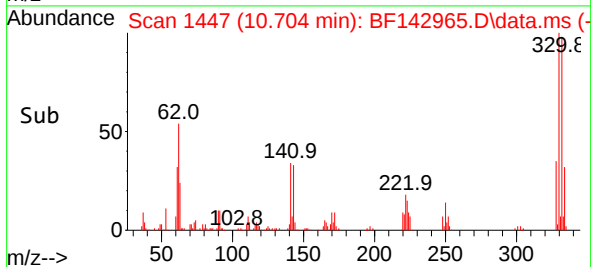
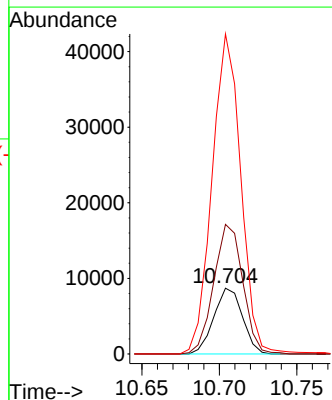
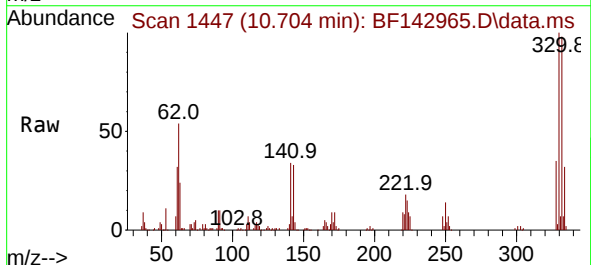
Instrument :
BNA_F
ClientSampleId :
PB168652TB

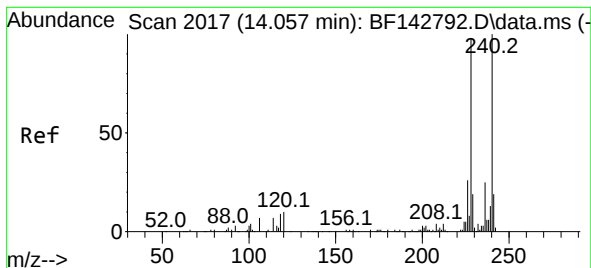
Tgt Ion:188 Resp: 228278
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.2 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.302 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142965.D
Acq: 02 Jul 2025 12:11

Tgt Ion:248 Resp: 11177
Ion Ratio Lower Upper
248 100
250 196.9 79.8 119.8#
141 486.1 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142965.D

Acq: 02 Jul 2025 12:11

Instrument :

BNA_F

ClientSampleId :

PB168652TB

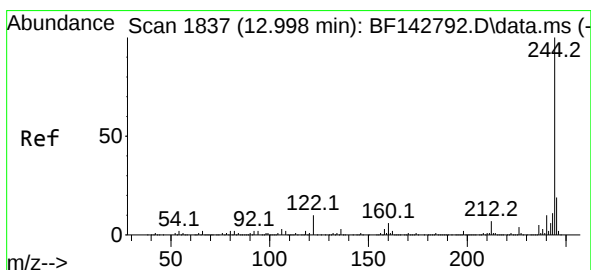
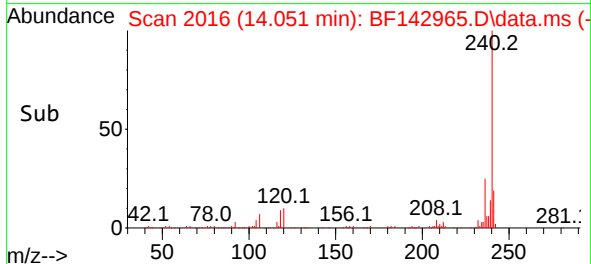
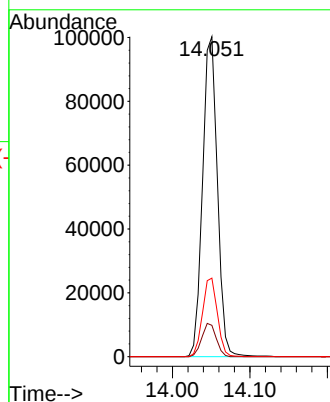
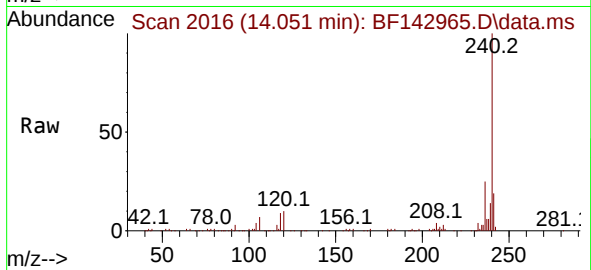
Tgt Ion:240 Resp: 133105

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 24.6 19.8 29.8



#79

Terphenyl-d14

Concen: 78.005 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142965.D

Acq: 02 Jul 2025 12:11

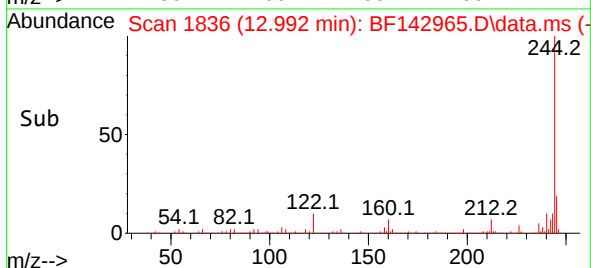
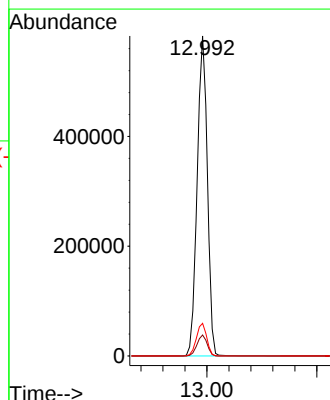
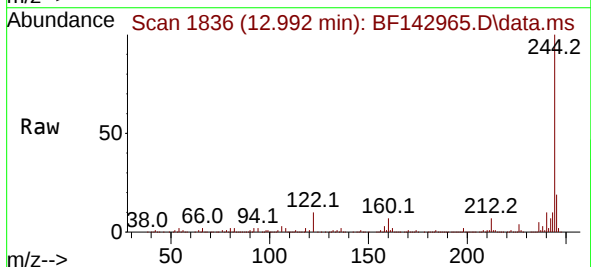
Tgt Ion:244 Resp: 751452

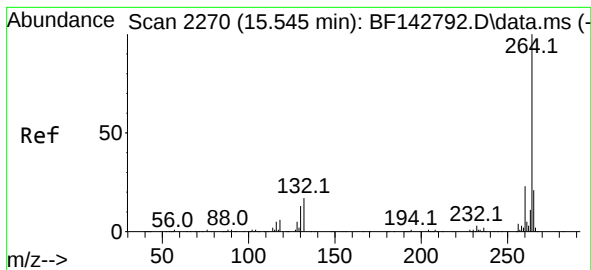
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

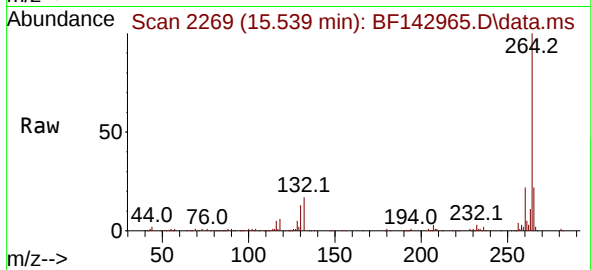
122 10.2 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142965.D
 Acq: 02 Jul 2025 12:11

Instrument :
 BNA_F
 ClientSampleId :
 PB168652TB



Tgt Ion:264 Resp: 131541
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.1 27.1
 265 21.6 16.6 25.0

