

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142973.D
 Acq On : 02 Jul 2025 16:18
 Operator : RC/JU
 Sample : Q2459-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 02 16:40:03 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)

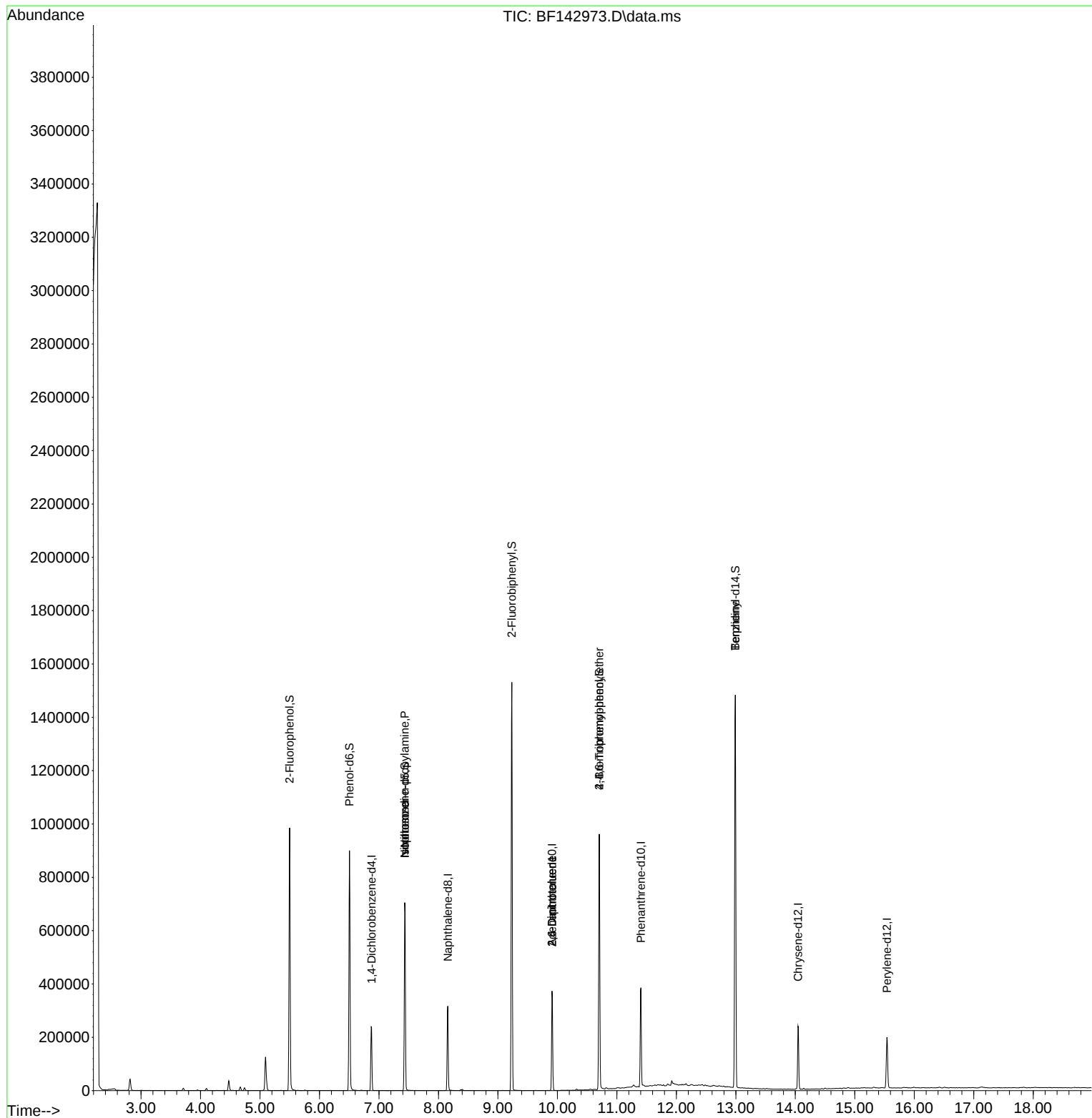
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55180	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	209571	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	113097	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	199585	20.000	ng	0.00
76) Chrysene-d12	14.045	240	122293	20.000	ng	-0.01
86) Perylene-d12	15.539	264	116002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	385185	116.220	ng	0.00
7) Phenol-d6	6.504	99	418026	106.907	ng	0.00
23) Nitrobenzene-d5	7.434	82	305765	80.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	167218	143.677	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	686759	79.770	ng	-0.01
79) Terphenyl-d14	12.992	244	730270	82.508	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	41530	18.262	ng	# 75
25) Isophorone	7.434	82	304346	49.656	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14608	9.086	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	14608	6.840	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10536	4.638	ng	# 1
77) Benzidine	12.992	184	9549	2.078	ng	# 90

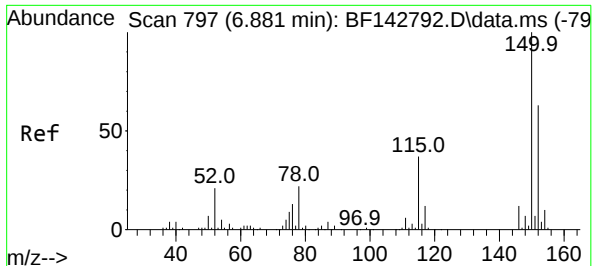
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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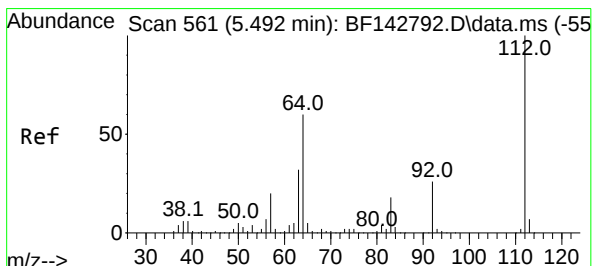
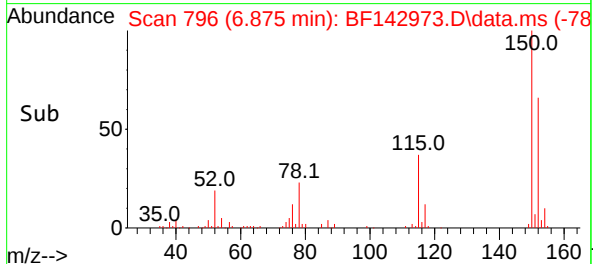
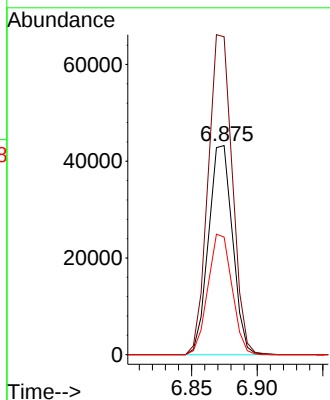
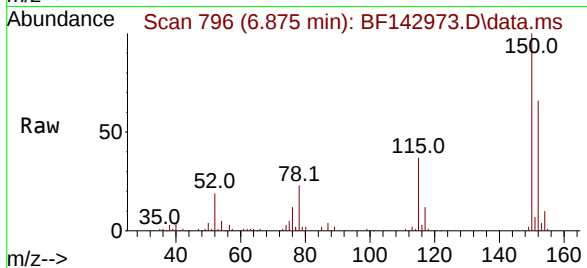




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

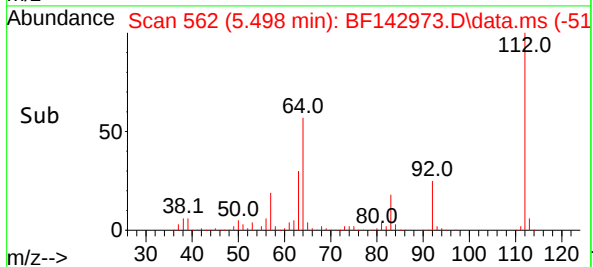
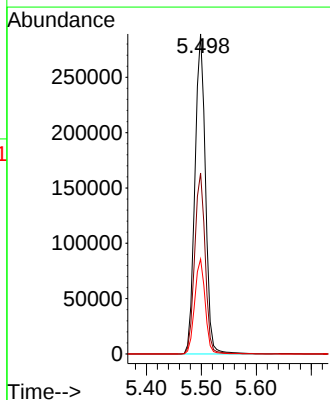
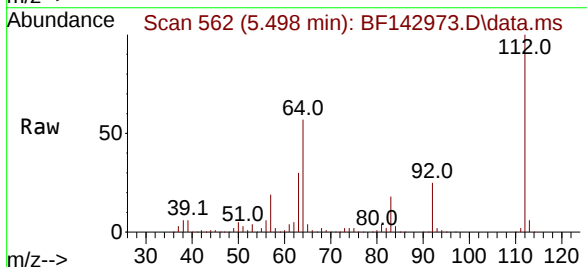
Instrument :
BNA_F
ClientSampleId :
TP-1

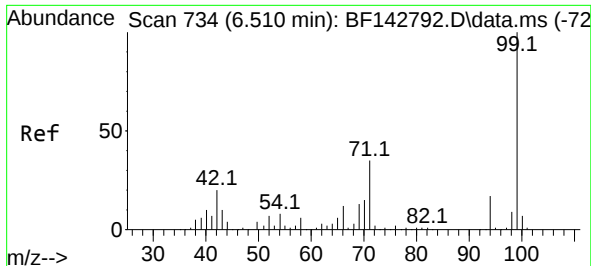
Tgt Ion:152 Resp: 55180
Ion Ratio Lower Upper
152 100
150 152.0 127.2 190.8
115 56.2 46.6 69.8



#5
2-Fluorophenol
Concen: 116.220 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:112 Resp: 385185
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 29.6 25.7 38.5

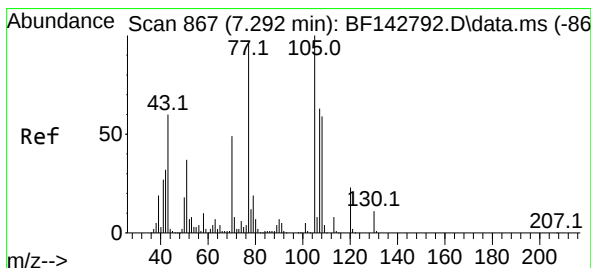
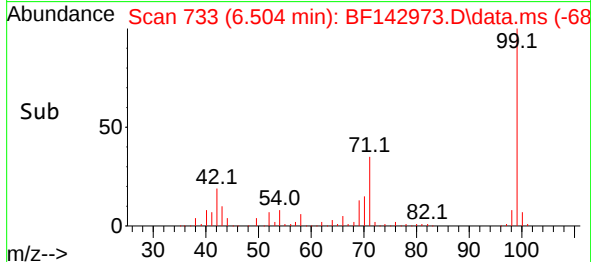
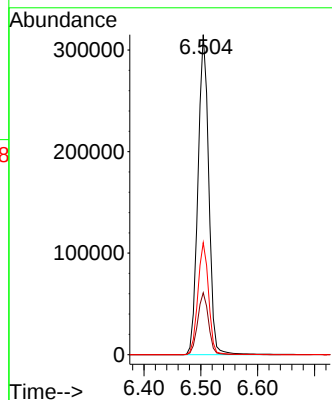
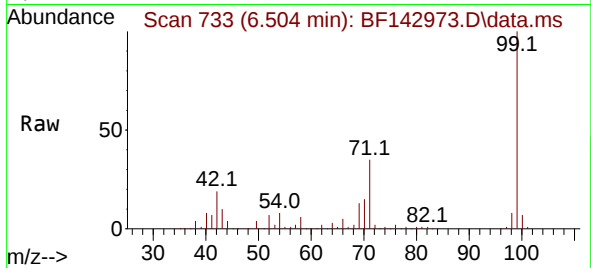




#7
Phenol-d6
Concen: 106.907 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

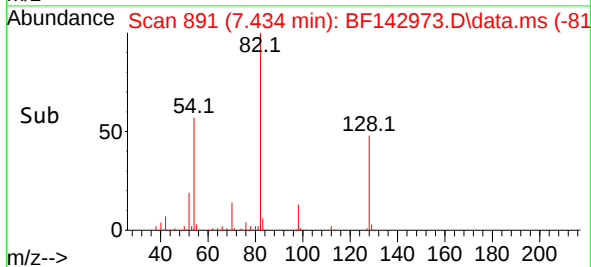
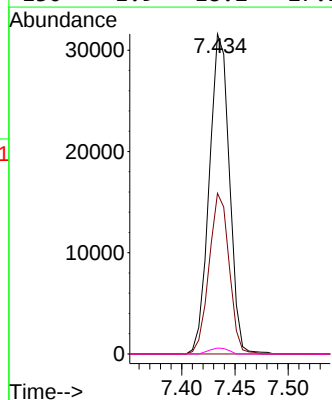
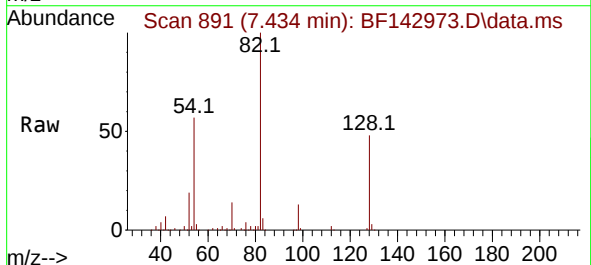
Instrument :
BNA_F
ClientSampleId :
TP-1

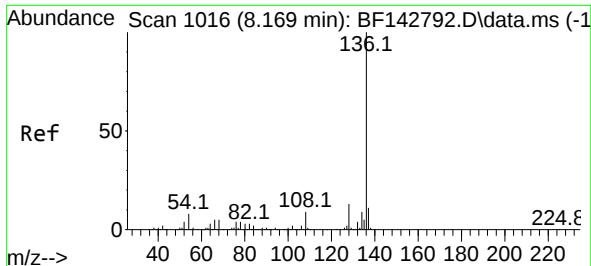
Tgt Ion: 99 Resp: 418026
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.262 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion: 70 Resp: 41530
Ion Ratio Lower Upper
70 100
42 50.2 52.1 78.1#
101 0.0 8.2 12.2#
130 1.9 18.2 27.2#



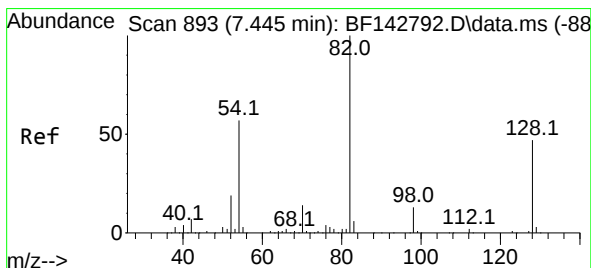
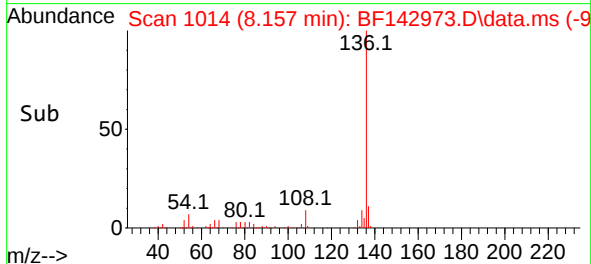
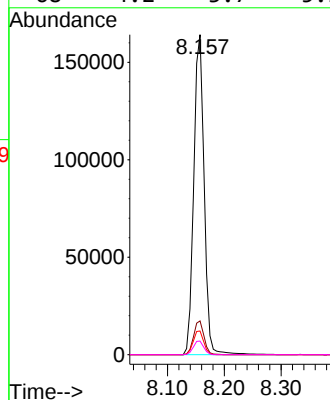
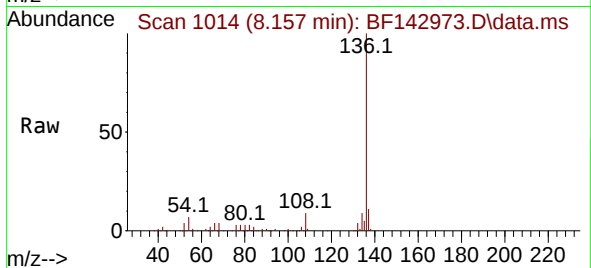


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 209571

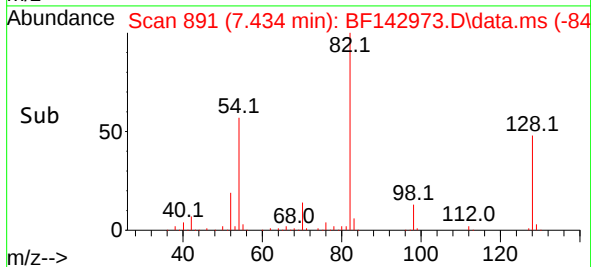
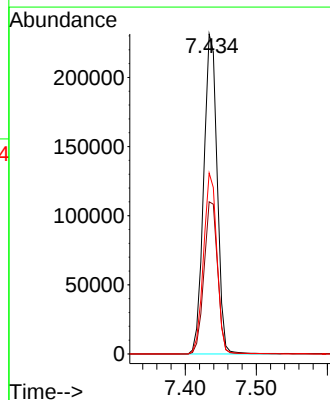
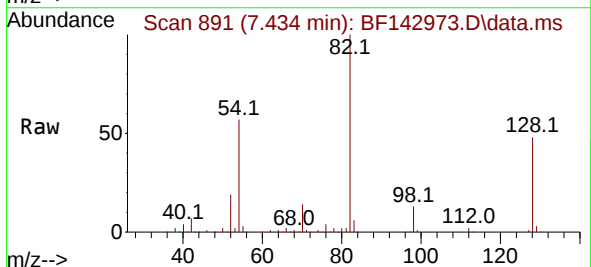
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.4	6.3	9.5
68	4.2	3.7	5.5

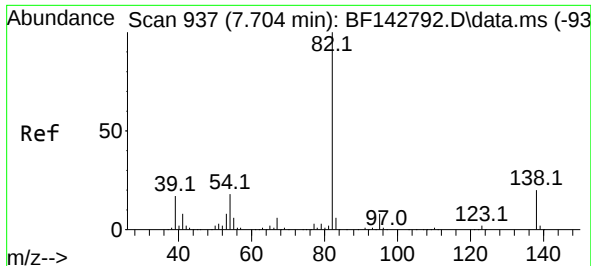


#23
Nitrobenzene-d5
Concen: 80.028 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion: 82 Resp: 305765

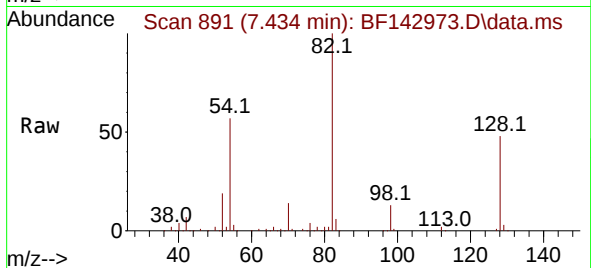
Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	56.5	45.7	68.5



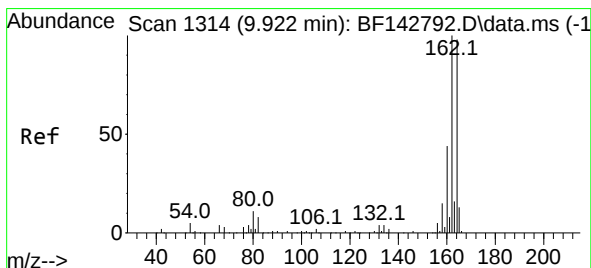
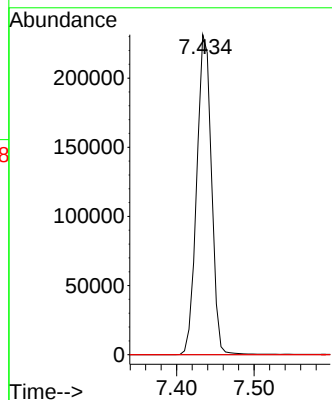
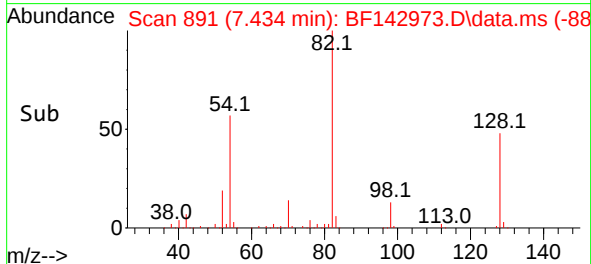


#25
Isophorone
Concen: 49.656 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Instrument :
BNA_F
ClientSampleId :
TP-1

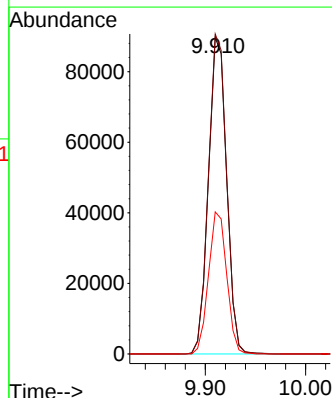
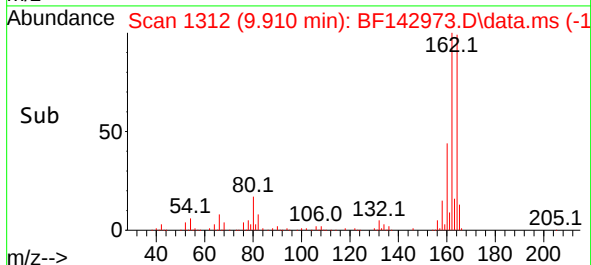
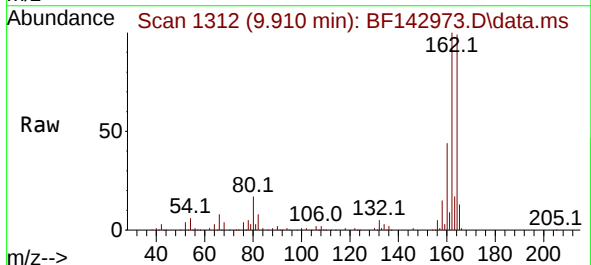


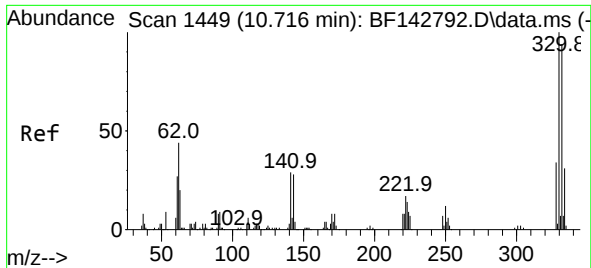
Tgt Ion: 82 Resp: 304346
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:164 Resp: 113097
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 44.9 36.0 54.0

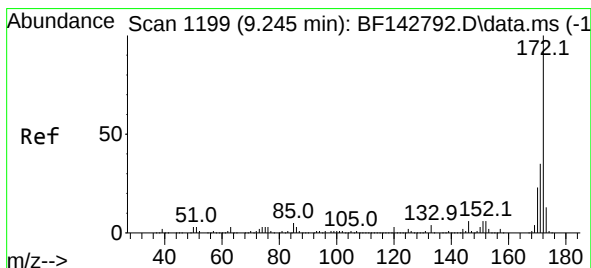
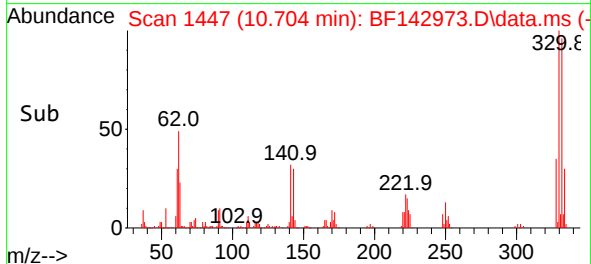
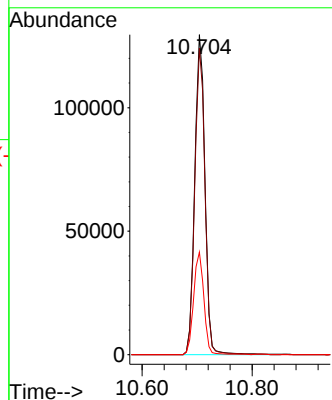
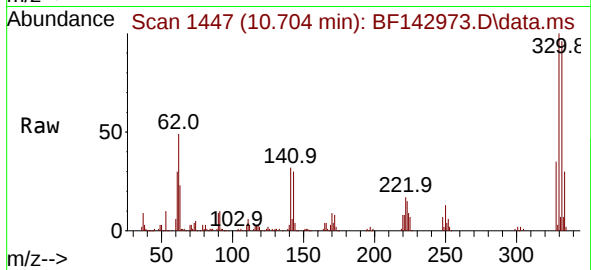




#42
 2,4,6-Tribromophenol
 Concen: 143.677 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF142973.D
 Acq: 02 Jul 2025 16:18

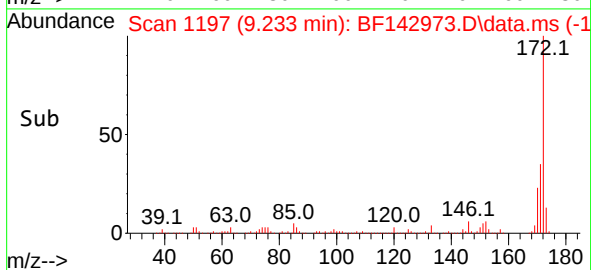
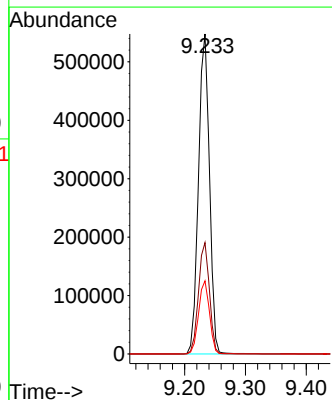
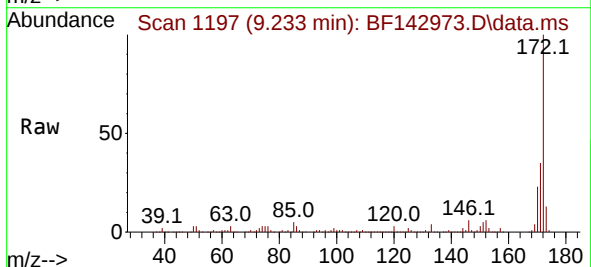
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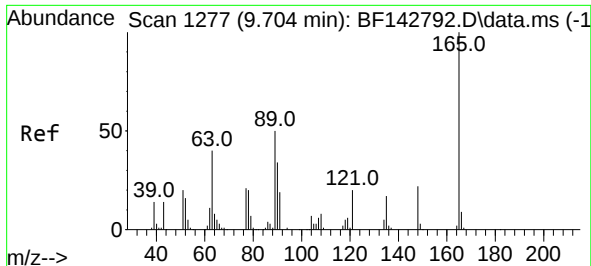
Tgt Ion:330 Resp: 167218
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.0 112.6
 141 32.1 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 79.770 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF142973.D
 Acq: 02 Jul 2025 16:18

Tgt Ion:172 Resp: 686759
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.4
 170 22.8 18.5 27.7

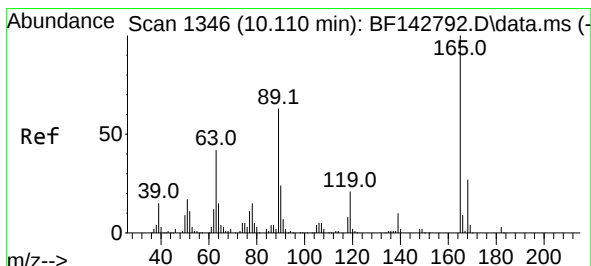
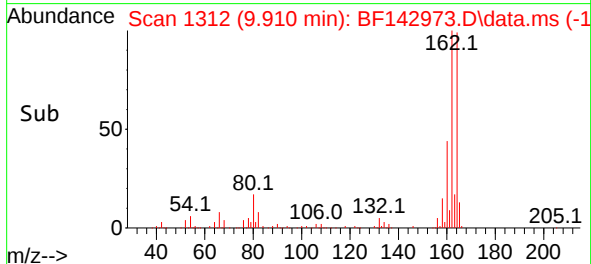
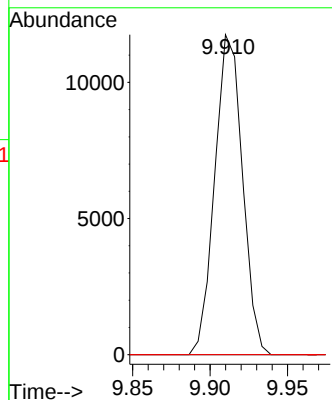
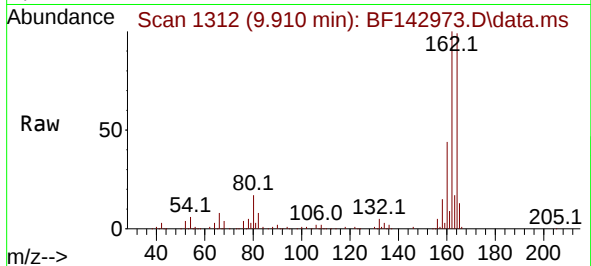




#51
2,6-Dinitrotoluene
Concen: 9.086 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.206 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

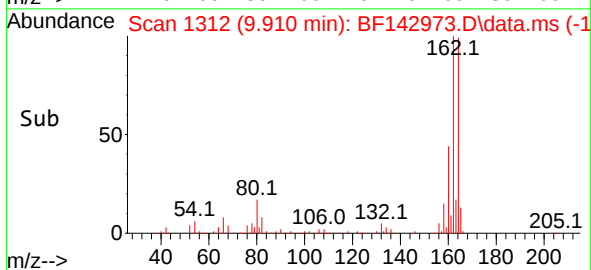
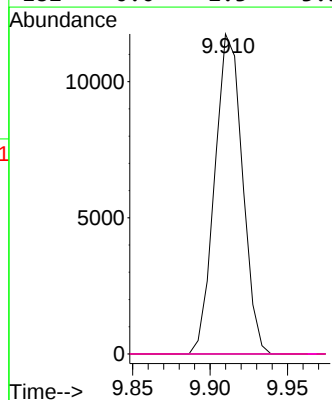
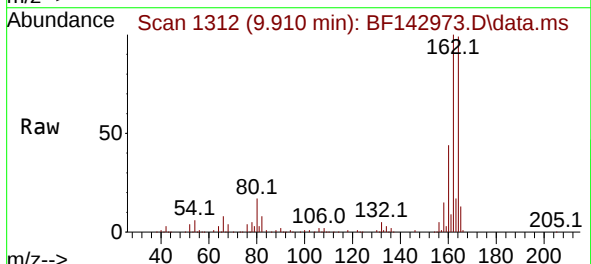
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ClientSampleId :
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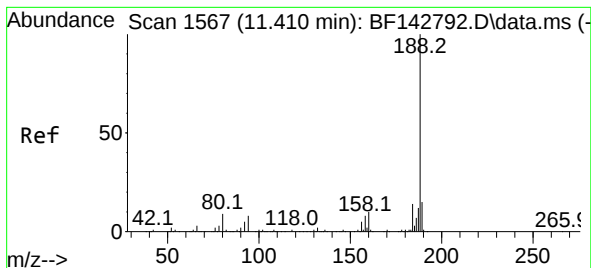
Tgt Ion:165 Resp: 14608
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.840 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:165 Resp: 14608
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: BF142973.D

Acq: 02 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

TP-1

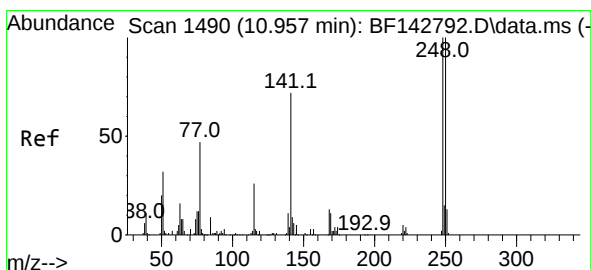
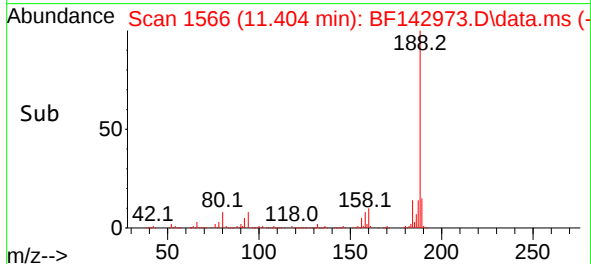
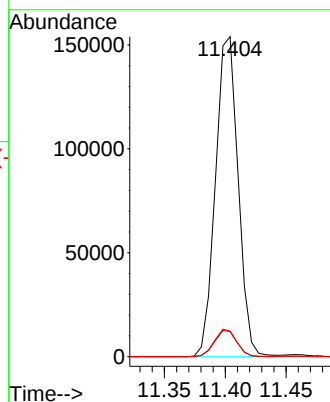
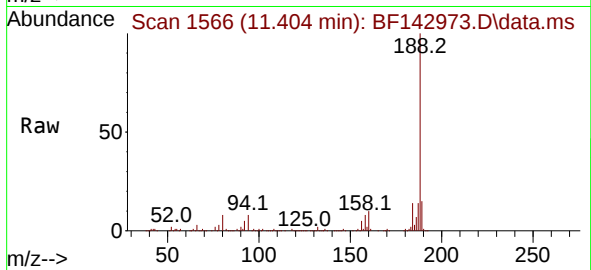
Tgt Ion:188 Resp: 199585

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.0 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.638 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142973.D

Acq: 02 Jul 2025 16:18

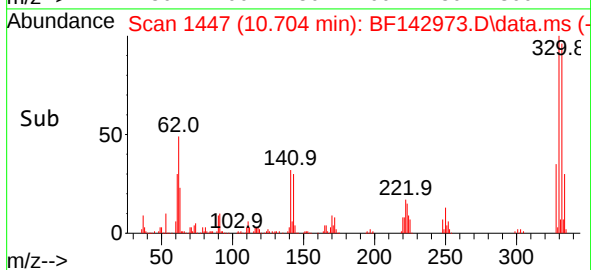
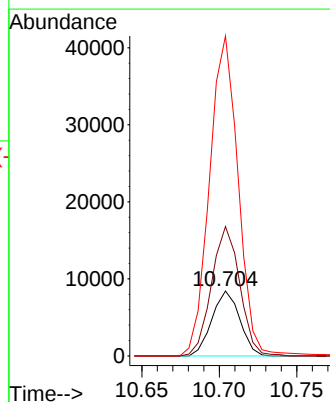
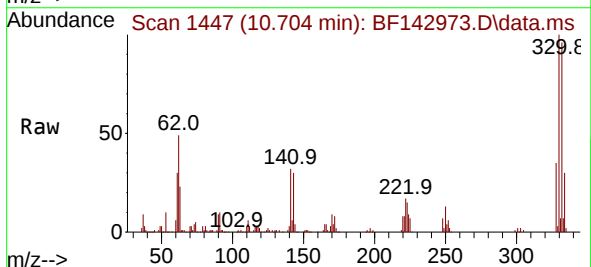
Tgt Ion:248 Resp: 10536

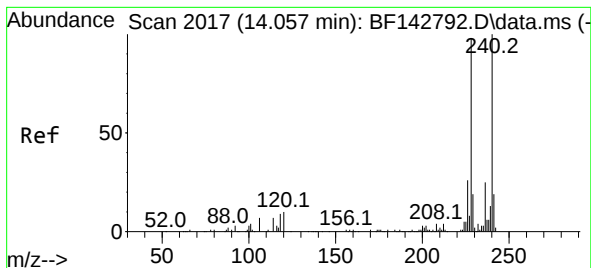
Ion Ratio Lower Upper

248 100

250 199.2 79.8 119.8#

141 492.6 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142973.D

Acq: 02 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

TP-1

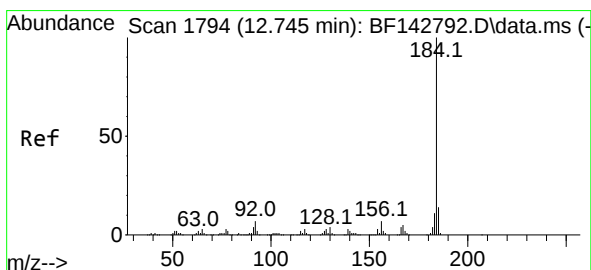
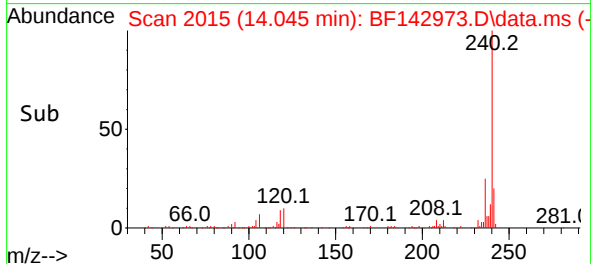
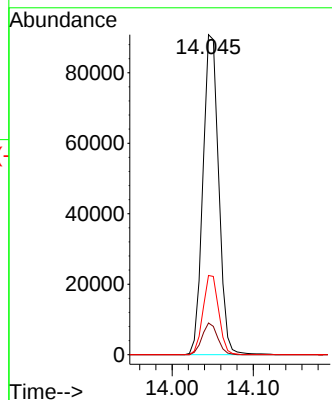
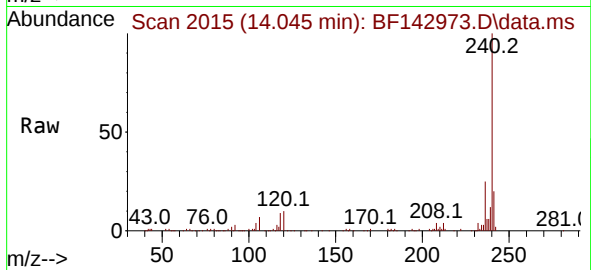
Tgt Ion:240 Resp: 122293

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 24.7 19.8 29.8



#77

Benzidine

Concen: 2.078 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142973.D

Acq: 02 Jul 2025 16:18

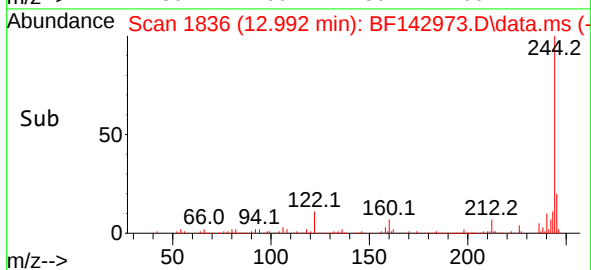
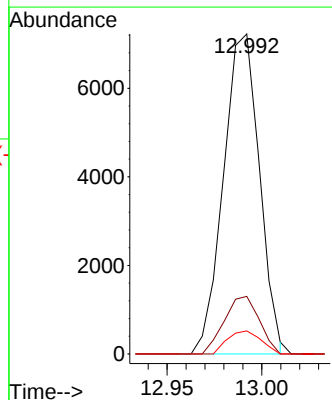
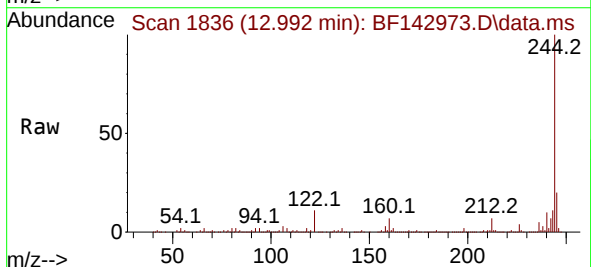
Tgt Ion:184 Resp: 9549

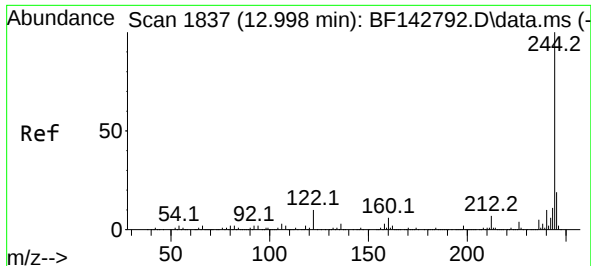
Ion Ratio Lower Upper

184 100

185 18.0 11.5 17.3#

183 7.2 9.0 13.4#

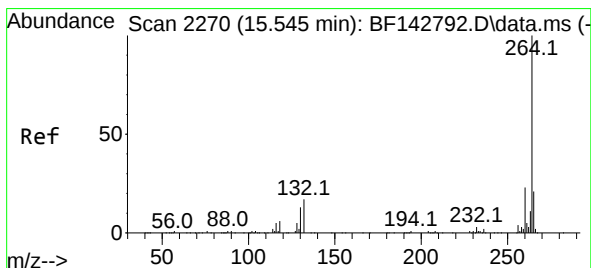
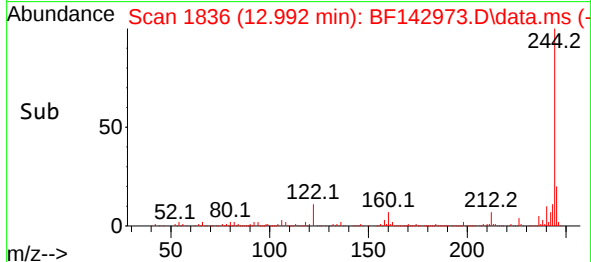
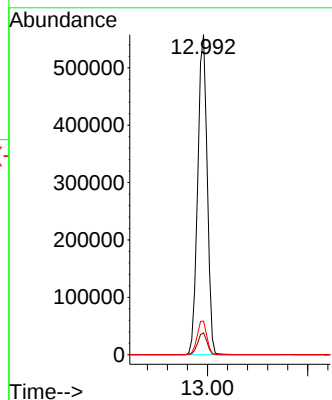
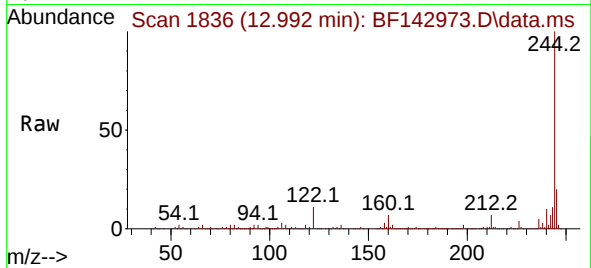




#79
Terphenyl-d14
Concen: 82.508 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:244 Resp: 730270
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.5 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:264 Resp: 116002
Ion Ratio Lower Upper
264 100
260 23.1 18.1 27.1
265 21.3 16.6 25.0

