

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142969.D
 Acq On : 02 Jul 2025 14:17
 Operator : RC/JU
 Sample : Q2458-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-67

Quant Time: Jul 02 14:43:33 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)

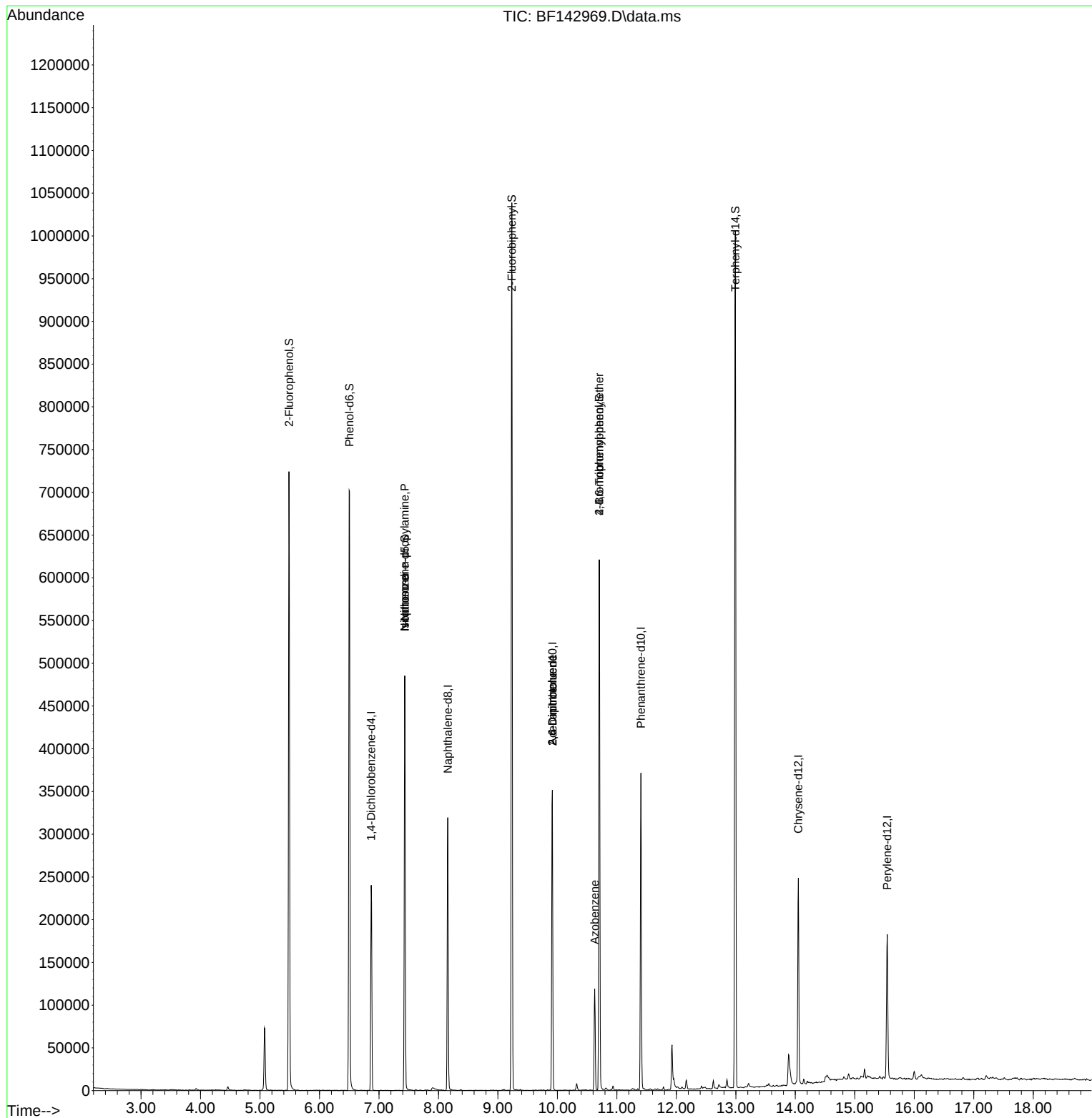
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53005	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	205773	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	107799	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	193599	20.000	ng	0.00
76) Chrysene-d12	14.051	240	117849	20.000	ng	0.00
86) Perylene-d12	15.545	264	100982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	278234	87.395	ng	0.00
7) Phenol-d6	6.504	99	332882	88.625	ng	0.00
23) Nitrobenzene-d5	7.434	82	201582	53.734	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	104384	94.097	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	458591	55.885	ng	-0.01
79) Terphenyl-d14	12.992	244	486496	57.038	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26816	12.275	ng	# 76
25) Isophorone	7.434	82	201580	33.496	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14378	9.383	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14378	7.064	ng	# 26
63) Azobenzene	10.628	77	27520	4.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6995	3.175	ng	# 1

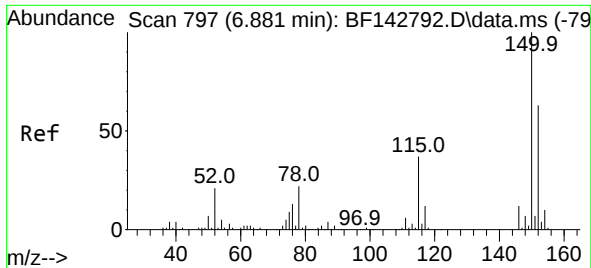
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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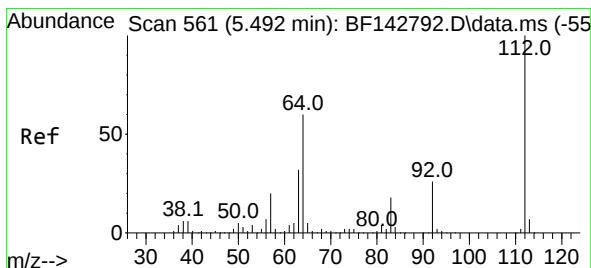
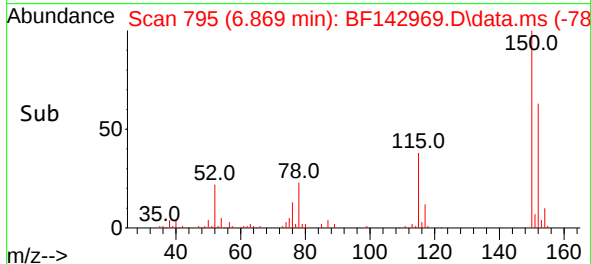
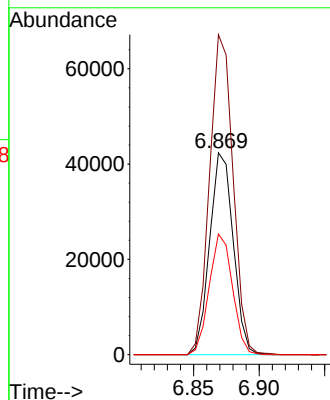
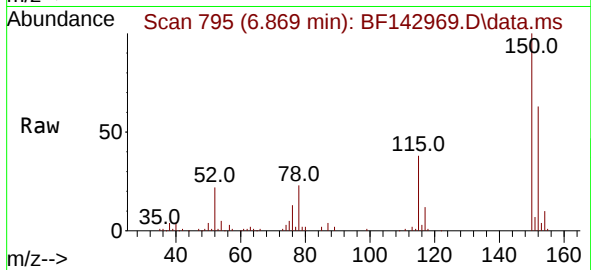




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142969.D
 Acq: 02 Jul 2025 14:17

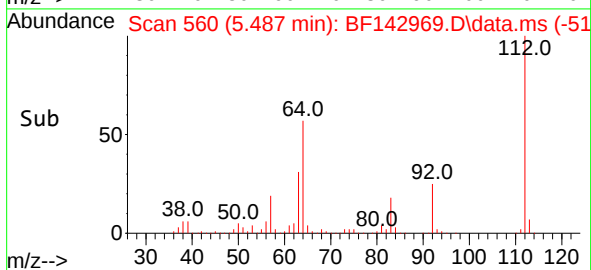
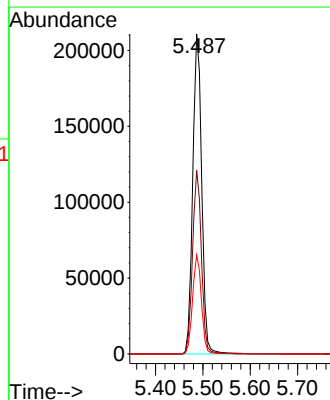
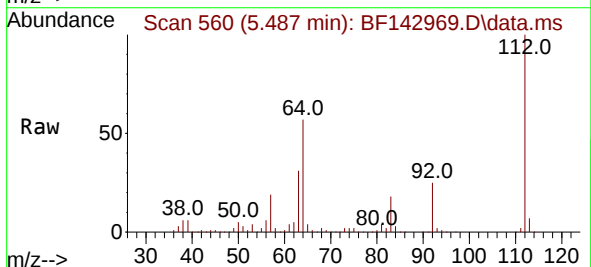
Instrument :
 BNA_F
 ClientSampleId :
 TP-67

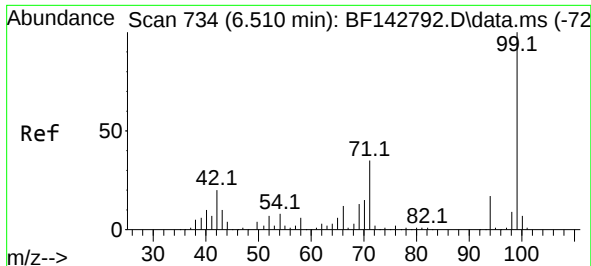
Tgt Ion:152 Resp: 53005
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.2 190.8
 115 59.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 87.395 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142969.D
 Acq: 02 Jul 2025 14:17

Tgt Ion:112 Resp: 278234
 Ion Ratio Lower Upper
 112 100
 64 57.4 48.2 72.2
 63 30.9 25.7 38.5

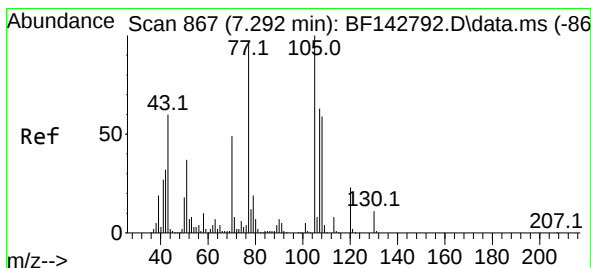
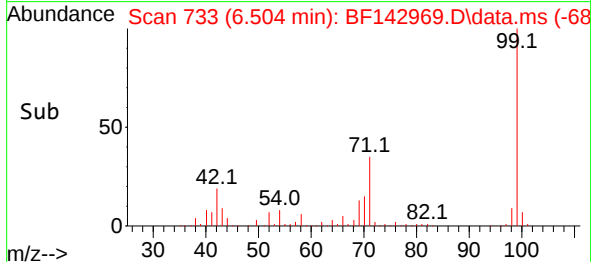
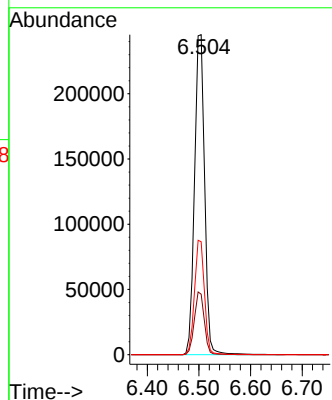
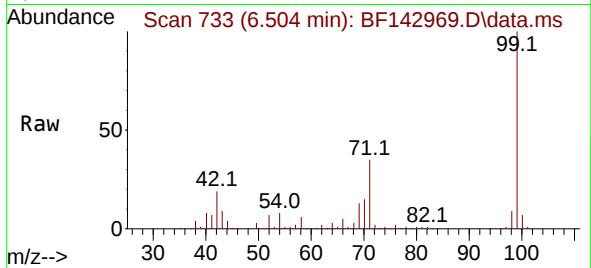




#7
Phenol-d6
Concen: 88.625 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

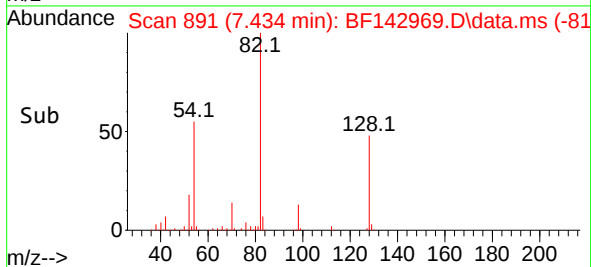
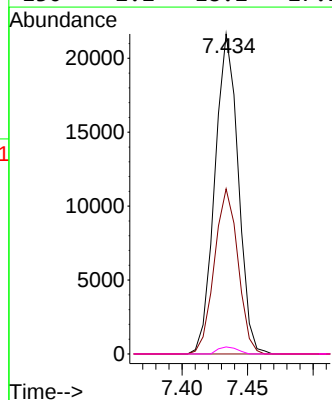
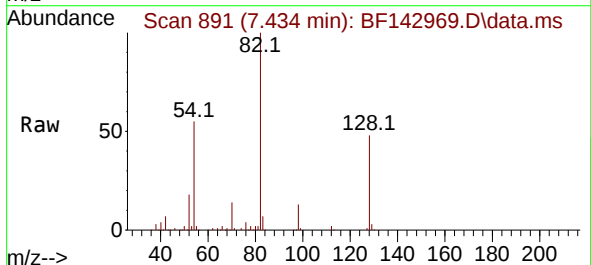
Instrument :
BNA_F
ClientSampleId :
TP-67

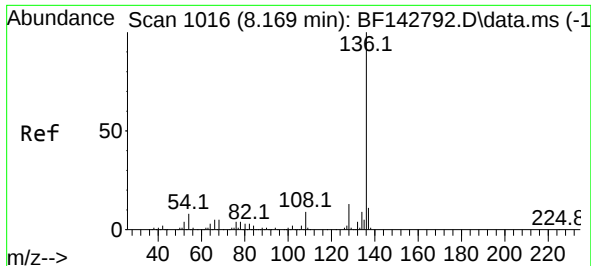
Tgt Ion: 99 Resp: 332882
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.275 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion: 70 Resp: 26816
Ion Ratio Lower Upper
70 100
42 51.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#



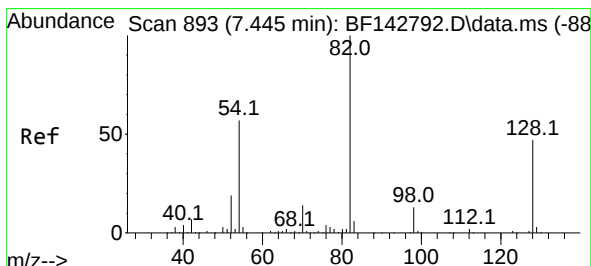
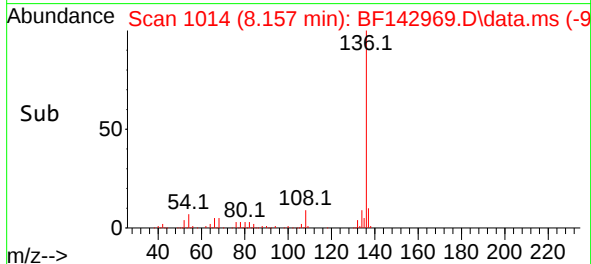
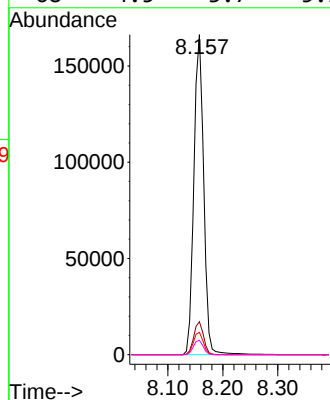
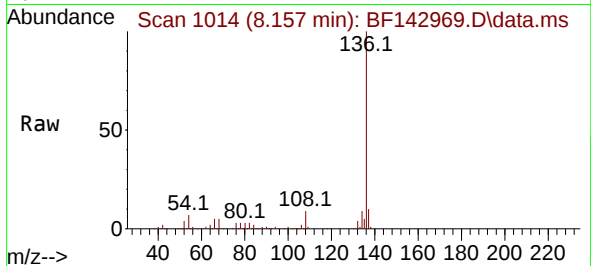


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion:136 Resp: 205773

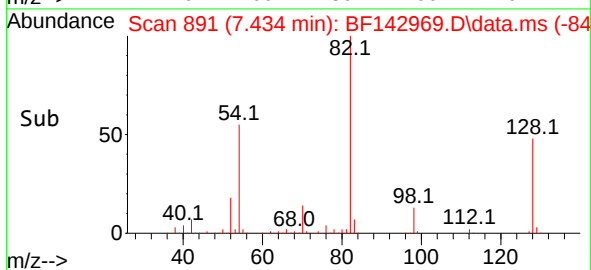
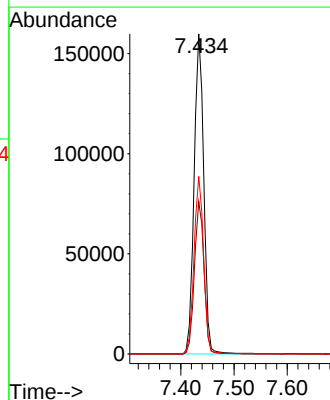
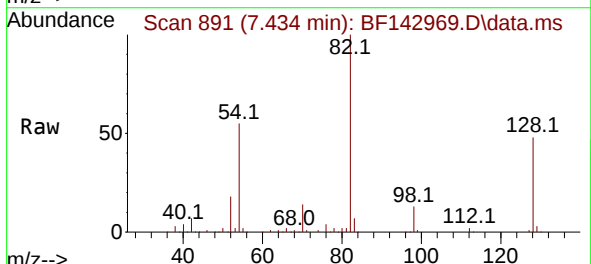
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	7.0	6.3	9.5
68	4.5	3.7	5.5

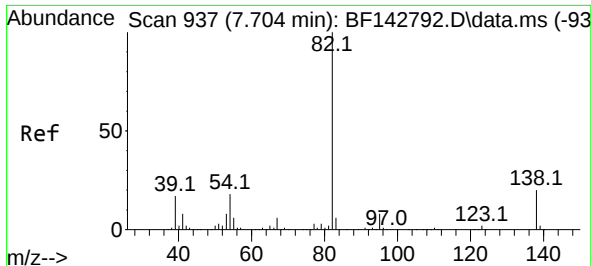


#23
Nitrobenzene-d5
Concen: 53.734 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion: 82 Resp: 201582

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.4	45.7	68.5

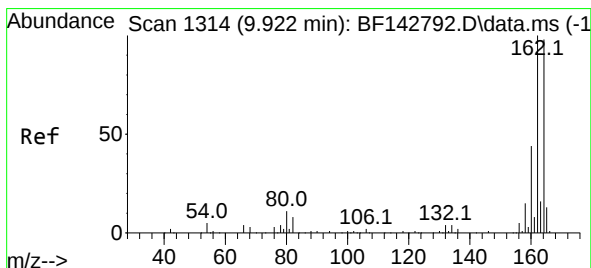
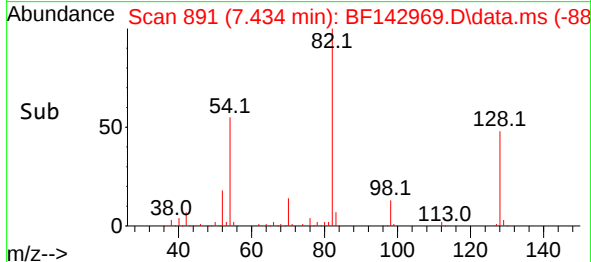
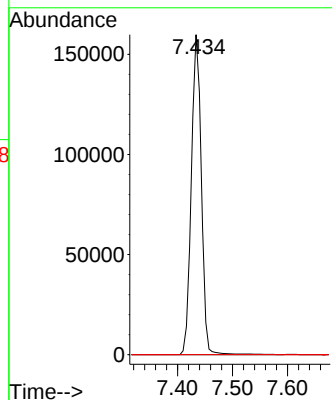
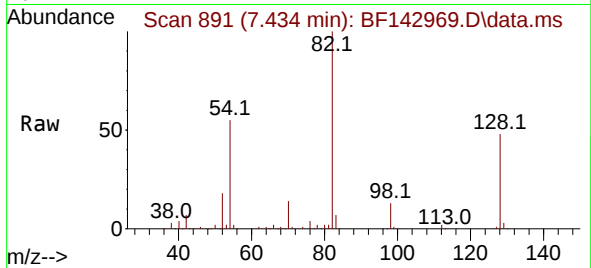




#25
Isophorone
Concen: 33.496 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

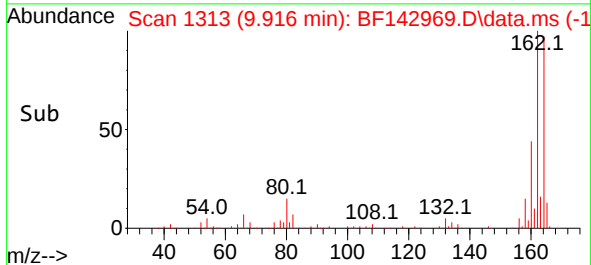
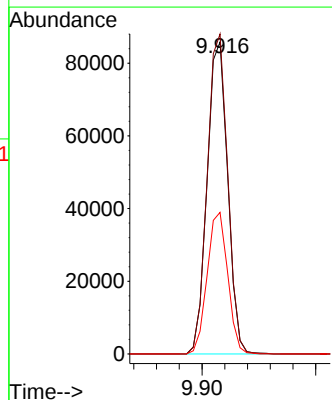
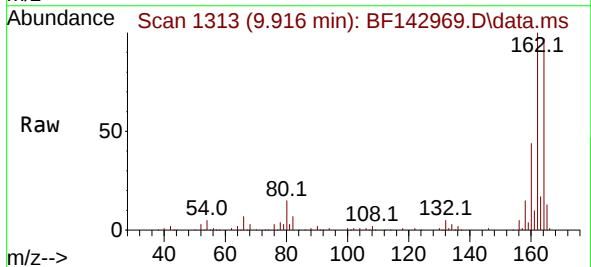
Instrument :
BNA_F
ClientSampleId :
TP-67

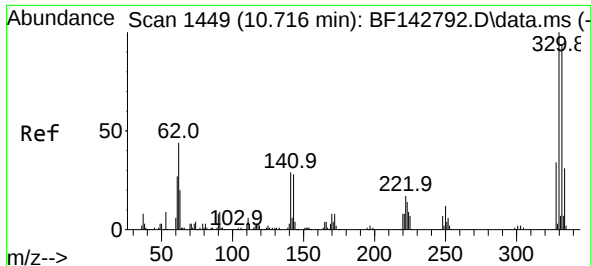
Tgt Ion: 82 Resp: 201580
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:164 Resp: 107799
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.8
160 45.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 94.097 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142969.D

Acq: 02 Jul 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-67

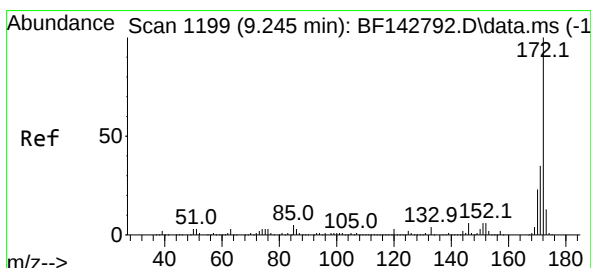
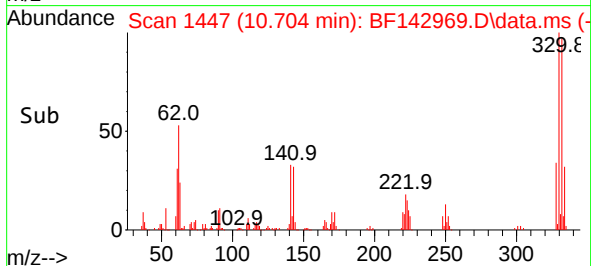
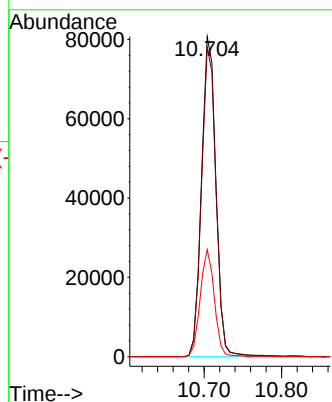
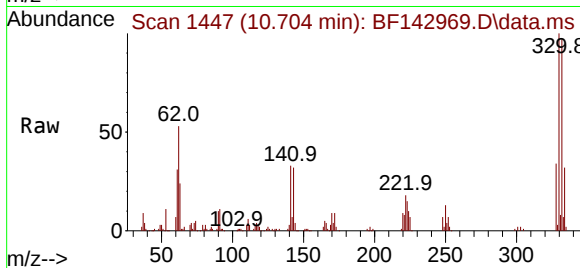
Tgt Ion:330 Resp: 104384

Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 55.885 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142969.D

Acq: 02 Jul 2025 14:17

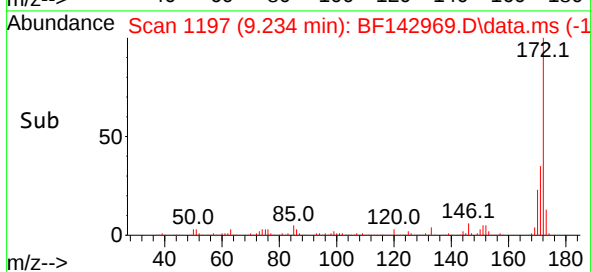
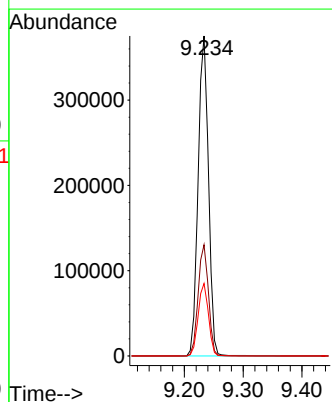
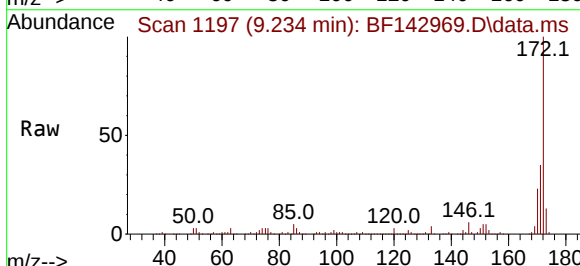
Tgt Ion:172 Resp: 458591

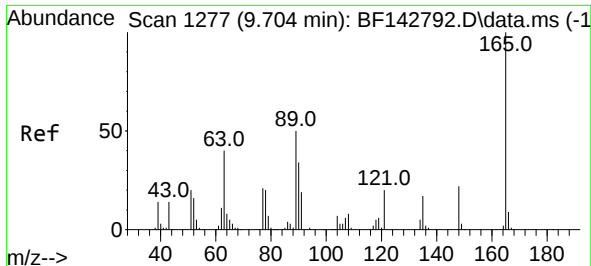
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.6 18.5 27.7

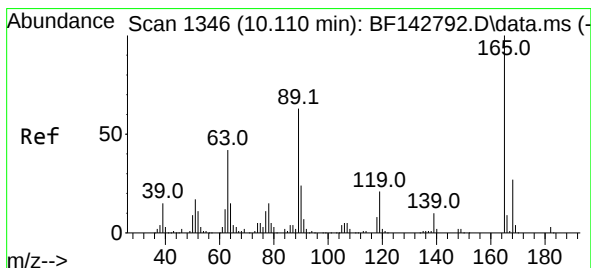
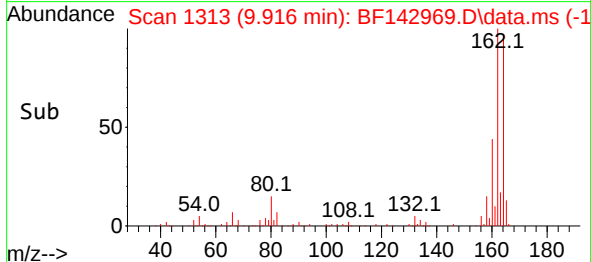
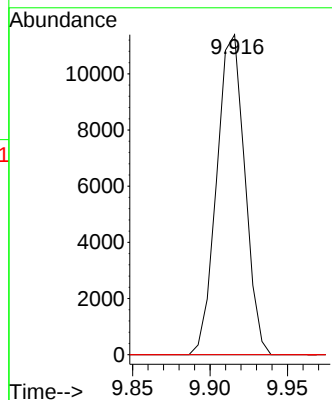
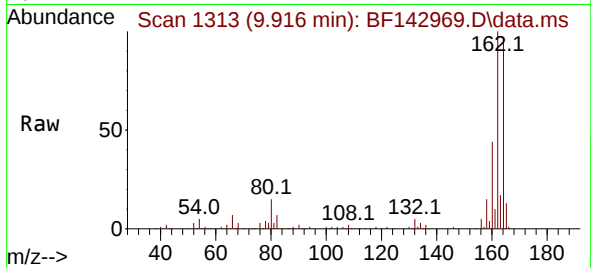




#51
2,6-Dinitrotoluene
Concen: 9.383 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

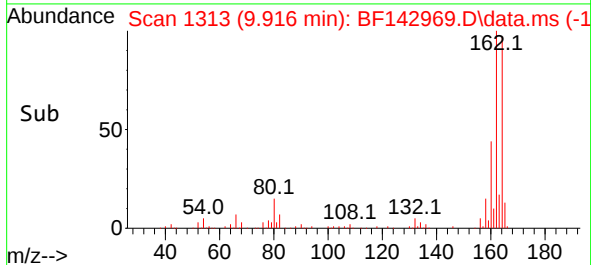
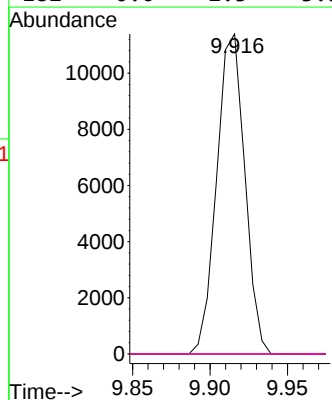
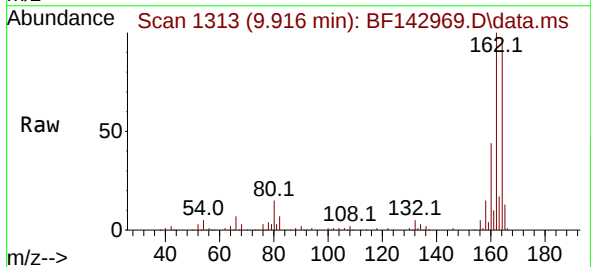
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TP-67

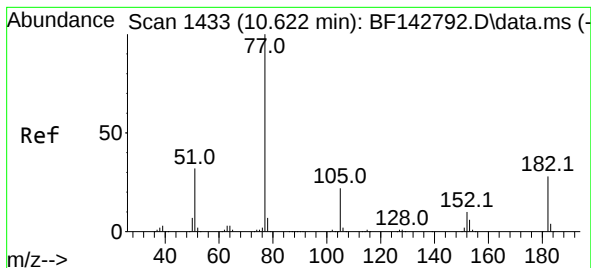
Tgt Ion:165 Resp: 14378
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.064 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:165 Resp: 14378
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#





#63

Azobenzene

Concen: 4.501 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142969.D

Acq: 02 Jul 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-67

Tgt Ion: 77 Resp: 27520

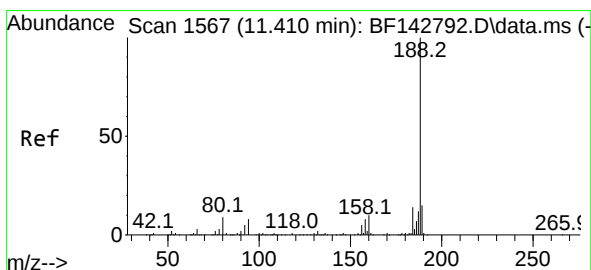
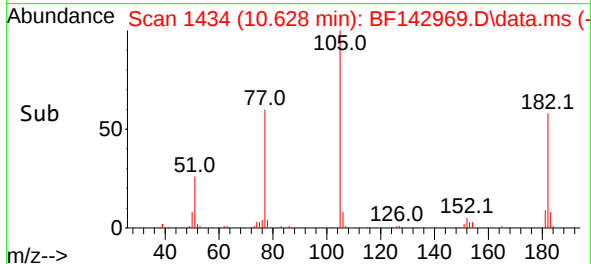
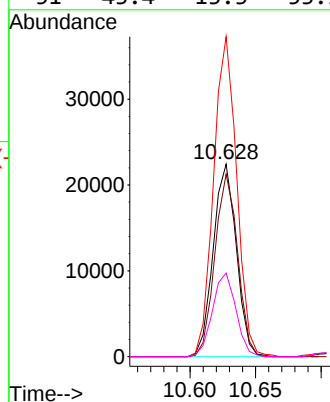
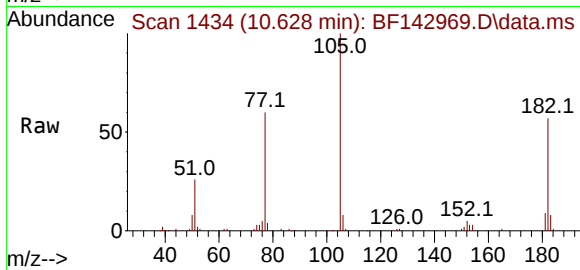
Ion Ratio Lower Upper

77 100

182 94.8 7.7 47.7#

105 166.2 1.9 41.9#

51 43.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142969.D

Acq: 02 Jul 2025 14:17

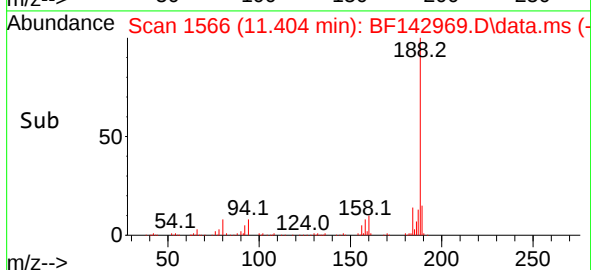
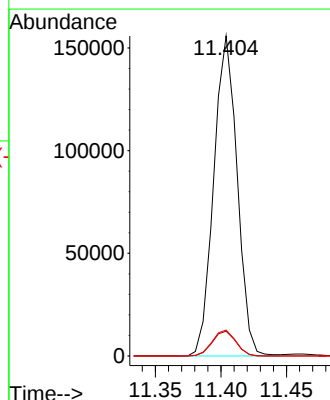
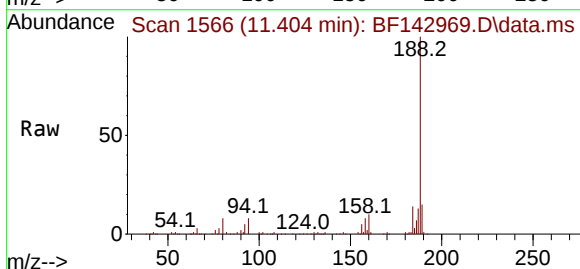
Tgt Ion: 188 Resp: 193599

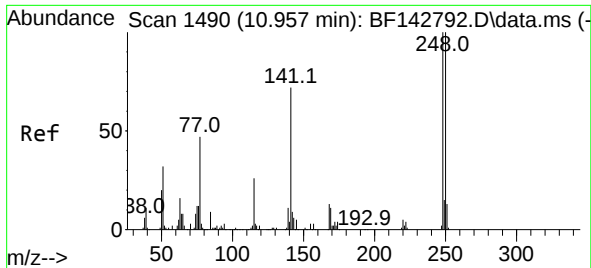
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.1 6.9 10.3

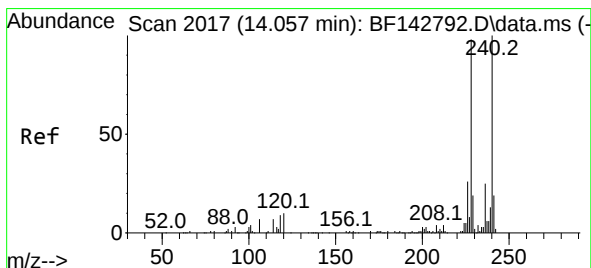
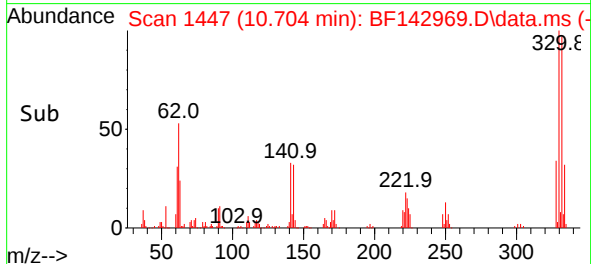
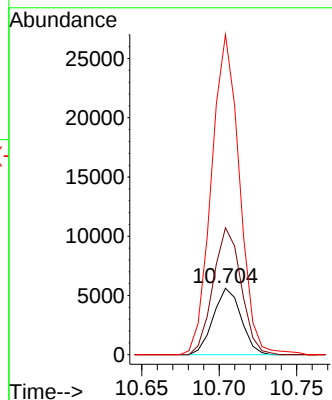
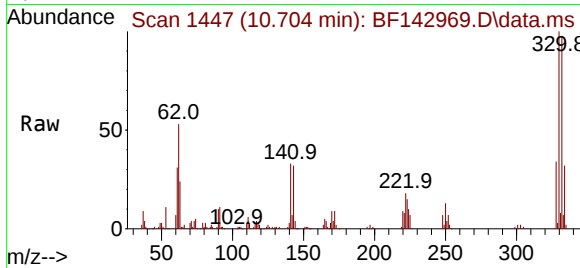




#67
4-Bromophenyl-phenylether
Concen: 3.175 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

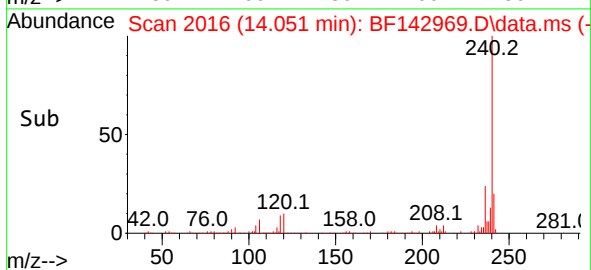
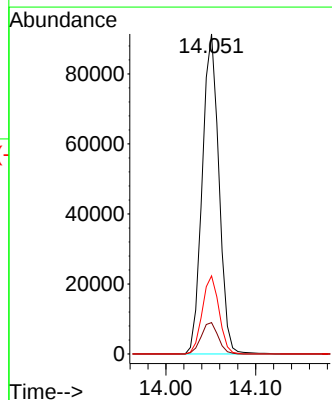
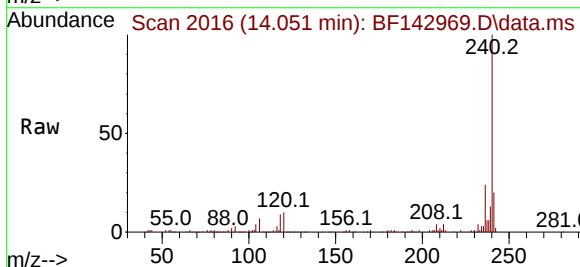
Instrument :
BNA_F
ClientSampleId :
TP-67

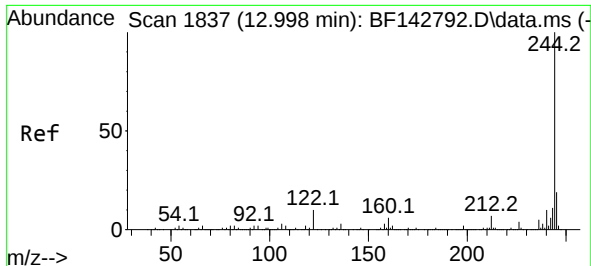
Tgt Ion:248 Resp: 6995
Ion Ratio Lower Upper
248 100
250 190.8 79.8 119.8#
141 481.4 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

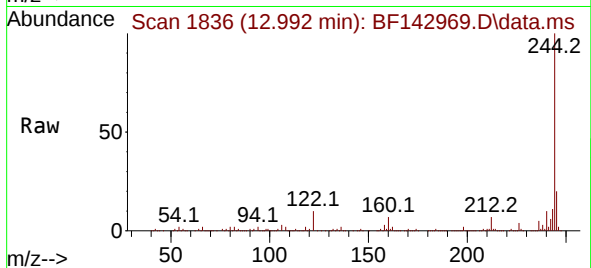
Tgt Ion:240 Resp: 117849
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.4 19.8 29.8



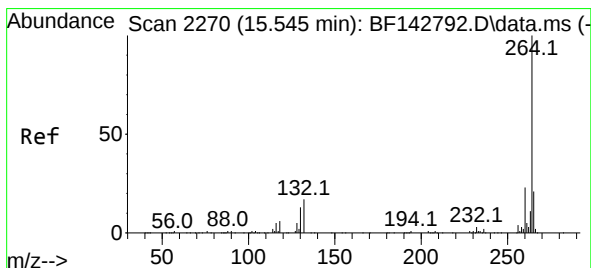
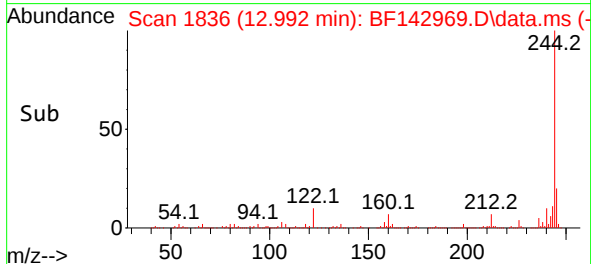
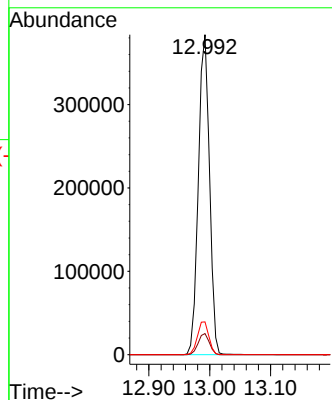


#79
Terphenyl-d14
Concen: 57.038 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67



Tgt Ion:244 Resp: 486496
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.2 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:264 Resp: 100982
Ion Ratio Lower Upper
264 100
260 22.8 18.1 27.1
265 21.2 16.6 25.0

