

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142924.D
 Acq On : 30 Jun 2025 19:44
 Operator : RC/JU
 Sample : Q2436-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-86

Quant Time: Jul 01 01:24:26 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)

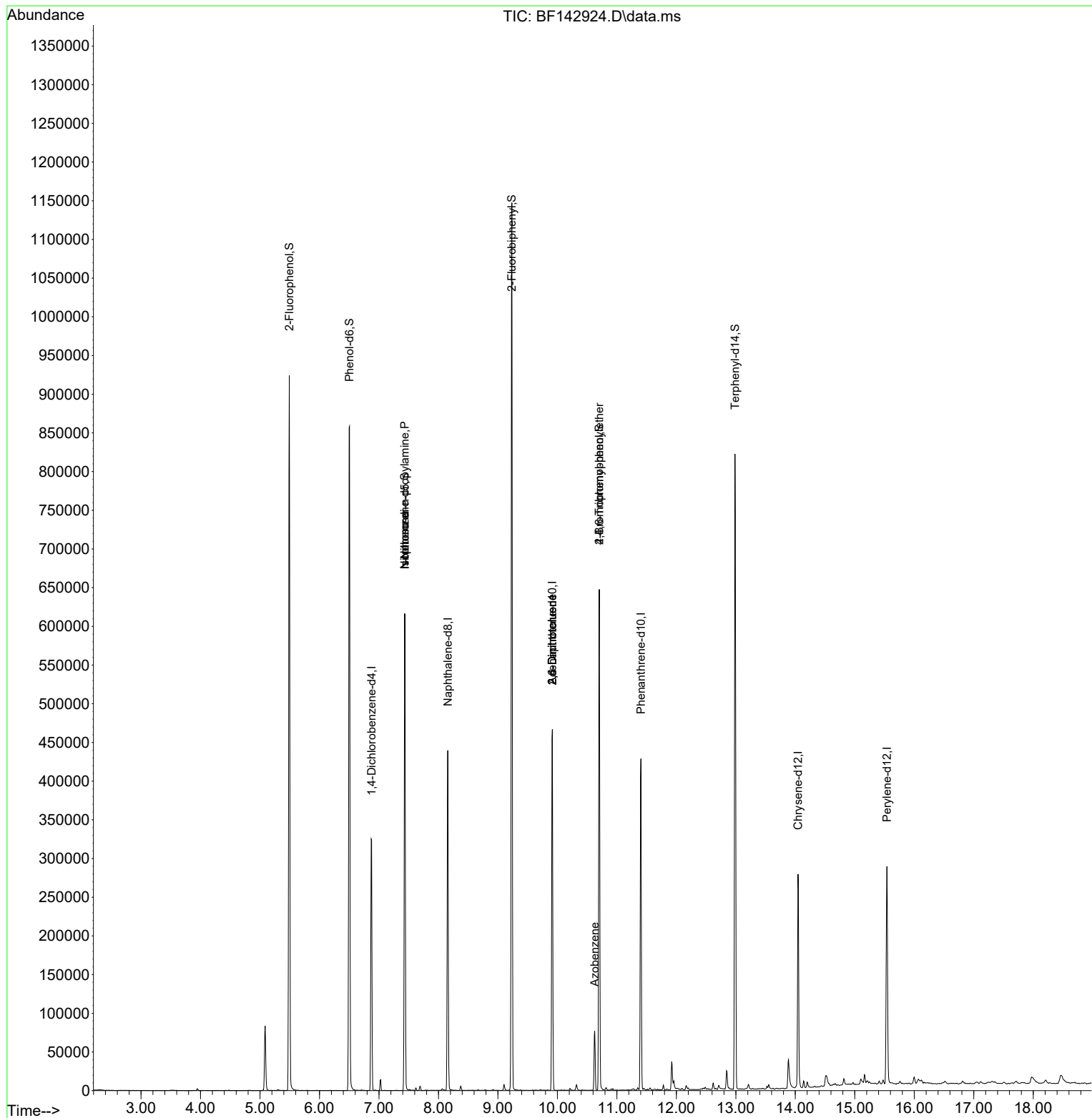
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73916	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282423	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	144734	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	227000	20.000	ng	0.00
76) Chrysene-d12	14.045	240	138055	20.000	ng	-0.01
86) Perylene-d12	15.539	264	164219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	353067	79.527	ng	0.00
7) Phenol-d6	6.504	99	413711	78.985	ng	0.00
23) Nitrobenzene-d5	7.434	82	257855	50.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	110106	73.926	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	511114	46.391	ng	-0.01
79) Terphenyl-d14	12.986	244	408851	40.919	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	34045	11.176	ng	# 75
25) Isophorone	7.434	82	256111	31.007	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18330	8.909	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	18330	6.707	ng	# 27
63) Azobenzene	10.628	77	18826	2.293	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	7334	2.839	ng	# 1

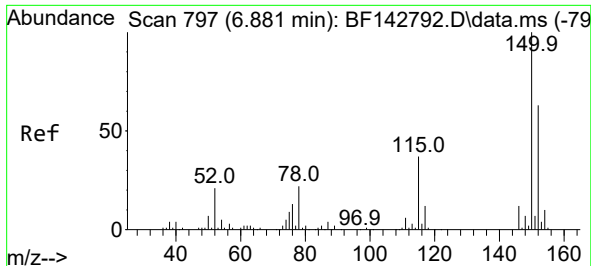
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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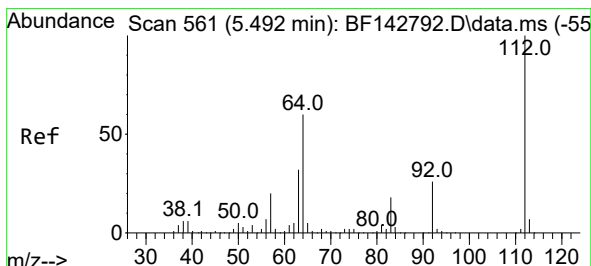
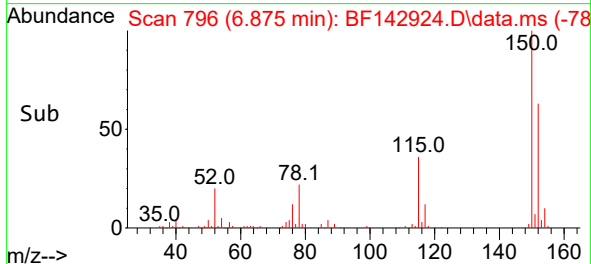
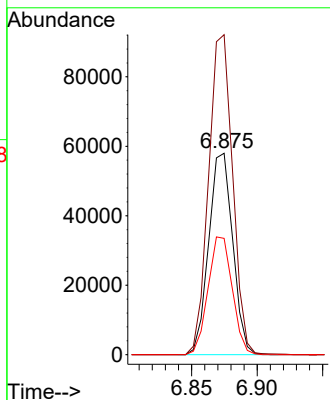
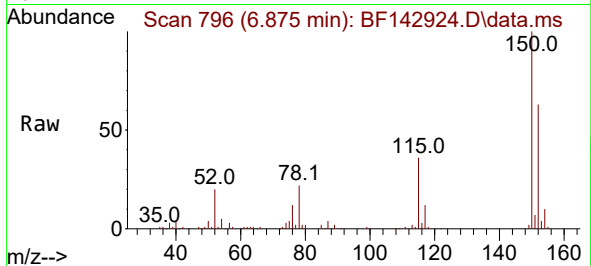




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

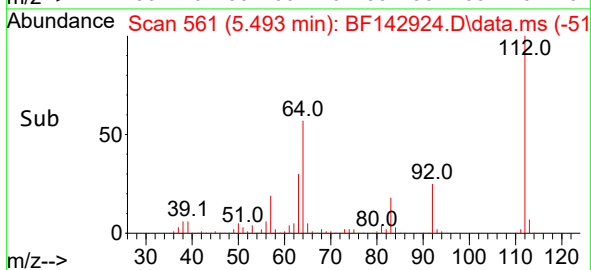
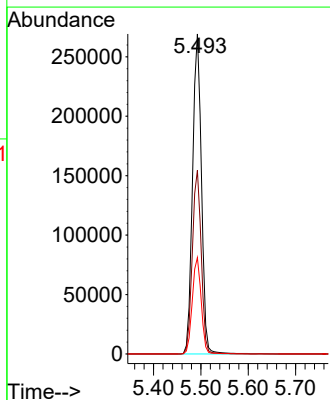
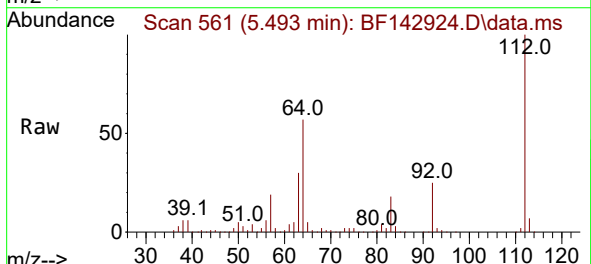
Instrument :
BNA_F
ClientSampleId :
TP-86

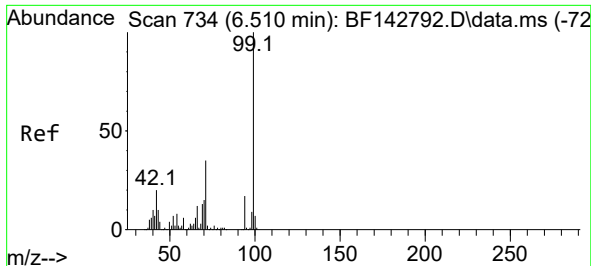
Tgt Ion:152 Resp: 73916
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#5
2-Fluorophenol
Concen: 79.527 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion:112 Resp: 353067
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.1 25.7 38.5





#7

Phenol-d6

Concen: 78.985 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

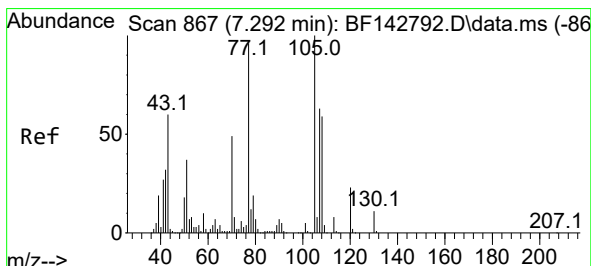
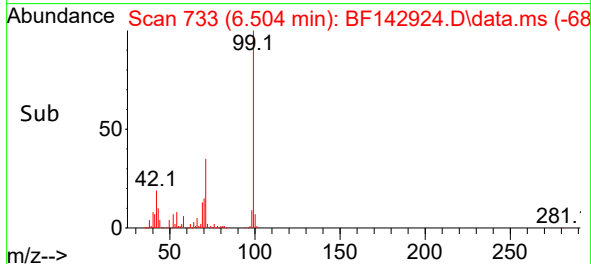
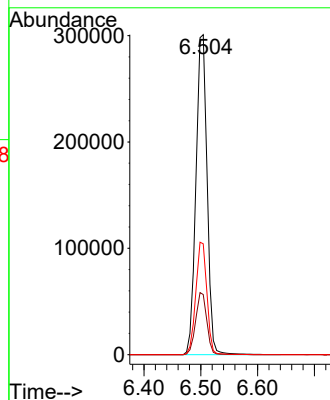
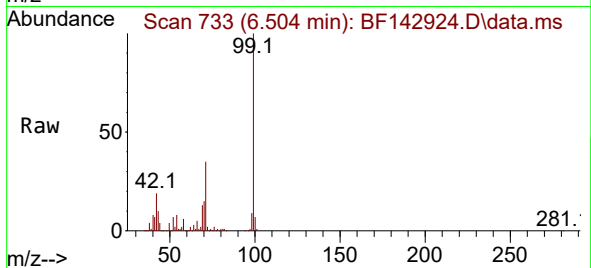
Tgt Ion: 99 Resp: 413711

Ion Ratio Lower Upper

99 100

42 18.8 15.9 23.9

71 34.7 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.176 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Tgt Ion: 70 Resp: 34045

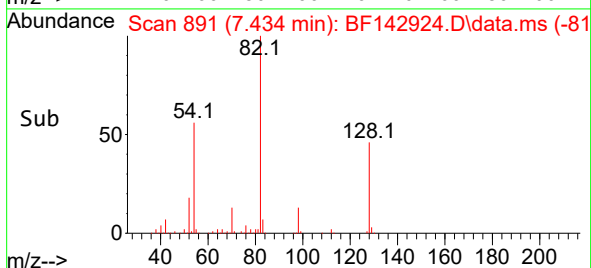
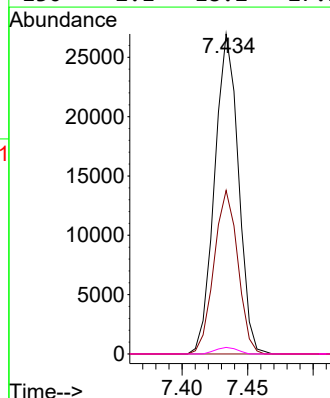
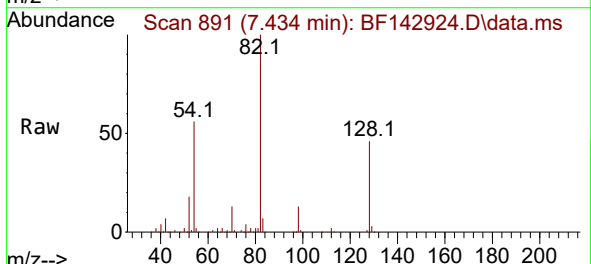
Ion Ratio Lower Upper

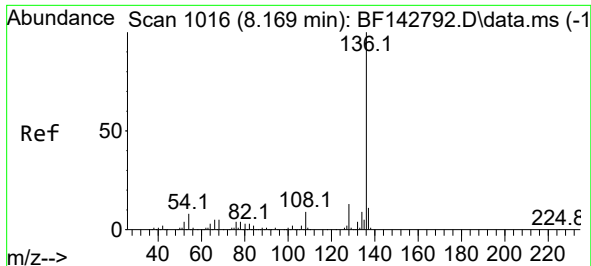
70 100

42 51.1 52.1 78.1#

101 0.0 8.2 12.2#

130 2.1 18.2 27.2#

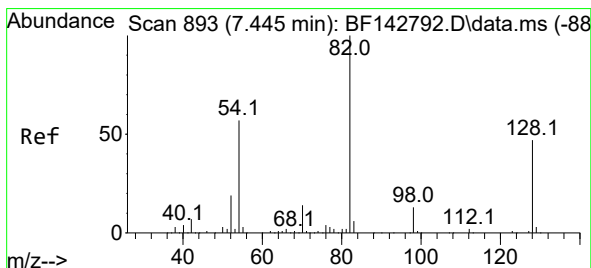
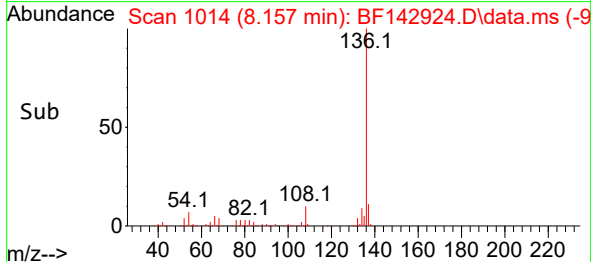
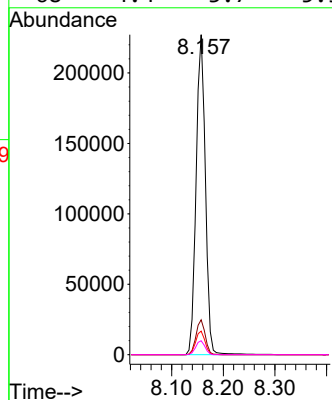
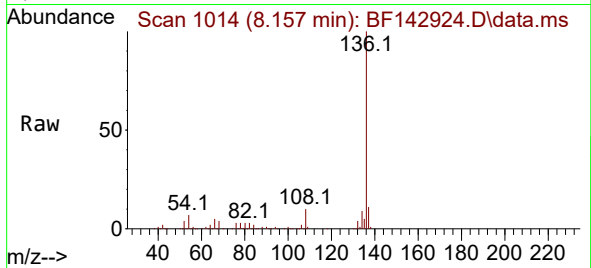




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

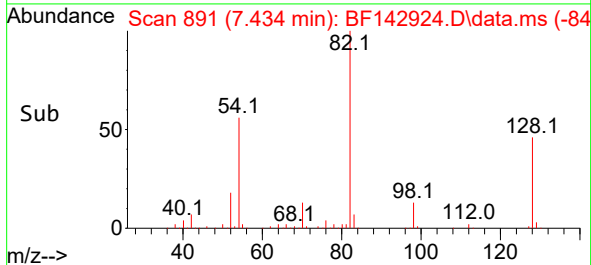
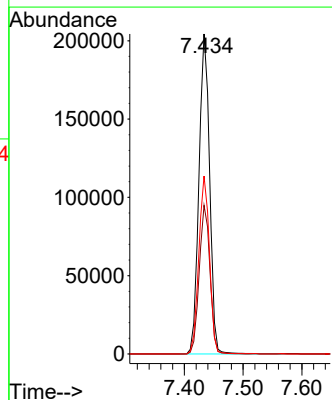
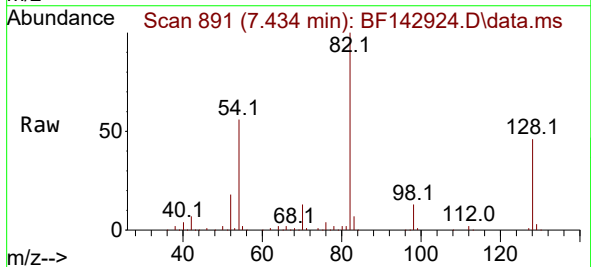
Instrument :
BNA_F
ClientSampleId :
TP-86

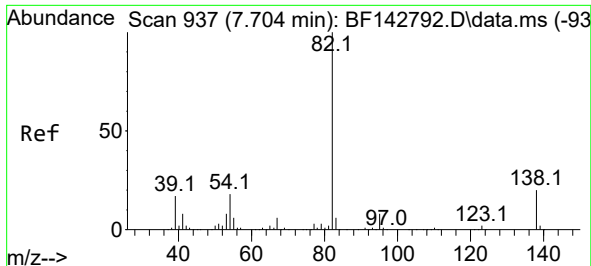
Tgt Ion:136 Resp: 282423
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.4 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 50.079 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion: 82 Resp: 257855
Ion Ratio Lower Upper
82 100
128 46.5 37.7 56.5
54 55.6 45.7 68.5

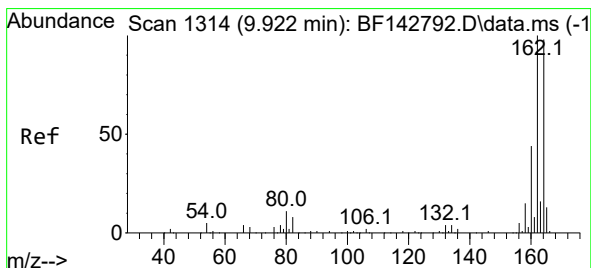
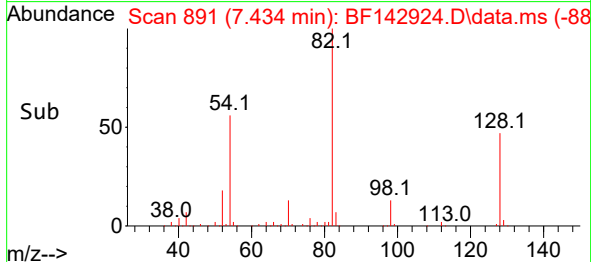
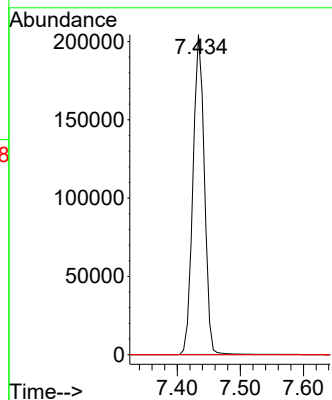
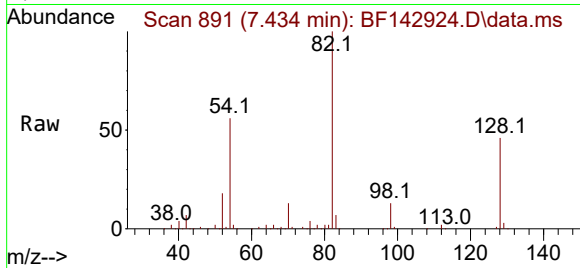




#25
Isophorone
Concen: 31.007 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

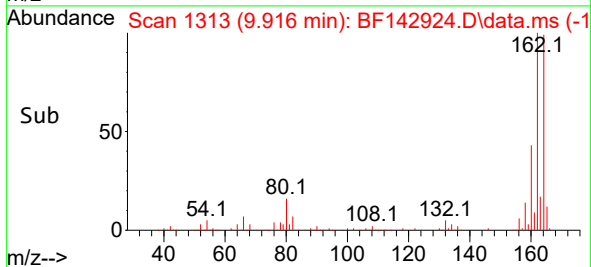
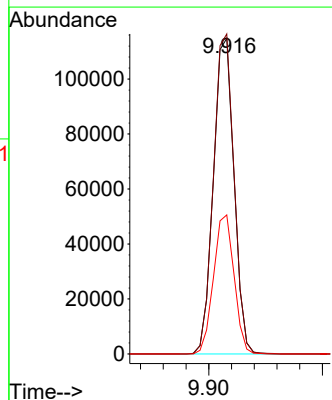
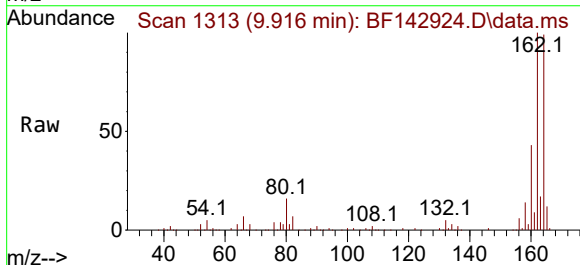
Instrument :
BNA_F
ClientSampleId :
TP-86

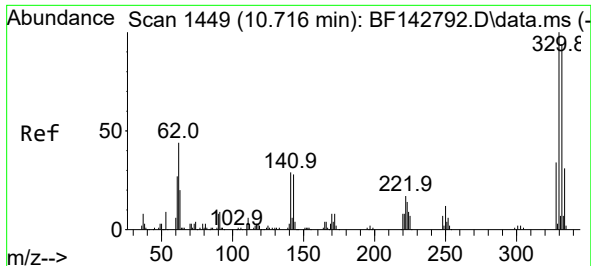
Tgt Ion: 82 Resp: 256111
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion:164 Resp: 144734
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.926 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

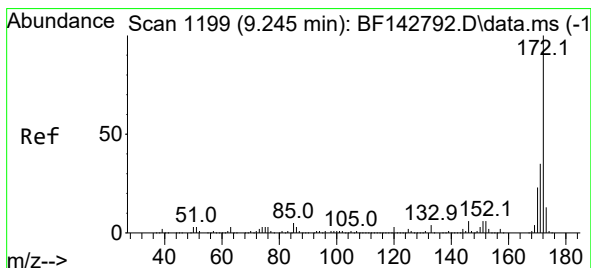
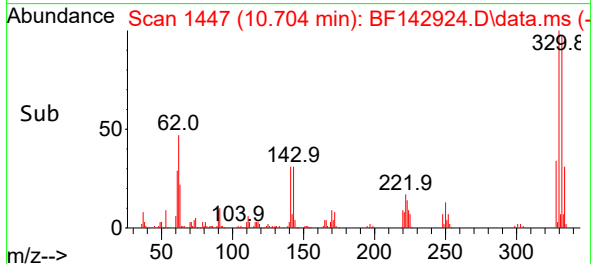
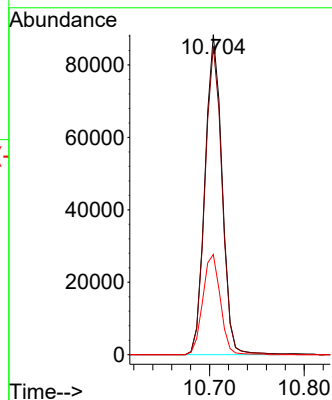
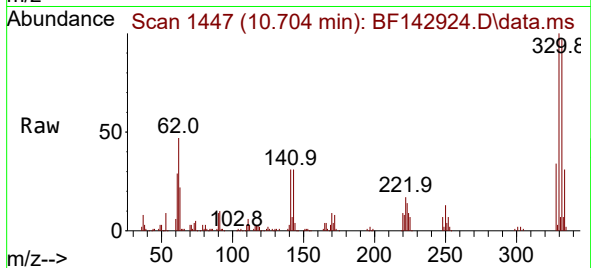
Tgt Ion:330 Resp: 110106

Ion Ratio Lower Upper

330 100

332 96.6 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.391 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

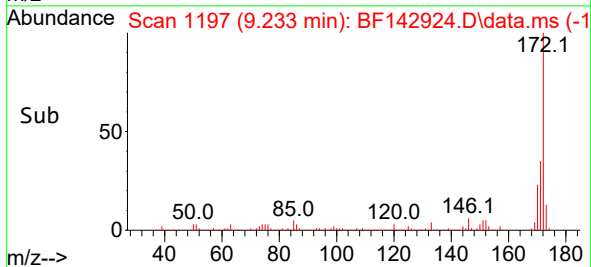
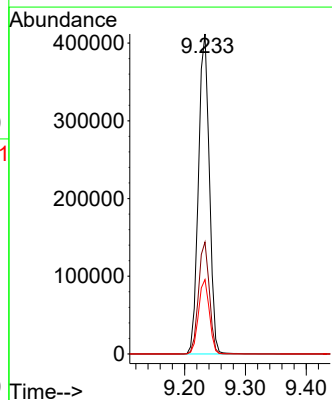
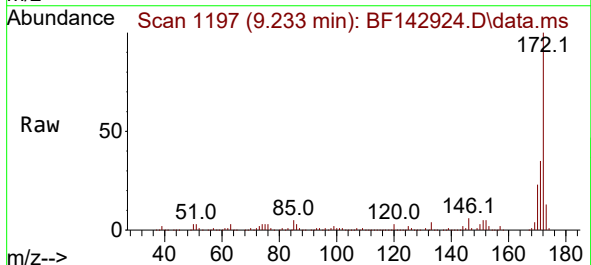
Tgt Ion:172 Resp: 511114

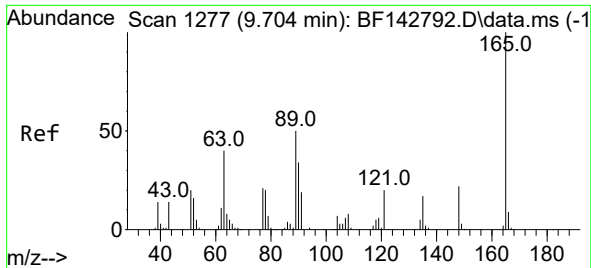
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.3 18.5 27.7

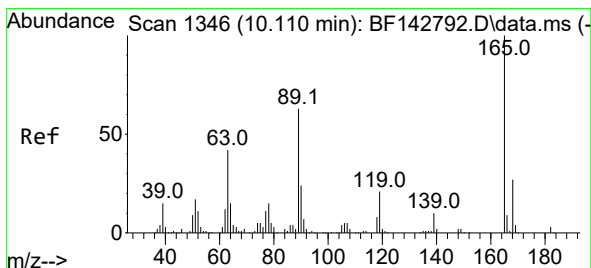
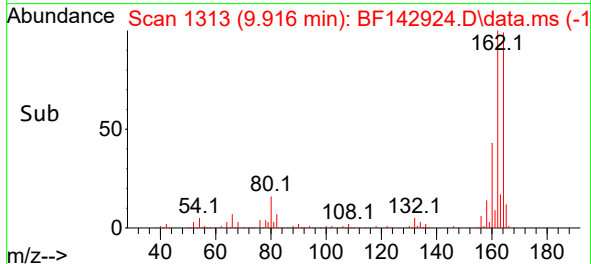
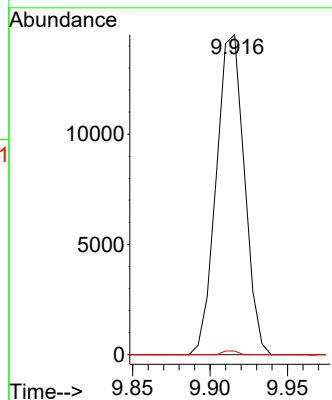
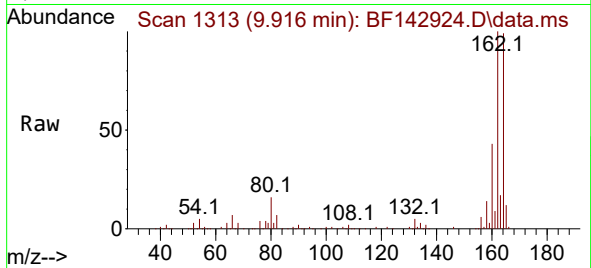




#51
2,6-Dinitrotoluene
Concen: 8.909 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

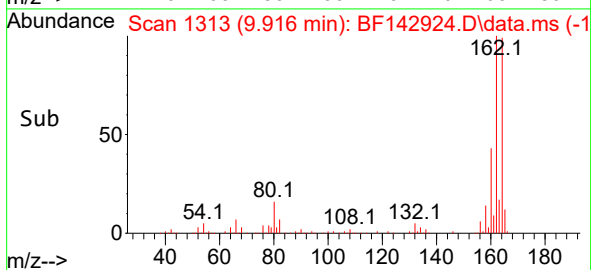
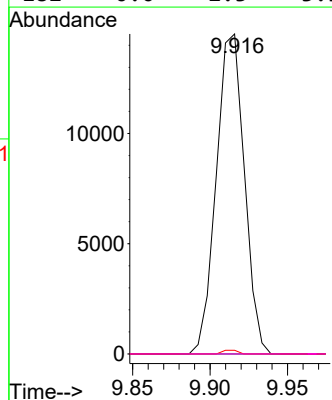
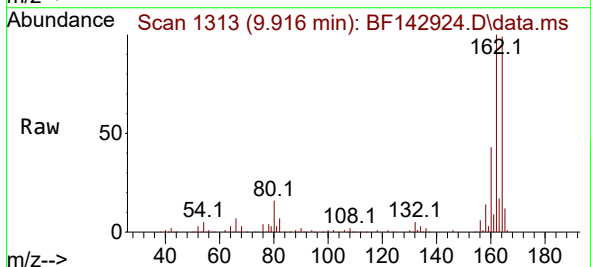
Instrument :
BNA_F
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TP-86

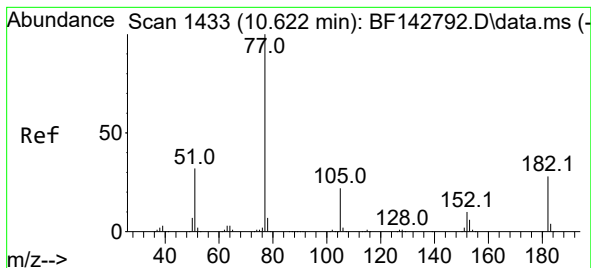
Tgt Ion:165 Resp: 18330
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.1 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion:165 Resp: 18330
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.293 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

Tgt Ion: 77 Resp: 18826

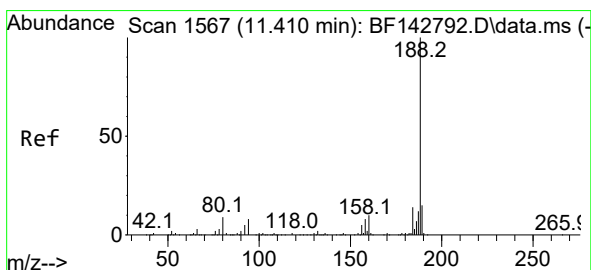
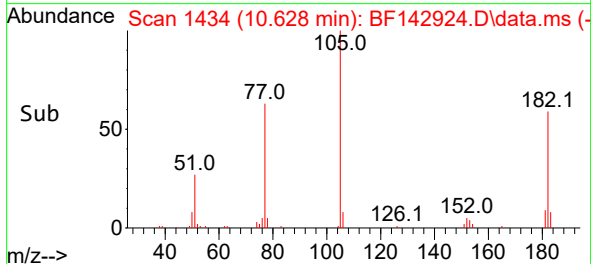
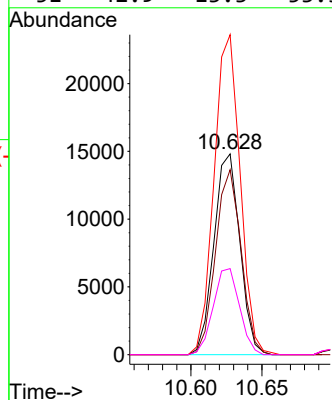
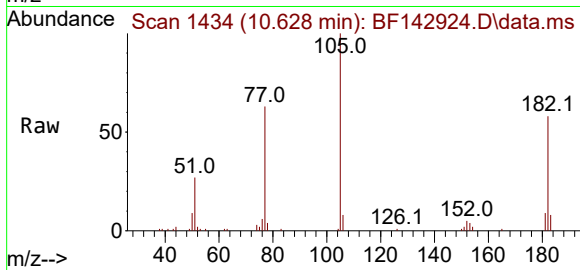
Ion Ratio Lower Upper

77 100

182 92.2 7.7 47.7#

105 159.4 1.9 41.9#

51 42.9 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: BF142924.D

Acq: 30 Jun 2025 19:44

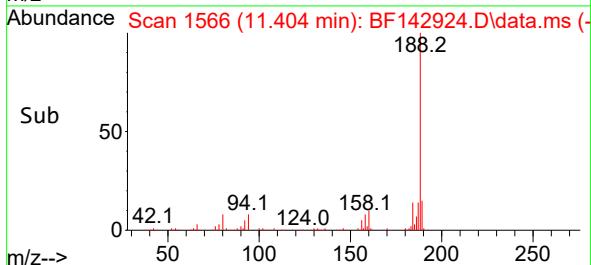
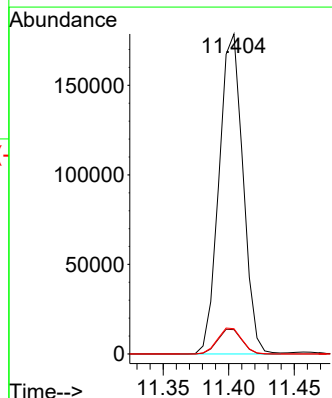
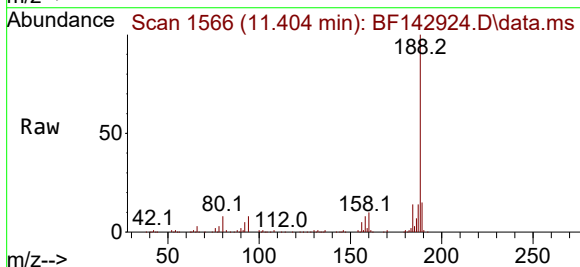
Tgt Ion: 188 Resp: 227000

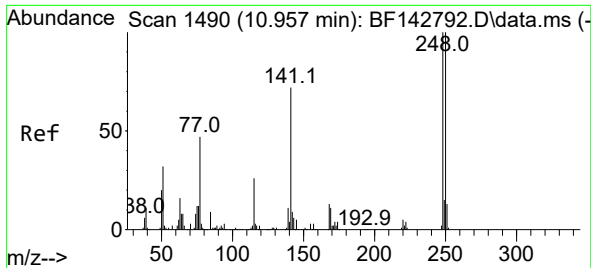
Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 7.9 6.9 10.3

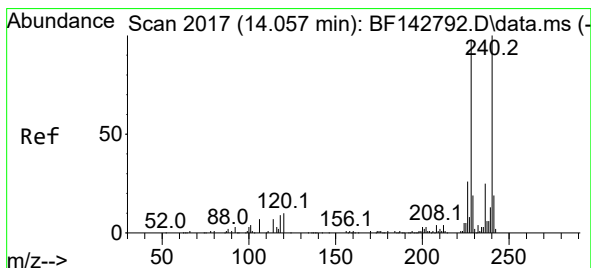
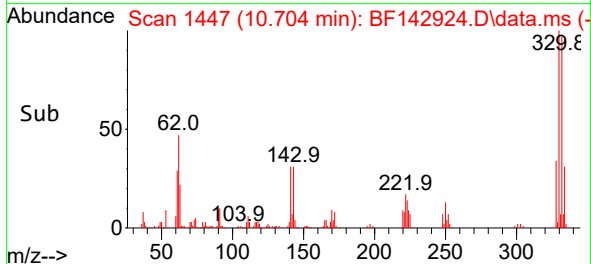
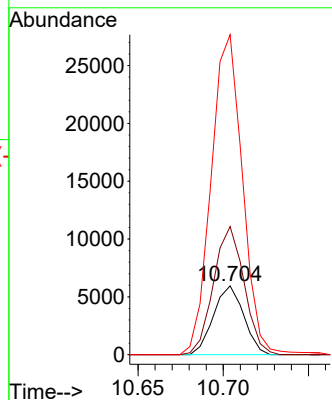
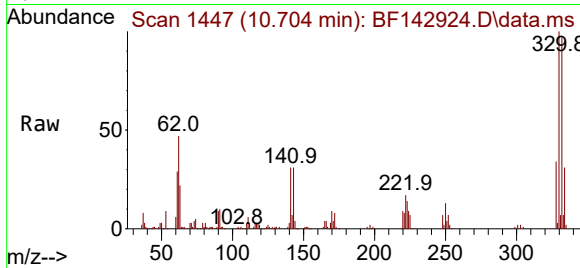




#67
4-Bromophenyl-phenylether
Concen: 2.839 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

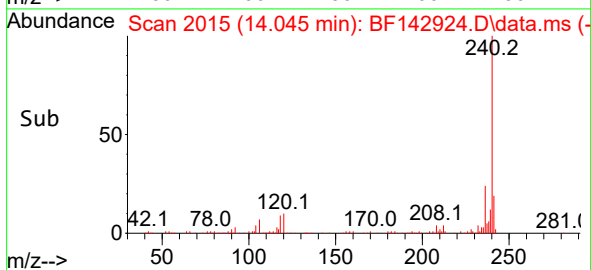
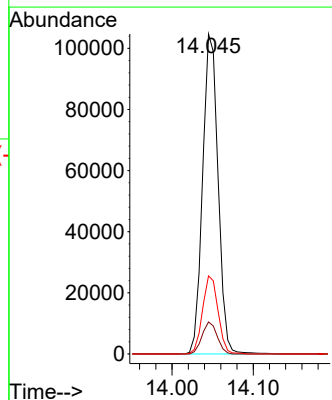
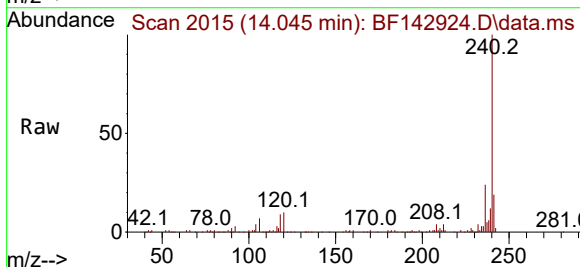
Instrument :
BNA_F
ClientSampleId :
TP-86

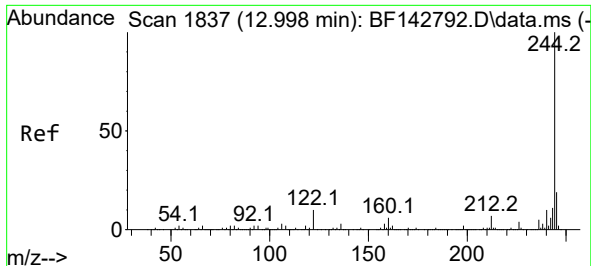
Tgt Ion:248 Resp: 7334
Ion Ratio Lower Upper
248 100
250 186.3 79.8 119.8#
141 465.2 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

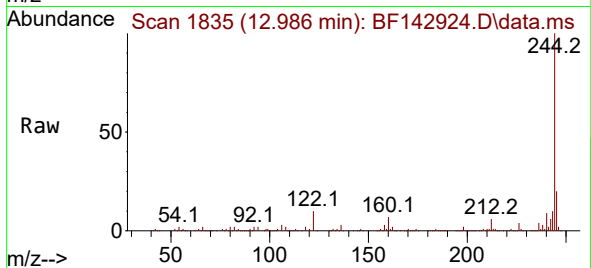
Tgt Ion:240 Resp: 138055
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.4 19.8 29.8



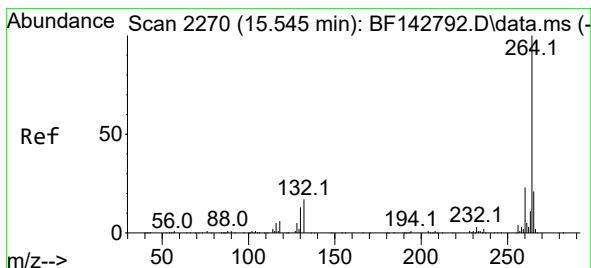
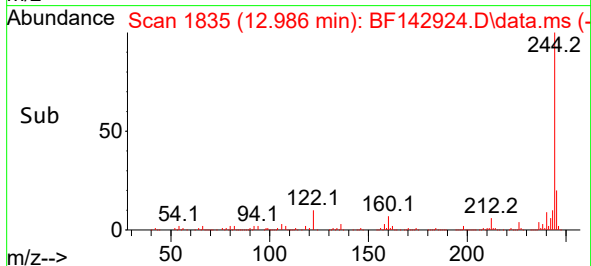
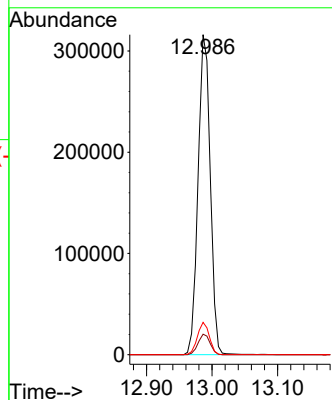


#79
 Terphenyl-d14
 Concen: 40.919 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142924.D
 Acq: 30 Jun 2025 19:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-86



Tgt Ion:244 Resp: 408851
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.1 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: BF142924.D
 Acq: 30 Jun 2025 19:44

Tgt Ion:264 Resp: 164219
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 21.7 16.6 25.0

