

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062325\
 Data File : BF142804.D
 Acq On : 23 Jun 2025 13:43
 Operator : RC/JU
 Sample : PB168514TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168514TB

Quant Time: Jun 24 06:40:28 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)

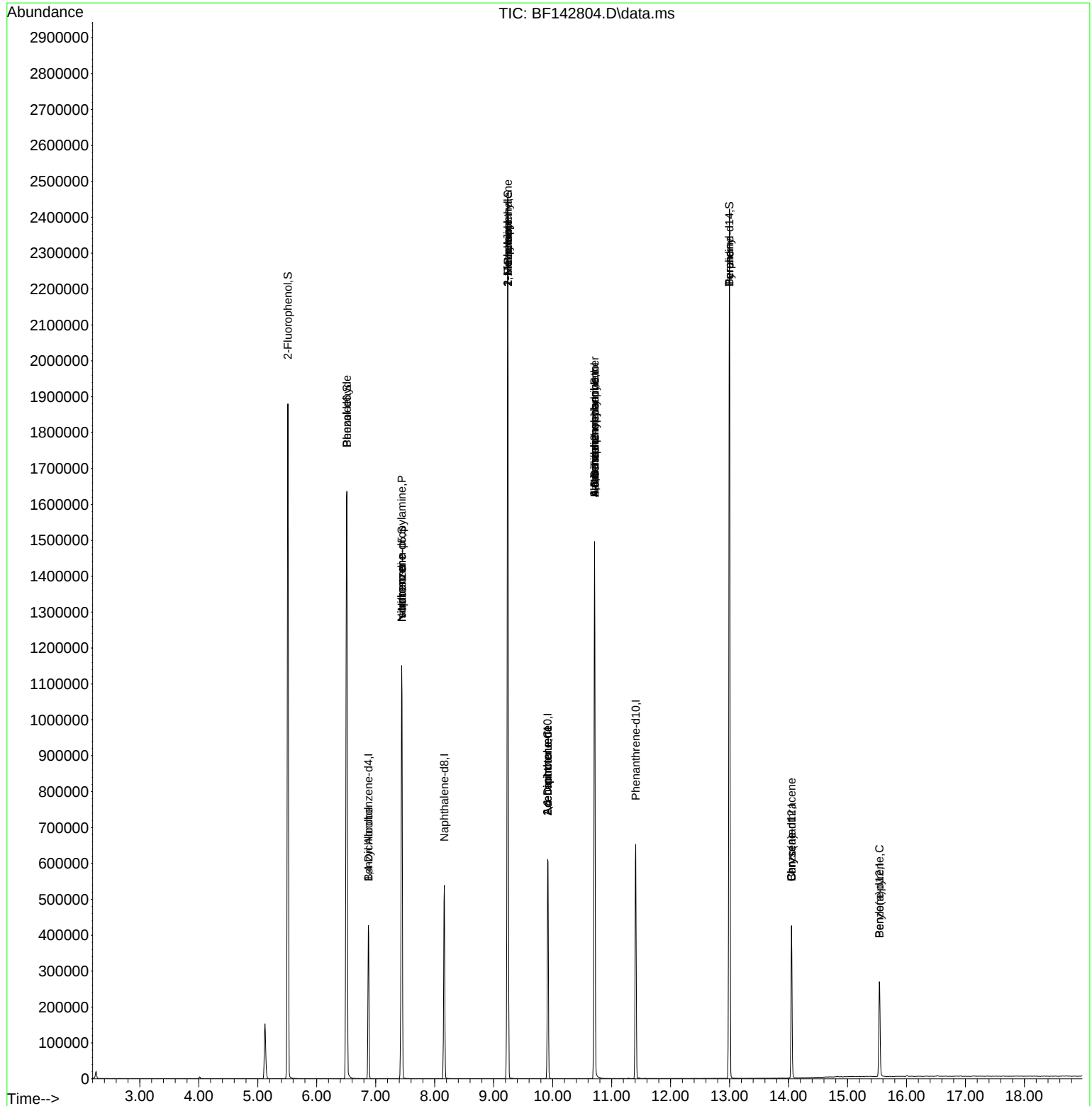
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	95478	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	368280	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	195148	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	345018	20.000	ng	0.00
76) Chrysene-d12	14.051	240	208921	20.000	ng	0.00
86) Perylene-d12	15.539	264	164942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	743758	129.695	ng	0.02
7) Phenol-d6	6.510	99	882809	130.481	ng	0.00
23) Nitrobenzene-d5	7.439	82	549387	81.824	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	271456	135.173	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1160444	78.117	ng	0.00
79) Terphenyl-d14	12.998	244	1213587	80.261	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	1420	0.354	ng	# 1
15) Benzyl Alcohol	6.875	79	2354	0.481	ng	# 26
19) n-Nitroso-di-n-propyla...	7.439	70	73720	18.734	ng	# 75
24) Nitrobenzene	7.439	77	1655	0.272	ng	# 33
25) Isophorone	7.439	82	545788	50.674	ng	# 62
38) 1-Methylnaphthalene	9.239	142	427	0.037	ng	# 92
46) 1,1'-Biphenyl	9.239	154	2339	0.152	ng	# 1
48) 2-Nitroaniline	9.239	65	1836	0.566	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	25169	9.073	ng	# 27
52) Acenaphthene	9.916	154	510	0.044	ng	# 5
57) 2,4-Dinitrotoluene	9.916	165	25169	6.830	ng	# 28
58) Fluorene	10.710	166	10208	0.784	ng	# 83
63) Azobenzene	10.710	77	1027	0.093	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	469	0.225	ng	# 1
66) n-Nitrosodiphenylamine	10.710	169	8232	0.688	ng	# 45
67) 4-Bromophenyl-phenylether	10.710	248	16823	4.284	ng	# 1
77) Benzidine	12.998	184	15295	1.949	ng	# 94
78) Pyrene	12.998	202	3582	0.183	ng	# 64
81) Benzo(a)anthracene	14.051	228	550	0.039	ng	# 52
83) Chrysene	14.051	228	550	0.044	ng	# 50
90) Benzo(a)pyrene	15.539	252	381	0.041	ng	# 60

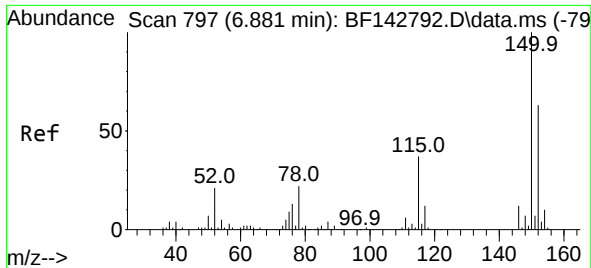
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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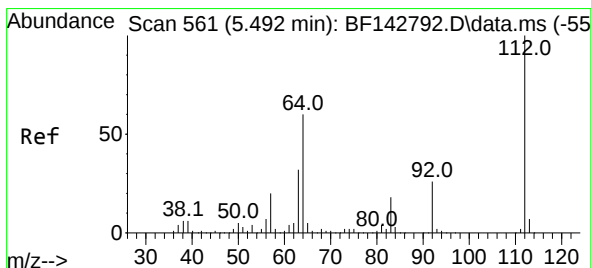
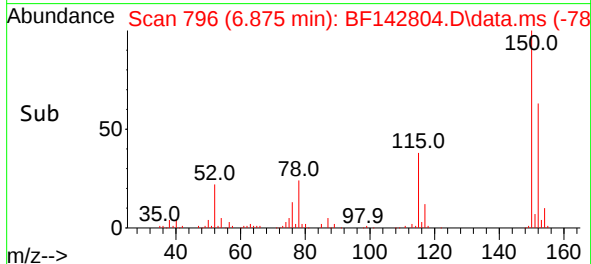
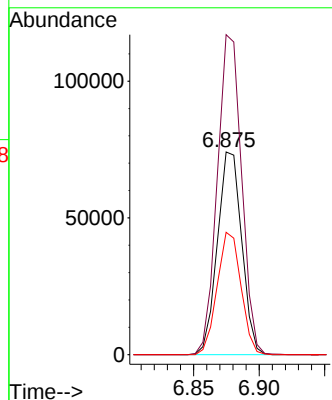
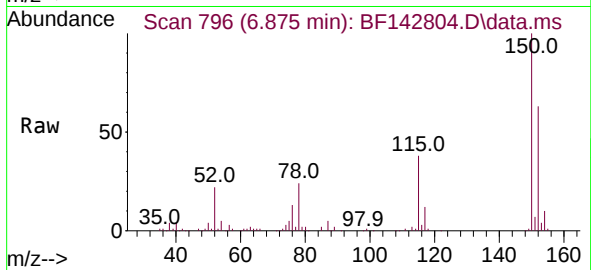




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

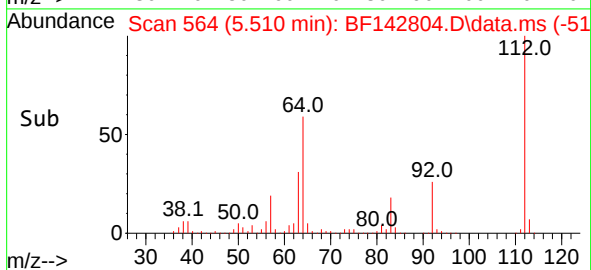
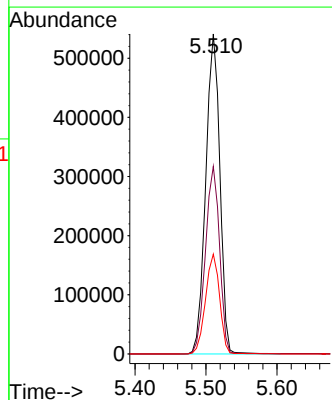
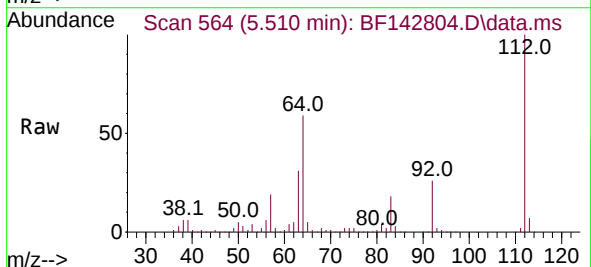
Instrument :
BNA_F
ClientSampleId :
PB168514TB

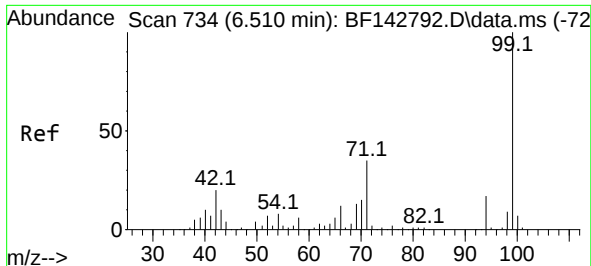
Tgt Ion:152 Resp: 95478
Ion Ratio Lower Upper
152 100
150 157.9 127.2 190.8
115 60.4 46.6 69.8



#5
2-Fluorophenol
Concen: 129.695 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:112 Resp: 743758
Ion Ratio Lower Upper
112 100
64 58.6 48.2 72.2
63 31.2 25.7 38.5

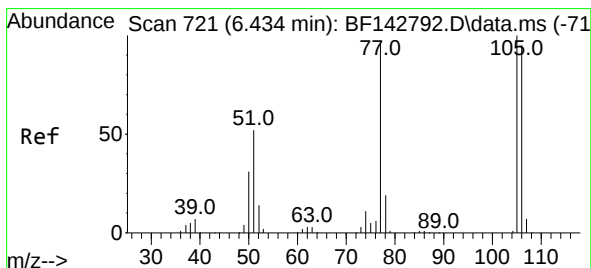
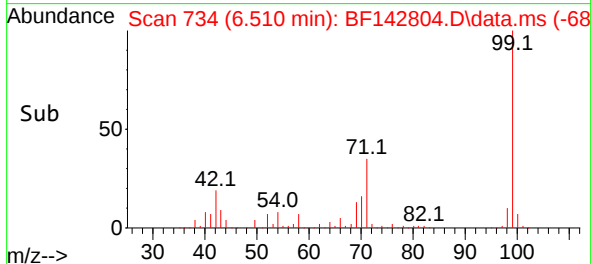
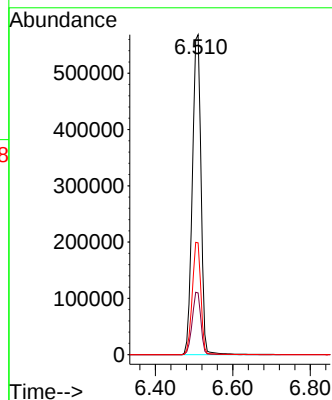
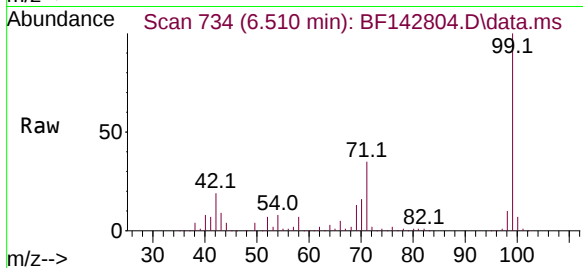




#7
Phenol-d6
Concen: 130.481 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

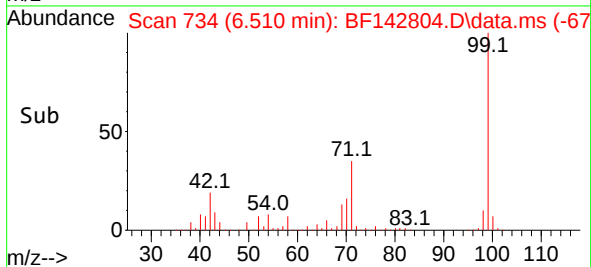
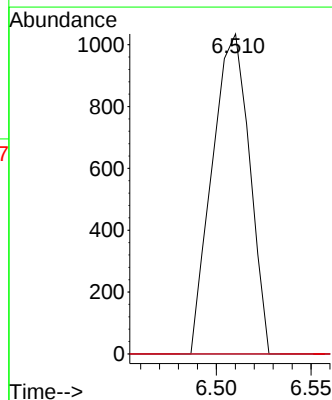
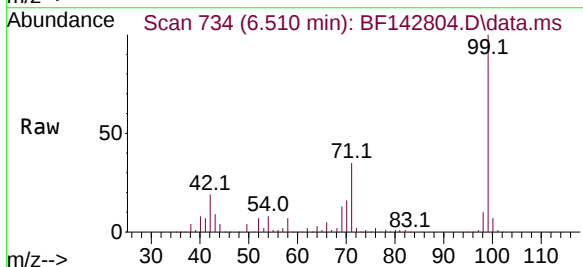
Instrument :
BNA_F
ClientSampleId :
PB168514TB

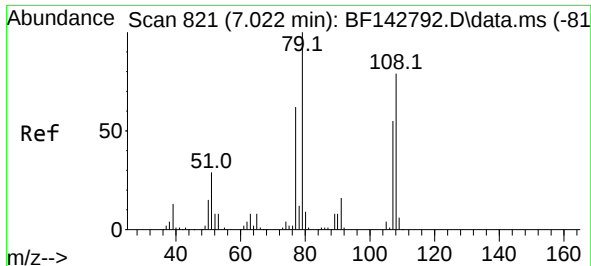
Tgt Ion: 99 Resp: 882809
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.9 27.8 41.8



#9
Benzaldehyde
Concen: 0.354 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.076 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion: 77 Resp: 1420
Ion Ratio Lower Upper
77 100
105 0.0 83.8 123.8#
106 0.0 78.7 118.7#

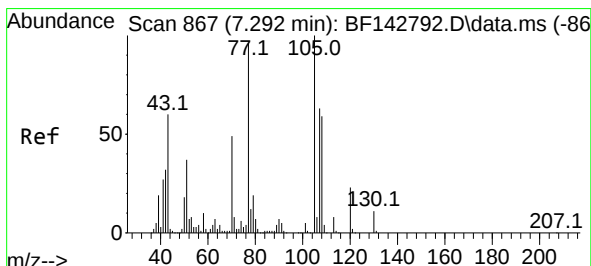
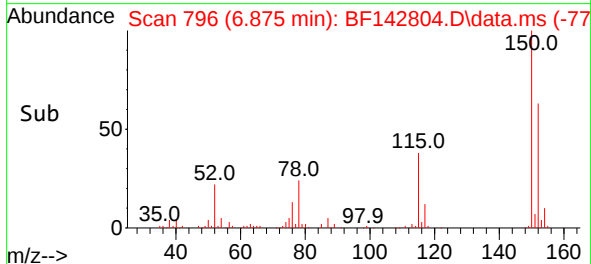
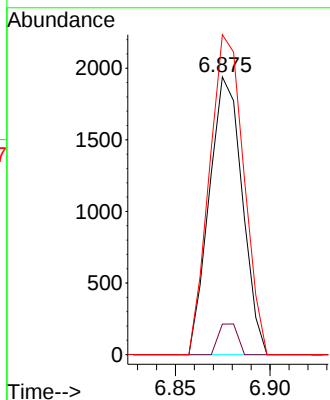
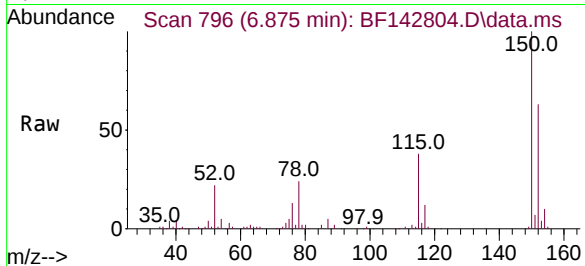




#15
Benzyl Alcohol
Concen: 0.481 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.147 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

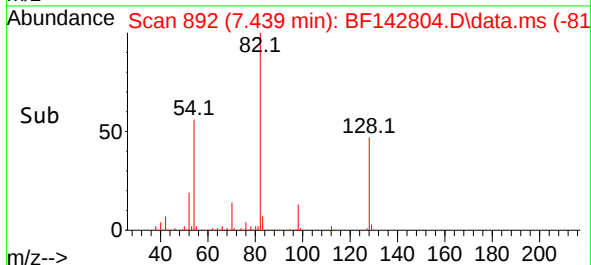
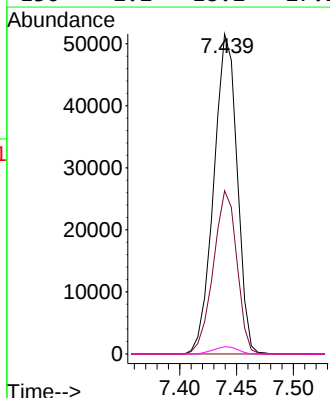
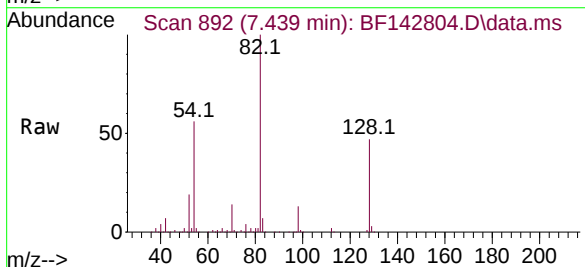
Instrument :
BNA_F
ClientSampleId :
PB168514TB

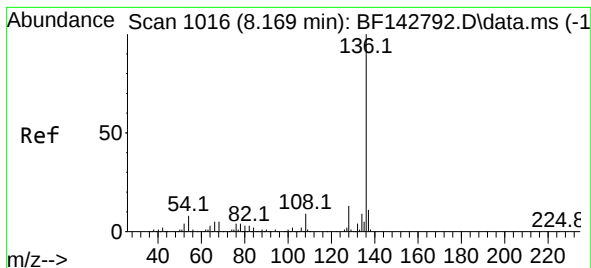
Tgt Ion: 79 Resp: 2354
Ion Ratio Lower Upper
79 100
108 11.0 63.4 95.0#
77 115.2 49.5 74.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.734 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion: 70 Resp: 73720
Ion Ratio Lower Upper
70 100
42 51.0 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: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

Instrument :

BNA_F

ClientSampleId :

PB168514TB

Tgt Ion:136 Resp: 368280

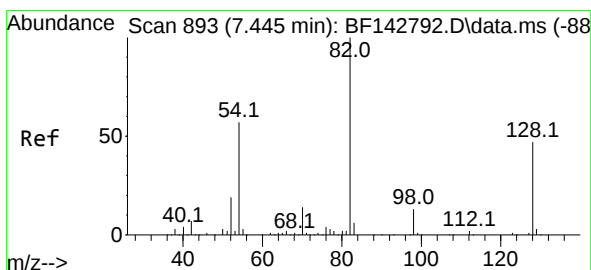
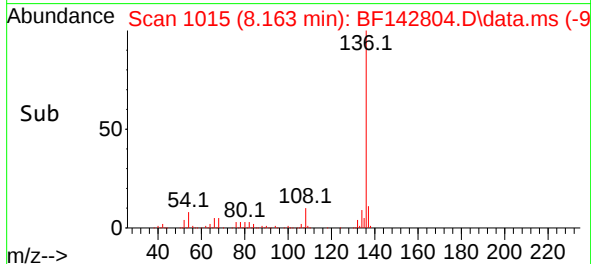
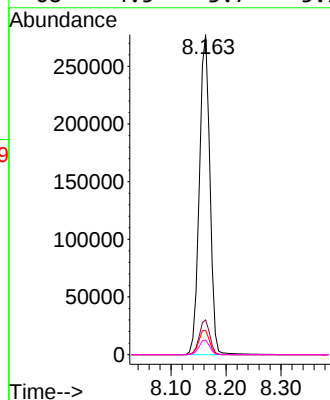
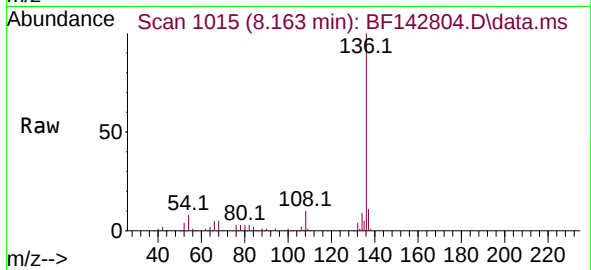
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.6 6.3 9.5

68 4.5 3.7 5.5



#23

Nitrobenzene-d5

Concen: 81.824 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

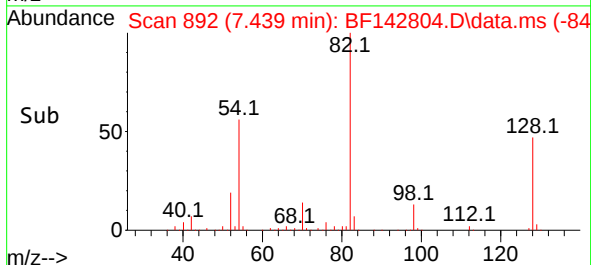
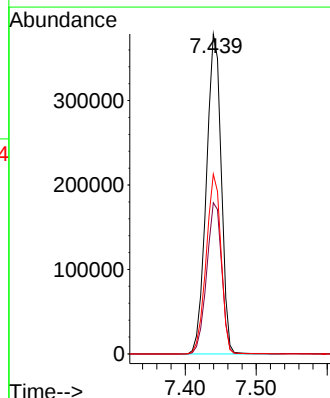
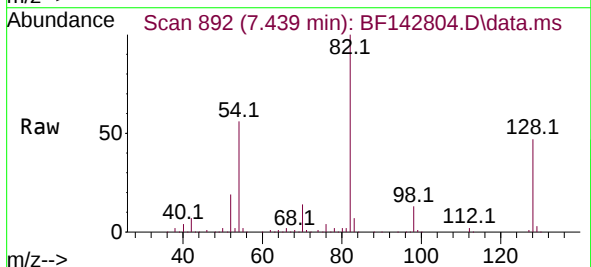
Tgt Ion: 82 Resp: 549387

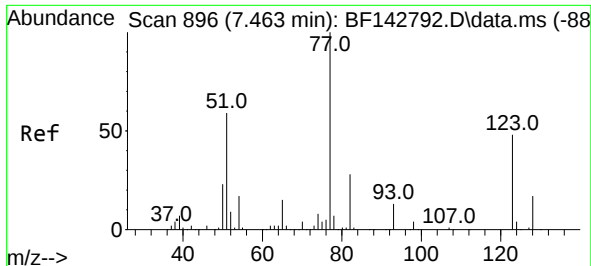
Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 56.2 45.7 68.5

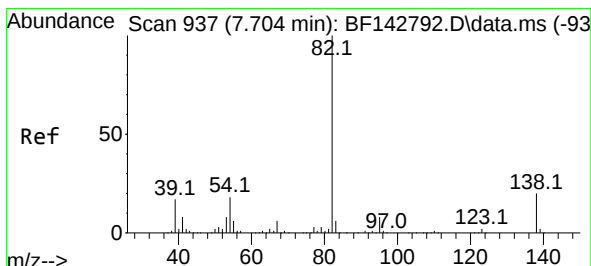
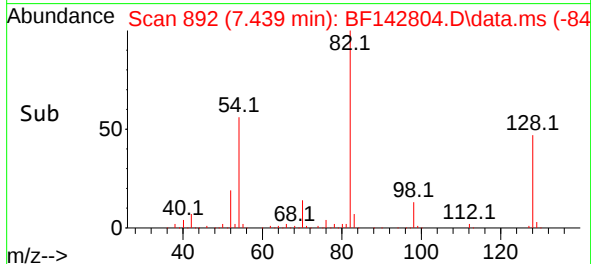
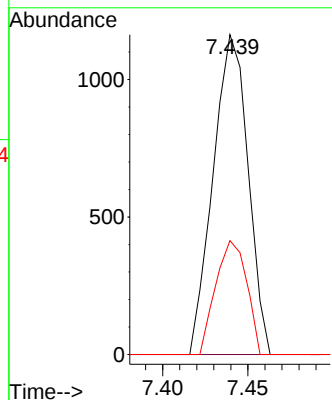
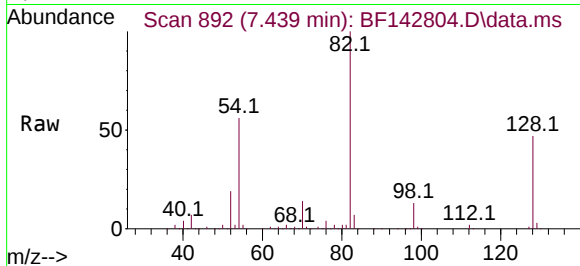




#24
Nitrobenzene
Concen: 0.272 ng
RT: 7.439 min Scan# 891
Delta R.T. -0.023 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

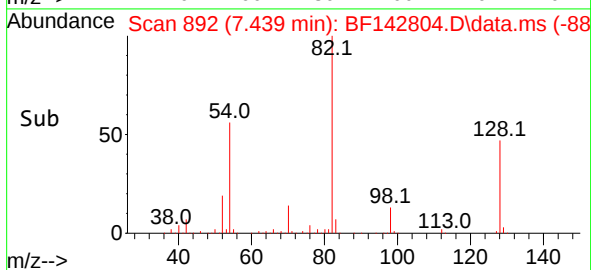
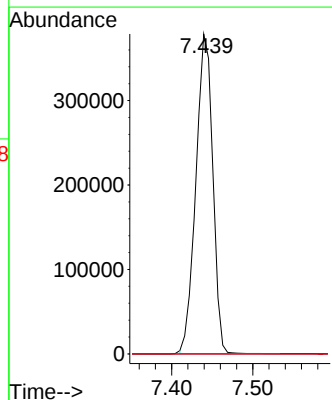
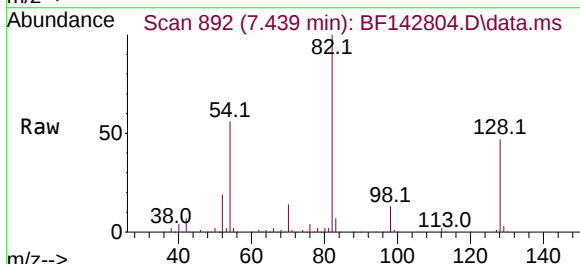
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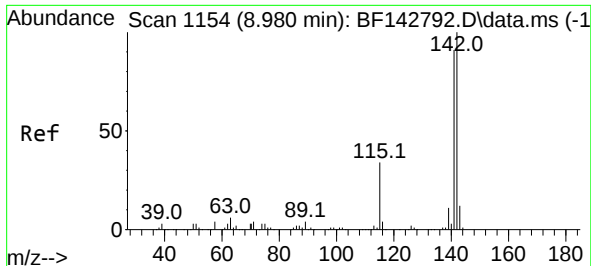
Tgt Ion: 77 Resp: 1655
Ion Ratio Lower Upper
77 100
123 0.0 39.2 58.8#
65 35.6 11.6 17.4#



#25
Isophorone
Concen: 50.674 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion: 82 Resp: 545788
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#





#38

1-Methylnaphthalene

Concen: 0.037 ng

RT: 9.239 min Scan# 1154

Delta R.T. 0.259 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

Instrument :

BNA_F

ClientSampleId :

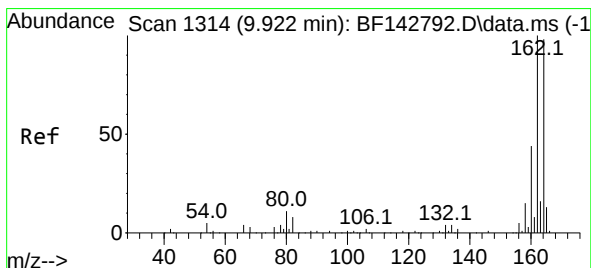
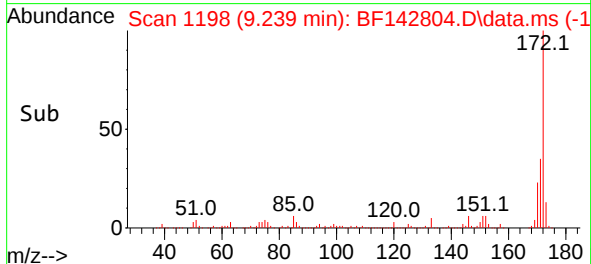
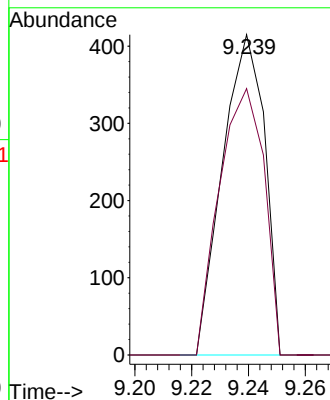
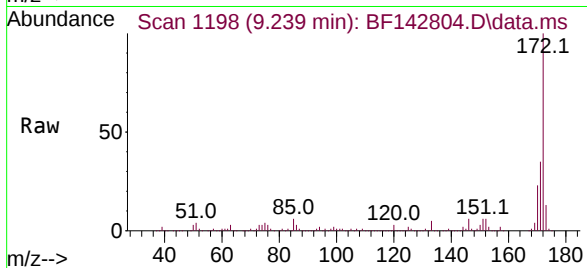
PB168514TB

Tgt Ion:142 Resp: 427

Ion Ratio Lower Upper

142 100

141 83.1 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

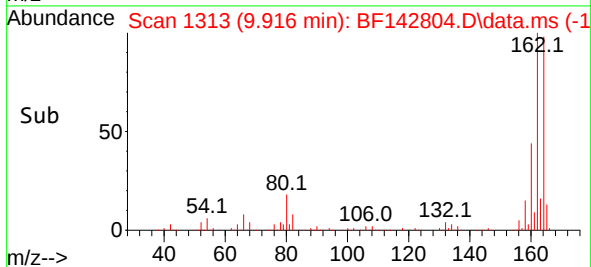
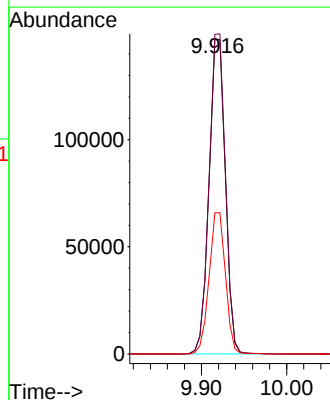
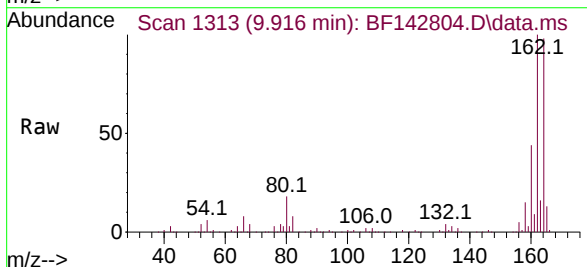
Tgt Ion:164 Resp: 195148

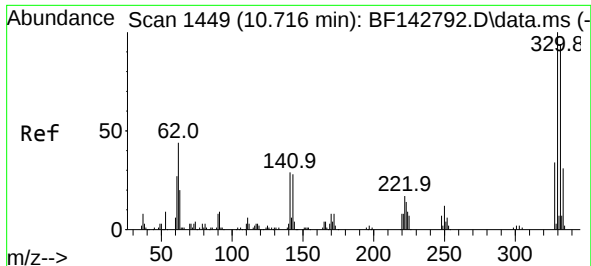
Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.8

160 44.8 36.0 54.0

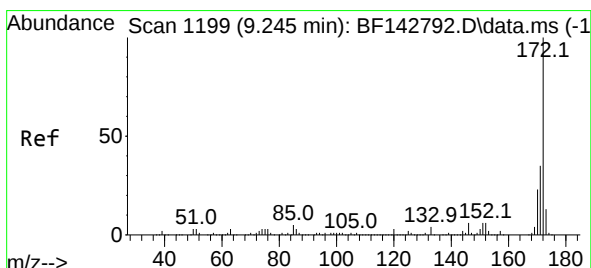
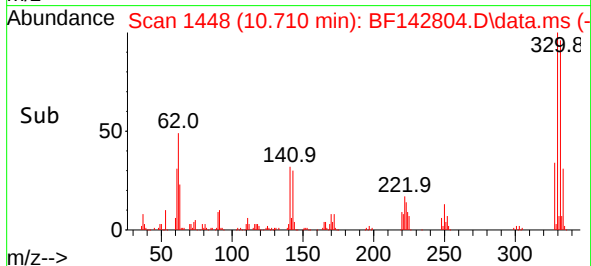
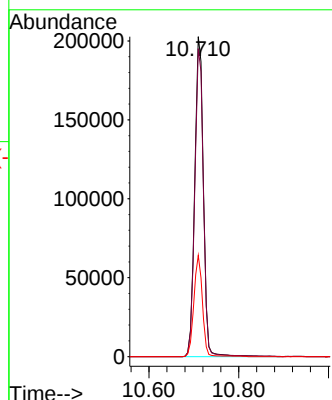
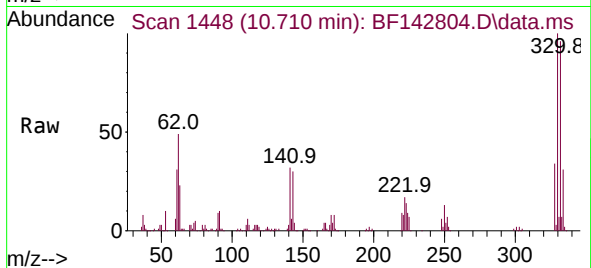




#42
2,4,6-Tribromophenol
Concen: 135.173 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

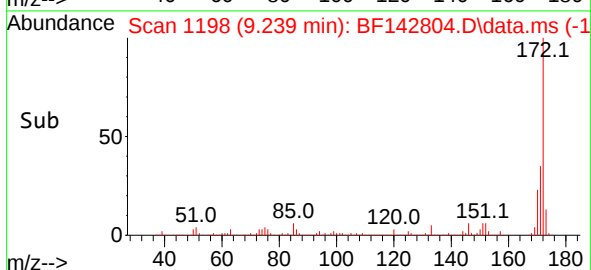
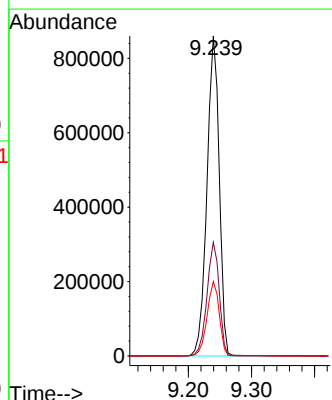
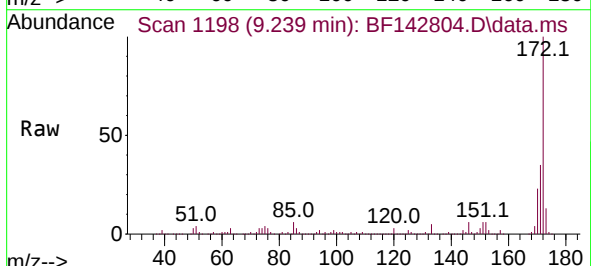
Instrument :
BNA_F
ClientSampleId :
PB168514TB

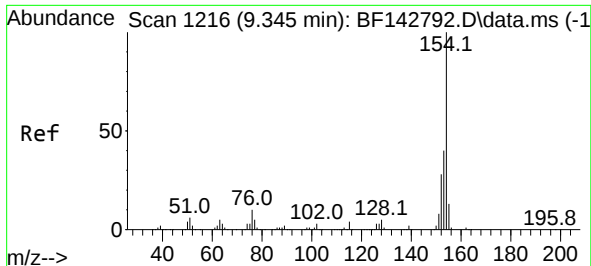
Tgt Ion:330 Resp: 271456
Ion Ratio Lower Upper
330 100
332 96.4 75.0 112.6
141 31.2 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.117 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:172 Resp: 1160444
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.2 18.5 27.7

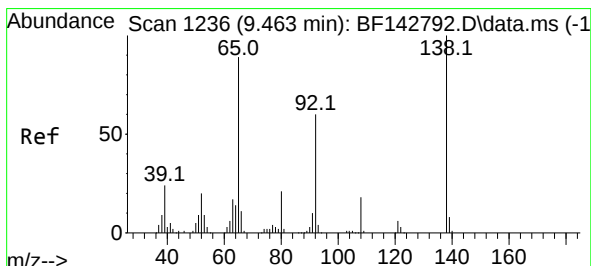
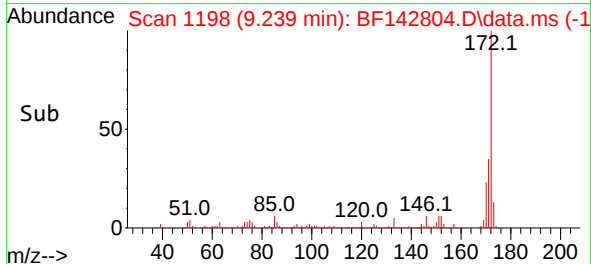
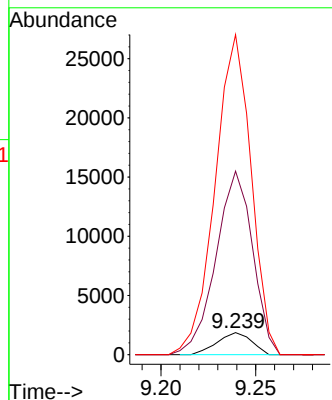
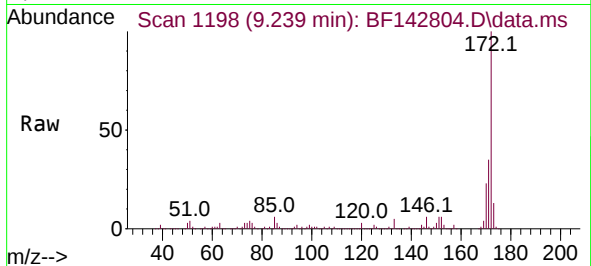




#46
1,1'-Biphenyl
Concen: 0.152 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.106 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

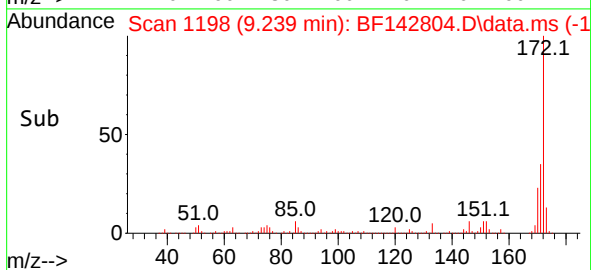
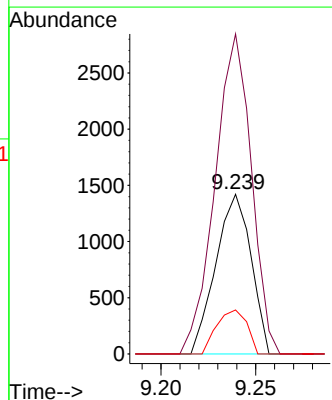
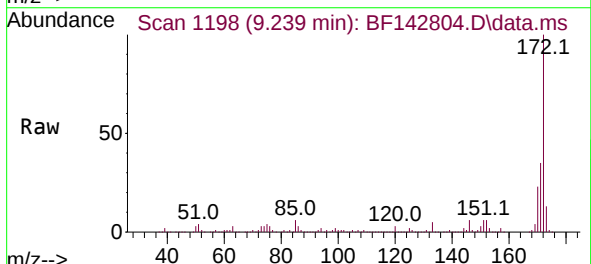
Instrument :
BNA_F
ClientSampleId :
PB168514TB

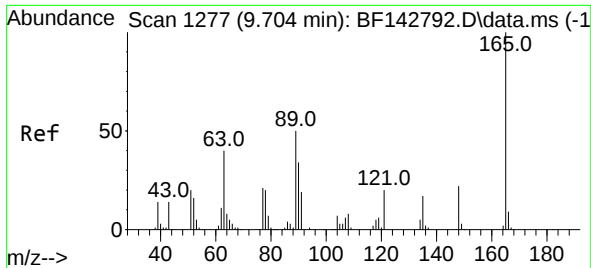
Tgt Ion:154 Resp: 2339
Ion Ratio Lower Upper
154 100
153 831.0 20.3 60.3#
76 1449.1 0.0 30.3#



#48
2-Nitroaniline
Concen: 0.566 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.223 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion: 65 Resp: 1836
Ion Ratio Lower Upper
65 100
92 200.4 53.8 80.6#
138 27.5 89.6 134.4#

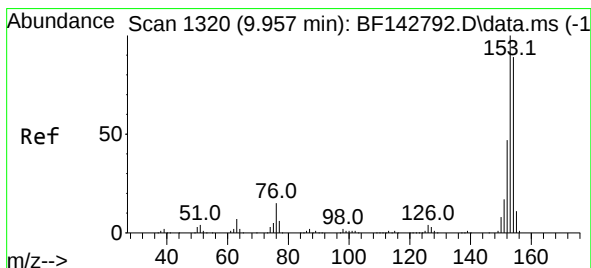
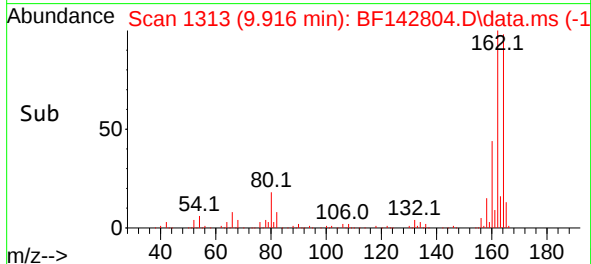
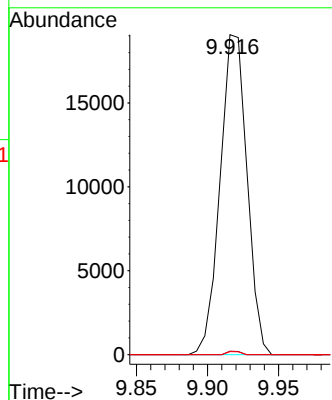
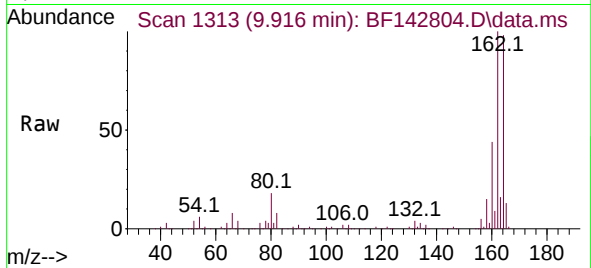




#51
2,6-Dinitrotoluene
Concen: 9.073 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

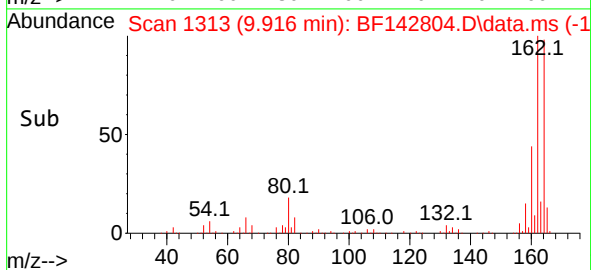
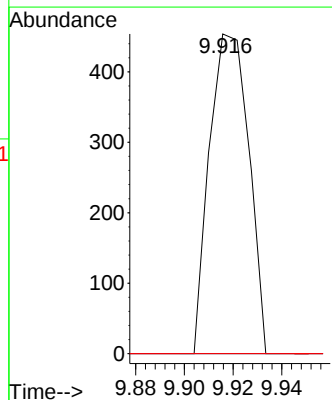
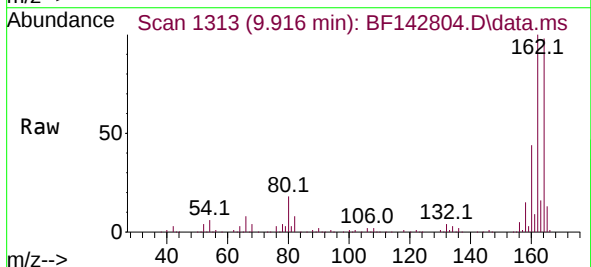
Instrument :
BNA_F
ClientSampleId :
PB168514TB

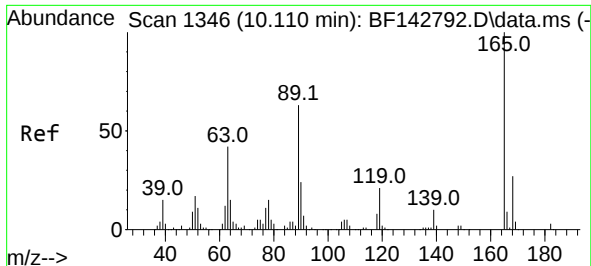
Tgt Ion:165 Resp: 25169
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 0.9 39.8 59.8#



#52
Acenaphthene
Concen: 0.044 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.041 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:154 Resp: 510
Ion Ratio Lower Upper
154 100
153 0.0 90.0 135.0#
152 0.0 41.9 62.9#

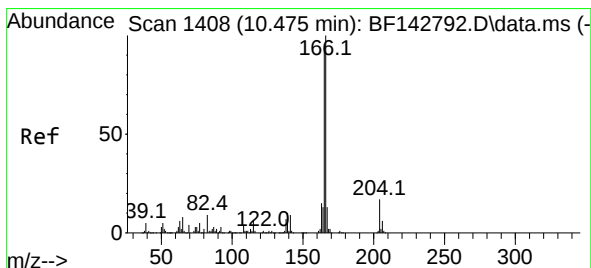
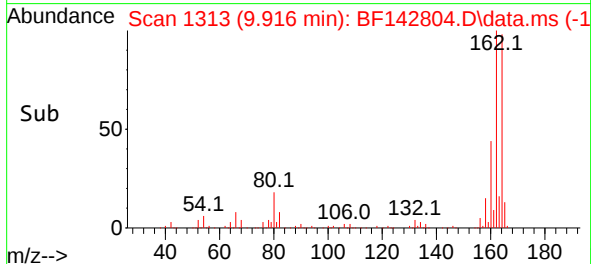
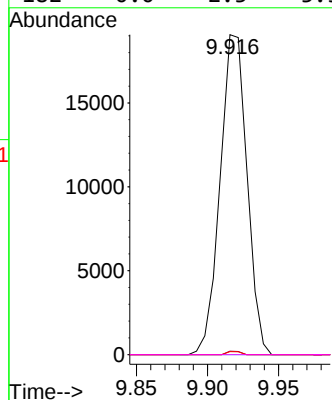
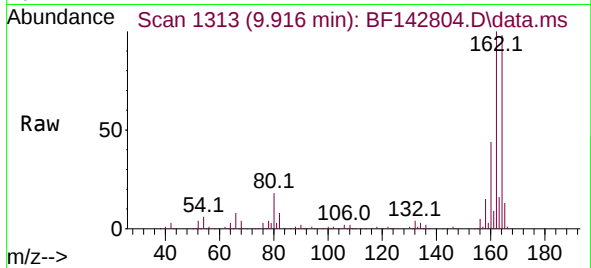




#57
2,4-Dinitrotoluene
Concen: 6.830 ng
RT: 9.916 min Scan# 1346
Delta R.T. -0.194 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

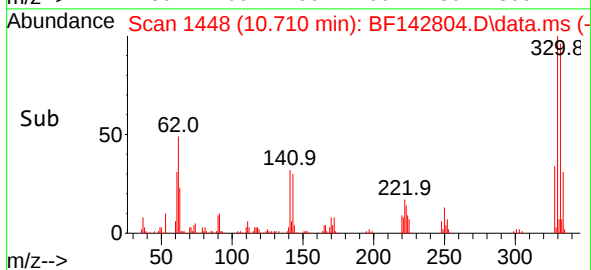
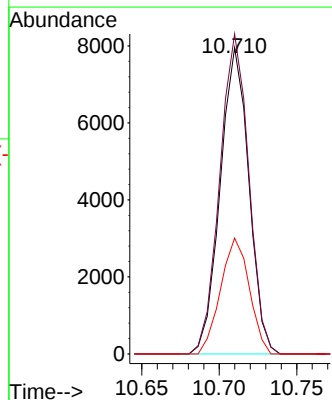
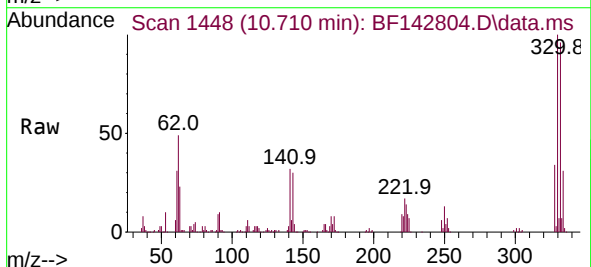
Instrument :
BNA_F
ClientSampleId :
PB168514TB

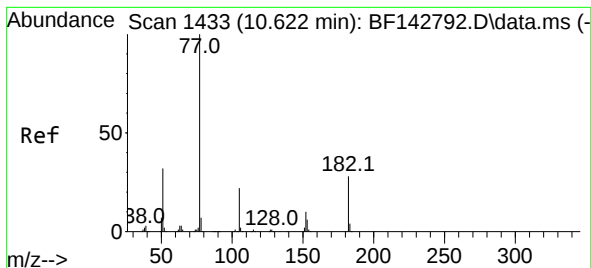
Tgt Ion:165	Resp:	25169
Ion Ratio	Lower	Upper
165	100	
63	1.1	33.9 50.9#
89	0.9	50.6 75.8#
182	0.0	2.3 3.5#



#58
Fluorene
Concen: 0.784 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.235 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:166	Resp:	10208
Ion Ratio	Lower	Upper
166	100	
165	104.5	75.2 112.8
167	37.8	10.6 15.8#





#63

Azobenzene

Concen: 0.093 ng

RT: 10.710 min Scan# 1433

Delta R.T. 0.088 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

Instrument :

BNA_F

ClientSampleId :

PB168514TB

Tgt Ion: 77 Resp: 1027

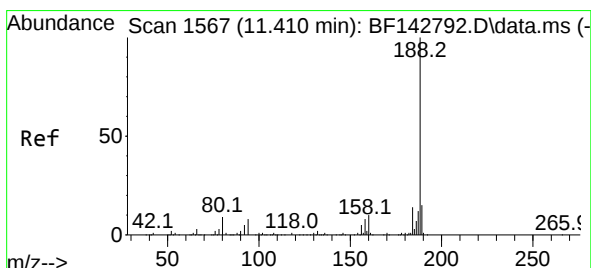
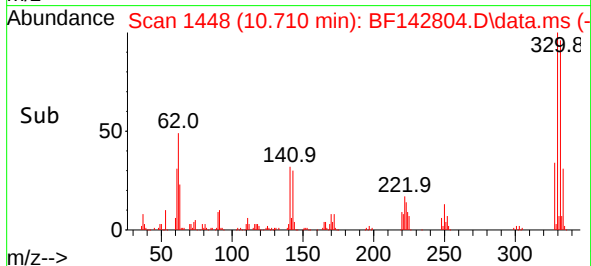
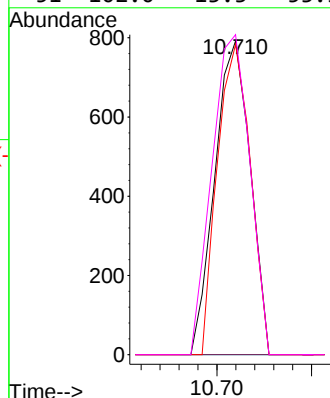
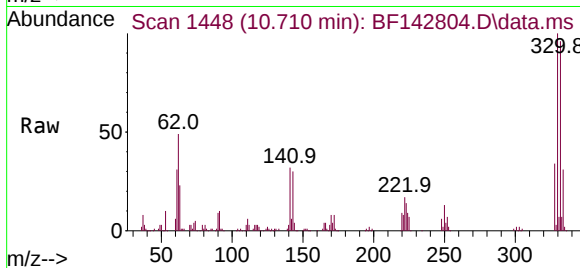
Ion Ratio Lower Upper

77 100

182 0.0 7.7 47.7#

105 98.9 1.9 41.9#

51 102.0 13.3 53.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

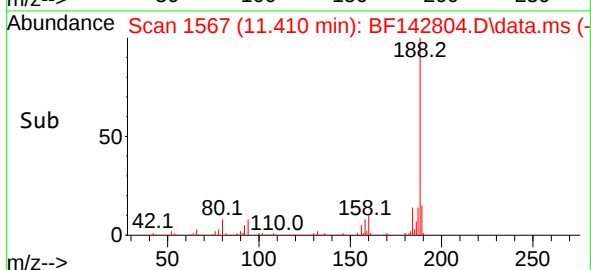
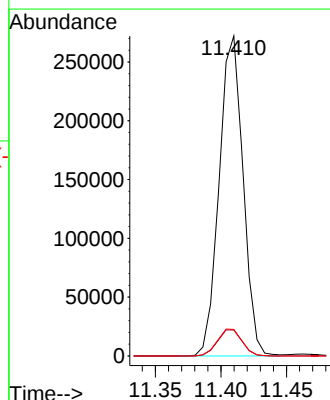
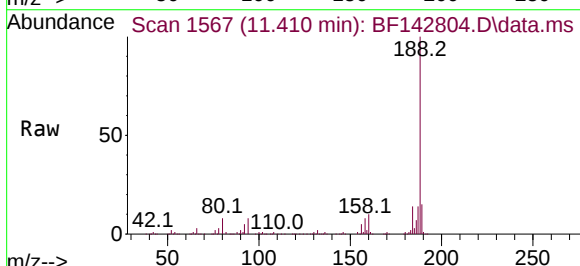
Tgt Ion: 188 Resp: 345018

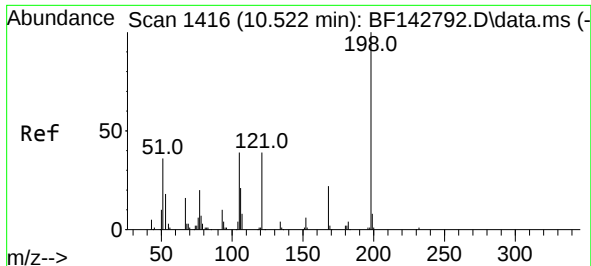
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.3 6.9 10.3

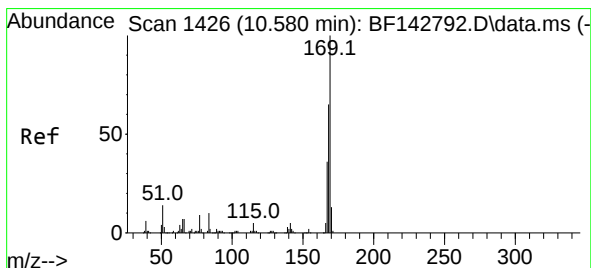
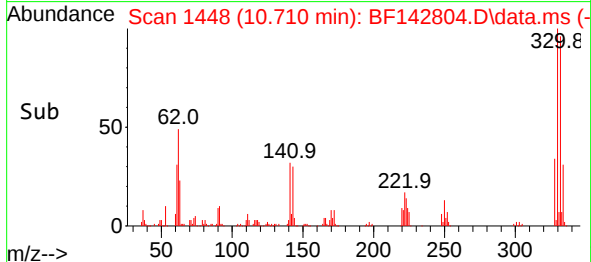
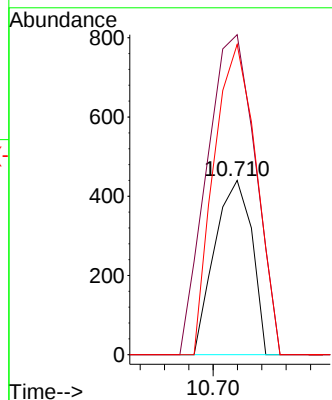
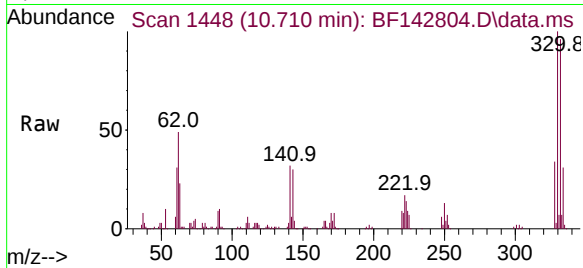




#65
4,6-Dinitro-2-methylphenol
Concen: 0.225 ng
RT: 10.710 min Scan# 1416
Delta R.T. 0.188 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

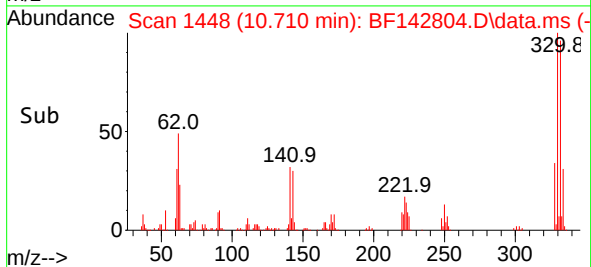
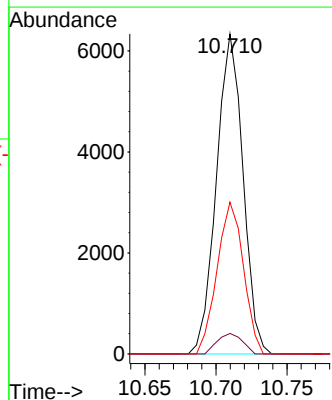
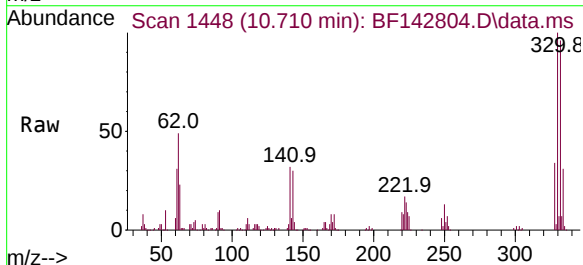
Instrument :
BNA_F
ClientSampleId :
PB168514TB

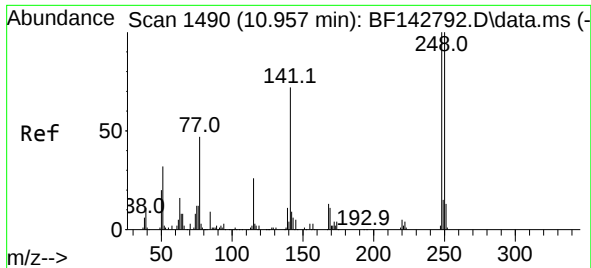
Tgt Ion:198 Resp: 469
Ion Ratio Lower Upper
198 100
51 183.6 25.4 65.4#
105 178.0 20.4 60.4#



#66
n-Nitrosodiphenylamine
Concen: 0.688 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.129 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

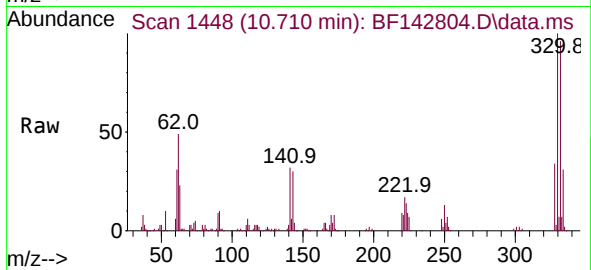
Tgt Ion:169 Resp: 8232
Ion Ratio Lower Upper
169 100
168 6.4 51.9 77.9#
167 47.4 28.5 42.7#



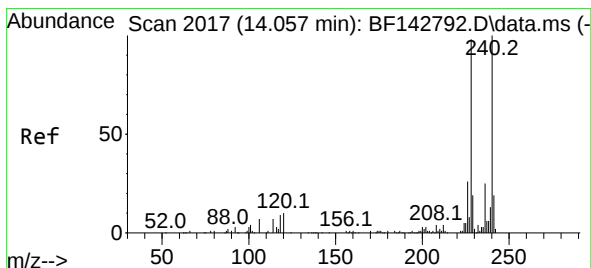
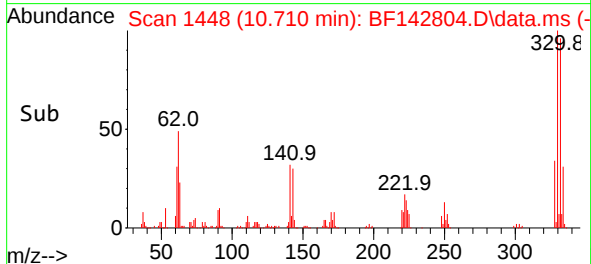
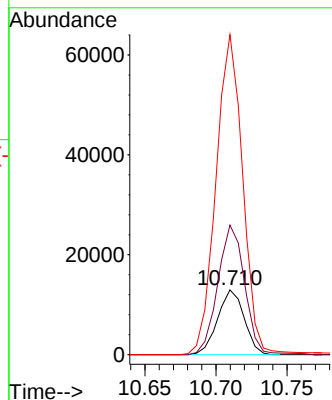


#67
4-Bromophenyl-phenylether
Concen: 4.284 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Instrument :
BNA_F
ClientSampleId :
PB168514TB

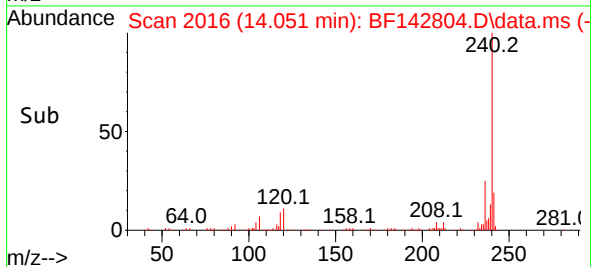
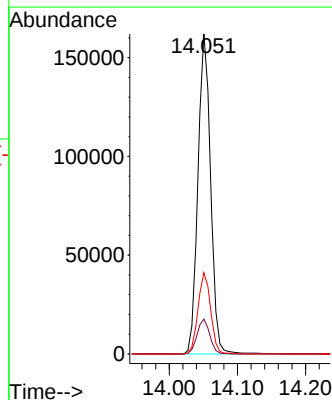
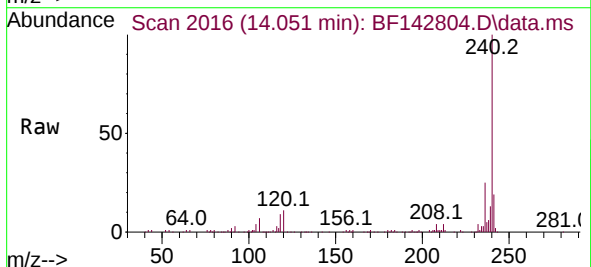


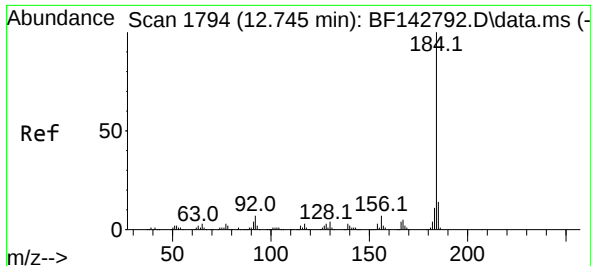
Tgt Ion:248 Resp: 16823
Ion Ratio Lower Upper
248 100
250 200.2 79.8 119.8#
141 494.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:240 Resp: 208921
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.4 19.8 29.8

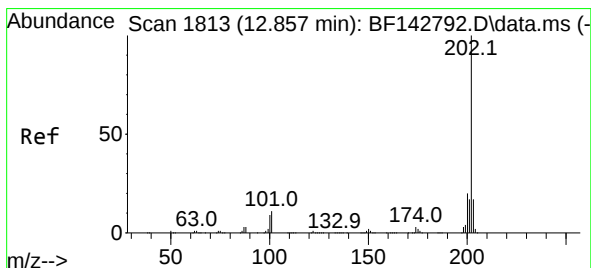
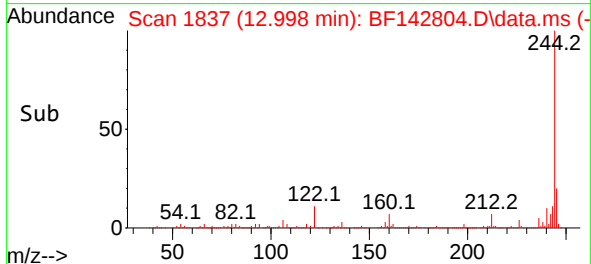
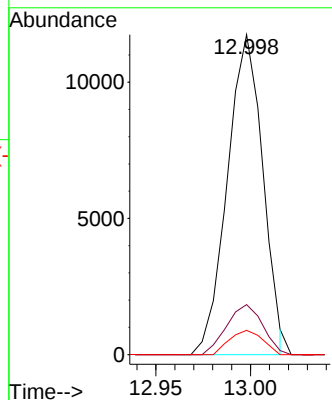
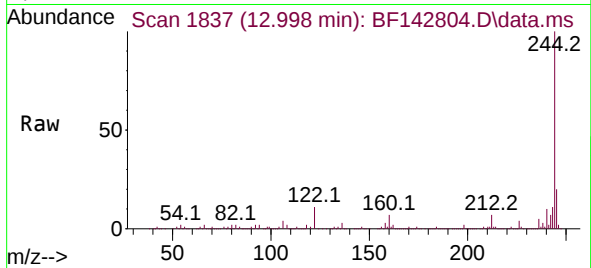




#77
Benzidine
Concen: 1.949 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

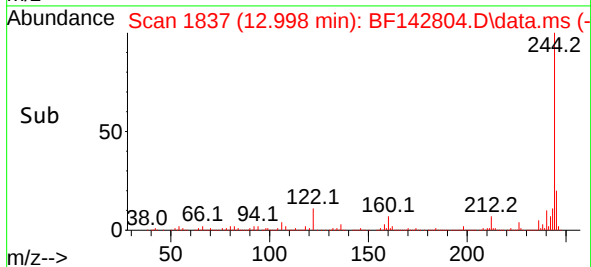
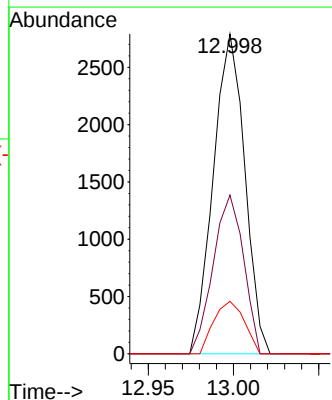
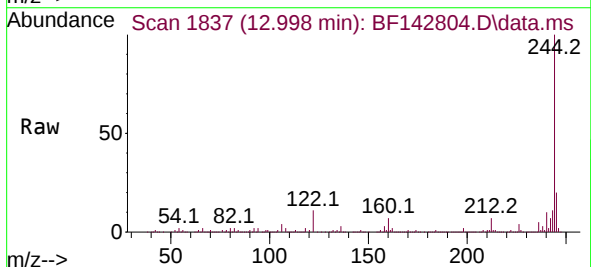
Instrument :
BNA_F
ClientSampleId :
PB168514TB

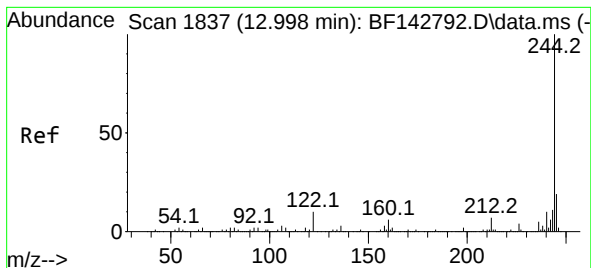
Tgt Ion:184 Resp: 15295
Ion Ratio Lower Upper
184 100
185 15.6 11.5 17.3
183 7.6 9.0 13.4#



#78
Pyrene
Concen: 0.183 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.141 min
Lab File: BF142804.D
Acq: 23 Jun 2025 13:43

Tgt Ion:202 Resp: 3582
Ion Ratio Lower Upper
202 100
200 49.6 15.7 23.5#
203 16.4 13.8 20.6





#79

Terphenyl-d14

Concen: 80.261 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

Instrument :

BNA_F

ClientSampleId :

PB168514TB

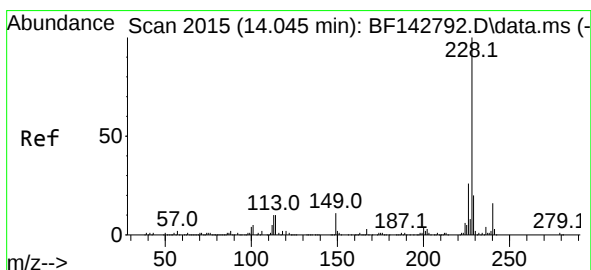
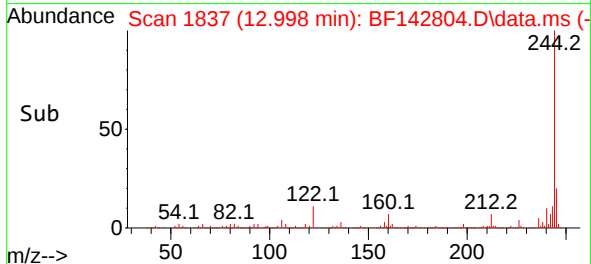
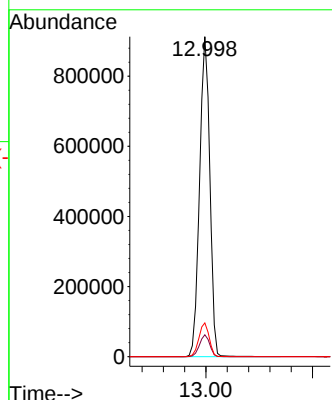
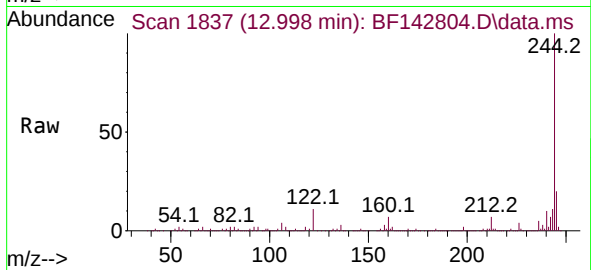
Tgt Ion:244 Resp: 1213587

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.5 8.2 12.2



#81

Benzo(a)anthracene

Concen: 0.039 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

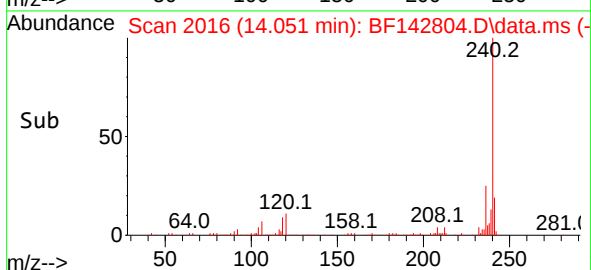
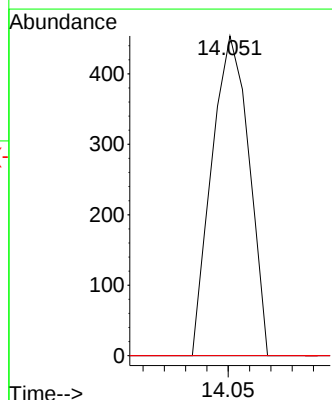
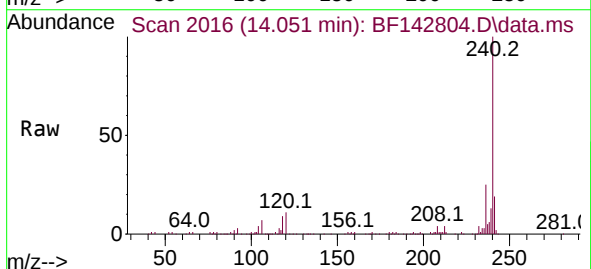
Tgt Ion:228 Resp: 550

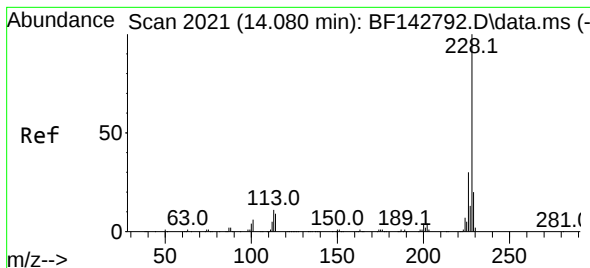
Ion Ratio Lower Upper

228 100

226 0.0 21.2 31.8#

229 0.0 15.6 23.4#





#83

Chrysene

Concen: 0.044 ng

RT: 14.051 min Scan# 2021

Delta R.T. -0.029 min

Lab File: BF142804.D

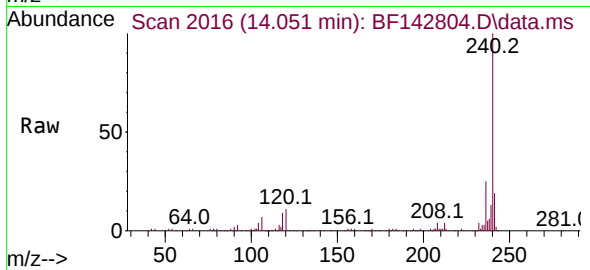
Acq: 23 Jun 2025 13:43

Instrument :

BNA_F

ClientSampleId :

PB168514TB



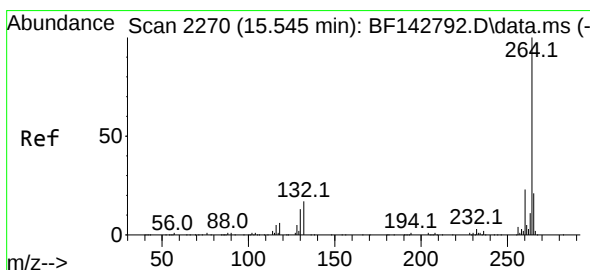
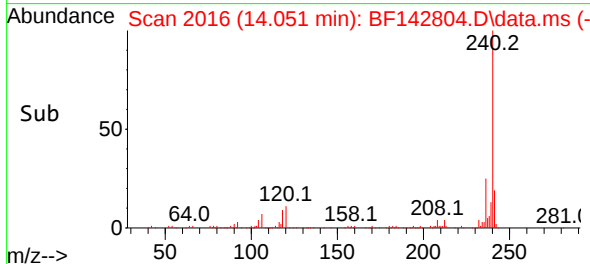
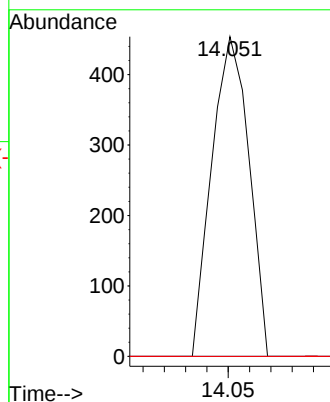
Tgt Ion:228 Resp: 550

Ion Ratio Lower Upper

228 100

226 0.0 23.7 35.5#

229 0.0 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142804.D

Acq: 23 Jun 2025 13:43

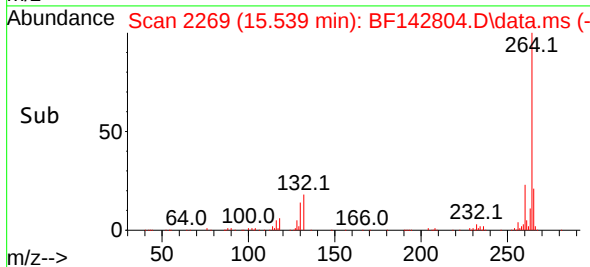
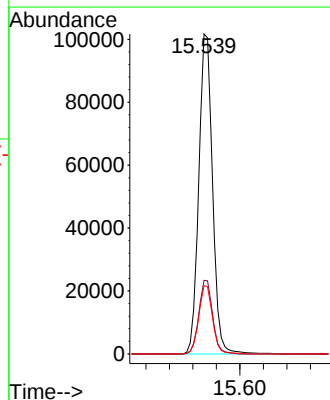
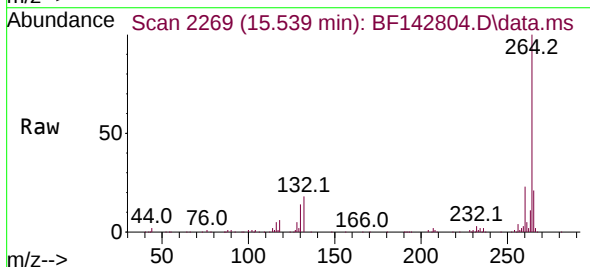
Tgt Ion:264 Resp: 164942

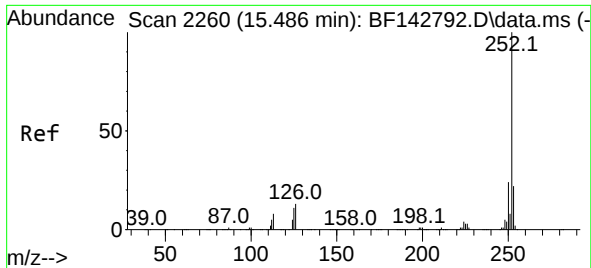
Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

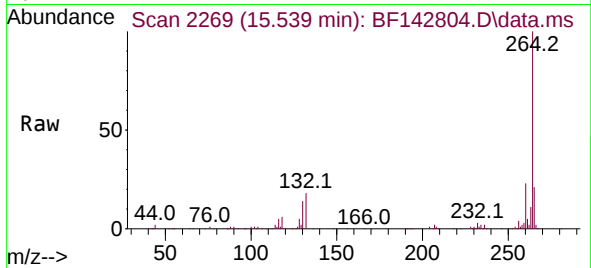
265 21.4 16.6 25.0





#90
 Benzo(a)pyrene
 Concen: 0.041 ng
 RT: 15.539 min Scan# 21
 Delta R.T. 0.053 min
 Lab File: BF142804.D
 Acq: 23 Jun 2025 13:43

Instrument :
 BNA_F
 ClientSampleId :
 PB168514TB



Tgt Ion:	252	Resp:	381
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.5	26.3#
125	0.0	8.6	12.8#

