

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062325\
 Data File : BF142801.D
 Acq On : 23 Jun 2025 12:12
 Operator : RC/JU
 Sample : PB168570BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168570BL

Quant Time: Jun 24 06:38:54 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)

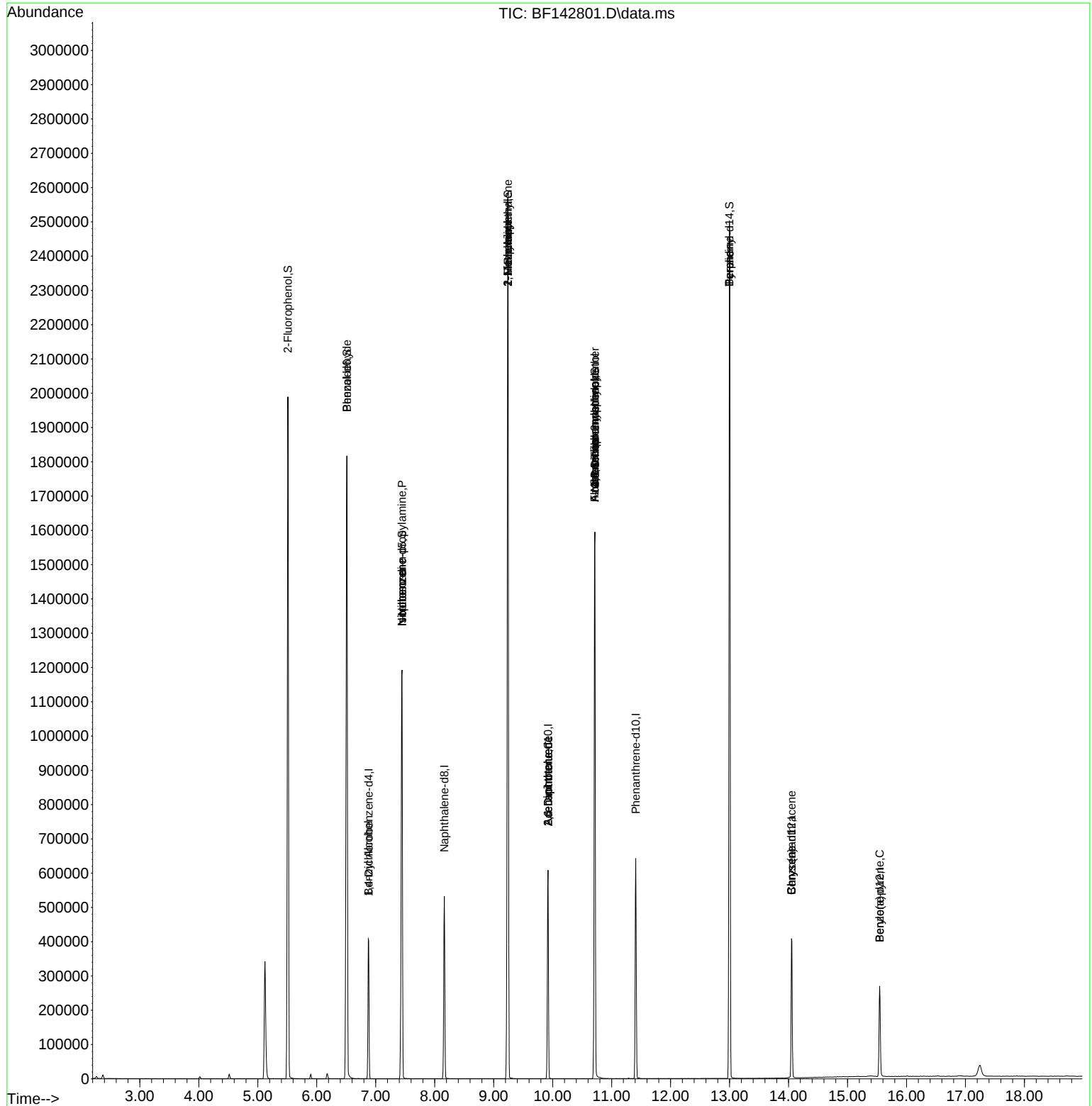
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	92887	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	357779	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	192744	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	333657	20.000	ng	0.00
76) Chrysene-d12	14.051	240	209605	20.000	ng	0.00
86) Perylene-d12	15.545	264	160422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	807192	144.683	ng	0.02
7) Phenol-d6	6.510	99	971941	147.662	ng	0.00
23) Nitrobenzene-d5	7.445	82	604392	92.659	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	305539	154.043	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1250128	85.204	ng	0.00
79) Terphenyl-d14	12.998	244	1306581	86.129	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	1334	0.342	ng	# 1
15) Benzyl Alcohol	6.875	79	2077	0.436	ng	# 22
19) n-Nitroso-di-n-propyla...	7.445	70	81745	21.353	ng	# 74
24) Nitrobenzene	7.445	77	1936	0.328	ng	# 38
25) Isophorone	7.445	82	600646	57.404	ng	# 62
38) 1-Methylnaphthalene	9.239	142	551	0.049	ng	# 86
46) 1,1'-Biphenyl	9.239	154	2253	0.148	ng	# 1
48) 2-Nitroaniline	9.239	65	1910	0.596	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	23399	8.540	ng	# 27
52) Acenaphthene	9.922	154	497	0.043	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	23399	6.429	ng	# 28
58) Fluorene	10.710	166	12125	0.943	ng	# 91
63) Azobenzene	10.710	77	1266	0.116	ng	# 7
65) 4,6-Dinitro-2-methylph...	10.716	198	524	0.260	ng	# 1
66) n-Nitrosodiphenylamine	10.710	169	8616	0.745	ng	# 44
67) 4-Bromophenyl-phenylether	10.716	248	18708	4.927	ng	# 1
77) Benzidine	12.998	184	16712	2.122	ng	# 94
78) Pyrene	12.998	202	4334	0.221	ng	# 71
81) Benzo(a)anthracene	14.051	228	401	0.028	ng	# 52
83) Chrysene	14.051	228	401	0.032	ng	# 50
90) Benzo(a)pyrene	15.545	252	379	0.042	ng	# 60

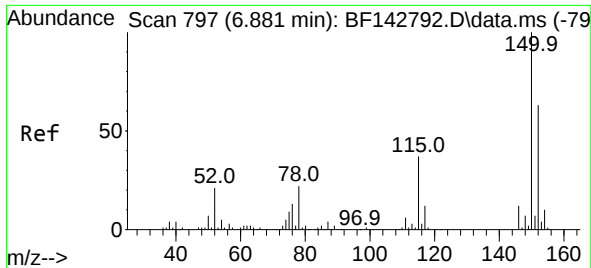
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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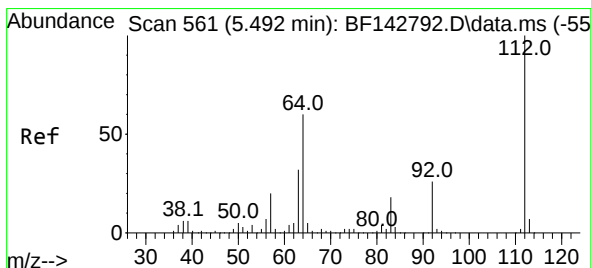
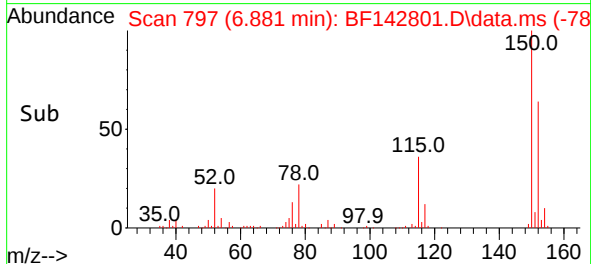
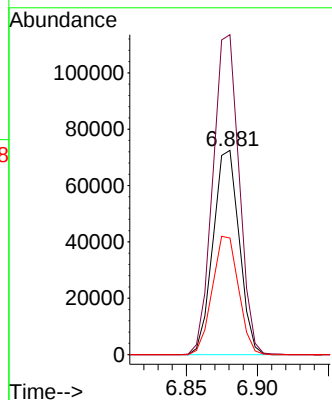
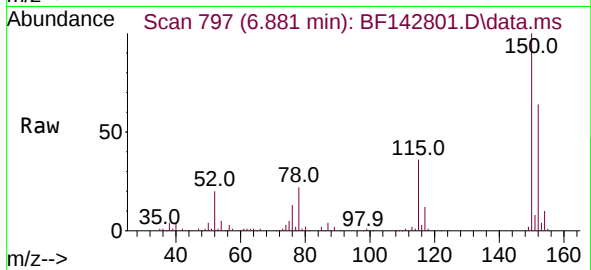




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

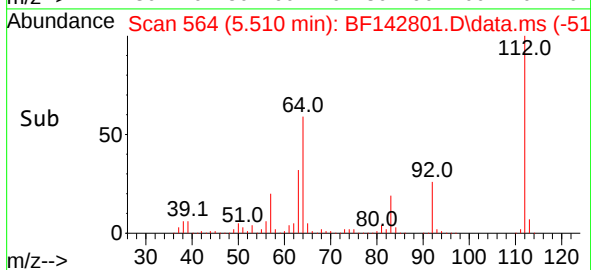
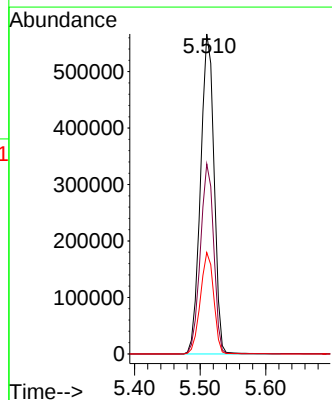
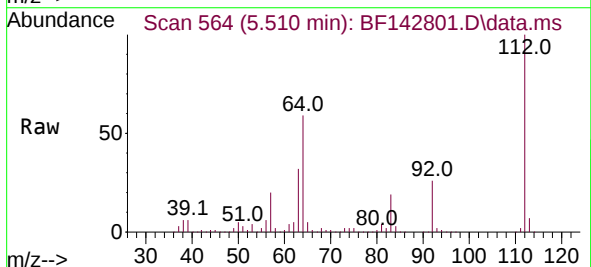
Instrument :
BNA_F
ClientSampleId :
PB168570BL

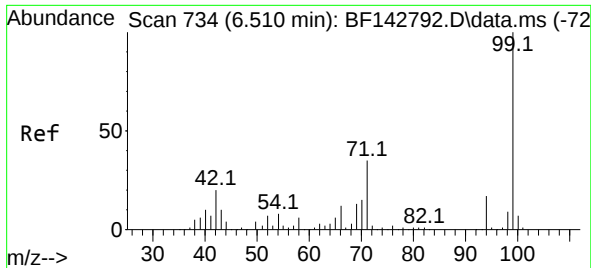
Tgt Ion:152 Resp: 92887
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 57.0 46.6 69.8



#5
2-Fluorophenol
Concen: 144.683 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:112 Resp: 807192
Ion Ratio Lower Upper
112 100
64 59.4 48.2 72.2
63 31.7 25.7 38.5

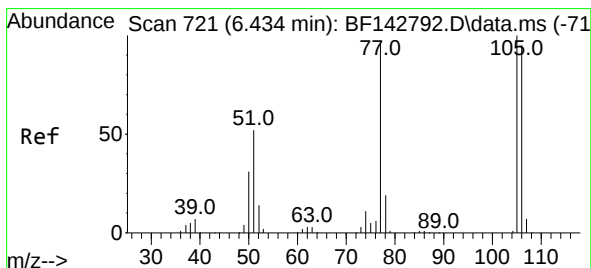
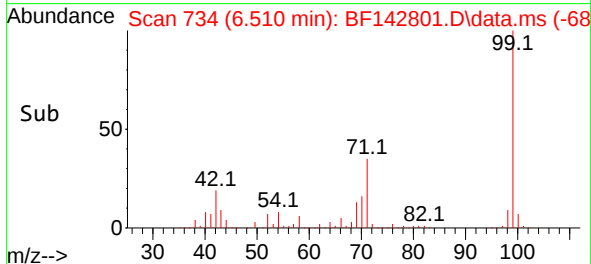
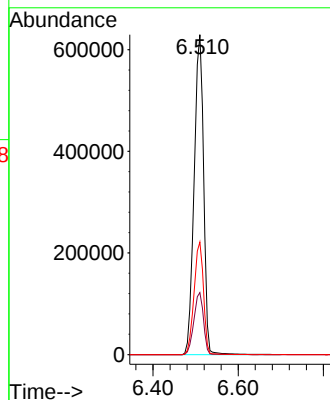
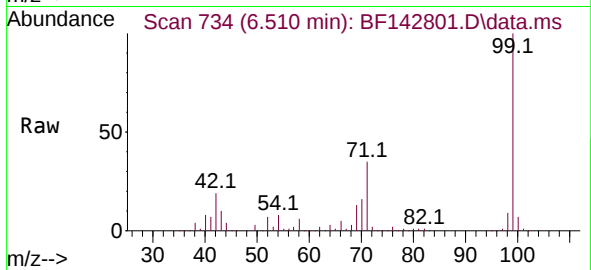




#7
Phenol-d6
Concen: 147.662 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

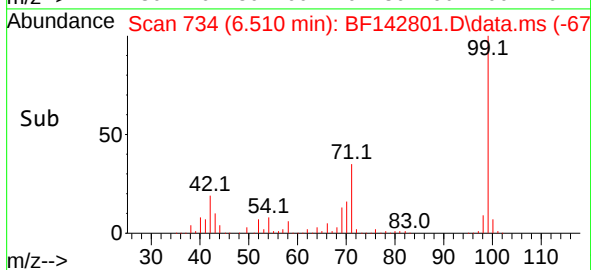
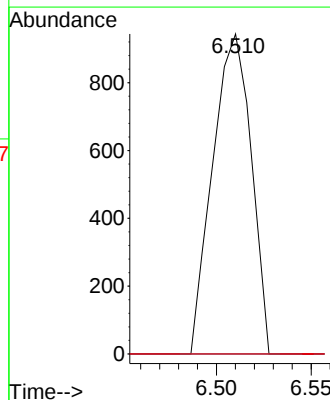
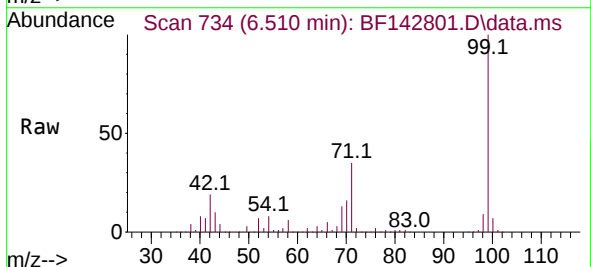
Instrument :
BNA_F
ClientSampleId :
PB168570BL

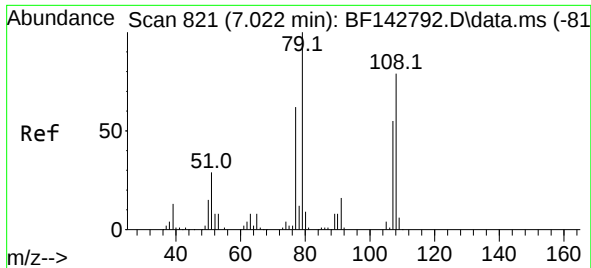
Tgt Ion: 99 Resp: 971941
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.2 27.8 41.8



#9
Benzaldehyde
Concen: 0.342 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.076 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 77 Resp: 1334
Ion Ratio Lower Upper
77 100
105 0.0 83.8 123.8#
106 0.0 78.7 118.7#

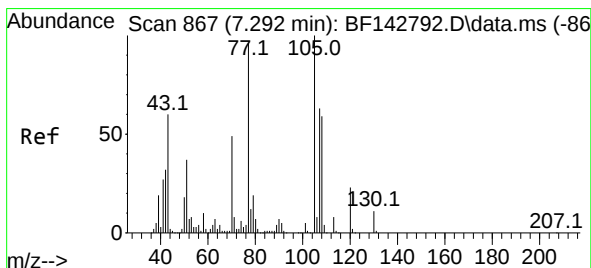
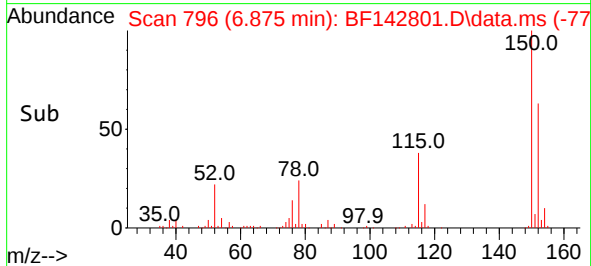
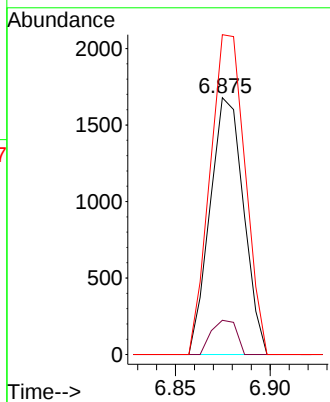
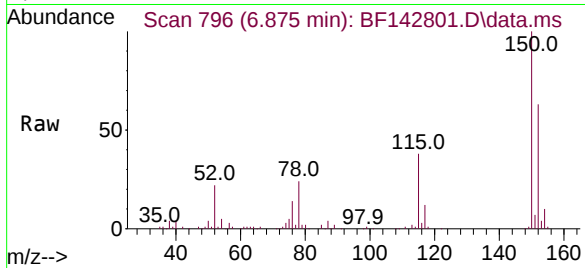




#15
Benzyl Alcohol
Concen: 0.436 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.147 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

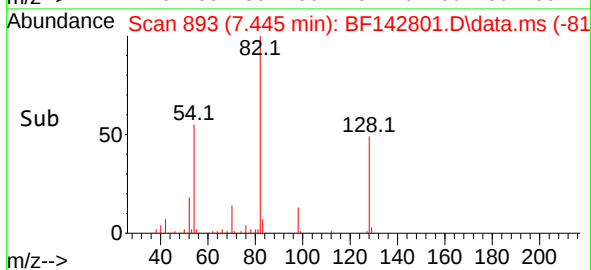
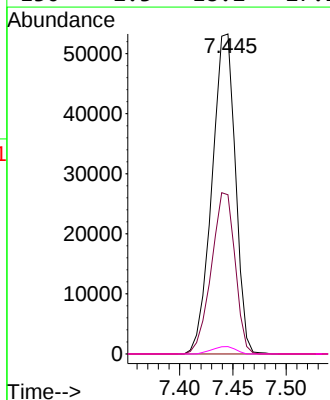
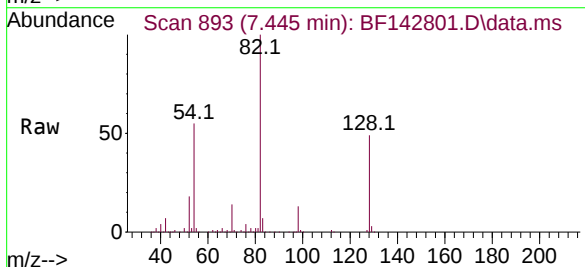
Instrument :
BNA_F
ClientSampleId :
PB168570BL

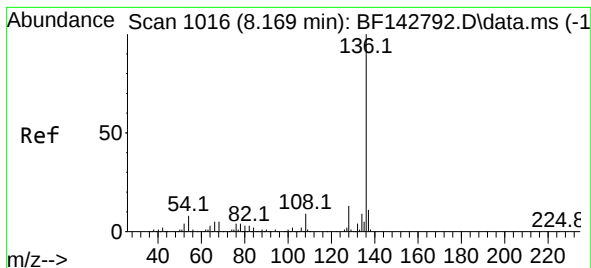
Tgt Ion: 79 Resp: 2077
Ion Ratio Lower Upper
79 100
108 13.3 63.4 95.0#
77 124.5 49.5 74.3#



#19
n-Nitroso-di-n-propylamine
Concen: 21.353 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.153 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 70 Resp: 81745
Ion Ratio Lower Upper
70 100
42 49.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 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: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL

Tgt Ion:136 Resp: 357779

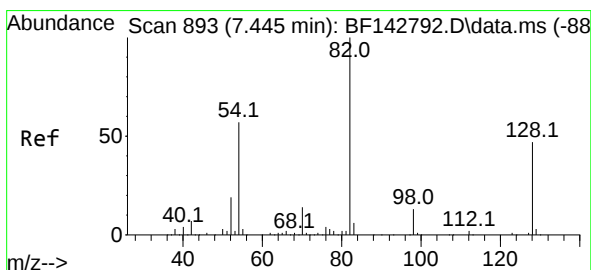
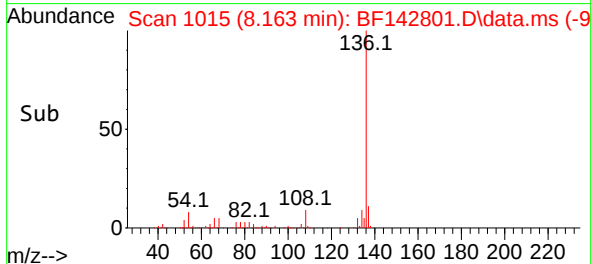
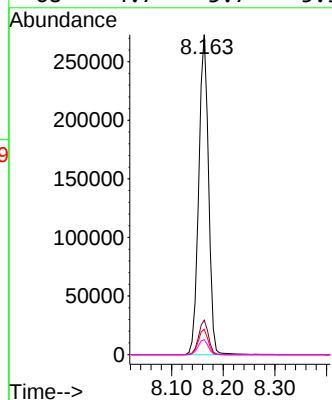
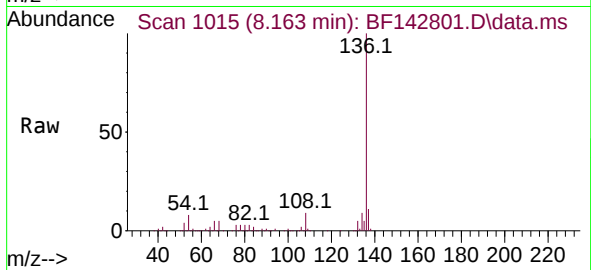
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.9 6.3 9.5

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 92.659 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

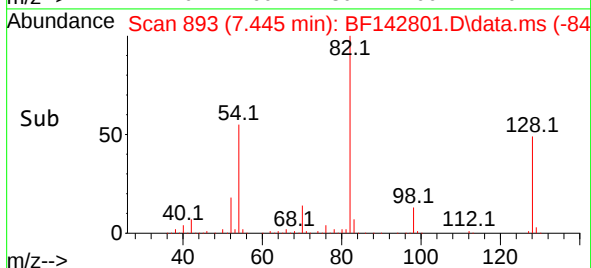
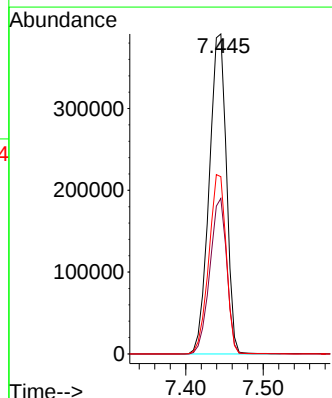
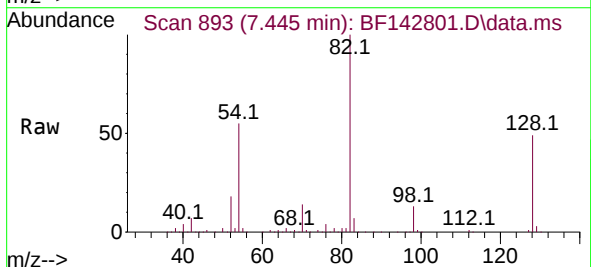
Tgt Ion: 82 Resp: 604392

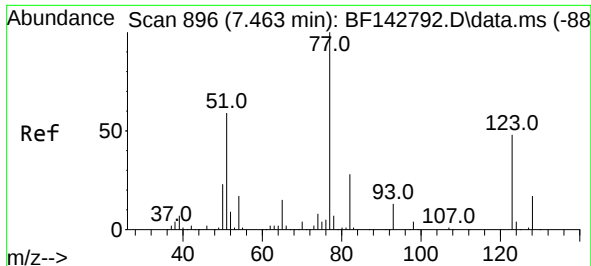
Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 55.4 45.7 68.5

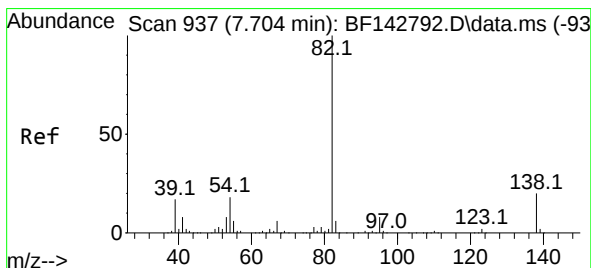
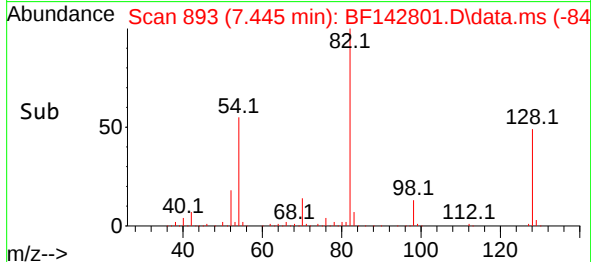
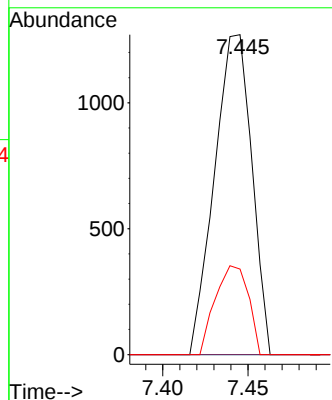
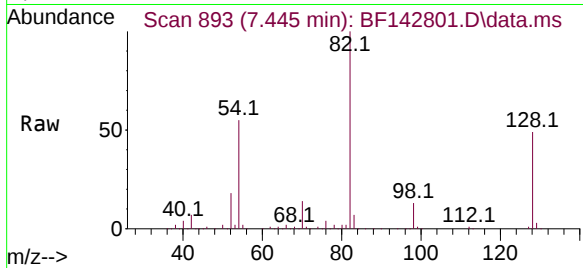




#24
Nitrobenzene
Concen: 0.328 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

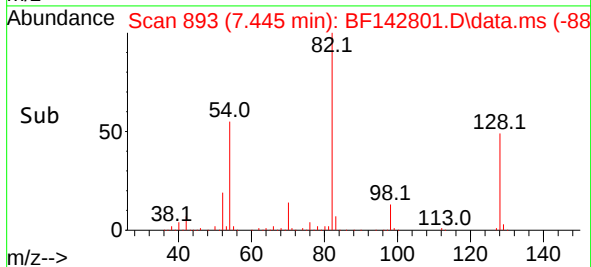
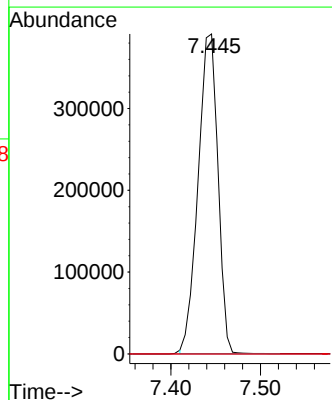
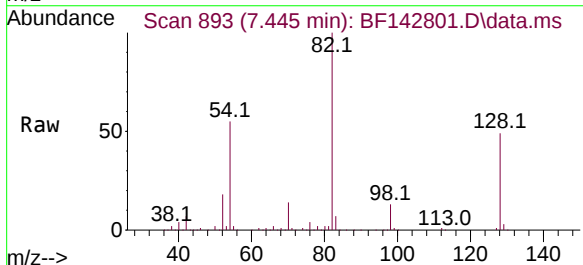
Instrument :
BNA_F
ClientSampleId :
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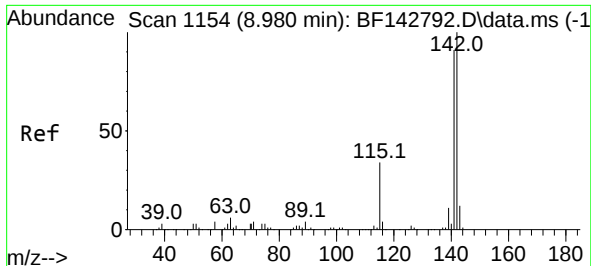
Tgt Ion: 77 Resp: 1936
Ion Ratio Lower Upper
77 100
123 0.0 39.2 58.8#
65 26.8 11.6 17.4#



#25
Isophorone
Concen: 57.404 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.259 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 82 Resp: 600646
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#





#38

1-Methylnaphthalene

Concen: 0.049 ng

RT: 9.239 min Scan# 1154

Delta R.T. 0.259 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

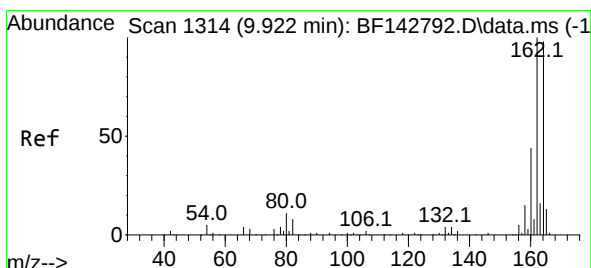
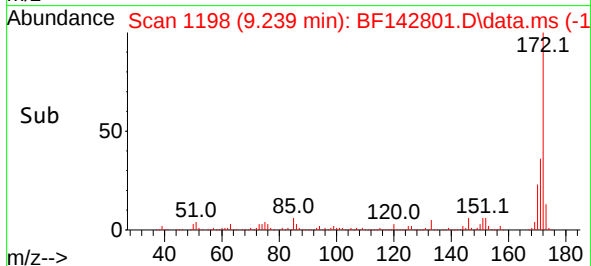
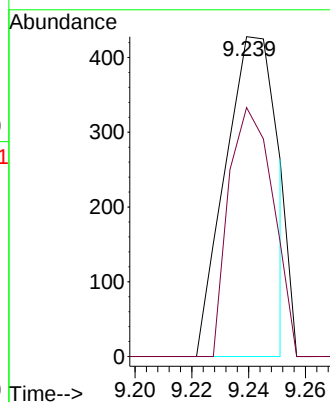
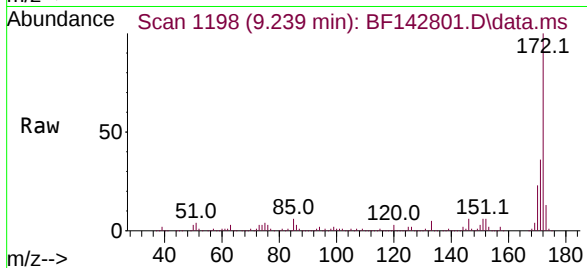
PB168570BL

Tgt Ion:142 Resp: 551

Ion Ratio Lower Upper

142 100

141 77.8 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

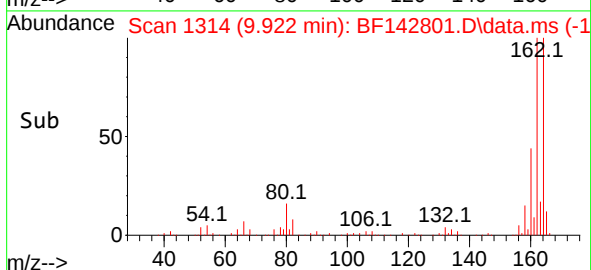
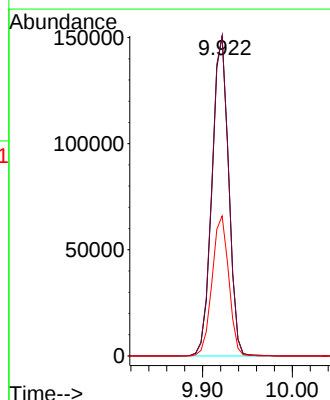
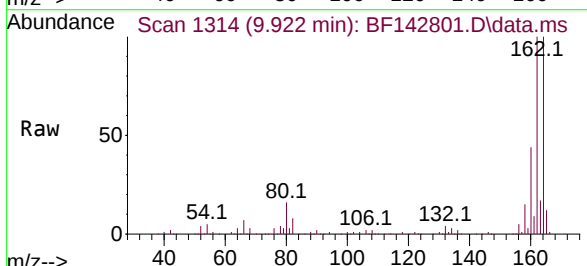
Tgt Ion:164 Resp: 192744

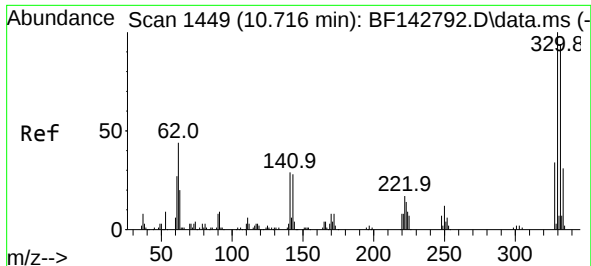
Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.8

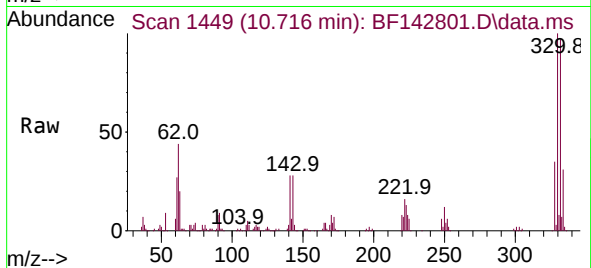
160 43.8 36.0 54.0



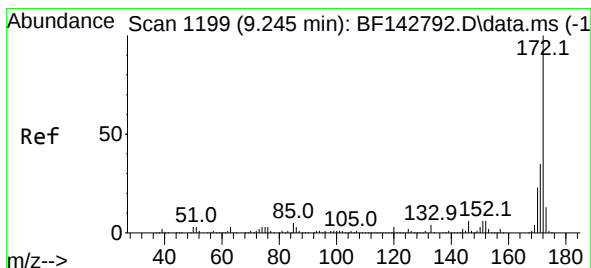
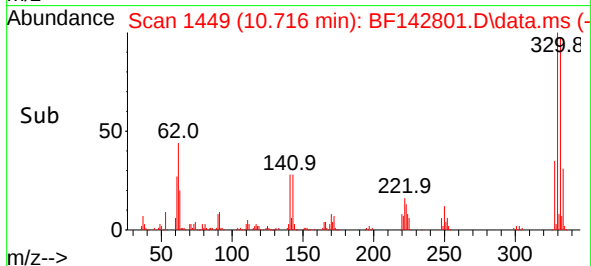
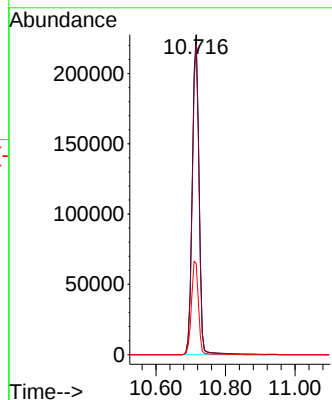


#42
2,4,6-Tribromophenol
Concen: 154.043 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Instrument :
BNA_F
ClientSampleId :
PB168570BL

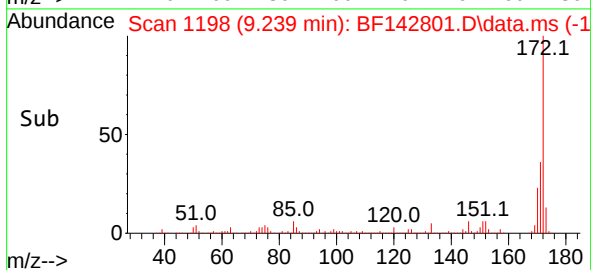
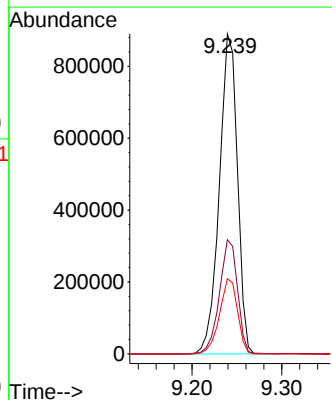
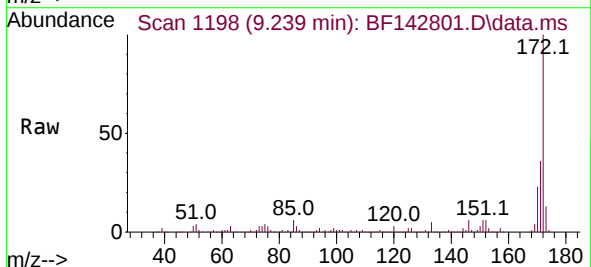


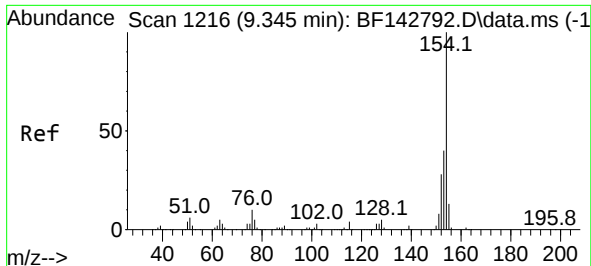
Tgt Ion:330 Resp: 305539
Ion Ratio Lower Upper
330 100
332 96.2 75.0 112.6
141 30.2 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 85.204 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:172 Resp: 1250128
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 0.148 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.106 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL

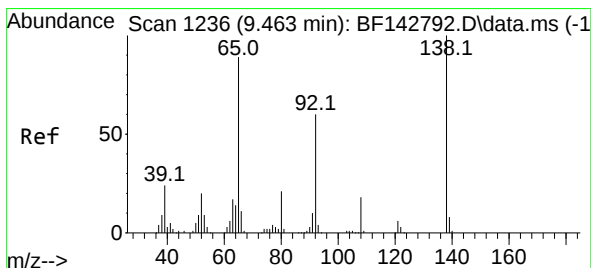
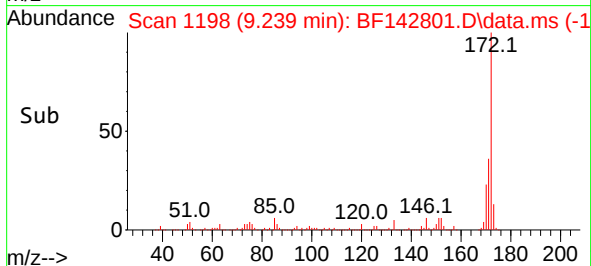
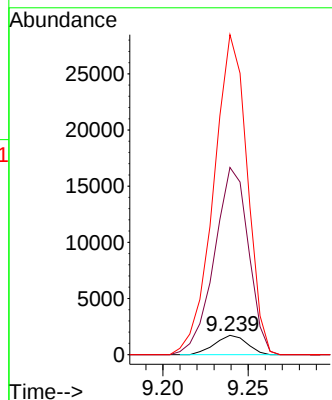
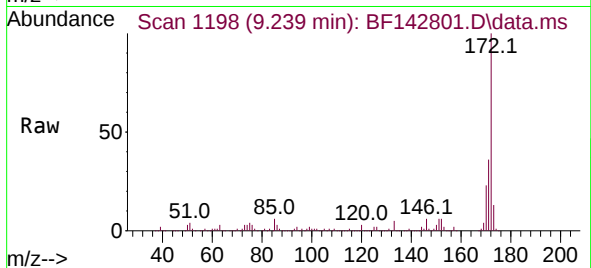
Tgt Ion:154 Resp: 2253

Ion Ratio Lower Upper

154 100

153 968.3 20.3 60.3#

76 1655.8 0.0 30.3#



#48

2-Nitroaniline

Concen: 0.596 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.223 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

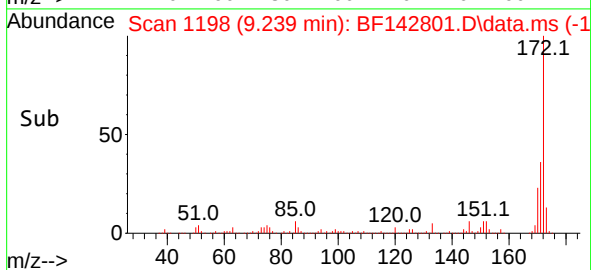
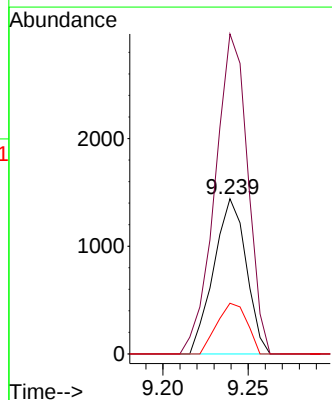
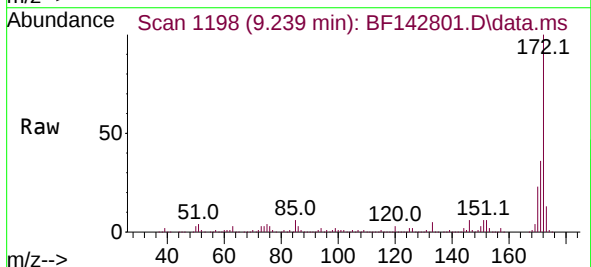
Tgt Ion: 65 Resp: 1910

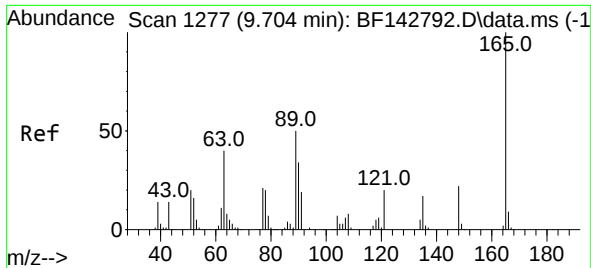
Ion Ratio Lower Upper

65 100

92 206.2 53.8 80.6#

138 32.6 89.6 134.4#

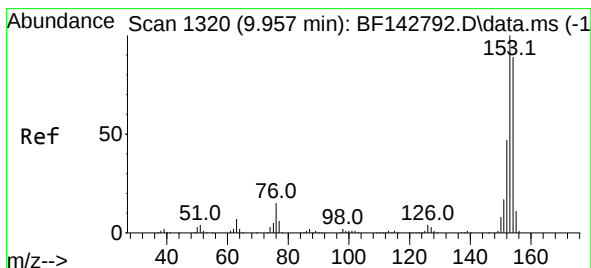
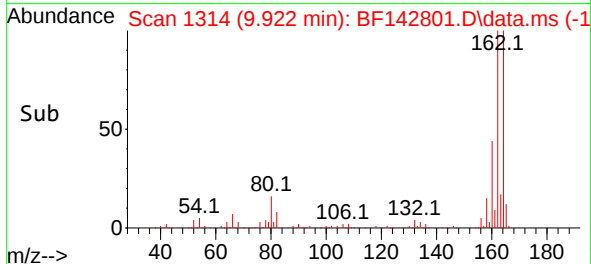
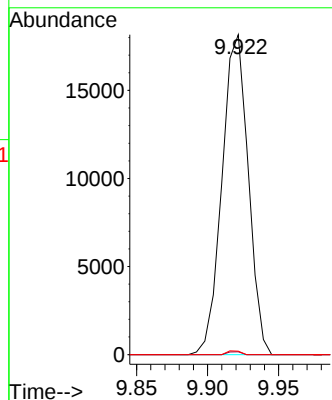
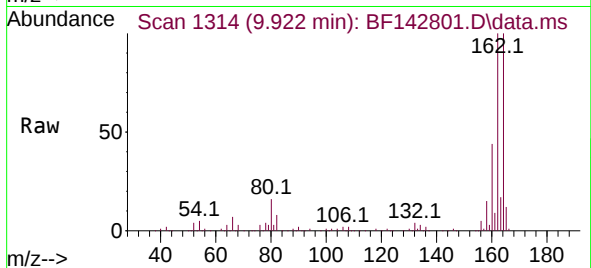




#51
2,6-Dinitrotoluene
Concen: 8.540 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

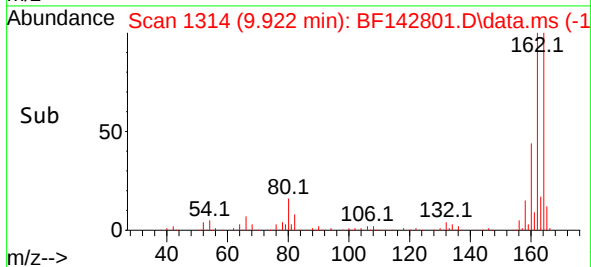
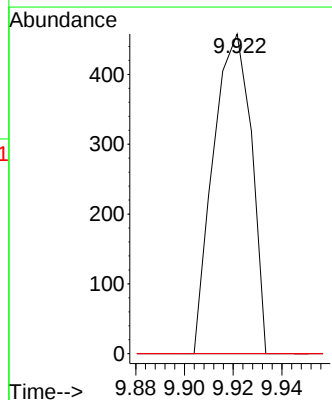
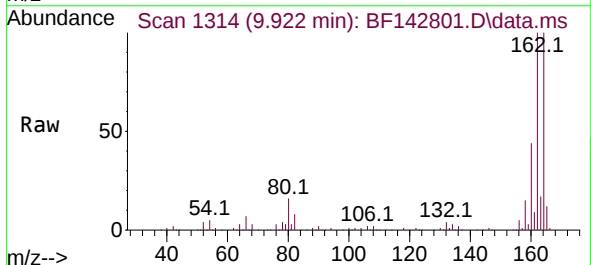
Instrument :
BNA_F
ClientSampleId :
PB168570BL

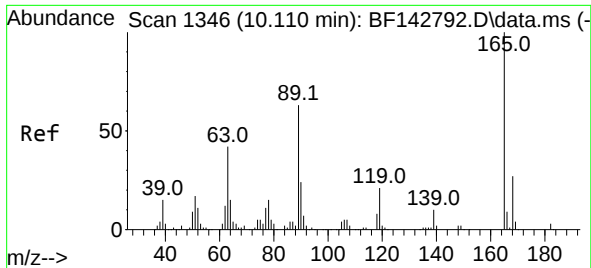
Tgt Ion:165 Resp: 23399
Ion Ratio Lower Upper
165 100
63 0.9 44.2 66.4#
89 1.1 39.8 59.8#



#52
Acenaphthene
Concen: 0.043 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.035 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:154 Resp: 497
Ion Ratio Lower Upper
154 100
153 0.0 90.0 135.0#
152 0.0 41.9 62.9#

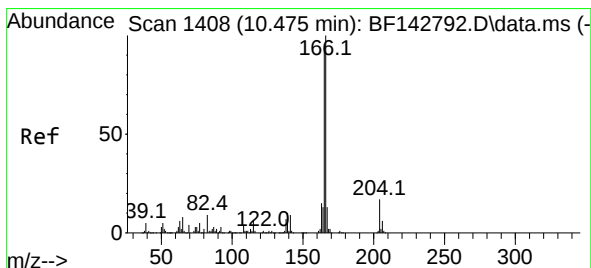
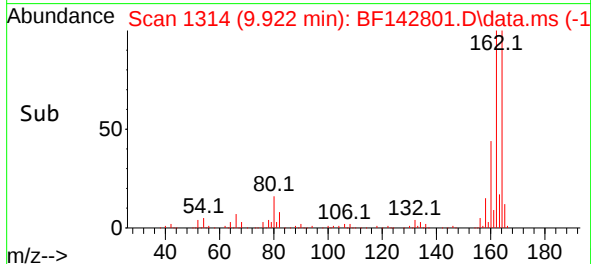
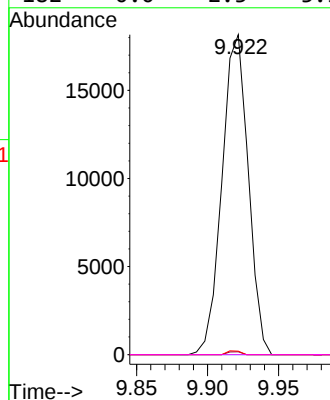
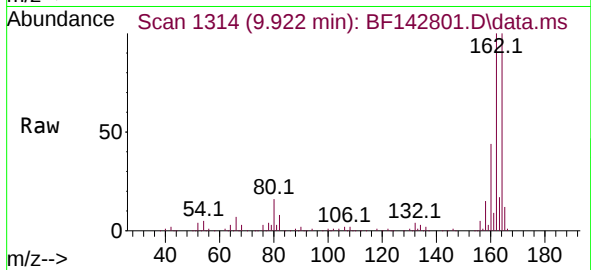




#57
2,4-Dinitrotoluene
Concen: 6.429 ng
RT: 9.922 min Scan# 1411
Delta R.T. -0.188 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

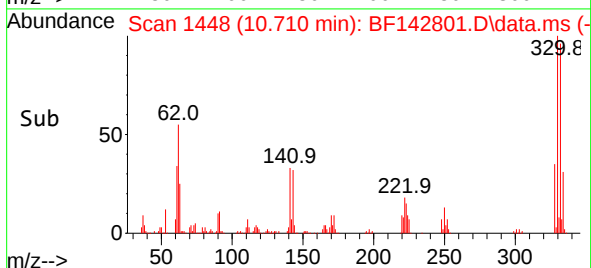
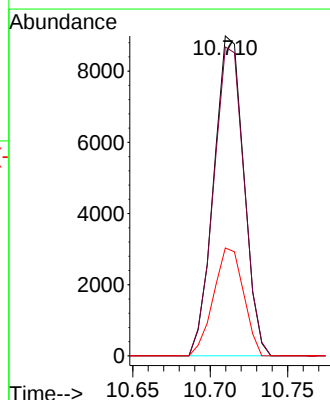
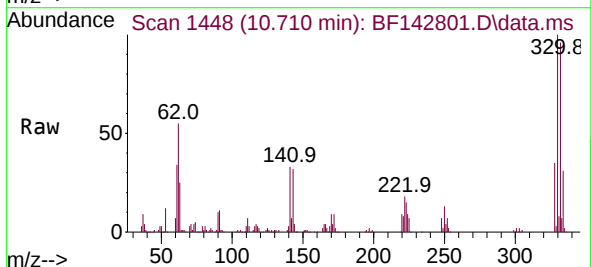
Instrument :
BNA_F
ClientSampleId :
PB168570BL

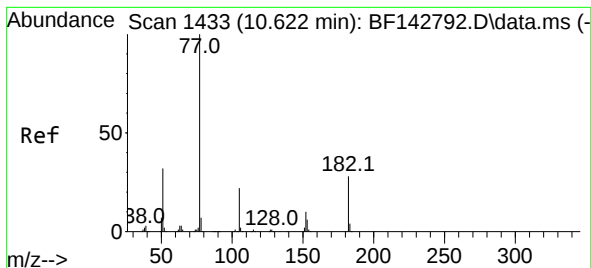
Tgt Ion:165 Resp: 23399
Ion Ratio Lower Upper
165 100
63 0.9 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#



#58
Fluorene
Concen: 0.943 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.235 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:166 Resp: 12125
Ion Ratio Lower Upper
166 100
165 96.5 75.2 112.8
167 33.7 10.6 15.8#





#63

Azobenzene

Concen: 0.116 ng

RT: 10.710 min Scan# 14

Delta R.T. 0.088 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL

Tgt Ion: 77 Resp: 1266

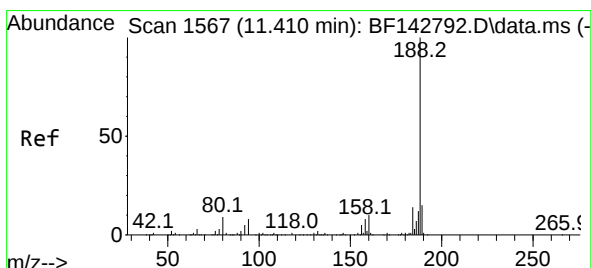
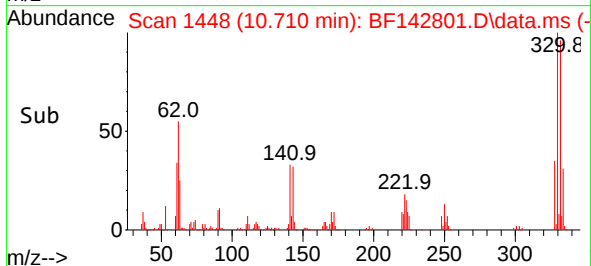
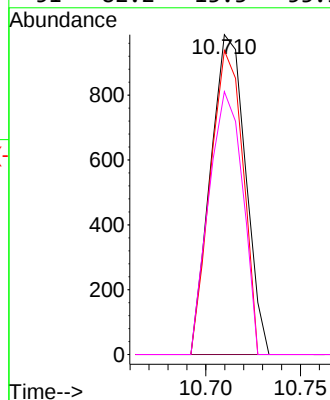
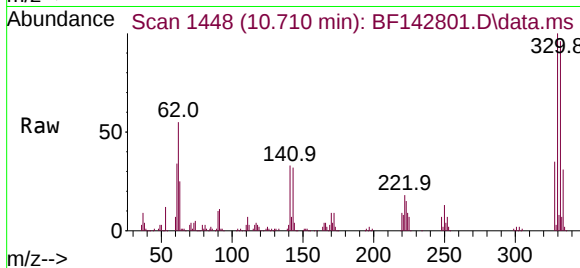
Ion Ratio Lower Upper

77 100

182 0.0 7.7 47.7#

105 95.0 1.9 41.9#

51 82.2 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: BF142801.D

Acq: 23 Jun 2025 12:12

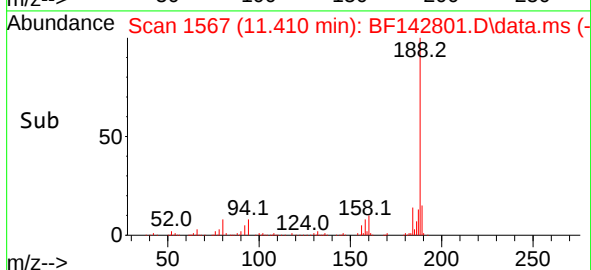
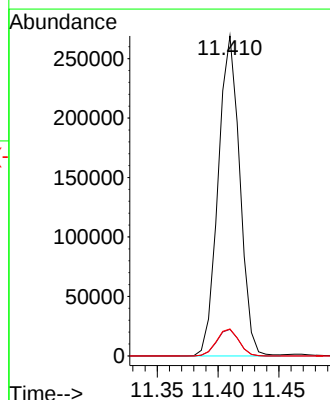
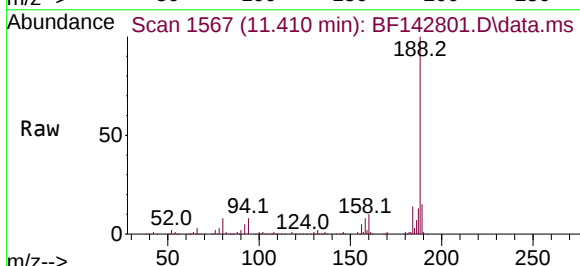
Tgt Ion:188 Resp: 333657

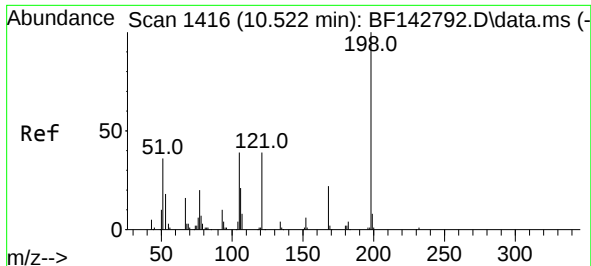
Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

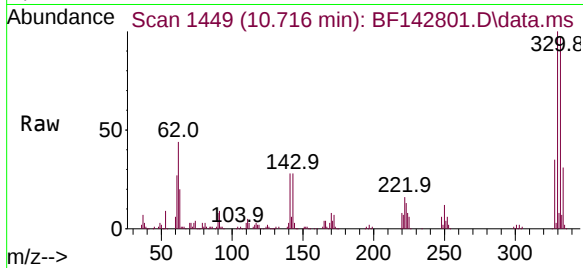
80 8.4 6.9 10.3



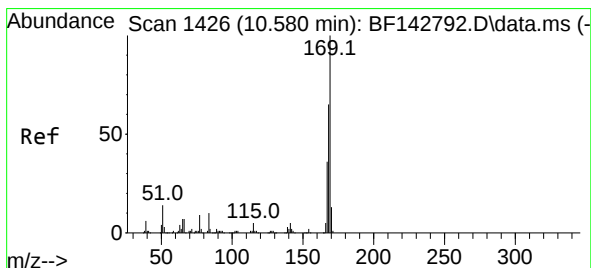
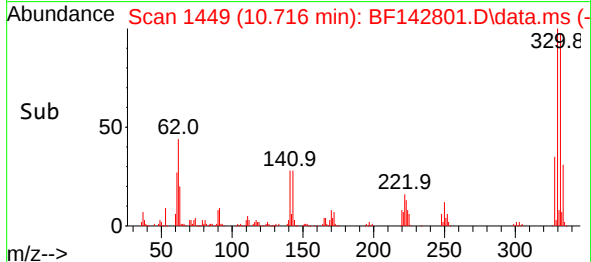
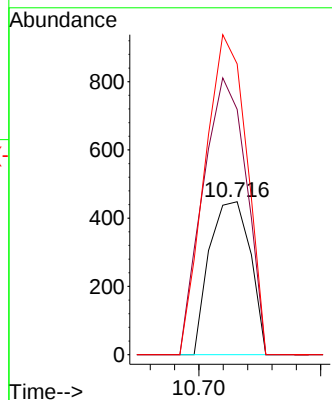


#65
4,6-Dinitro-2-methylphenol
Concen: 0.260 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.194 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Instrument :
BNA_F
ClientSampleId :
PB168570BL

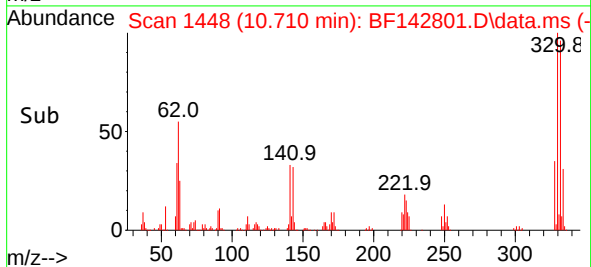
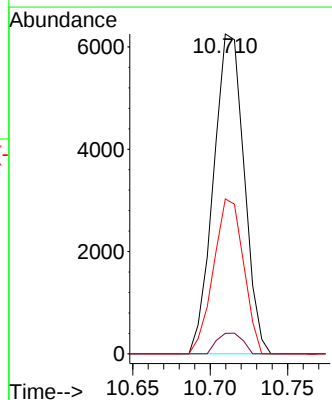
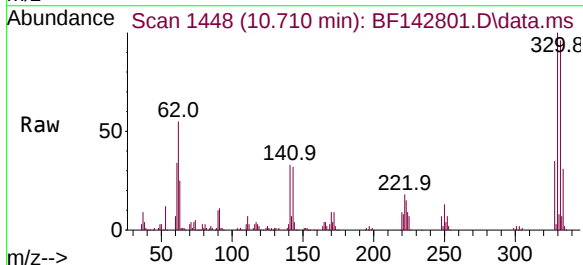


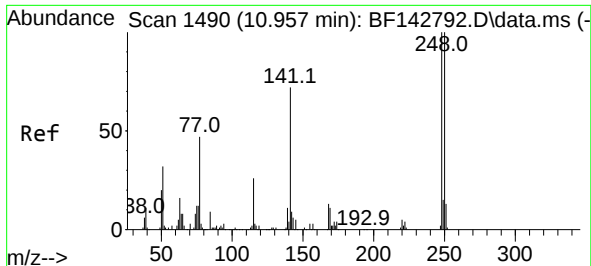
Tgt Ion:198 Resp: 524
Ion Ratio Lower Upper
198 100
51 160.5 25.4 65.4#
105 190.2 20.4 60.4#



#66
n-Nitrosodiphenylamine
Concen: 0.745 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.129 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:169 Resp: 8616
Ion Ratio Lower Upper
169 100
168 6.4 51.9 77.9#
167 48.4 28.5 42.7#

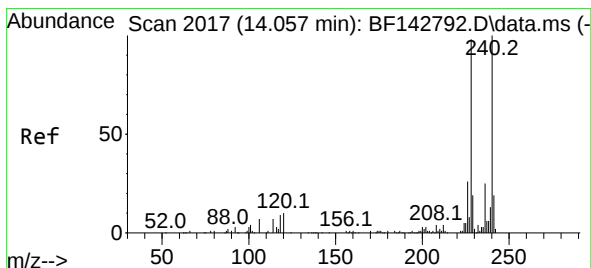
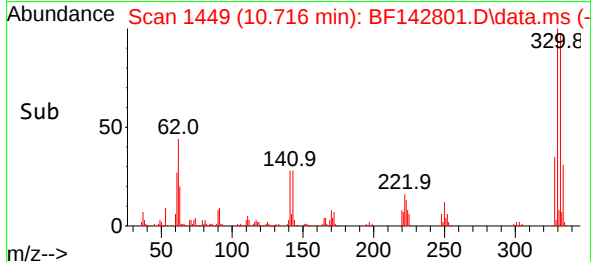
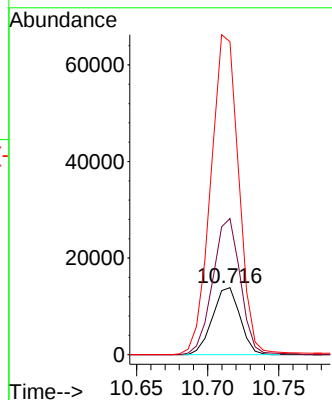
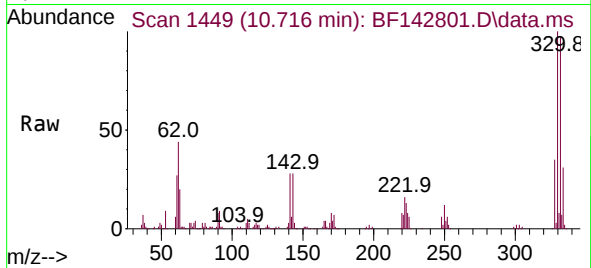




#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

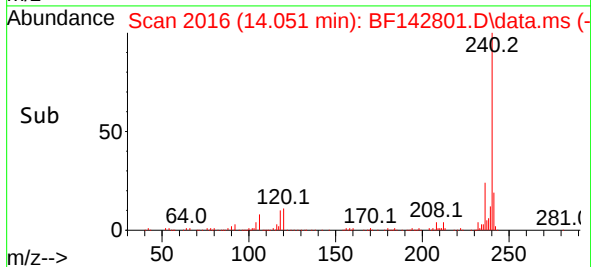
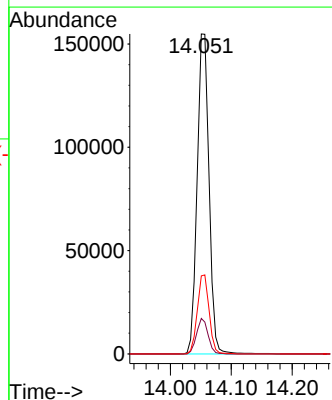
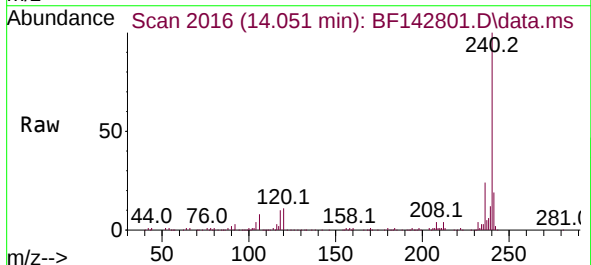
Instrument :
BNA_F
ClientSampleId :
PB168570BL

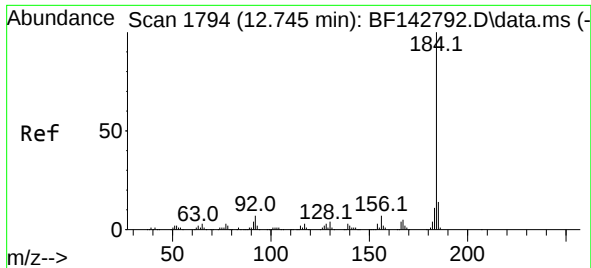
Tgt Ion:248 Resp: 18708
Ion Ratio Lower Upper
248 100
250 203.2 79.8 119.8#
141 466.9 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:240 Resp: 209605
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 24.4 19.8 29.8

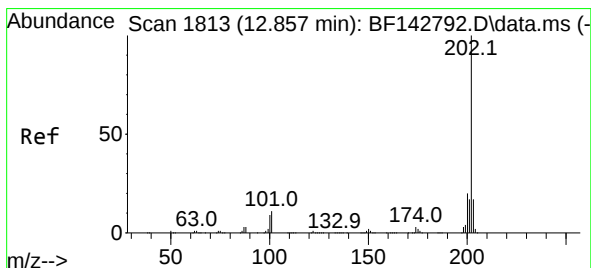
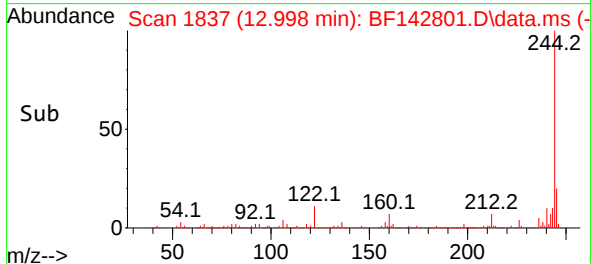
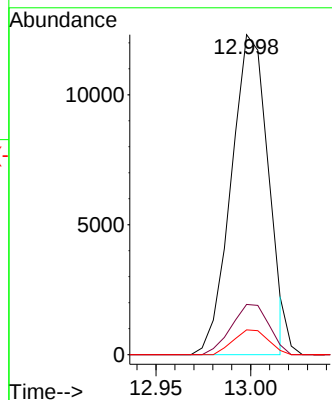
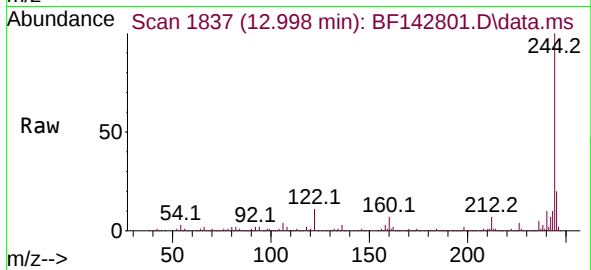




#77
Benzidine
Concen: 2.122 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

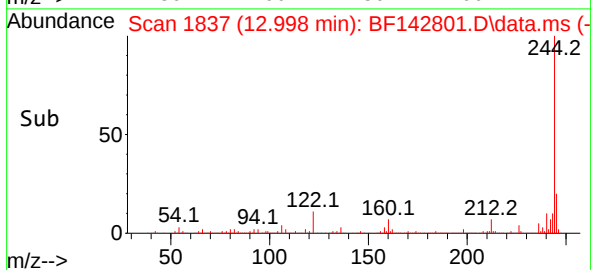
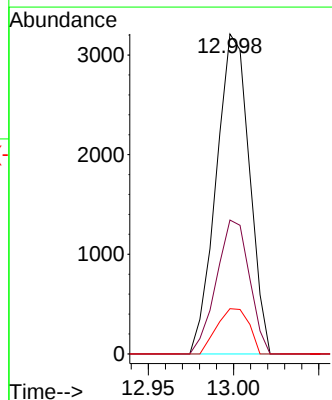
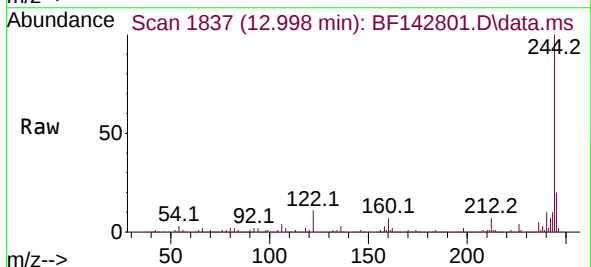
Instrument :
BNA_F
ClientSampleId :
PB168570BL

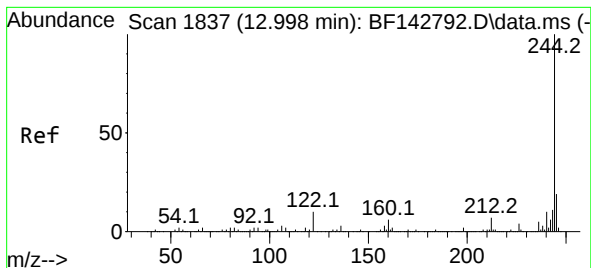
Tgt Ion:184 Resp: 16712
Ion Ratio Lower Upper
184 100
185 15.7 11.5 17.3
183 7.8 9.0 13.4#



#78
Pyrene
Concen: 0.221 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.141 min
Lab File: BF142801.D
Acq: 23 Jun 2025 12:12

Tgt Ion:202 Resp: 4334
Ion Ratio Lower Upper
202 100
200 41.8 15.7 23.5#
203 14.1 13.8 20.6





#79

Terphenyl-d14

Concen: 86.129 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL

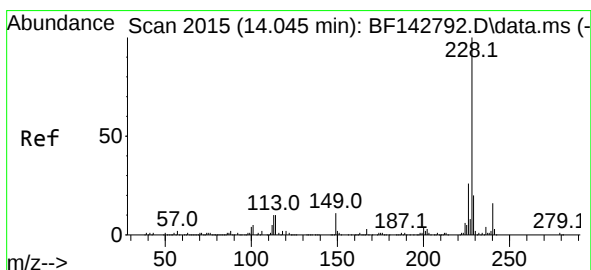
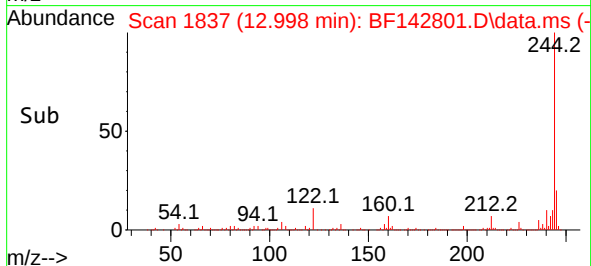
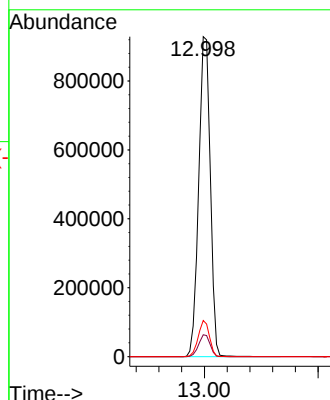
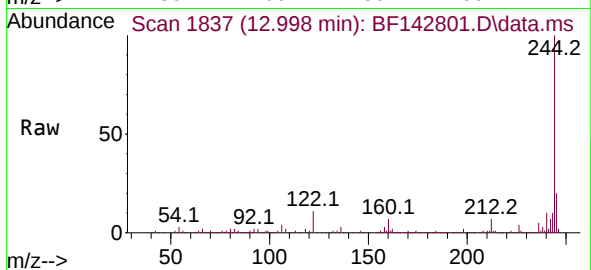
Tgt Ion:244 Resp: 1306581

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.3 8.2 12.2



#81

Benzo(a)anthracene

Concen: 0.028 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

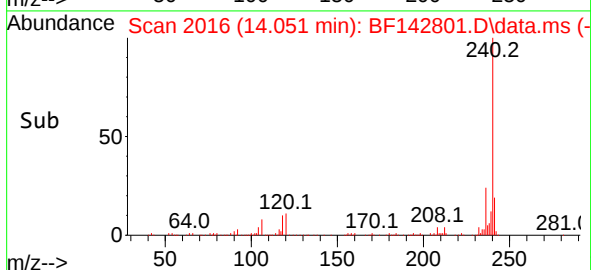
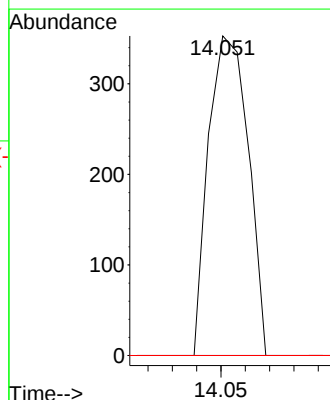
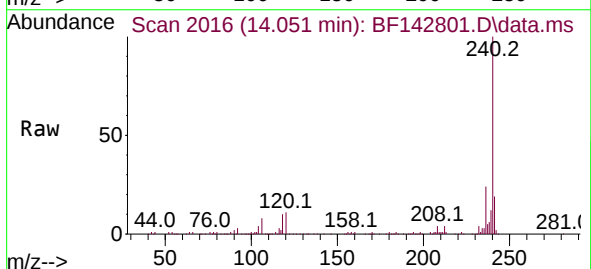
Tgt Ion:228 Resp: 401

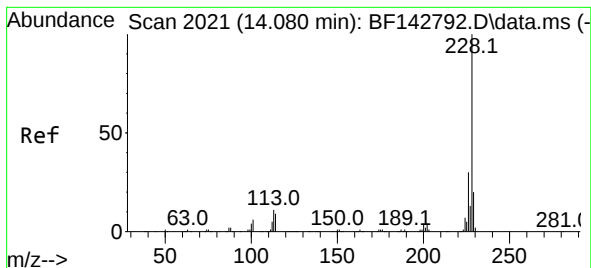
Ion Ratio Lower Upper

228 100

226 0.0 21.2 31.8#

229 0.0 15.6 23.4#





#83

Chrysene

Concen: 0.032 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL

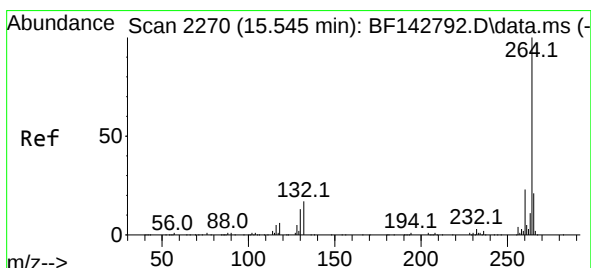
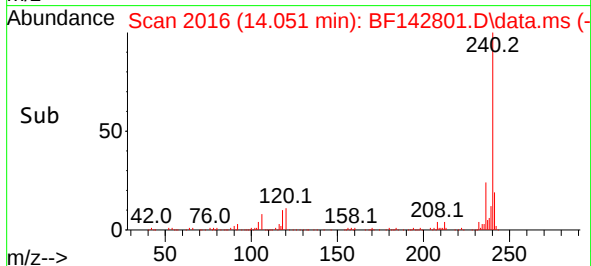
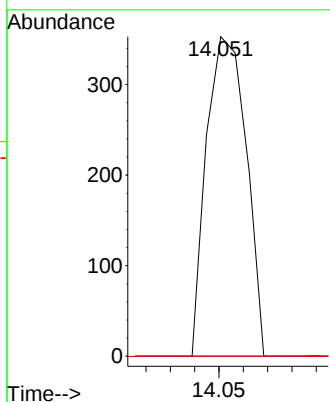
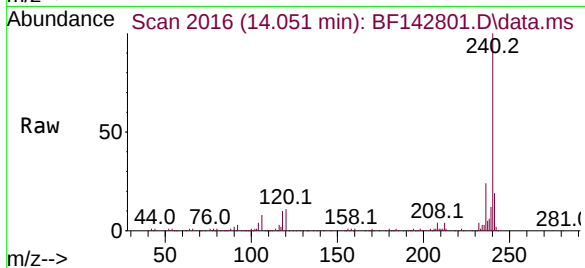
Tgt Ion:228 Resp: 401

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: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142801.D

Acq: 23 Jun 2025 12:12

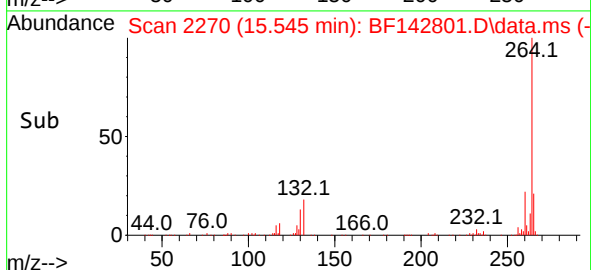
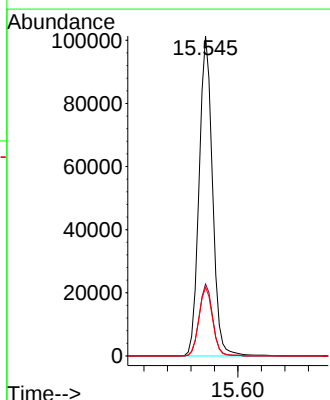
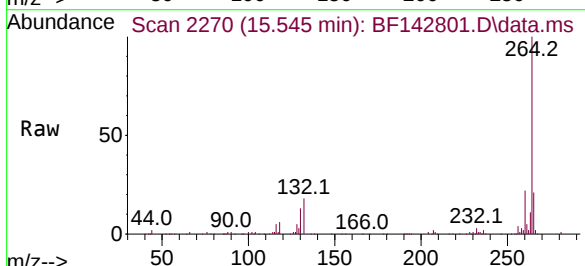
Tgt Ion:264 Resp: 160422

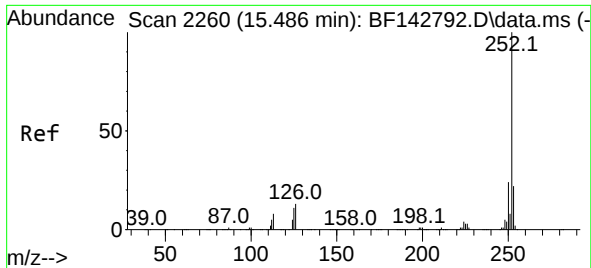
Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.4 16.6 25.0





#90

Benzo(a)pyrene

Concen: 0.042 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF142801.D

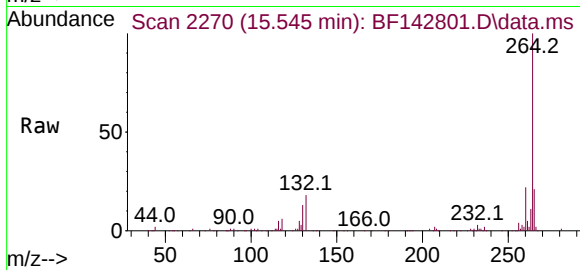
Acq: 23 Jun 2025 12:12

Instrument :

BNA_F

ClientSampleId :

PB168570BL



Tgt Ion:252 Resp: 379

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 0.0 8.6 12.8#

