

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062325\
 Data File : BF142806.D
 Acq On : 23 Jun 2025 15:10
 Operator : RC/JU
 Sample : Q2367-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-4

Quant Time: Jun 24 06:41:22 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	67651	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	258018	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	135970	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233688	20.000	ng	0.00
76) Chrysene-d12	14.051	240	131922	20.000	ng	0.00
86) Perylene-d12	15.539	264	116291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	460789	113.402	ng	0.01
7) Phenol-d6	6.504	99	498562	103.999	ng	0.00
23) Nitrobenzene-d5	7.439	82	370122	78.682	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	180893	129.281	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	780254	75.384	ng	0.00
79) Terphenyl-d14	12.992	244	759729	79.571	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.281	42	178	0.084	ng	# 1
9) Benzaldehyde	6.504	77	705	0.248	ng	# 1
15) Benzyl Alcohol	6.881	79	1724	0.497	ng	# 30
16) 2,2'-oxybis(1-Chloropr...	7.181	45	78	0.013	ng	# 70
19) n-Nitroso-di-n-propyla...	7.439	70	49283	17.676	ng	# 77
22) Acetophenone	7.281	105	119	0.021	ng	# 47
24) Nitrobenzene	7.439	77	1076	0.253	ng	# 34
25) Isophorone	7.439	82	368222	48.797	ng	# 62
27) 2,4-Dimethylphenol	7.904	122	235	0.058	ng	# 5
31) Naphthalene	8.181	128	1325	0.105	ng	# 81
32) Benzoic acid	7.904	122	235	0.115	ng	# 86
33) 4-Chloroaniline	8.181	127	118	0.023	ng	# 46
37) 2-Methylnaphthalene	8.875	142	872	0.111	ng	# 99
38) 1-Methylnaphthalene	8.975	142	697	0.086	ng	# 92
46) 1,1'-Biphenyl	9.339	154	195	0.018	ng	# 43
48) 2-Nitroaniline	9.239	65	1099	0.486	ng	# 1
50) Dimethylphthalate	9.633	163	11429	1.299	ng	# 99
51) 2,6-Dinitrotoluene	9.916	165	17134	8.865	ng	# 26
52) Acenaphthene	9.916	154	429	0.053	ng	# 5
55) Dibenzofuran	10.122	168	132	0.011	ng	# 45
57) 2,4-Dinitrotoluene	9.916	165	17134	6.674	ng	# 27
58) Fluorene	10.710	166	7620	0.840	ng	# 89
60) Diethylphthalate	10.327	149	9285	1.076	ng	# 97
63) Azobenzene	10.622	77	405	0.053	ng	# 9
65) 4,6-Dinitro-2-methylph...	10.710	198	361	0.255	ng	# 1
66) n-Nitrosodiphenylamine	10.710	169	5421	0.669	ng	# 47
67) 4-Bromophenyl-phenylether	10.710	248	11946	4.492	ng	# 1
71) Phenanthrene	11.427	178	1102	0.087	ng	# 81
72) Anthracene	11.480	178	304	0.023	ng	# 61
73) Carbazole	11.639	167	836	0.075	ng	# 60
74) Di-n-butylphthalate	11.963	149	7164	0.614	ng	# 98
75) Fluoranthene	12.621	202	1277	0.106	ng	# 83
77) Benzidine	12.992	184	9640	1.945	ng	# 95
78) Pyrene	12.851	202	1283	0.104	ng	# 99
80) Butylbenzylphthalate	13.468	149	193	0.054	ng	# 84
81) Benzo(a)anthracene	14.045	228	903	0.101	ng	# 52

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Misc :
ALS Vial : 8 Sample Multiplier: 1

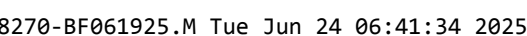
Instrument :
BNA_F
ClientSampleId :
EP-4

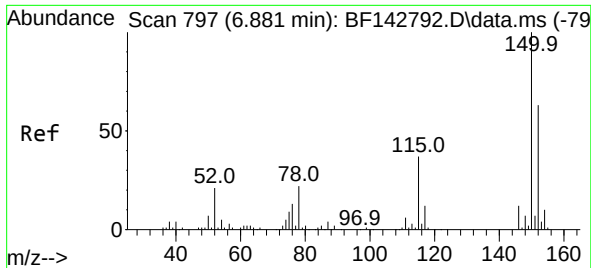
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	14.074	228	694	0.087	ng #	50
84) Bis(2-ethylhexyl)phtha...	14.027	149	1312	0.254	ng #	87
85) Di-n-octyl phthalate	14.639	149	275	0.028	ng #	77
90) Benzo(a)pyrene	15.539	252	228	0.035	ng #	60

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

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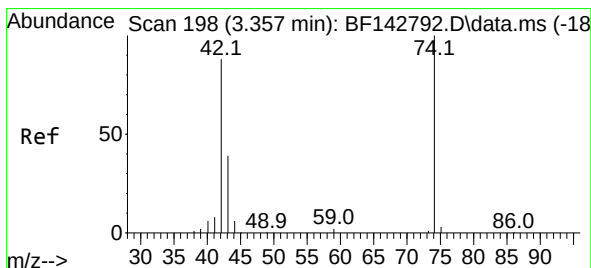
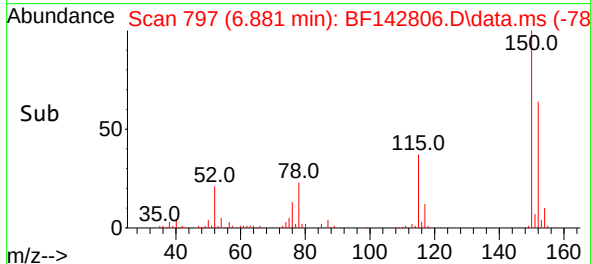
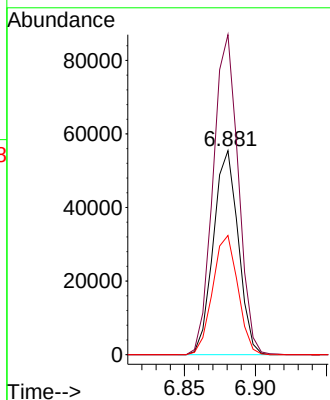
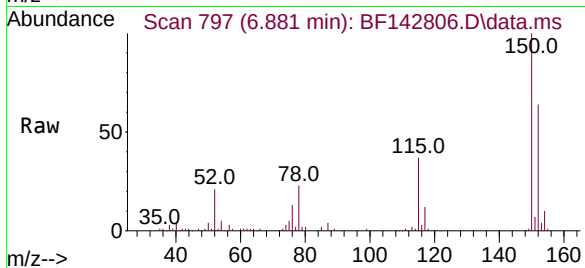




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

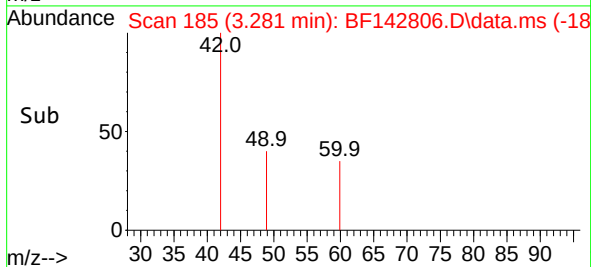
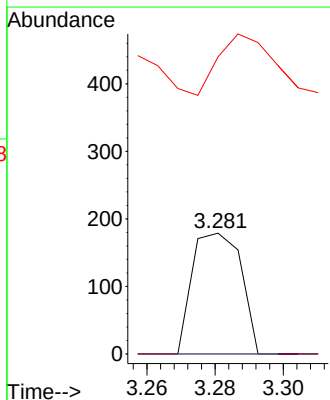
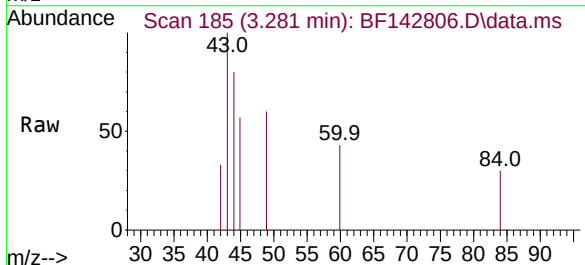
Instrument :
BNA_F
ClientSampleId :
EP-4

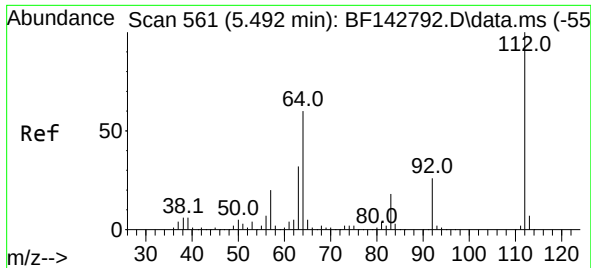
Tgt Ion:152 Resp: 67651
Ion Ratio Lower Upper
152 100
150 156.9 127.2 190.8
115 58.4 46.6 69.8



#4
n-Nitrosodimethylamine
Concen: 0.084 ng
RT: 3.281 min Scan# 185
Delta R.T. -0.076 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
74 0.0 90.9 136.3#
44 245.8 5.8 8.6#

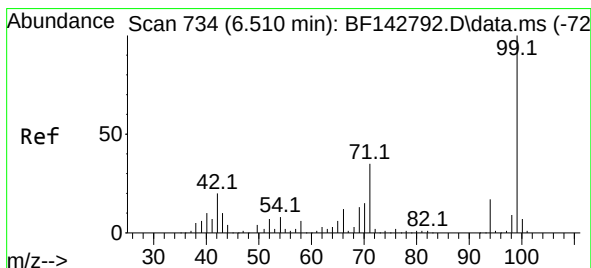
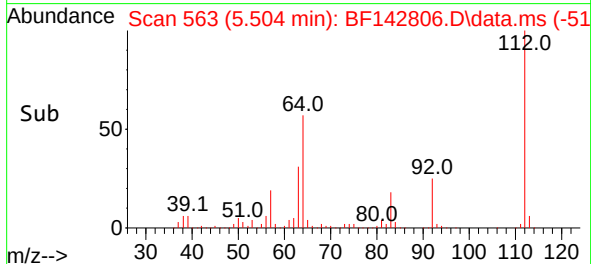
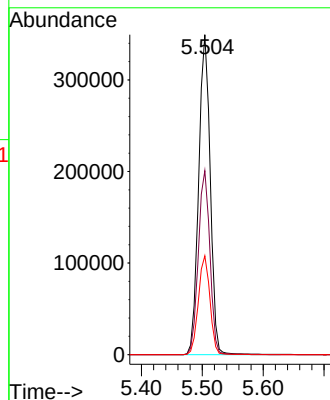
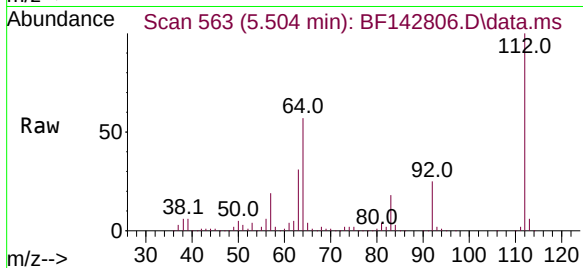




#5
2-Fluorophenol
Concen: 113.402 ng
RT: 5.504 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

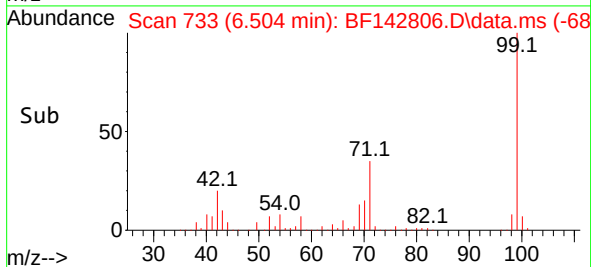
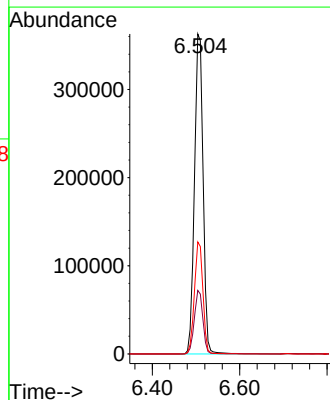
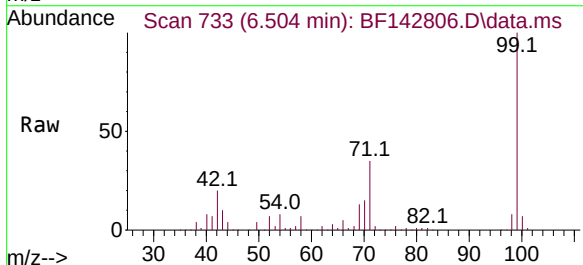
Instrument :
BNA_F
ClientSampleId :
EP-4

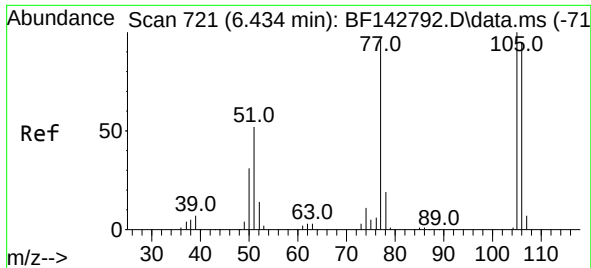
Tgt Ion:112 Resp: 460789
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 30.9 25.7 38.5



#7
Phenol-d6
Concen: 103.999 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion: 99 Resp: 498562
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.0 27.8 41.8





#9

Benzaldehyde

Concen: 0.248 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.070 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

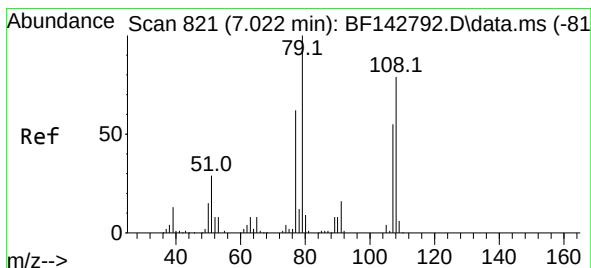
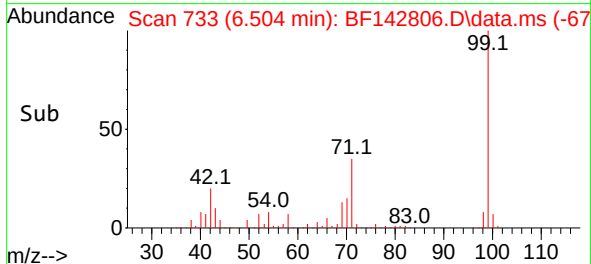
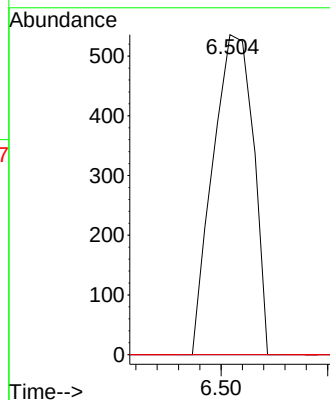
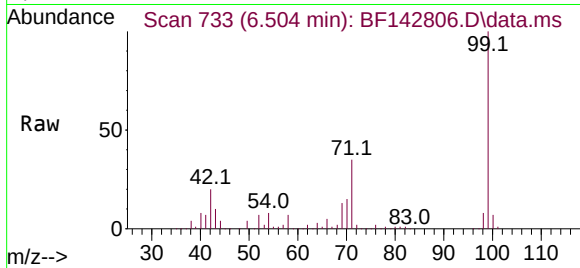
Tgt Ion: 77 Resp: 705

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

106 0.0 78.7 118.7#



#15

Benzyl Alcohol

Concen: 0.497 ng

RT: 6.881 min Scan# 797

Delta R.T. -0.141 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

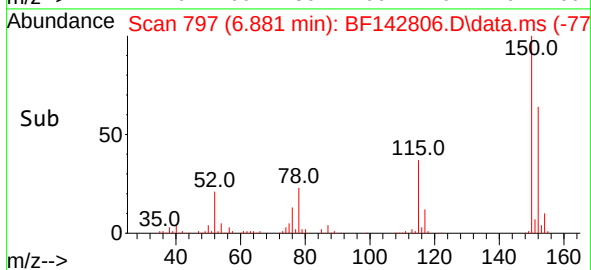
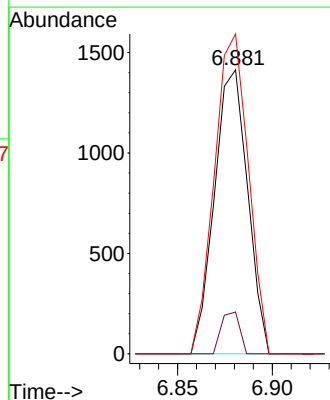
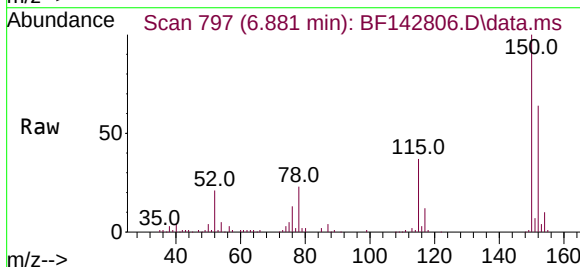
Tgt Ion: 79 Resp: 1724

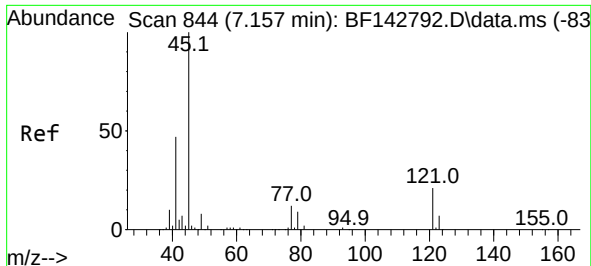
Ion Ratio Lower Upper

79 100

108 14.7 63.4 95.0#

77 112.7 49.5 74.3#

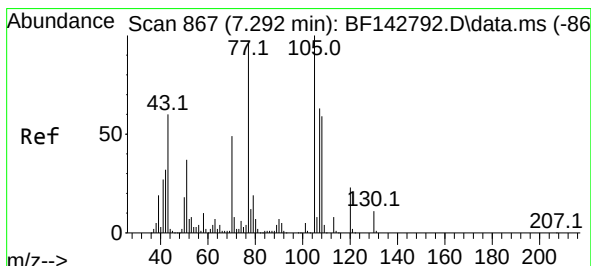
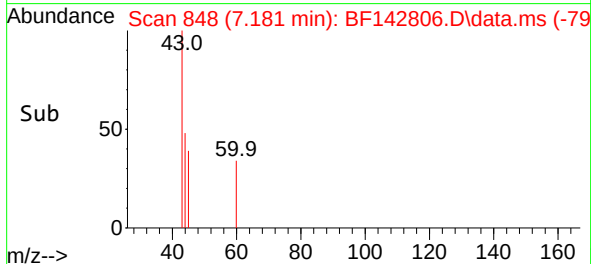
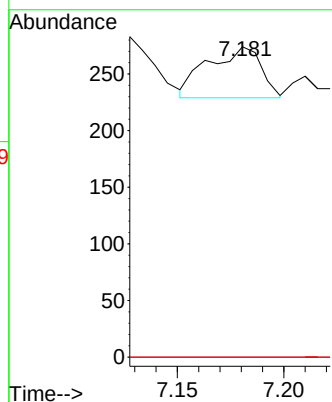
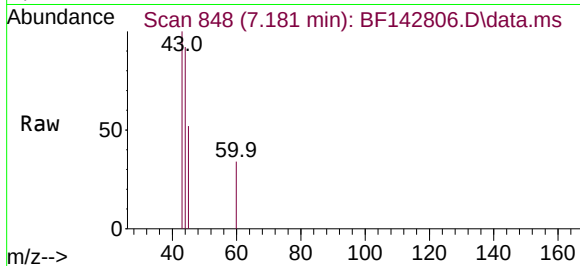




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.013 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.024 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

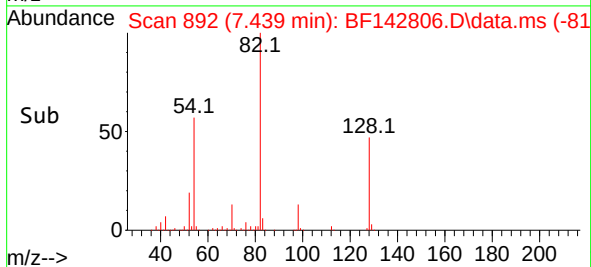
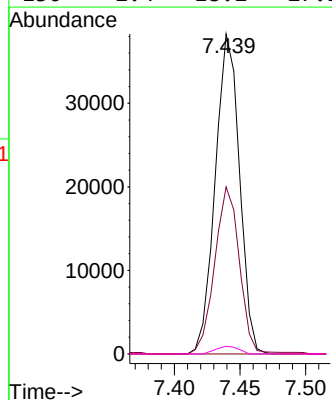
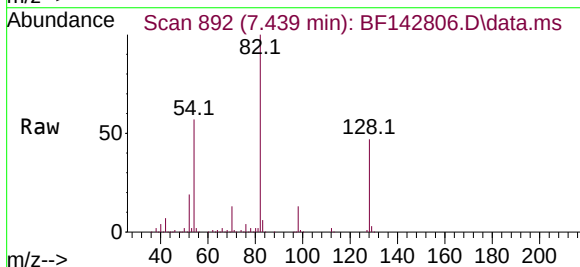
Instrument :
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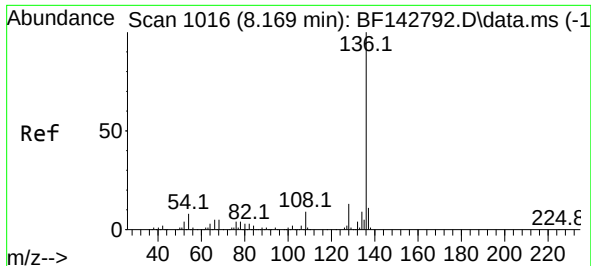
Tgt Ion: 45	Resp:	78
Ion Ratio	Lower	Upper
45	100	
77	0.0	32.8
79	0.0	29.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.676 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion: 70	Resp:	49283
Ion Ratio	Lower	Upper
70	100	
42	52.2	78.1
101	0.0	12.2#
130	2.4	27.2#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

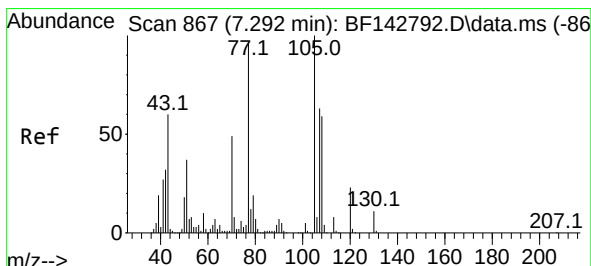
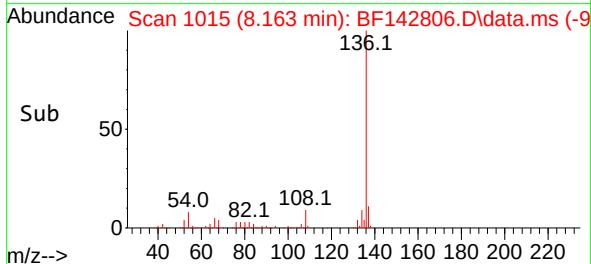
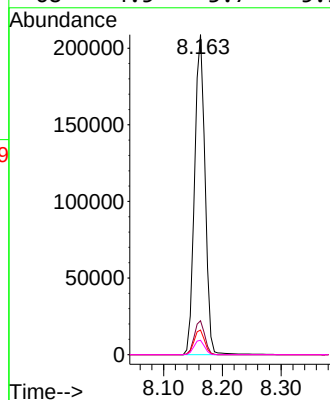
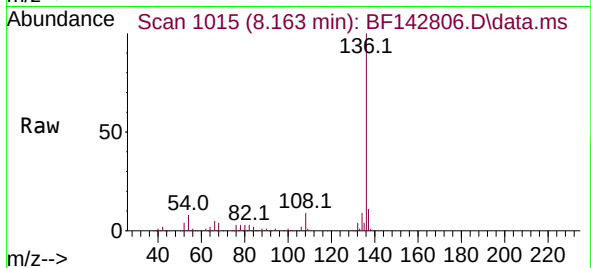
Instrument :

BNA_F

ClientSampleId :

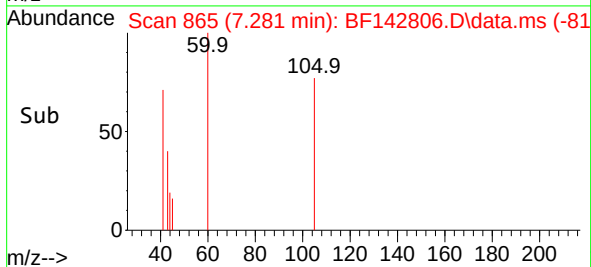
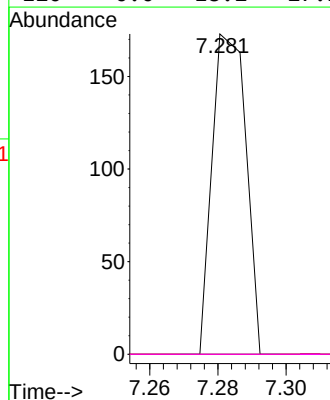
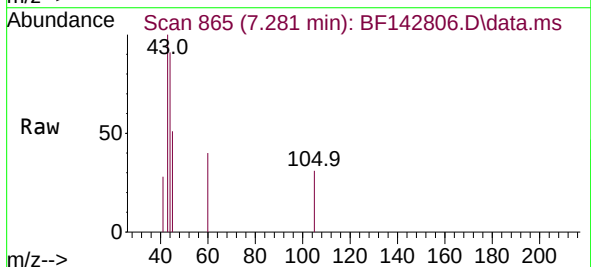
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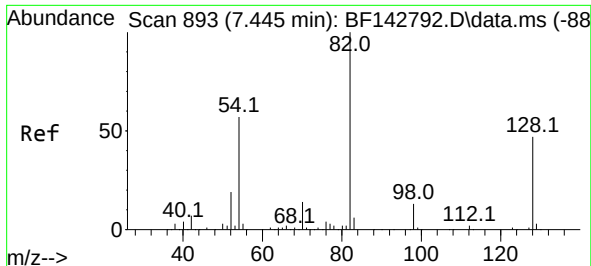
Tgt Ion:136 Resp: 258018
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.7 6.3 9.5
68 4.5 3.7 5.5



#22
Acetophenone
Concen: 0.021 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:105 Resp: 119
Ion Ratio Lower Upper
105 100
71 0.0 6.5 9.7#
51 0.0 29.8 44.8#
120 0.0 18.2 27.2#





#23

Nitrobenzene-d5

Concen: 78.682 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

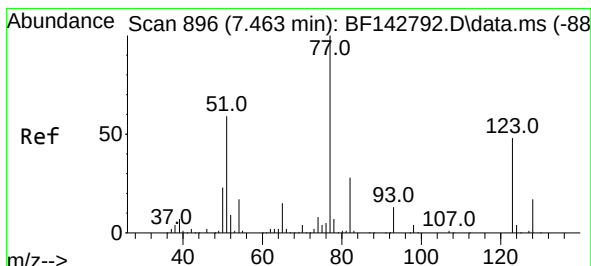
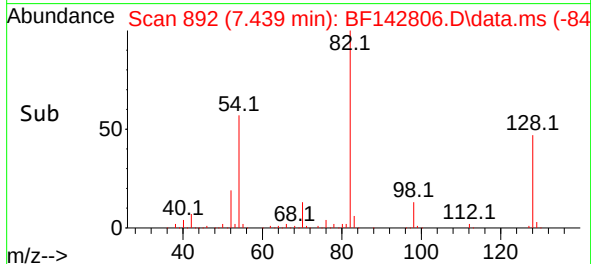
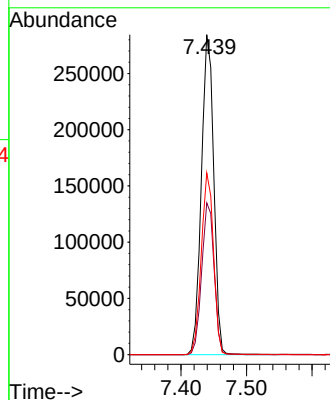
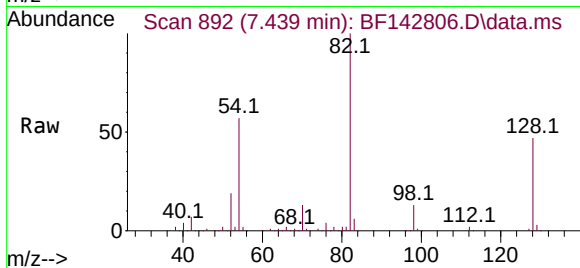
Tgt Ion: 82 Resp: 370122

Ion Ratio Lower Upper

82 100

128 47.4 37.7 56.5

54 56.8 45.7 68.5



#24

Nitrobenzene

Concen: 0.253 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.024 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

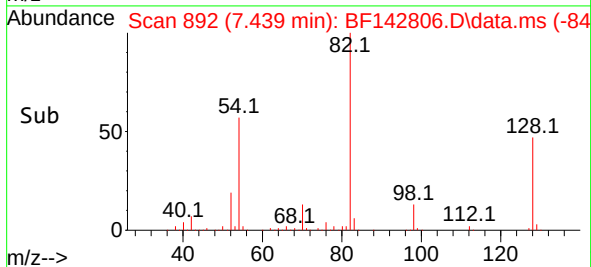
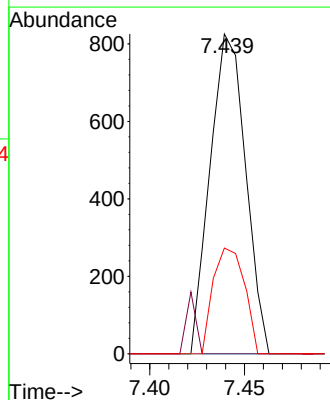
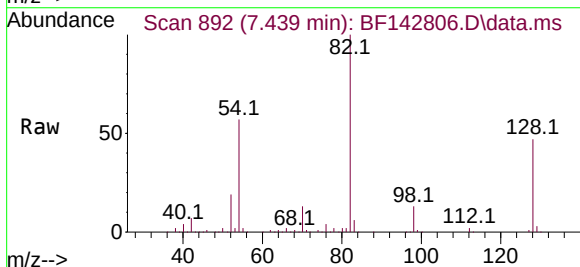
Tgt Ion: 77 Resp: 1076

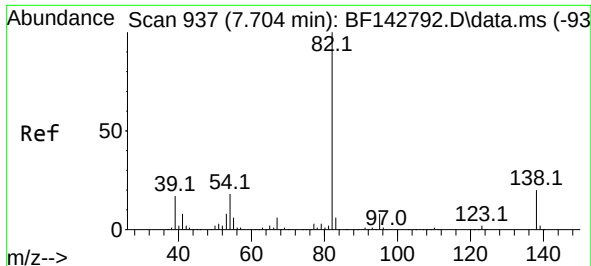
Ion Ratio Lower Upper

77 100

123 0.0 39.2 58.8#

65 33.1 11.6 17.4#





#25

Isophorone

Concen: 48.797 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.265 min

Lab File: BF142806.D

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BNA_F

ClientSampleId :

EP-4

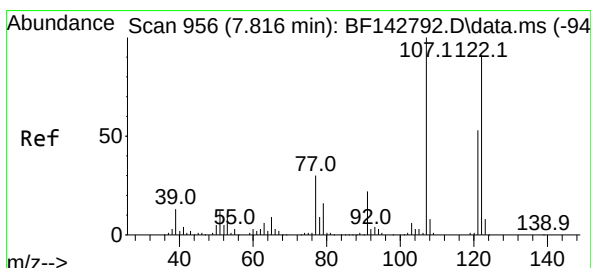
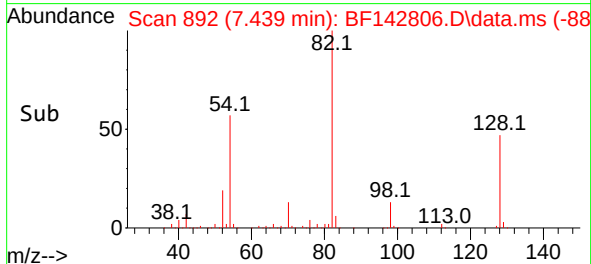
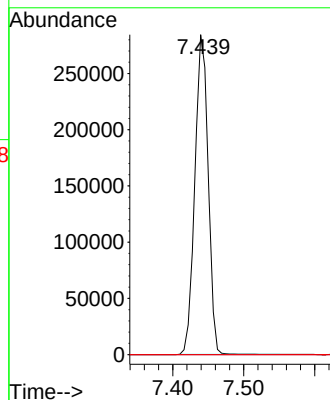
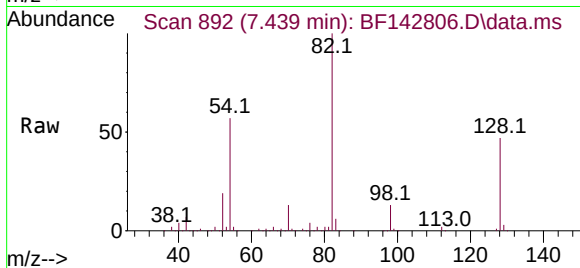
Tgt Ion: 82 Resp: 368222

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#



#27

2,4-Dimethylphenol

Concen: 0.058 ng

RT: 7.904 min Scan# 971

Delta R.T. 0.088 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

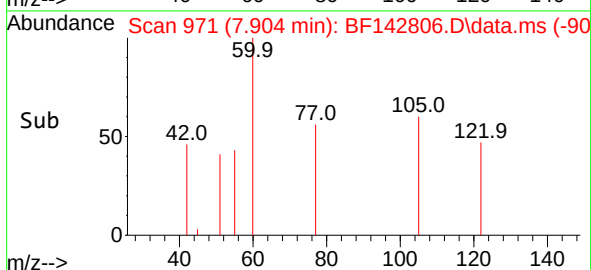
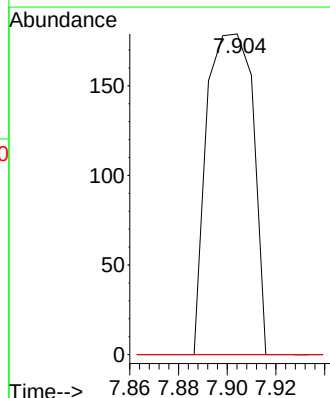
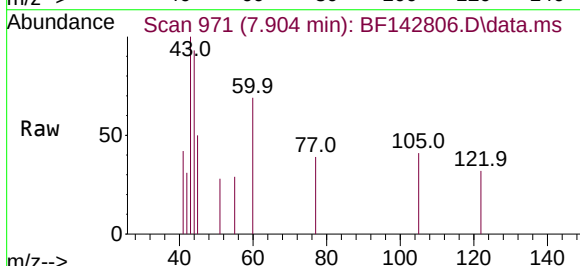
Tgt Ion:122 Resp: 235

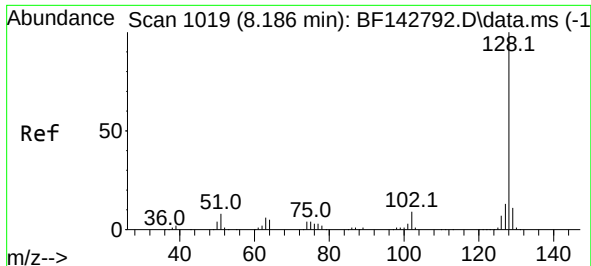
Ion Ratio Lower Upper

122 100

107 0.0 88.0 132.0#

121 0.0 46.3 69.5#

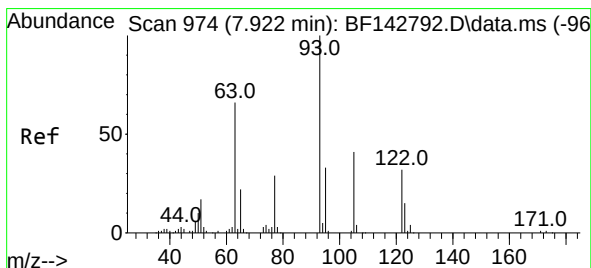
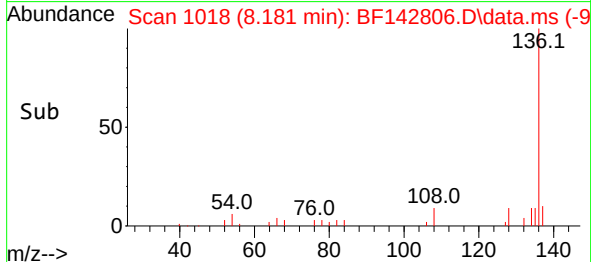
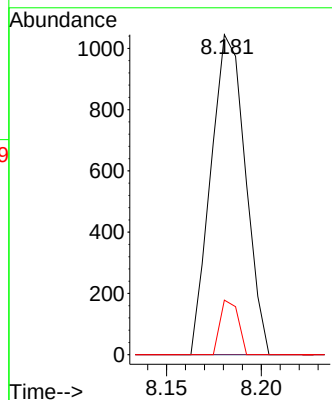
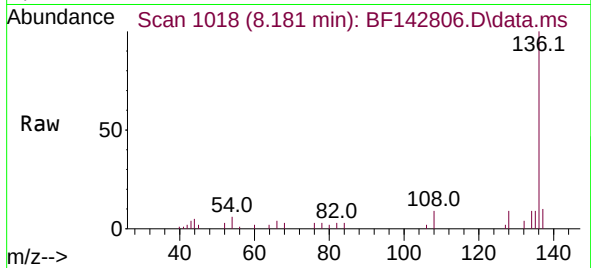




#31
Naphthalene
Concen: 0.105 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

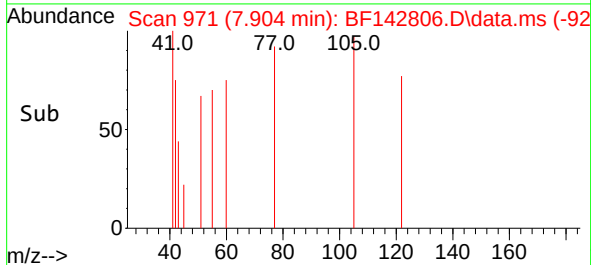
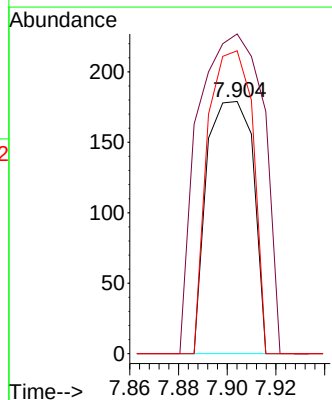
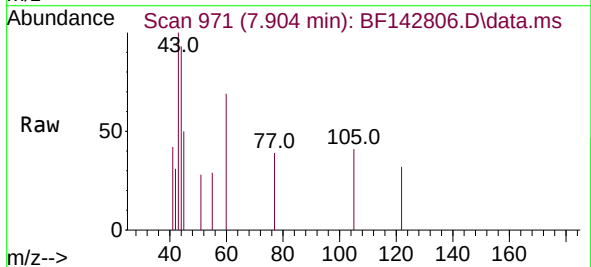
Instrument :
BNA_F
ClientSampleId :
EP-4

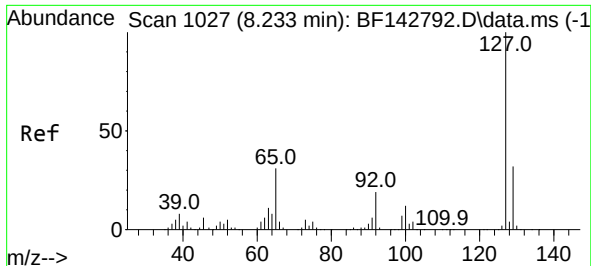
Tgt Ion:128 Resp: 1325
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 17.0 10.4 15.6#



#32
Benzoic acid
Concen: 0.115 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.018 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:122 Resp: 235
Ion Ratio Lower Upper
122 100
105 126.8 104.7 144.7
77 120.1 70.2 110.2#

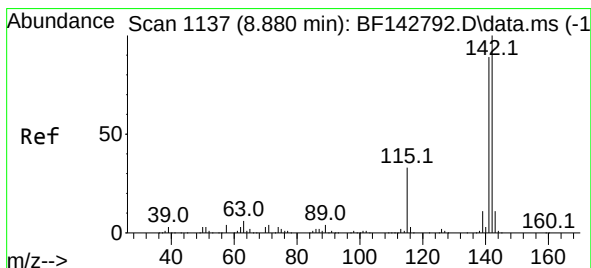
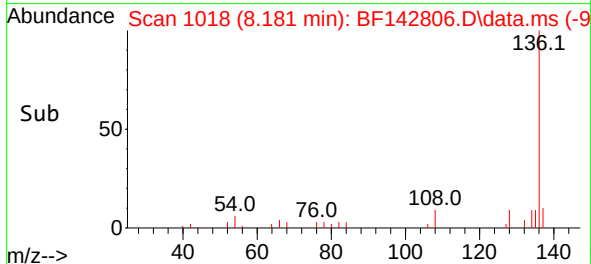
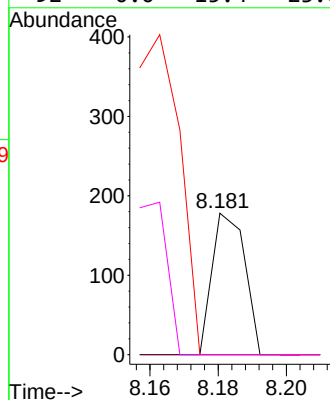
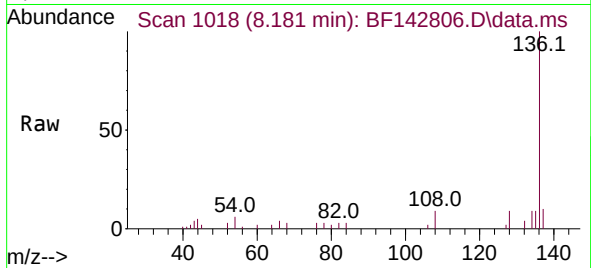




#33
4-Chloroaniline
Concen: 0.023 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.053 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

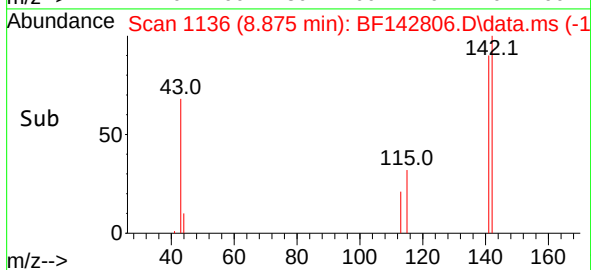
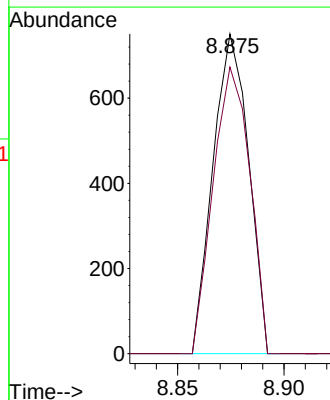
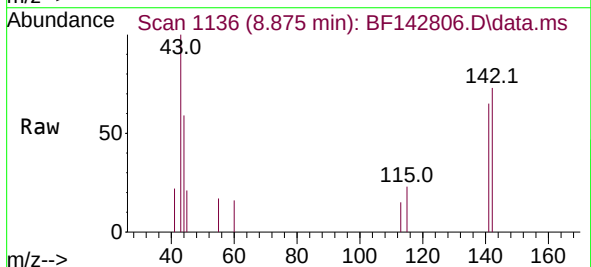
Instrument :
BNA_F
ClientSampleId :
EP-4

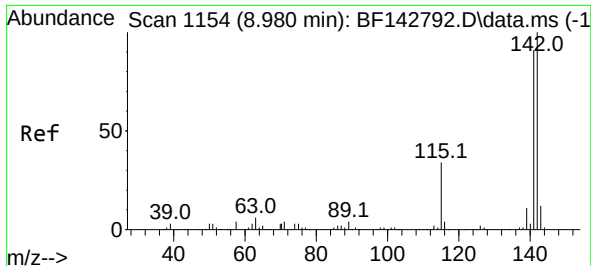
Tgt Ion:127	Resp:	118
Ion	Ratio	Lower Upper
127	100	
129	0.0	25.9 38.9#
65	0.0	24.6 36.8#
92	0.0	15.4 23.0#



#37
2-Methylnaphthalene
Concen: 0.111 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:142	Resp:	872
Ion	Ratio	Lower Upper
142	100	
141	89.6	70.9 106.3





#38

1-Methylnaphthalene

Concen: 0.086 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

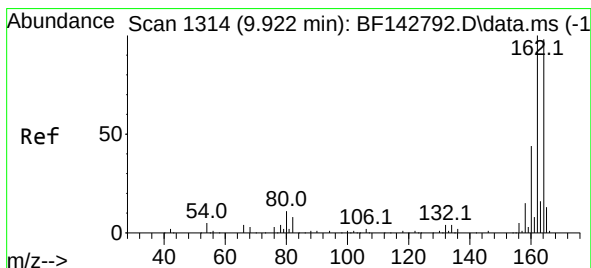
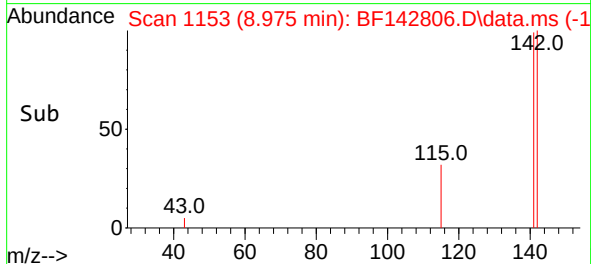
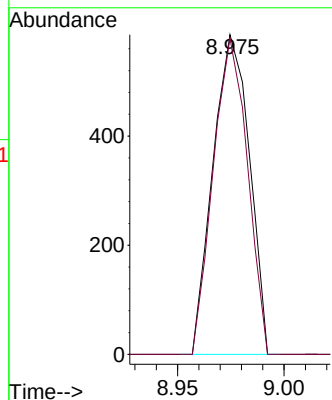
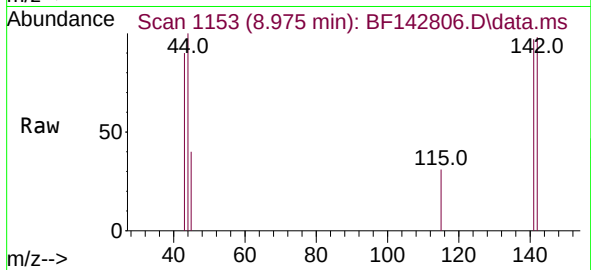
EP-4

Tgt Ion:142 Resp: 697

Ion Ratio Lower Upper

142 100

141 98.8 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: BF142806.D

Acq: 23 Jun 2025 15:10

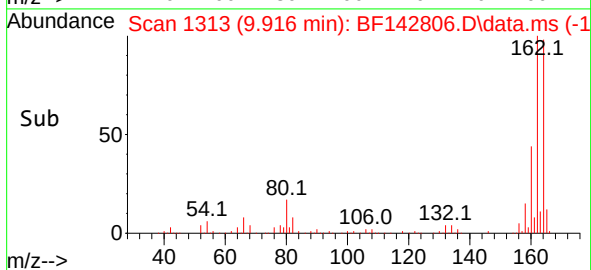
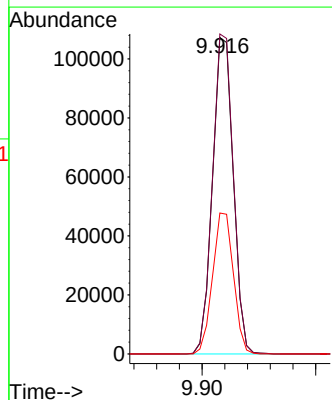
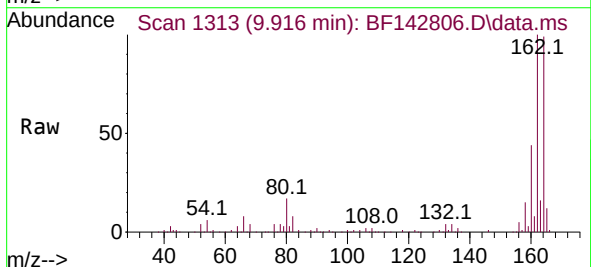
Tgt Ion:164 Resp: 135970

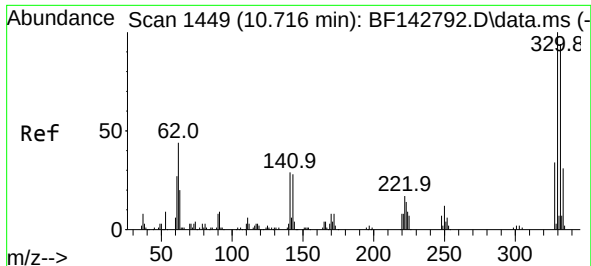
Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 129.281 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

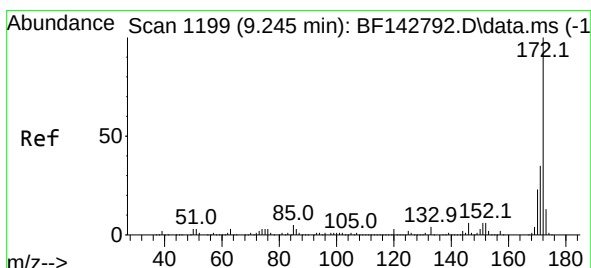
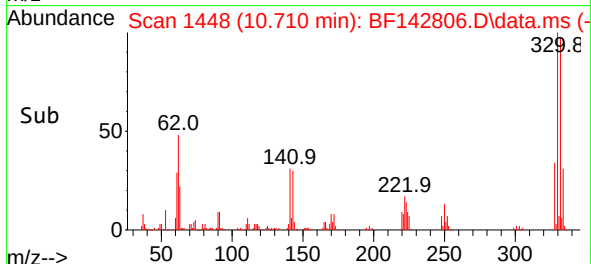
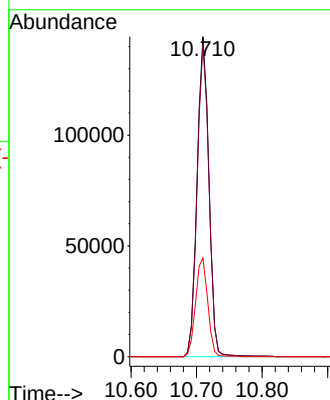
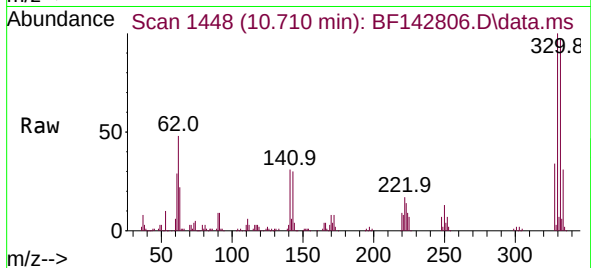
Tgt Ion:330 Resp: 180893

Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.6

141 31.6 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 75.384 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

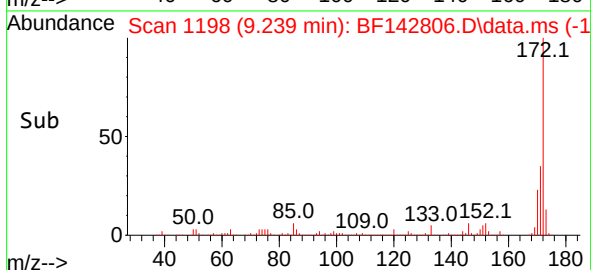
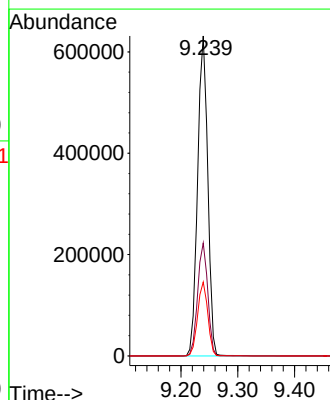
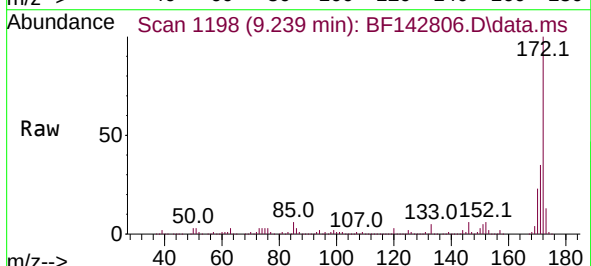
Tgt Ion:172 Resp: 780254

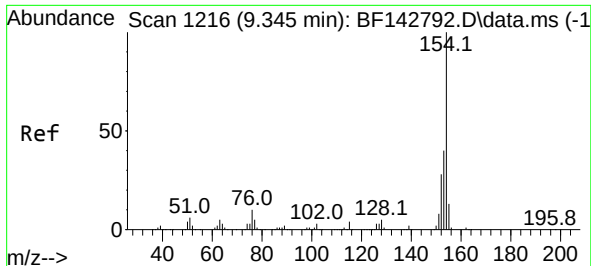
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.5 27.7

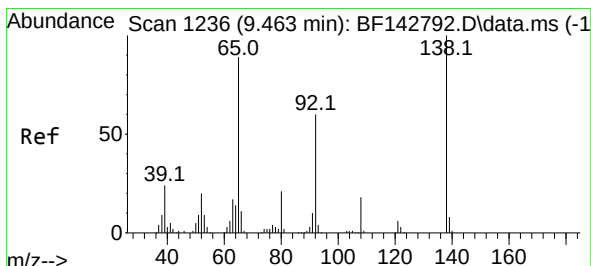
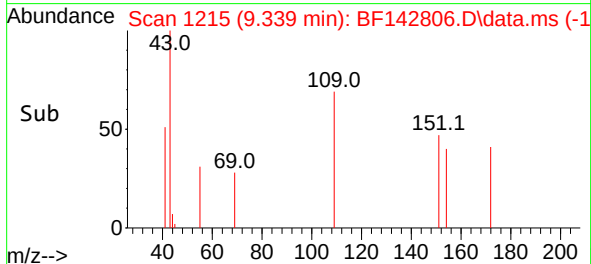
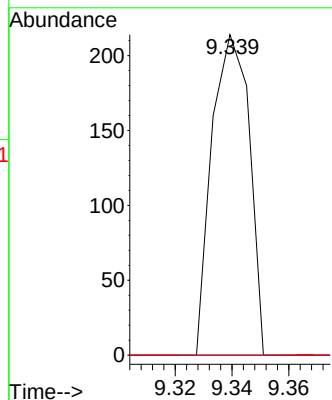
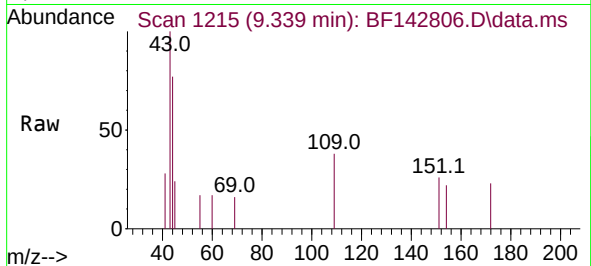




#46
1,1'-Biphenyl
Concen: 0.018 ng
RT: 9.339 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

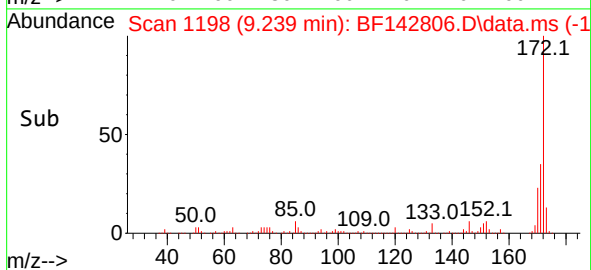
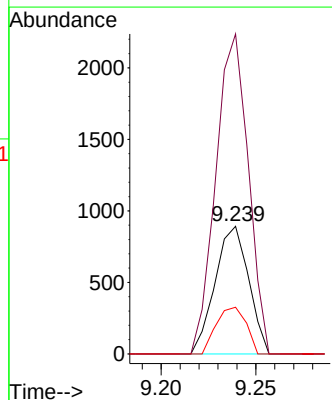
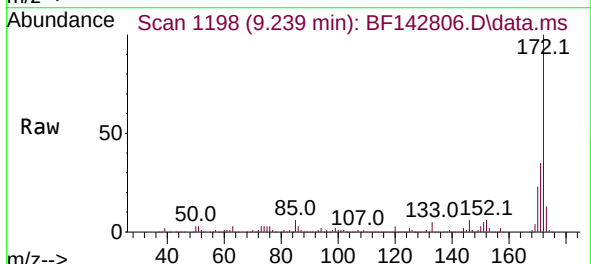
Instrument :
BNA_F
ClientSampleId :
EP-4

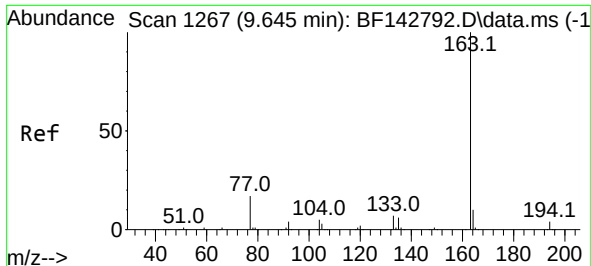
Tgt Ion:154 Resp: 195
Ion Ratio Lower Upper
154 100
153 0.0 20.3 60.3#
76 0.0 0.0 30.3



#48
2-Nitroaniline
Concen: 0.486 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.224 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion: 65 Resp: 1099
Ion Ratio Lower Upper
65 100
92 250.9 53.8 80.6#
138 36.5 89.6 134.4#

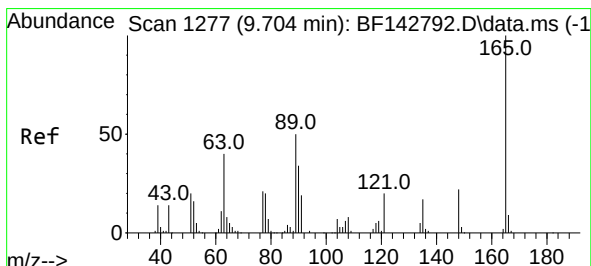
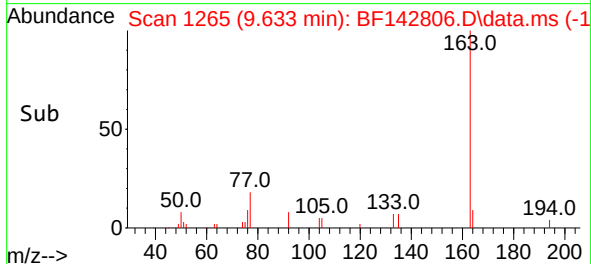
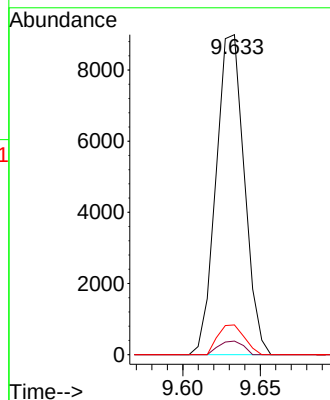
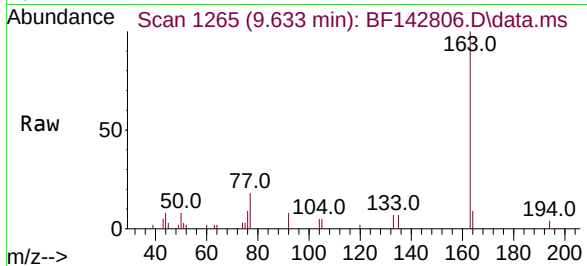




#50
Dimethylphthalate
Concen: 1.299 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

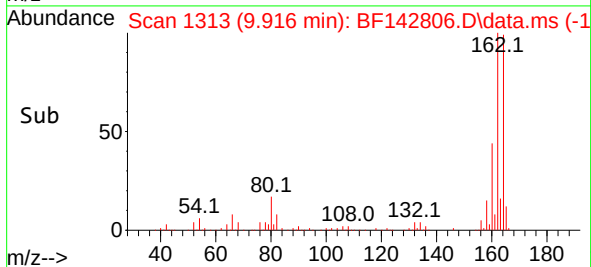
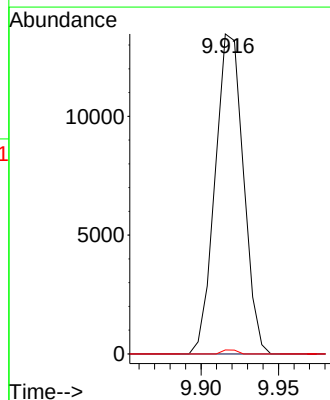
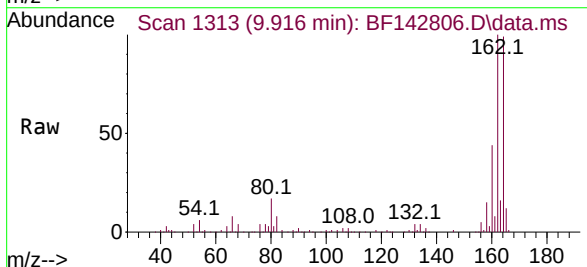
Instrument :
BNA_F
ClientSampleId :
EP-4

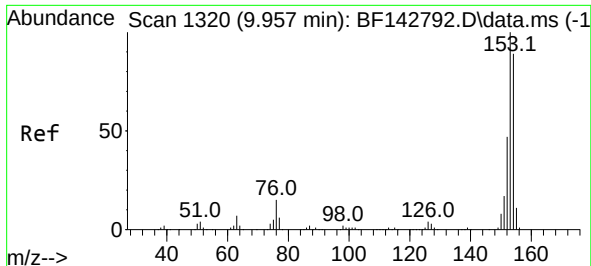
Tgt Ion:163 Resp: 11429
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.3 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 8.865 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

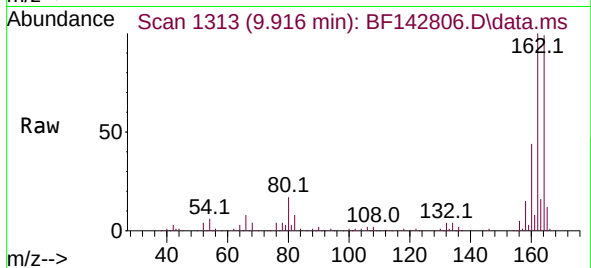
Tgt Ion:165 Resp: 17134
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.2 39.8 59.8#



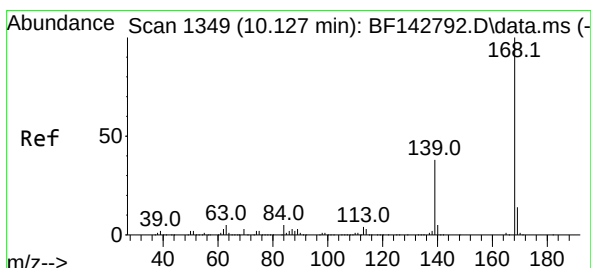
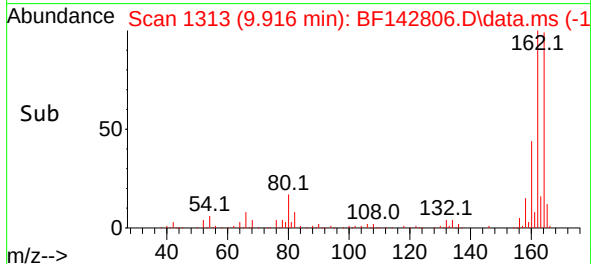
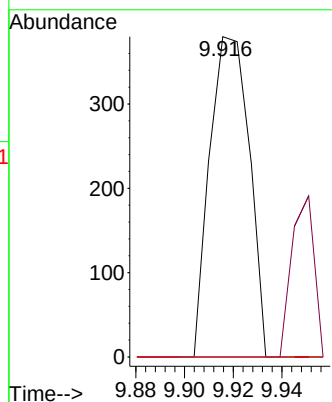


#52
Acenaphthene
Concen: 0.053 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.041 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Instrument :
BNA_F
ClientSampleId :
EP-4

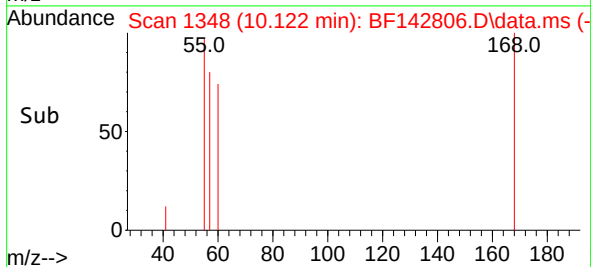
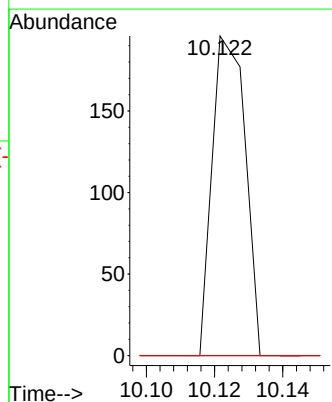
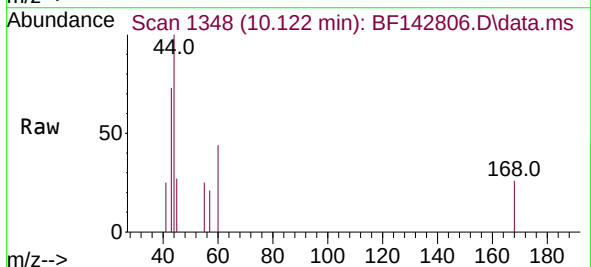


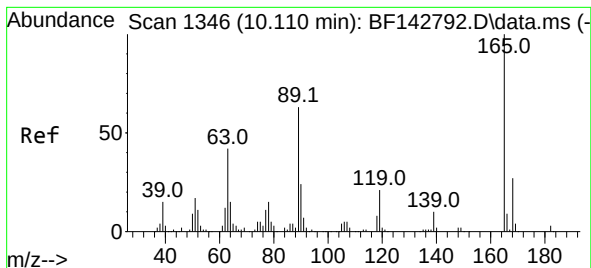
Tgt Ion:154 Resp: 429
Ion Ratio Lower Upper
154 100
153 0.0 90.0 135.0#
152 0.0 41.9 62.9#



#55
Dibenzofuran
Concen: 0.011 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:168 Resp: 132
Ion Ratio Lower Upper
168 100
139 0.0 30.2 45.4#
169 0.0 10.8 16.2#





#57

2,4-Dinitrotoluene

Concen: 6.674 ng

RT: 9.916 min Scan# 1346

Delta R.T. -0.194 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

Tgt Ion:165 Resp: 17134

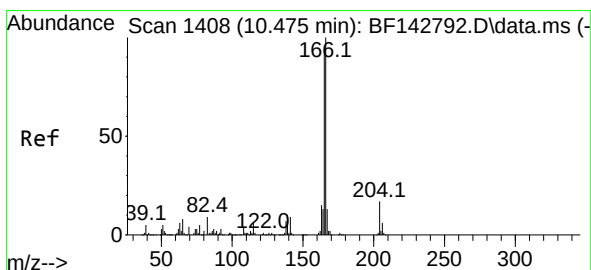
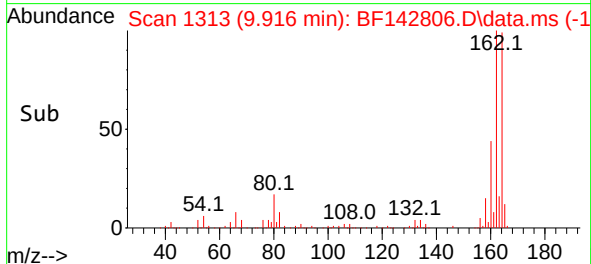
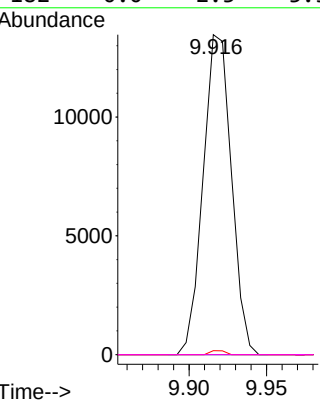
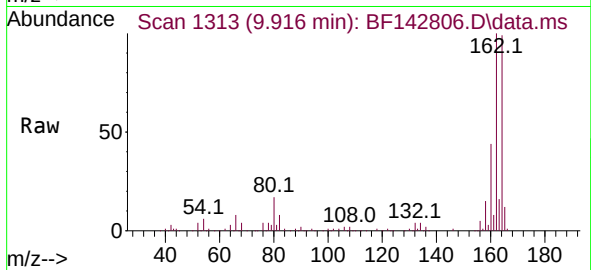
Ion Ratio Lower Upper

165 100

63 0.0 33.9 50.9#

89 1.2 50.6 75.8#

182 0.0 2.3 3.5#



#58

Fluorene

Concen: 0.840 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.235 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

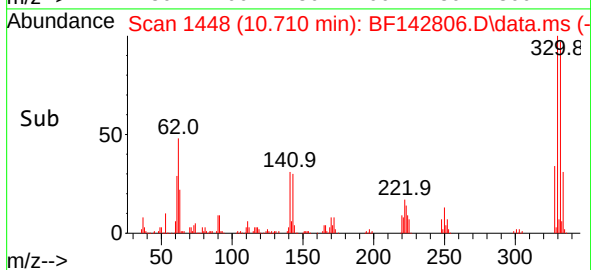
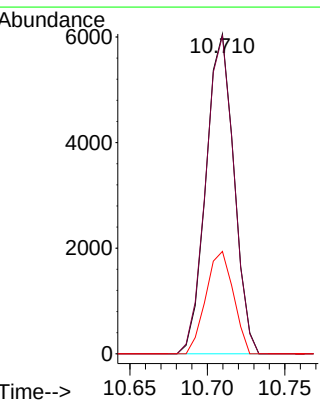
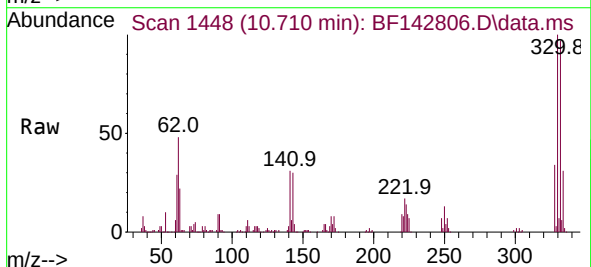
Tgt Ion:166 Resp: 7620

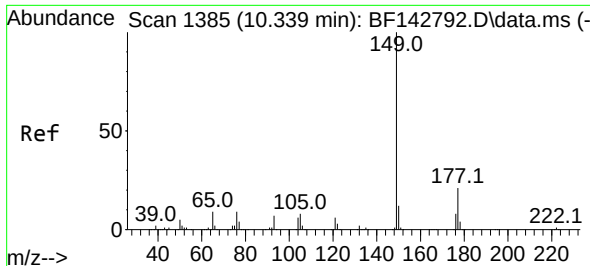
Ion Ratio Lower Upper

166 100

165 99.4 75.2 112.8

167 32.0 10.6 15.8#

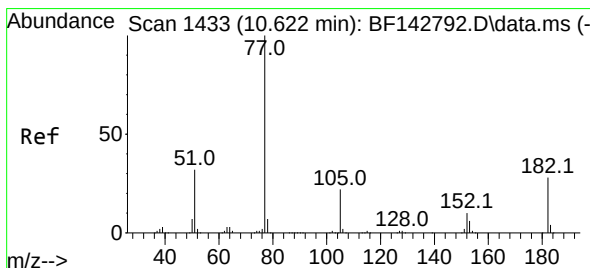
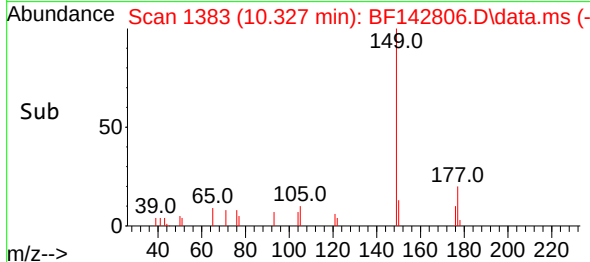
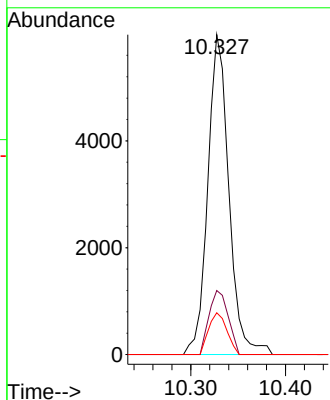
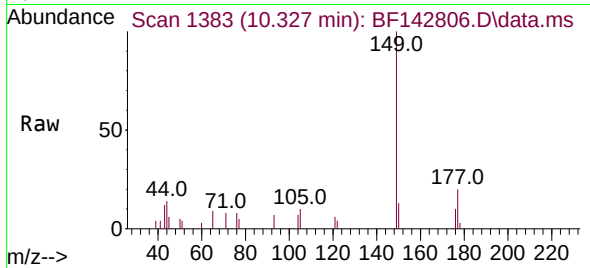




#60
Diethylphthalate
Concen: 1.076 ng
RT: 10.327 min Scan# 1383
Delta R.T. -0.012 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

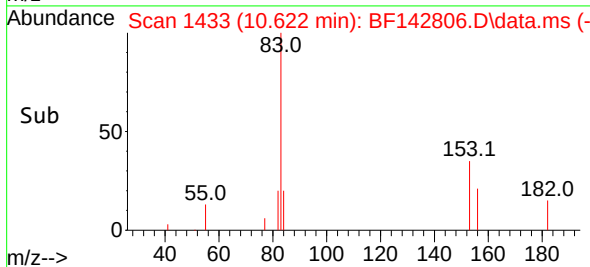
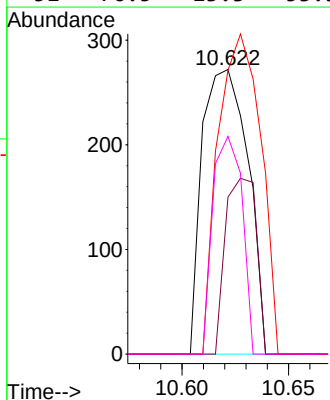
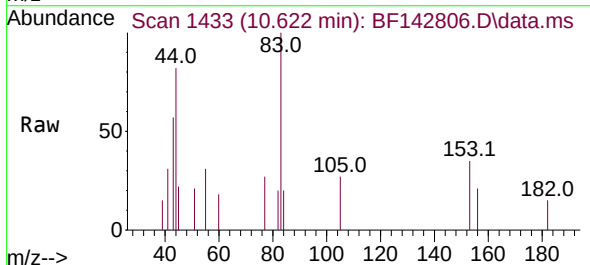
Instrument :
BNA_F
ClientSampleId :
EP-4

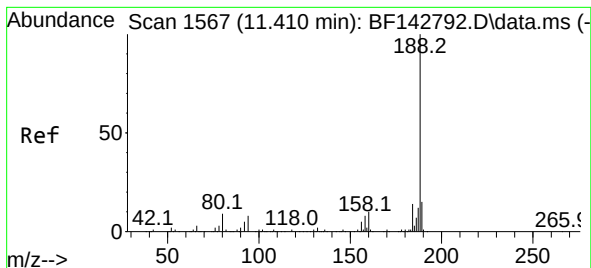
Tgt Ion:149 Resp: 9285
Ion Ratio Lower Upper
149 100
177 20.0 17.0 25.6
150 13.1 9.8 14.6



#63
Azobenzene
Concen: 0.053 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion: 77 Resp: 405
Ion Ratio Lower Upper
77 100
182 55.1 7.7 47.7#
105 99.6 1.9 41.9#
51 76.5 13.3 53.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

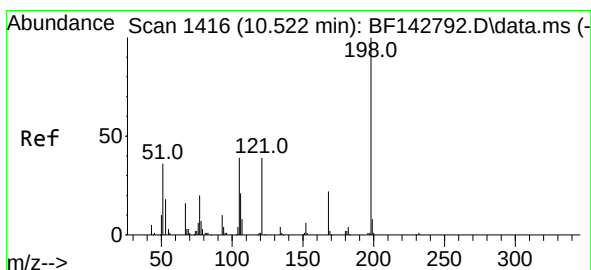
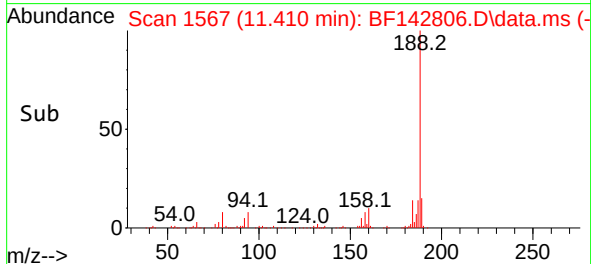
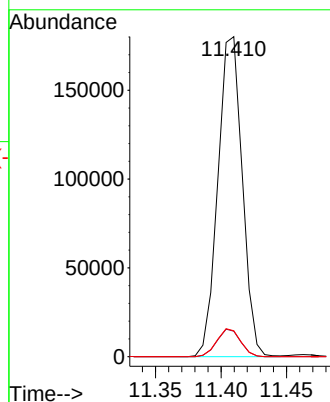
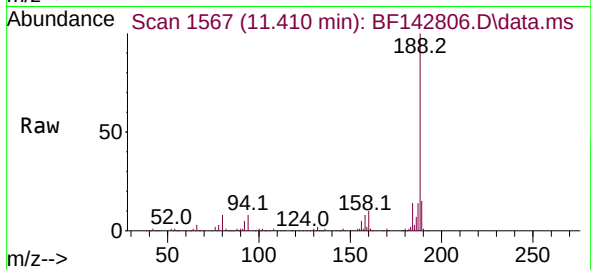
Tgt Ion:188 Resp: 233688

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.1 6.9 10.3



#65

4,6-Dinitro-2-methylphenol

Concen: 0.255 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.188 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

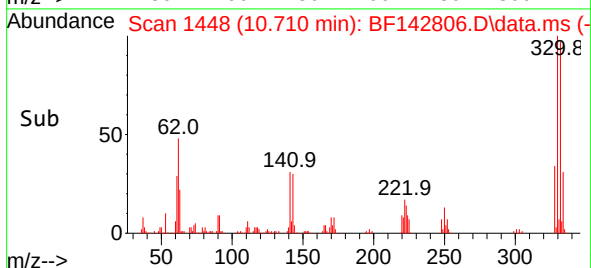
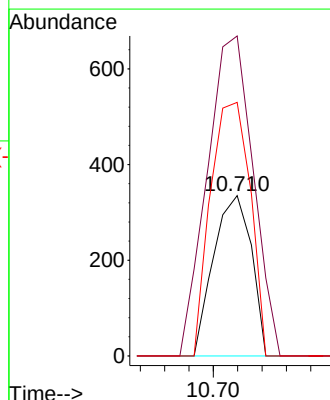
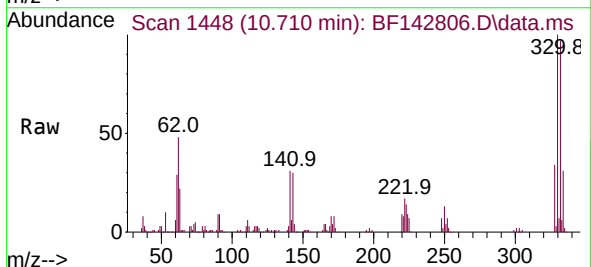
Tgt Ion:198 Resp: 361

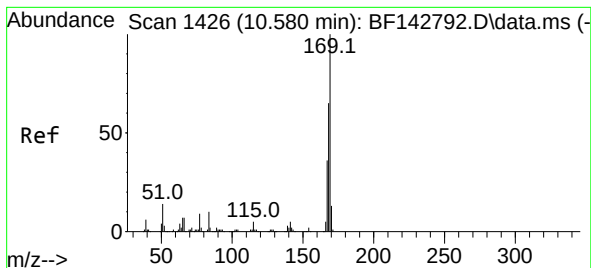
Ion Ratio Lower Upper

198 100

51 199.7 25.4 65.4#

105 158.2 20.4 60.4#





#66

n-Nitrosodiphenylamine

Concen: 0.669 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.129 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

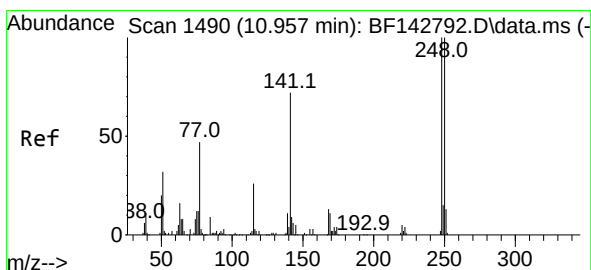
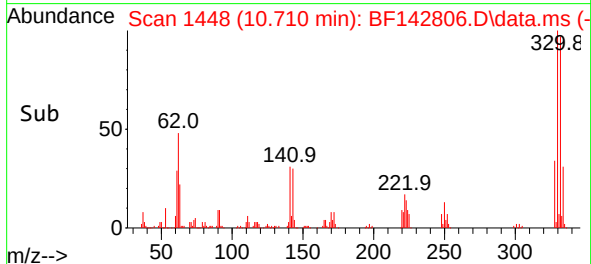
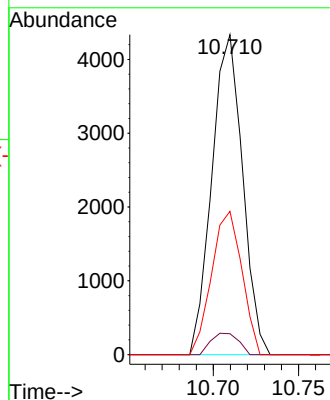
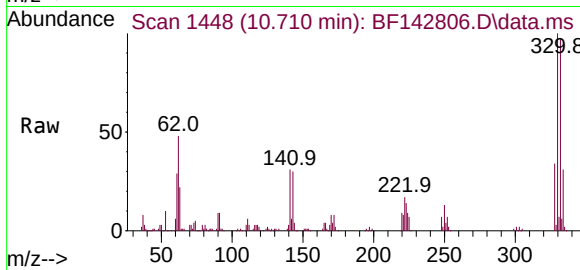
Tgt Ion:169 Resp: 5421

Ion Ratio Lower Upper

169 100

168 6.5 51.9 77.9#

167 44.8 28.5 42.7#



#67

4-Bromophenyl-phenylether

Concen: 4.492 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

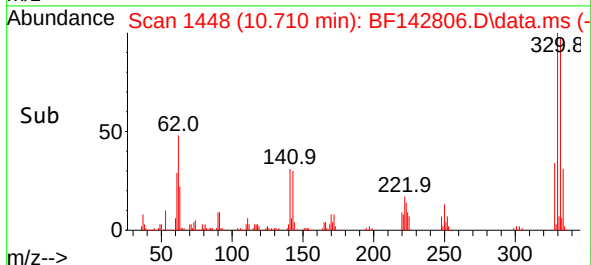
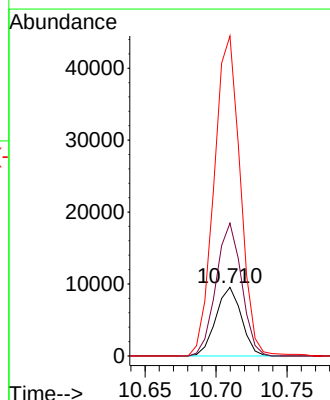
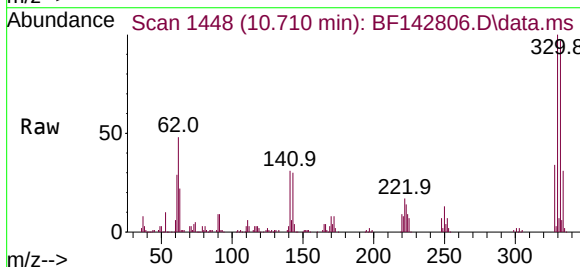
Tgt Ion:248 Resp: 11946

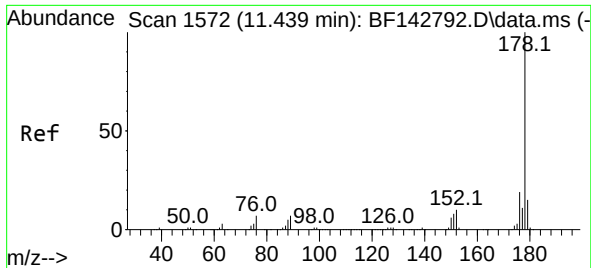
Ion Ratio Lower Upper

248 100

250 193.6 79.8 119.8#

141 467.0 57.8 86.6#

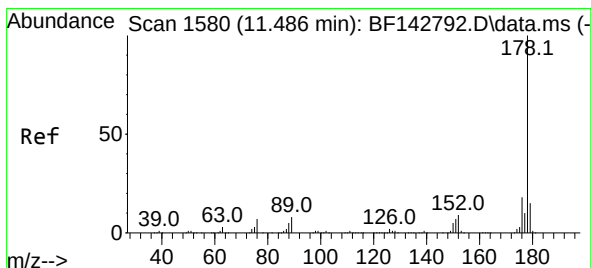
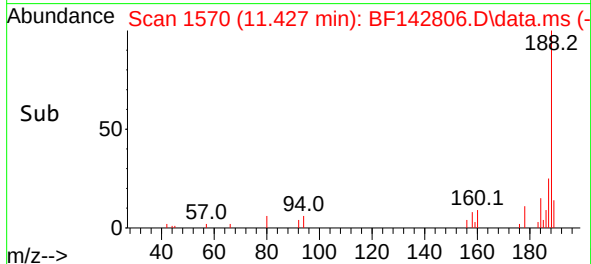
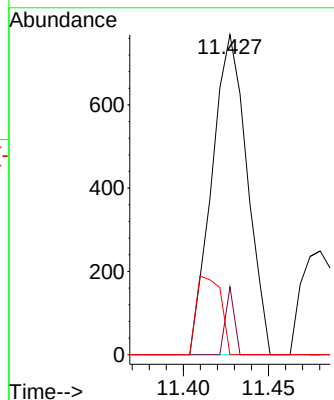
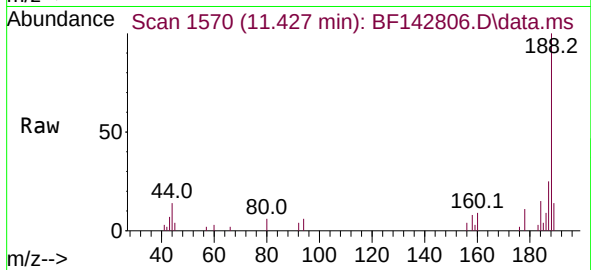




#71
Phenanthrene
Concen: 0.087 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

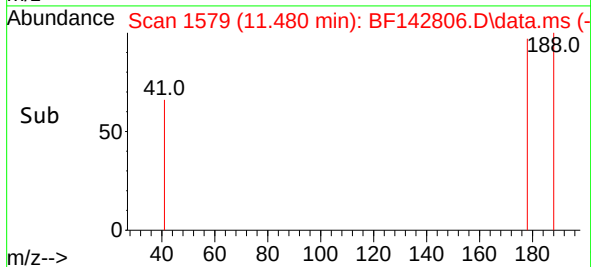
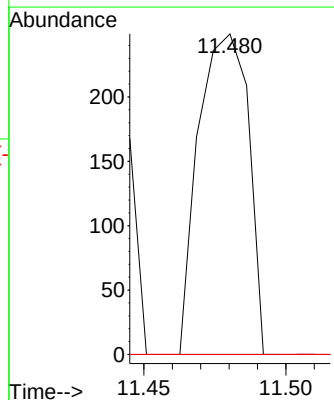
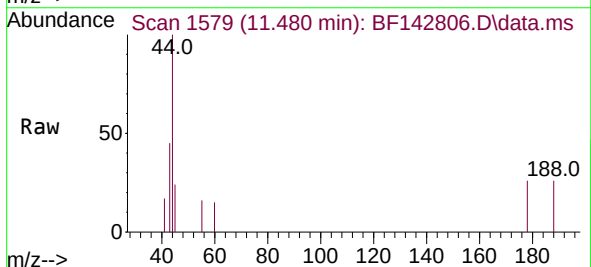
Instrument :
BNA_F
ClientSampleId :
EP-4

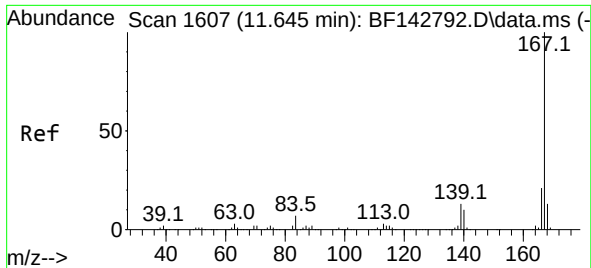
Tgt Ion:178 Resp: 1102
Ion Ratio Lower Upper
178 100
176 21.2 15.1 22.7
179 0.0 12.0 18.0#



#72
Anthracene
Concen: 0.023 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:178 Resp: 304
Ion Ratio Lower Upper
178 100
176 0.0 14.6 21.8#
179 0.0 12.4 18.6#

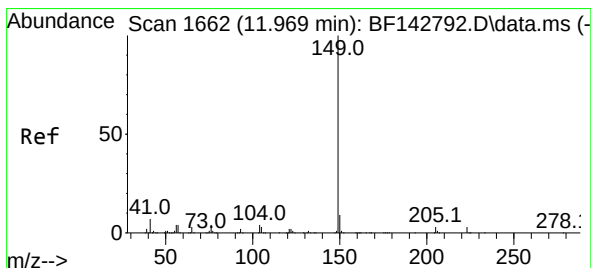
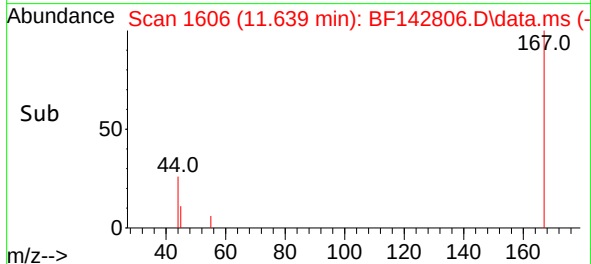
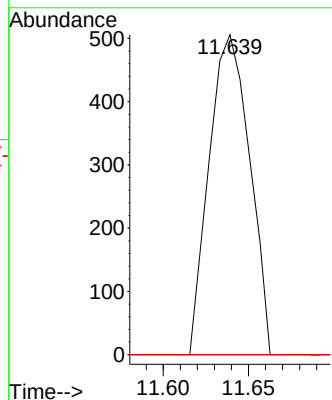
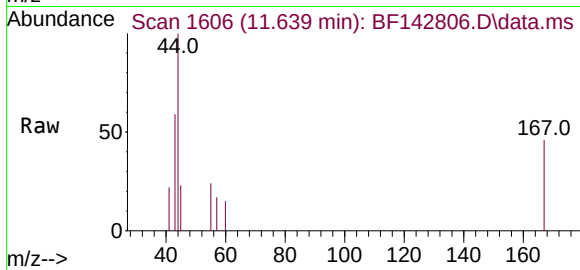




#73
 Carbazole
 Concen: 0.075 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142806.D
 Acq: 23 Jun 2025 15:10

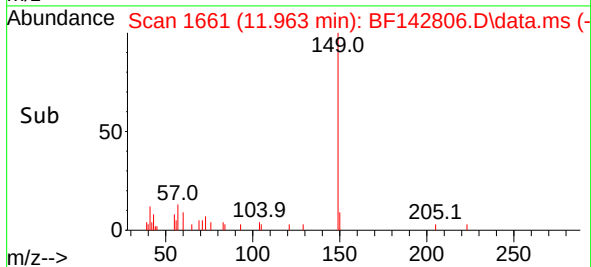
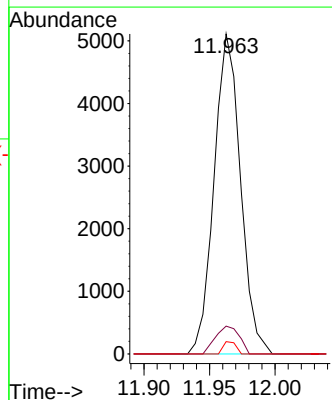
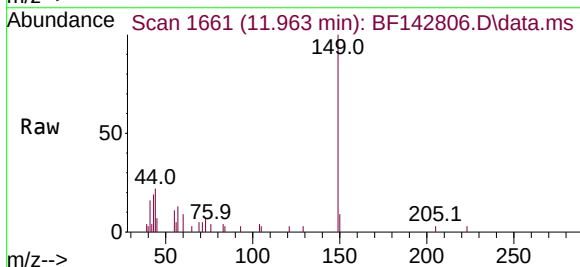
Instrument :
 BNA_F
 ClientSampleId :
 EP-4

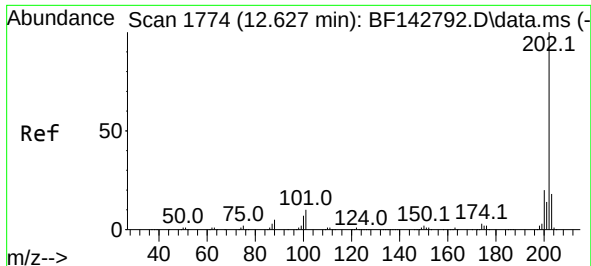
Tgt Ion:167 Resp: 836
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.0 25.4#
 139 0.0 10.2 15.2#



#74
 Di-n-butylphthalate
 Concen: 0.614 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF142806.D
 Acq: 23 Jun 2025 15:10

Tgt Ion:149 Resp: 7164
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.4 11.0
 104 3.8 3.5 5.3

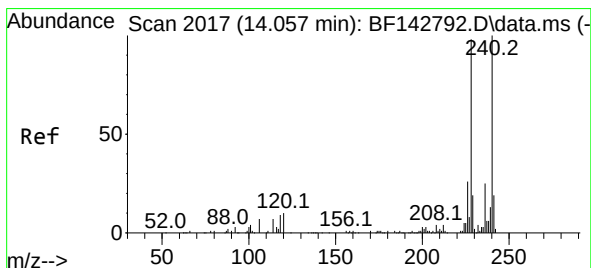
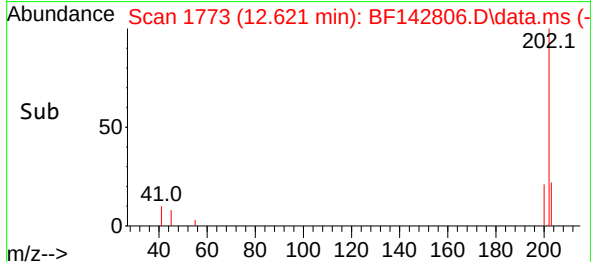
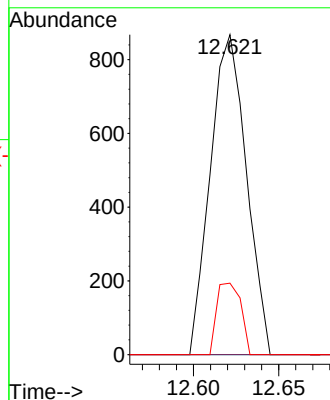
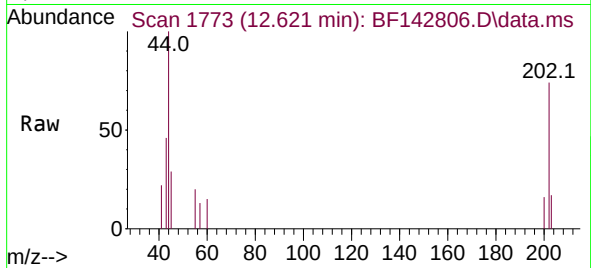




#75
Fluoranthene
Concen: 0.106 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

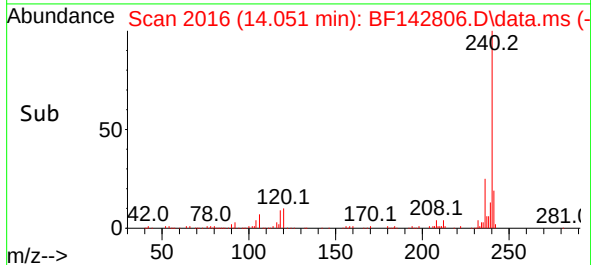
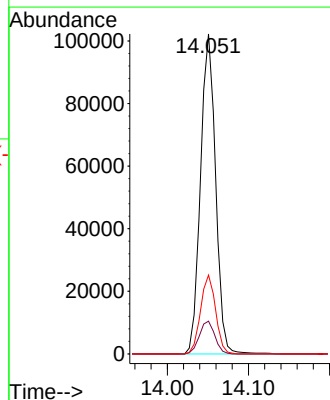
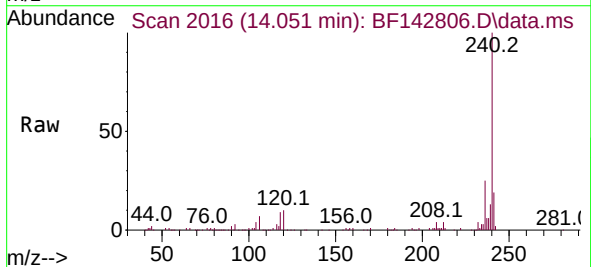
Instrument :
BNA_F
ClientSampleId :
EP-4

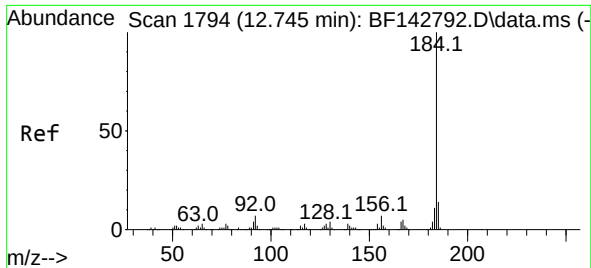
Tgt Ion:202	Resp:	1277
Ion Ratio	Lower	Upper
202	100	
101	0.0	29.7
203	22.4	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:240	Resp:	131922
Ion Ratio	Lower	Upper
240	100	
120	10.2	12.2
236	24.6	29.8

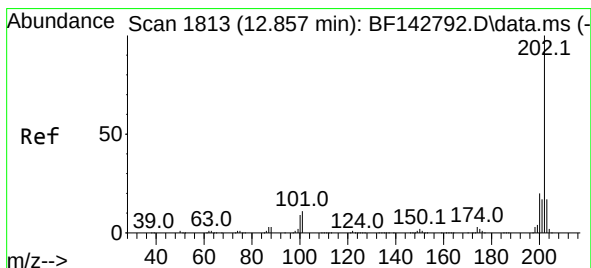
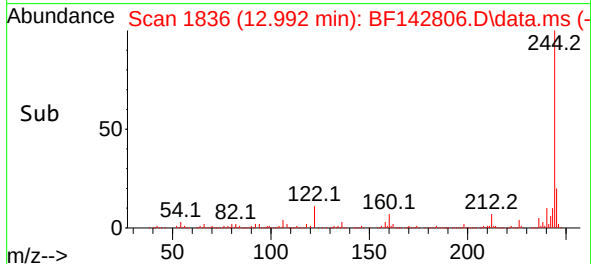
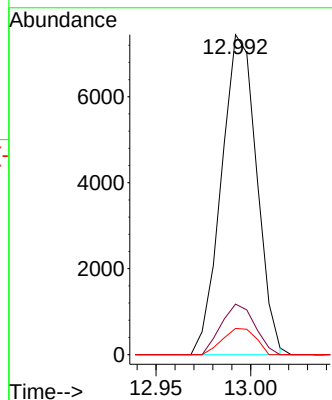
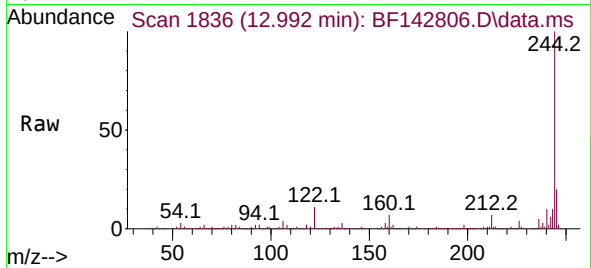




#77
Benzidine
Concen: 1.945 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.247 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

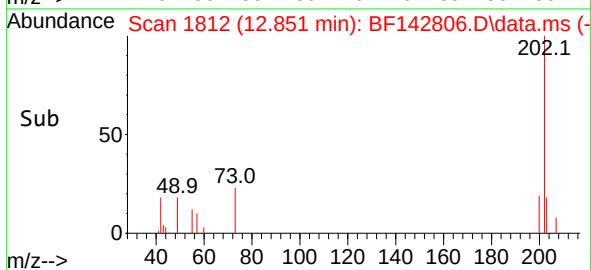
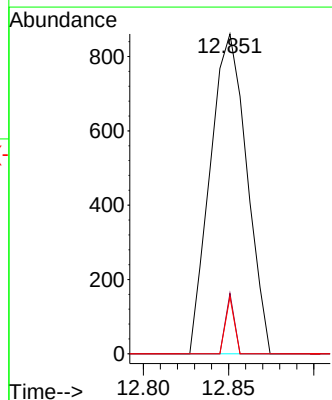
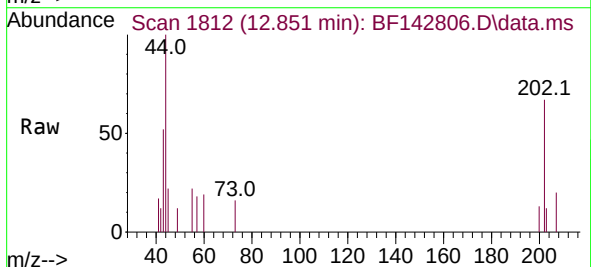
Instrument :
BNA_F
ClientSampleId :
EP-4

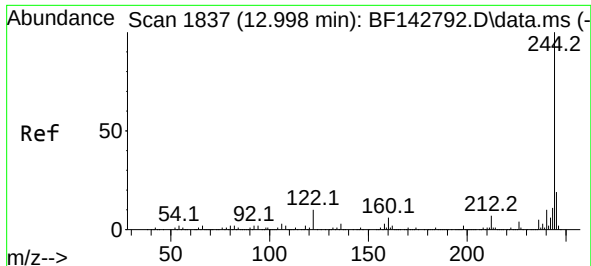
Tgt Ion:184 Resp: 9640
Ion Ratio Lower Upper
184 100
185 15.8 11.5 17.3
183 8.2 9.0 13.4#



#78
Pyrene
Concen: 0.104 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:202 Resp: 1283
Ion Ratio Lower Upper
202 100
200 18.9 15.7 23.5
203 17.8 13.8 20.6

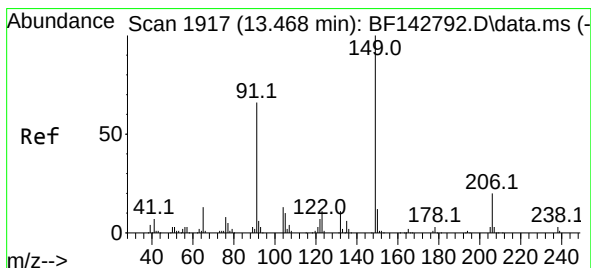
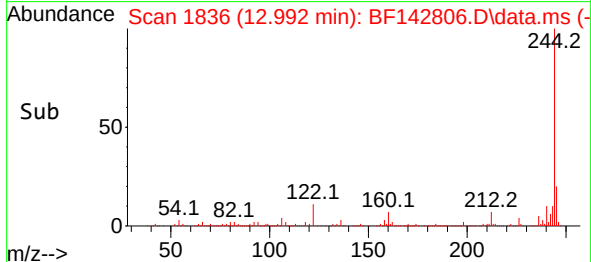
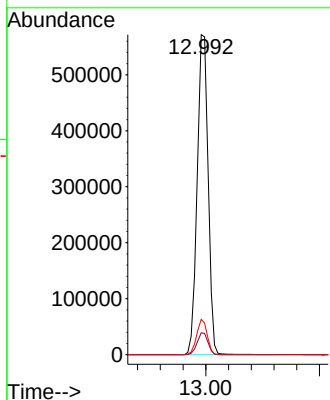
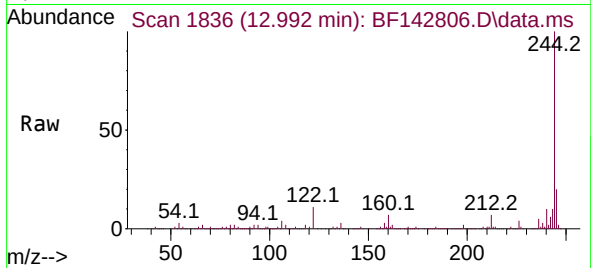




#79
 Terphenyl-d14
 Concen: 79.571 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142806.D
 Acq: 23 Jun 2025 15:10

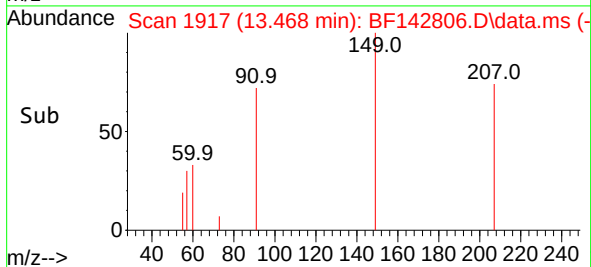
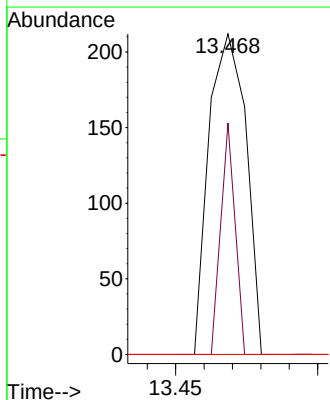
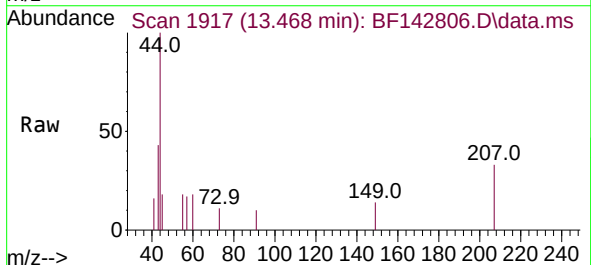
Instrument :
 BNA_F
 ClientSampleId :
 EP-4

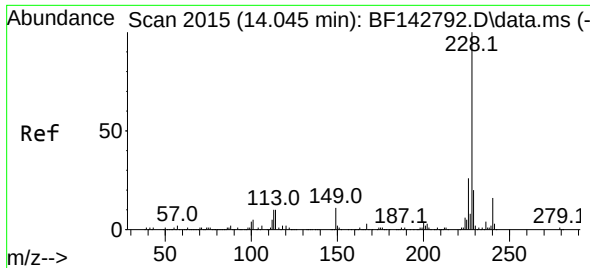
Tgt Ion:244 Resp: 759729
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.0 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 0.054 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: BF142806.D
 Acq: 23 Jun 2025 15:10

Tgt Ion:149 Resp: 193
 Ion Ratio Lower Upper
 149 100
 91 72.2 52.9 79.3
 206 0.0 16.3 24.5#

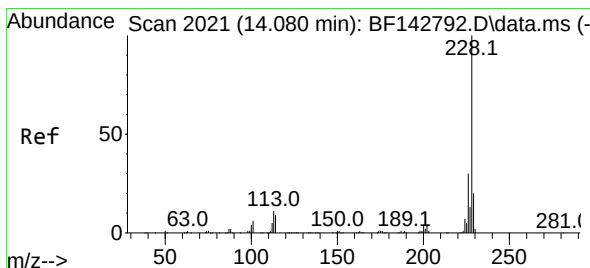
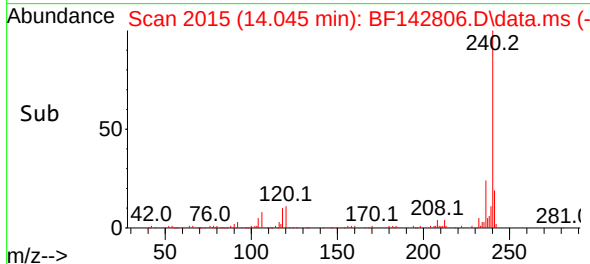
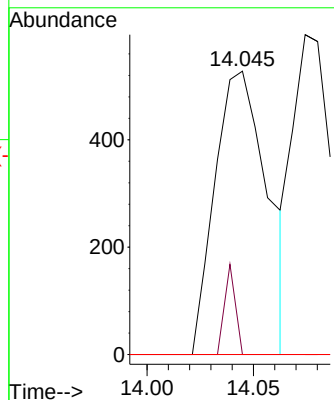
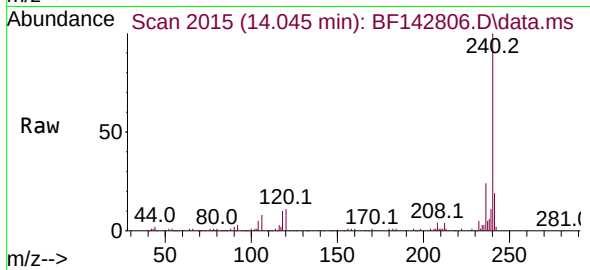




#81
Benzo(a)anthracene
Concen: 0.101 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

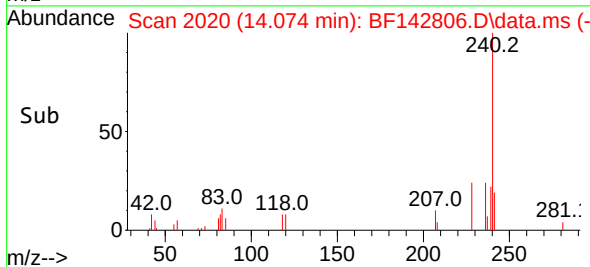
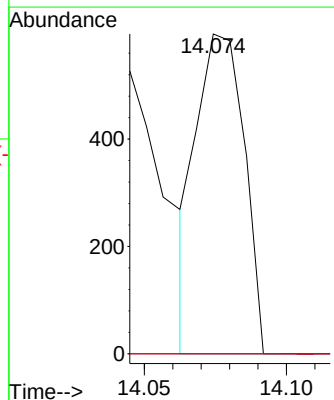
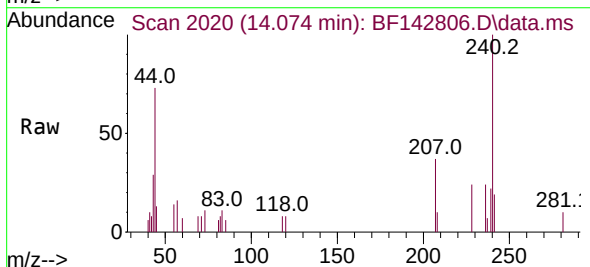
Instrument :
BNA_F
ClientSampleId :
EP-4

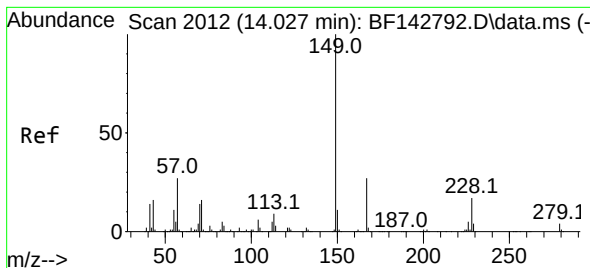
Tgt Ion:228 Resp: 903
Ion Ratio Lower Upper
228 100
226 0.0 21.2 31.8#
229 0.0 15.6 23.4#



#83
Chrysene
Concen: 0.087 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:228 Resp: 694
Ion Ratio Lower Upper
228 100
226 0.0 23.7 35.5#
229 0.0 15.7 23.5#

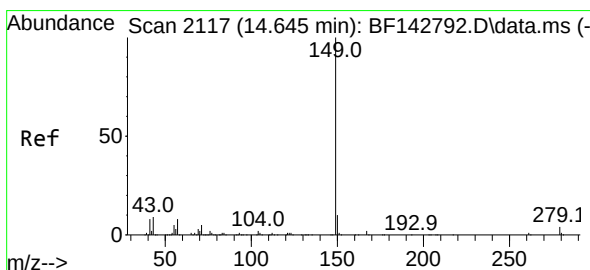
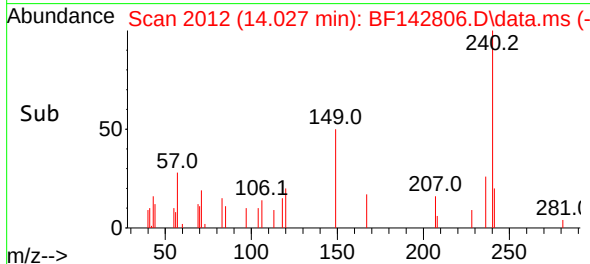
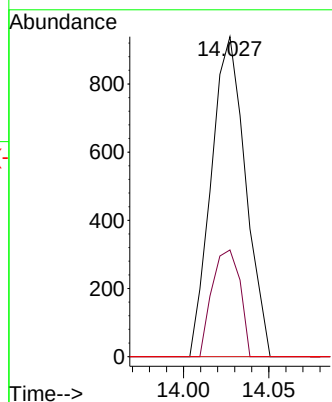
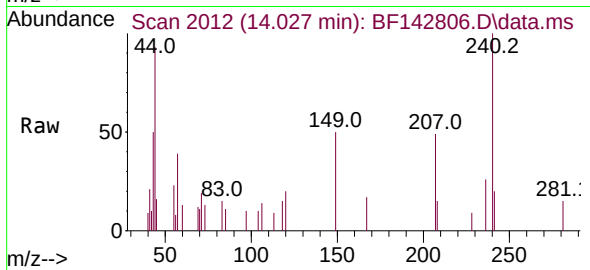




#84
Bis(2-ethylhexyl)phthalate
Concen: 0.254 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

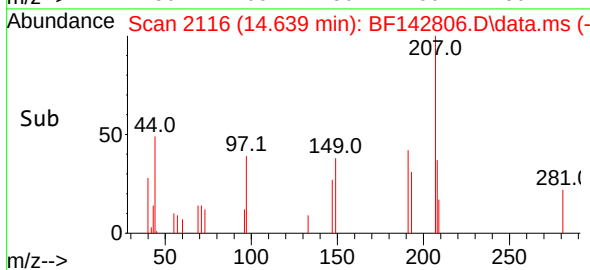
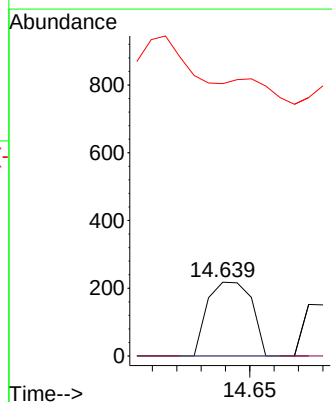
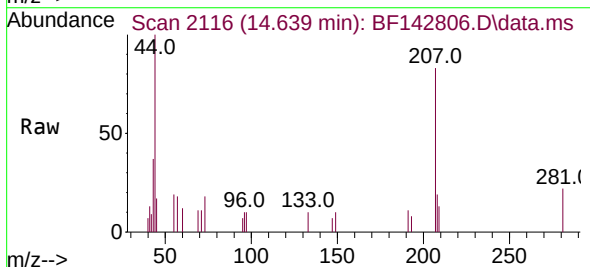
Instrument :
BNA_F
ClientSampleId :
EP-4

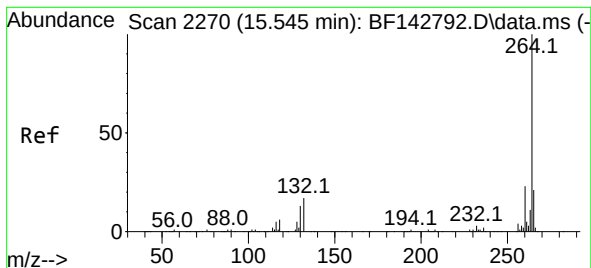
Tgt Ion:149 Resp: 1312
Ion Ratio Lower Upper
149 100
167 33.3 21.4 32.0#
279 0.0 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 0.028 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF142806.D
Acq: 23 Jun 2025 15:10

Tgt Ion:149 Resp: 275
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.6 11.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Instrument :

BNA_F

ClientSampleId :

EP-4

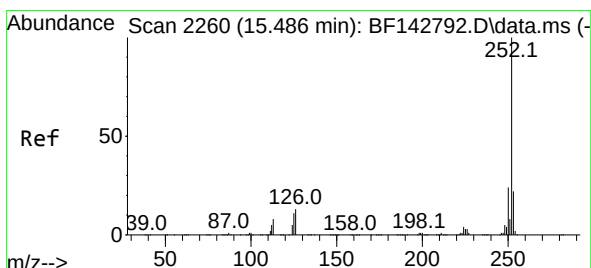
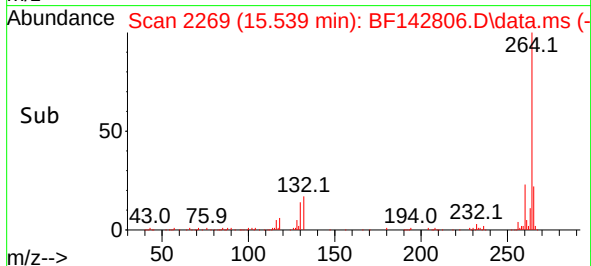
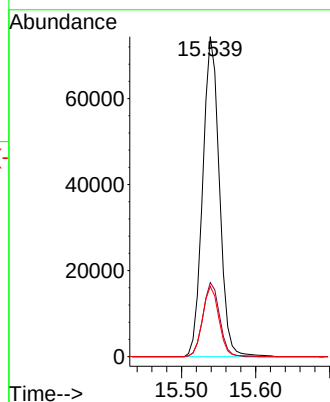
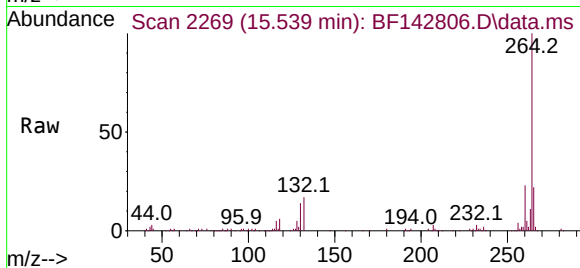
Tgt Ion:264 Resp: 116291

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.9 16.6 25.0



#90

Benzo(a)pyrene

Concen: 0.035 ng

RT: 15.539 min Scan# 2269

Delta R.T. 0.053 min

Lab File: BF142806.D

Acq: 23 Jun 2025 15:10

Tgt Ion:252 Resp: 228

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 0.0 8.6 12.8#

