

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
 Data File : BF142698.D
 Acq On : 09 Jun 2025 18:00
 Operator : RC/JU
 Sample : PB168323BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168323BL

Quant Time: Jun 09 18:24:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 18:21:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

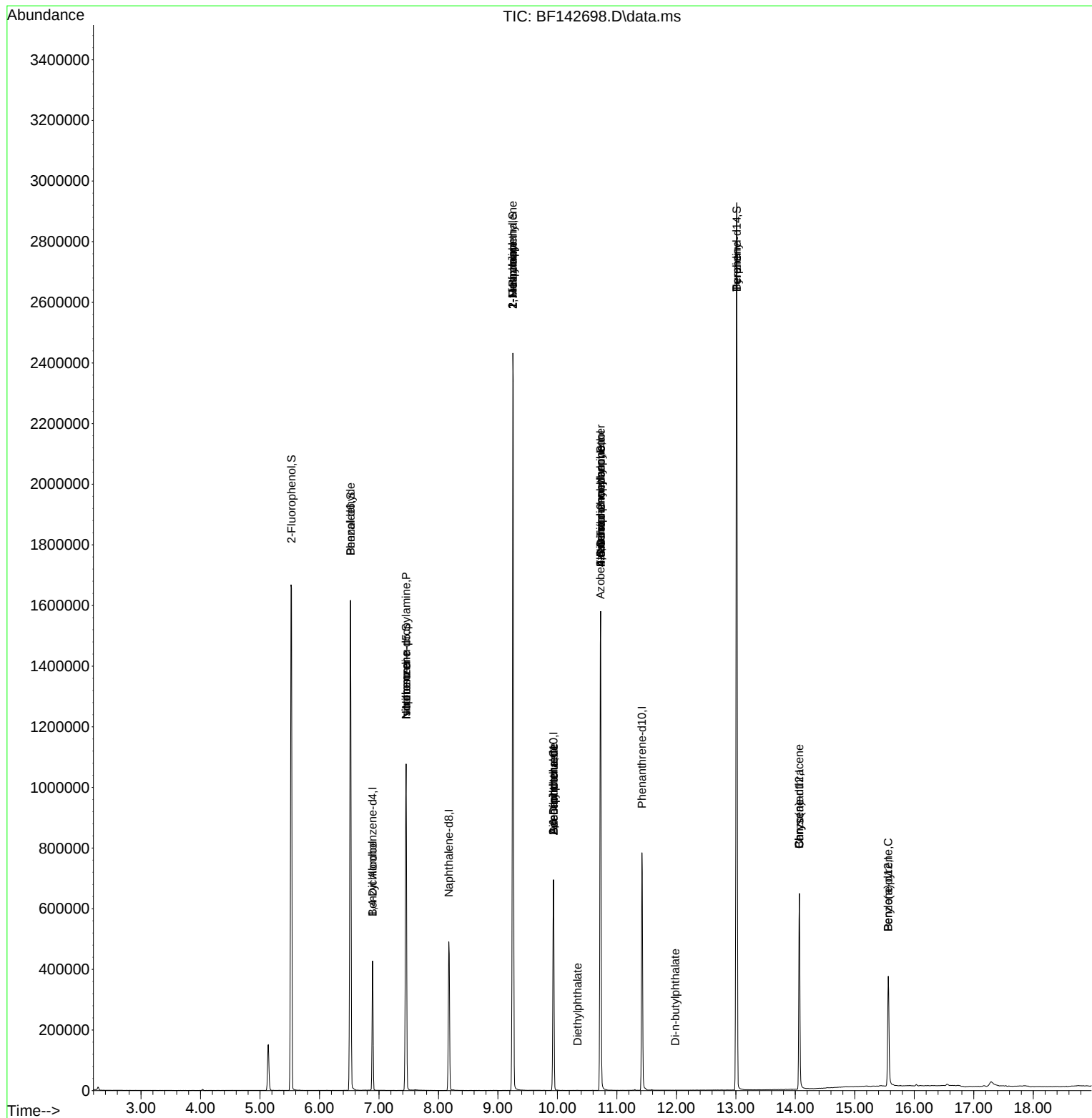
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	93521	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	351832	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	216982	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	443816	20.000	ng	0.00
76) Chrysene-d12	14.069	240	337888	20.000	ng	0.00
86) Perylene-d12	15.563	264	241303	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	700753	127.228	ng	0.01
7) Phenol-d6	6.522	99	846993	131.131	ng	-0.01
23) Nitrobenzene-d5	7.457	82	524096	81.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	305674	125.388	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1238516	78.060	ng	-0.01
79) Terphenyl-d14	13.016	244	1573618	73.655	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.522	77	1092	0.300	ng	# 1
15) Benzyl Alcohol	6.893	79	2212	0.468	ng	# 28
19) n-Nitroso-di-n-propyla...	7.457	70	70247	18.553	ng	# 76
24) Nitrobenzene	7.457	77	1613	0.279	ng	# 34
25) Isophorone	7.457	82	514954	49.579	ng	# 62
38) 1-Methylnaphthalene	9.251	142	438	0.039	ng	# 83
46) 1,1'-Biphenyl	9.251	154	2319	0.137	ng	# 1
48) 2-Nitroaniline	9.251	65	2053	0.546	ng	# 1
50) Dimethylphthalate	9.934	163	31711	2.172	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	27149	8.597	ng	# 29
52) Acenaphthene	9.934	154	718	0.056	ng	# 5
57) 2,4-Dinitrotoluene	9.934	165	27149	6.413	ng	# 29
58) Fluorene	10.728	166	11559	0.786	ng	# 83
60) Diethylphthalate	10.339	149	111	0.008	ng	# 59
63) Azobenzene	10.722	77	1240	0.098	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	520	0.184	ng	# 1
66) n-Nitrosodiphenylamine	10.728	169	8646	0.603	ng	# 44
67) 4-Bromophenyl-phenylether	10.728	248	19313	3.937	ng	# 1
74) Di-n-butylphthalate	11.980	149	115	0.005	ng	# 79
77) Benzidine	13.016	184	18863	1.618	ng	# 95
78) Pyrene	13.016	202	4919	0.179	ng	# 76
81) Benzo(a)anthracene	14.069	228	731	0.033	ng	# 61
83) Chrysene	14.069	228	731	0.035	ng	# 59
90) Benzo(a)pyrene	15.563	252	676	0.050	ng	# 62

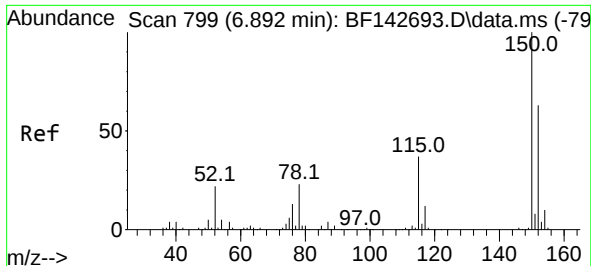
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
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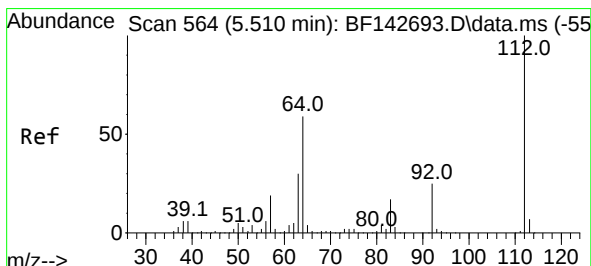
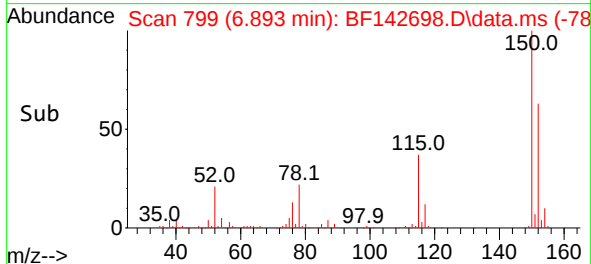
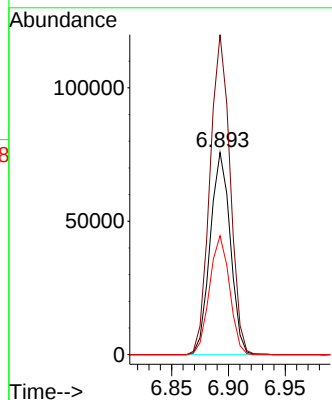
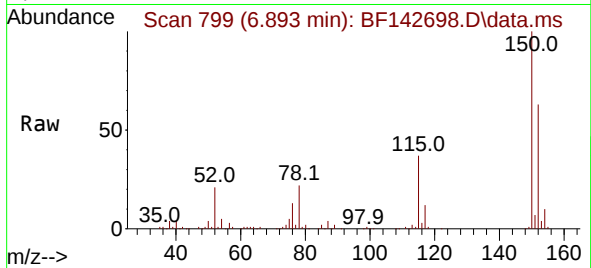




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

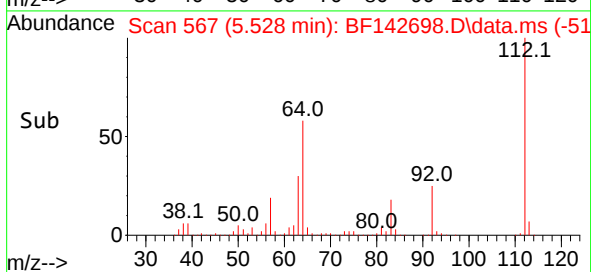
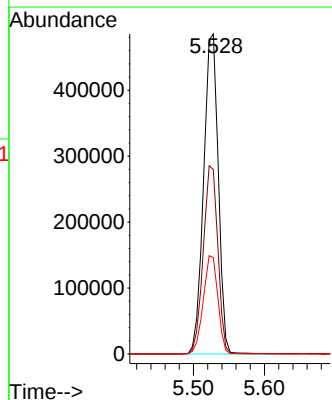
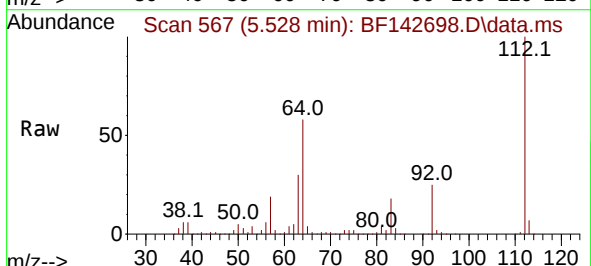
Instrument :
BNA_F
ClientSampleId :
PB168323BL

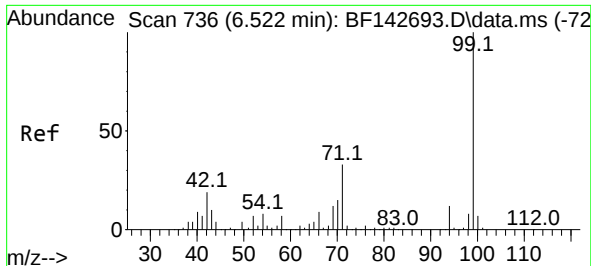
Tgt Ion:152 Resp: 93521
Ion Ratio Lower Upper
152 100
150 158.2 126.8 190.2
115 58.8 46.8 70.2



#5
2-Fluorophenol
Concen: 127.228 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:112 Resp: 700753
Ion Ratio Lower Upper
112 100
64 57.6 46.9 70.3
63 30.2 24.3 36.5

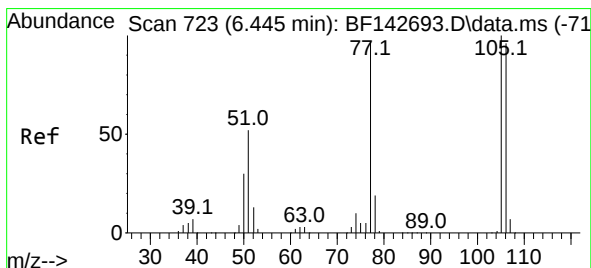
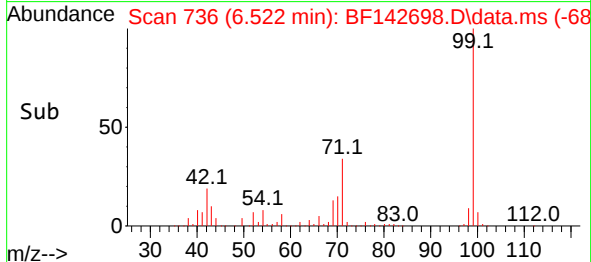
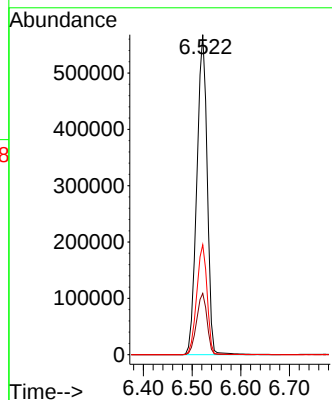
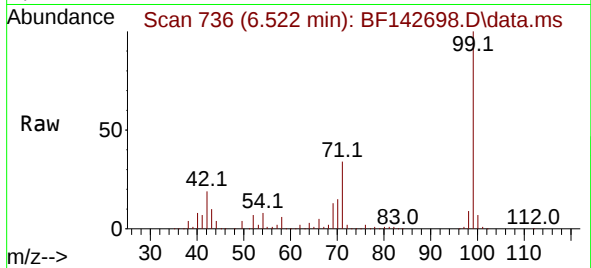




#7
Phenol-d6
Concen: 131.131 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

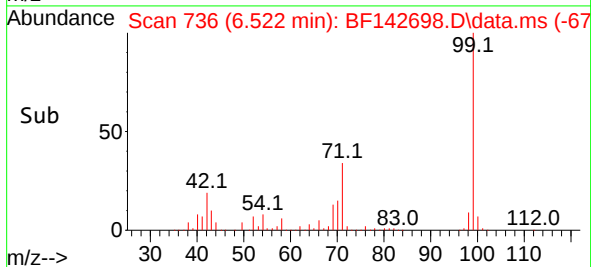
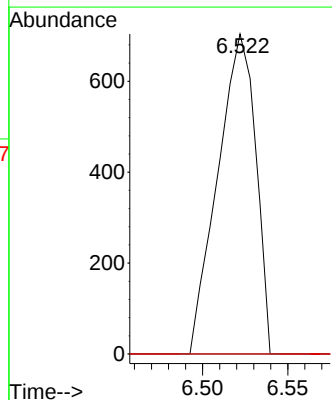
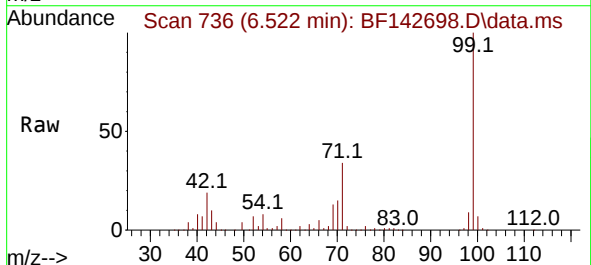
Instrument :
BNA_F
ClientSampleId :
PB168323BL

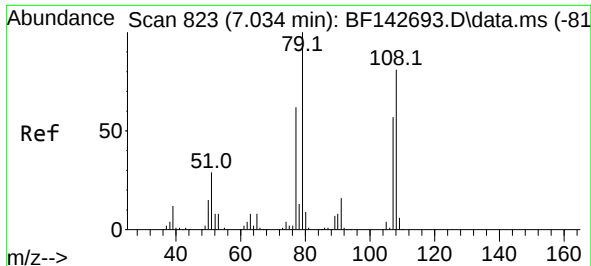
Tgt Ion: 99 Resp: 846993
Ion Ratio Lower Upper
99 100
42 19.2 15.3 22.9
71 34.3 26.3 39.5



#9
Benzaldehyde
Concen: 0.300 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.077 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

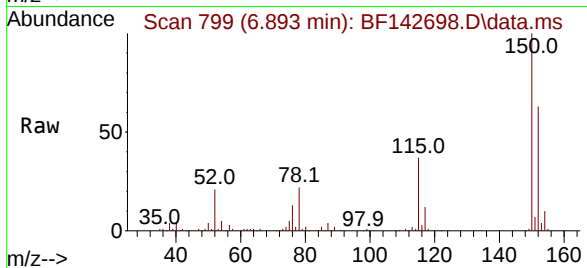
Tgt Ion: 77 Resp: 1092
Ion Ratio Lower Upper
77 100
105 0.0 83.2 123.2#
106 0.0 78.7 118.7#



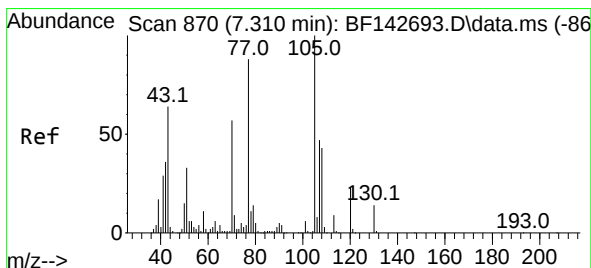
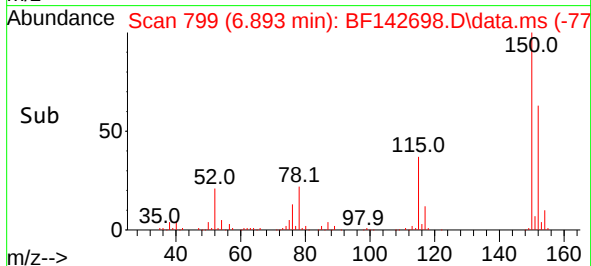
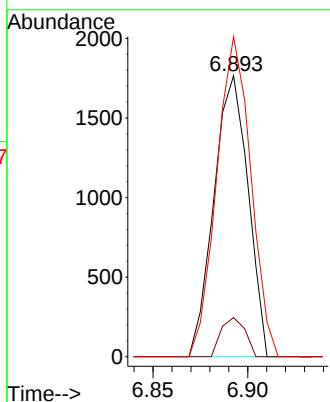


#15
Benzyl Alcohol
Concen: 0.468 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.153 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Instrument :
BNA_F
ClientSampleId :
PB168323BL

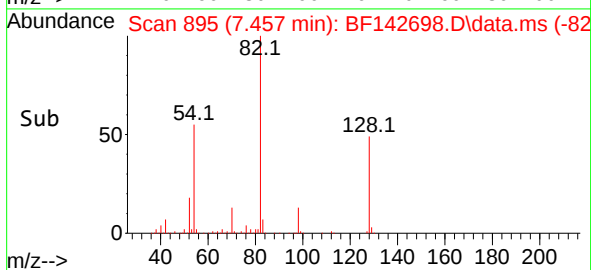
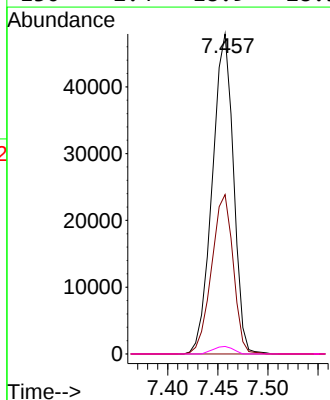
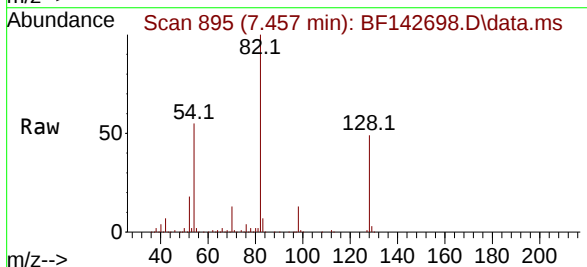


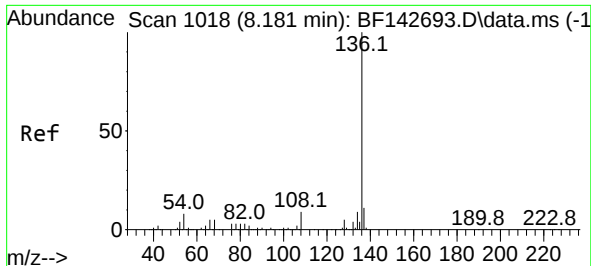
Tgt Ion: 79 Resp: 2212
Ion Ratio Lower Upper
79 100
108 13.9 64.8 97.2#
77 113.9 49.4 74.2#



#19
n-Nitroso-di-n-propylamine
Concen: 18.553 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion: 70 Resp: 70247
Ion Ratio Lower Upper
70 100
42 49.8 50.1 75.1#
101 0.0 8.1 12.1#
130 2.4 18.9 28.3#

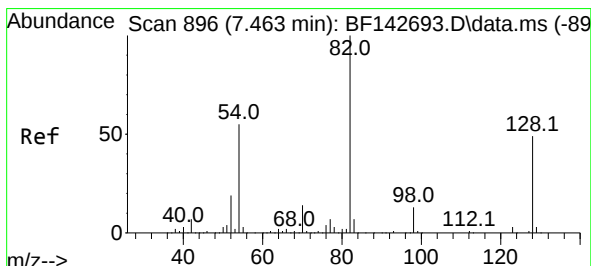
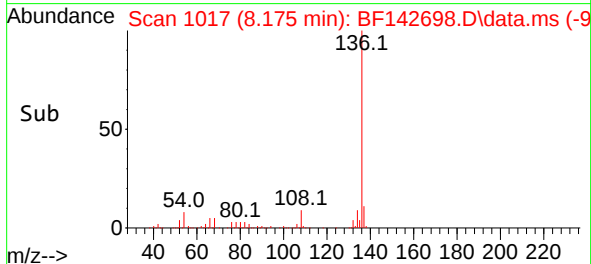
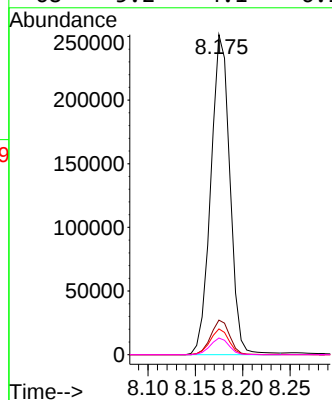
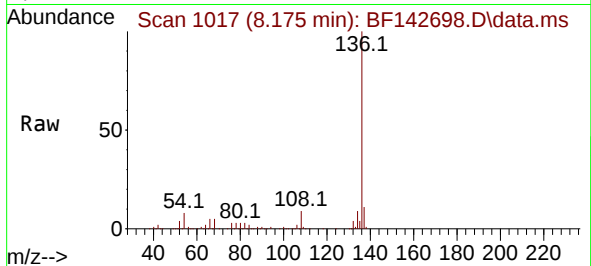




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

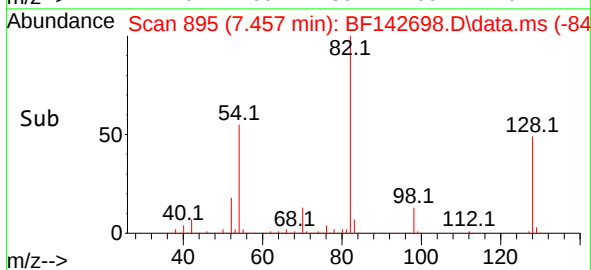
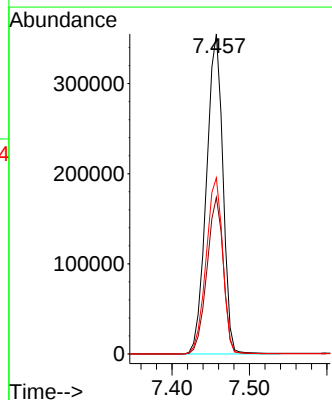
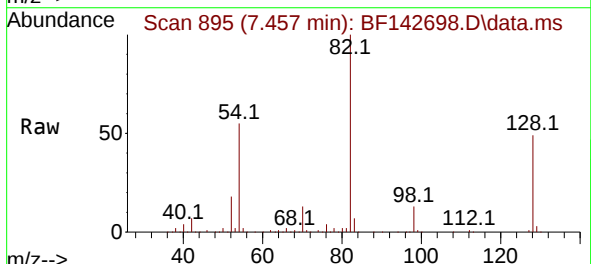
Instrument :
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ClientSampleId :
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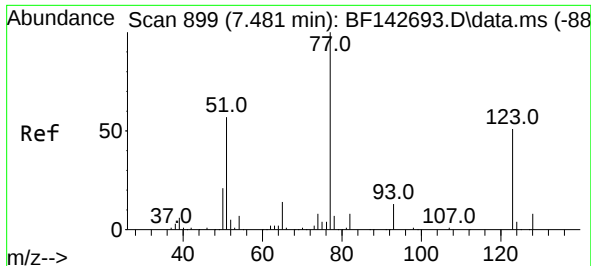
Tgt Ion:136 Resp: 351832
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.0 6.4 9.6
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 81.865 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion: 82 Resp: 524096
Ion Ratio Lower Upper
82 100
128 49.0 39.3 58.9
54 55.1 44.2 66.2

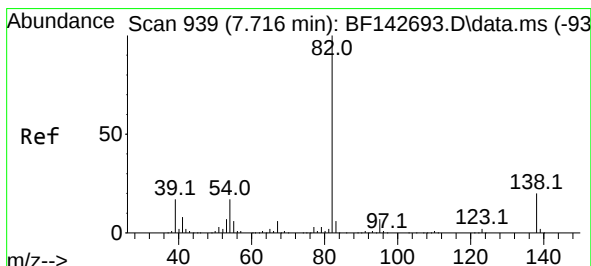
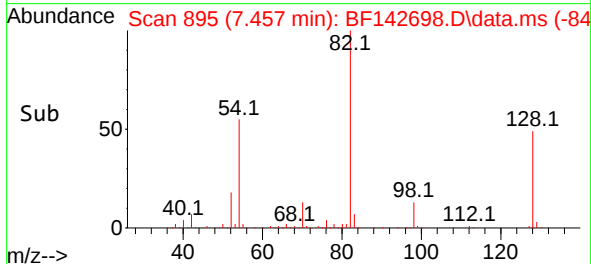
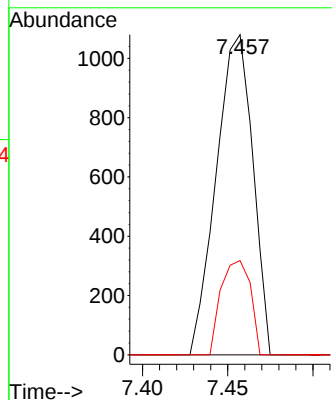
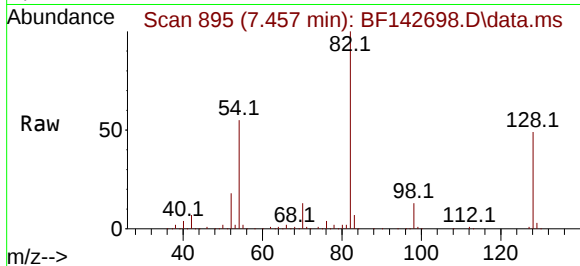




#24
Nitrobenzene
Concen: 0.279 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.029 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

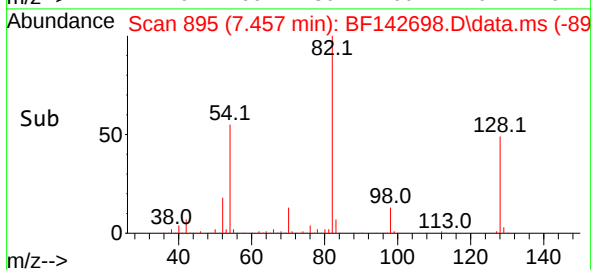
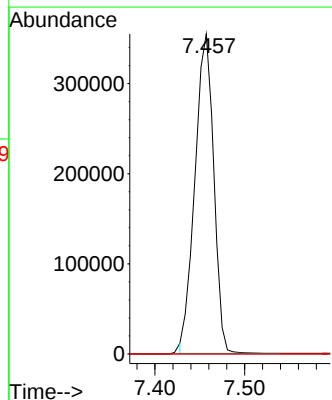
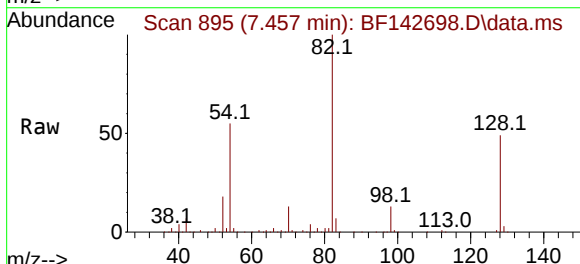
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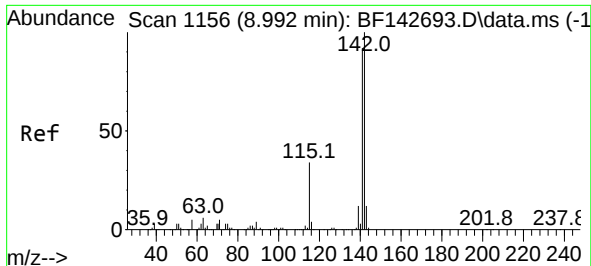
Tgt Ion: 77 Resp: 1613
Ion Ratio Lower Upper
77 100
123 0.0 41.3 61.9#
65 29.4 11.2 16.8#



#25
Isophorone
Concen: 49.579 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion: 82 Resp: 514954
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 16.1 24.1#

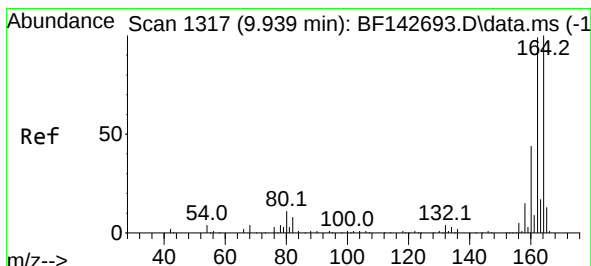
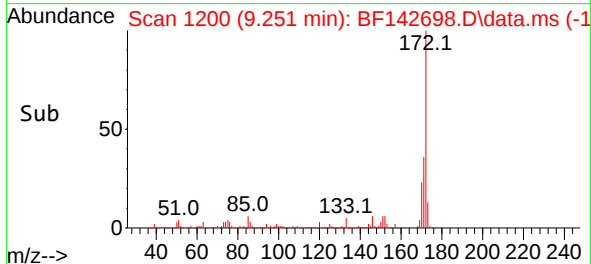
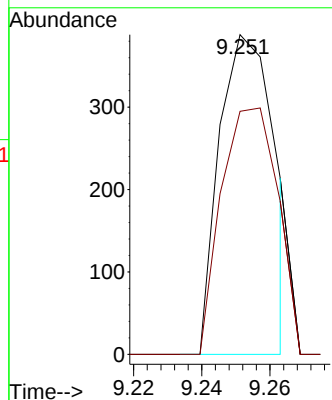
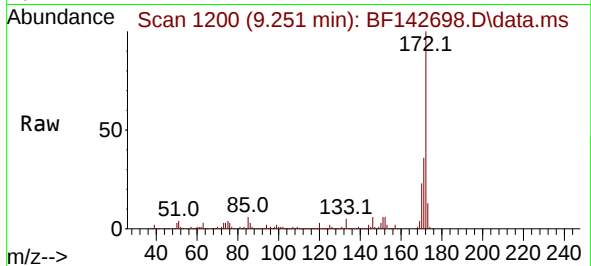




#38
1-Methylnaphthalene
Concen: 0.039 ng
RT: 9.251 min Scan# 1156
Delta R.T. 0.253 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

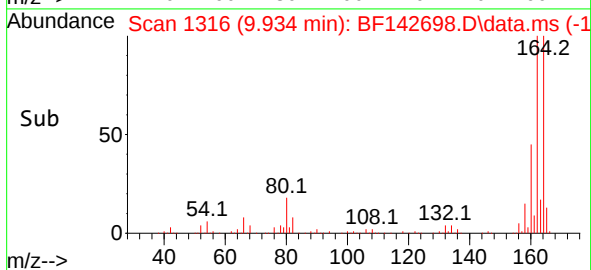
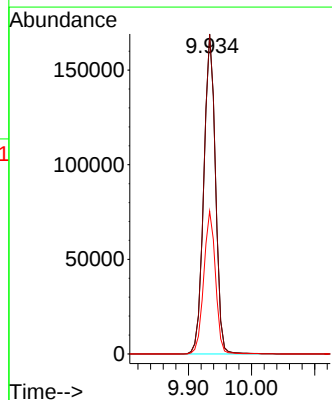
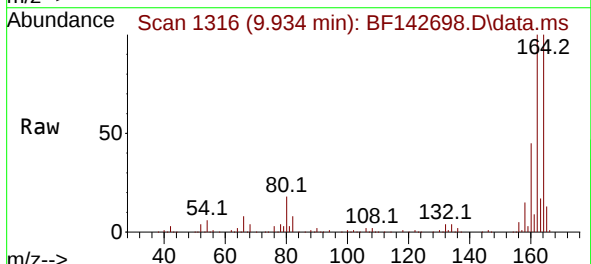
Instrument :
BNA_F
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PB168323BL

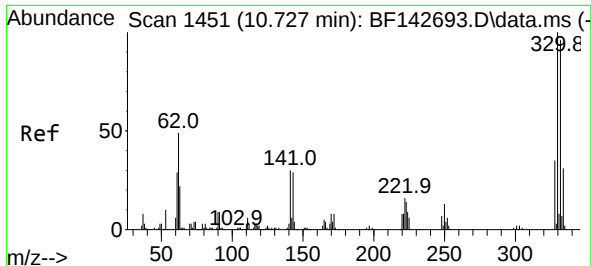
Tgt Ion:142 Resp: 438
Ion Ratio Lower Upper
142 100
141 76.0 73.7 110.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

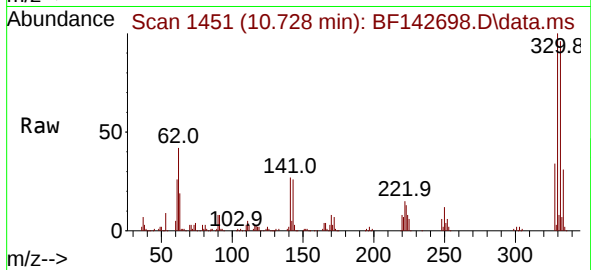
Tgt Ion:164 Resp: 216982
Ion Ratio Lower Upper
164 100
162 99.8 79.1 118.7
160 44.6 35.4 53.0



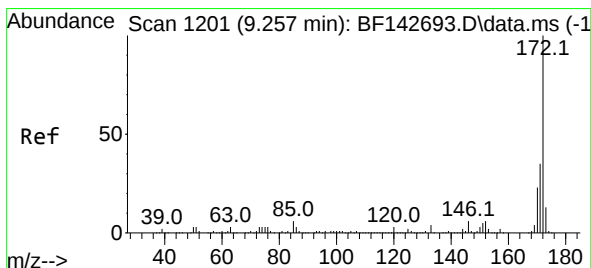
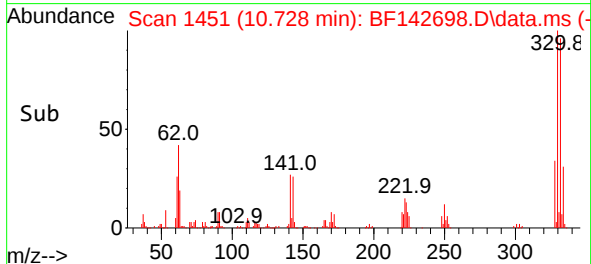
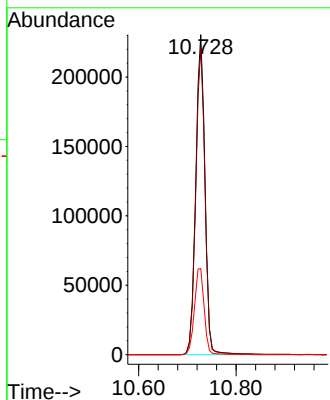


#42
2,4,6-Tribromophenol
Concen: 125.388 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Instrument :
BNA_F
ClientSampleId :
PB168323BL

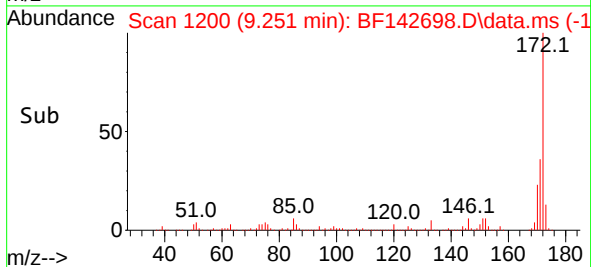
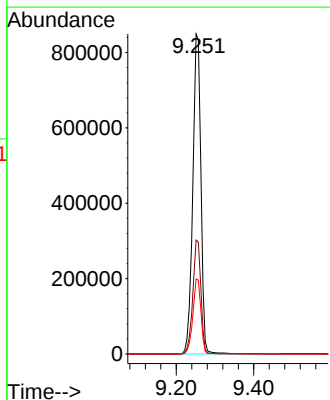
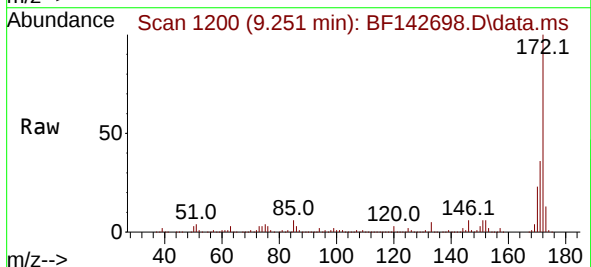


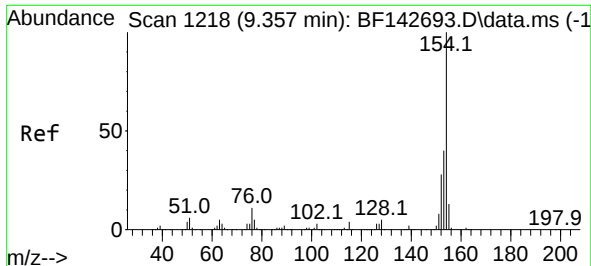
Tgt Ion:330 Resp: 305674
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 28.6 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 78.060 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:172 Resp: 1238516
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.5 18.7 28.1





#46

1,1'-Biphenyl

Concen: 0.137 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.112 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Instrument :

BNA_F

ClientSampleId :

PB168323BL

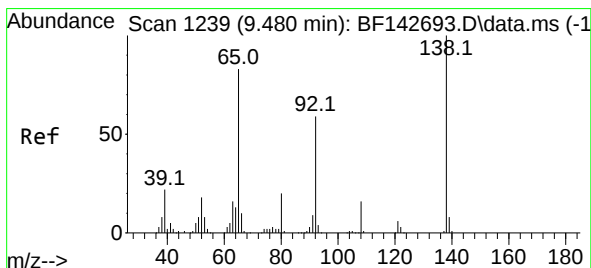
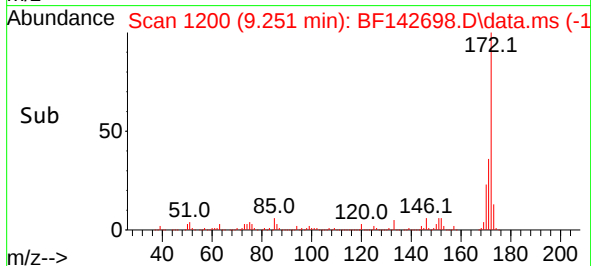
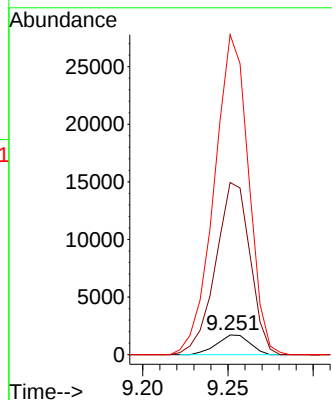
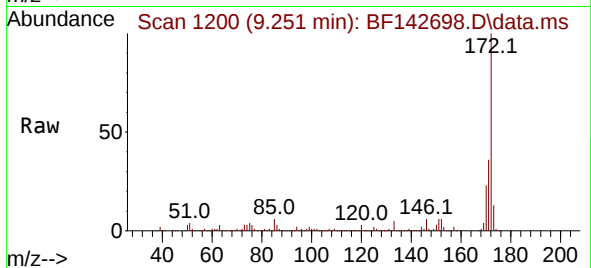
Tgt Ion:154 Resp: 2319

Ion Ratio Lower Upper

154 100

153 876.3 20.4 60.4#

76 1628.6 0.0 31.4#



#48

2-Nitroaniline

Concen: 0.546 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.235 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

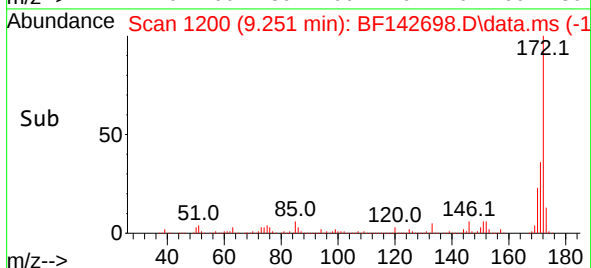
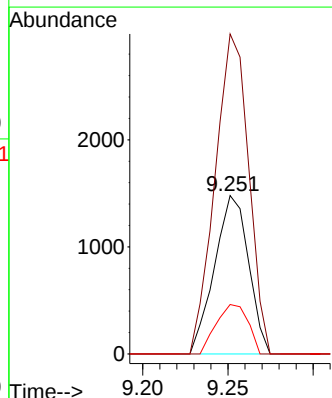
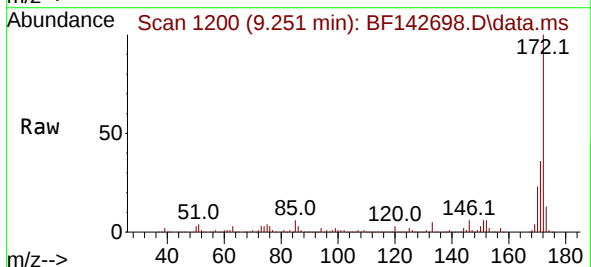
Tgt Ion: 65 Resp: 2053

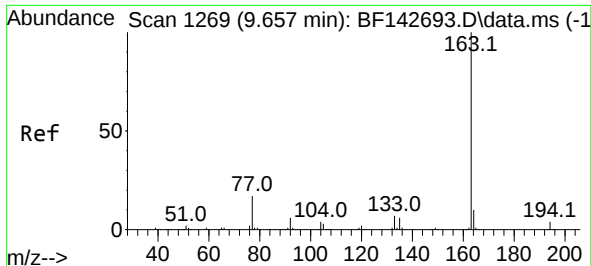
Ion Ratio Lower Upper

65 100

92 202.1 56.3 84.5#

138 31.2 95.9 143.9#

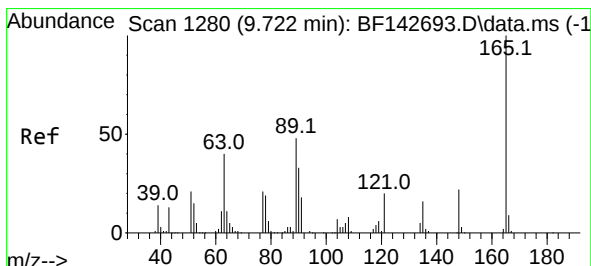
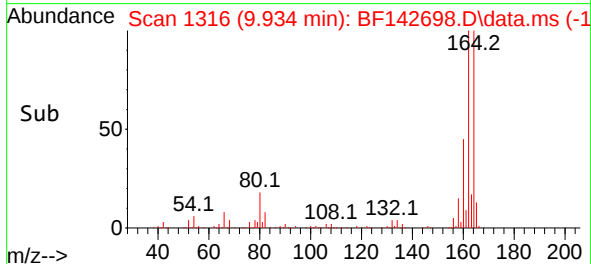
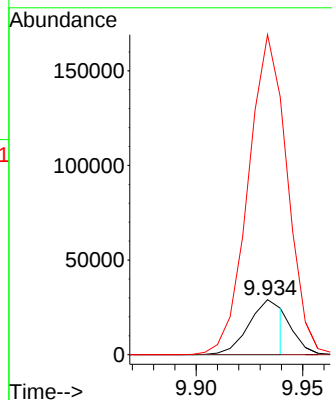
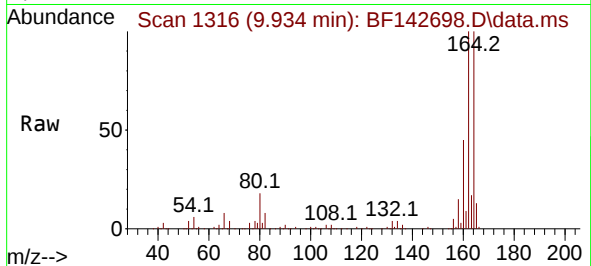




#50
Dimethylphthalate
Concen: 2.172 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

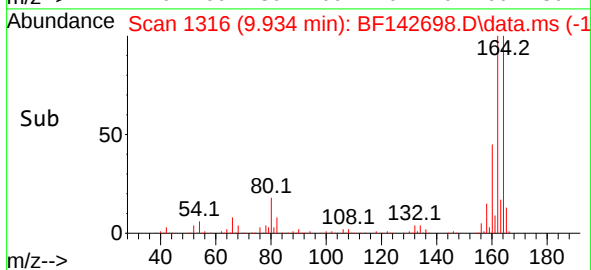
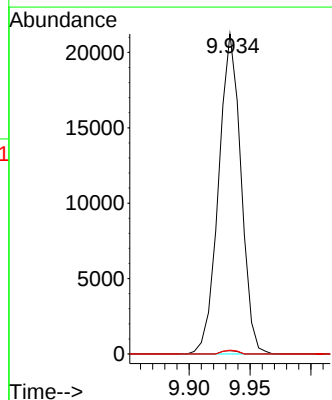
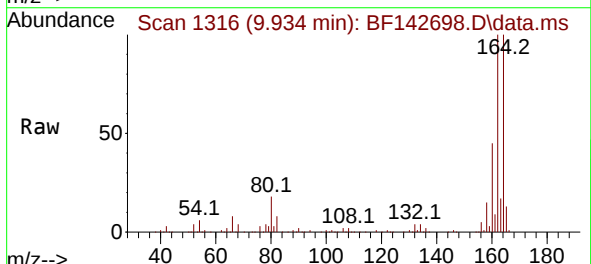
Instrument :
BNA_F
ClientSampleId :
PB168323BL

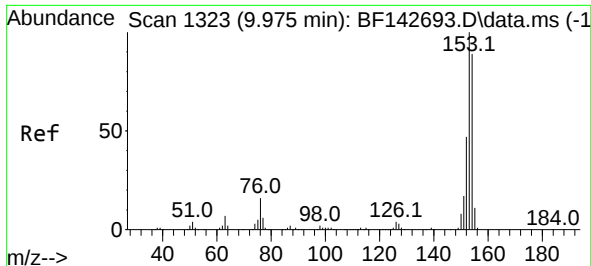
Tgt Ion:163 Resp: 31711
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 581.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:165 Resp: 27149
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.2 38.1 57.1#

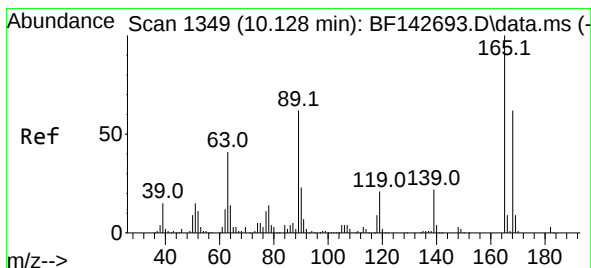
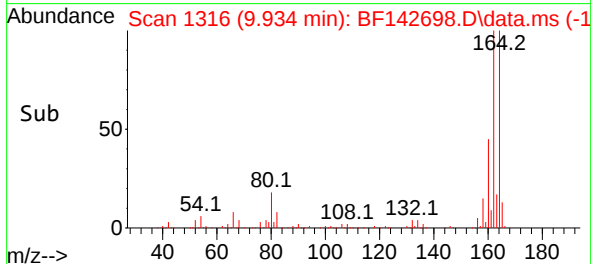
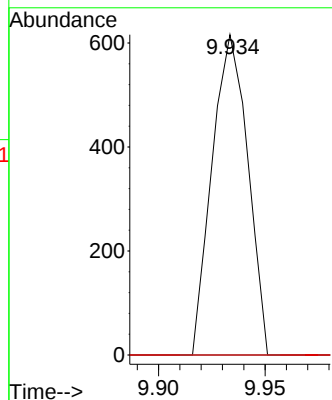
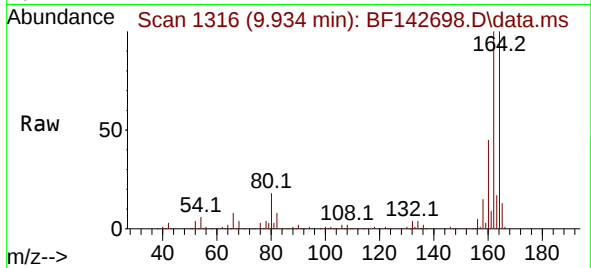




#52
Acenaphthene
Concen: 0.056 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

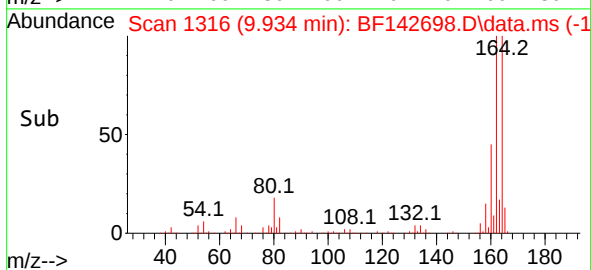
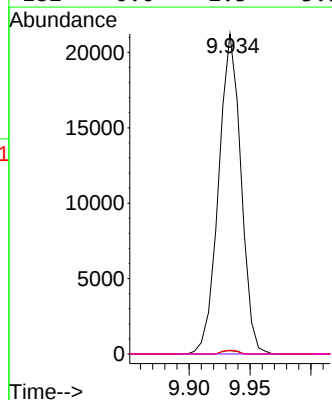
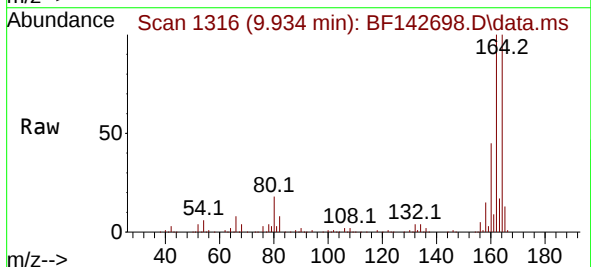
Instrument :
BNA_F
ClientSampleId :
PB168323BL

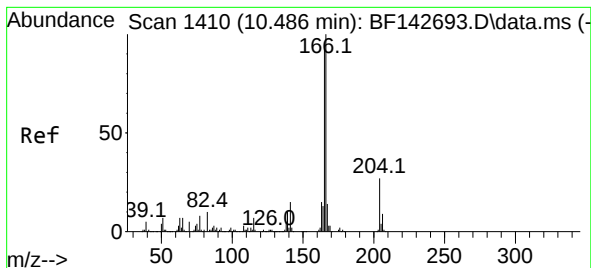
Tgt Ion:154 Resp: 718
Ion Ratio Lower Upper
154 100
153 0.0 89.5 134.3#
152 0.0 41.8 62.8#



#57
2,4-Dinitrotoluene
Concen: 6.413 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:165 Resp: 27149
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.2 49.4 74.0#
182 0.0 2.3 3.5#





#58

Fluorene

Concen: 0.786 ng

RT: 10.728 min Scan# 1410

Delta R.T. 0.235 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Instrument :

BNA_F

ClientSampleId :

PB168323BL

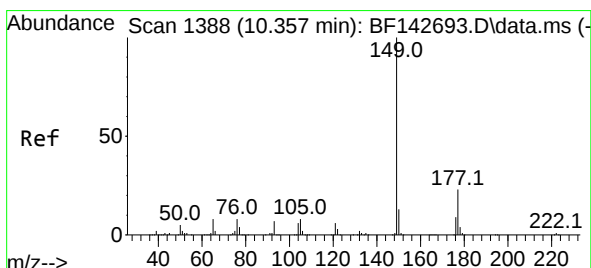
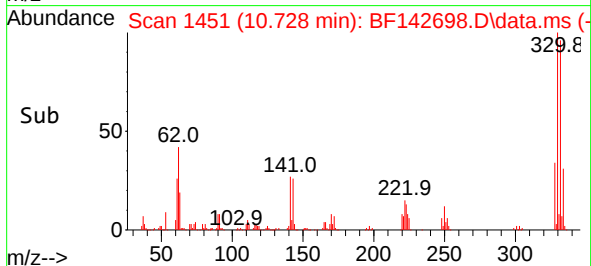
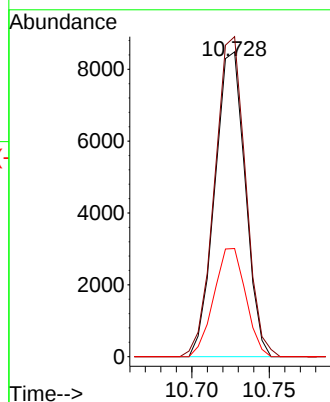
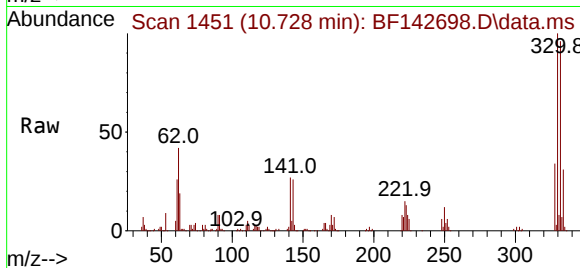
Tgt Ion:166 Resp: 11559

Ion Ratio Lower Upper

166 100

165 105.0 75.0 112.6

167 35.5 10.8 16.2#



#60

Diethylphthalate

Concen: 0.008 ng

RT: 10.339 min Scan# 1385

Delta R.T. -0.023 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

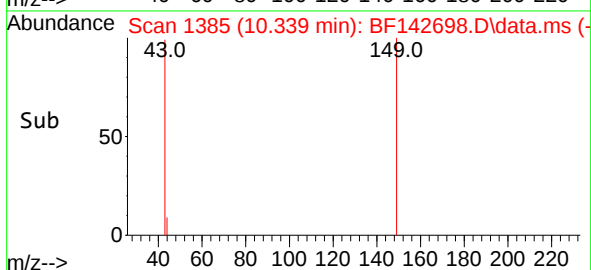
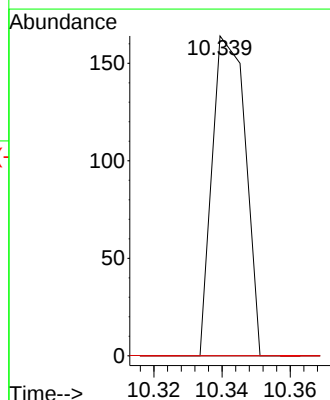
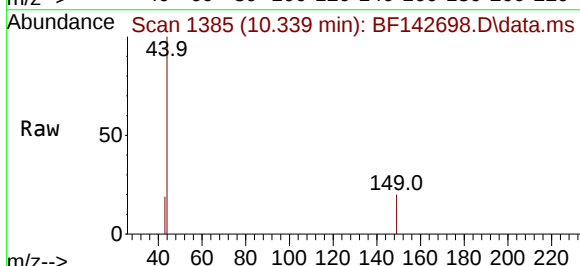
Tgt Ion:149 Resp: 111

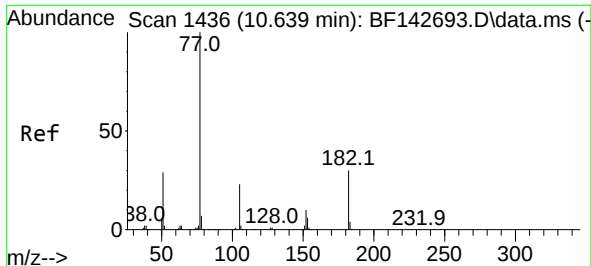
Ion Ratio Lower Upper

149 100

177 0.0 18.0 27.0#

150 0.0 10.0 15.0#

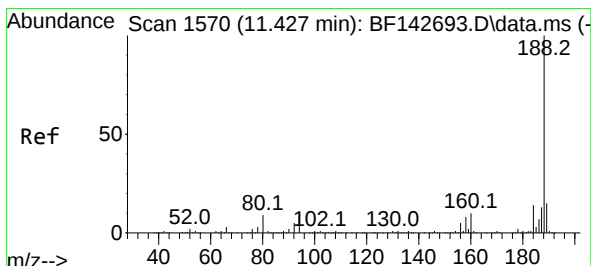
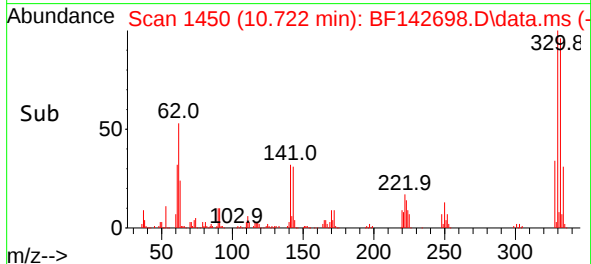
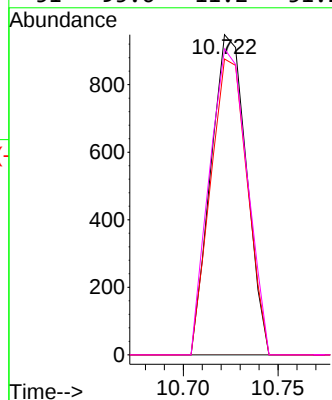
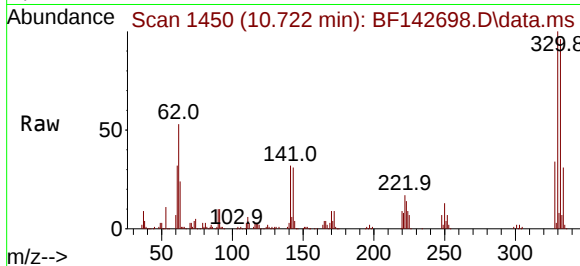




#63
Azobenzene
Concen: 0.098 ng
RT: 10.722 min Scan# 1436
Delta R.T. 0.082 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

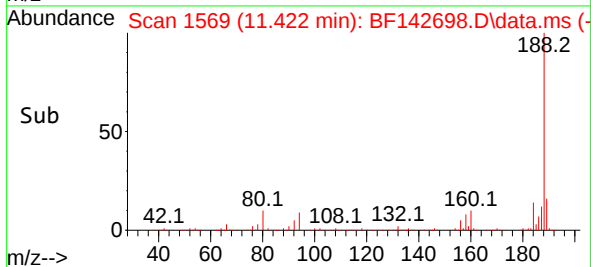
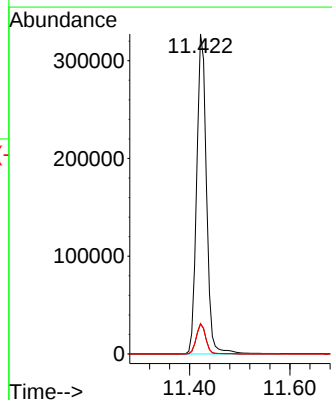
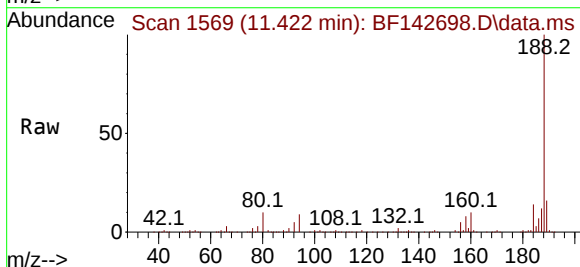
Instrument :
BNA_F
ClientSampleId :
PB168323BL

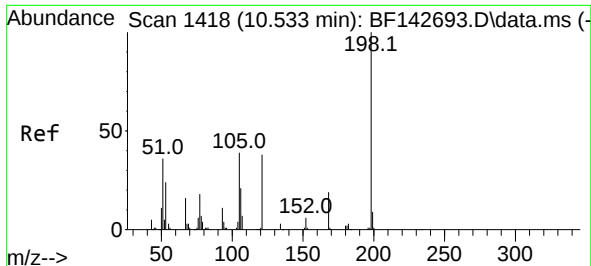
Tgt Ion: 77	Resp: 1240
Ion Ratio	Lower Upper
77 100	
182 0.0	9.5 49.5#
105 92.4	2.3 42.3#
51 95.6	11.2 51.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion: 188	Resp: 443816
Ion Ratio	Lower Upper
188 100	
94 9.3	7.0 10.4
80 9.6	7.2 10.8

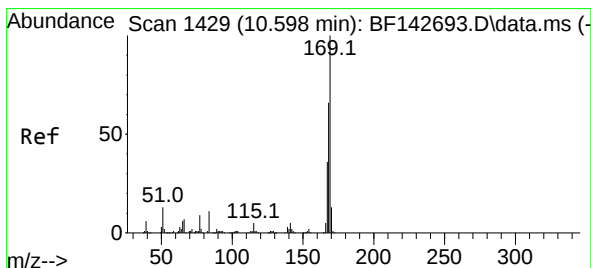
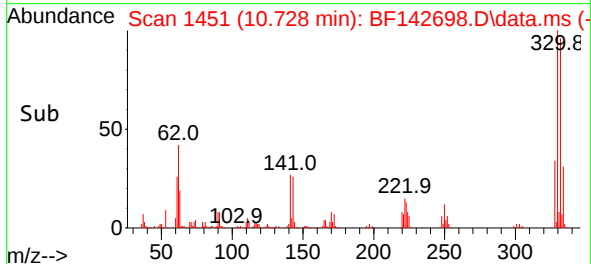
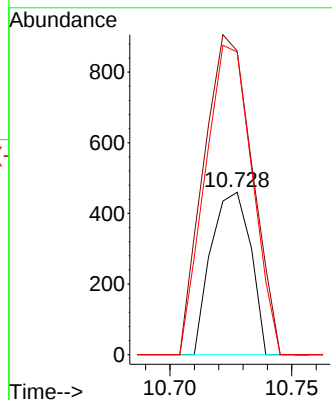
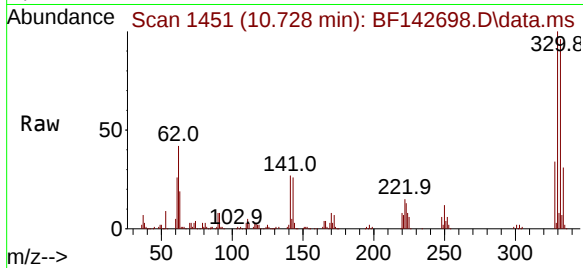




#65
4,6-Dinitro-2-methylphenol
Concen: 0.184 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.182 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

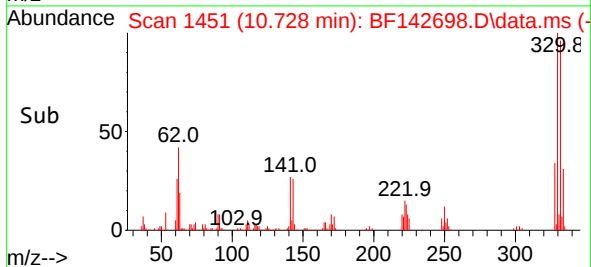
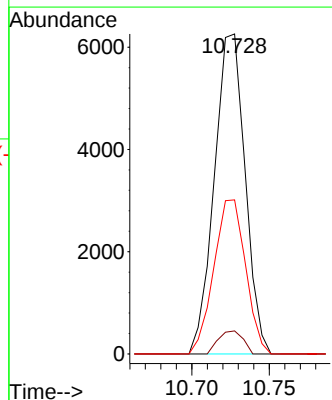
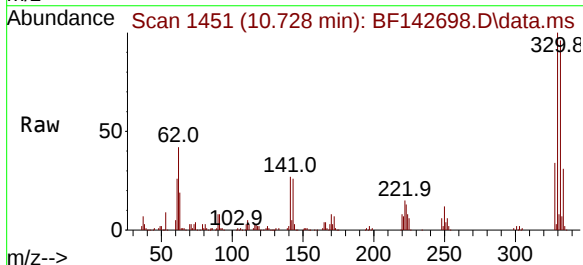
Instrument :
BNA_F
ClientSampleId :
PB168323BL

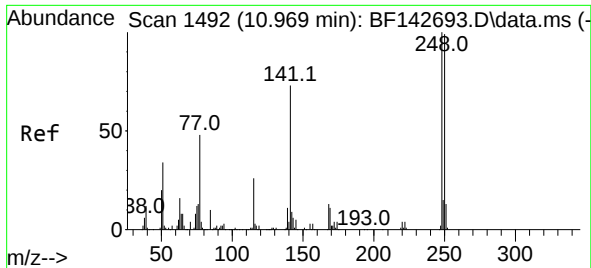
Tgt Ion:198 Resp: 520
Ion Ratio Lower Upper
198 100
51 187.0 25.9 65.9#
105 186.3 20.0 60.0#



#66
n-Nitrosodiphenylamine
Concen: 0.603 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.124 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:169 Resp: 8646
Ion Ratio Lower Upper
169 100
168 7.2 53.1 79.7#
167 48.1 28.4 42.6#

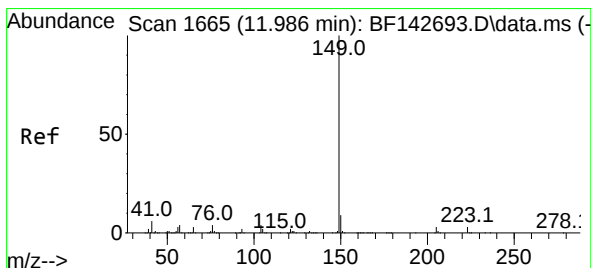
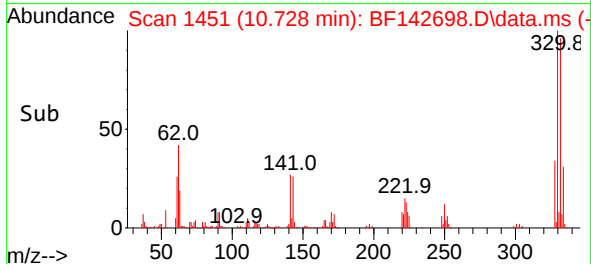
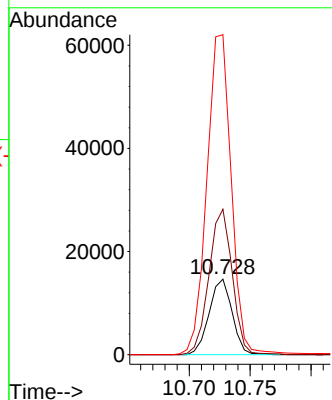
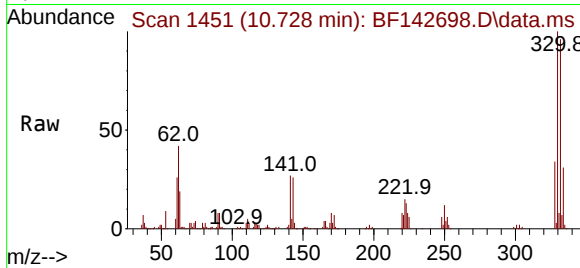




#67
4-Bromophenyl-phenylether
Concen: 3.937 ng
RT: 10.728 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

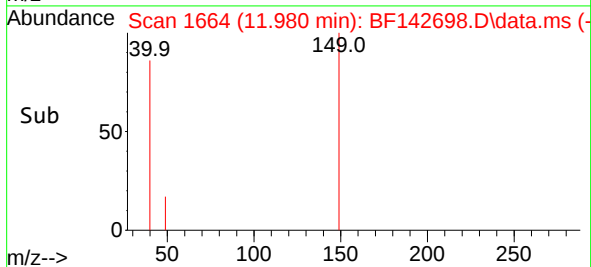
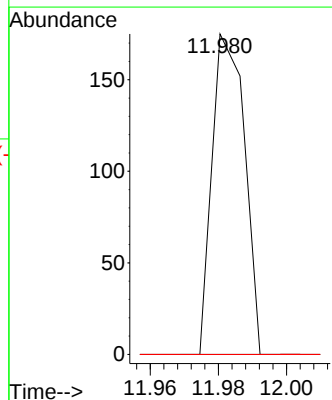
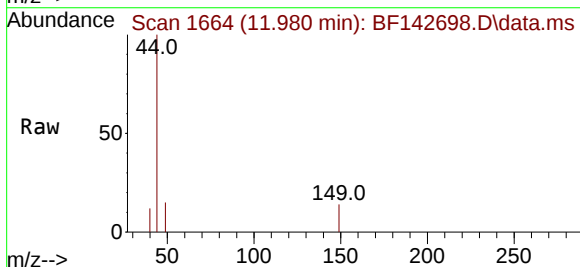
Instrument :
BNA_F
ClientSampleId :
PB168323BL

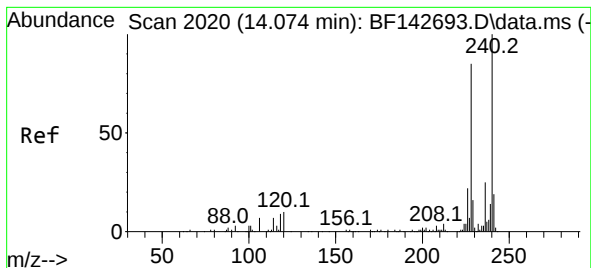
Tgt Ion:248 Resp: 19313
Ion Ratio Lower Upper
248 100
250 192.6 79.1 118.7#
141 423.7 58.5 87.7#



#74
Di-n-butylphthalate
Concen: 0.005 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:149 Resp: 115
Ion Ratio Lower Upper
149 100
150 0.0 7.3 10.9#
104 0.0 3.3 4.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Instrument :

BNA_F

ClientSampleId :

PB168323BL

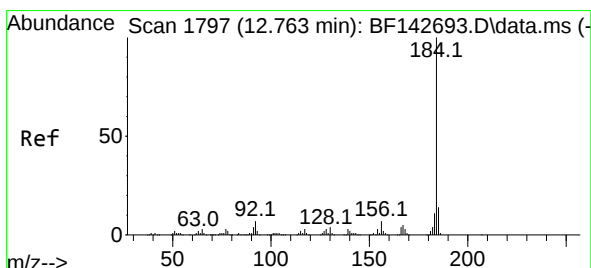
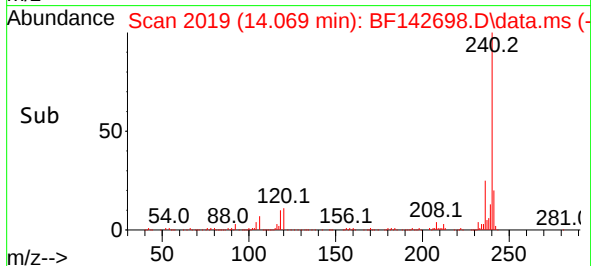
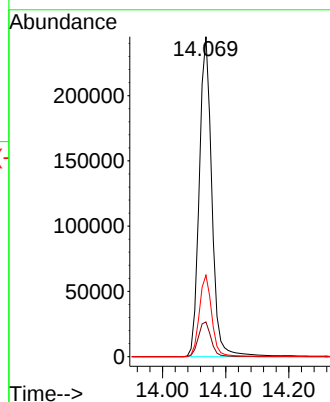
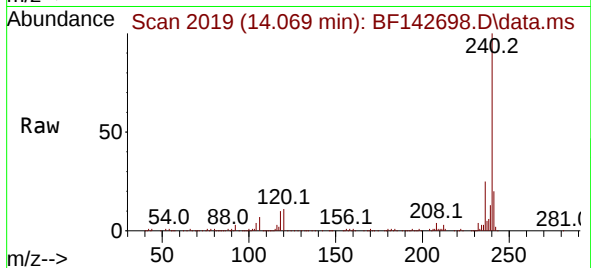
Tgt Ion:240 Resp: 337888

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 25.5 20.2 30.2



#77

Benzidine

Concen: 1.618 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.253 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

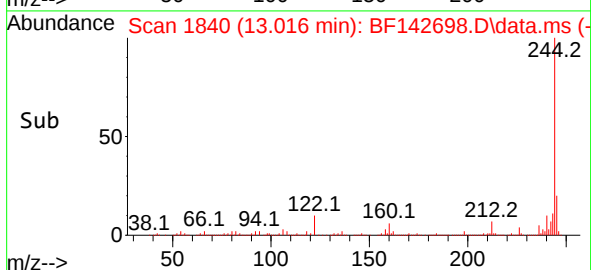
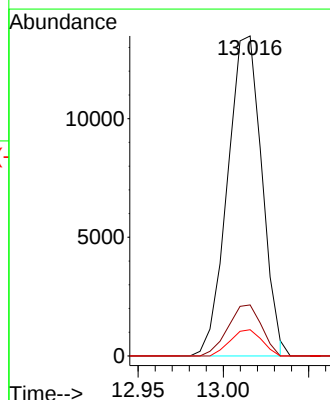
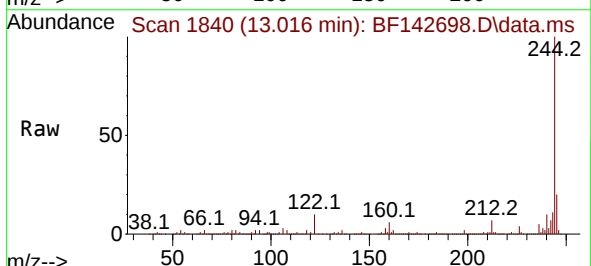
Tgt Ion:184 Resp: 18863

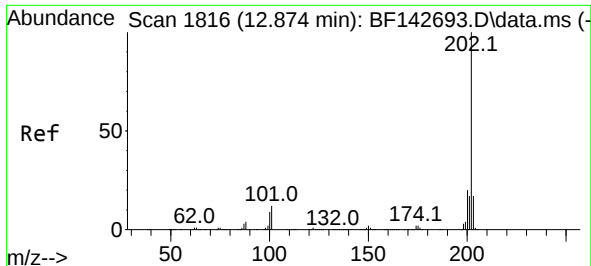
Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

183 8.2 8.9 13.3#

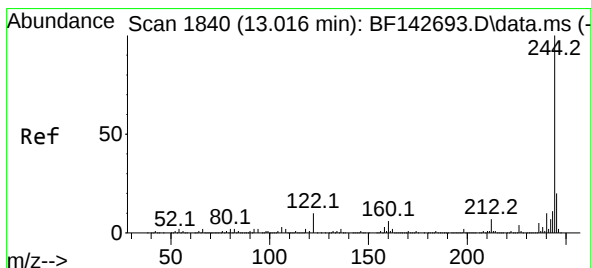
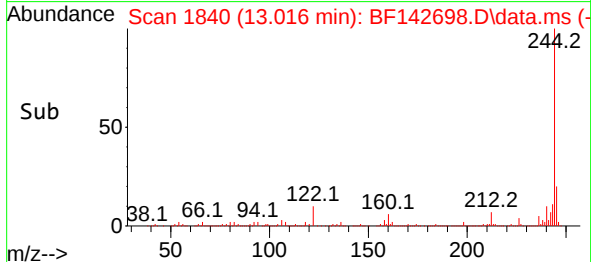
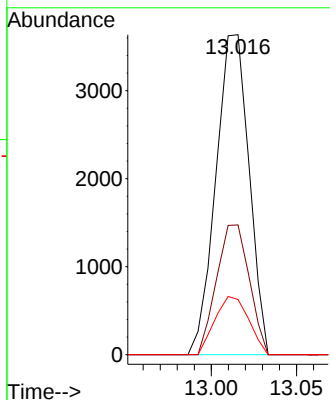
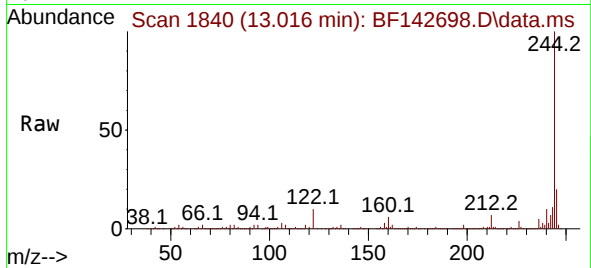




#78
Pyrene
Concen: 0.179 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.141 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

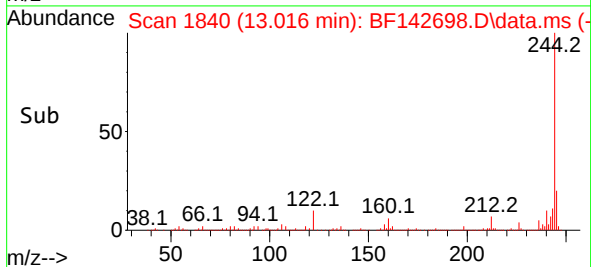
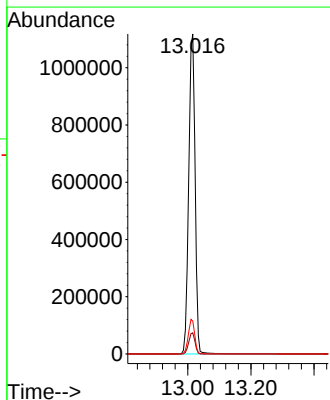
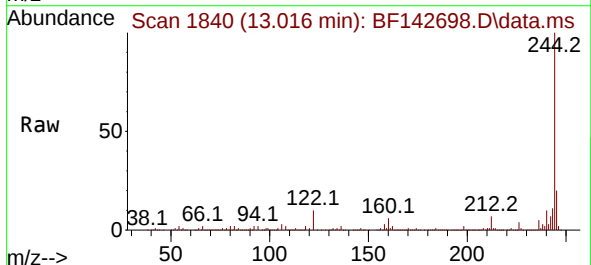
Instrument :
BNA_F
ClientSampleId :
PB168323BL

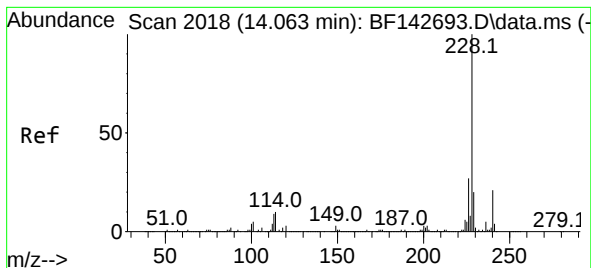
Tgt Ion:202 Resp: 4919
Ion Ratio Lower Upper
202 100
200 40.6 16.1 24.1#
203 17.3 13.9 20.9



#79
Terphenyl-d14
Concen: 73.655 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142698.D
Acq: 09 Jun 2025 18:00

Tgt Ion:244 Resp: 1573618
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.3 8.2 12.2





#81

Benzo(a)anthracene

Concen: 0.033 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Instrument :

BNA_F

ClientSampleId :

PB168323BL

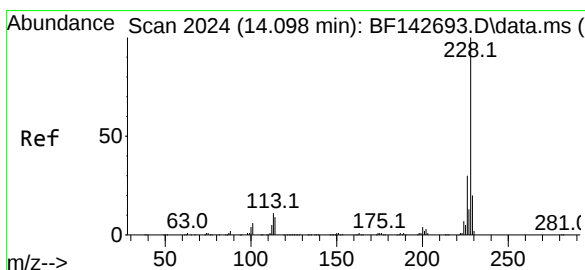
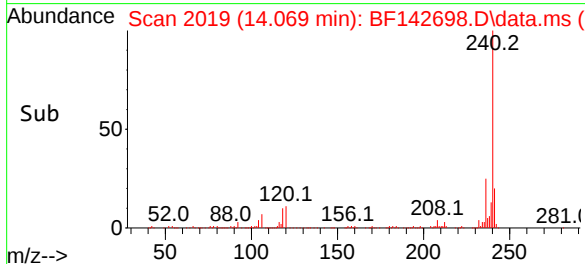
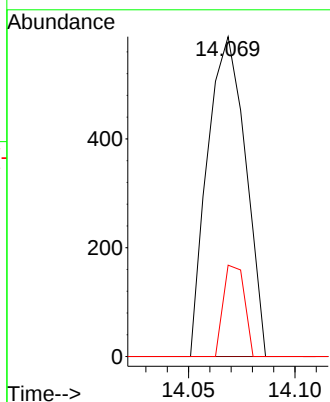
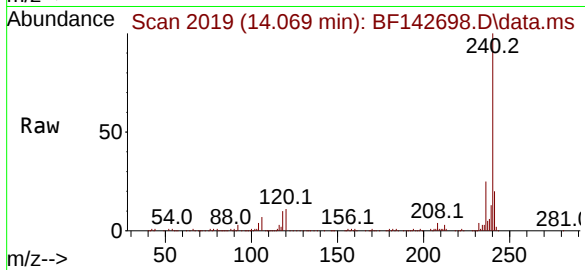
Tgt Ion:228 Resp: 731

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

229 28.6 15.8 23.6#



#83

Chrysene

Concen: 0.035 ng

RT: 14.069 min Scan# 2019

Delta R.T. -0.035 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

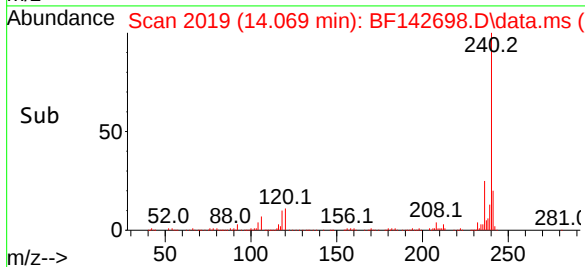
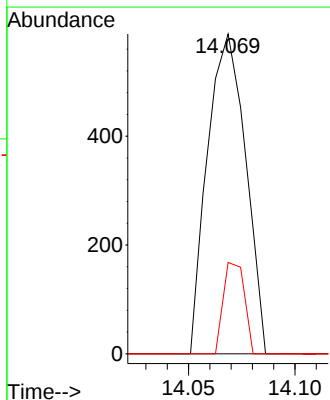
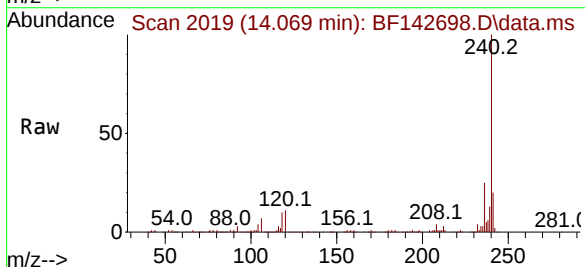
Tgt Ion:228 Resp: 731

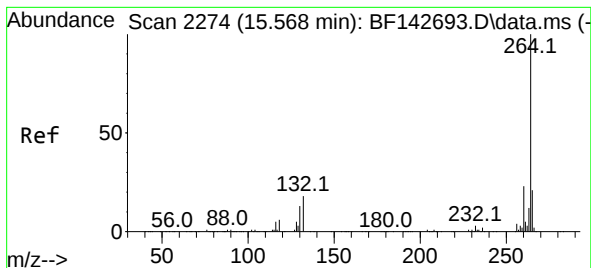
Ion Ratio Lower Upper

228 100

226 0.0 23.8 35.8#

229 28.6 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Instrument :

BNA_F

ClientSampleId :

PB168323BL

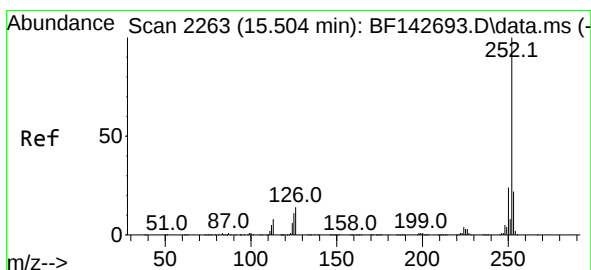
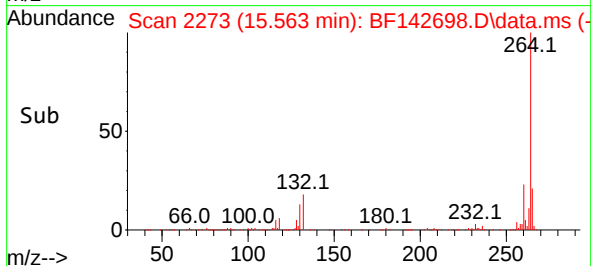
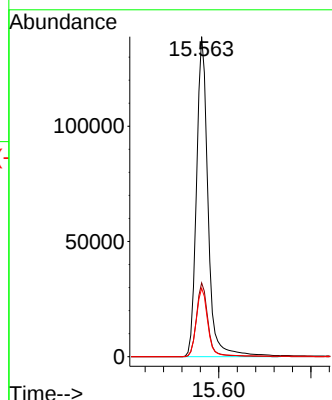
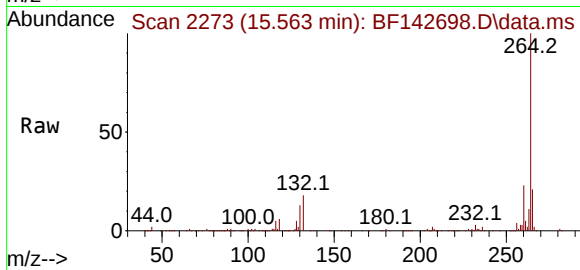
Tgt Ion:264 Resp: 241303

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.4 17.0 25.4



#90

Benzo(a)pyrene

Concen: 0.050 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.053 min

Lab File: BF142698.D

Acq: 09 Jun 2025 18:00

Tgt Ion:252 Resp: 676

Ion Ratio Lower Upper

252 100

253 42.2 17.4 26.2#

125 0.0 8.8 13.2#

