

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142739.D
 Acq On : 11 Jun 2025 17:19
 Operator : RC/JU
 Sample : Q2268-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 11 18:56:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

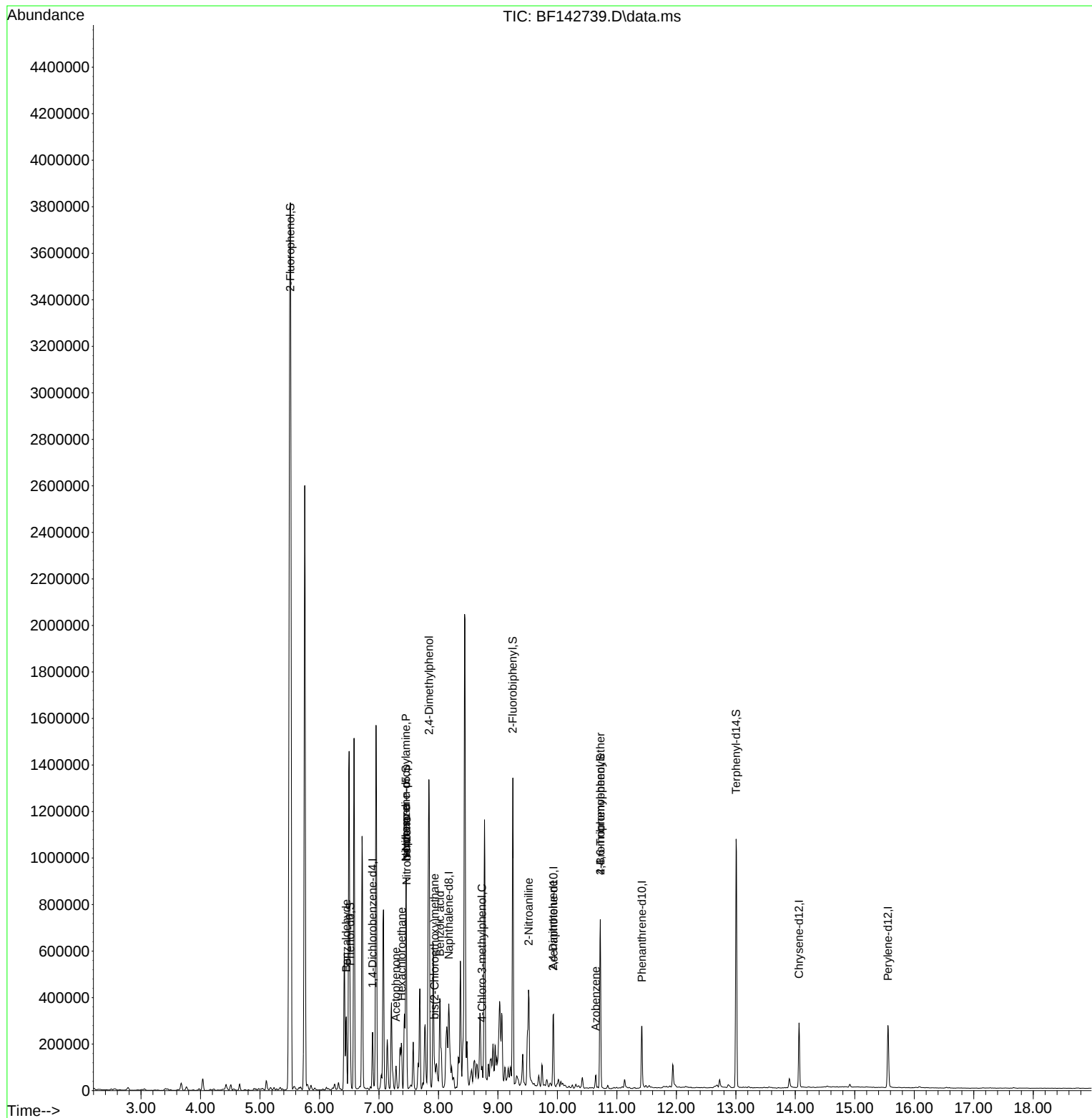
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	52802	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	187845	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	93296	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	142687	20.000	ng	0.00
76) Chrysene-d12	14.062	240	135490	20.000	ng	0.00
86) Perylene-d12	15.556	264	164328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	147075	47.439	ng	0.00
7) Phenol-d6	6.516	99	127735	35.010	ng	0.00
23) Nitrobenzene-d5	7.451	82	272685	79.445	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	120919	118.257	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	577124	82.184	ng	0.00
79) Terphenyl-d14	13.004	244	524435	53.161	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	16291	7.210	ng	# 1
18) Hexachloroethane	7.381	117	5848	4.176	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	37248	16.036	ng	# 78
22) Acetophenone	7.286	105	44407	10.628	ng	# 61
24) Nitrobenzene	7.463	77	7248	2.379	ng	# 1
25) Isophorone	7.451	82	271281	46.680	ng	# 63
27) 2,4-Dimethylphenol	7.839	122	385304	133.113	ng	# 92
28) bis(2-Chloroethoxy)met...	7.933	93	17547	4.863	ng	# 53
32) Benzoic acid	8.028	122	81780	50.167	ng	# 18
36) 4-Chloro-3-methylphenol	8.733	107	9309	3.351	ng	# 18
48) 2-Nitroaniline	9.516	65	13866	9.134	ng	# 17
57) 2,4-Dinitrotoluene	9.927	165	12401	6.966	ng	# 30
63) Azobenzene	10.645	77	13551	2.512	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	7803	4.633	ng	# 1

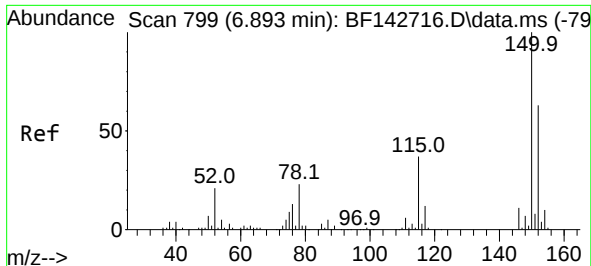
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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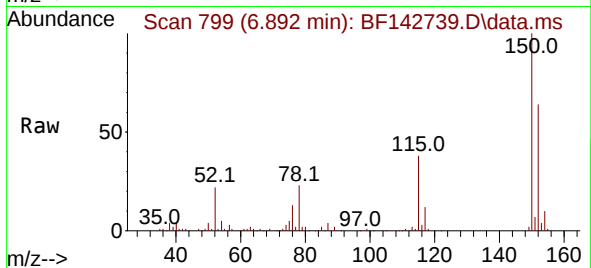
Quant Time: Jun 11 18:56:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
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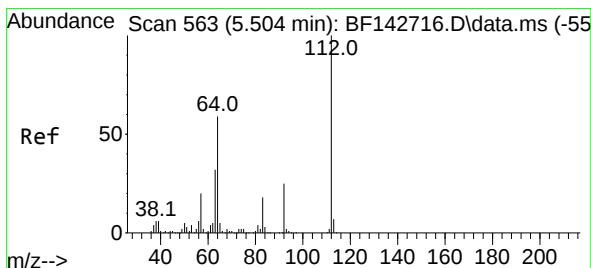
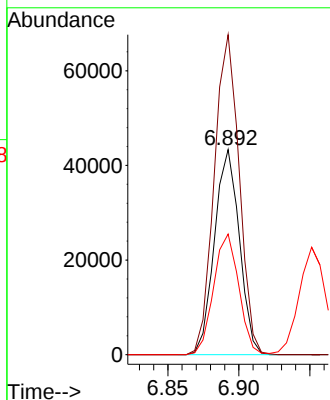
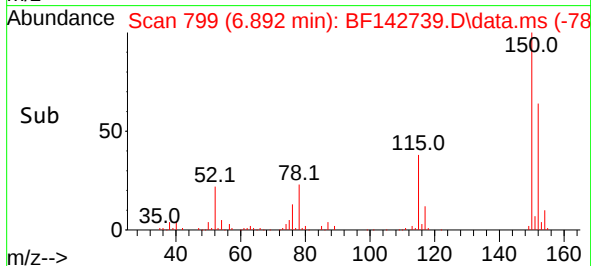


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

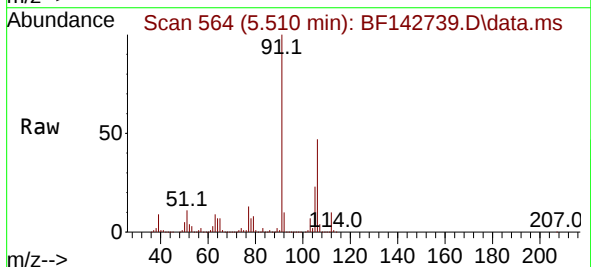
Instrument :
BNA_F
ClientSampleId :



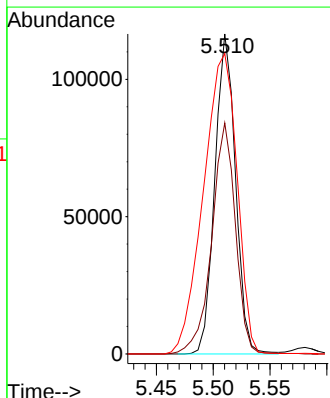
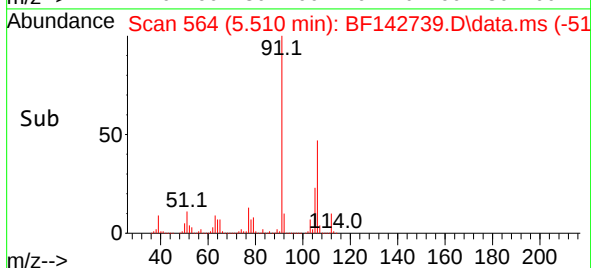
Tgt Ion:152 Resp: 52802
Ion Ratio Lower Upper
152 100
150 156.0 126.9 190.3
115 58.8 47.0 70.6

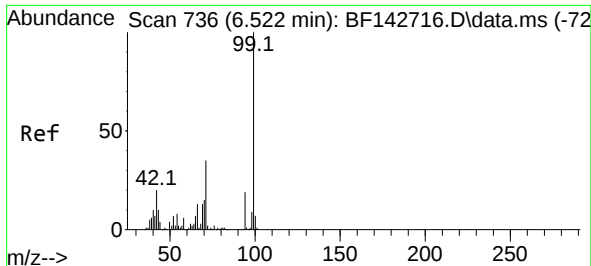


#5
2-Fluorophenol
Concen: 47.439 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19



Tgt Ion:112 Resp: 147075
Ion Ratio Lower Upper
112 100
64 72.2 47.4 71.2#
63 93.8 25.4 38.0#





#7

Phenol-d6

Concen: 35.010 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

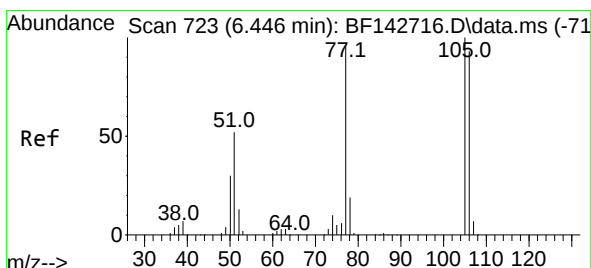
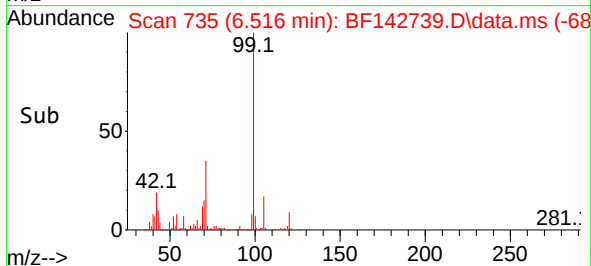
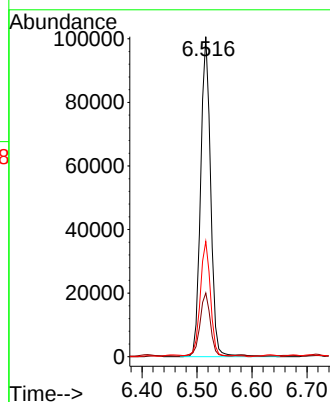
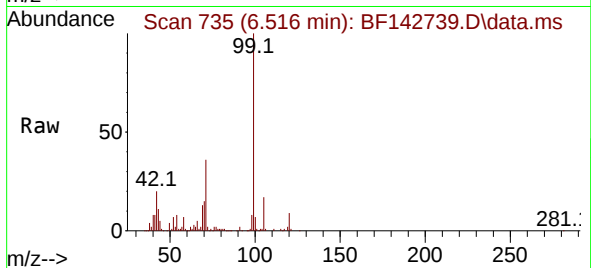
Tgt Ion: 99 Resp: 127735

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 36.0 28.0 42.0



#9

Benzaldehyde

Concen: 7.210 ng

RT: 6.451 min Scan# 724

Delta R.T. 0.005 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

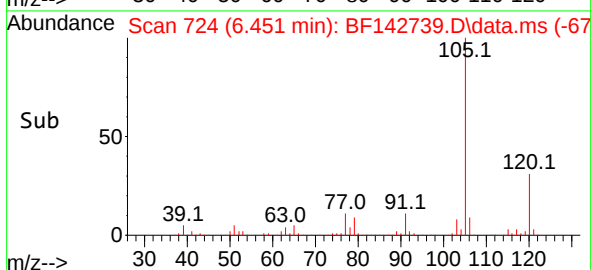
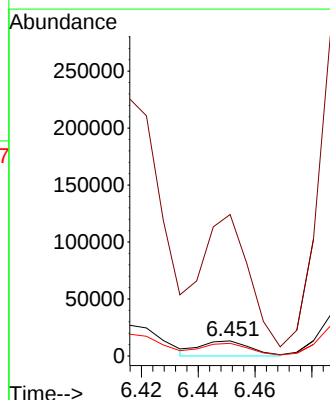
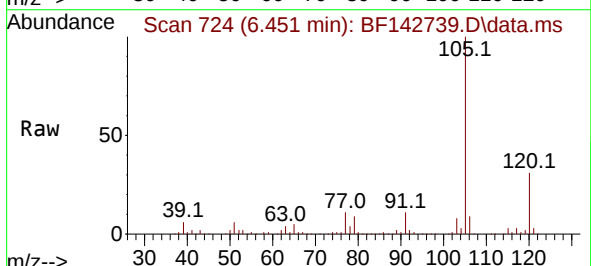
Tgt Ion: 77 Resp: 16291

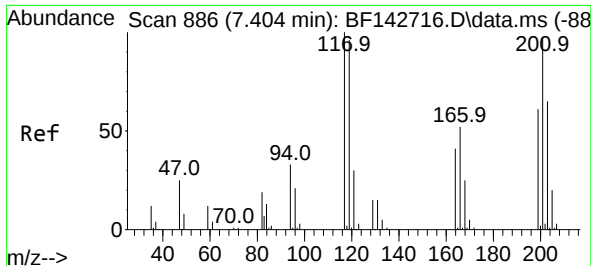
Ion Ratio Lower Upper

77 100

105 938.3 84.1 124.1#

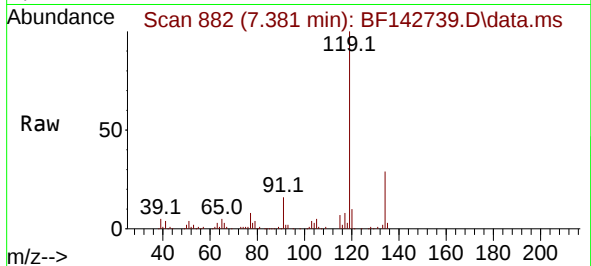
106 83.6 77.2 117.2



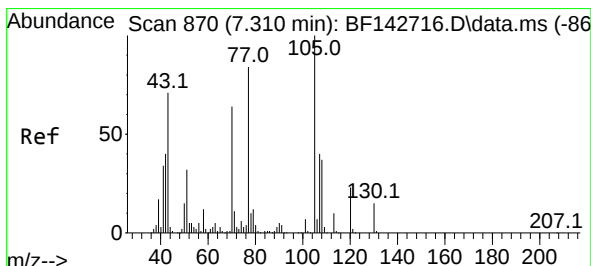
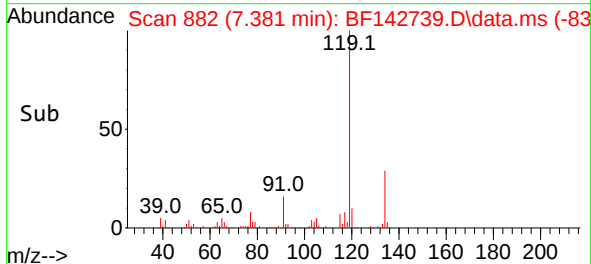
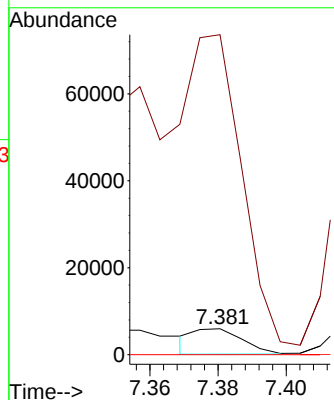


#18
Hexachloroethane
Concen: 4.176 ng
RT: 7.381 min Scan# 886
Delta R.T. -0.024 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Instrument :
BNA_F
ClientSampleId :

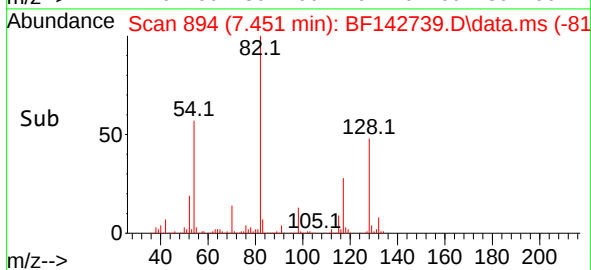
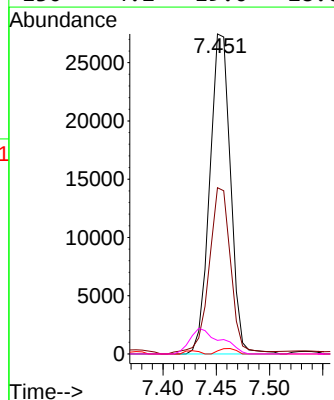
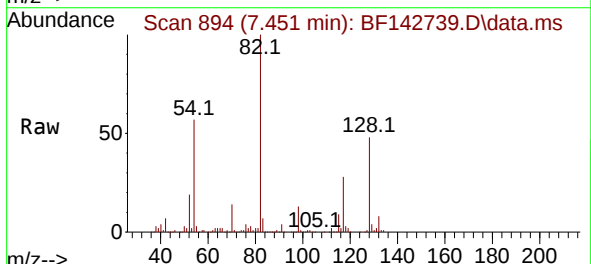


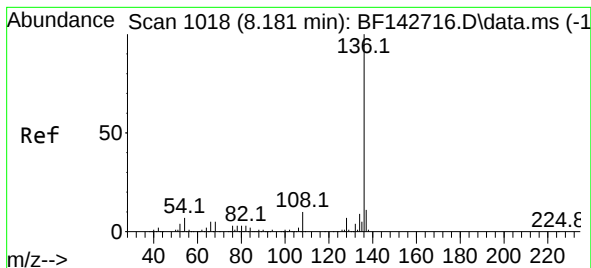
Tgt Ion:117 Resp: 5848
Ion Ratio Lower Upper
117 100
119 1235.5 76.4 114.6#
201 0.0 77.8 116.6#



#19
n-Nitroso-di-n-propylamine
Concen: 16.036 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Tgt Ion: 70 Resp: 37248
Ion Ratio Lower Upper
70 100
42 52.0 50.2 75.4
101 1.0 8.3 12.5#
130 4.2 19.0 28.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

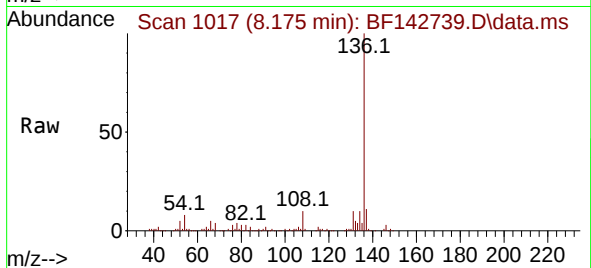
Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 187845

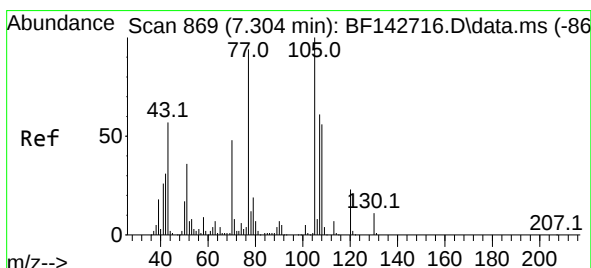
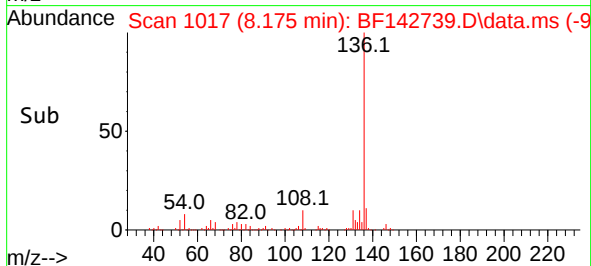
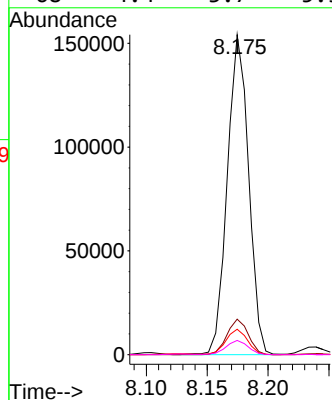
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.0 5.9 8.9

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 10.628 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.018 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Tgt Ion:105 Resp: 44407

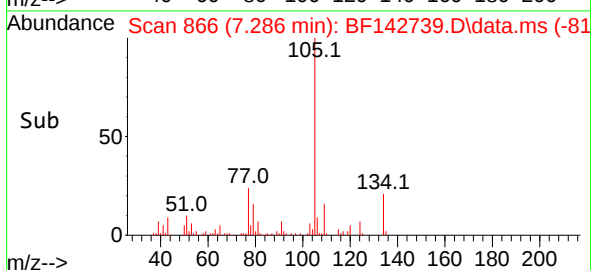
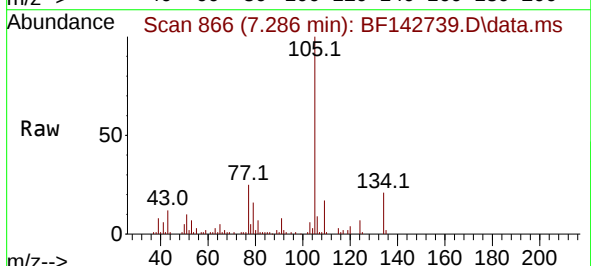
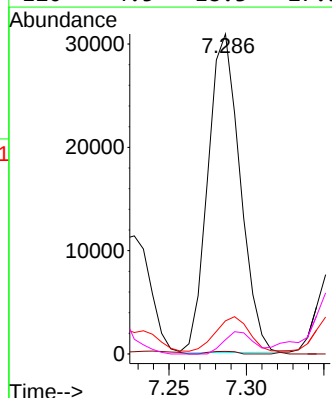
Ion Ratio Lower Upper

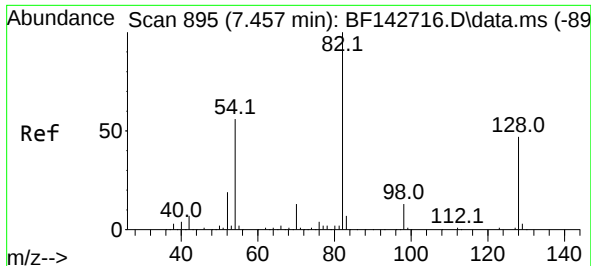
105 100

71 0.8 6.4 9.6#

51 10.4 29.1 43.7#

120 4.5 18.3 27.5#





#23

Nitrobenzene-d5

Concen: 79.445 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

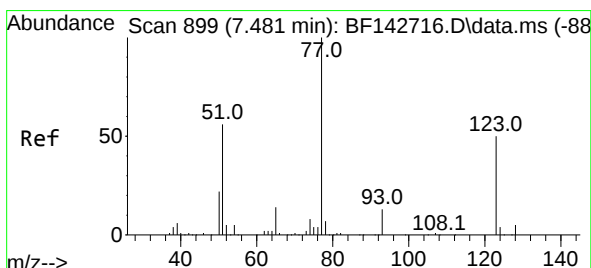
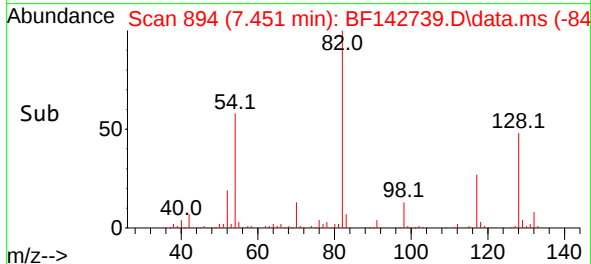
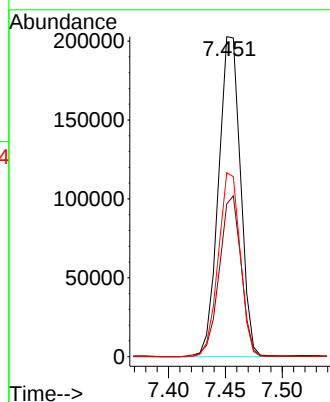
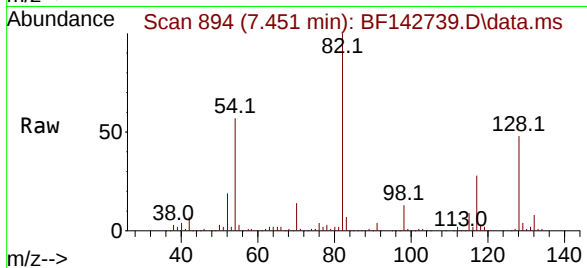
Tgt Ion: 82 Resp: 272685

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

54 57.5 44.9 67.3



#24

Nitrobenzene

Concen: 2.379 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

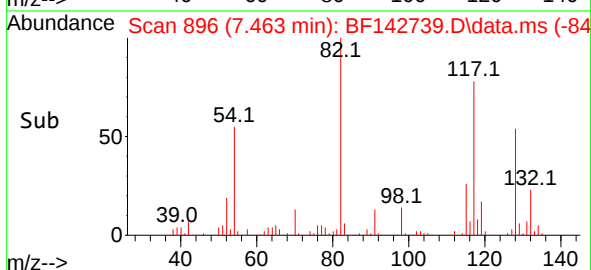
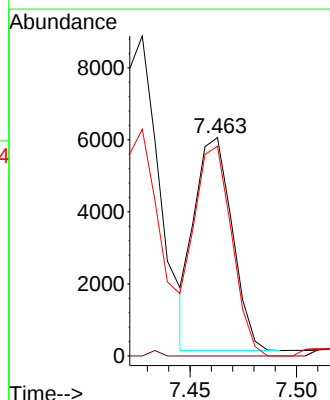
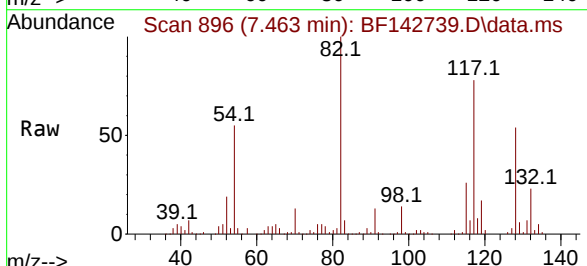
Tgt Ion: 77 Resp: 7248

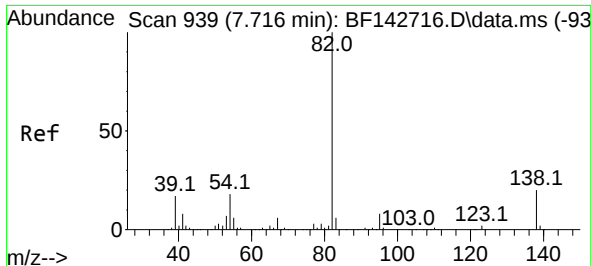
Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

65 96.0 11.5 17.3#

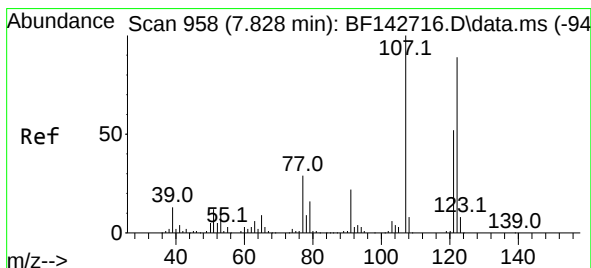
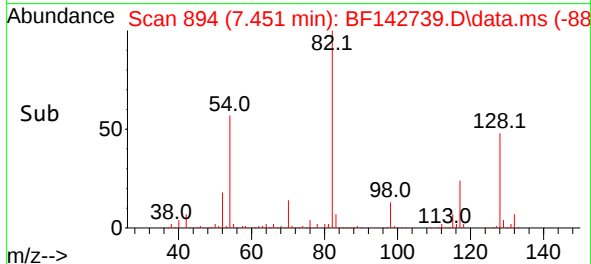
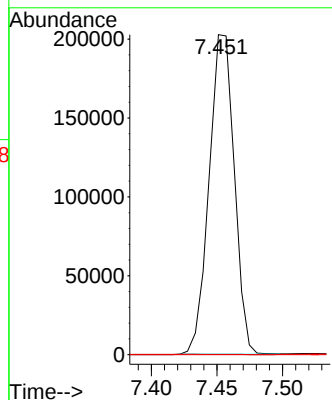
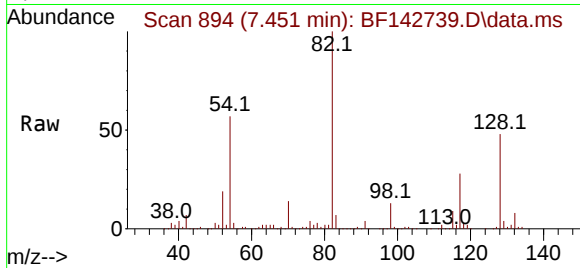




#25
Isophorone
Concen: 46.680 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

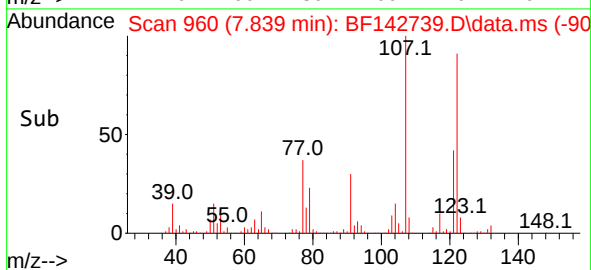
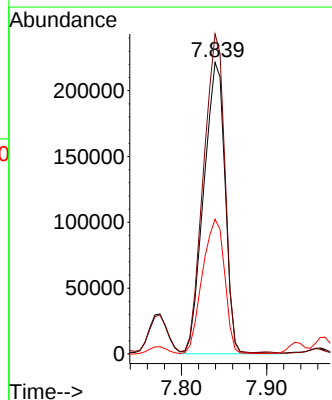
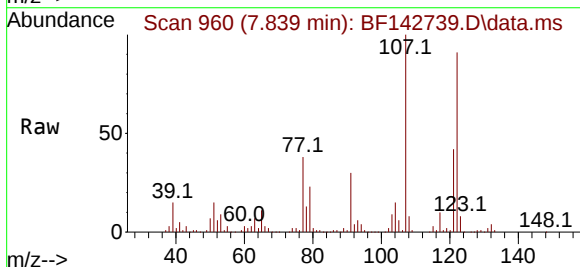
Instrument :
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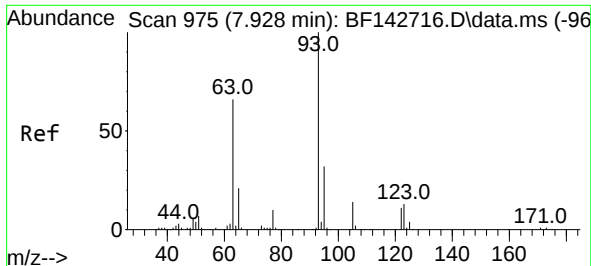
Tgt Ion: 82 Resp: 271281
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.8 23.6#



#27
2,4-Dimethylphenol
Concen: 133.113 ng
RT: 7.839 min Scan# 960
Delta R.T. 0.012 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Tgt Ion:122 Resp: 385304
Ion Ratio Lower Upper
122 100
107 109.8 90.4 135.6
121 46.2 46.9 70.3#

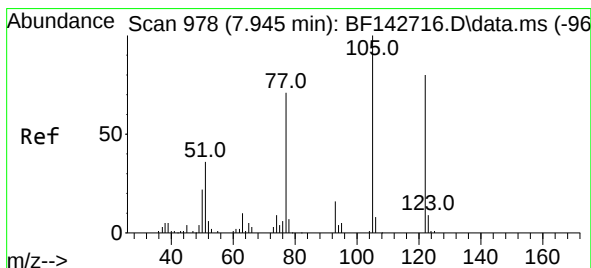
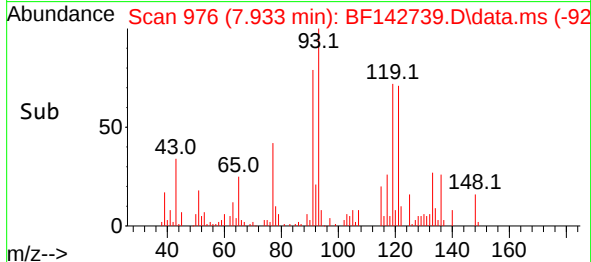
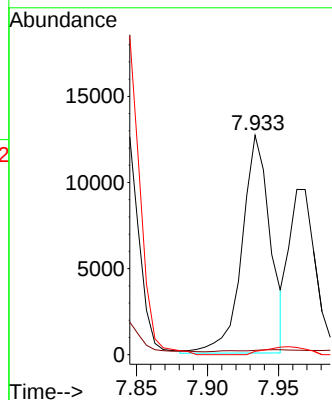
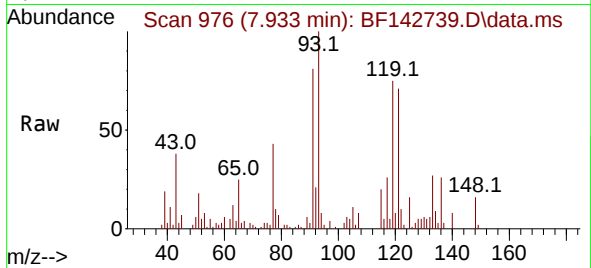




#28
bis(2-Chloroethoxy)methane
Concen: 4.863 ng
RT: 7.933 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

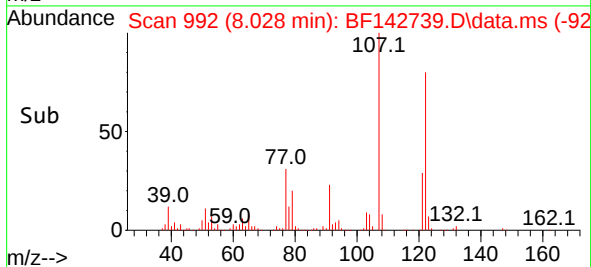
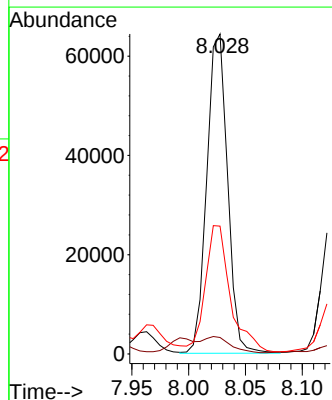
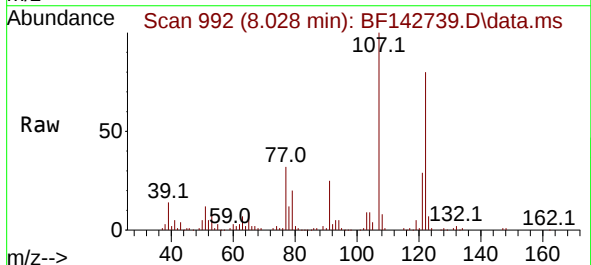
Instrument :
BNA_F
ClientSampleId :

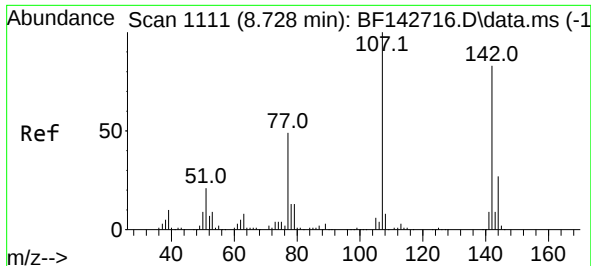
Tgt Ion: 93 Resp: 17547
Ion Ratio Lower Upper
93 100
95 1.9 25.9 38.9#
123 1.5 10.3 15.5#



#32
Benzoic acid
Concen: 50.167 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.082 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Tgt Ion:122 Resp: 81780
Ion Ratio Lower Upper
122 100
105 5.1 102.6 142.6#
77 39.9 68.2 108.2#

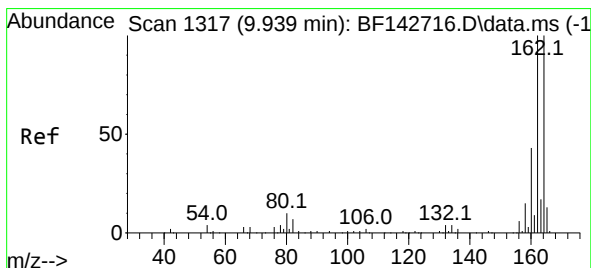
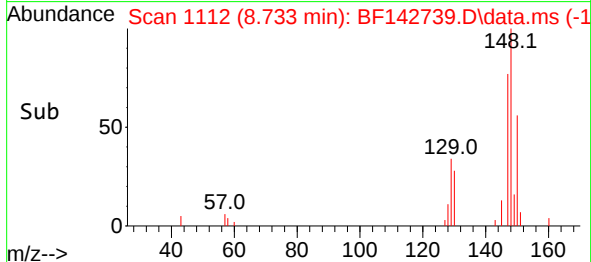
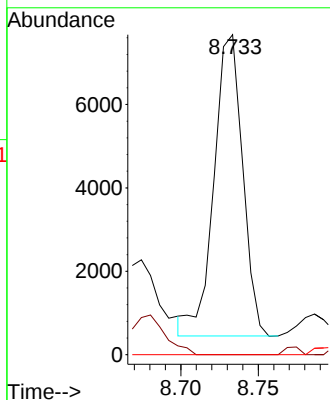
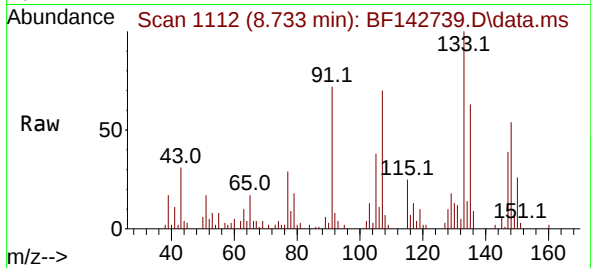




#36
 4-Chloro-3-methylphenol
 Concen: 3.351 ng
 RT: 8.733 min Scan# 1111
 Delta R.T. 0.006 min
 Lab File: BF142739.D
 Acq: 11 Jun 2025 17:19

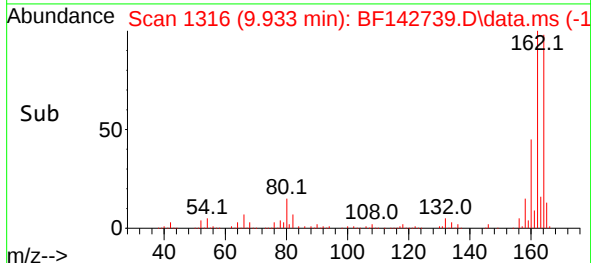
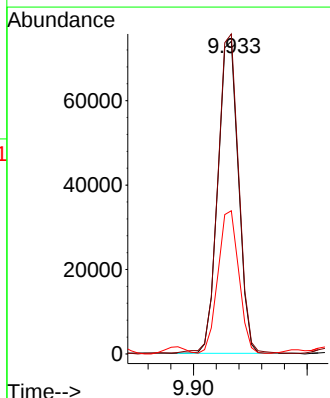
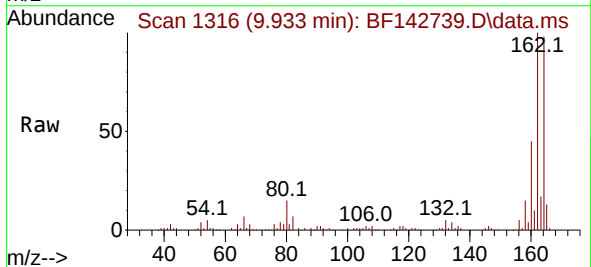
Instrument :
 BNA_F
 ClientSampleId :

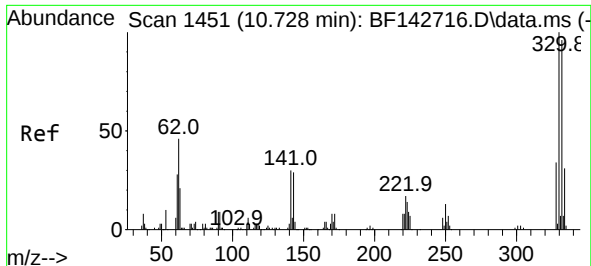
Tgt Ion:107	Resp:	9309
Ion Ratio	Lower	Upper
107	100	
144	0.0	21.3 31.9#
142	0.0	66.2 99.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.933 min Scan# 1316
 Delta R.T. -0.006 min
 Lab File: BF142739.D
 Acq: 11 Jun 2025 17:19

Tgt Ion:164	Resp:	93296
Ion Ratio	Lower	Upper
164	100	
162	102.3	79.9 119.9
160	45.8	34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 118.257 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

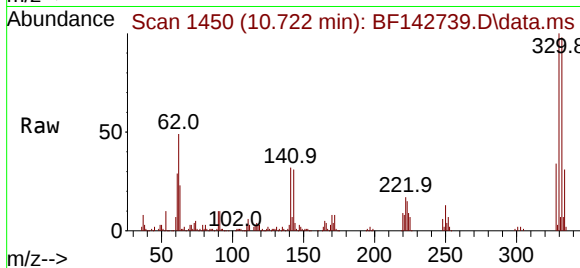
Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :



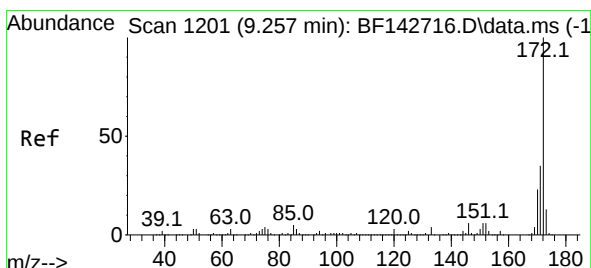
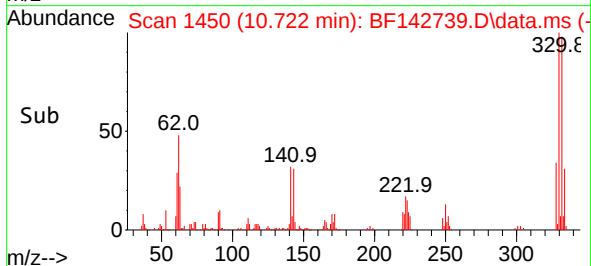
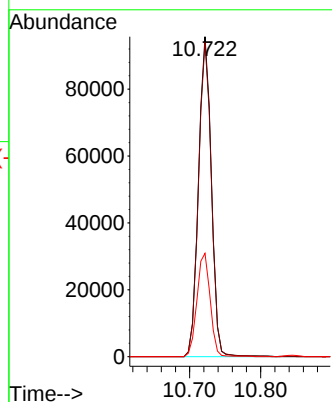
Tgt Ion:330 Resp: 120919

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 33.2 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 82.184 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

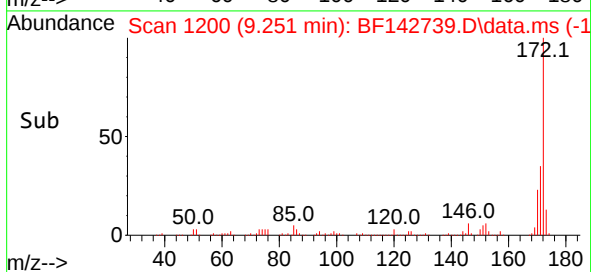
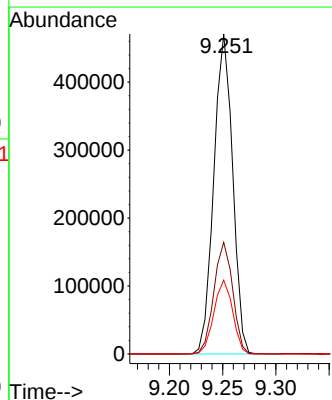
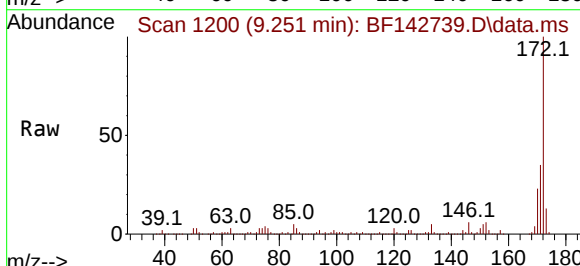
Tgt Ion:172 Resp: 577124

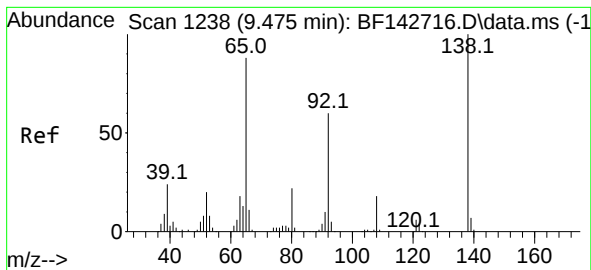
Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.1 18.6 27.8





#48

2-Nitroaniline

Concen: 9.134 ng

RT: 9.516 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

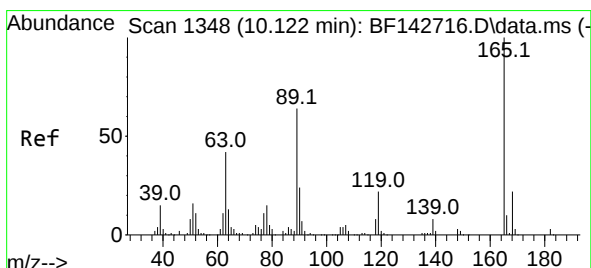
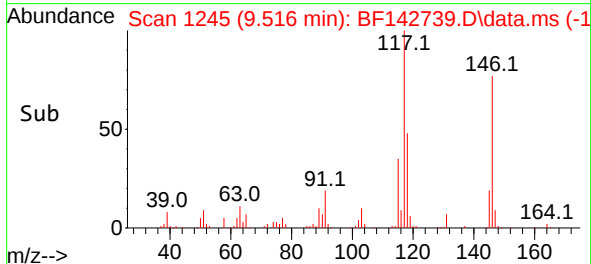
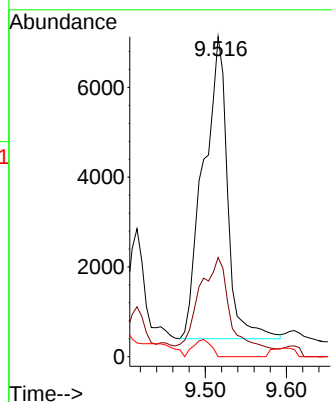
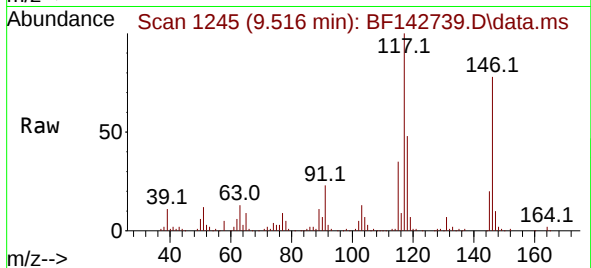
Tgt Ion: 65 Resp: 13866

Ion Ratio Lower Upper

65 100

92 31.0 54.5 81.7#

138 0.0 90.6 136.0#



#57

2,4-Dinitrotoluene

Concen: 6.966 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Tgt Ion: 165 Resp: 12401

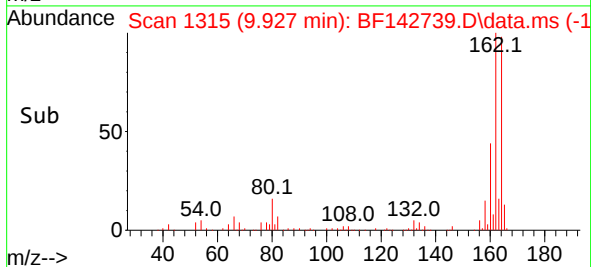
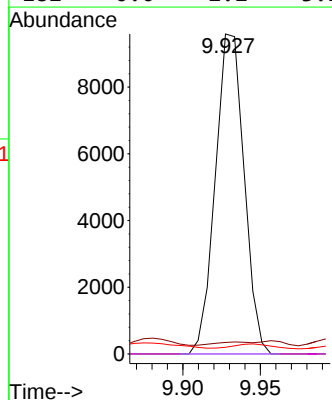
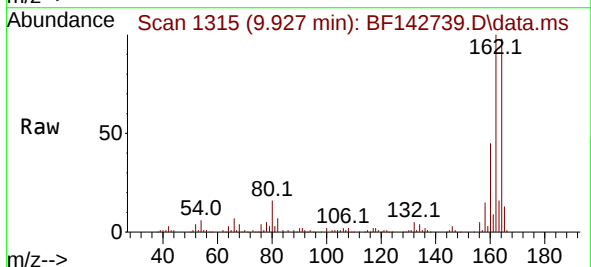
Ion Ratio Lower Upper

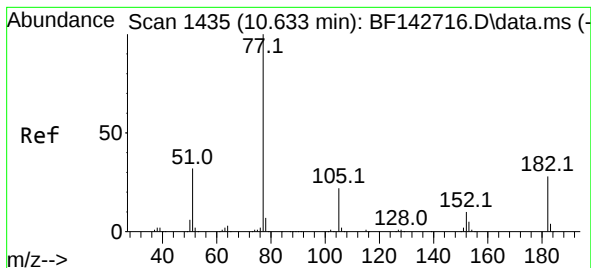
165 100

63 3.6 34.1 51.1#

89 2.1 50.8 76.2#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.512 ng

RT: 10.645 min Scan# 1435

Delta R.T. 0.012 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 13551

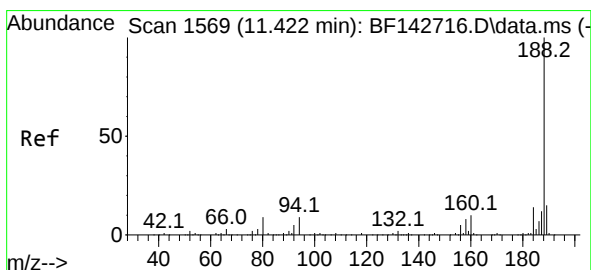
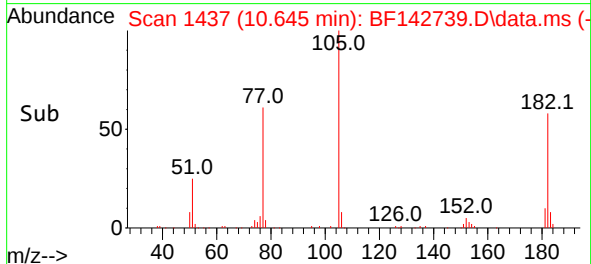
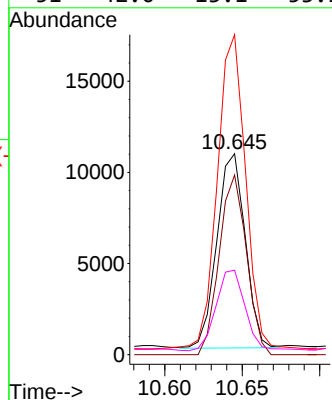
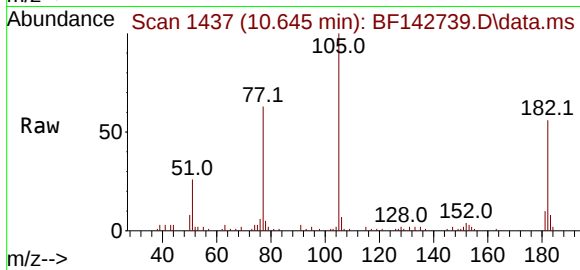
Ion Ratio Lower Upper

77 100

182 89.4 7.8 47.8#

105 159.2 1.9 41.9#

51 42.0 13.1 53.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

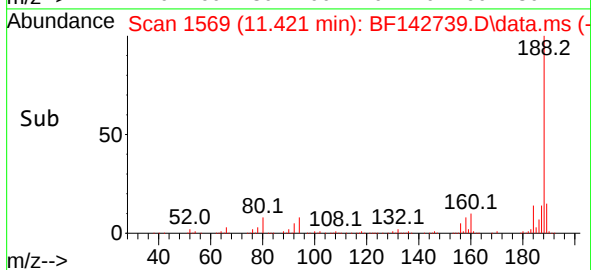
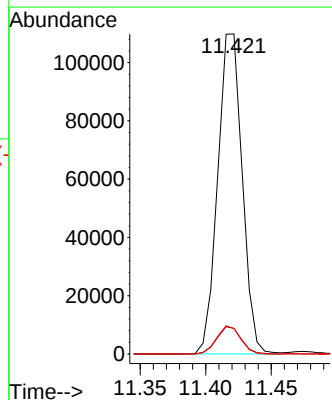
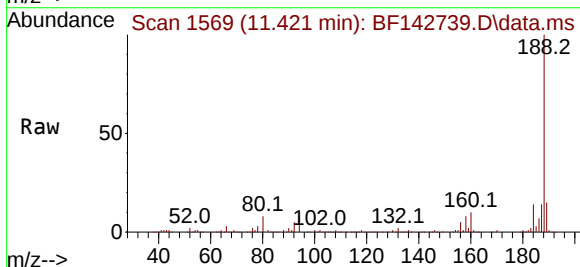
Tgt Ion:188 Resp: 142687

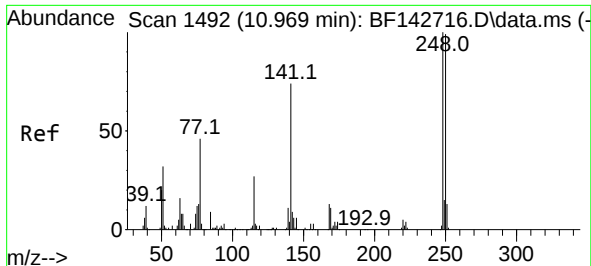
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.0 7.1 10.7





#67

4-Bromophenyl-phenylether

Concen: 4.633 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

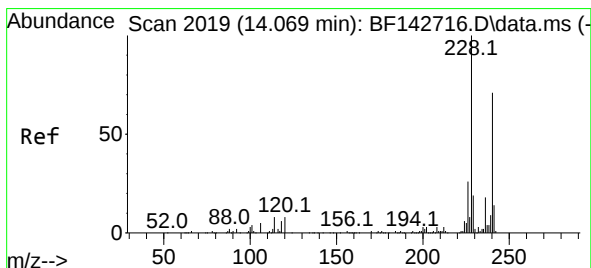
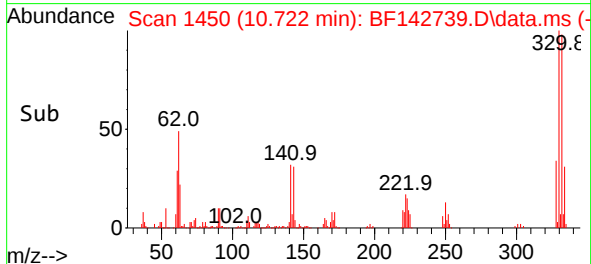
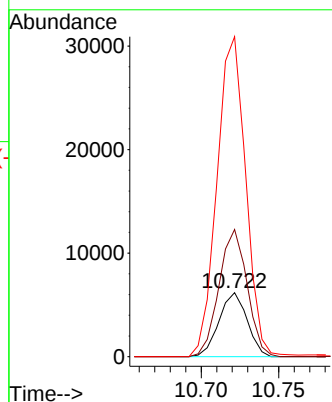
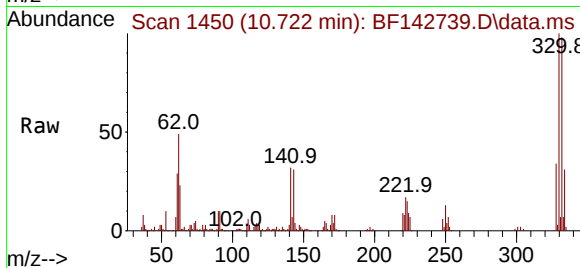
Tgt Ion:248 Resp: 7803

Ion Ratio Lower Upper

248 100

250 198.8 79.2 118.8#

141 500.1 59.3 88.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

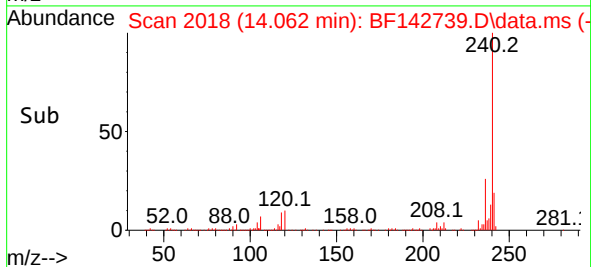
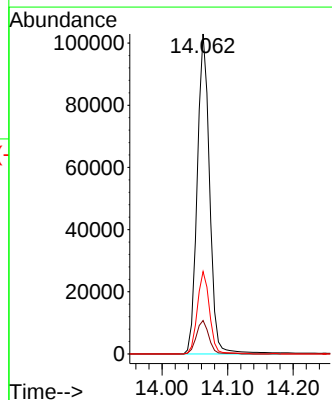
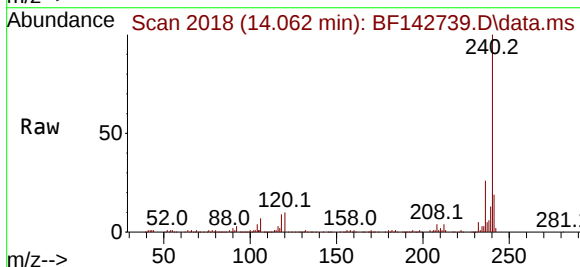
Tgt Ion:240 Resp: 135490

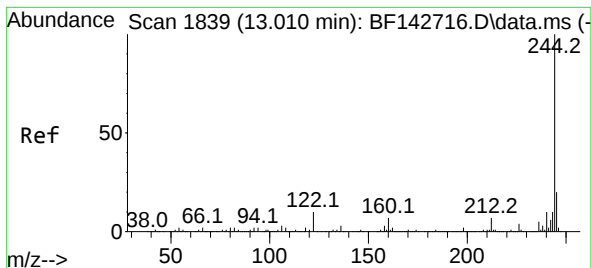
Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

236 25.7 20.1 30.1





#79

Terphenyl-d14

Concen: 53.161 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

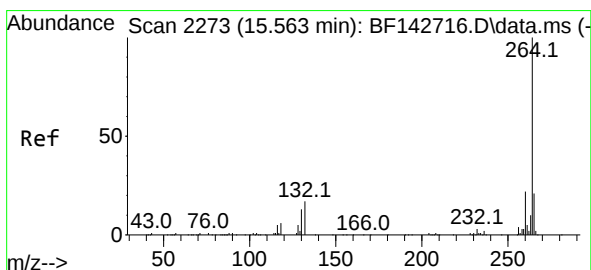
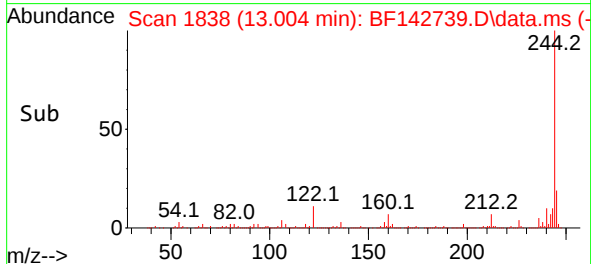
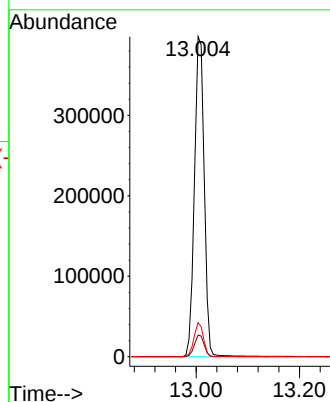
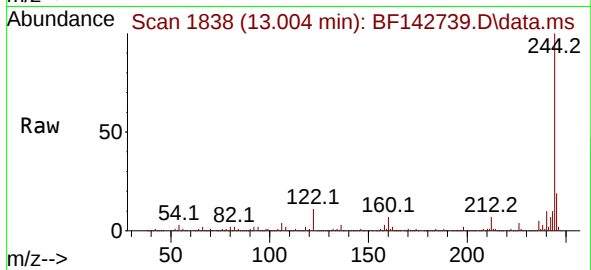
Tgt Ion:244 Resp: 524435

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.7 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Tgt Ion:264 Resp: 164328

Ion Ratio Lower Upper

264 100

260 22.8 17.8 26.6

265 20.9 16.6 25.0

