

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142734.D
 Acq On : 11 Jun 2025 14:50
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 11 15:13:15 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)

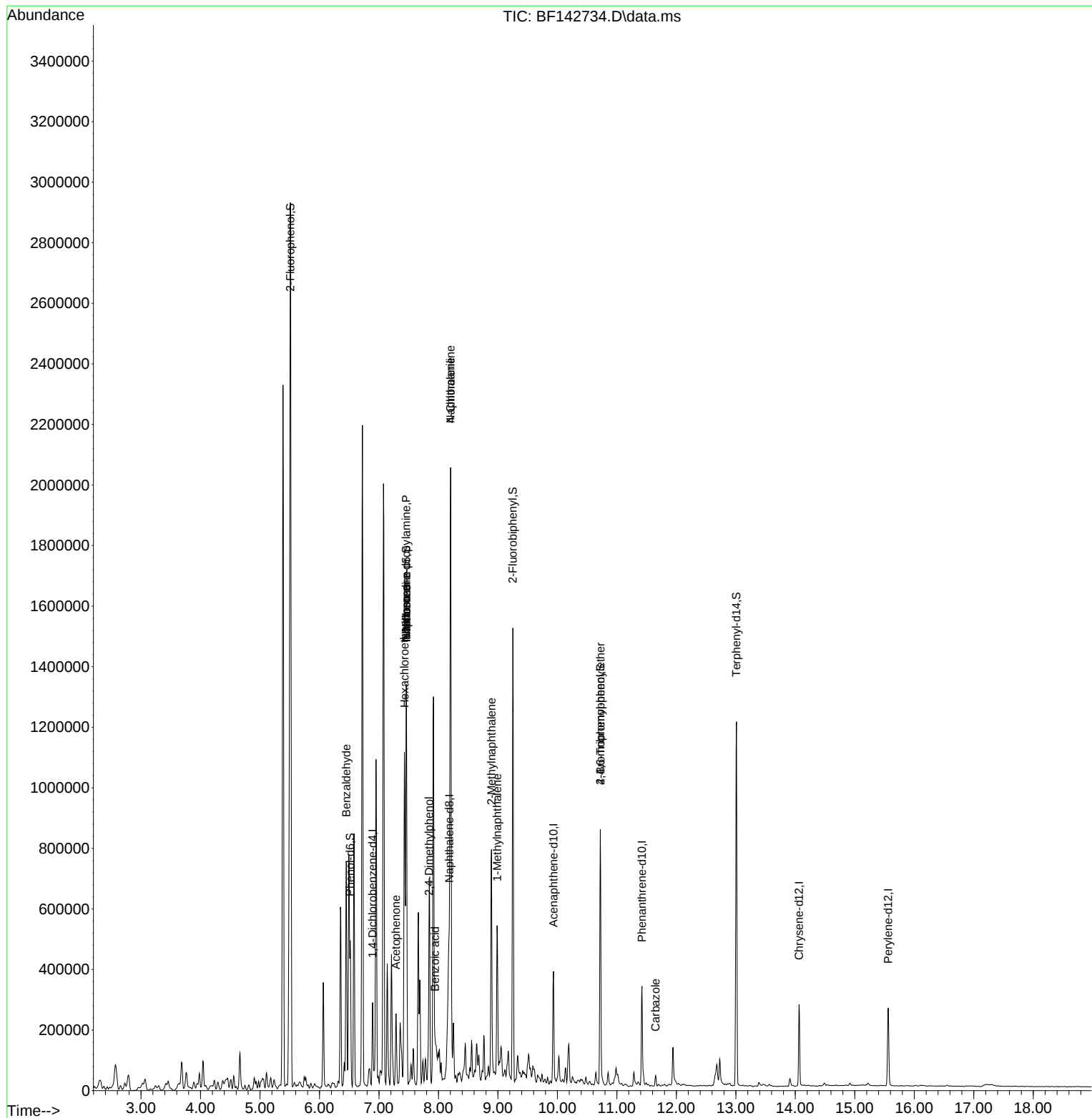
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	57618	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	209614	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	108382	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	166518	20.000	ng	0.00
76) Chrysene-d12	14.063	240	133428	20.000	ng	0.00
86) Perylene-d12	15.563	264	157760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	191248	56.531	ng	0.00
7) Phenol-d6	6.516	99	209494	52.619	ng	0.00
23) Nitrobenzene-d5	7.457	82	312453	81.578	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	144075	121.290	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	666189	81.662	ng	0.00
79) Terphenyl-d14	13.010	244	589954	60.727	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	46886	19.017	ng	# 1
18) Hexachloroethane	7.428	117	113462	74.251	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	44591	17.593	ng	# 81
22) Acetophenone	7.287	105	132975	28.519	ng	# 56
24) Nitrobenzene	7.463	77	16119	4.742	ng	# 1
25) Isophorone	7.457	82	308447	47.563	ng	# 63
27) 2,4-Dimethylphenol	7.840	122	13026	4.033	ng	90
31) Naphthalene	8.204	128	1277553	123.236	ng	99
32) Benzoic acid	7.940	122	15980	8.785	ng	# 67
33) 4-Chloroaniline	8.204	127	177186	42.569	ng	# 33
37) 2-Methylnaphthalene	8.892	142	295287	45.002	ng	99
38) 1-Methylnaphthalene	8.987	142	169596	24.950	ng	100
67) 4-Bromophenyl-phenylether	10.722	248	9310	4.737	ng	# 1
73) Carbazole	11.651	167	19635	2.541	ng	98

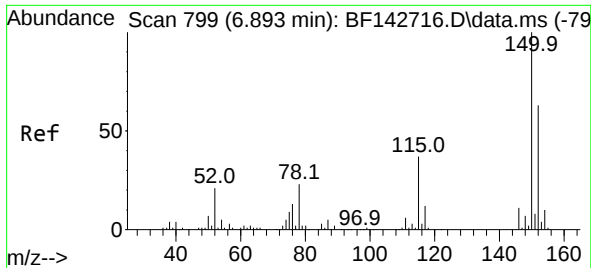
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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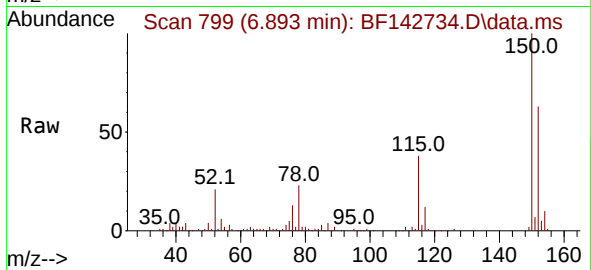
Quant Time: Jun 11 15:13:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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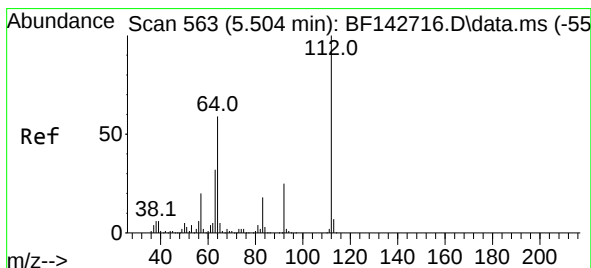
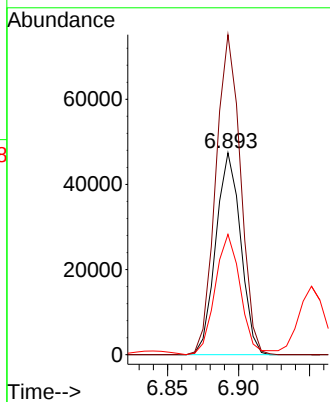
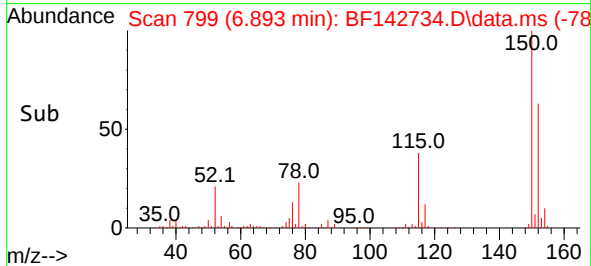


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Instrument :
BNA_F
ClientSampleId :

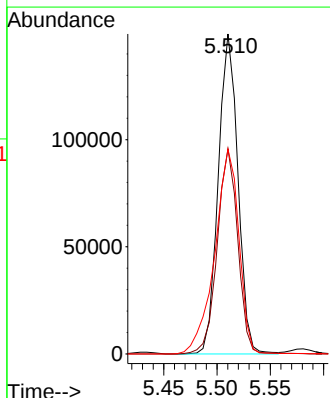
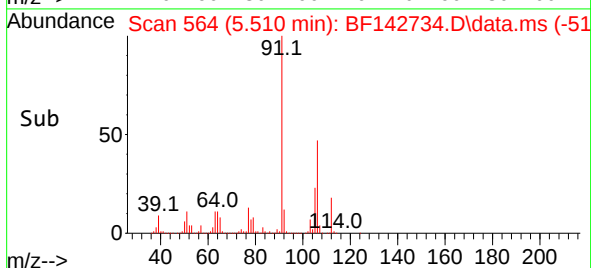
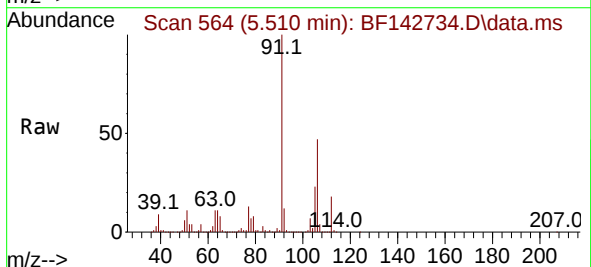


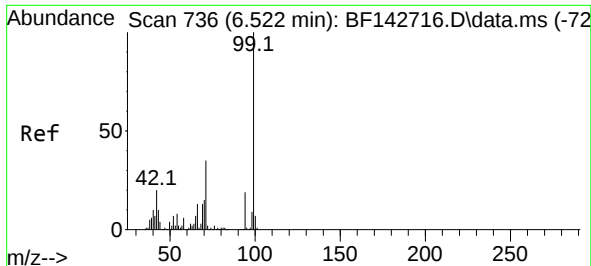
Tgt Ion:152 Resp: 57618
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 59.6 47.0 70.6



#5
2-Fluorophenol
Concen: 56.531 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:112 Resp: 191248
Ion Ratio Lower Upper
112 100
64 64.1 47.4 71.2
63 64.0 25.4 38.0#





#7

Phenol-d6

Concen: 52.619 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

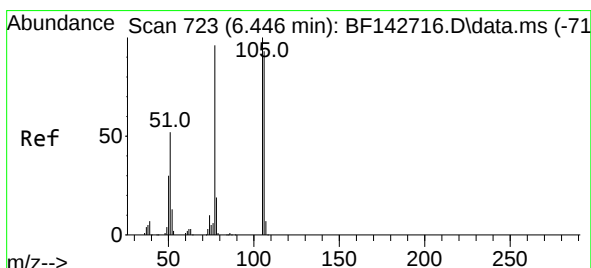
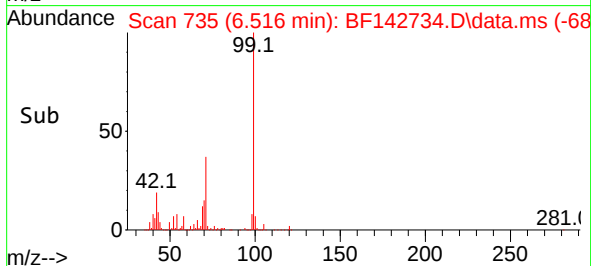
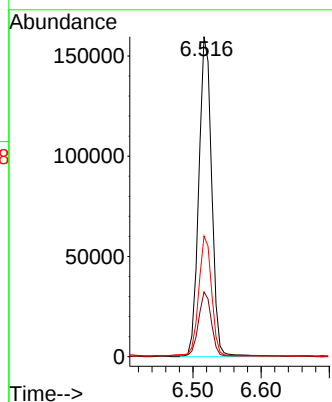
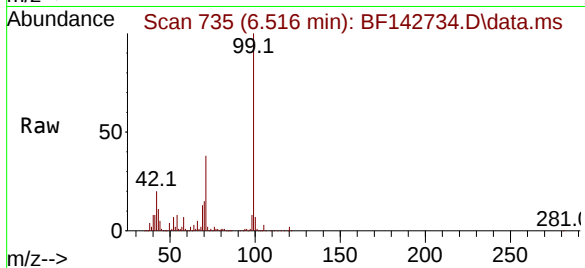
Tgt Ion: 99 Resp: 209494

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 37.7 28.0 42.0



#9

Benzaldehyde

Concen: 19.017 ng

RT: 6.451 min Scan# 724

Delta R.T. 0.005 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

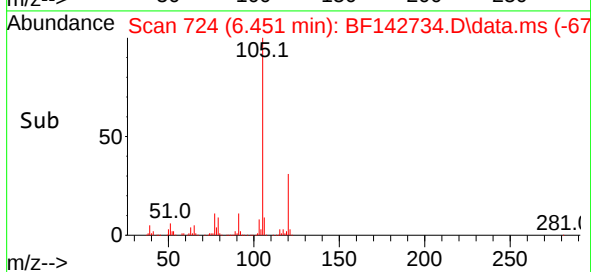
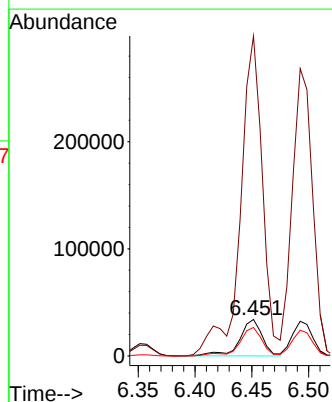
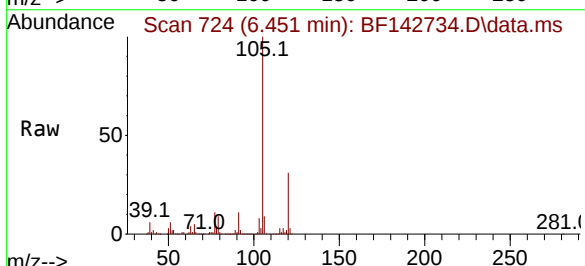
Tgt Ion: 77 Resp: 46886

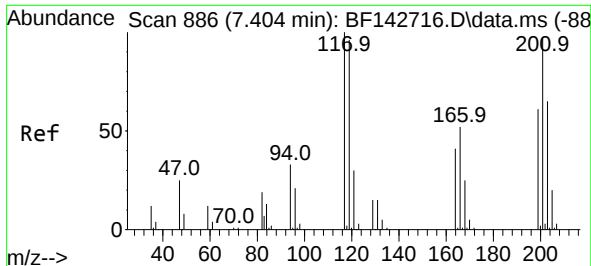
Ion Ratio Lower Upper

77 100

105 877.4 84.1 124.1#

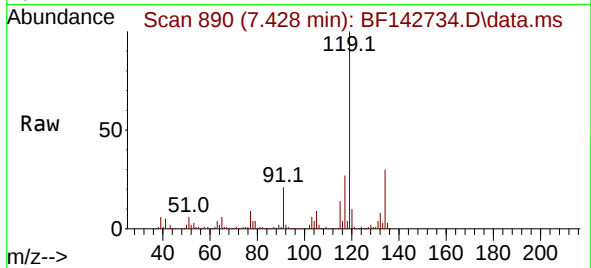
106 78.0 77.2 117.2



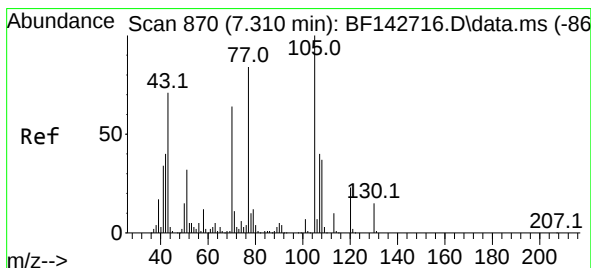
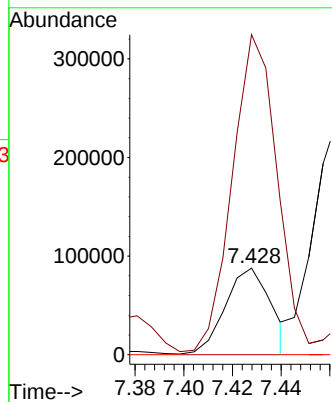
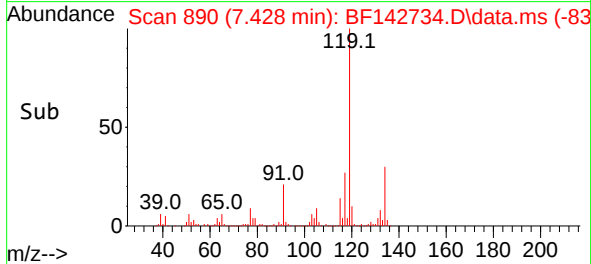


#18
Hexachloroethane
Concen: 74.251 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.024 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

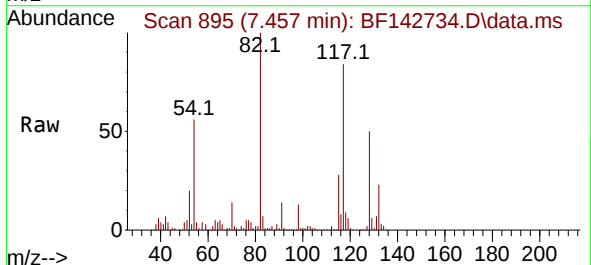
Instrument :
BNA_F
ClientSampleId :



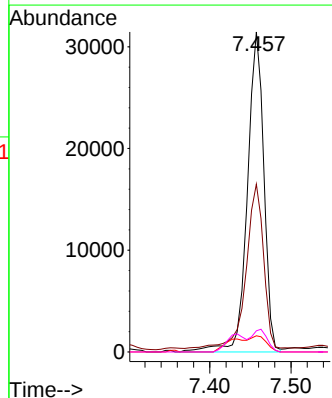
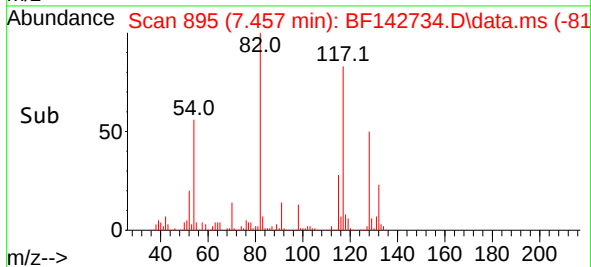
Tgt Ion:117 Resp: 113462
Ion Ratio Lower Upper
117 100
119 369.3 76.4 114.6#
201 0.0 77.8 116.6#

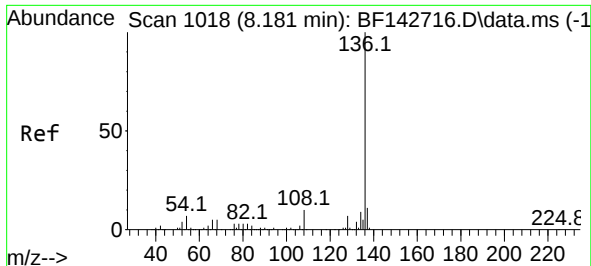


#19
n-Nitroso-di-n-propylamine
Concen: 17.593 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.147 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50



Tgt Ion: 70 Resp: 44591
Ion Ratio Lower Upper
70 100
42 52.5 50.2 75.4
101 5.0 8.3 12.5#
130 6.6 19.0 28.6#

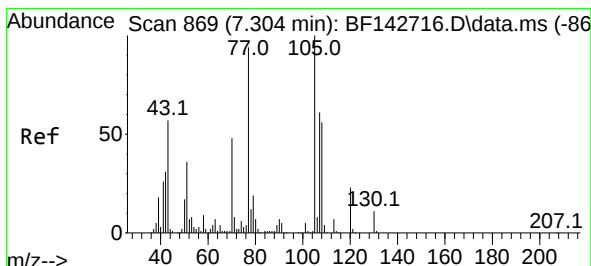
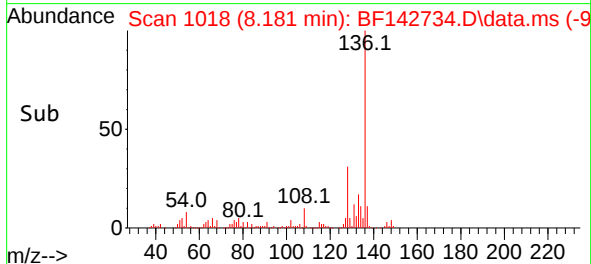
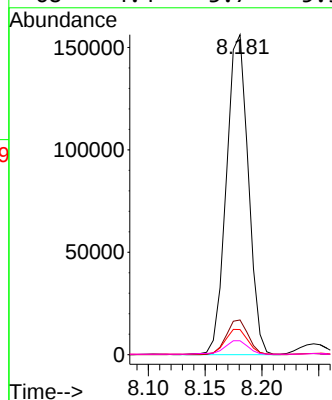
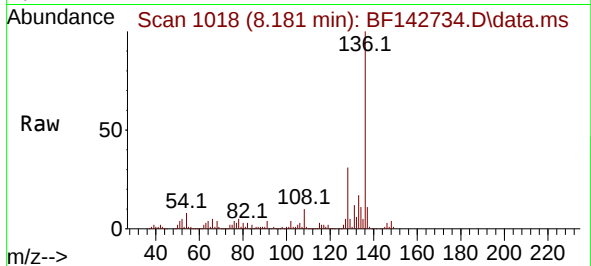




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

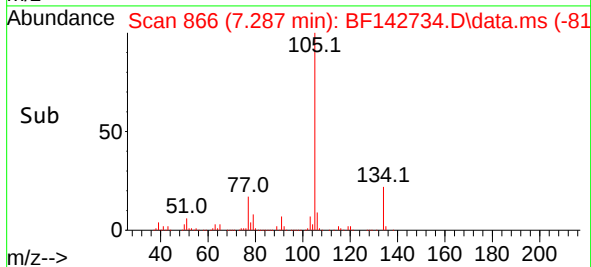
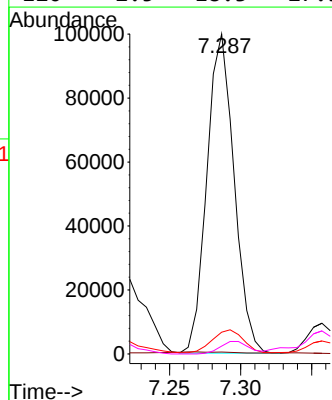
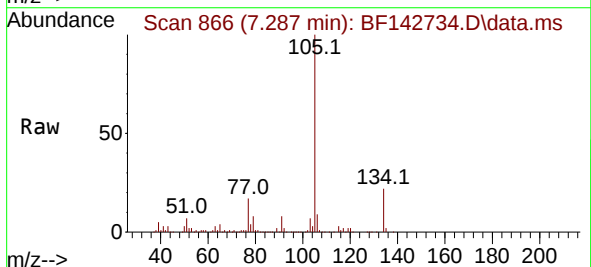
Instrument :
BNA_F
ClientSampleId :

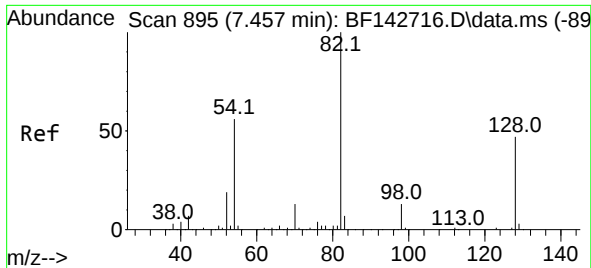
Tgt Ion:136 Resp: 209614
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 5.9 8.9
68 4.4 3.7 5.5



#22
Acetophenone
Concen: 28.519 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:105 Resp: 132975
Ion Ratio Lower Upper
105 100
71 0.6 6.4 9.6#
51 6.8 29.1 43.7#
120 2.5 18.3 27.5#





#23

Nitrobenzene-d5

Concen: 81.578 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

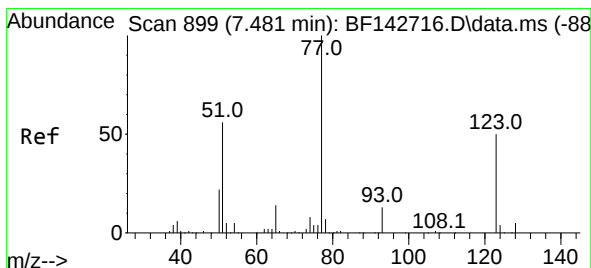
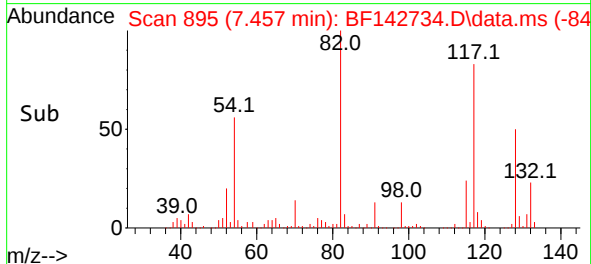
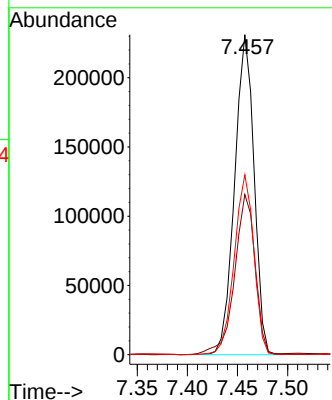
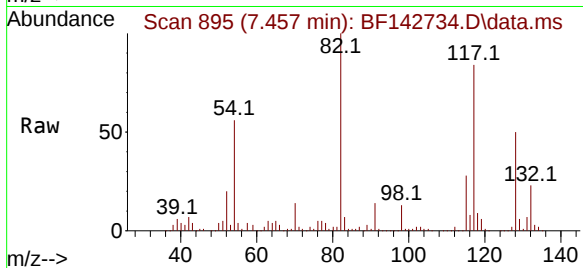
Tgt Ion: 82 Resp: 312453

Ion Ratio Lower Upper

82 100

128 50.1 37.8 56.8

54 56.2 44.9 67.3



#24

Nitrobenzene

Concen: 4.742 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

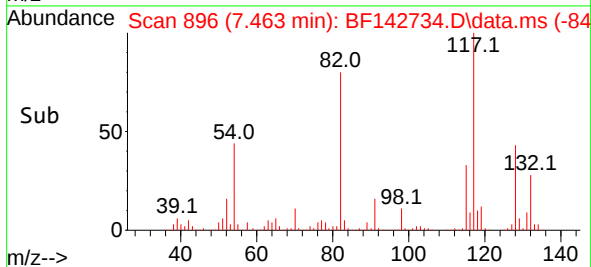
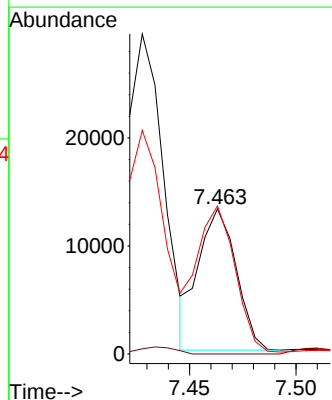
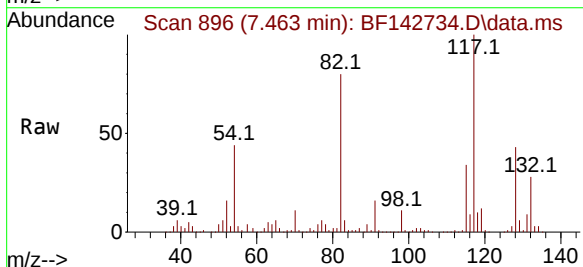
Tgt Ion: 77 Resp: 16119

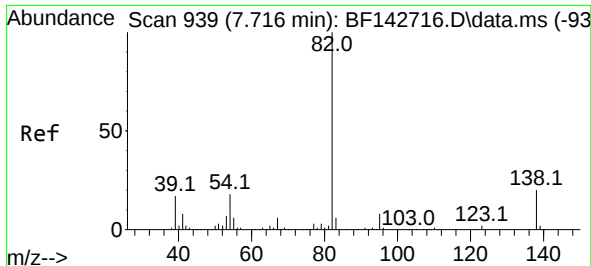
Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

65 102.0 11.5 17.3#

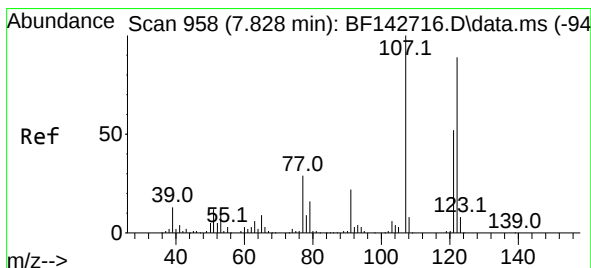
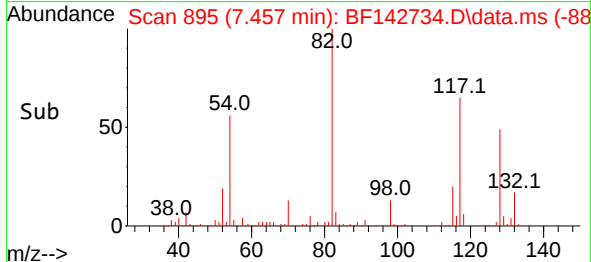
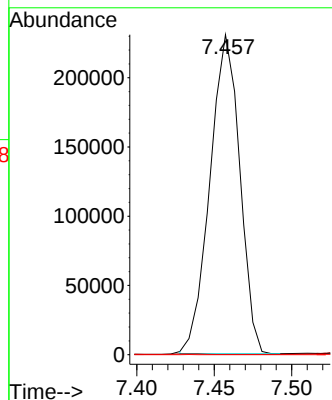
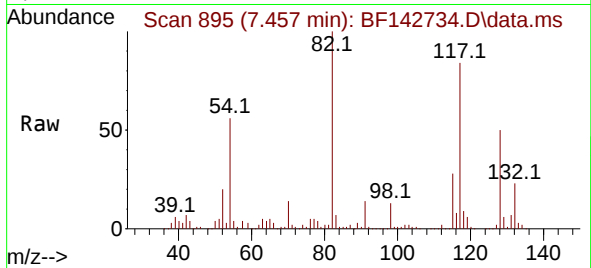




#25
Isophorone
Concen: 47.563 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.259 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

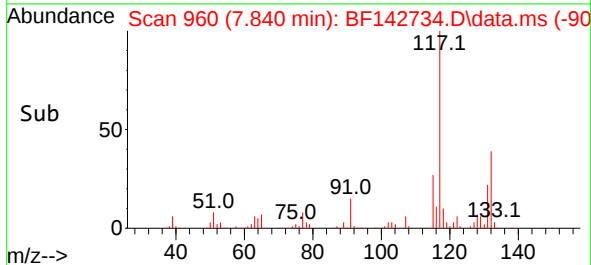
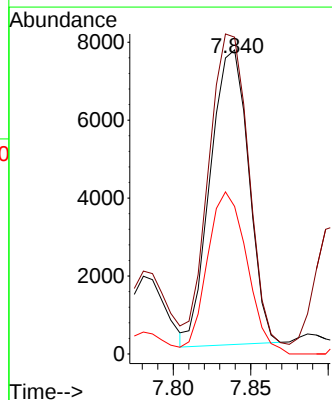
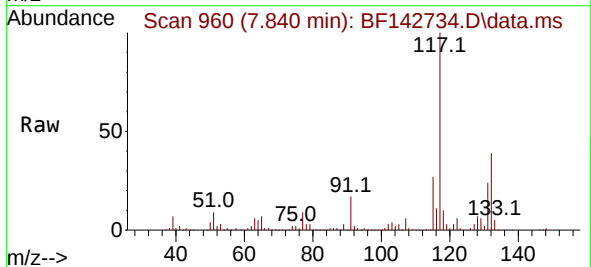
Instrument :
BNA_F
ClientSampleId :

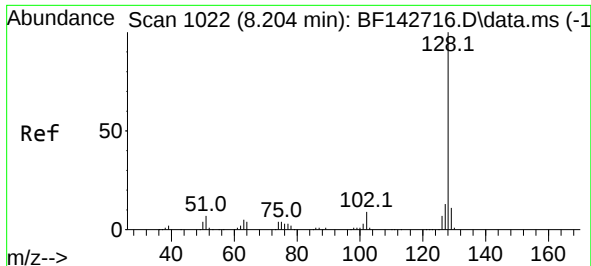
Tgt Ion: 82 Resp: 308447
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.8 23.6#



#27
2,4-Dimethylphenol
Concen: 4.033 ng
RT: 7.840 min Scan# 960
Delta R.T. 0.012 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

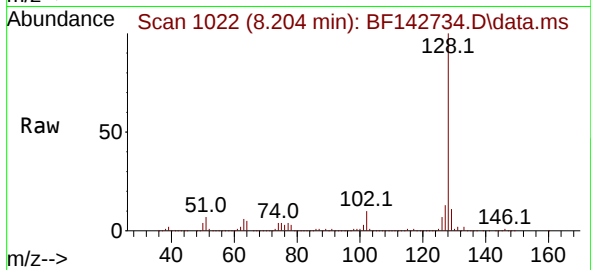
Tgt Ion: 122 Resp: 13026
Ion Ratio Lower Upper
122 100
107 104.2 90.4 135.6
121 48.5 46.9 70.3



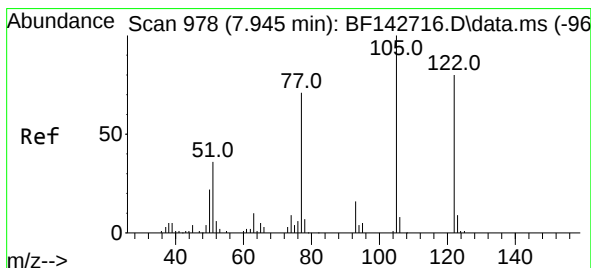
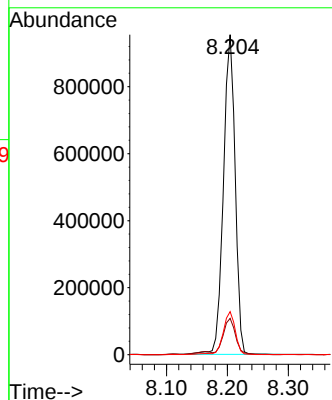
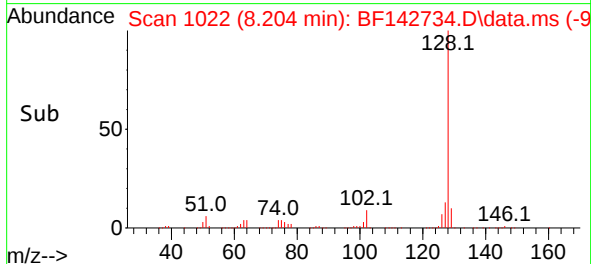


#31
Naphthalene
Concen: 123.236 ng
RT: 8.204 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Instrument :
BNA_F
ClientSampleId :

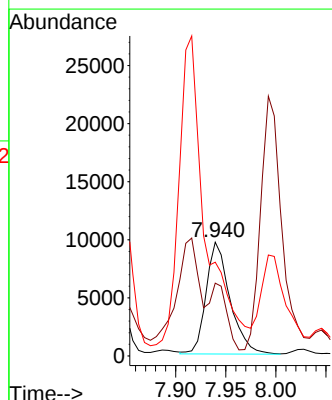
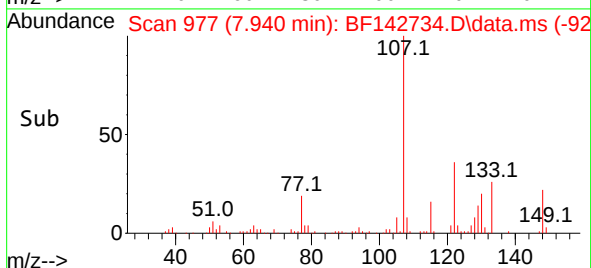
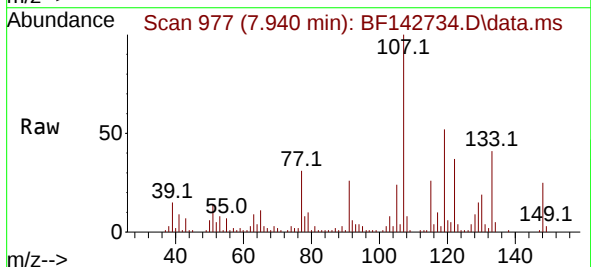


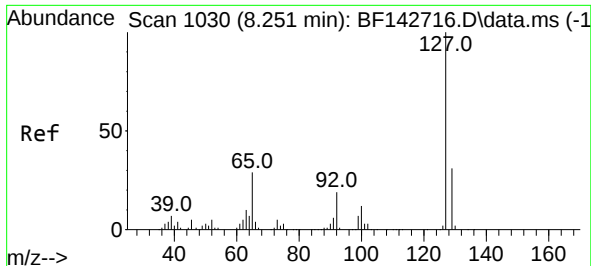
Tgt Ion:128 Resp: 1277553
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.5 10.4 15.6



#32
Benzoic acid
Concen: 8.785 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

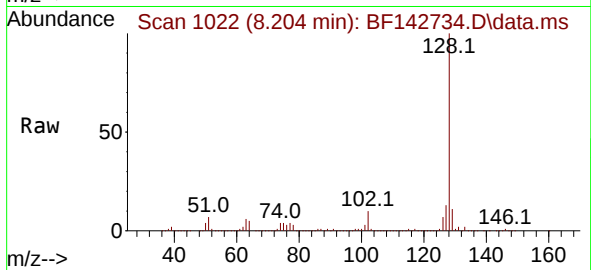
Tgt Ion:122 Resp: 15980
Ion Ratio Lower Upper
122 100
105 64.0 102.6 142.6#
77 82.5 68.2 108.2



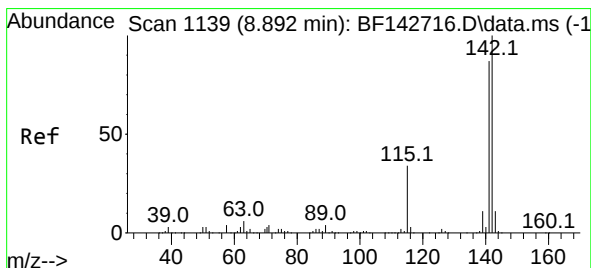
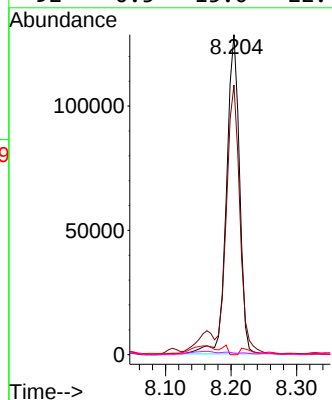
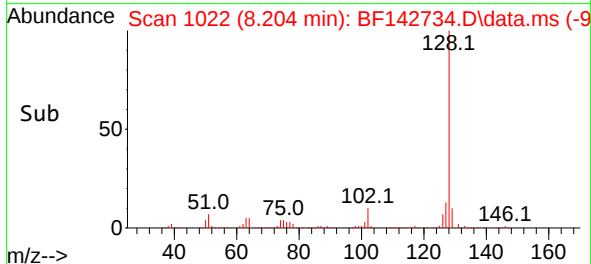


#33
4-Chloroaniline
Concen: 42.569 ng
RT: 8.204 min Scan# 1102
Delta R.T. -0.047 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Instrument :
BNA_F
ClientSampleId :

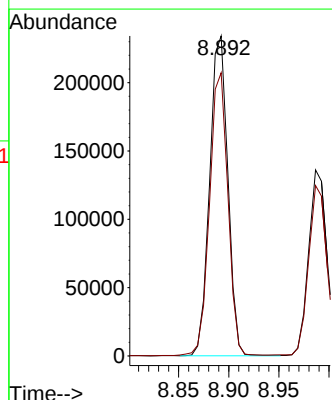
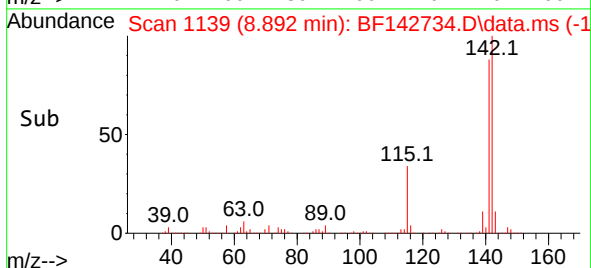
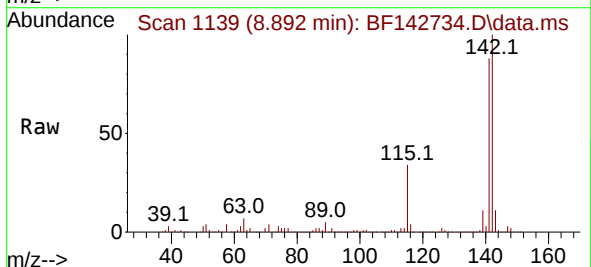


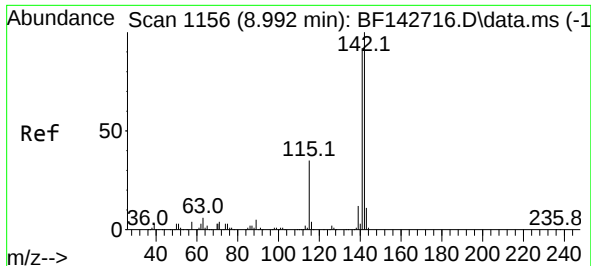
Tgt Ion:127 Resp: 177186
Ion Ratio Lower Upper
127 100
129 84.3 25.6 38.4#
65 0.0 23.0 34.4#
92 0.5 15.0 22.4#



#37
2-Methylnaphthalene
Concen: 45.002 ng
RT: 8.892 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:142 Resp: 295287
Ion Ratio Lower Upper
142 100
141 88.5 69.9 104.9

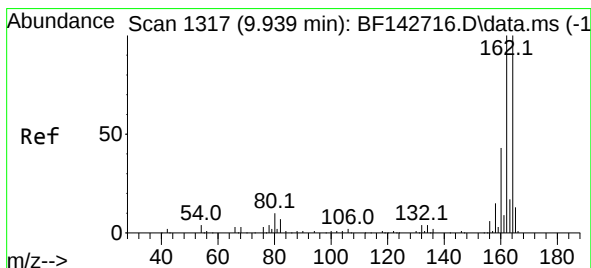
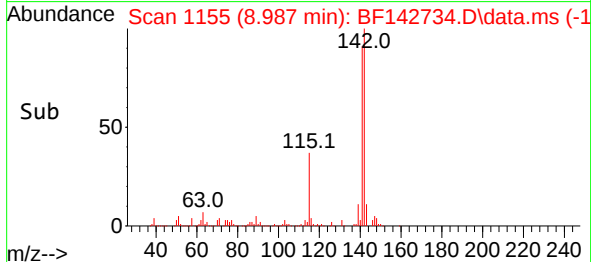
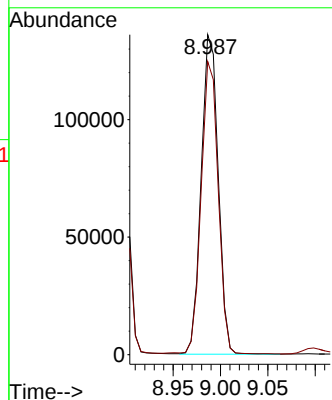
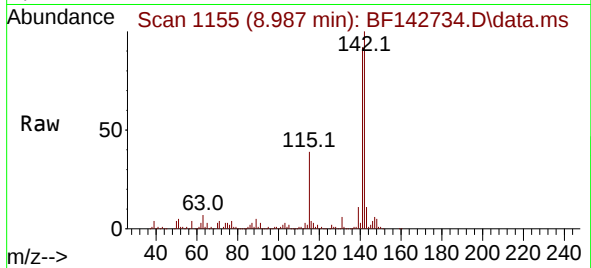




#38
1-Methylnaphthalene
Concen: 24.950 ng
RT: 8.987 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

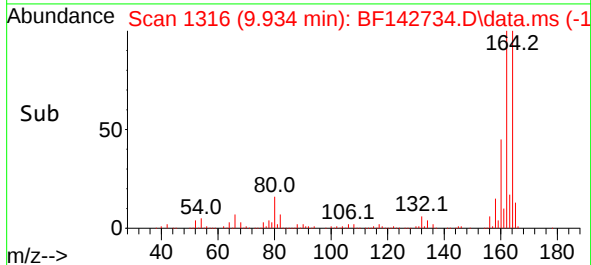
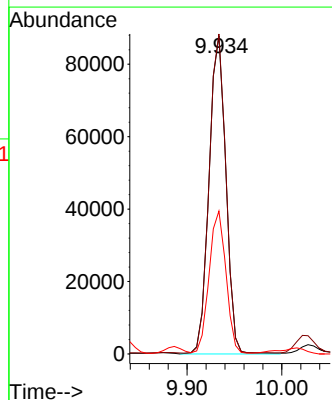
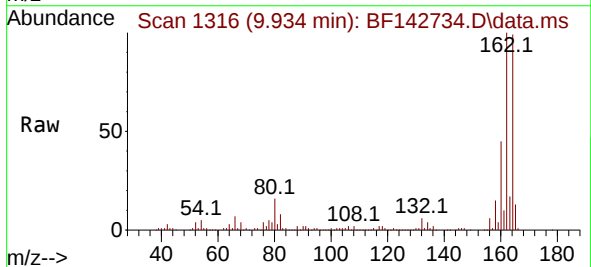
Instrument :
BNA_F
ClientSampleId :

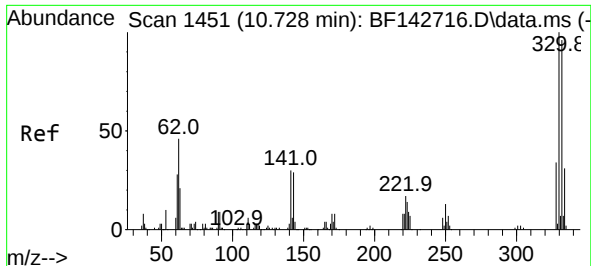
Tgt Ion:142 Resp: 169596
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

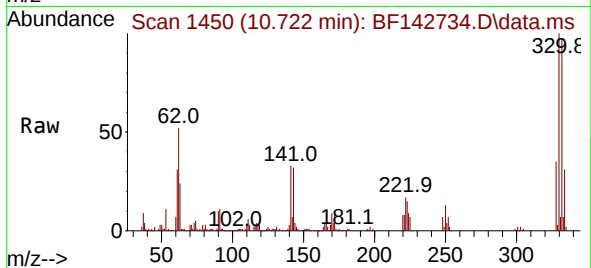
Tgt Ion:164 Resp: 108382
Ion Ratio Lower Upper
164 100
162 100.7 79.9 119.9
160 44.9 34.8 52.2



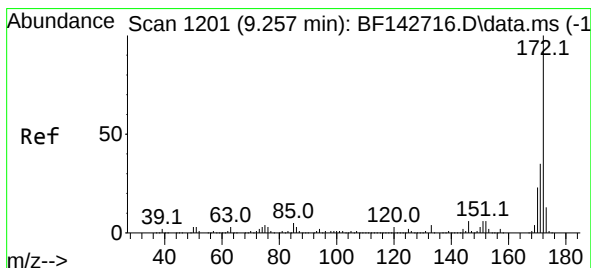
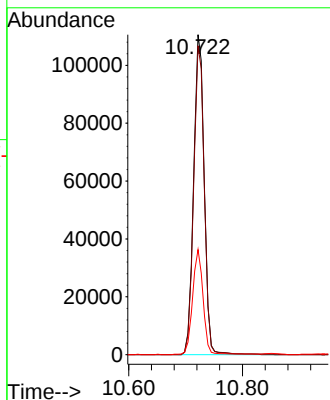
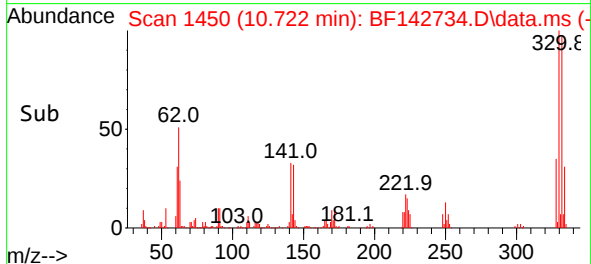


#42
2,4,6-Tribromophenol
Concen: 121.290 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

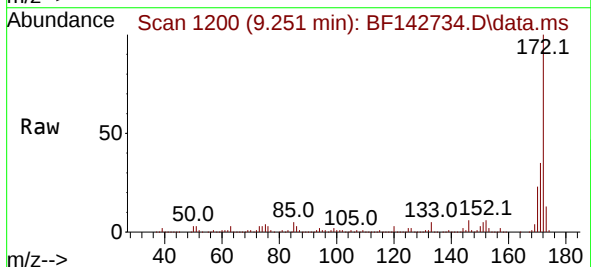
Instrument :
BNA_F
ClientSampleId :



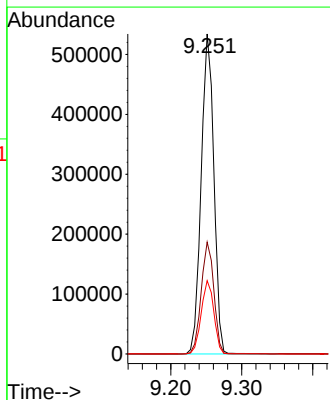
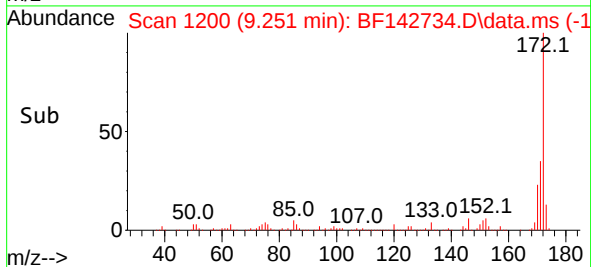
Tgt Ion:330 Resp: 144075
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 32.6 25.4 38.0

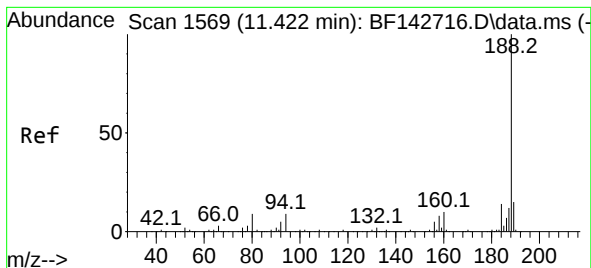


#45
2-Fluorobiphenyl
Concen: 81.662 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50



Tgt Ion:172 Resp: 666189
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.9 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

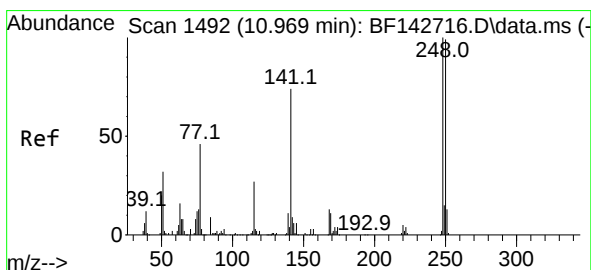
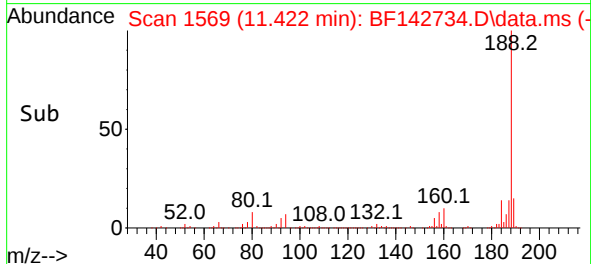
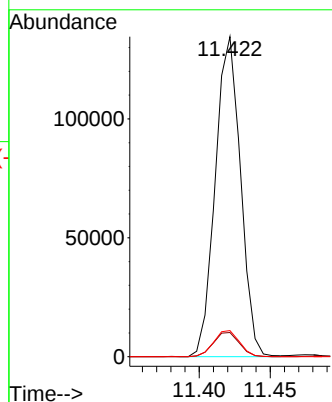
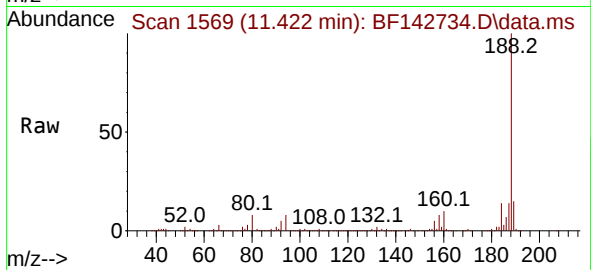
Tgt Ion:188 Resp: 166518

Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.1 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 4.737 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

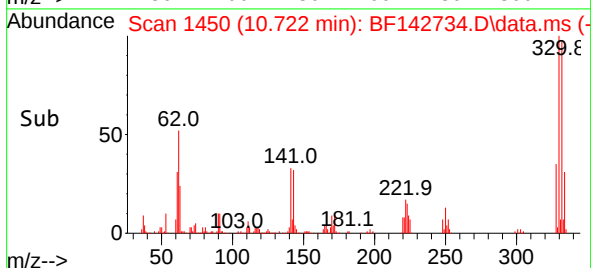
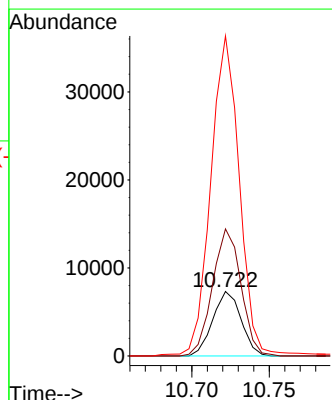
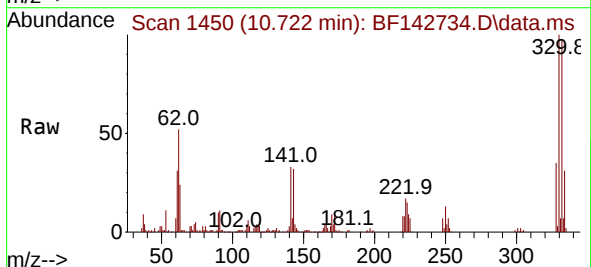
Tgt Ion:248 Resp: 9310

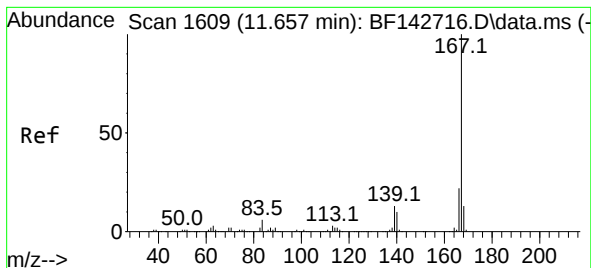
Ion Ratio Lower Upper

248 100

250 197.0 79.2 118.8#

141 496.3 59.3 88.9#





#73

Carbazole

Concen: 2.541 ng

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142734.D

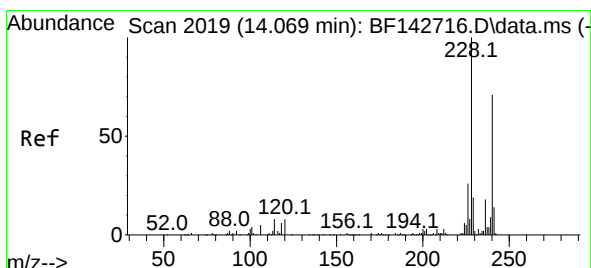
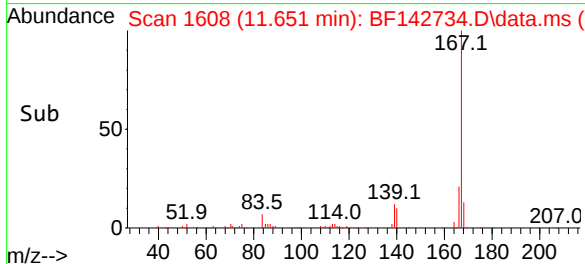
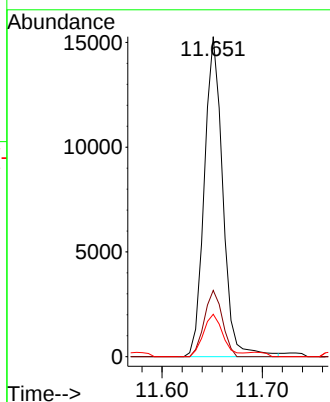
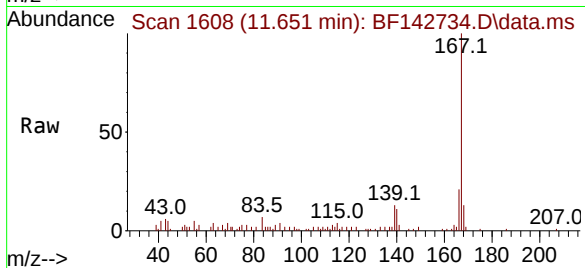
Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:167	Resp:	19635
Ion Ratio	Lower	Upper
167	100	
166	20.7	17.2 25.8
139	13.3	10.2 15.4



#76

Chrysene-d12

Concen: 20.000 ng

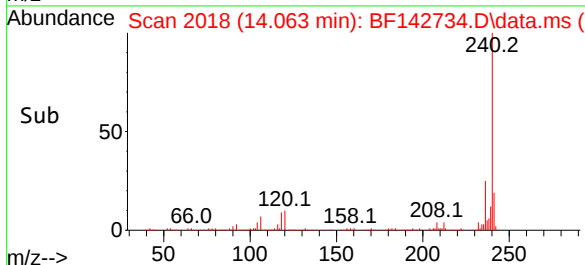
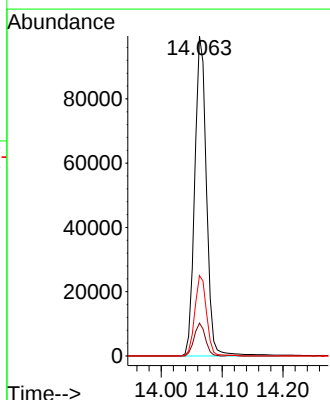
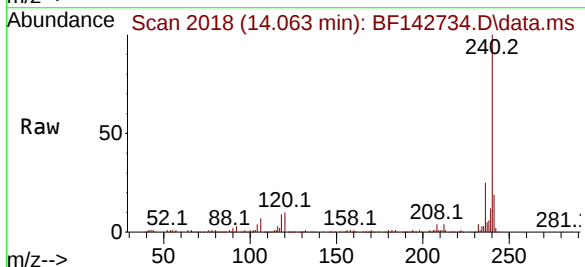
RT: 14.063 min Scan# 2018

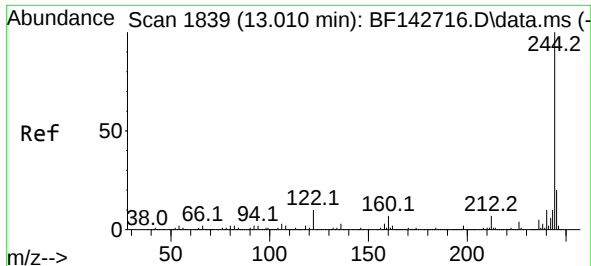
Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

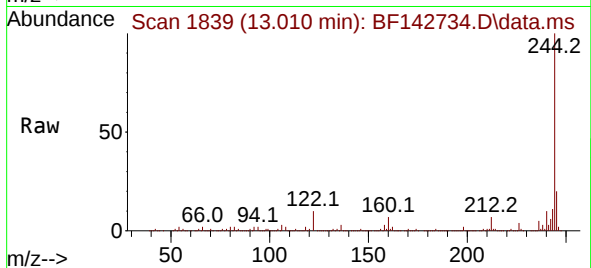
Tgt Ion:240	Resp:	133428
Ion Ratio	Lower	Upper
240	100	
120	10.3	8.5 12.7
236	25.1	20.1 30.1



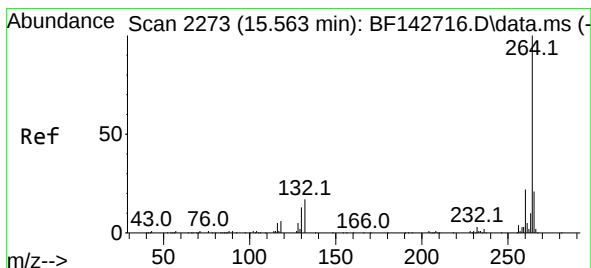
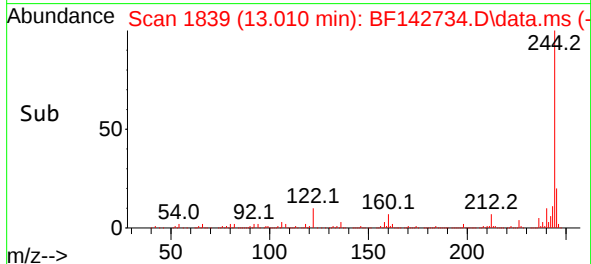
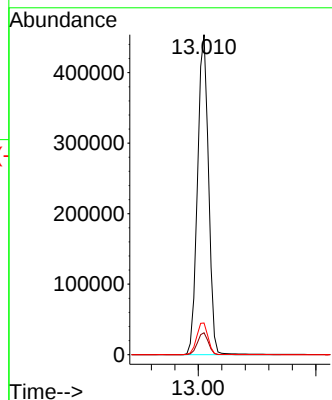


#79
 Terphenyl-d14
 Concen: 60.727 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BF142734.D
 Acq: 11 Jun 2025 14:50

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 589954
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.9 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. 0.000 min
 Lab File: BF142734.D
 Acq: 11 Jun 2025 14:50

Tgt Ion:264 Resp: 157760
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.8 26.6
 265 21.2 16.6 25.0

