

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142744.D
 Acq On : 11 Jun 2025 19:48
 Operator : RC/JU
 Sample : Q2268-03DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 01:48:28 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)

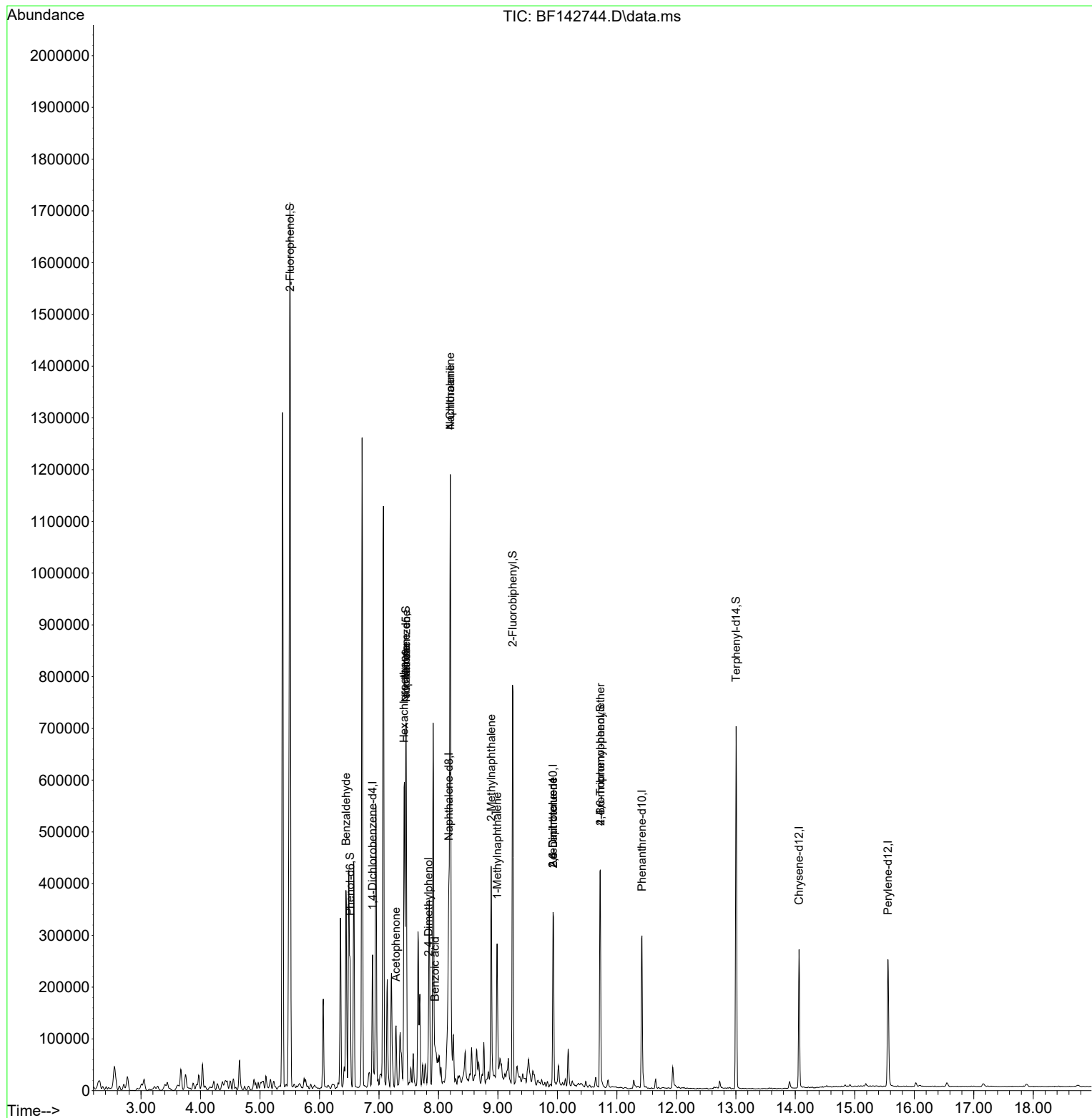
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	55149	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	198571	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	101254	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	157521	20.000	ng	0.00
76) Chrysene-d12	14.062	240	134877	20.000	ng	0.00
86) Perylene-d12	15.556	264	150814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	105327	32.528	ng	0.00
7) Phenol-d6	6.516	99	107941	28.326	ng	0.00
23) Nitrobenzene-d5	7.451	82	162127	44.683	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	72772	65.576	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	356619	46.792	ng	0.00
79) Terphenyl-d14	13.004	244	333276	33.937	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.445	77	23962	10.154	ng	# 1
18) Hexachloroethane	7.422	117	61019	41.720	ng	# 1
22) Acetophenone	7.286	105	67190	15.211	ng	# 57
24) Nitrobenzene	7.457	77	7925	2.461	ng	# 1
25) Isophorone	7.451	82	160169	26.072	ng	# 63
27) 2,4-Dimethylphenol	7.833	122	6370	2.082	ng	95
31) Naphthalene	8.198	128	693071	70.573	ng	99
32) Benzoic acid	7.939	122	8708	5.053	ng	# 72
33) 4-Chloroaniline	8.198	127	94032	23.848	ng	# 33
37) 2-Methylnaphthalene	8.886	142	156413	25.163	ng	99
38) 1-Methylnaphthalene	8.986	142	86959	13.504	ng	100
51) 2,6-Dinitrotoluene	9.927	165	13243	9.062	ng	# 33
57) 2,4-Dinitrotoluene	9.927	165	13243	6.854	ng	# 30
67) 4-Bromophenyl-phenylether	10.722	248	4768	2.564	ng	# 1

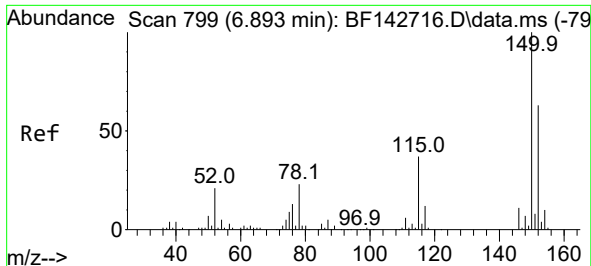
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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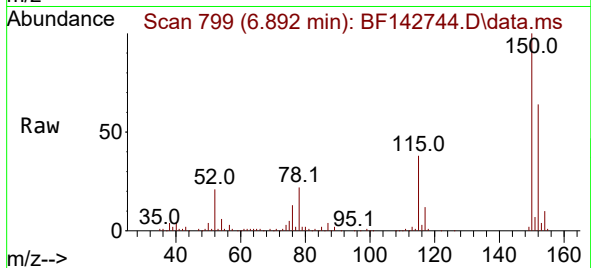
Quant Time: Jun 12 01:48:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
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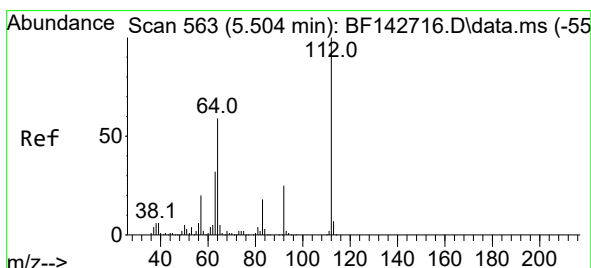
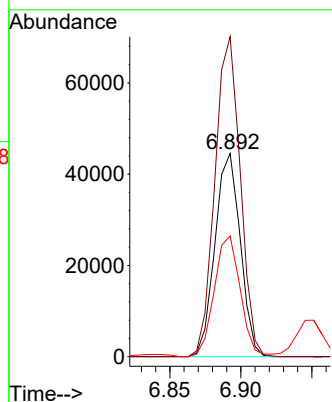
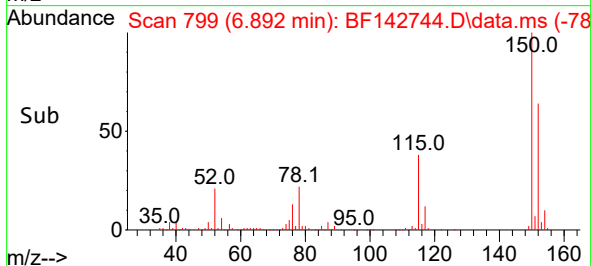


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

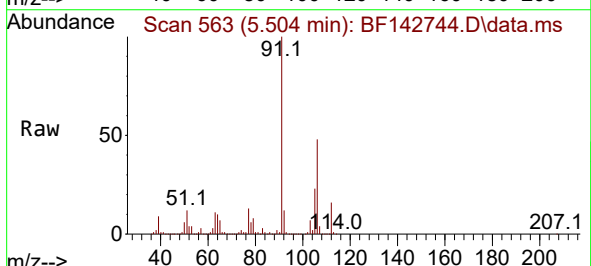
Instrument :
BNA_F
ClientSampleId :



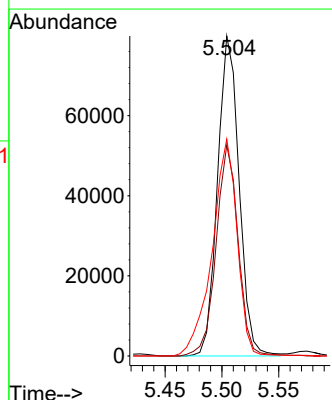
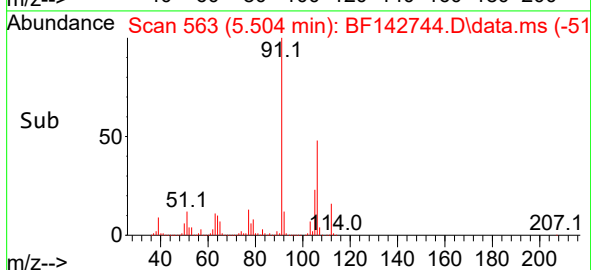
Tgt Ion:152 Resp: 55149
Ion Ratio Lower Upper
152 100
150 157.4 126.9 190.3
115 59.3 47.0 70.6

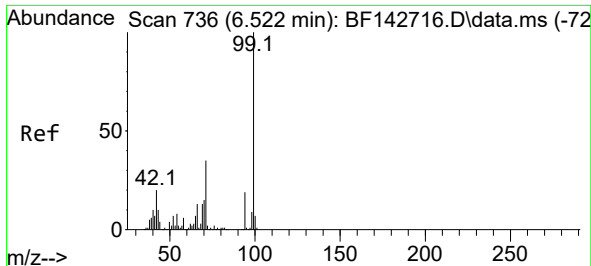


#5
2-Fluorophenol
Concen: 32.528 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48



Tgt Ion:112 Resp: 105327
Ion Ratio Lower Upper
112 100
64 65.9 47.4 71.2
63 67.7 25.4 38.0#





#7

Phenol-d6

Concen: 28.326 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

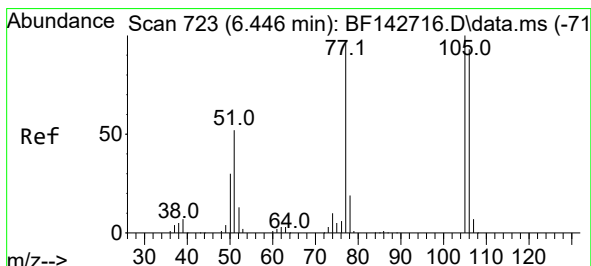
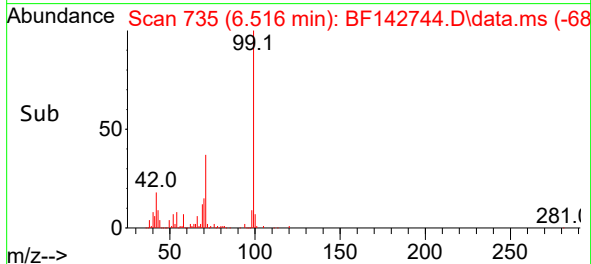
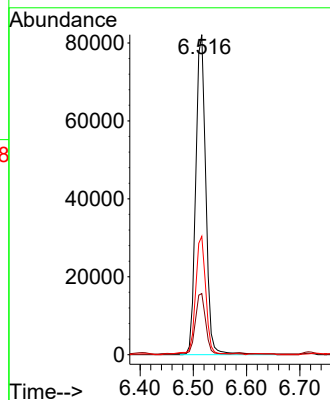
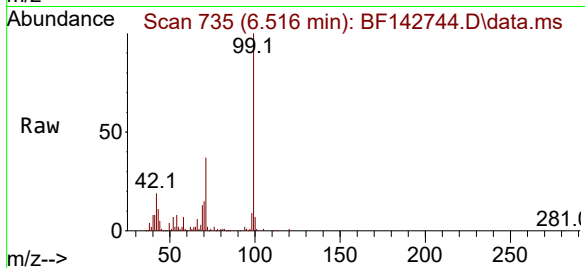
Tgt Ion: 99 Resp: 107941

Ion Ratio Lower Upper

99 100

42 19.1 15.9 23.9

71 37.0 28.0 42.0



#9

Benzaldehyde

Concen: 10.154 ng

RT: 6.445 min Scan# 723

Delta R.T. -0.001 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

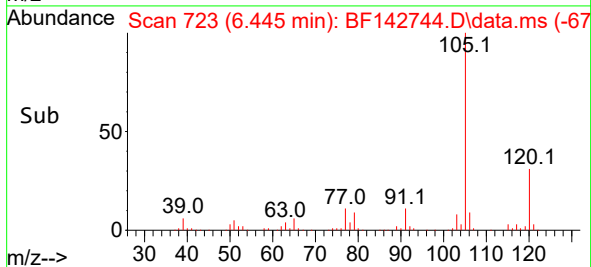
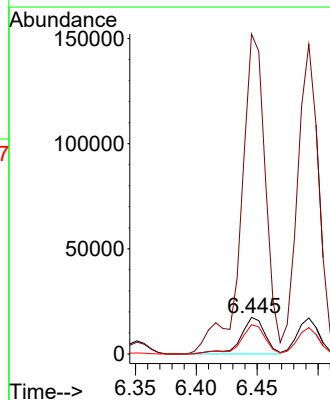
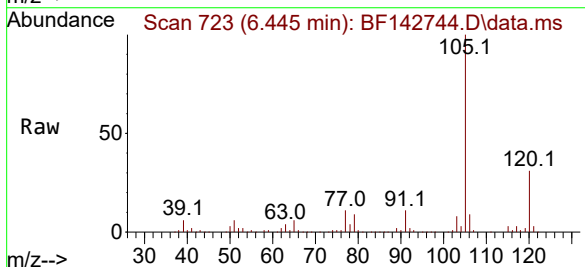
Tgt Ion: 77 Resp: 23962

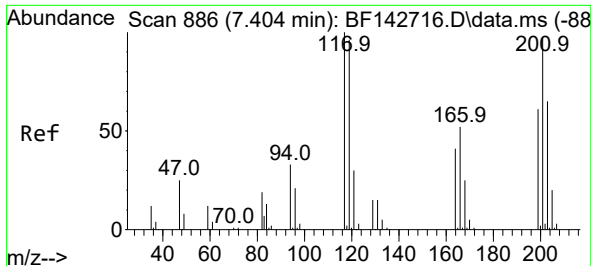
Ion Ratio Lower Upper

77 100

105 874.7 84.1 124.1#

106 79.9 77.2 117.2

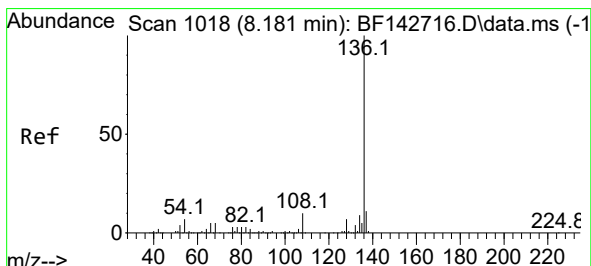
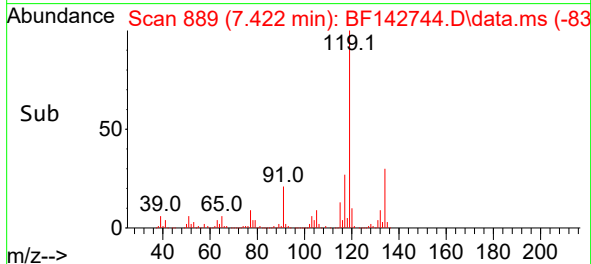
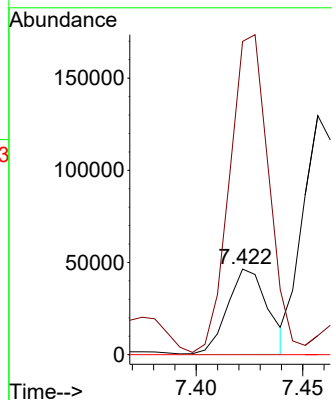
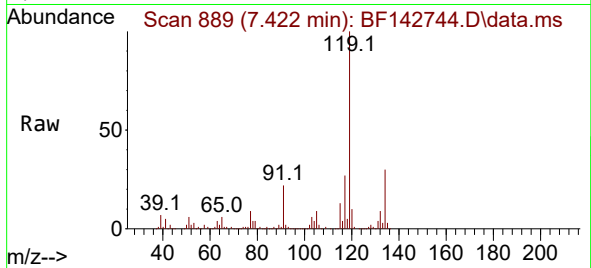




#18
Hexachloroethane
Concen: 41.720 ng
RT: 7.422 min Scan# 886
Delta R.T. 0.017 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

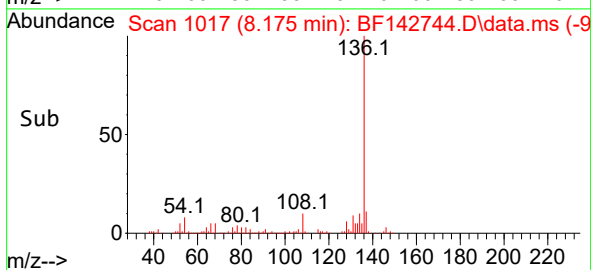
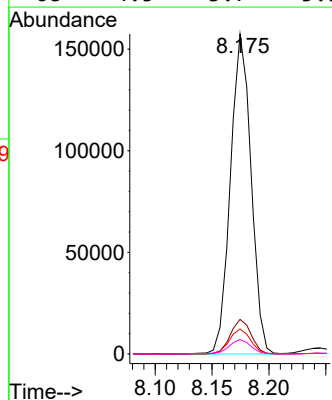
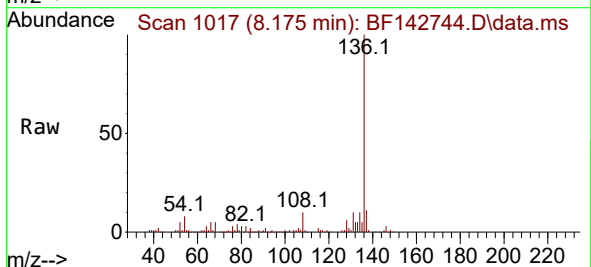
Instrument :
BNA_F
ClientSampleId :

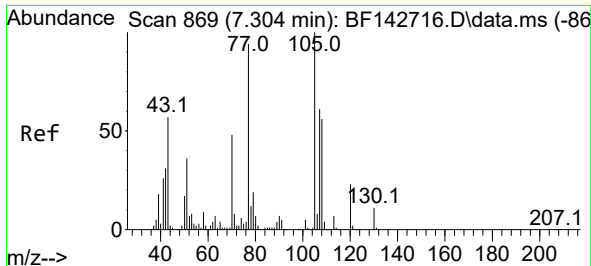
Tgt Ion:117 Resp: 61019
Ion Ratio Lower Upper
117 100
119 365.6 76.4 114.6#
201 0.0 77.8 116.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

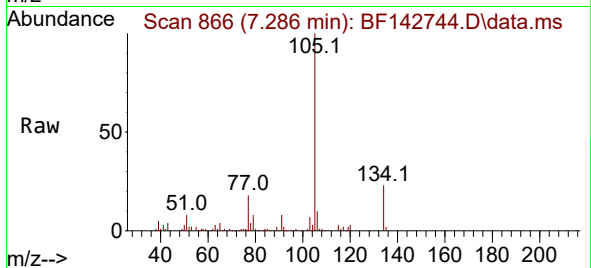
Tgt Ion:136 Resp: 198571
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 5.9 8.9
68 4.5 3.7 5.5



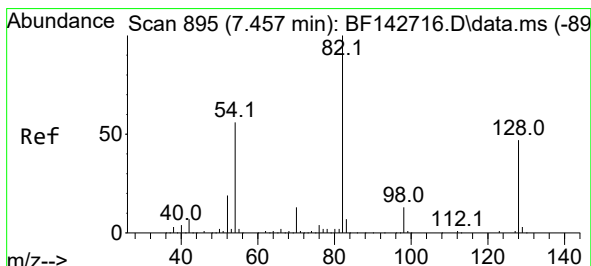
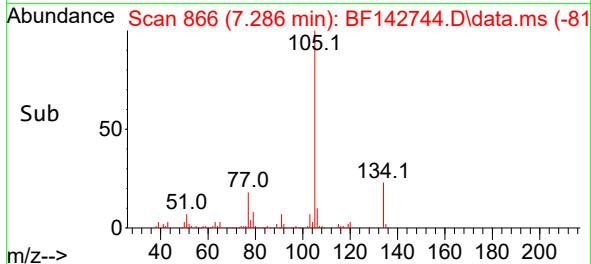
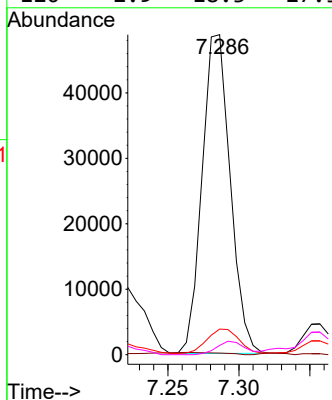


#22
Acetophenone
Concen: 15.211 ng
RT: 7.286 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Instrument :
BNA_F
ClientSampleId :

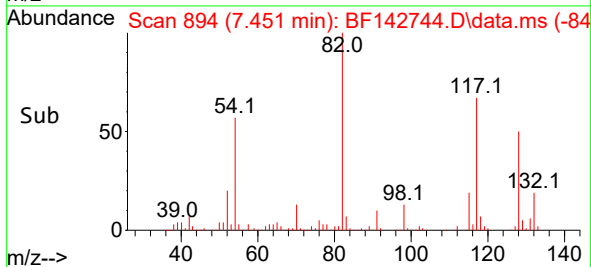
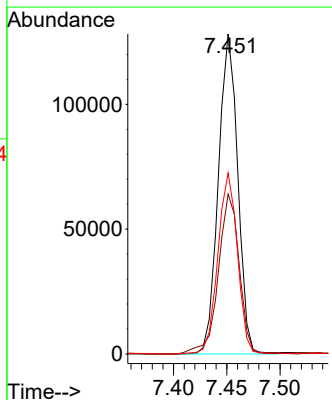
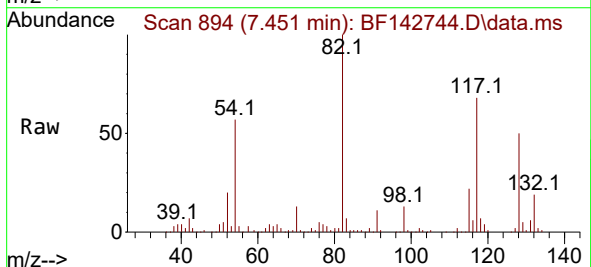


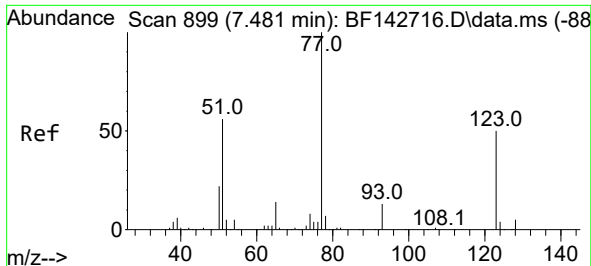
Tgt Ion:105 Resp: 67190
Ion Ratio Lower Upper
105 100
71 0.5 6.4 9.6#
51 8.0 29.1 43.7#
120 2.9 18.3 27.5#



#23
Nitrobenzene-d5
Concen: 44.683 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion: 82 Resp: 162127
Ion Ratio Lower Upper
82 100
128 50.0 37.8 56.8
54 56.6 44.9 67.3

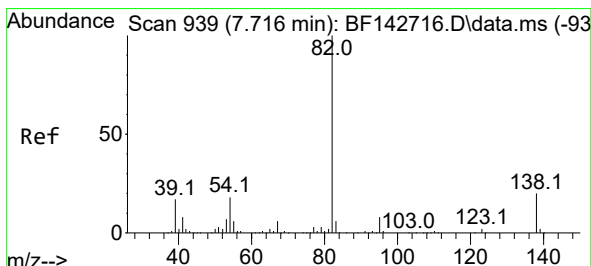
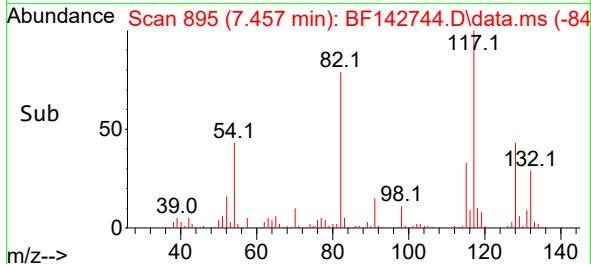
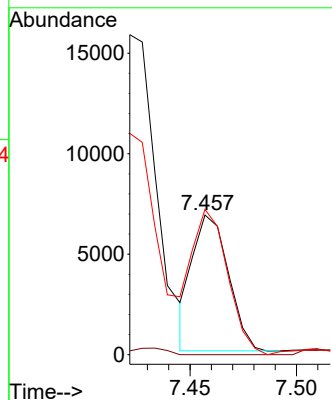
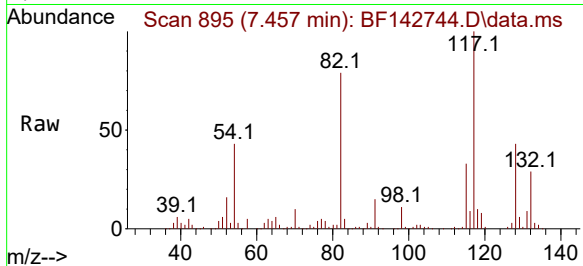




#24
Nitrobenzene
Concen: 2.461 ng
RT: 7.457 min Scan# 899
Delta R.T. -0.024 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

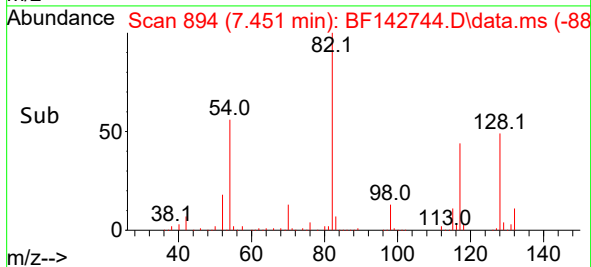
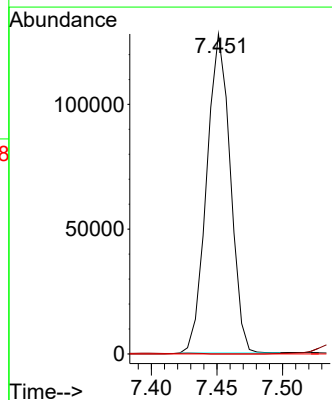
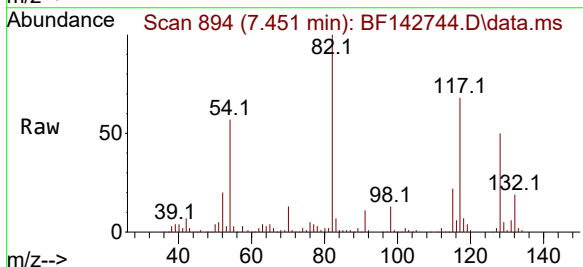
Instrument :
BNA_F
ClientSampleId :

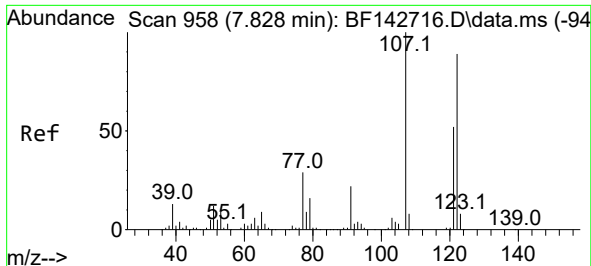
Tgt Ion: 77 Resp: 7925
Ion Ratio Lower Upper
77 100
123 0.0 40.8 61.2#
65 104.0 11.5 17.3#



#25
Isophorone
Concen: 26.072 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion: 82 Resp: 160169
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#





#27

2,4-Dimethylphenol

Concen: 2.082 ng

RT: 7.833 min Scan# 91

Delta R.T. 0.006 min

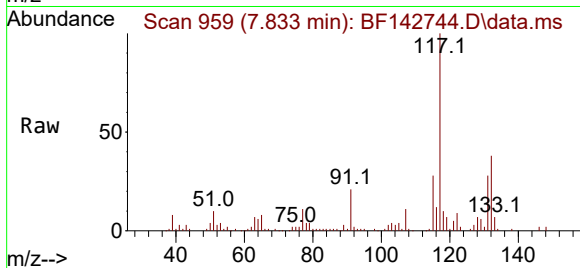
Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :



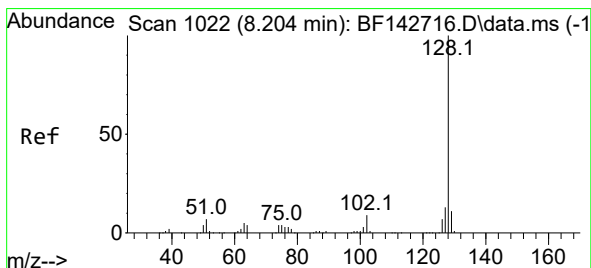
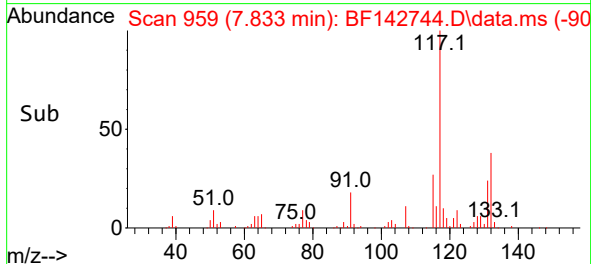
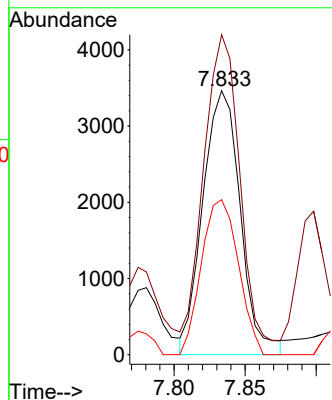
Tgt Ion:122 Resp: 6370

Ion Ratio Lower Upper

122 100

107 121.2 90.4 135.6

121 58.7 46.9 70.3



#31

Naphthalene

Concen: 70.573 ng

RT: 8.198 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

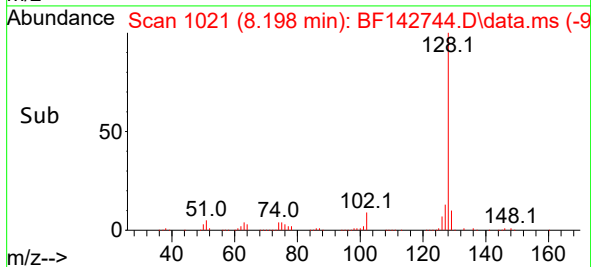
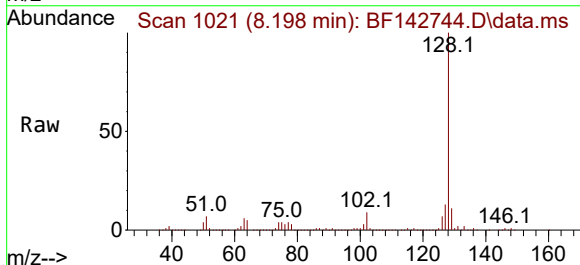
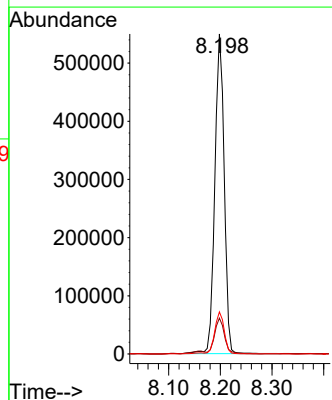
Tgt Ion:128 Resp: 693071

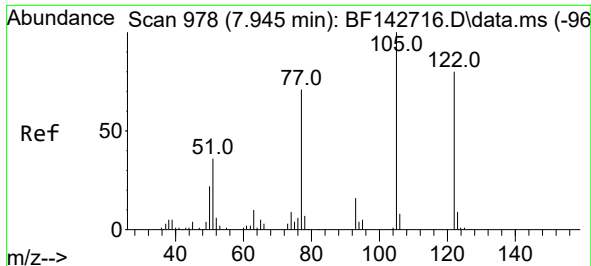
Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.2 10.4 15.6

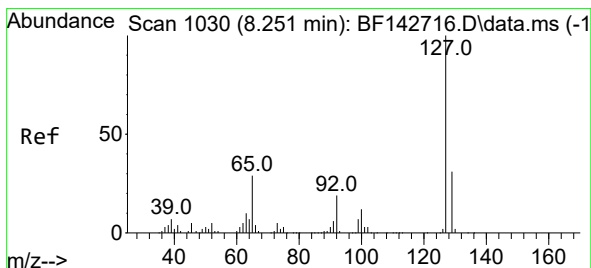
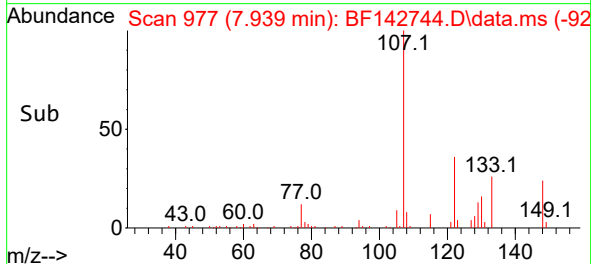
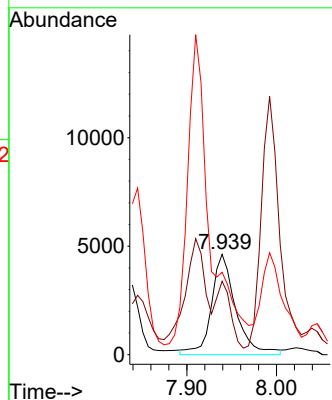
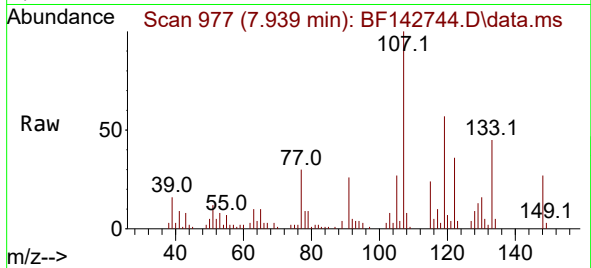




#32
Benzoic acid
Concen: 5.053 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

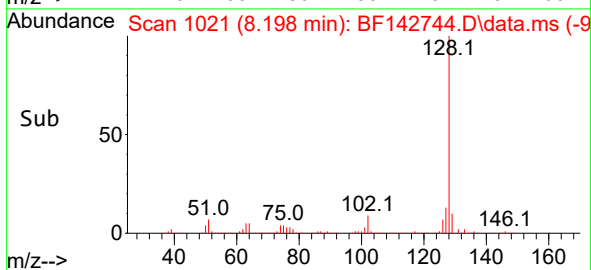
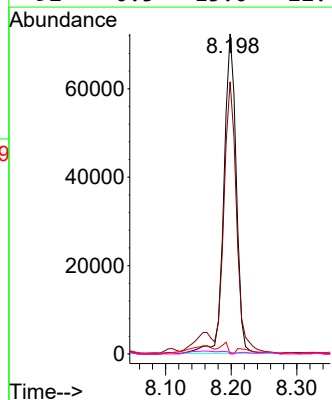
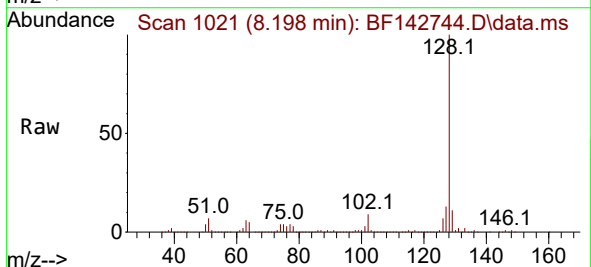
Instrument :
BNA_F
ClientSampleId :

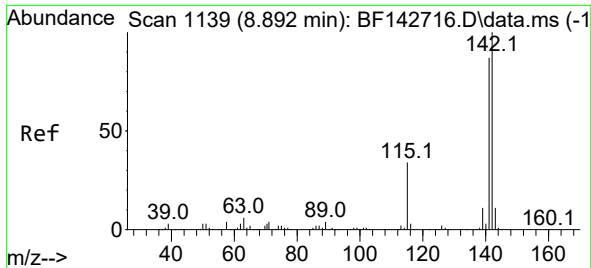
Tgt Ion:122 Resp: 8708
Ion Ratio Lower Upper
122 100
105 73.2 102.6 142.6#
77 82.1 68.2 108.2



#33
4-Chloroaniline
Concen: 23.848 ng
RT: 8.198 min Scan# 1021
Delta R.T. -0.053 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion:127 Resp: 94032
Ion Ratio Lower Upper
127 100
129 85.0 25.6 38.4#
65 0.0 23.0 34.4#
92 0.5 15.0 22.4#

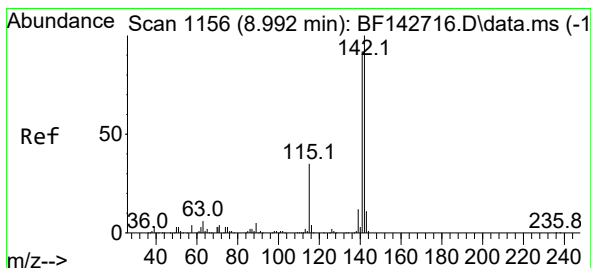
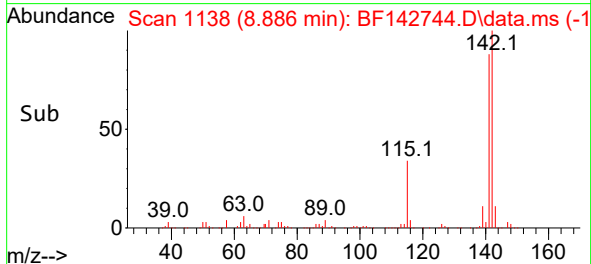
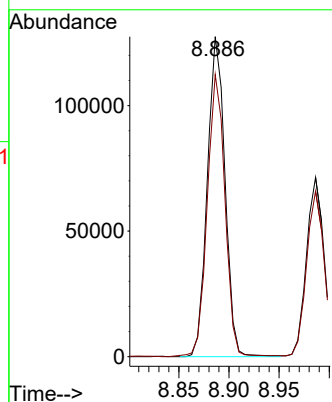
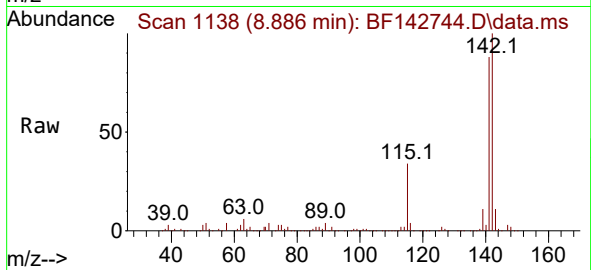




#37
2-Methylnaphthalene
Concen: 25.163 ng
RT: 8.886 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

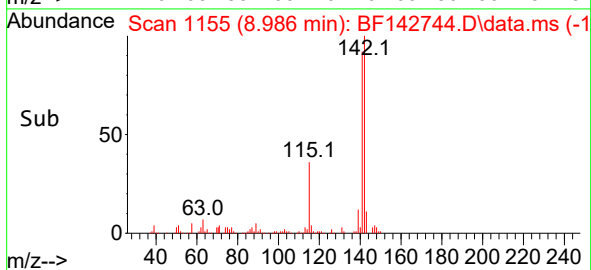
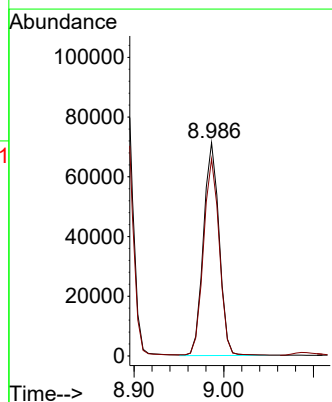
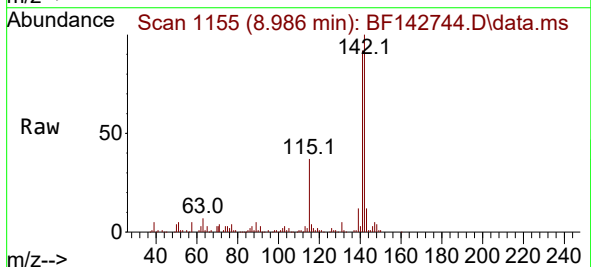
Instrument :
BNA_F
ClientSampleId :

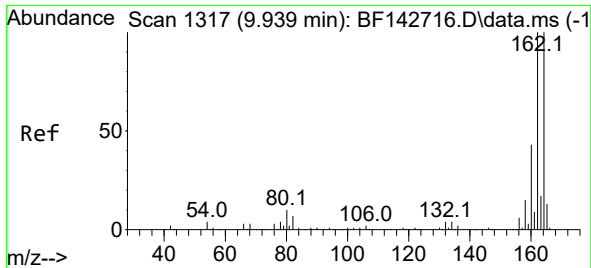
Tgt Ion:142 Resp: 156413
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 13.504 ng
RT: 8.986 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

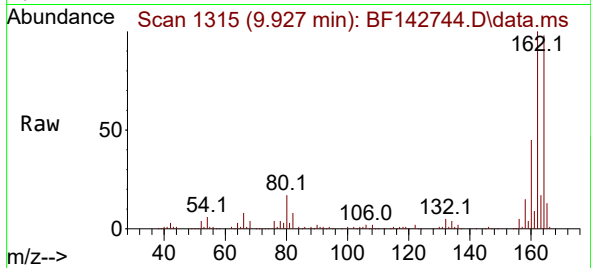
Tgt Ion:142 Resp: 86959
Ion Ratio Lower Upper
142 100
141 92.4 73.5 110.3



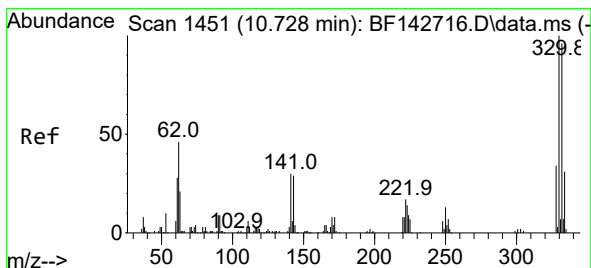
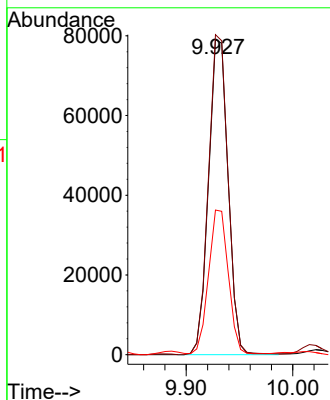
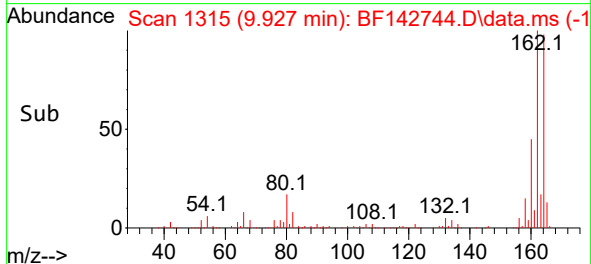


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

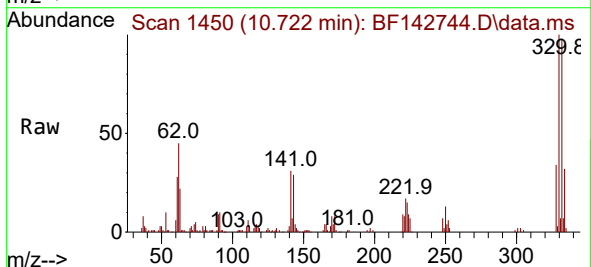
Instrument :
BNA_F
ClientSampleId :



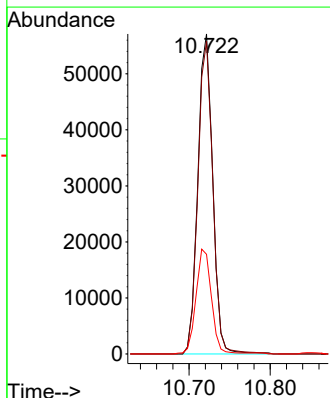
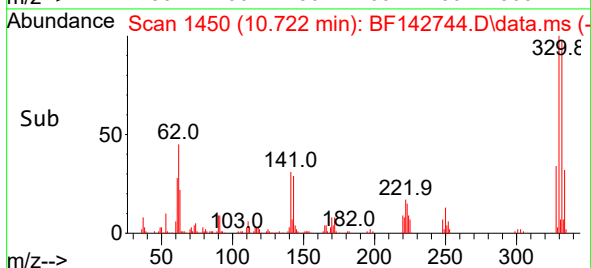
Tgt Ion:164 Resp: 101254
Ion Ratio Lower Upper
164 100
162 101.6 79.9 119.9
160 45.9 34.8 52.2

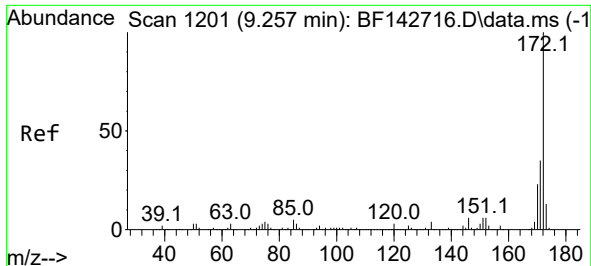


#42
2,4,6-Tribromophenol
Concen: 65.576 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48



Tgt Ion:330 Resp: 72772
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 34.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 46.792 ng

RT: 9.251 min Scan# 1315

Delta R.T. -0.006 min

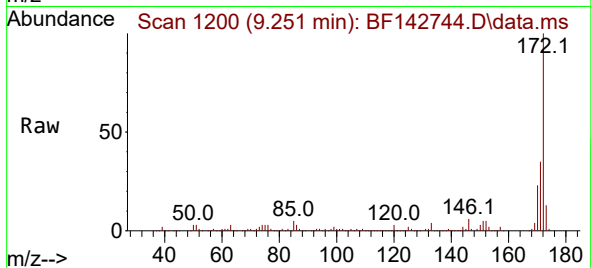
Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :



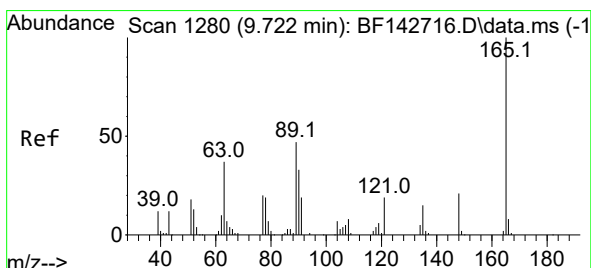
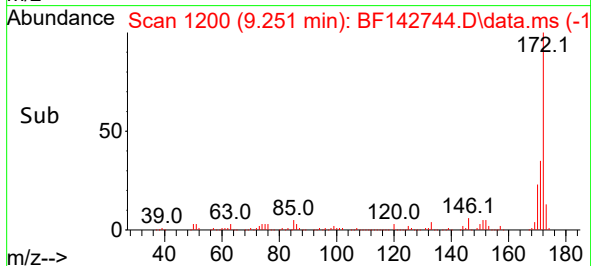
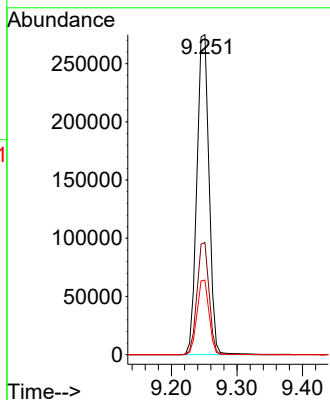
Tgt Ion:172 Resp: 356619

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.3 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.062 ng

RT: 9.927 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

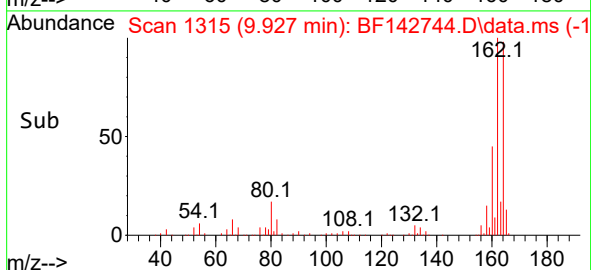
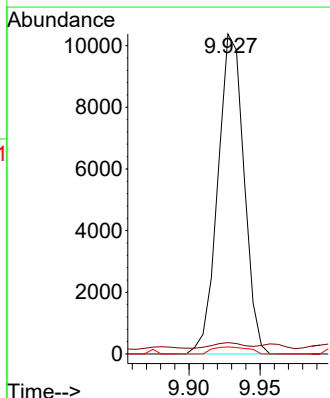
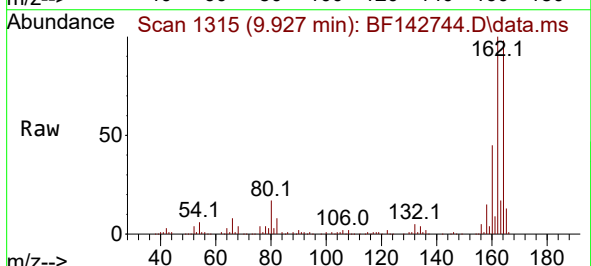
Tgt Ion:165 Resp: 13243

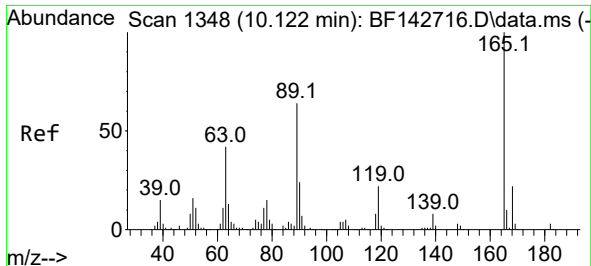
Ion Ratio Lower Upper

165 100

63 3.6 40.6 60.8#

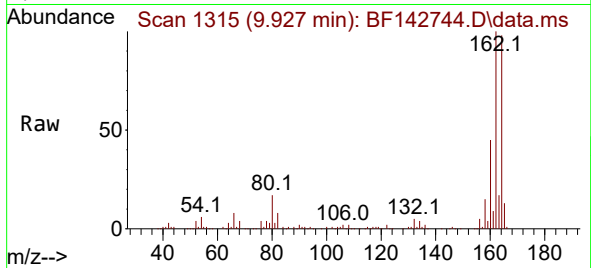
89 2.2 37.6 56.4#



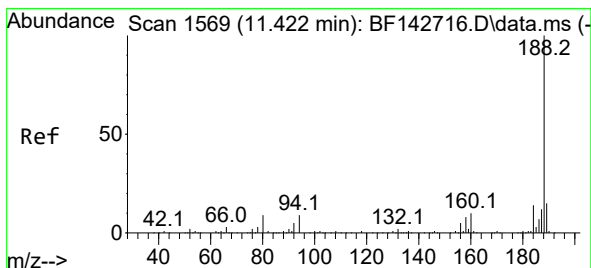
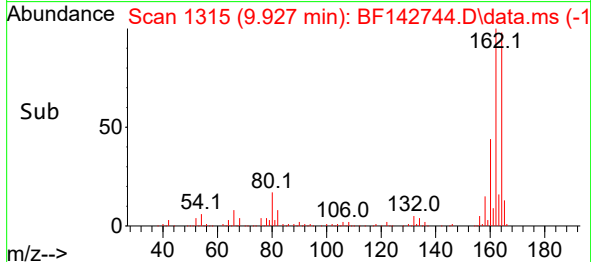
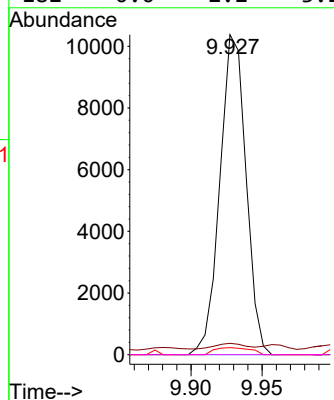


#57
2,4-Dinitrotoluene
Concen: 6.854 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Instrument :
BNA_F
ClientSampleId :

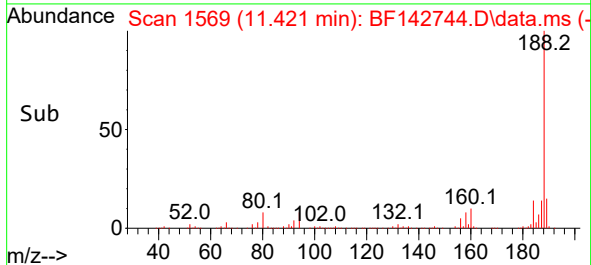
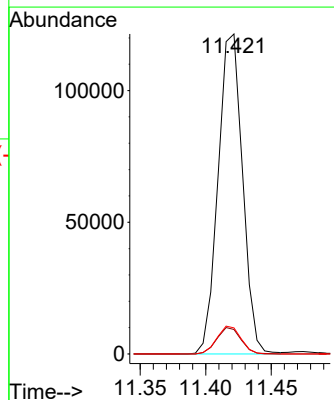
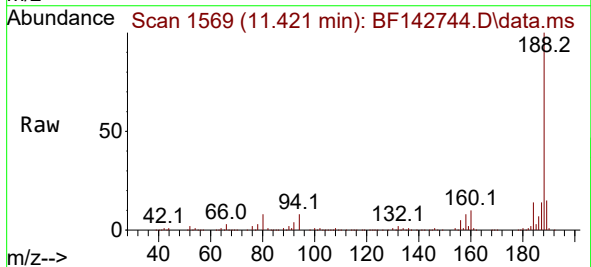


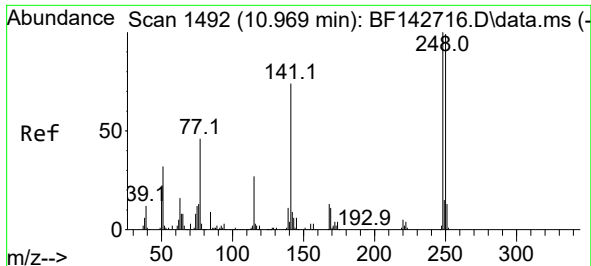
Tgt Ion:165 Resp: 13243
Ion Ratio Lower Upper
165 100
63 3.6 34.1 51.1#
89 2.2 50.8 76.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion:188 Resp: 157521
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.1 7.1 10.7

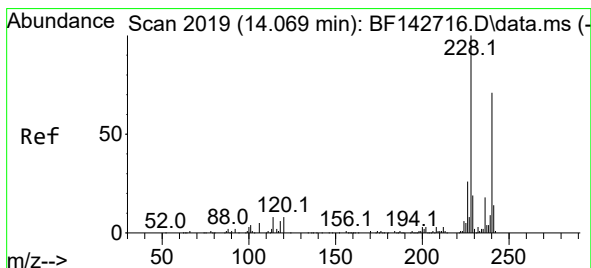
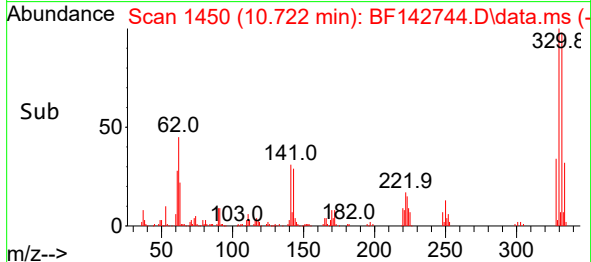
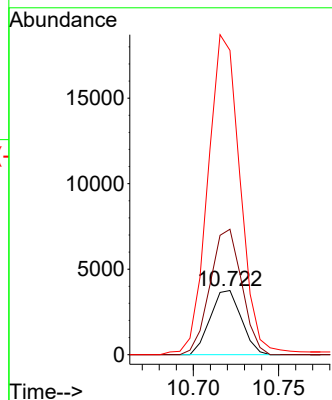
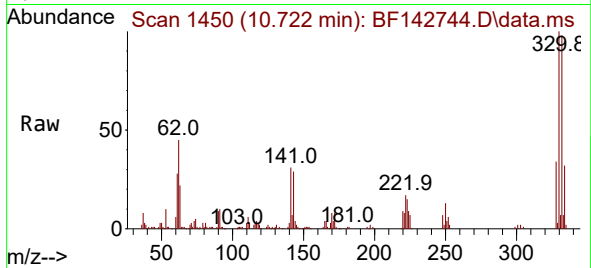




#67
4-Bromophenyl-phenylether
Concen: 2.564 ng
RT: 10.722 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

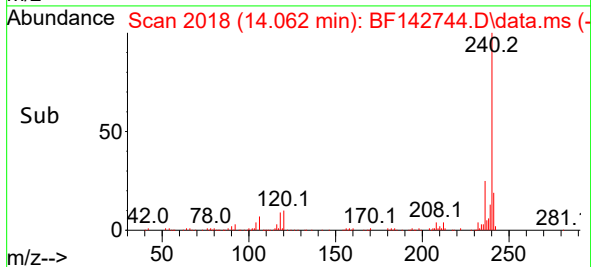
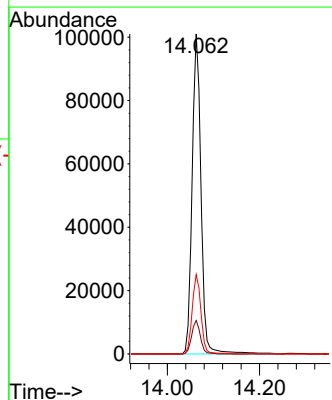
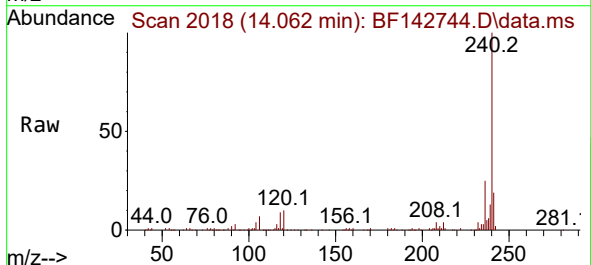
Instrument :
BNA_F
ClientSampleId :

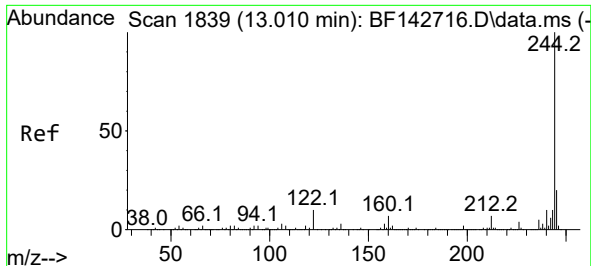
Tgt Ion:248 Resp: 4768
Ion Ratio Lower Upper
248 100
250 195.5 79.2 118.8#
141 474.2 59.3 88.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

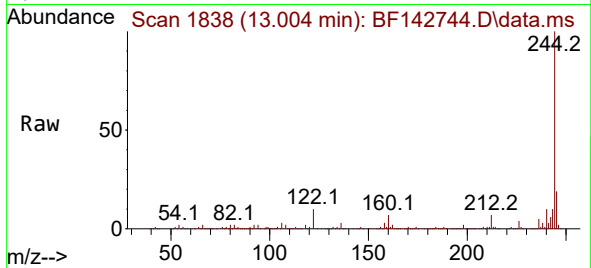
Tgt Ion:240 Resp: 134877
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 24.8 20.1 30.1



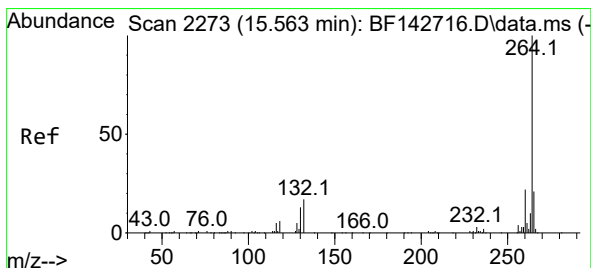
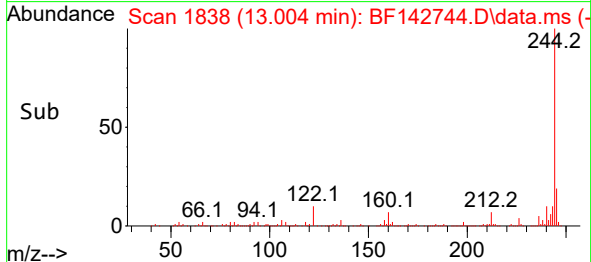
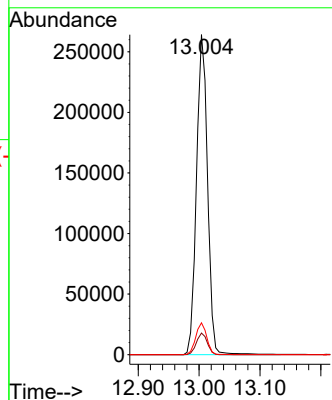


#79
 Terphenyl-d14
 Concen: 33.937 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142744.D
 Acq: 11 Jun 2025 19:48

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 333276
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.0 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: BF142744.D
 Acq: 11 Jun 2025 19:48

Tgt Ion:264 Resp: 150814
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.8 26.6
 265 21.1 16.6 25.0

