

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142597.D
 Acq On : 02 Jun 2025 15:05
 Operator : RC/JU
 Sample : Q2134-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 15:47:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

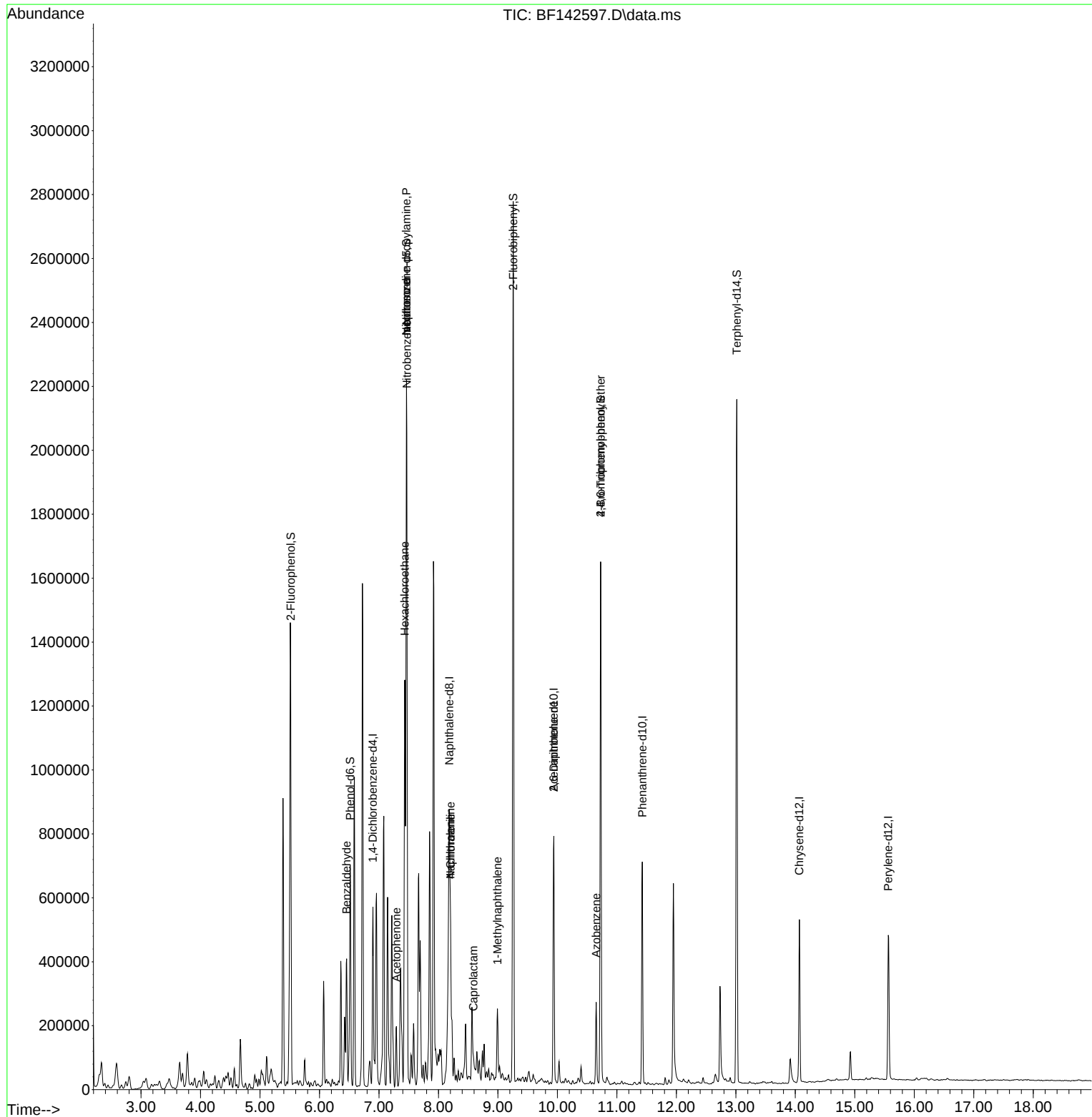
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120089	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	445960	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232989	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	364457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	246692	20.000	ng	0.00
86) Perylene-d12	15.563	264	270947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	400957	56.251	ng	0.00
7) Phenol-d6	6.516	99	311476	36.301	ng	-0.02
23) Nitrobenzene-d5	7.463	82	608220	74.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	293646	113.557	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1262677	72.722	ng	-0.01
79) Terphenyl-d14	13.016	244	1060270	58.733	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.457	77	21040	4.077	ng	# 1
18) Hexachloroethane	7.434	117	172544	56.623	ng	# 1
19) n-Nitroso-di-n-propyla...	7.463	70	82759	15.563	ng	# 77
22) Acetophenone	7.292	105	103967	10.531	ng	# 53
24) Nitrobenzene	7.469	77	23934	3.245	ng	# 1
25) Isophorone	7.463	82	588847	43.064	ng	# 63
31) Naphthalene	8.204	128	180829	8.235	ng	# 95
33) 4-Chloroaniline	8.204	127	28477	3.200	ng	# 38
35) Caprolactam	8.587	113	12899	7.266	ng	97
38) 1-Methylnaphthalene	8.992	142	71333	4.992	ng	98
51) 2,6-Dinitrotoluene	9.939	165	29770	8.972	ng	# 30
63) Azobenzene	10.651	77	56048	4.156	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	18382	4.266	ng	# 1

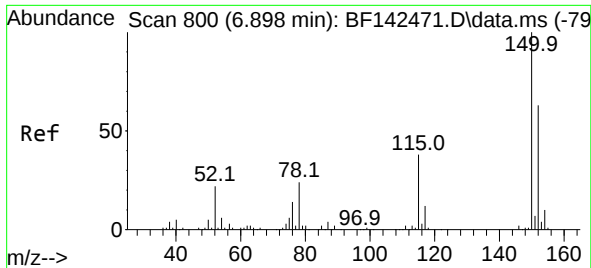
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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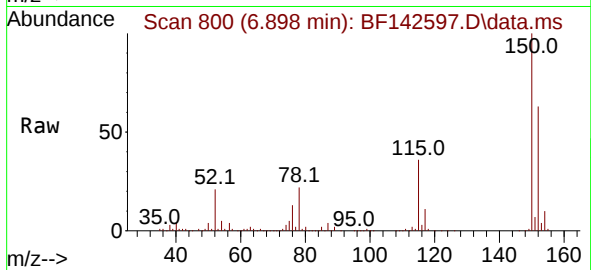
Quant Time: Jun 02 15:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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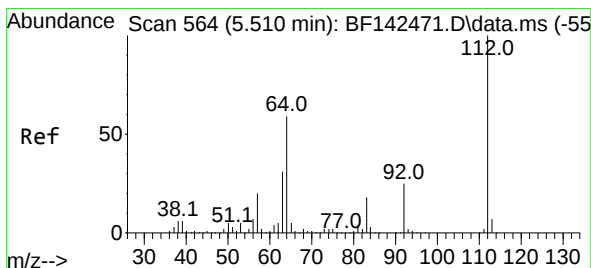
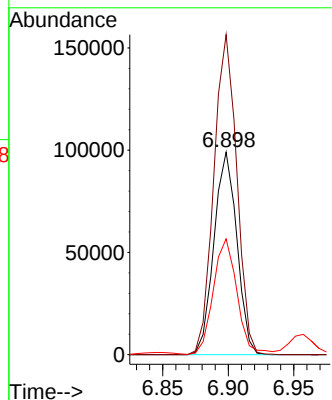
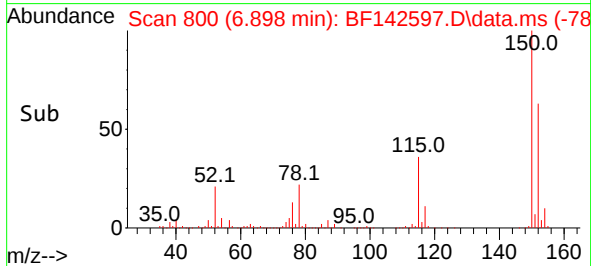


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

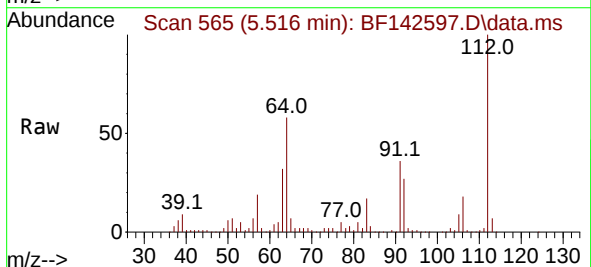
Instrument :
BNA_F
ClientSampleId :



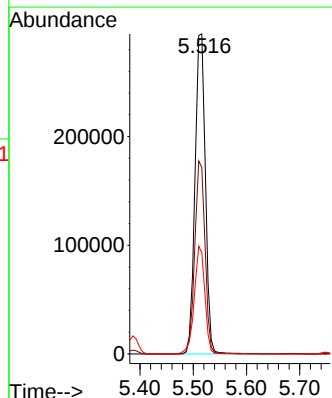
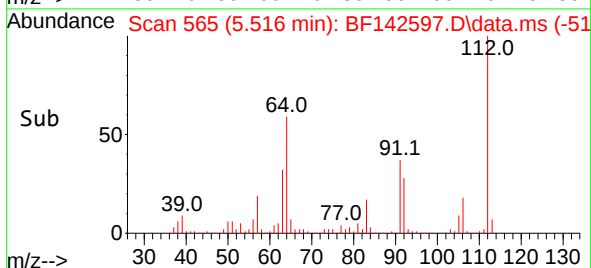
Tgt Ion:152 Resp: 120089
Ion Ratio Lower Upper
152 100
150 158.0 128.2 192.4
115 57.2 48.3 72.5

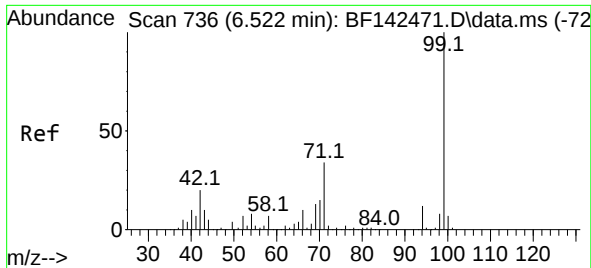


#5
2-Fluorophenol
Concen: 56.251 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05



Tgt Ion:112 Resp: 400957
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 31.7 24.9 37.3

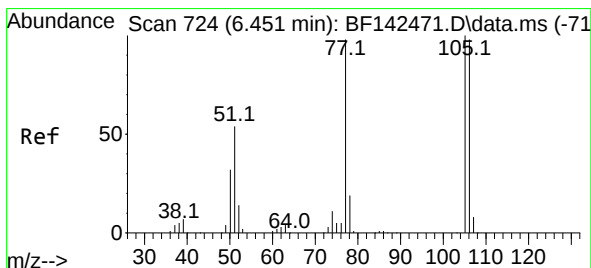
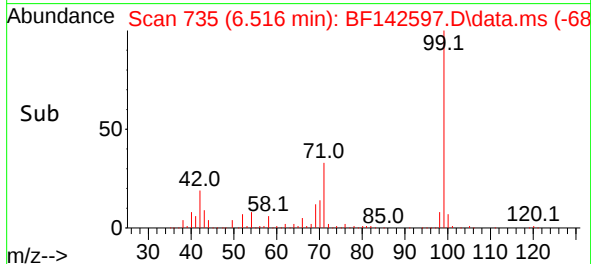
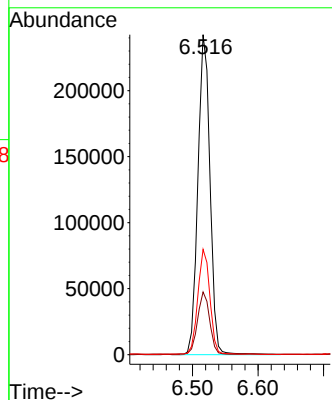
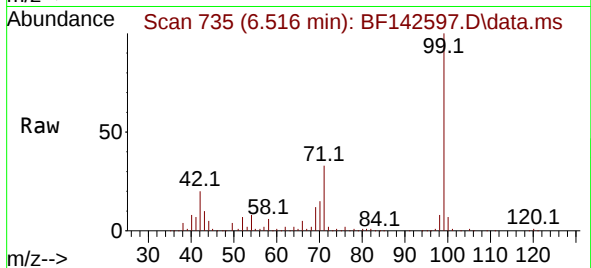




#7
Phenol-d6
Concen: 36.301 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

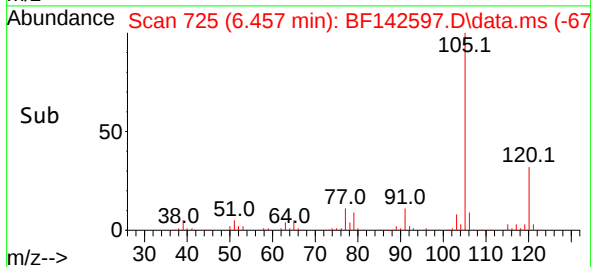
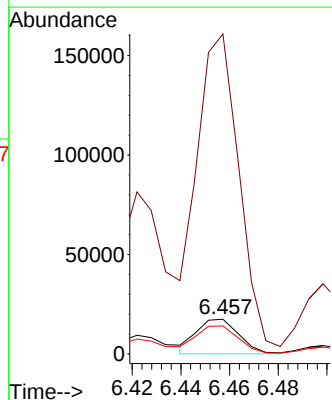
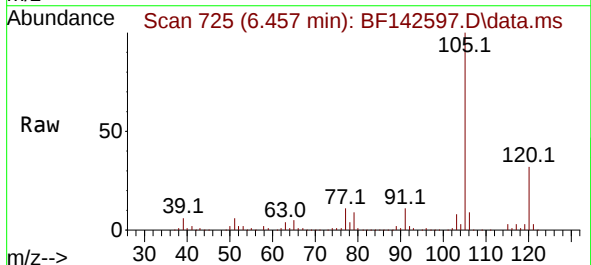
Instrument :
BNA_F
ClientSampleId :

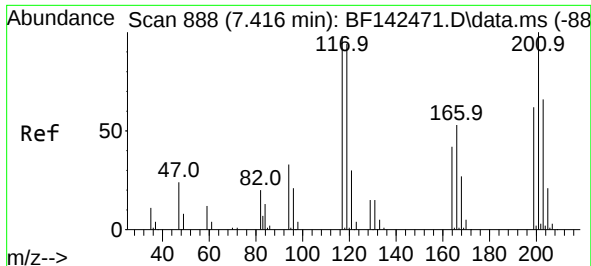
Tgt Ion: 99 Resp: 311476
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 32.9 27.3 40.9



#9
Benzaldehyde
Concen: 4.077 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

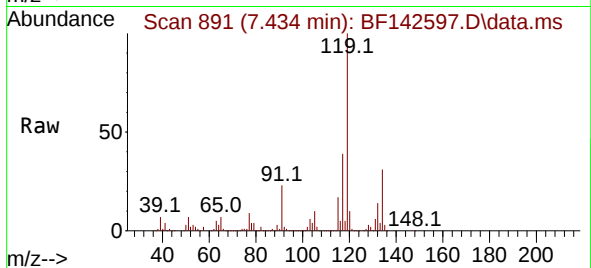
Tgt Ion: 77 Resp: 21040
Ion Ratio Lower Upper
77 100
105 920.9 82.5 122.5#
106 80.5 80.0 120.0



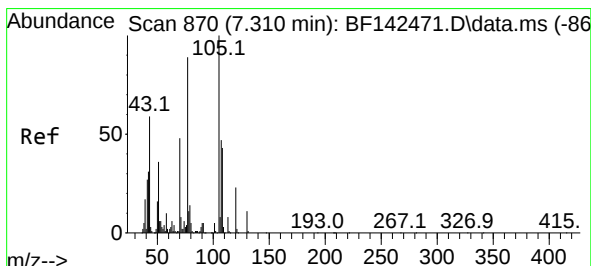
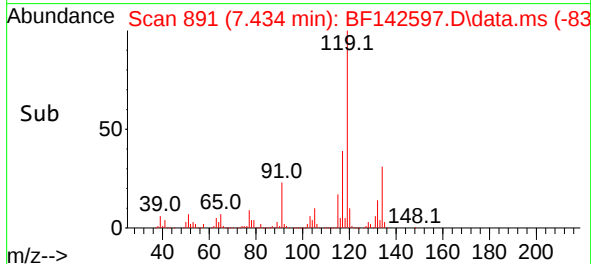
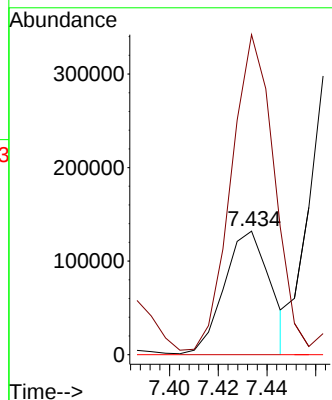


#18
Hexachloroethane
Concen: 56.623 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.018 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :

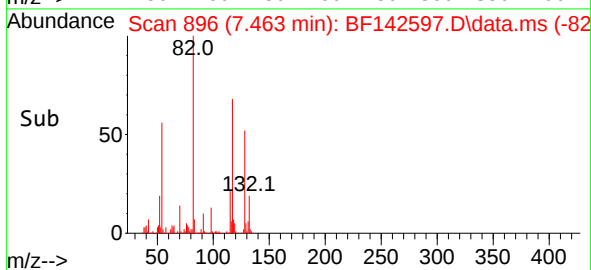
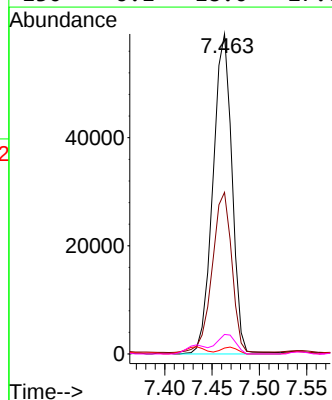
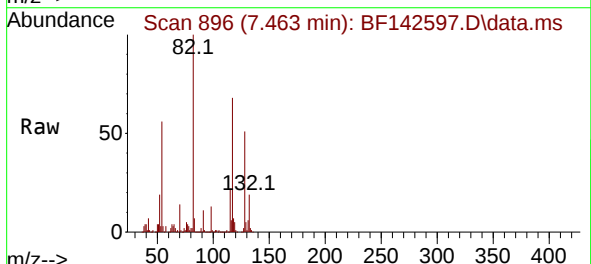


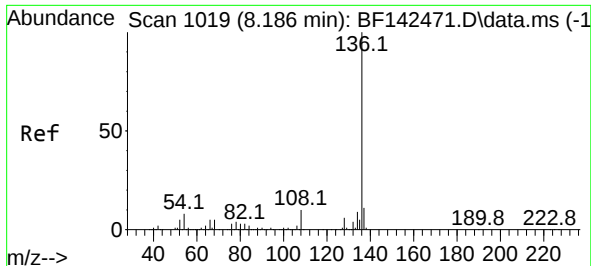
Tgt Ion:117 Resp: 172544
Ion Ratio Lower Upper
117 100
119 259.0 76.6 114.8#
201 0.0 81.3 121.9#



#19
n-Nitroso-di-n-propylamine
Concen: 15.563 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion: 70 Resp: 82759
Ion Ratio Lower Upper
70 100
42 50.5 52.4 78.6#
101 1.8 7.8 11.8#
130 6.1 18.0 27.0#

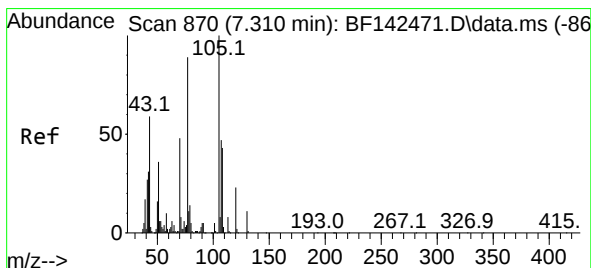
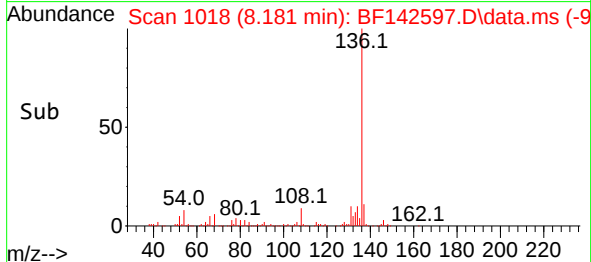
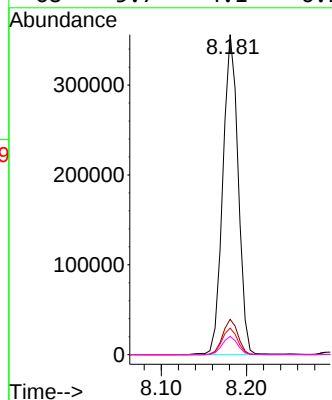
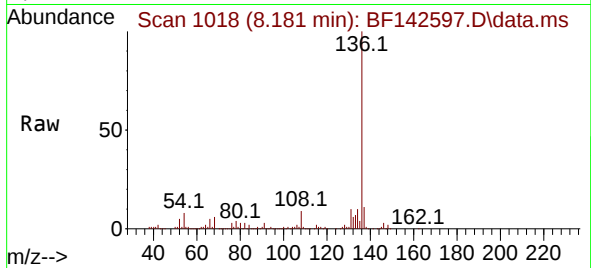




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

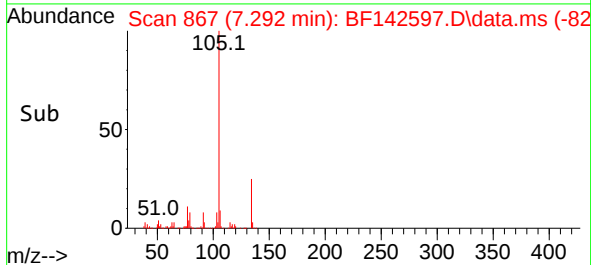
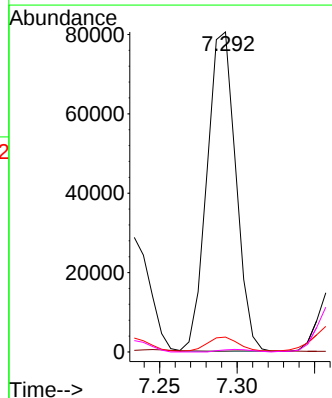
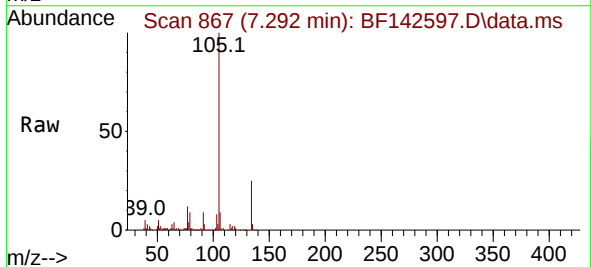
Instrument :
BNA_F
ClientSampleId :

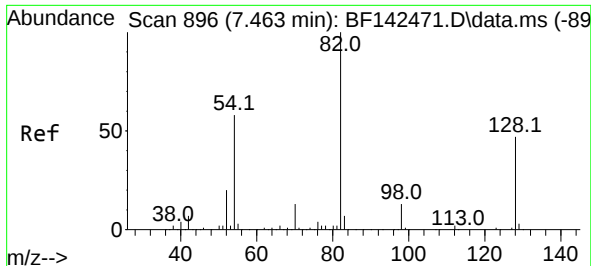
Tgt Ion:136 Resp: 445960
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.3 6.6 10.0
68 5.7 4.1 6.1



#22
Acetophenone
Concen: 10.531 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:105 Resp: 103967
Ion Ratio Lower Upper
105 100
71 0.3 6.4 9.6#
51 4.7 28.6 42.8#
120 0.7 18.5 27.7#





#23

Nitrobenzene-d5

Concen: 74.369 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Instrument :

BNA_F

ClientSampleId :

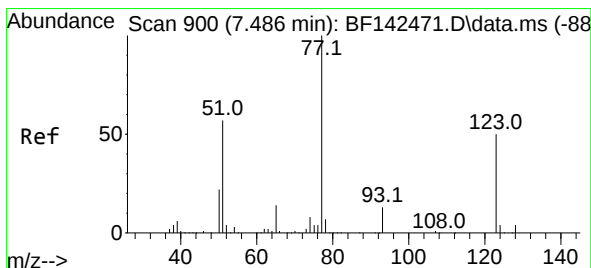
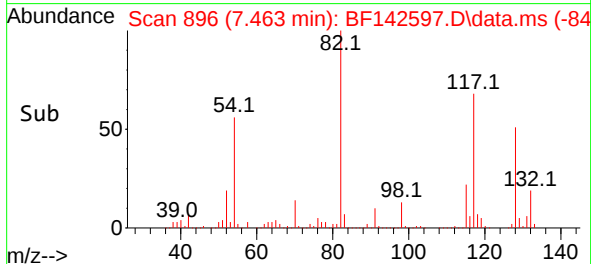
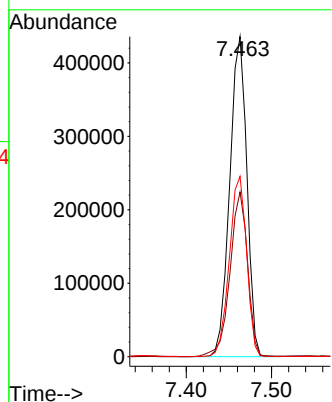
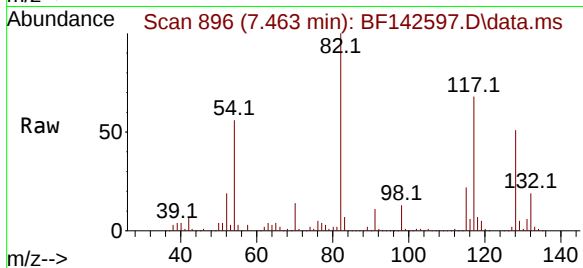
Tgt Ion: 82 Resp: 608220

Ion Ratio Lower Upper

82 100

128 51.5 37.4 56.2

54 56.4 46.6 70.0



#24

Nitrobenzene

Concen: 3.245 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.023 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

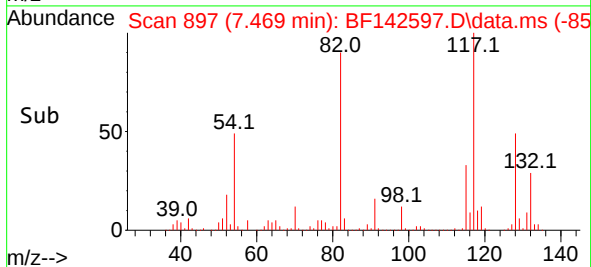
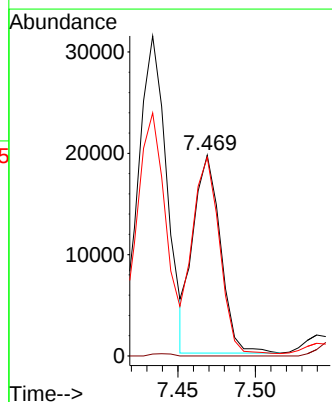
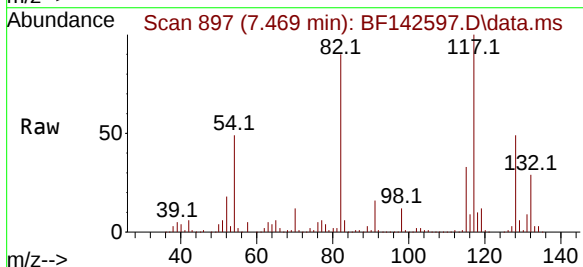
Tgt Ion: 77 Resp: 23934

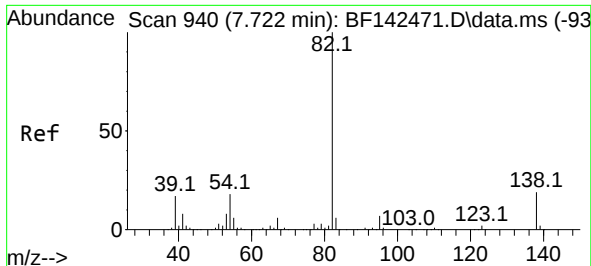
Ion Ratio Lower Upper

77 100

123 0.0 40.6 61.0#

65 98.8 11.4 17.2#

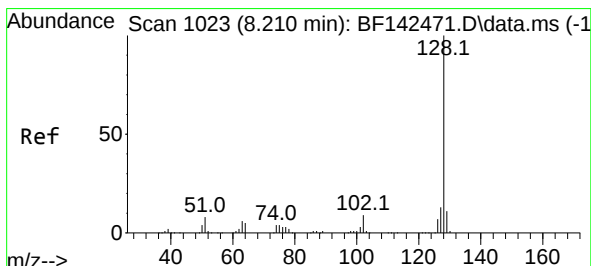
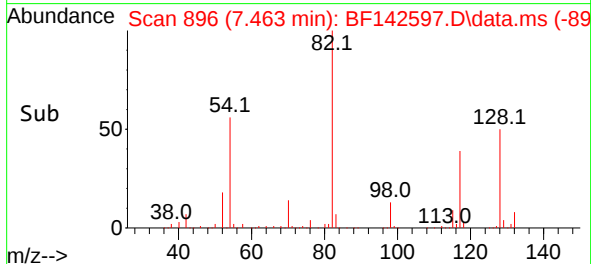
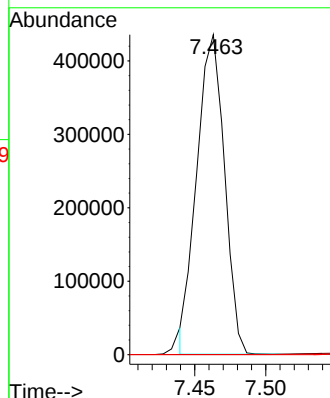
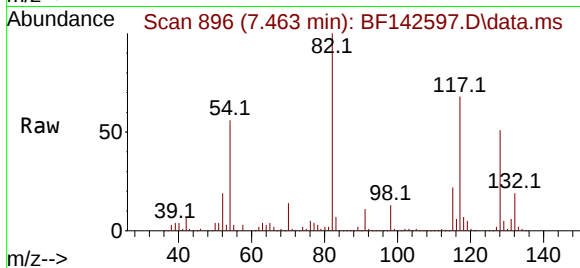




#25
Isophorone
Concen: 43.064 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

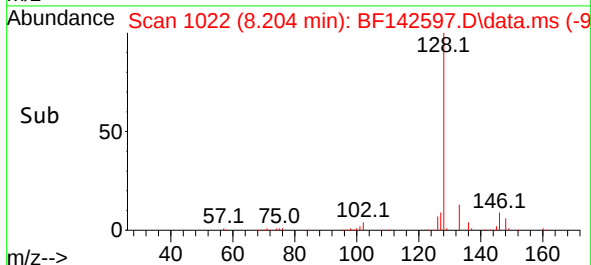
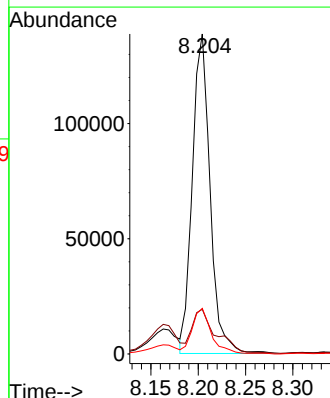
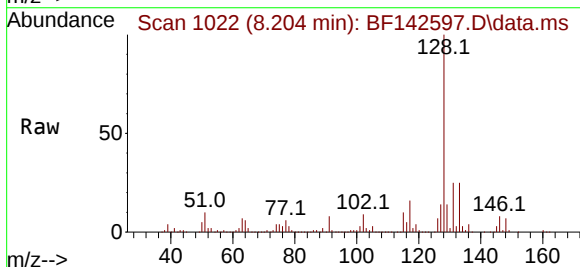
Instrument :
BNA_F
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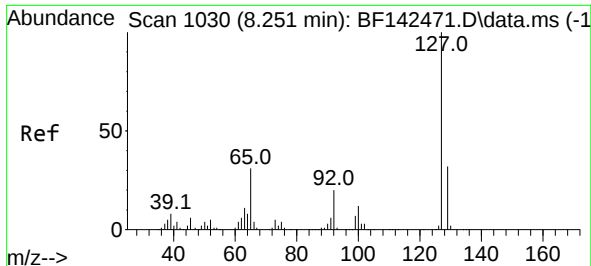
Tgt Ion: 82 Resp: 588847
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#31
Naphthalene
Concen: 8.235 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

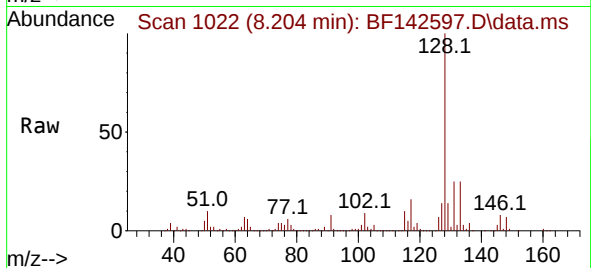
Tgt Ion: 128 Resp: 180829
Ion Ratio Lower Upper
128 100
129 14.0 8.9 13.3#
127 14.2 10.5 15.7



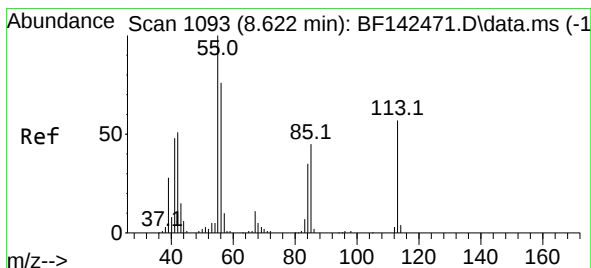
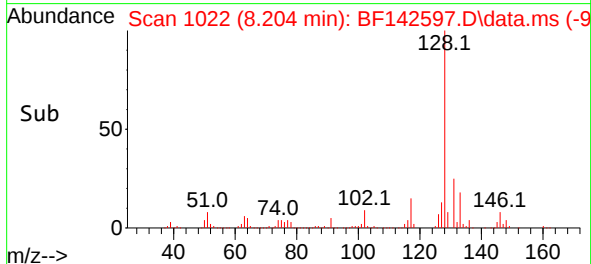
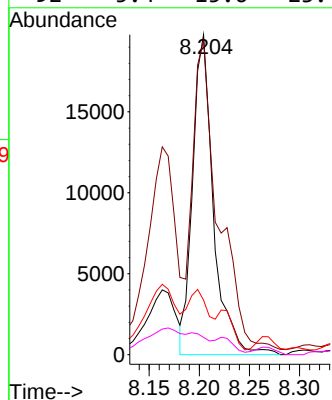


#33
4-Chloroaniline
Concen: 3.200 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.053 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :

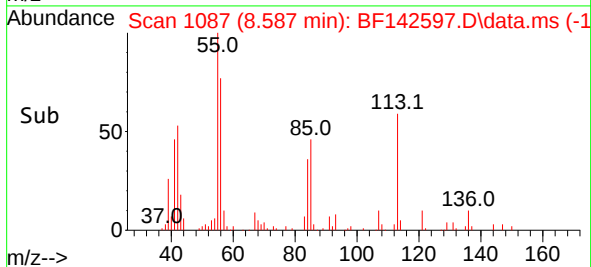
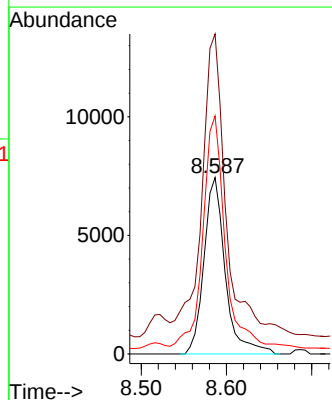
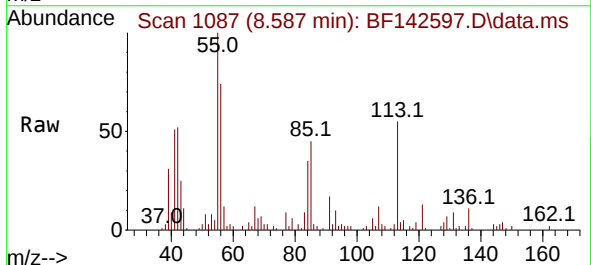


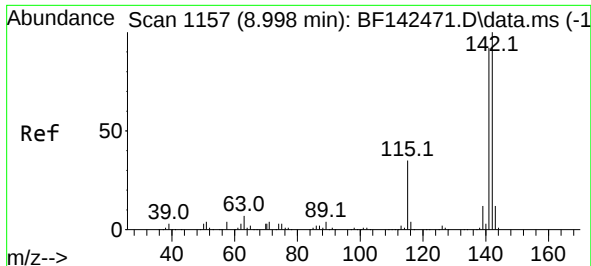
Tgt Ion:	127	Resp:	28477
Ion	Ratio	Lower	Upper
127	100		
129	98.1	26.1	39.1#
65	17.0	24.9	37.3#
92	5.4	15.6	23.4#



#35
Caprolactam
Concen: 7.266 ng
RT: 8.587 min Scan# 1087
Delta R.T. -0.059 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:	113	Resp:	12899
Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.7	194.7
56	134.9	113.2	153.2

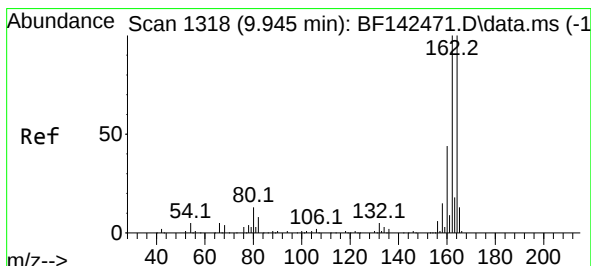
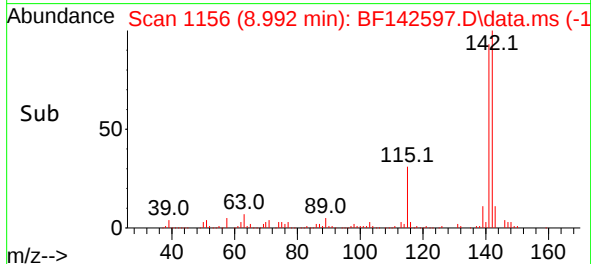
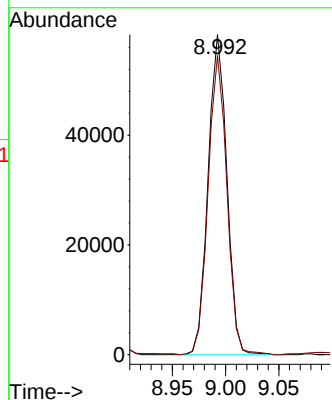
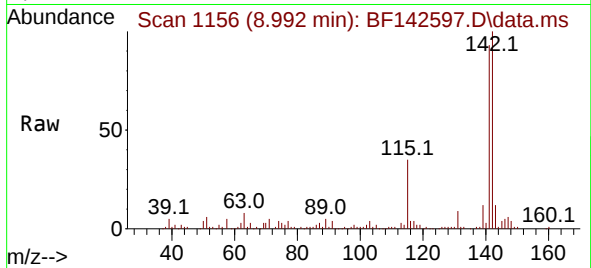




#38
1-Methylnaphthalene
Concen: 4.992 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

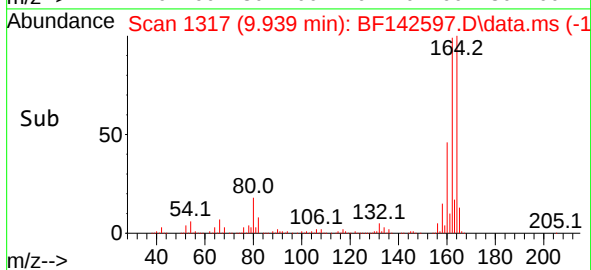
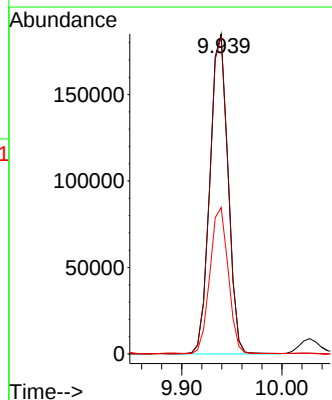
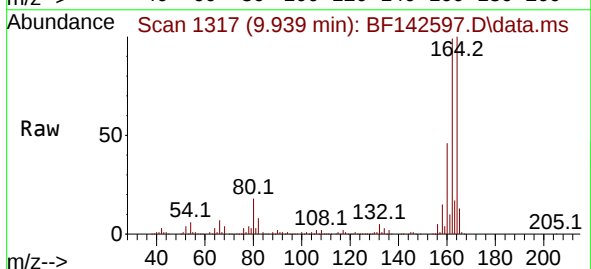
Instrument :
BNA_F
ClientSampleId :

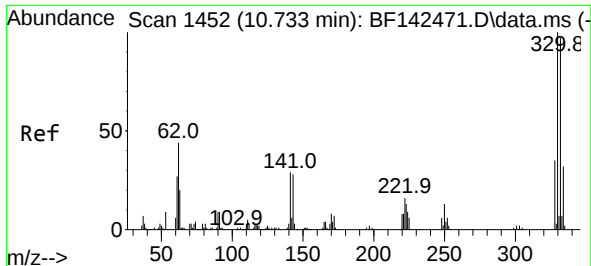
Tgt Ion:142 Resp: 71333
Ion Ratio Lower Upper
142 100
141 93.5 73.4 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:164 Resp: 232989
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.4
160 45.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 113.557 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

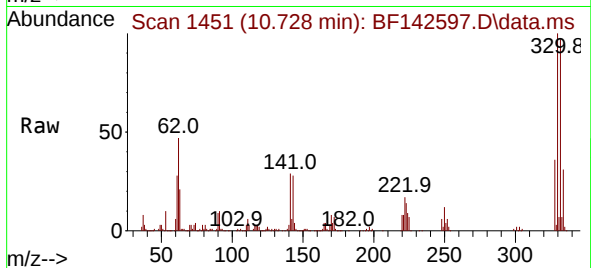
Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Instrument :

BNA_F

ClientSampleId :



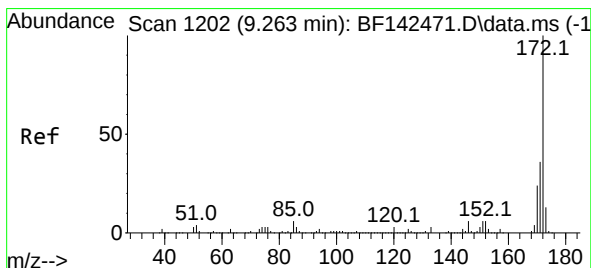
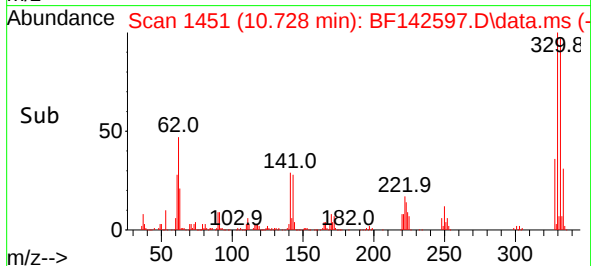
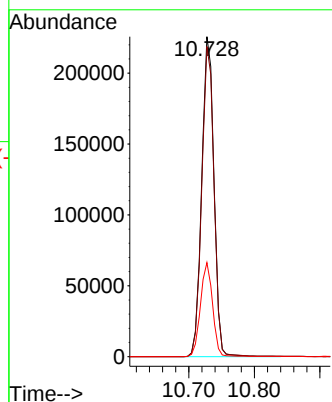
Tgt Ion:330 Resp: 293646

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

141 29.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 72.722 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

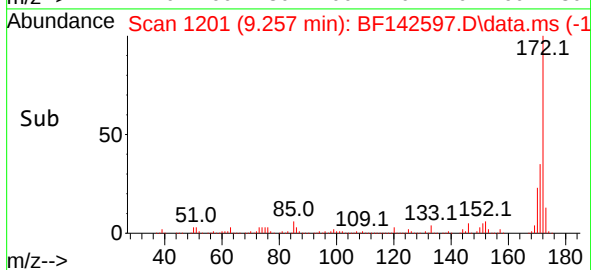
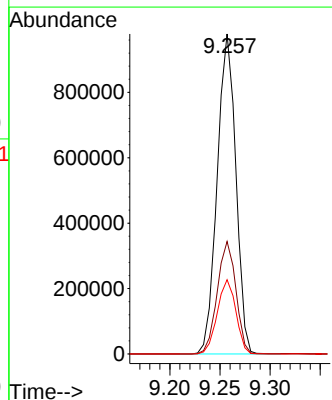
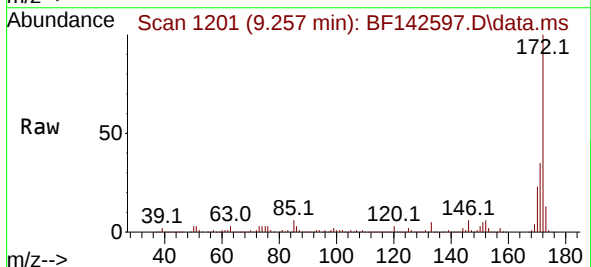
Tgt Ion:172 Resp: 1262677

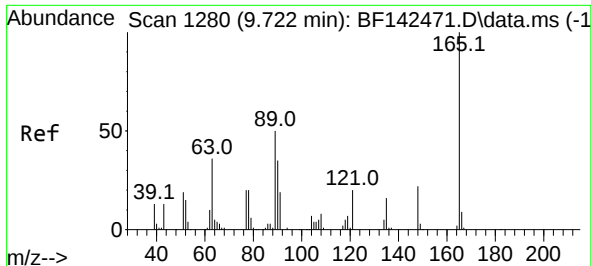
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.972 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Instrument :

BNA_F

ClientSampleId :

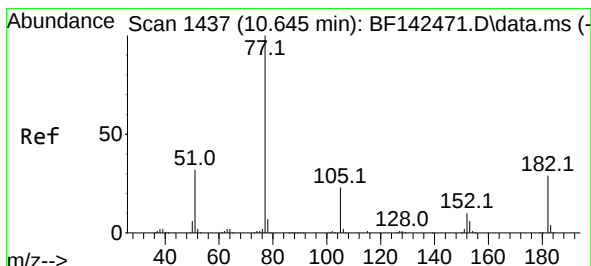
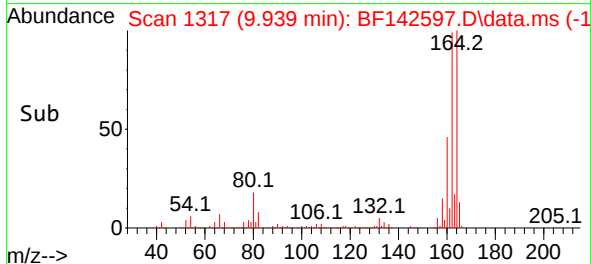
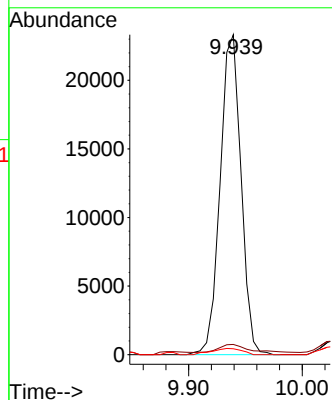
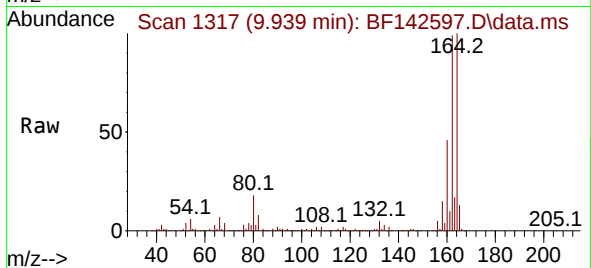
Tgt Ion:165 Resp: 29770

Ion Ratio Lower Upper

165 100

63 3.2 42.9 64.3#

89 1.9 40.2 60.4#



#63

Azobenzene

Concen: 4.156 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Tgt Ion: 77 Resp: 56048

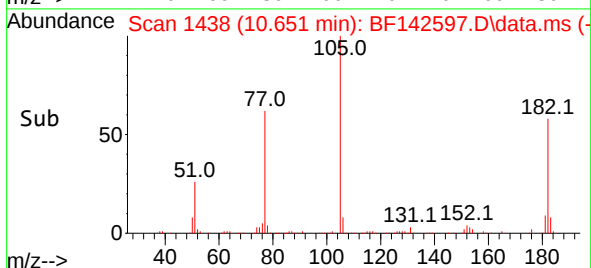
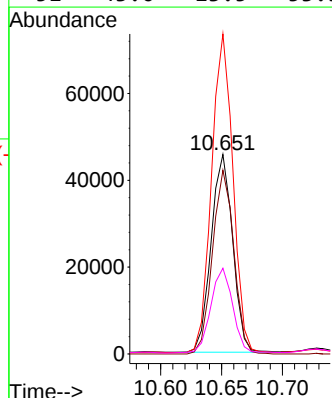
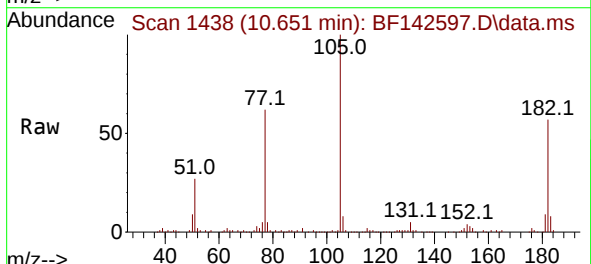
Ion Ratio Lower Upper

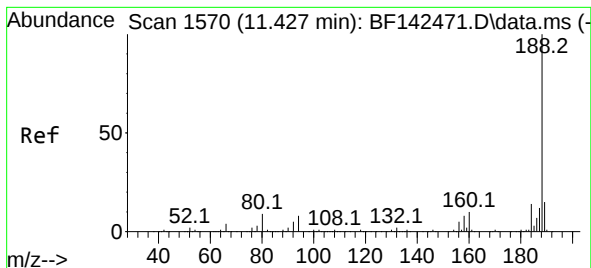
77 100

182 92.0 9.0 49.0#

105 160.4 2.4 42.4#

51 43.0 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Instrument :

BNA_F

ClientSampleId :

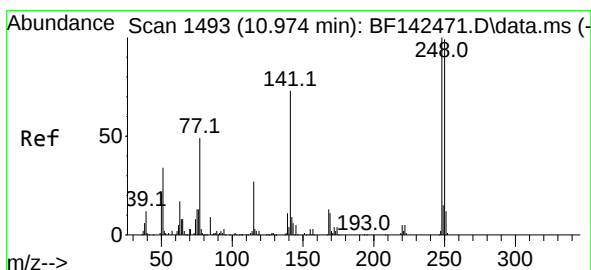
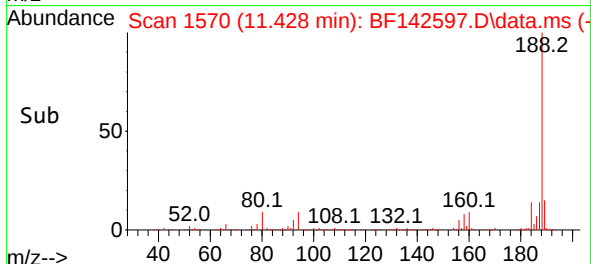
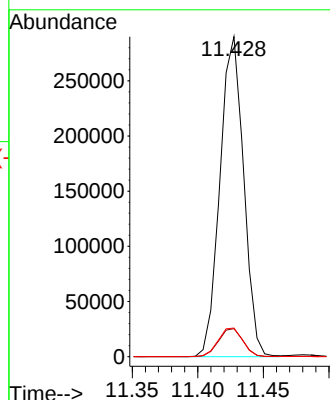
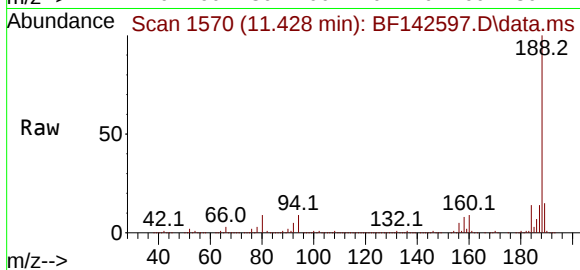
Tgt Ion:188 Resp: 364457

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 8.9 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.266 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

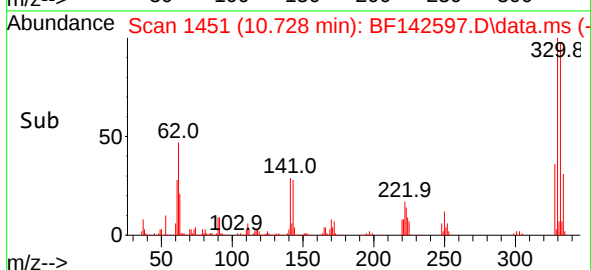
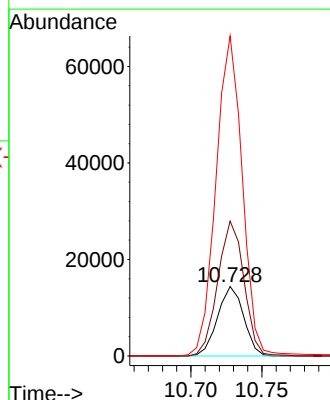
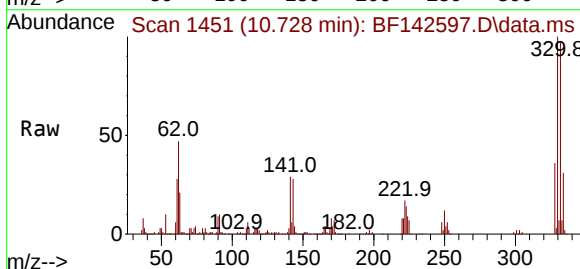
Tgt Ion:248 Resp: 18382

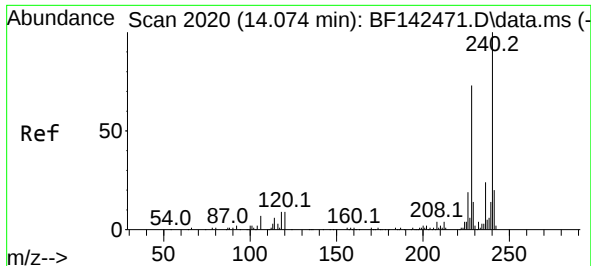
Ion Ratio Lower Upper

248 100

250 194.1 79.0 118.4#

141 460.4 58.4 87.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

Instrument :

BNA_F

ClientSampleId :

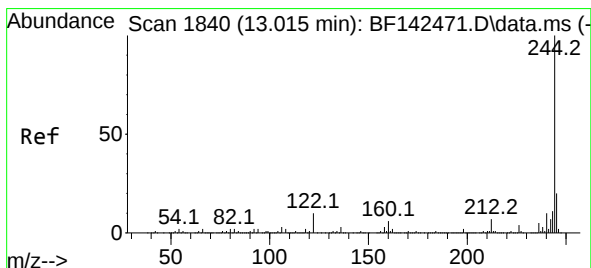
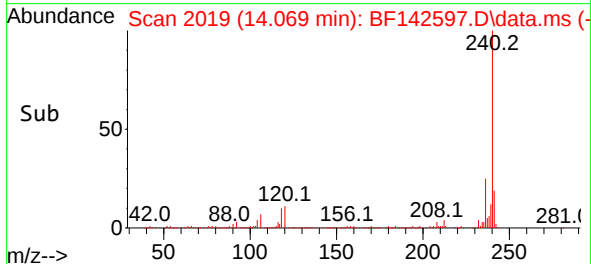
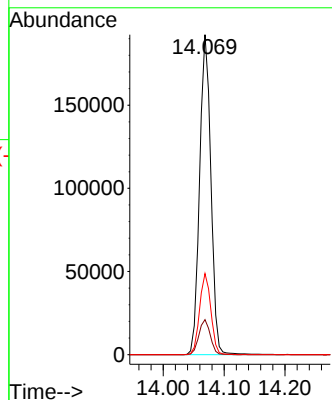
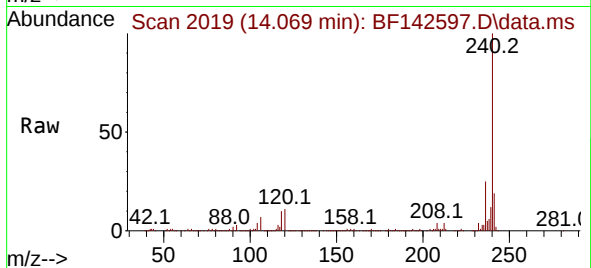
Tgt Ion:240 Resp: 246692

Ion Ratio Lower Upper

240 100

120 11.0 7.5 11.3

236 25.3 19.6 29.4



#79

Terphenyl-d14

Concen: 58.733 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF142597.D

Acq: 02 Jun 2025 15:05

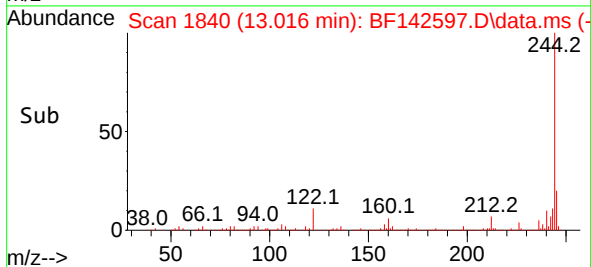
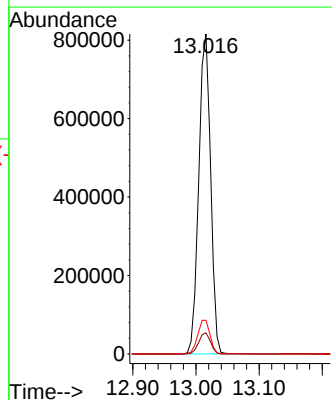
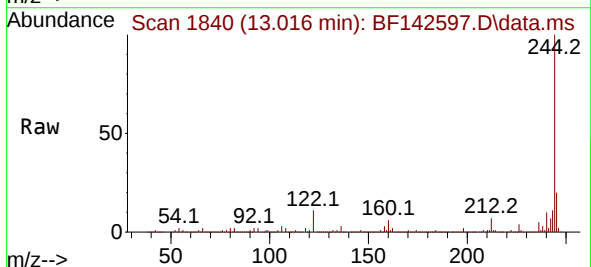
Tgt Ion:244 Resp: 1060270

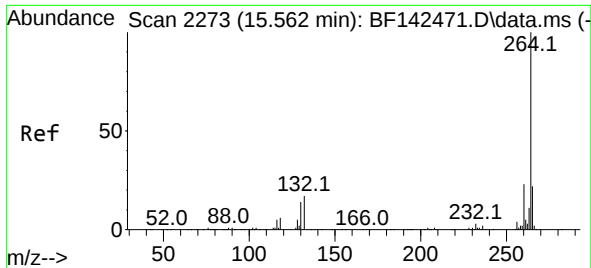
Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

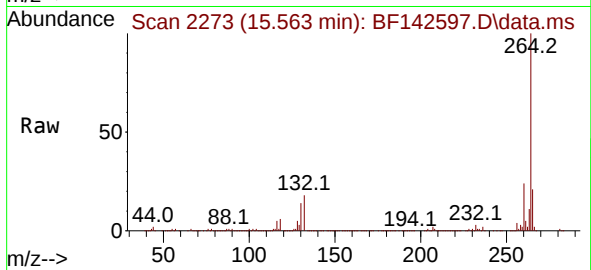
122 10.6 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 270947
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.5 17.7 26.5

