

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143499.D
 Acq On : 20 Aug 2025 22:34
 Operator : RC/JU
 Sample : PB169313BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

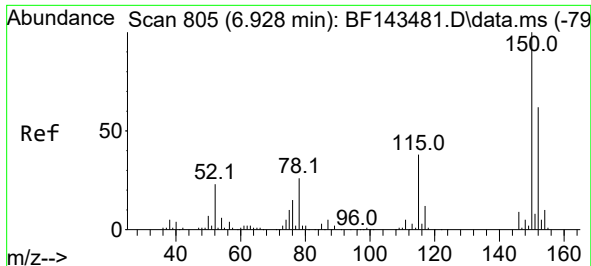
Instrument :
 BNA_F
 ClientSampleId :
 PB169313BL

Quant Time: Aug 21 02:07:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

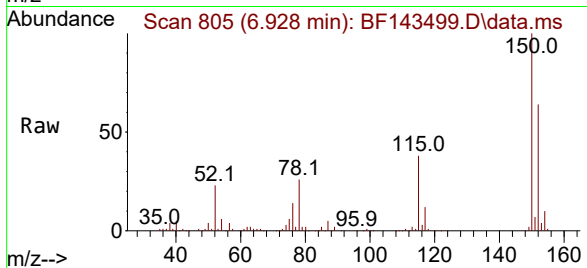
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	129120	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	502778	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	274867	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	442472	20.000	ng	0.00
76) Chrysene-d12	14.098	240	240607	20.000	ng	0.00
86) Perylene-d12	15.592	264	242779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	886459	119.881	ng	0.00
7) Phenol-d6	6.557	99	1102348	120.764	ng	-0.02
23) Nitrobenzene-d5	7.481	82	739828	85.868	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	309366	120.912	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1387713	83.438	ng	0.00
79) Terphenyl-d14	13.039	244	1295623	93.967	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	101067	18.115	ng	# 80
25) Isophorone	7.481	82	706620	44.741	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	35833	10.444	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	35833	7.822	ng	# 26
67) 4-Bromophenyl-phenylether	10.751	248	20360	3.857	ng	# 1
77) Benzidine	13.033	184	15550	2.653	ng	# 94

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

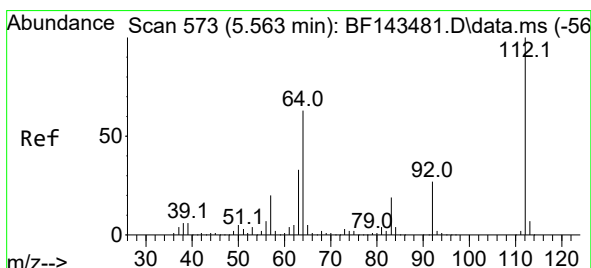
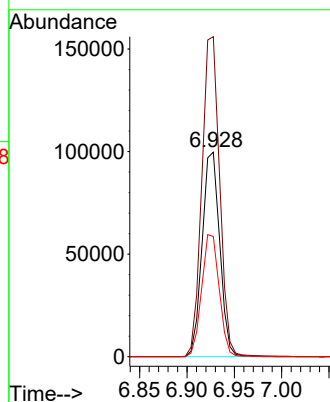
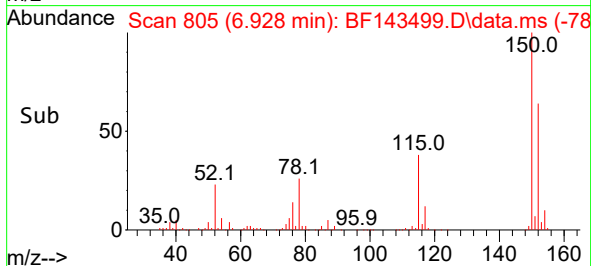


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

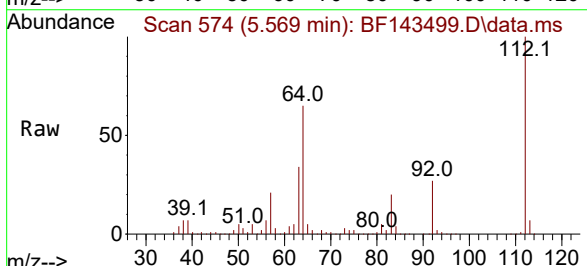
Instrument :
BNA_F
ClientSampleId :
PB169313BL



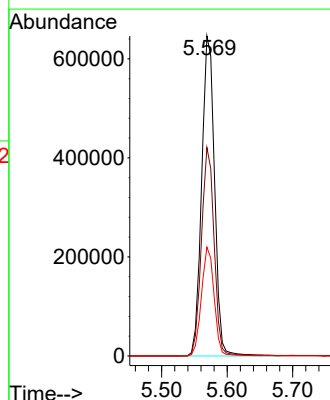
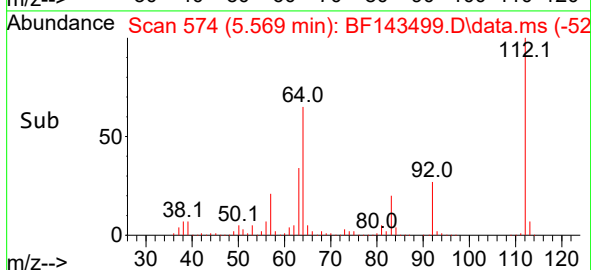
Tgt Ion:152 Resp: 129120
Ion Ratio Lower Upper
152 100
150 156.5 128.9 193.3
115 58.8 49.2 73.8

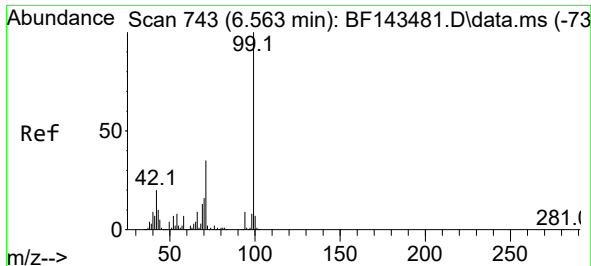


#5
2-Fluorophenol
Concen: 119.881 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34



Tgt Ion:112 Resp: 886459
Ion Ratio Lower Upper
112 100
64 65.2 50.4 75.6
63 34.0 26.4 39.6

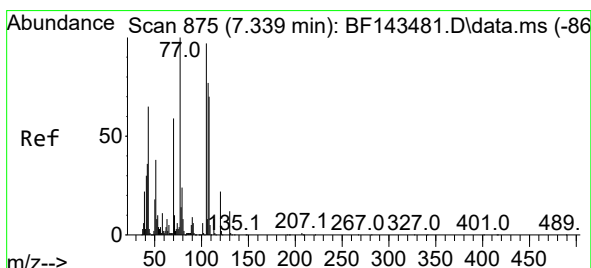
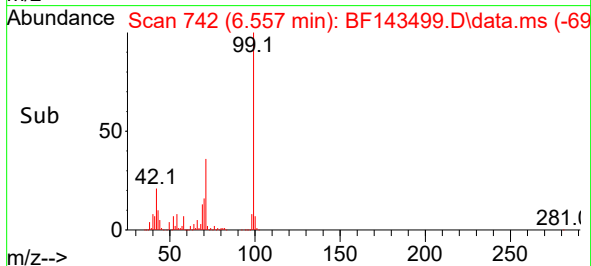
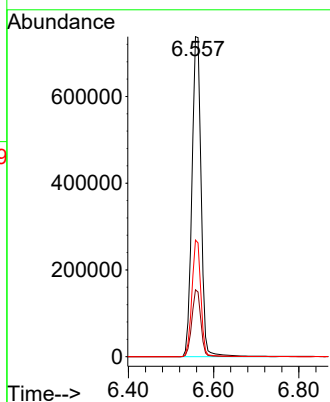
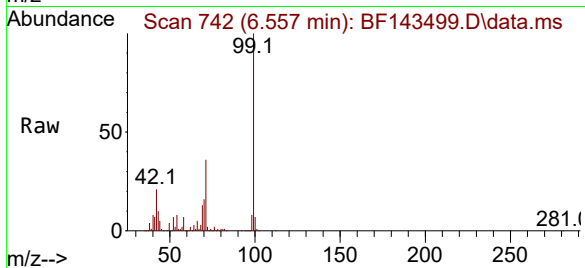




#7
Phenol-d6
Concen: 120.764 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

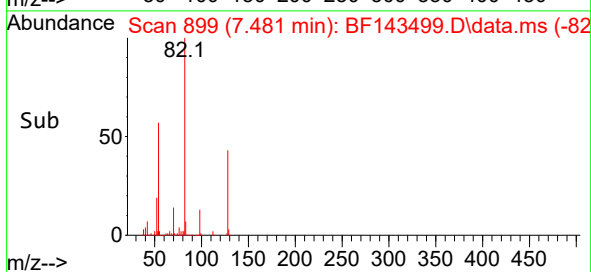
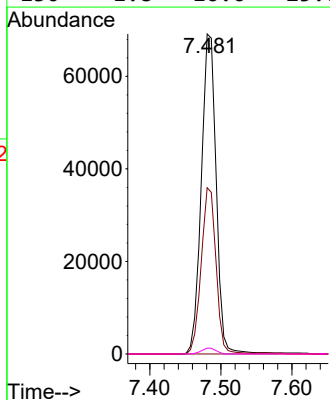
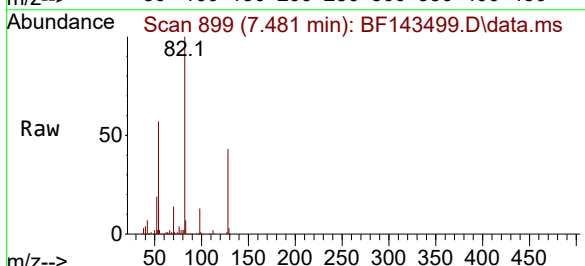
Instrument :
BNA_F
ClientSampleId :
PB169313BL

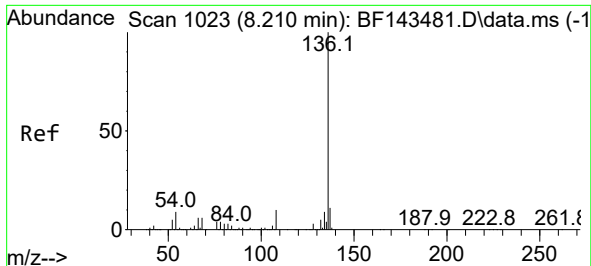
Tgt Ion: 99 Resp: 1102348
Ion Ratio Lower Upper
99 100
42 20.9 16.3 24.5
71 36.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.115 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

Tgt Ion: 70 Resp: 101067
Ion Ratio Lower Upper
70 100
42 52.0 49.3 73.9
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#



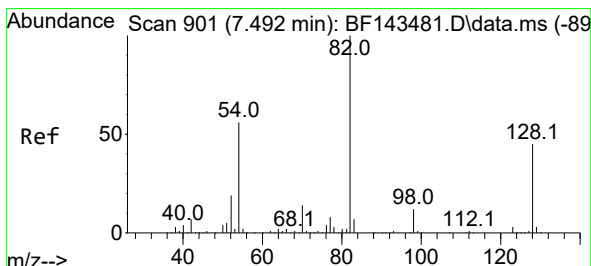
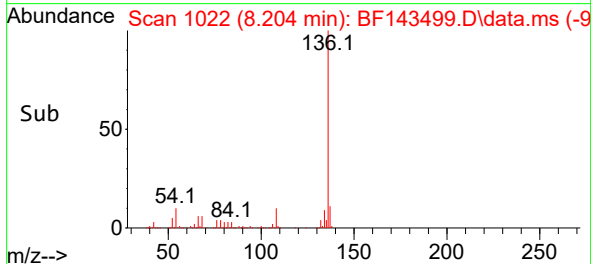
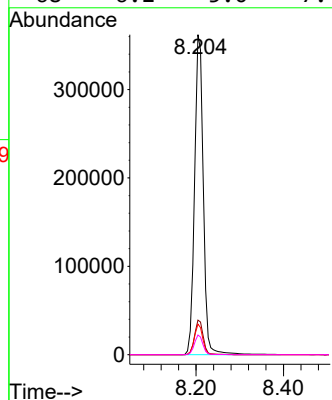
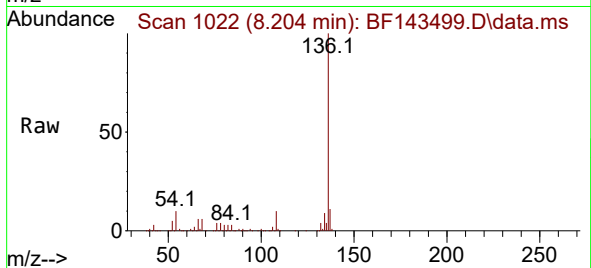


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

Instrument :
BNA_F
ClientSampleId :
PB169313BL

Tgt Ion:136 Resp: 502778

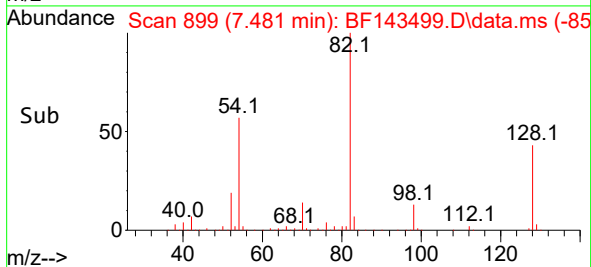
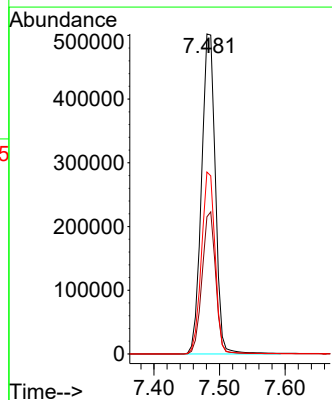
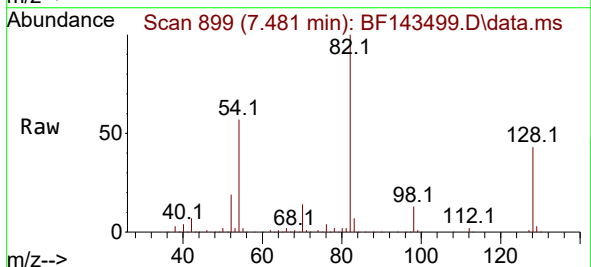
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.6	7.4	11.2
68	6.2	5.0	7.4

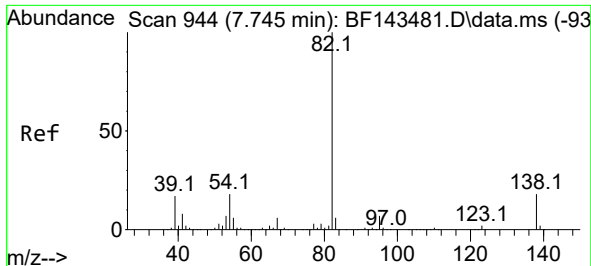


#23
Nitrobenzene-d5
Concen: 85.868 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

Tgt Ion: 82 Resp: 739828

Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.5	53.3
54	56.9	44.3	66.5

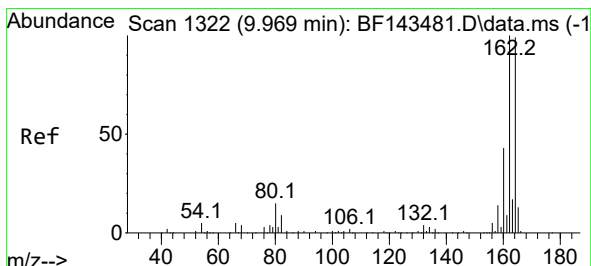
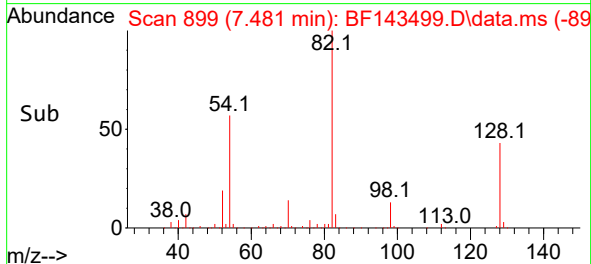
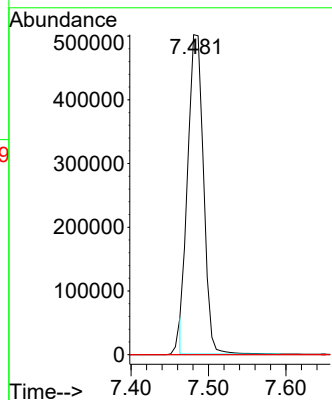
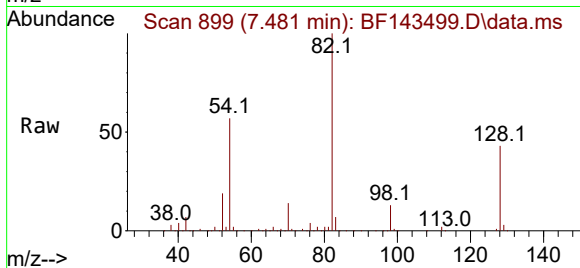




#25
Isophorone
Concen: 44.741 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

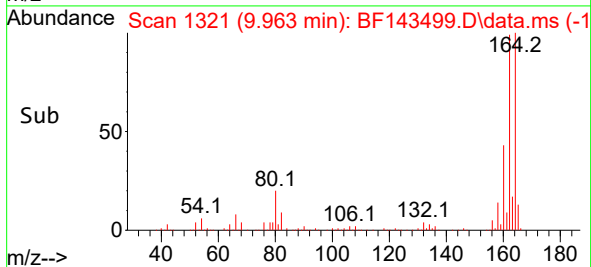
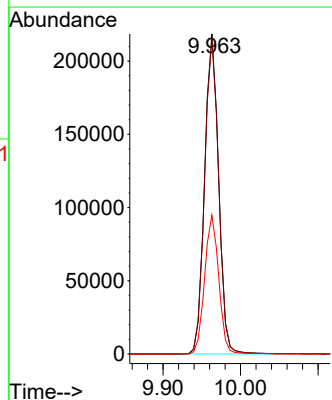
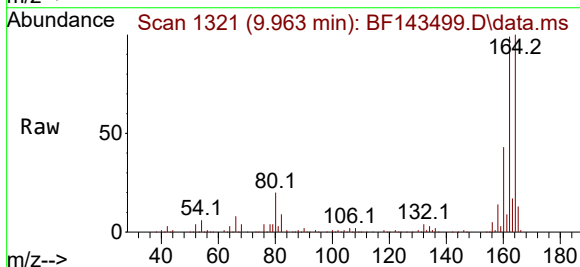
Instrument :
BNA_F
ClientSampleId :
PB169313BL

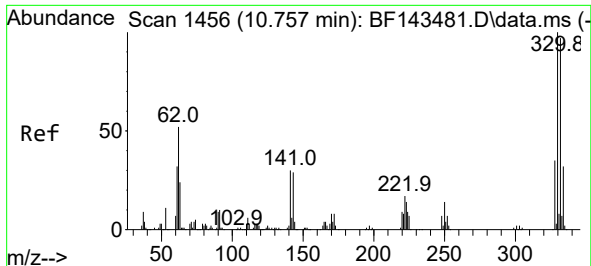
Tgt Ion: 82 Resp: 706620
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

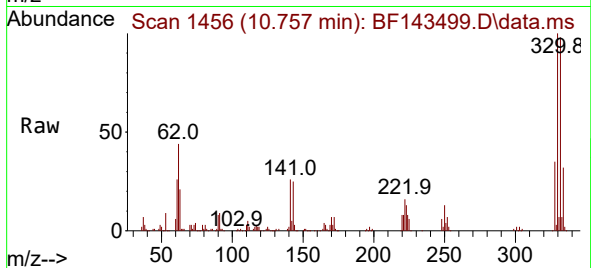
Tgt Ion:164 Resp: 274867
Ion Ratio Lower Upper
164 100
162 98.5 80.5 120.7
160 43.4 34.3 51.5



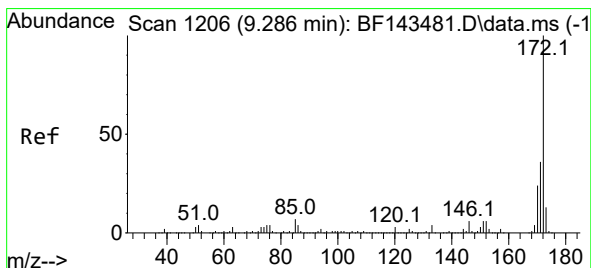
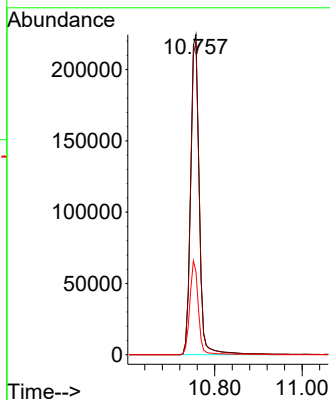
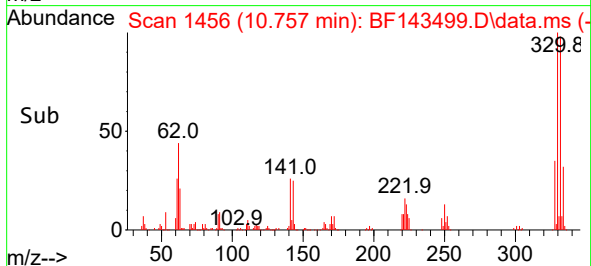


#42
2,4,6-Tribromophenol
Concen: 120.912 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

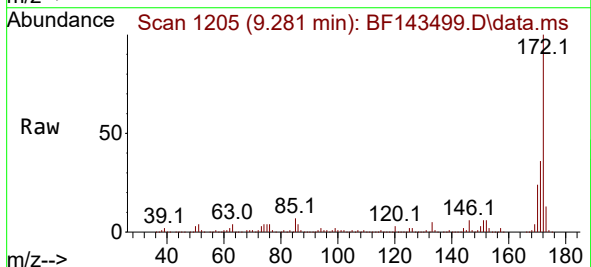
Instrument :
BNA_F
ClientSampleId :
PB169313BL



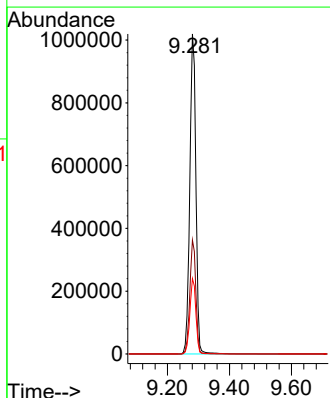
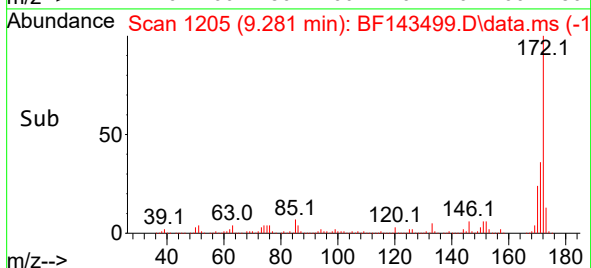
Tgt Ion:330 Resp: 309366
Ion Ratio Lower Upper
330 100
332 97.9 78.0 117.0
141 28.6 23.7 35.5

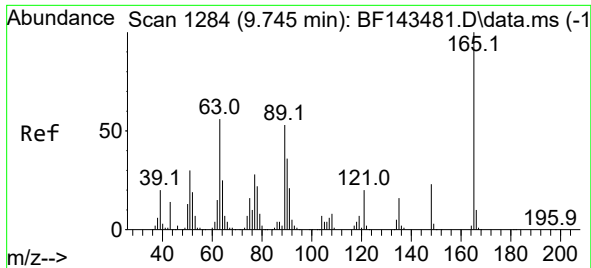


#45
2-Fluorobiphenyl
Concen: 83.438 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34



Tgt Ion:172 Resp: 1387713
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.6 18.8 28.2

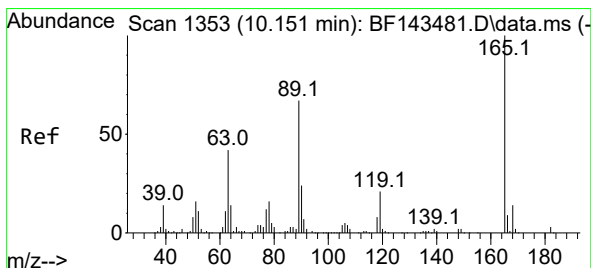
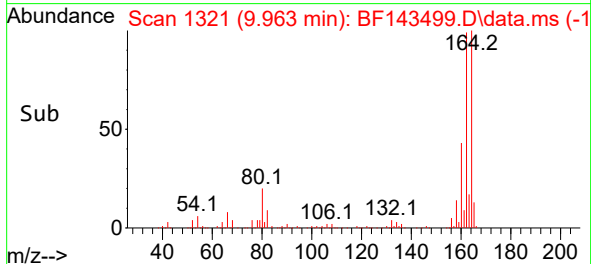
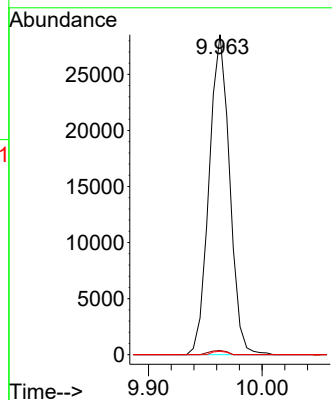
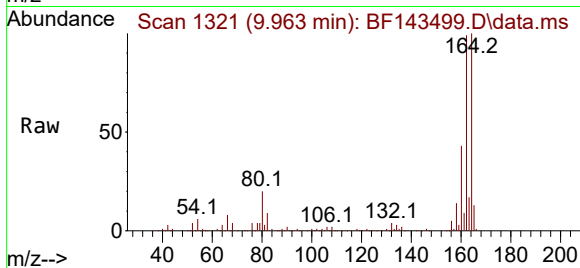




#51
2,6-Dinitrotoluene
Concen: 10.444 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

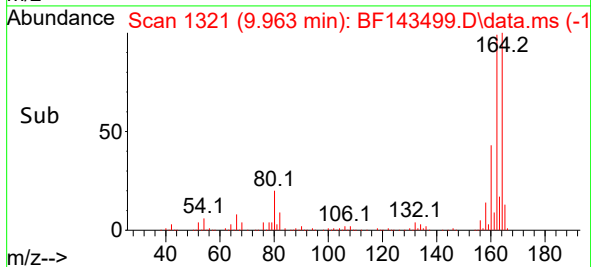
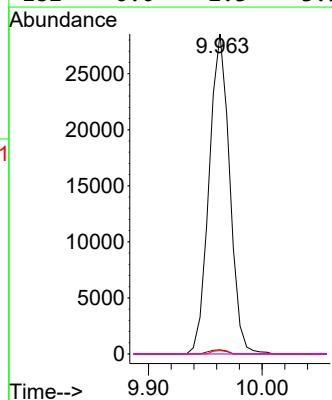
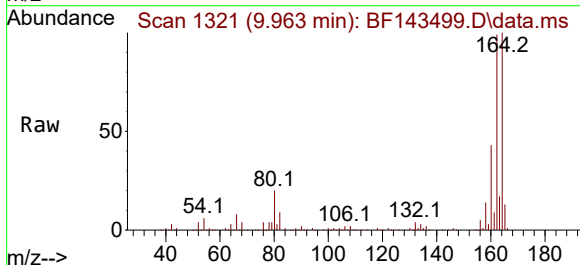
Instrument :
BNA_F
ClientSampleId :
PB169313BL

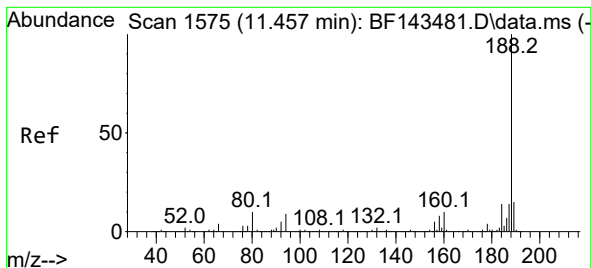
Tgt Ion:165 Resp: 35833
Ion Ratio Lower Upper
165 100
63 1.3 45.0 67.6#
89 1.0 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.822 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143499.D
Acq: 20 Aug 2025 22:34

Tgt Ion:165 Resp: 35833
Ion Ratio Lower Upper
165 100
63 1.3 34.9 52.3#
89 1.0 53.3 79.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143499.D

Acq: 20 Aug 2025 22:34

Instrument :

BNA_F

ClientSampleId :

PB169313BL

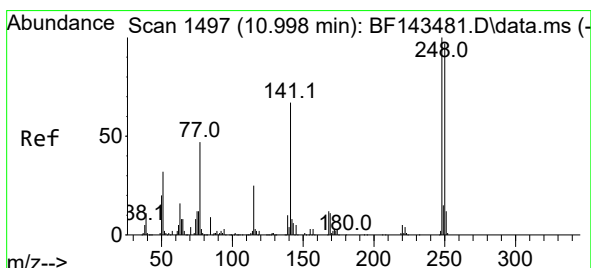
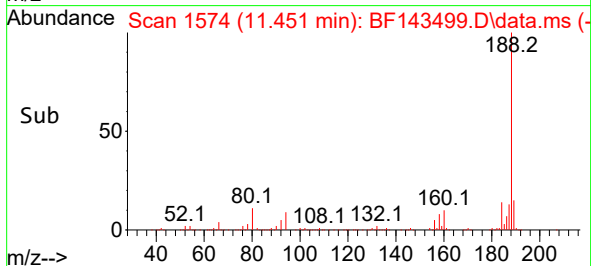
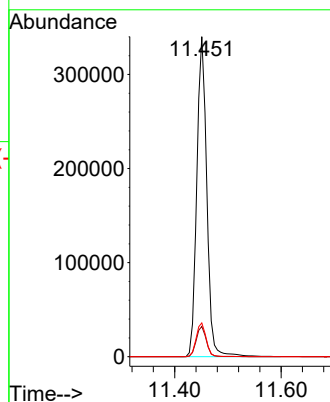
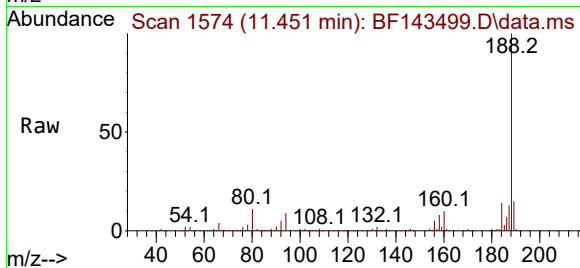
Tgt Ion:188 Resp: 442472

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 10.6 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 3.857 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.247 min

Lab File: BF143499.D

Acq: 20 Aug 2025 22:34

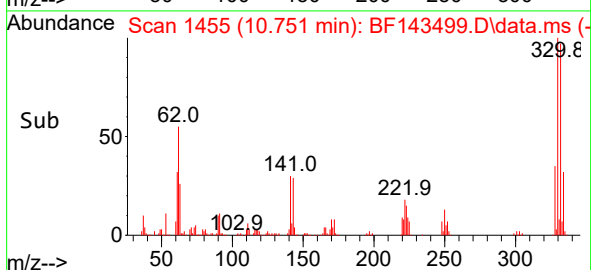
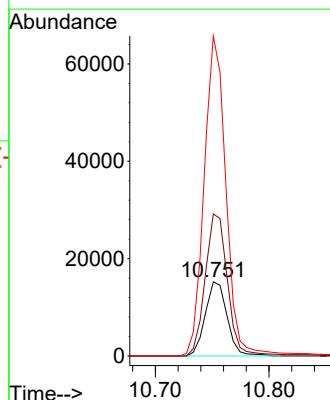
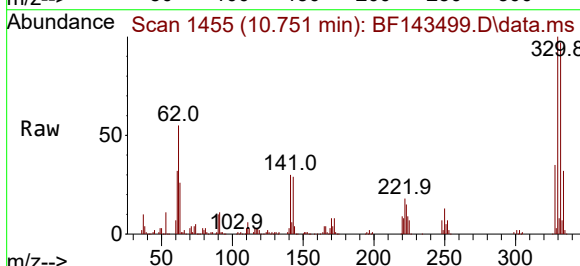
Tgt Ion:248 Resp: 20360

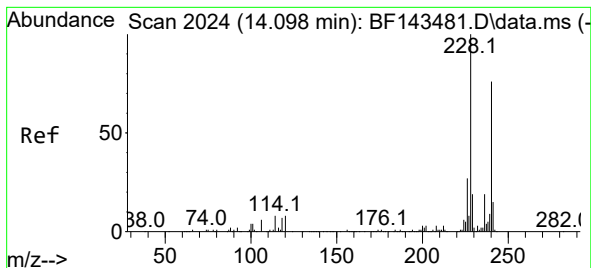
Ion Ratio Lower Upper

248 100

250 191.8 77.8 116.8#

141 431.8 54.0 81.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143499.D

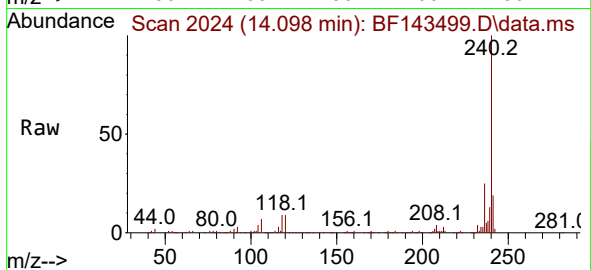
Acq: 20 Aug 2025 22:34

Instrument :

BNA_F

ClientSampleId :

PB169313BL



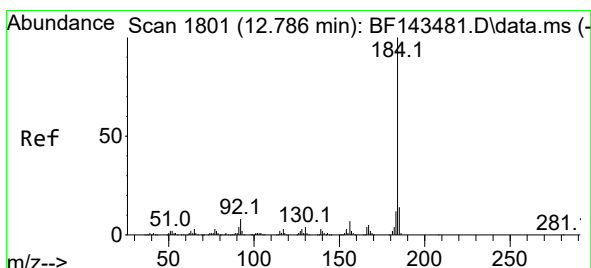
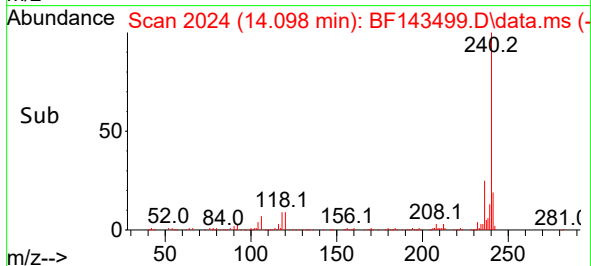
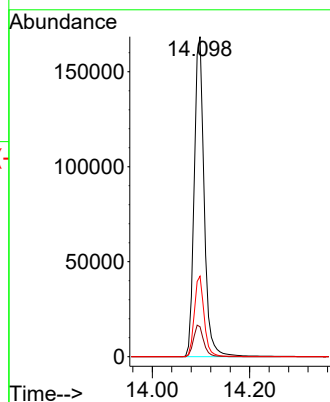
Tgt Ion:240 Resp: 240607

Ion Ratio Lower Upper

240 100

120 9.3 8.6 12.8

236 25.2 20.4 30.6



#77

Benidine

Concen: 2.653 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143499.D

Acq: 20 Aug 2025 22:34

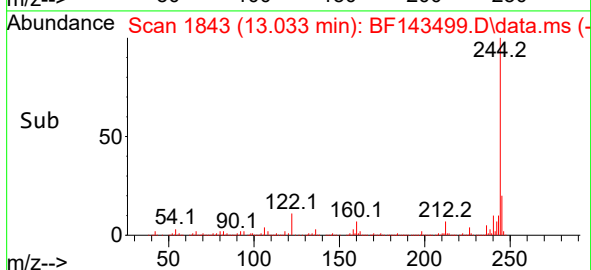
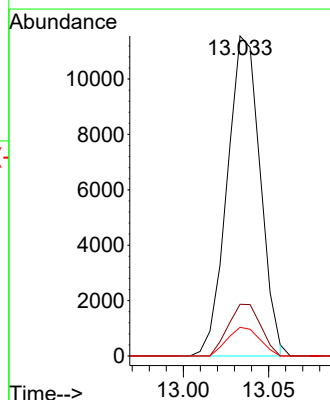
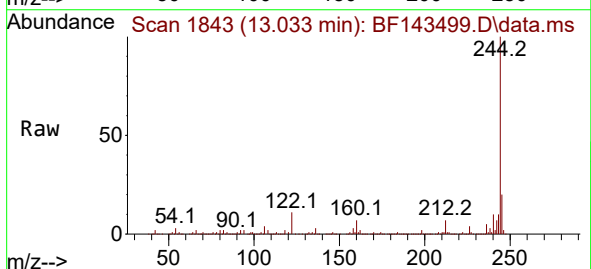
Tgt Ion:184 Resp: 15550

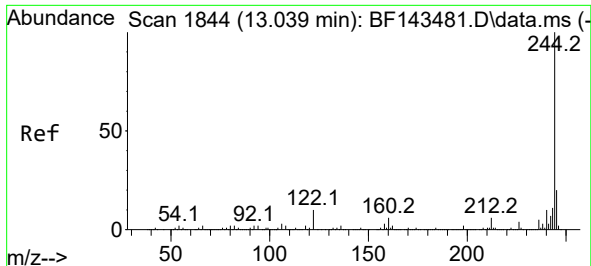
Ion Ratio Lower Upper

184 100

185 16.2 11.3 16.9

183 8.9 9.5 14.3#

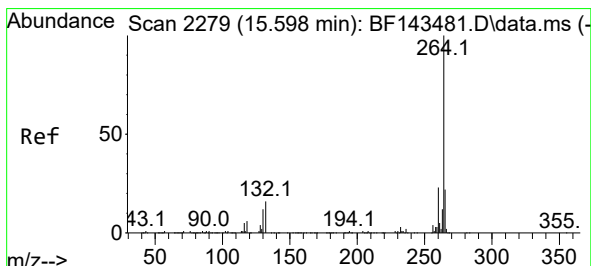
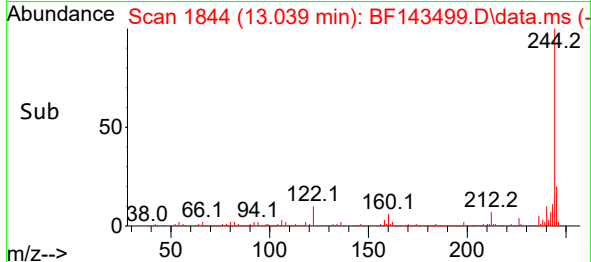
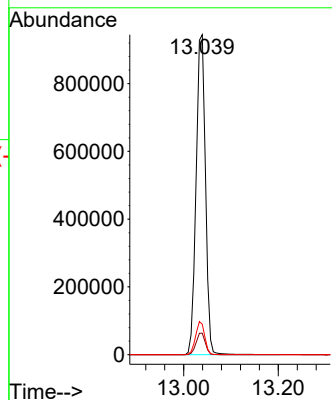
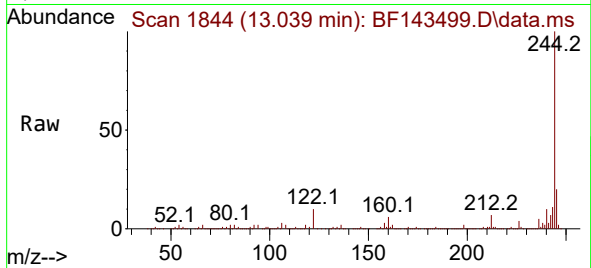




#79
 Terphenyl-d14
 Concen: 93.967 ng
 RT: 13.039 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143499.D
 Acq: 20 Aug 2025 22:34

Instrument :
 BNA_F
 ClientSampleId :
 PB169313BL

Tgt Ion:244 Resp: 1295623
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 9.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143499.D
 Acq: 20 Aug 2025 22:34

Tgt Ion:264 Resp: 242779
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.7 17.6 26.4

