

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143647.D
 Acq On : 04 Sep 2025 16:41
 Operator : RC/JU
 Sample : PB169499BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL

Quant Time: Sep 04 17:19:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

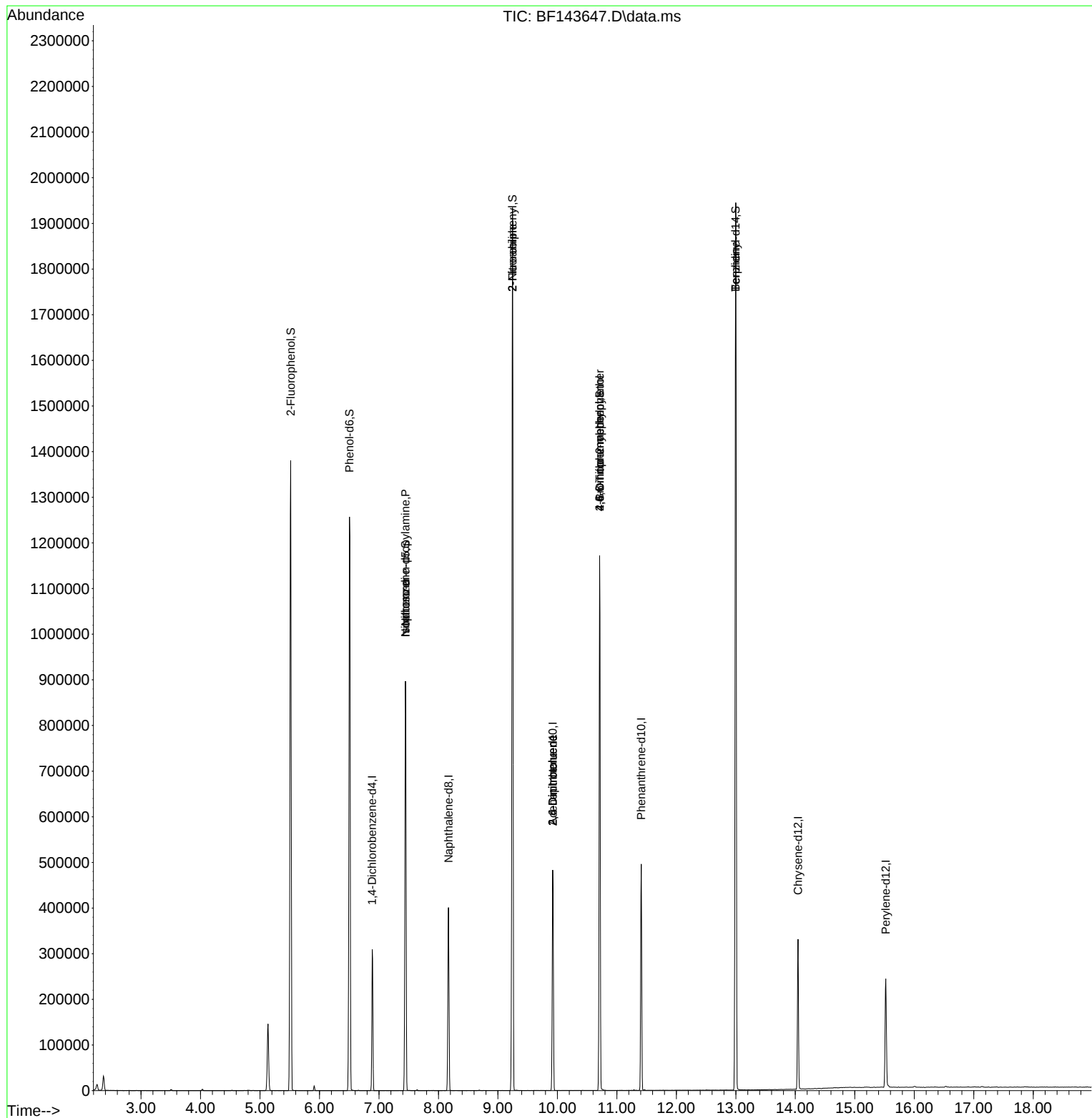
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	67677	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	261978	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	152072	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	255126	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161439	20.000	ng	0.00
86) Perylene-d12	15.521	264	144591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	551128	144.267	ng	0.01
7) Phenol-d6	6.504	99	668822	141.059	ng	0.00
23) Nitrobenzene-d5	7.445	82	427732	114.752	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	211674	166.454	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	932653	97.984	ng	0.00
79) Terphenyl-d14	12.998	244	990910	102.273	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	56944	18.860	ng	# 77
25) Isophorone	7.445	82	427113	50.849	ng	# 65
48) 2-Nitroaniline	9.245	65	1194	3.661	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	19527	14.060	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	19527	11.441	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.710	198	376	8.821	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13391	4.526	ng	# 1
77) Benzidine	12.998	184	11236	3.042	ng	# 95

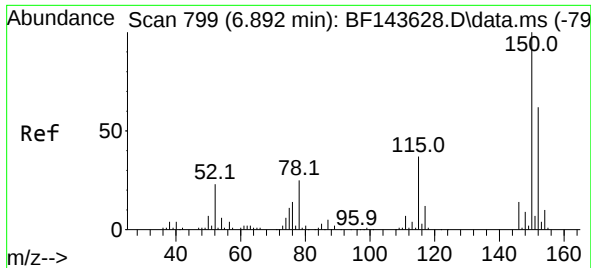
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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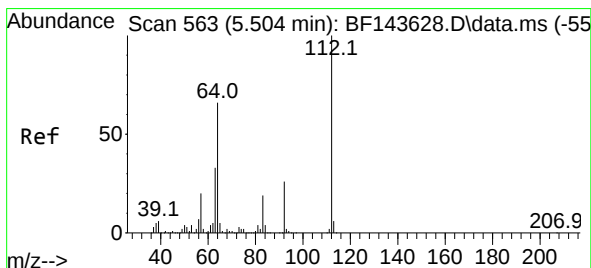
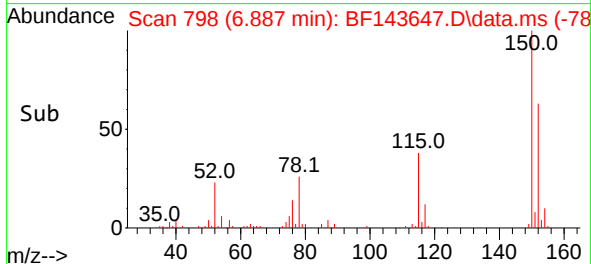
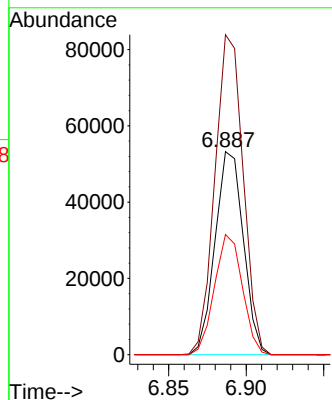
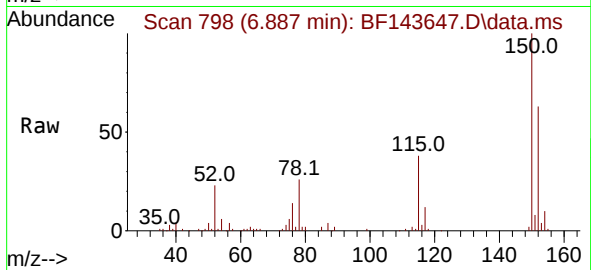




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

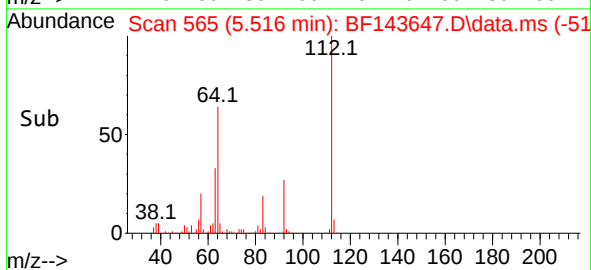
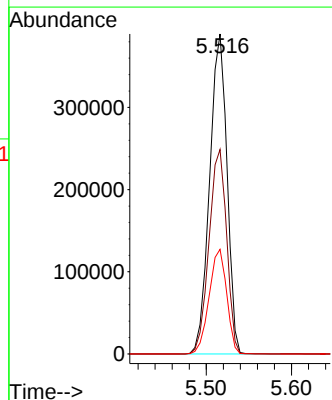
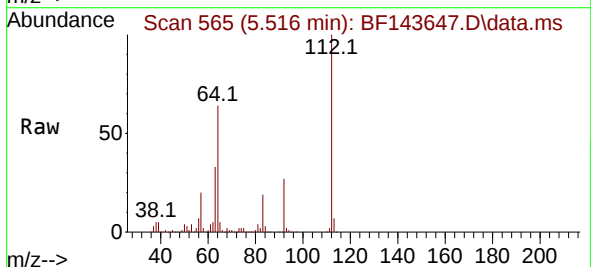
Instrument :
BNA_F
ClientSampleId :
PB169499BL

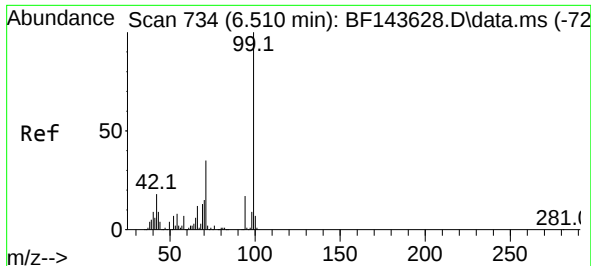
Tgt Ion:152 Resp: 67677
Ion Ratio Lower Upper
152 100
150 157.6 128.4 192.6
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 144.267 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

Tgt Ion:112 Resp: 551128
Ion Ratio Lower Upper
112 100
64 63.9 52.7 79.1
63 32.7 26.5 39.7

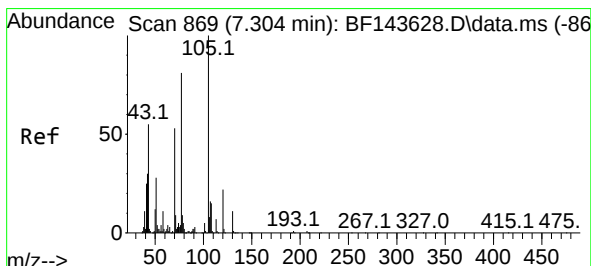
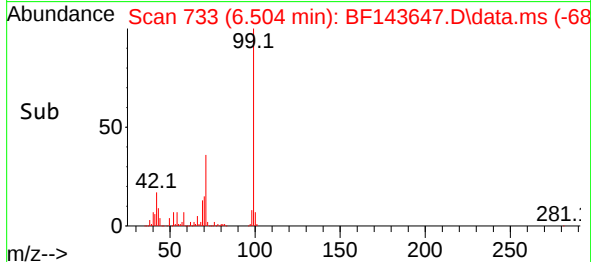
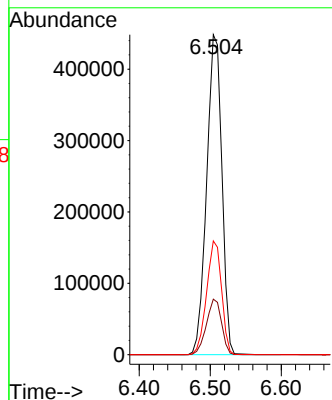
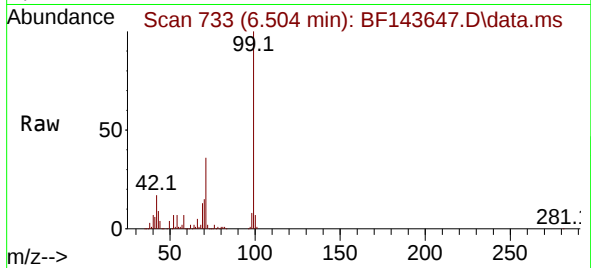




#7
Phenol-d6
Concen: 141.059 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

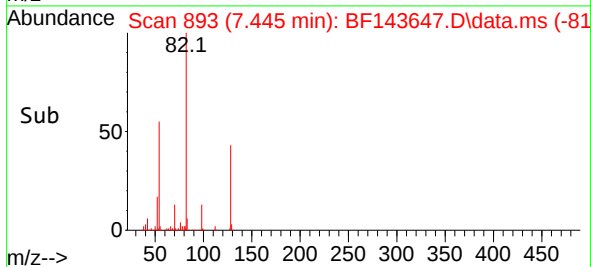
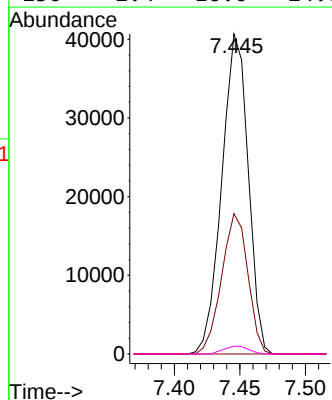
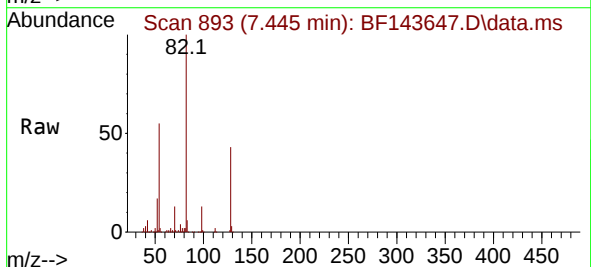
Instrument :
BNA_F
ClientSampleId :
PB169499BL

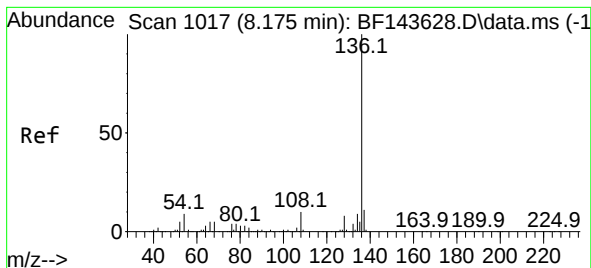
Tgt Ion: 99 Resp: 668822
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 35.5 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.860 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

Tgt Ion: 70 Resp: 56944
Ion Ratio Lower Upper
70 100
42 43.8 45.2 67.8#
101 0.0 7.6 11.4#
130 2.4 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143647.D

Acq: 04 Sep 2025 16:41

Instrument :

BNA_F

ClientSampleId :

PB169499BL

Tgt Ion:136 Resp: 261978

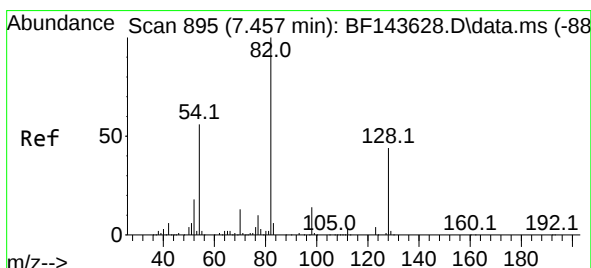
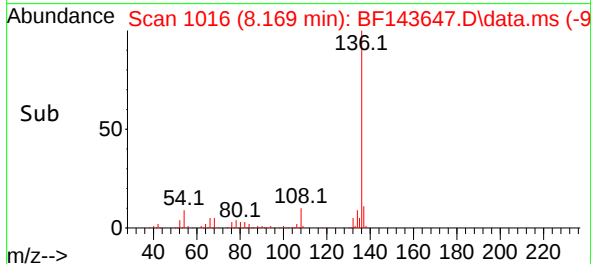
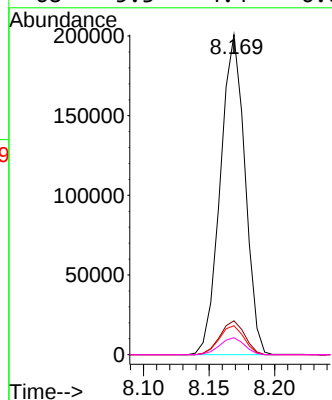
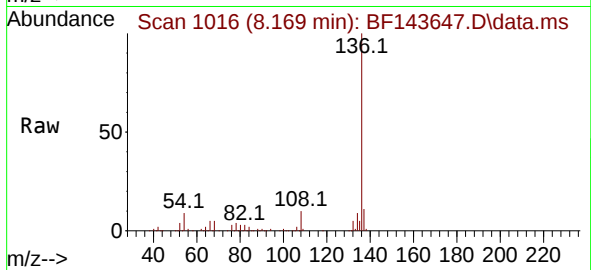
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 9.0 7.3 10.9

68 5.3 4.4 6.6



#23

Nitrobenzene-d5

Concen: 114.752 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF143647.D

Acq: 04 Sep 2025 16:41

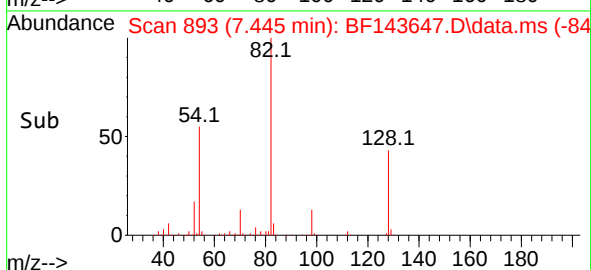
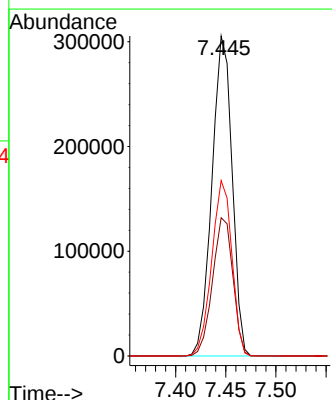
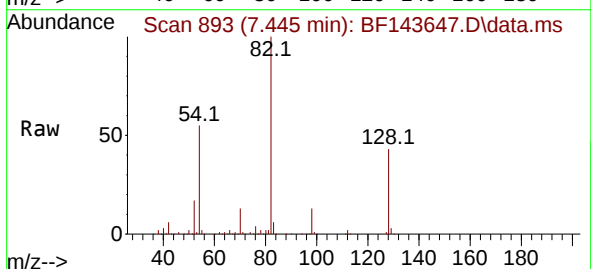
Tgt Ion: 82 Resp: 427732

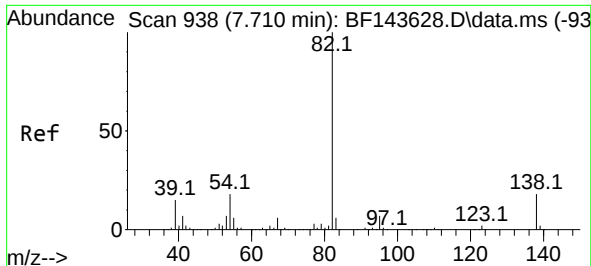
Ion Ratio Lower Upper

82 100

128 43.2 34.7 52.1

54 54.8 44.8 67.2

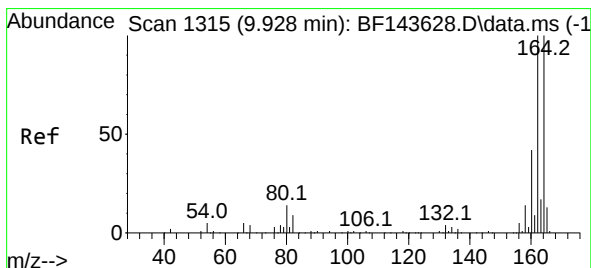
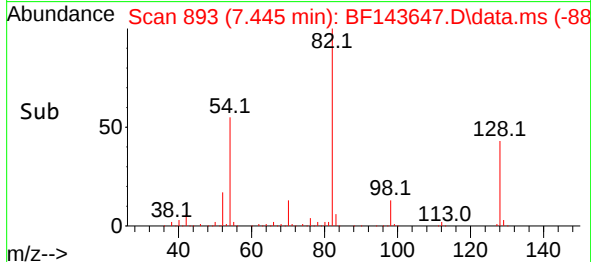
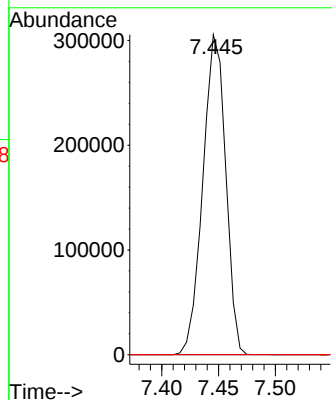
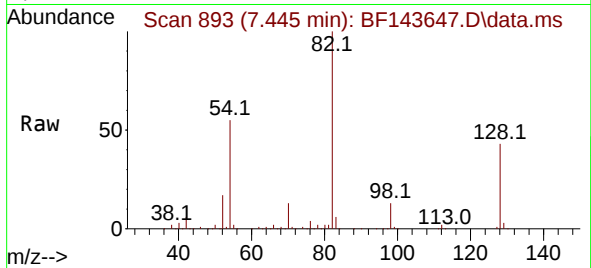




#25
Isophorone
Concen: 50.849 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

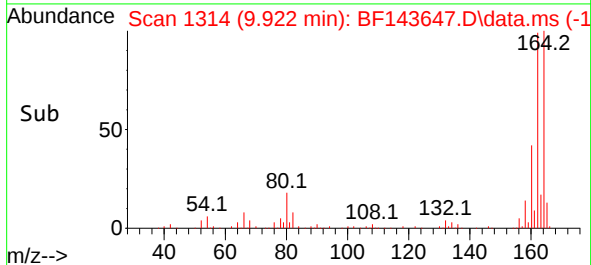
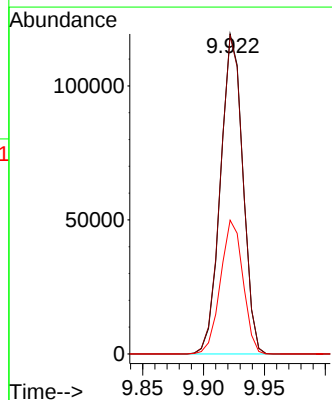
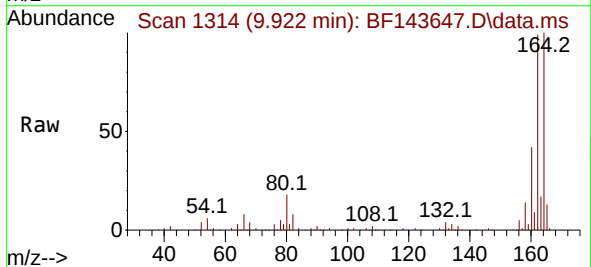
Instrument :
BNA_F
ClientSampleId :
PB169499BL

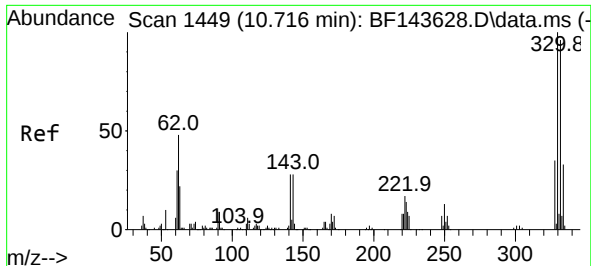
Tgt Ion: 82 Resp: 427113
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

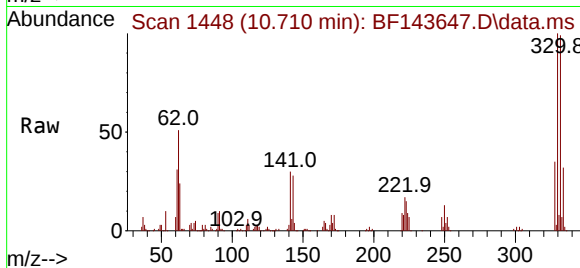
Tgt Ion: 164 Resp: 152072
Ion Ratio Lower Upper
164 100
162 99.5 80.3 120.5
160 41.8 34.0 51.0





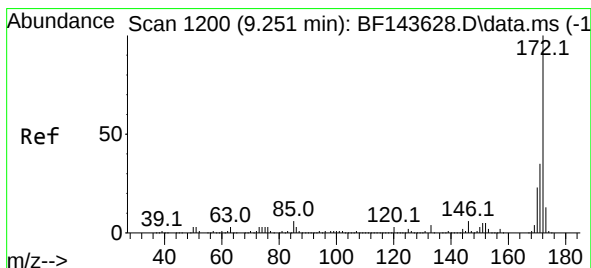
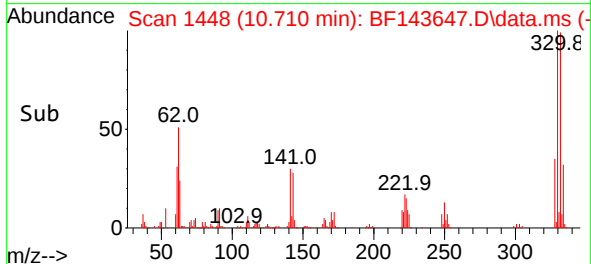
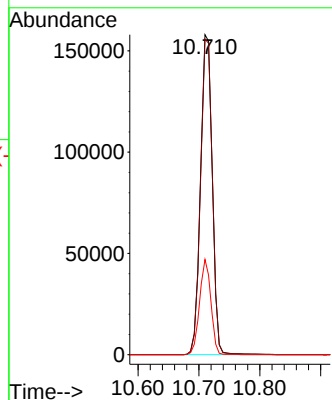
#42
 2,4,6-Tribromophenol
 Concen: 166.454 ng
 RT: 10.710 min Scan# 1449
 Delta R.T. -0.006 min
 Lab File: BF143647.D
 Acq: 04 Sep 2025 16:41

Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL



Tgt Ion: 330 Resp: 211674

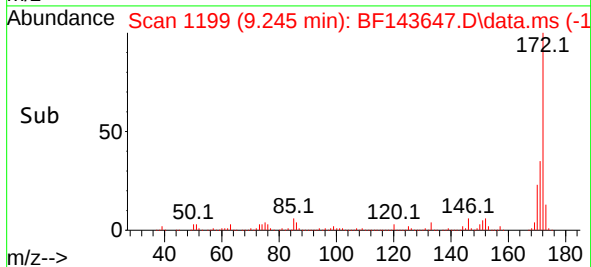
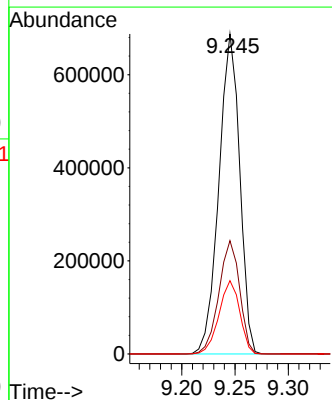
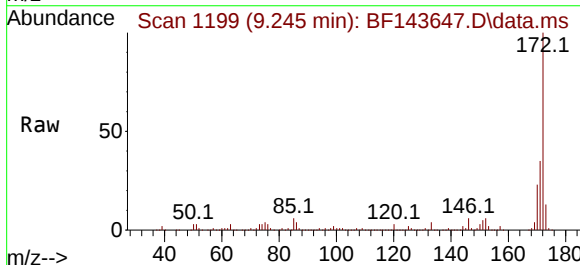
Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	28.5	23.5	35.3

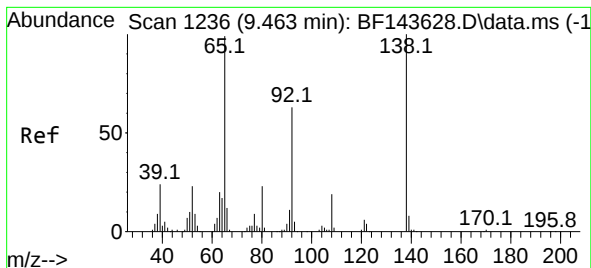


#45
 2-Fluorobiphenyl
 Concen: 97.984 ng
 RT: 9.245 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF143647.D
 Acq: 04 Sep 2025 16:41

Tgt Ion: 172 Resp: 932653

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	22.9	18.6	28.0





#48

2-Nitroaniline

Concen: 3.661 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.218 min

Lab File: BF143647.D

Acq: 04 Sep 2025 16:41

Instrument :

BNA_F

ClientSampleId :

PB169499BL

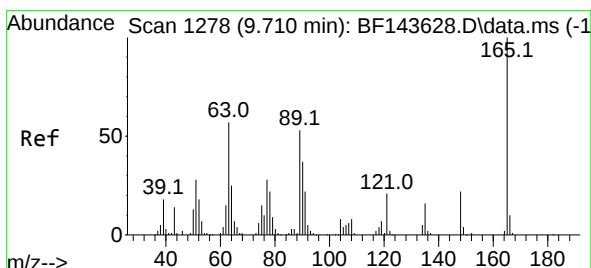
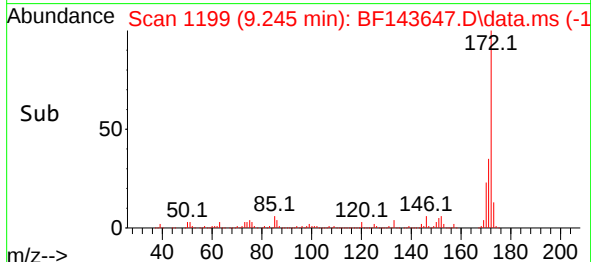
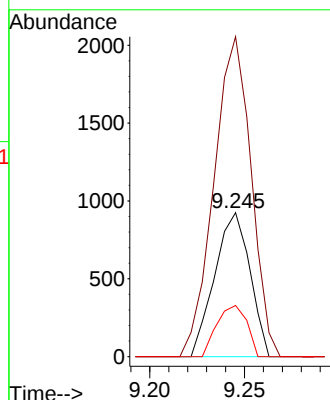
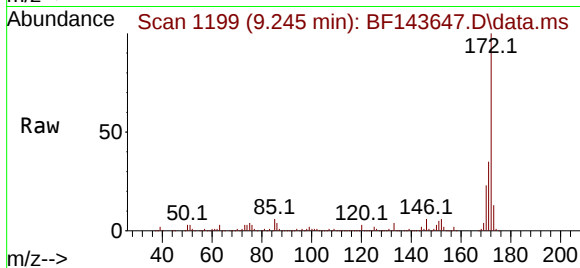
Tgt Ion: 65 Resp: 1194

Ion Ratio Lower Upper

65 100

92 222.2 50.9 76.3#

138 35.6 80.6 120.8#



#51

2,6-Dinitrotoluene

Concen: 14.060 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.212 min

Lab File: BF143647.D

Acq: 04 Sep 2025 16:41

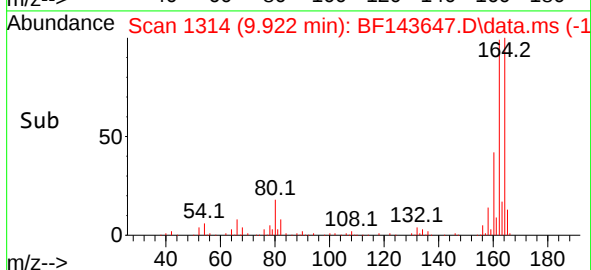
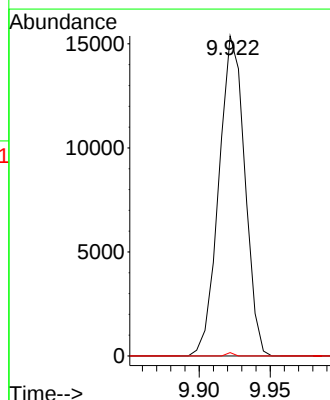
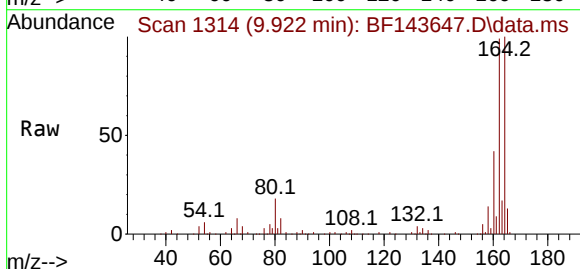
Tgt Ion: 165 Resp: 19527

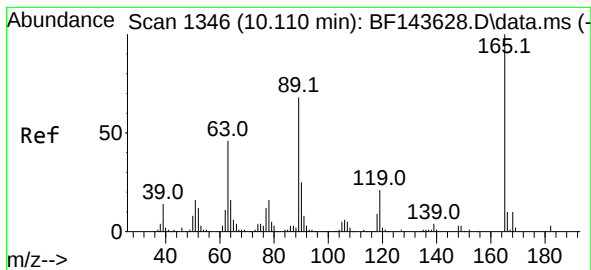
Ion Ratio Lower Upper

165 100

63 0.0 45.4 68.0#

89 1.1 42.1 63.1#

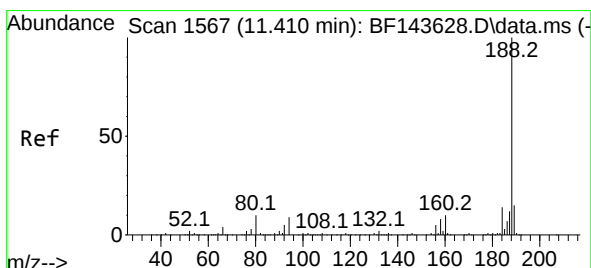
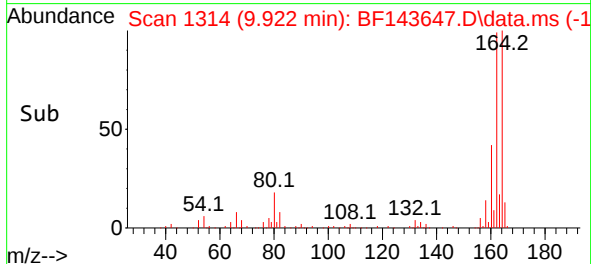
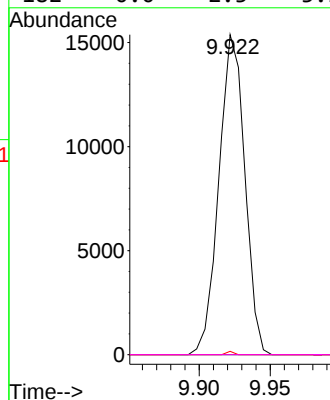
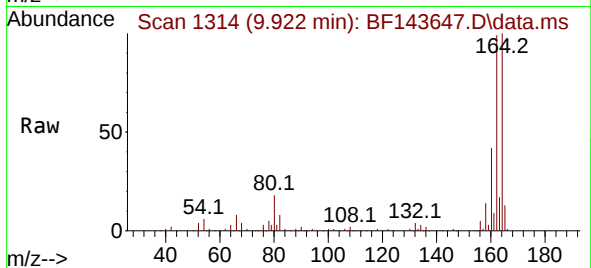




#57
2,4-Dinitrotoluene
Concen: 11.441 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

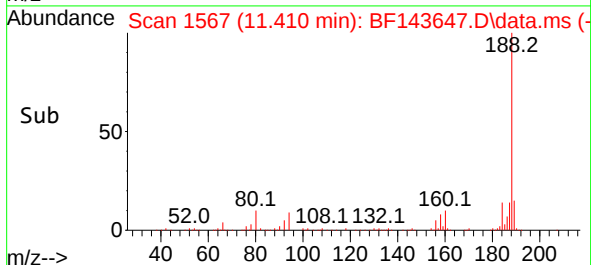
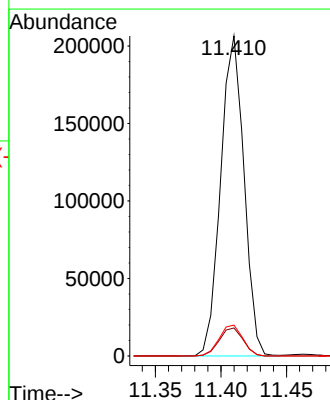
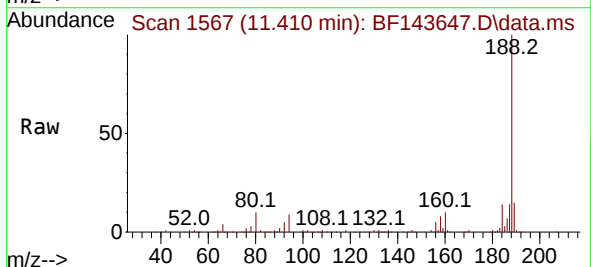
Instrument :
BNA_F
ClientSampleId :
PB169499BL

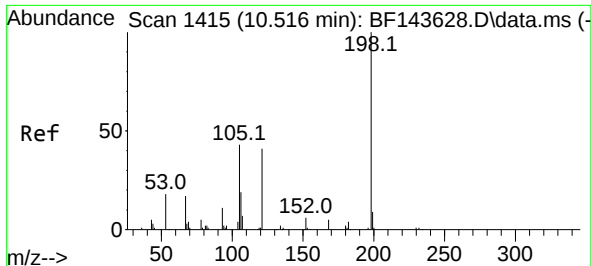
Tgt Ion:165 Resp: 19527
Ion Ratio Lower Upper
165 100
63 0.0 37.0 55.6#
89 1.1 54.1 81.1#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

Tgt Ion:188 Resp: 255126
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 9.7 8.4 12.6

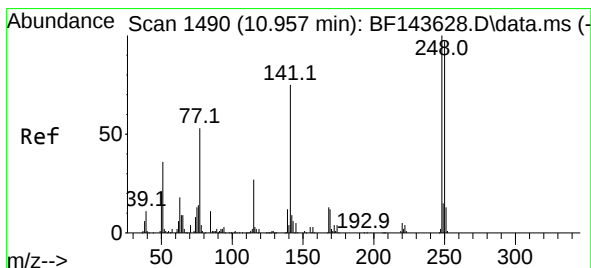
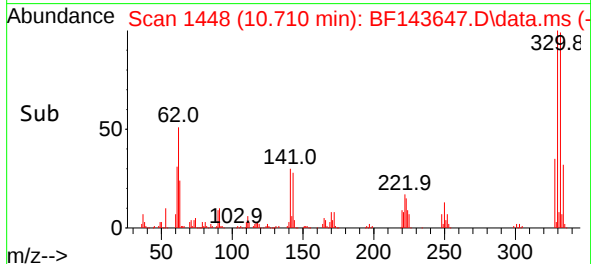
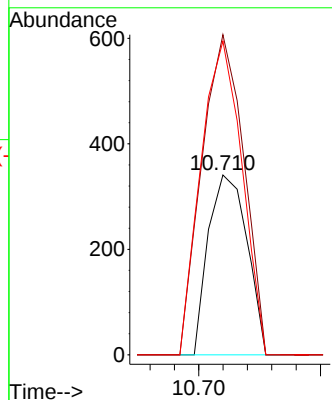
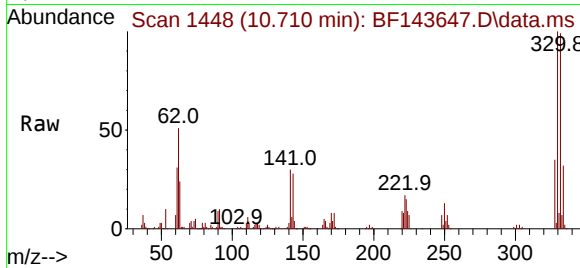




#65
4,6-Dinitro-2-methylphenol
Concen: 8.821 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

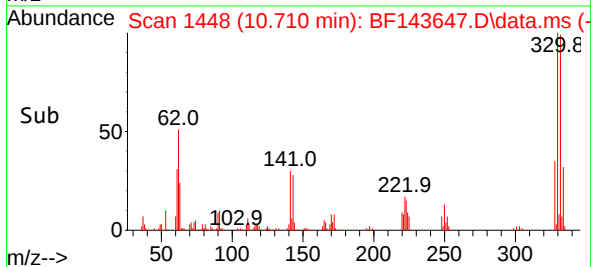
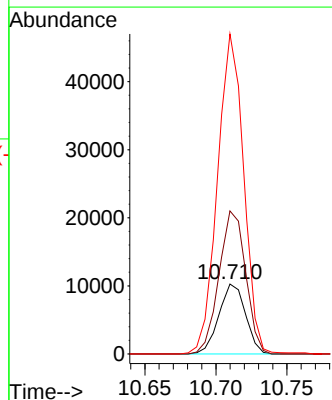
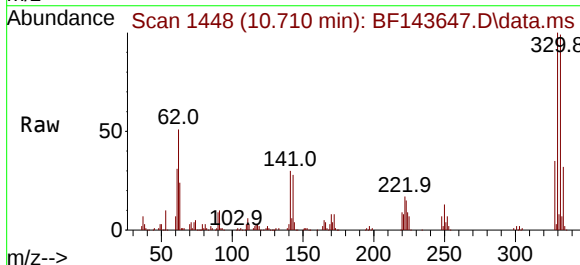
Instrument :
BNA_F
ClientSampleId :
PB169499BL

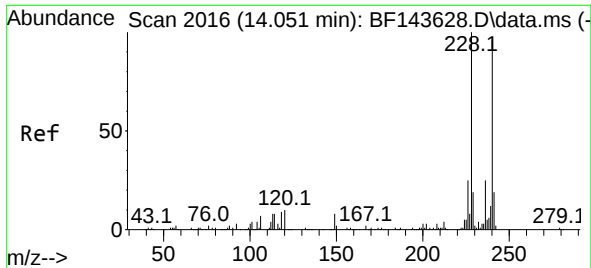
Tgt Ion:198 Resp: 376
Ion Ratio Lower Upper
198 100
51 178.0 30.7 70.7#
105 174.5 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 4.526 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

Tgt Ion:248 Resp: 13391
Ion Ratio Lower Upper
248 100
250 204.6 77.6 116.4#
141 457.6 60.1 90.1#

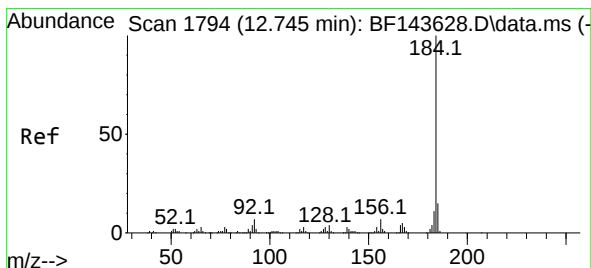
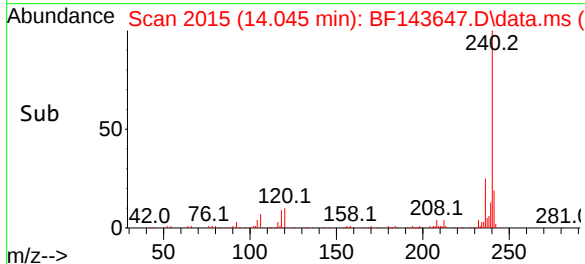
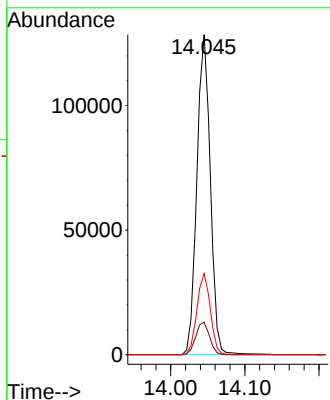
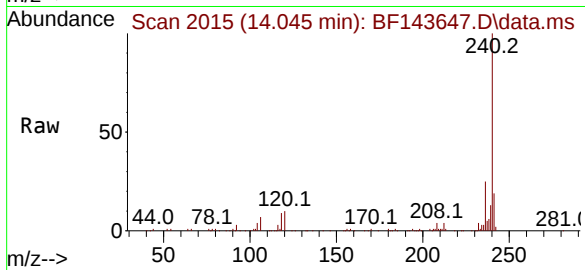




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

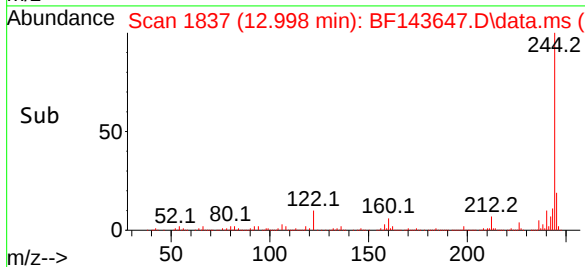
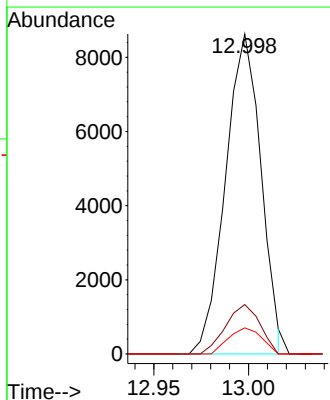
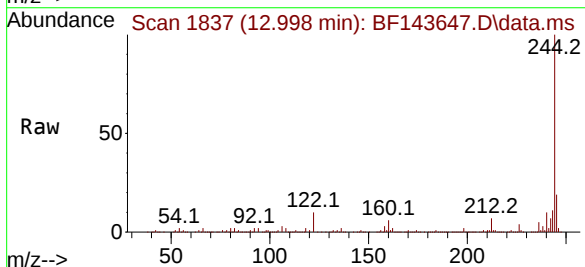
Instrument :
BNA_F
ClientSampleId :
PB169499BL

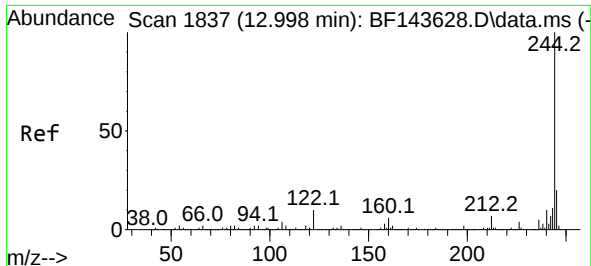
Tgt Ion:240 Resp: 161439
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 25.4 20.5 30.7



#77
Benzidine
Concen: 3.042 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143647.D
Acq: 04 Sep 2025 16:41

Tgt Ion:184 Resp: 11236
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.6
183 8.1 9.0 13.6#

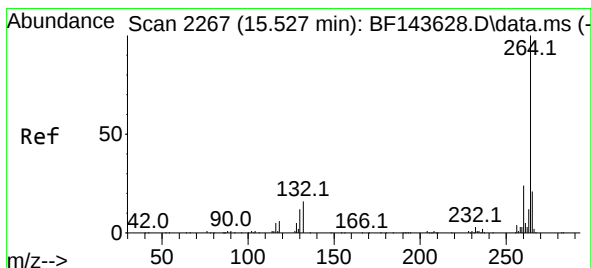
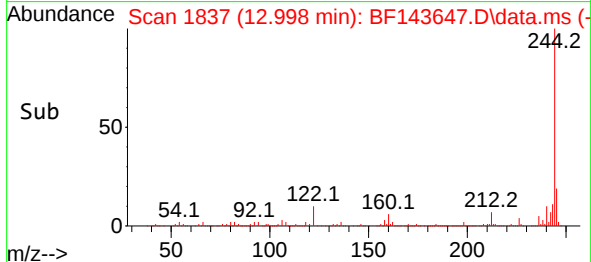
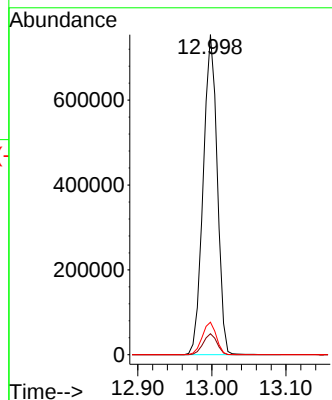
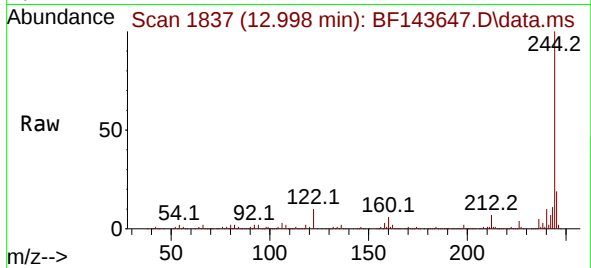




#79
 Terphenyl-d14
 Concen: 102.273 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF143647.D
 Acq: 04 Sep 2025 16:41

Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL

Tgt Ion:244 Resp: 990910
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF143647.D
 Acq: 04 Sep 2025 16:41

Tgt Ion:264 Resp: 144591
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.2 17.1 25.7

