

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090325\
 Data File : BF143633.D
 Acq On : 03 Sep 2025 18:38
 Operator : RC/JU
 Sample : PB169499BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL

Quant Time: Sep 03 18:59:38 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)

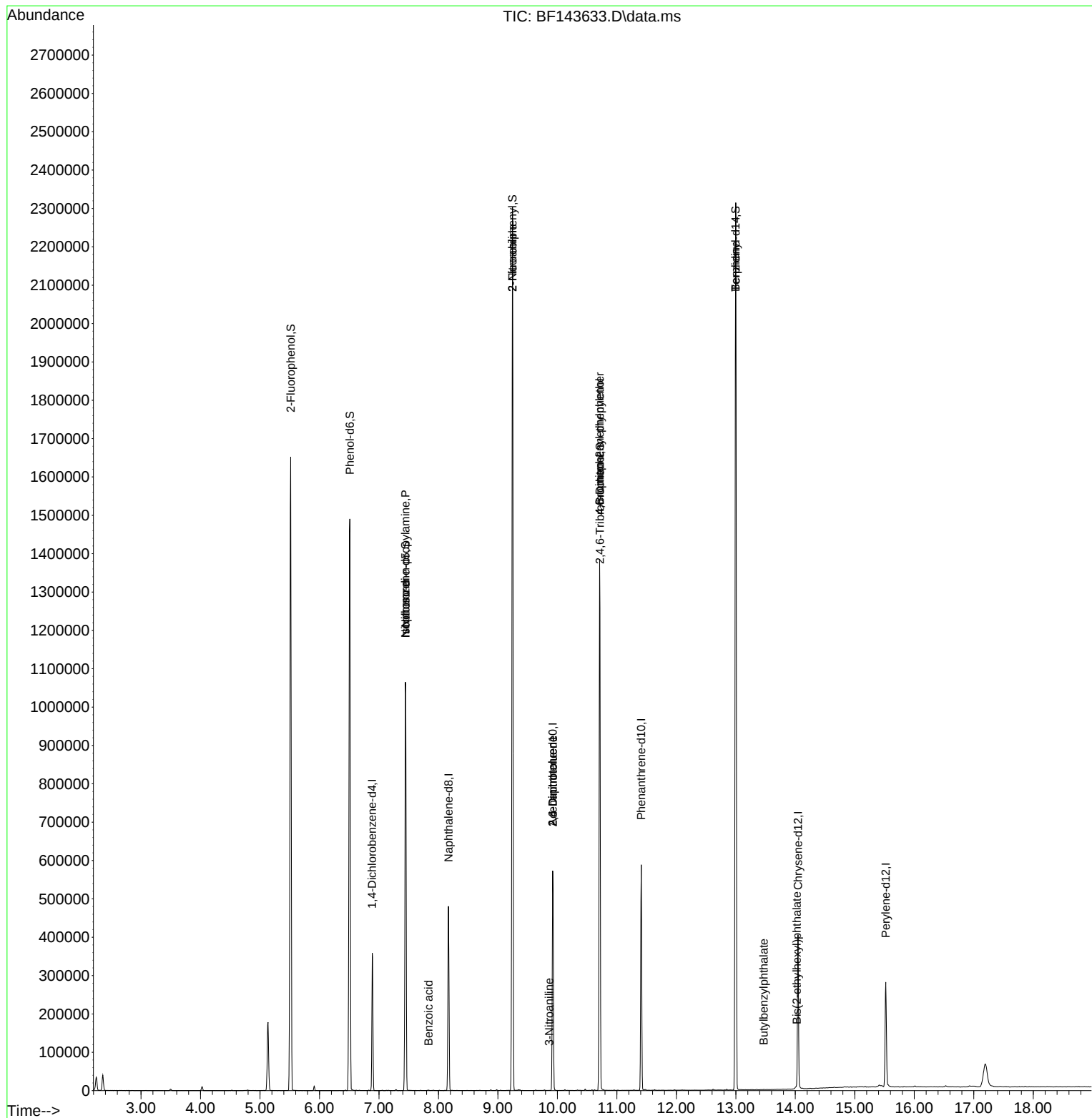
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	78074	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	304751	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	179290	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	298095	20.000	ng	0.00
76) Chrysene-d12	14.045	240	192445	20.000	ng	0.00
86) Perylene-d12	15.521	264	165623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	657256	149.137	ng	0.01
7) Phenol-d6	6.510	99	810966	148.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	505999	116.697	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	255281	170.270	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1093352	97.429	ng	0.00
79) Terphenyl-d14	12.998	244	1165783	100.936	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.445	70	68258	19.596	ng	# 79
25) Isophorone	7.445	82	505580	51.743	ng	# 65
32) Benzoic acid	7.834	122	703	7.753	ng	98
48) 2-Nitroaniline	9.245	65	1626	3.737	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	22737	13.933	ng	# 26
53) 3-Nitroaniline	9.863	138	55	3.042	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	22737	11.348	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.710	198	478	8.846	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	16262	4.704	ng	# 1
77) Benzidine	12.998	184	13792	3.132	ng	# 94
80) Butylbenzylphthalate	13.469	149	125	3.322	ng	# 73
84) Bis(2-ethylhexyl)phtha...	14.027	149	230	2.929	ng	# 53

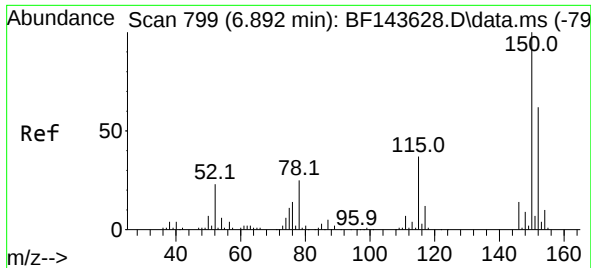
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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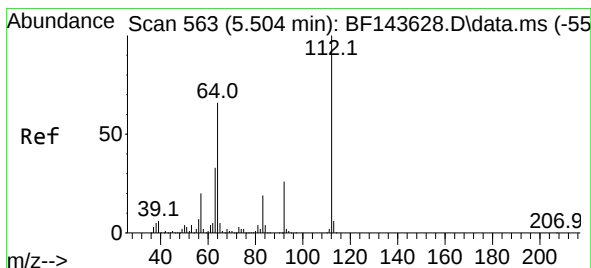
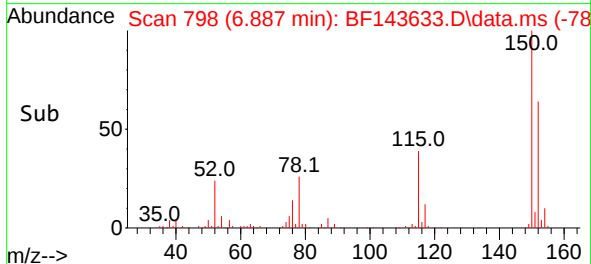
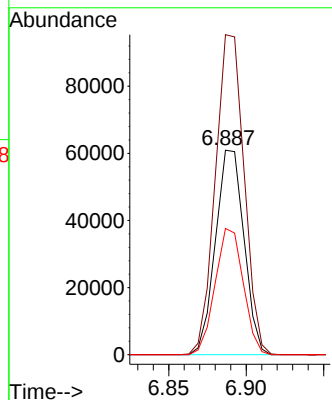
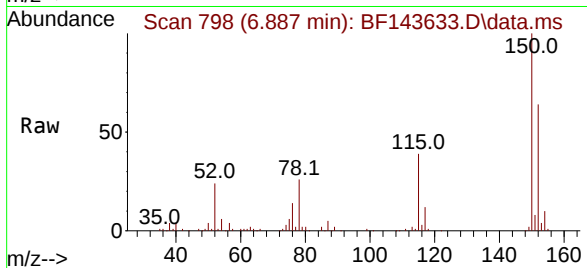




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 799
 Delta R.T. -0.005 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

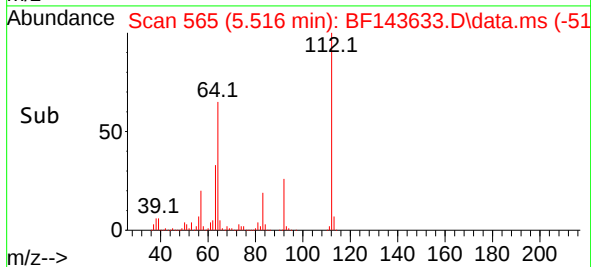
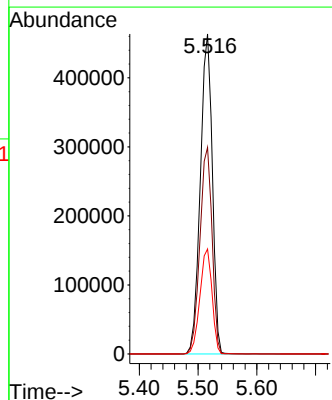
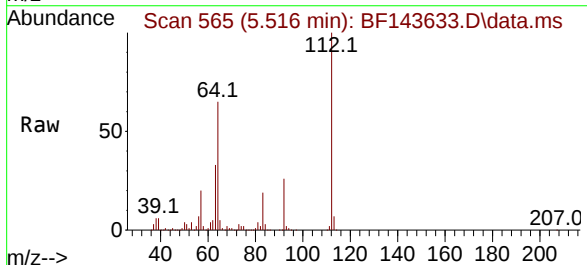
Instrument :
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 ClientSampleId :
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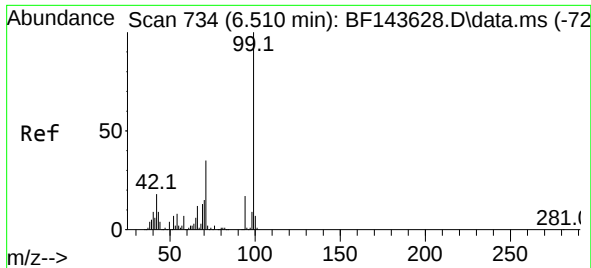
Tgt Ion:152 Resp: 78074
 Ion Ratio Lower Upper
 152 100
 150 156.5 128.4 192.6
 115 61.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 149.137 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.012 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

Tgt Ion:112 Resp: 657256
 Ion Ratio Lower Upper
 112 100
 64 64.5 52.7 79.1
 63 32.8 26.5 39.7

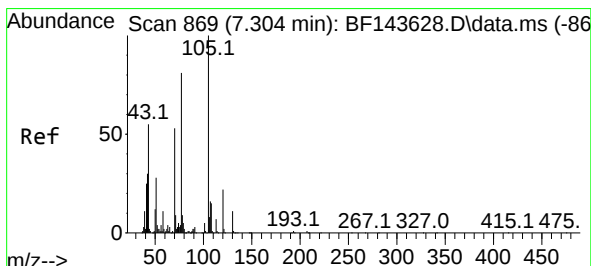
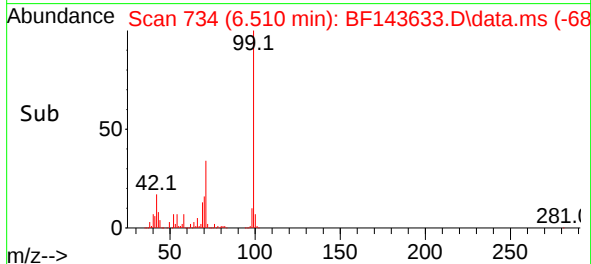
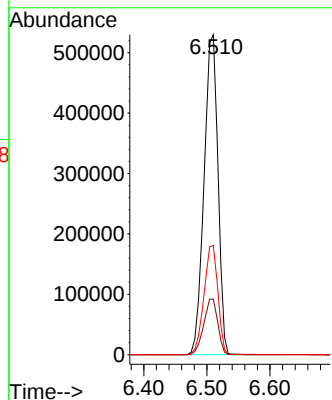
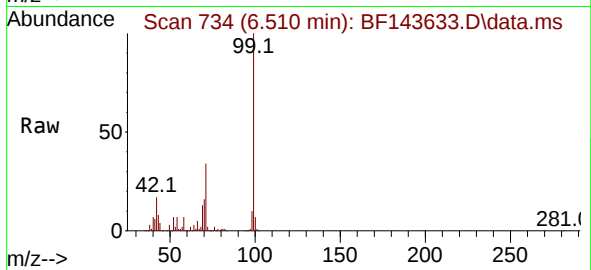




#7
Phenol-d6
Concen: 148.262 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

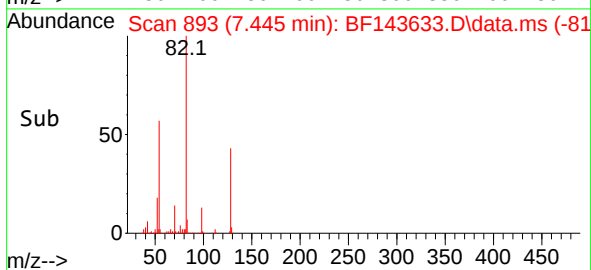
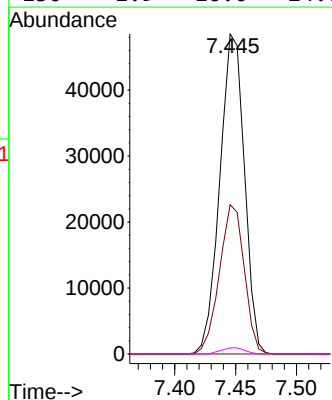
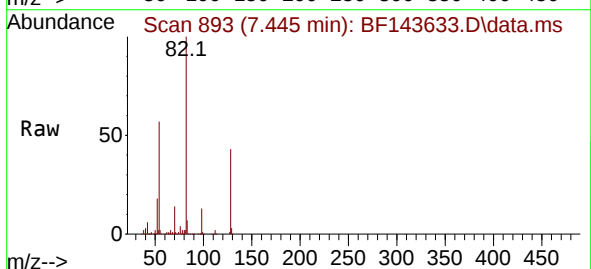
Instrument :
BNA_F
ClientSampleId :
PB169499BL

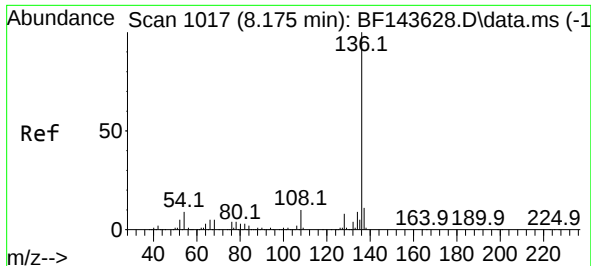
Tgt Ion: 99 Resp: 810966
Ion Ratio Lower Upper
99 100
42 17.3 14.6 22.0
71 34.2 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.596 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion: 70 Resp: 68258
Ion Ratio Lower Upper
70 100
42 46.6 45.2 67.8
101 0.0 7.6 11.4#
130 1.9 16.0 24.0#

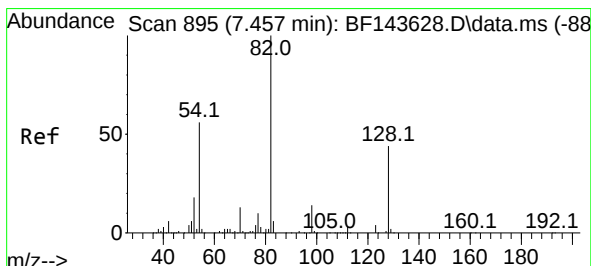
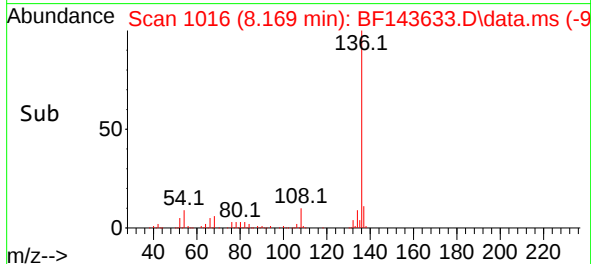
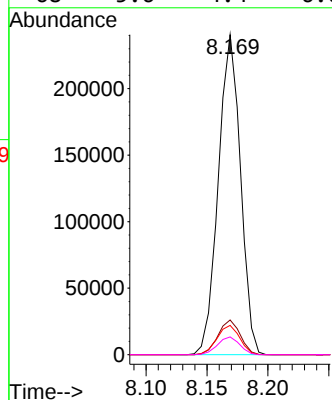
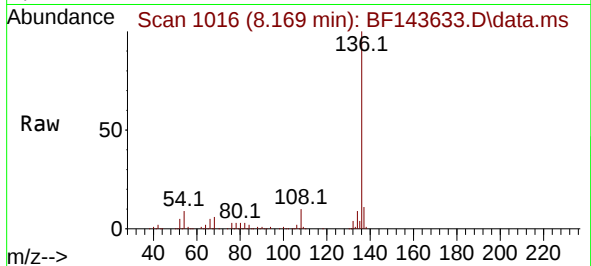




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

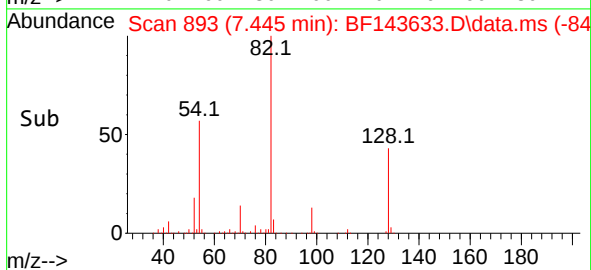
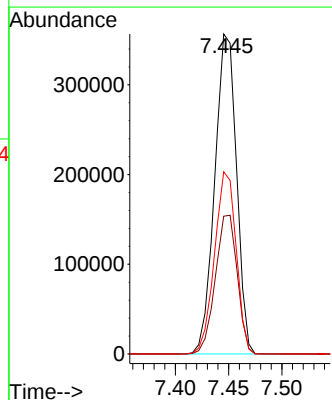
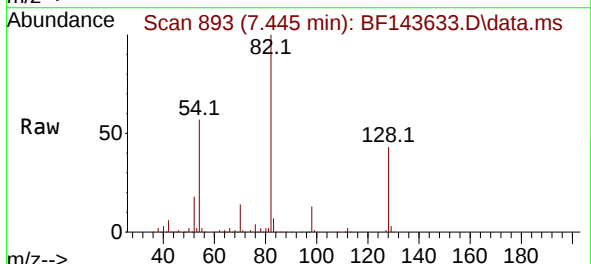
Instrument :
BNA_F
ClientSampleId :
PB169499BL

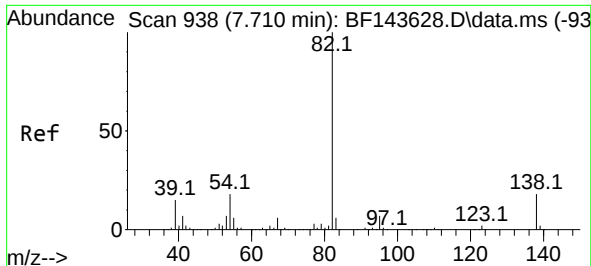
Tgt Ion:136 Resp: 304751
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.2 7.3 10.9
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 116.697 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion: 82 Resp: 505999
Ion Ratio Lower Upper
82 100
128 43.0 34.7 52.1
54 57.0 44.8 67.2

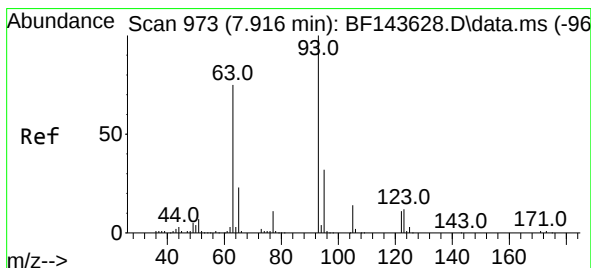
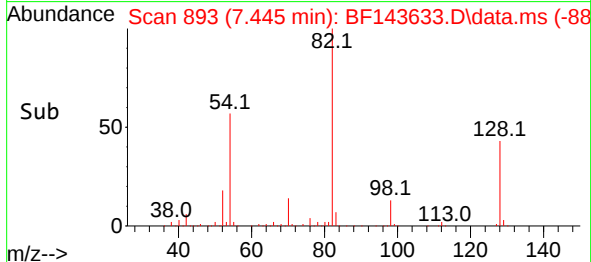
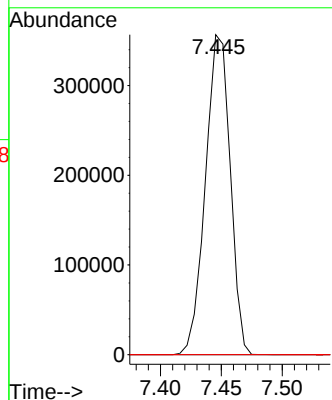
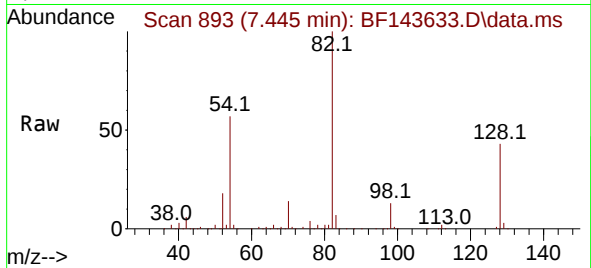




#25
Isophorone
Concen: 51.743 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

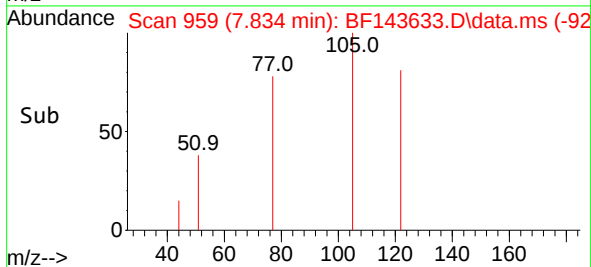
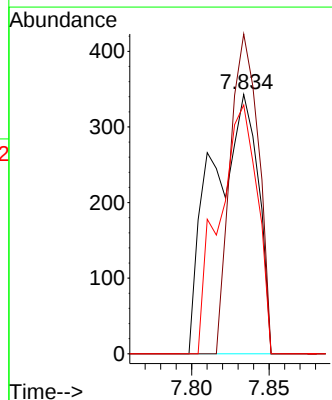
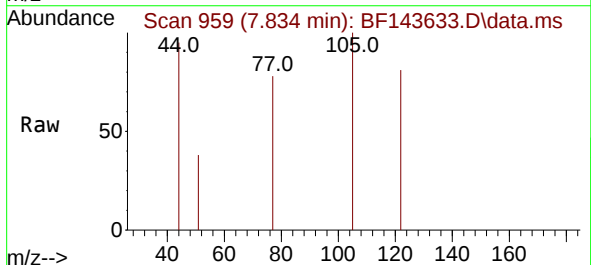
Instrument :
BNA_F
ClientSampleId :
PB169499BL

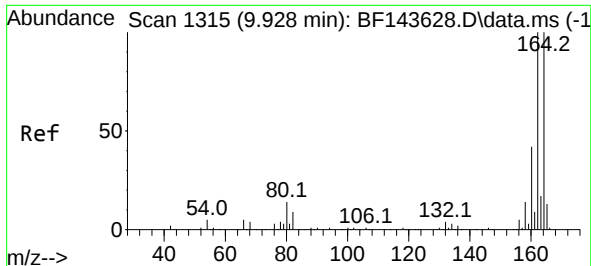
Tgt Ion: 82 Resp: 505580
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.2#



#32
Benzoic acid
Concen: 7.753 ng
RT: 7.834 min Scan# 959
Delta R.T. -0.082 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion: 122 Resp: 703
Ion Ratio Lower Upper
122 100
105 123.3 105.9 145.9
77 95.9 78.6 118.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143633.D

Acq: 03 Sep 2025 18:38

Instrument :

BNA_F

ClientSampleId :

PB169499BL

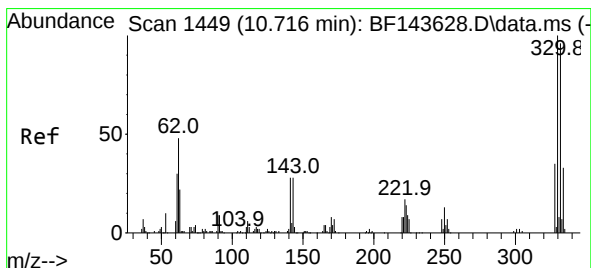
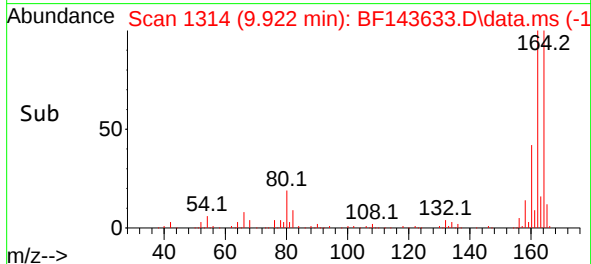
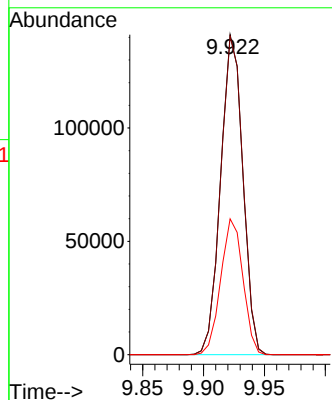
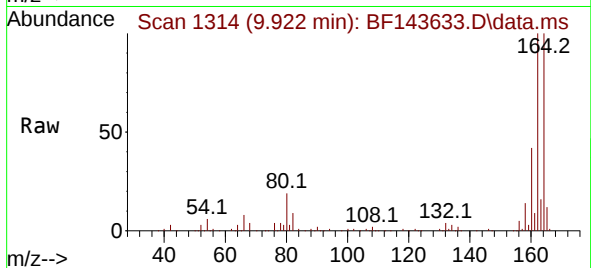
Tgt Ion:164 Resp: 179290

Ion Ratio Lower Upper

164 100

162 99.5 80.3 120.5

160 42.5 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 170.270 ng

RT: 10.716 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF143633.D

Acq: 03 Sep 2025 18:38

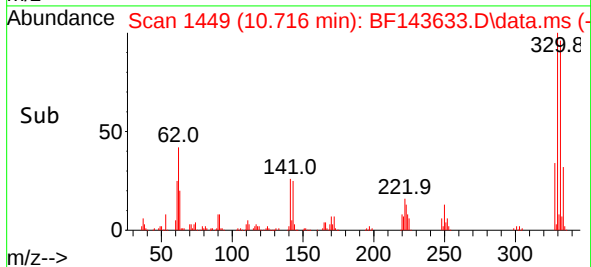
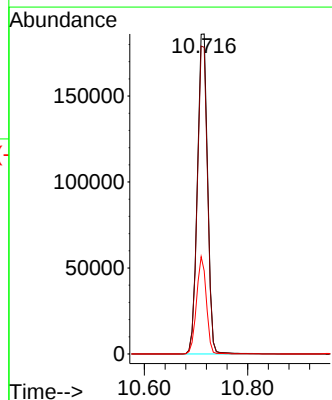
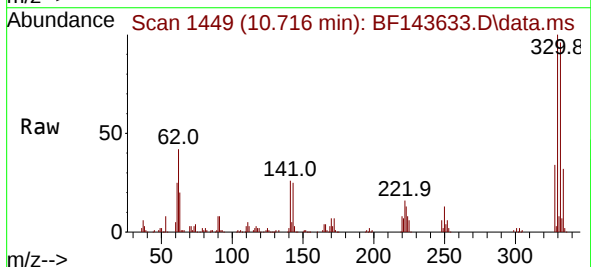
Tgt Ion:330 Resp: 255281

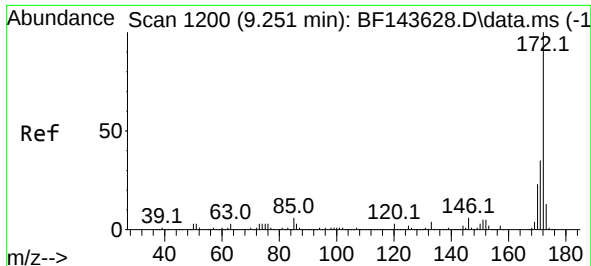
Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 29.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 97.429 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143633.D

Acq: 03 Sep 2025 18:38

Instrument :

BNA_F

ClientSampleId :

PB169499BL

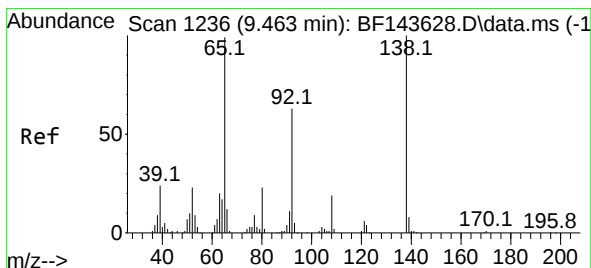
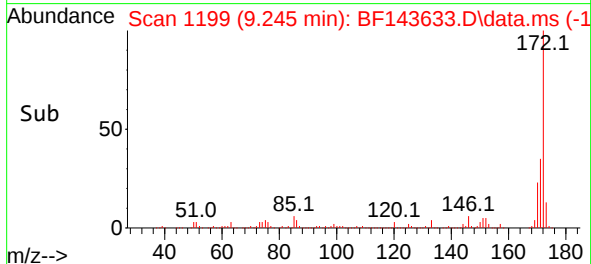
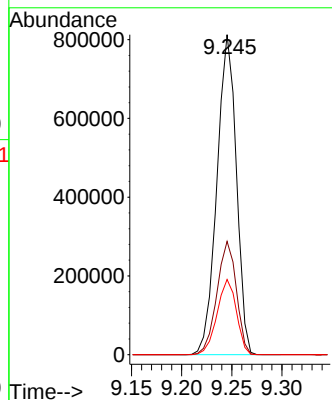
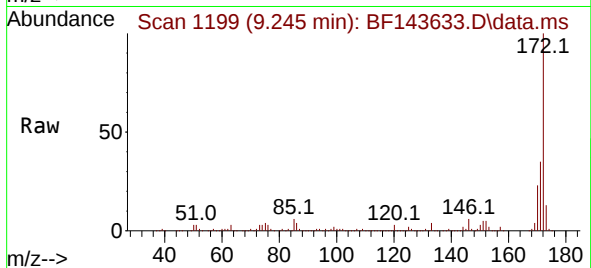
Tgt Ion:172 Resp: 1093352

Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.5 18.6 28.0



#48

2-Nitroaniline

Concen: 3.737 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.218 min

Lab File: BF143633.D

Acq: 03 Sep 2025 18:38

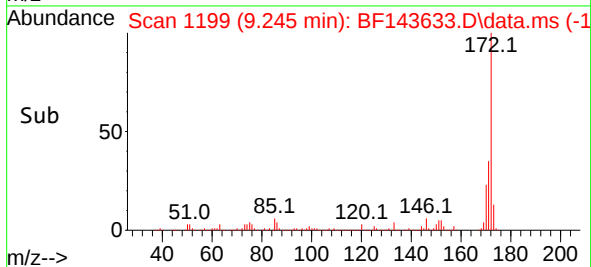
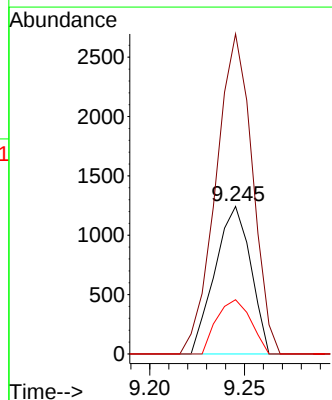
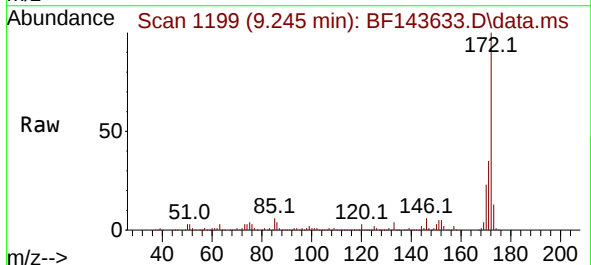
Tgt Ion: 65 Resp: 1626

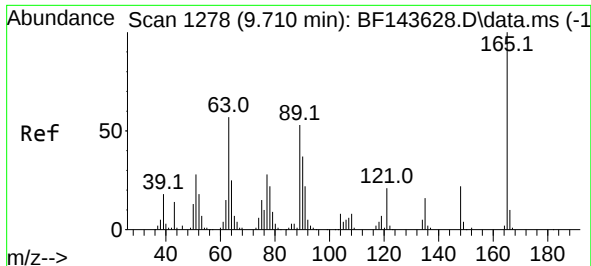
Ion Ratio Lower Upper

65 100

92 216.9 50.9 76.3#

138 36.8 80.6 120.8#

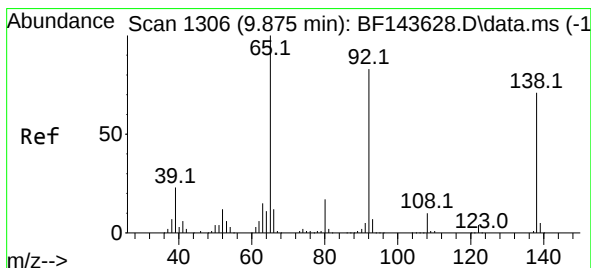
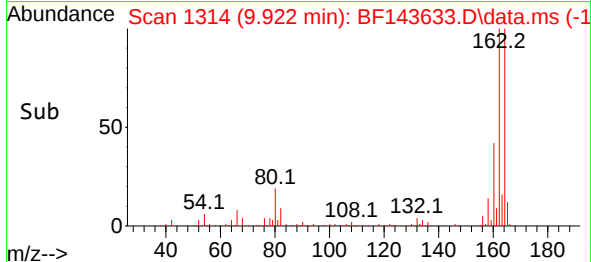
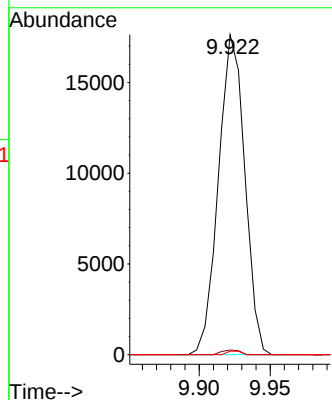
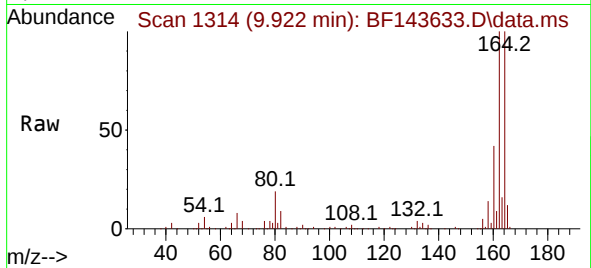




#51
2,6-Dinitrotoluene
Concen: 13.933 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

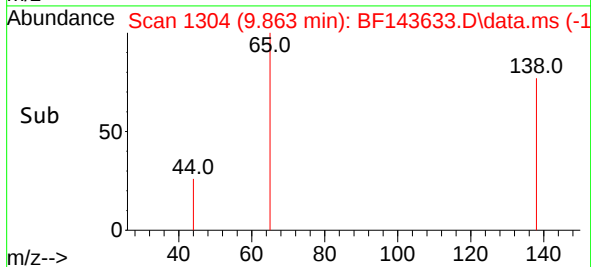
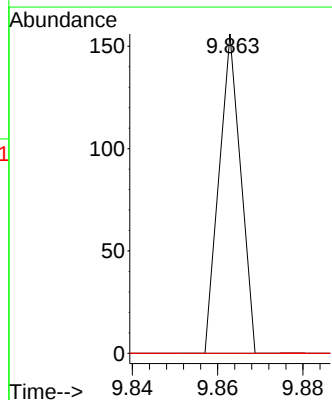
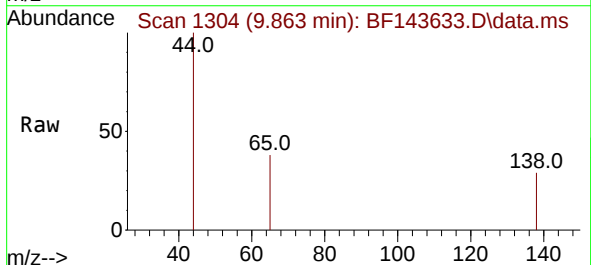
Instrument :
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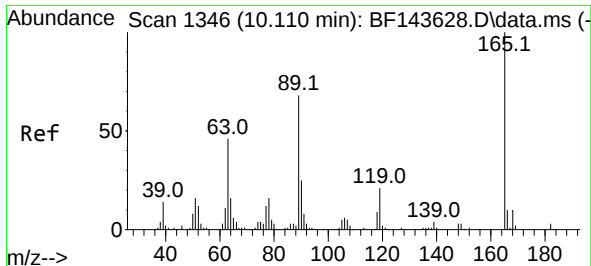
Tgt Ion:165 Resp: 22737
Ion Ratio Lower Upper
165 100
63 1.5 45.4 68.0#
89 1.1 42.1 63.1#



#53
3-Nitroaniline
Concen: 3.042 ng
RT: 9.863 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 0.0 10.7 16.1#
92 0.0 93.4 140.2#

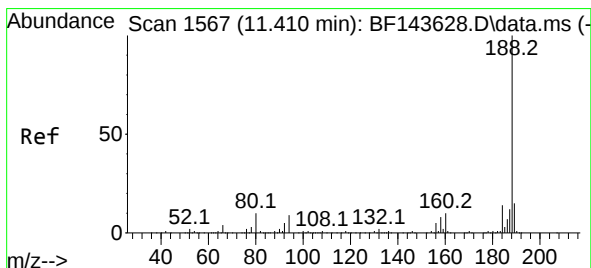
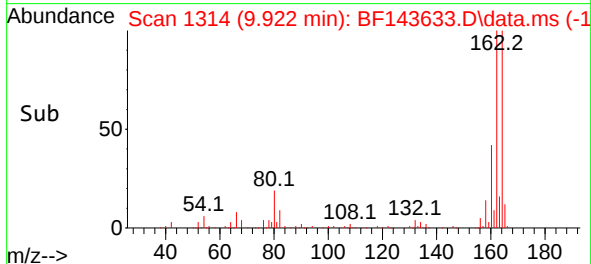
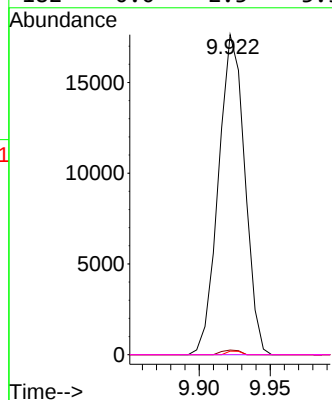
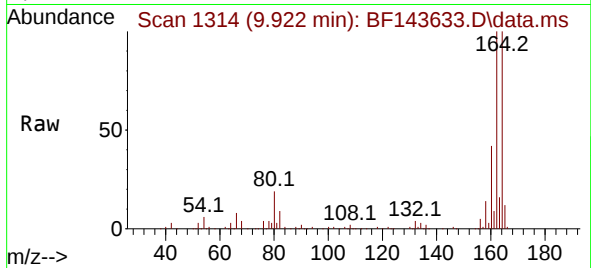




#57
2,4-Dinitrotoluene
Concen: 11.348 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

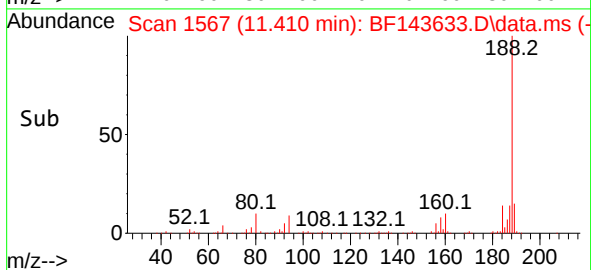
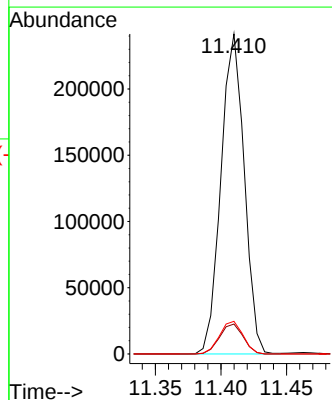
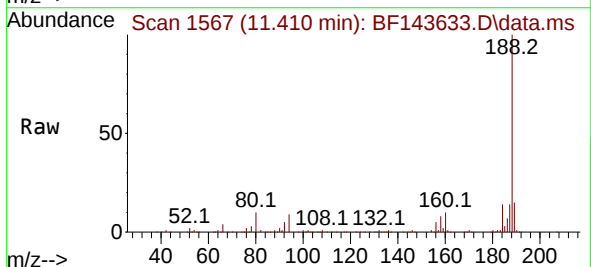
Instrument :
BNA_F
ClientSampleId :
PB169499BL

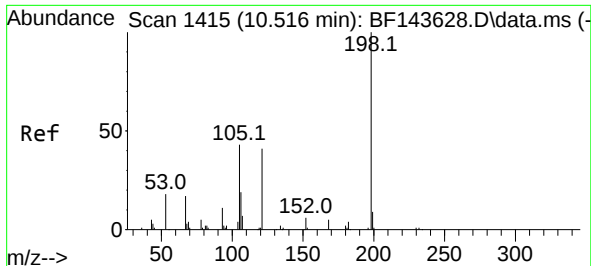
Tgt Ion:165 Resp: 22737
Ion Ratio Lower Upper
165 100
63 1.5 37.0 55.6#
89 1.1 54.1 81.1#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion:188 Resp: 298095
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 10.2 8.4 12.6

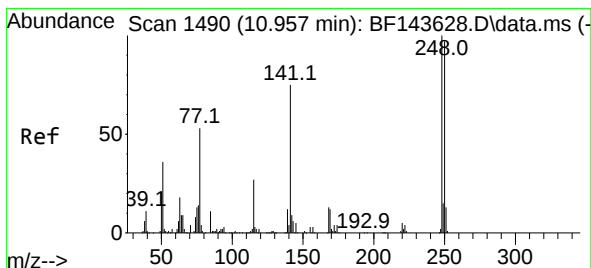
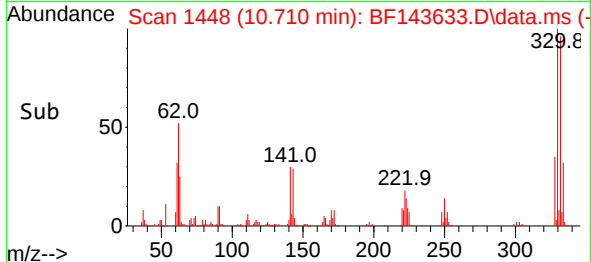
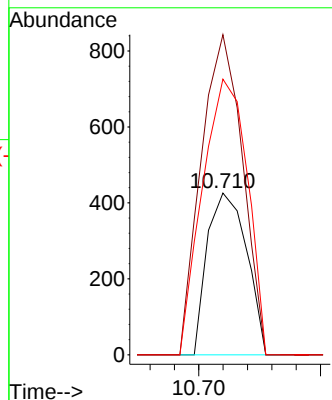
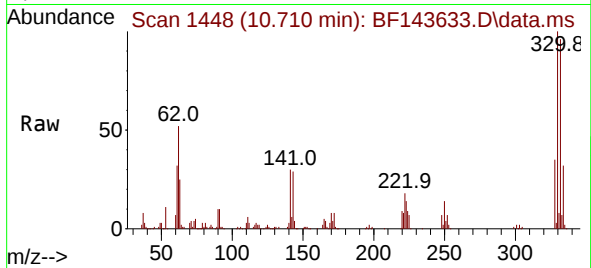




#65
4,6-Dinitro-2-methylphenol
Concen: 8.846 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

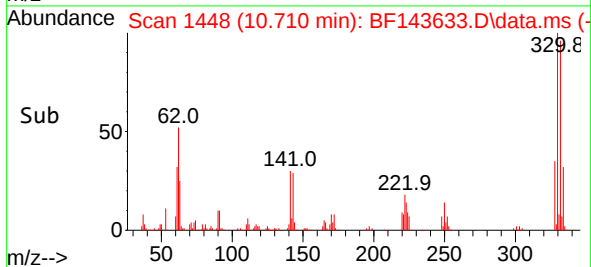
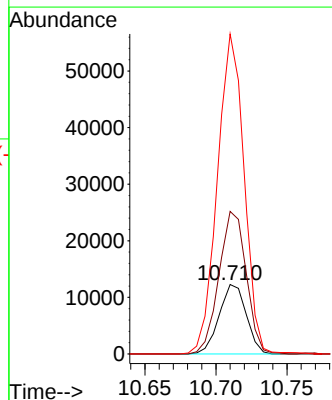
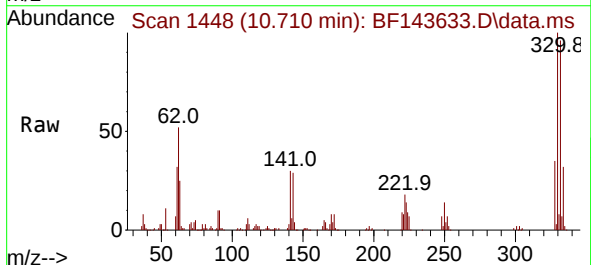
Instrument :
BNA_F
ClientSampleId :
PB169499BL

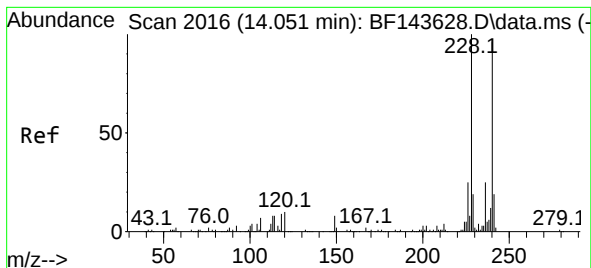
Tgt Ion:198 Resp: 478
Ion Ratio Lower Upper
198 100
51 197.9 30.7 70.7#
105 170.4 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 4.704 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143633.D
Acq: 03 Sep 2025 18:38

Tgt Ion:248 Resp: 16262
Ion Ratio Lower Upper
248 100
250 205.4 77.6 116.4#
141 461.0 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: BF143633.D

Acq: 03 Sep 2025 18:38

Instrument :

BNA_F

ClientSampleId :

PB169499BL

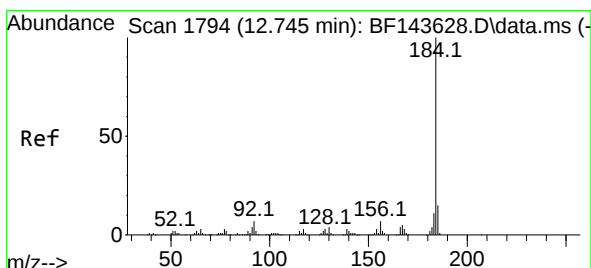
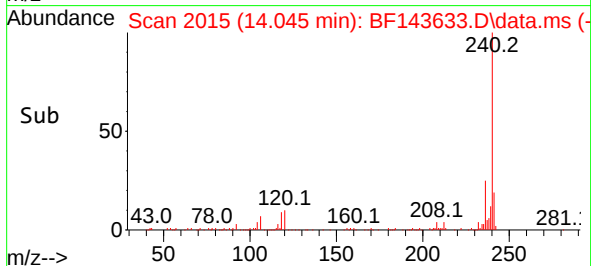
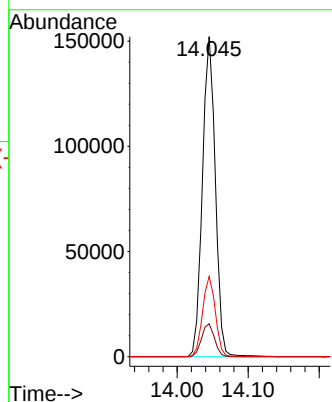
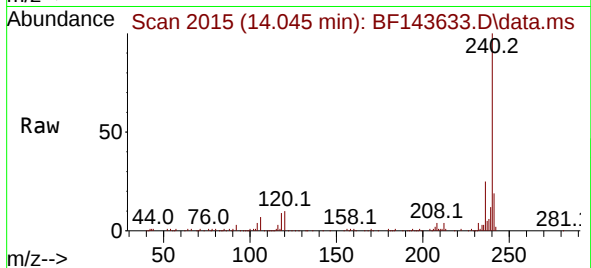
Tgt Ion:240 Resp: 192445

Ion Ratio Lower Upper

240 100

120 10.3 8.0 12.0

236 25.1 20.5 30.7



#77

Benzidine

Concen: 3.132 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF143633.D

Acq: 03 Sep 2025 18:38

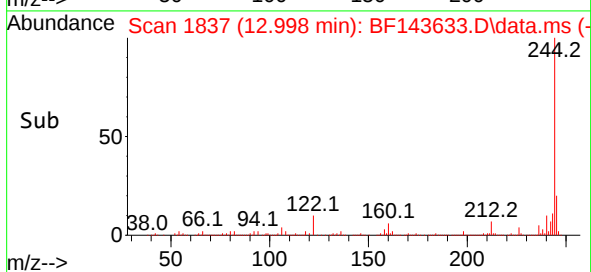
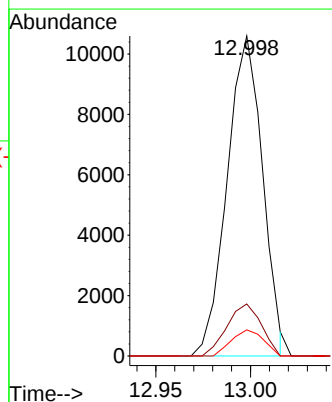
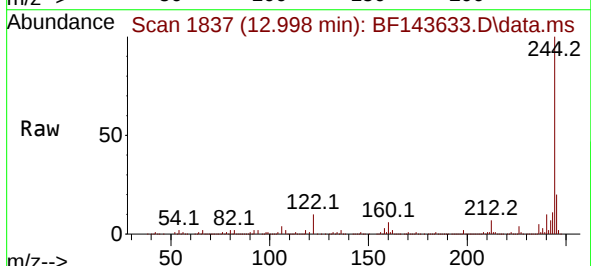
Tgt Ion:184 Resp: 13792

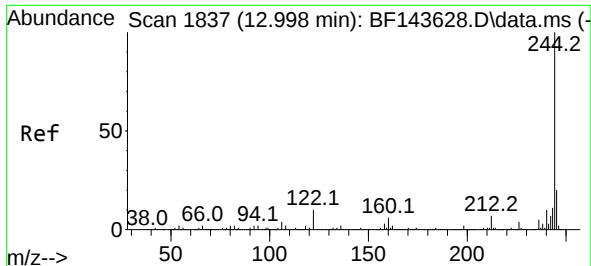
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 8.1 9.0 13.6#

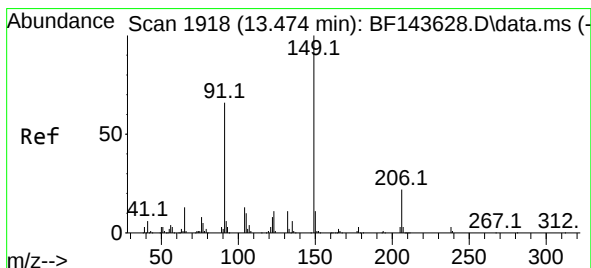
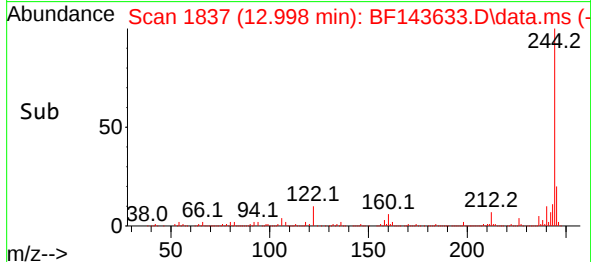
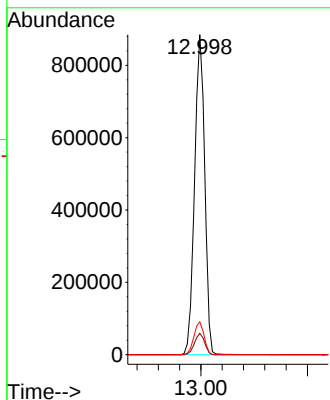
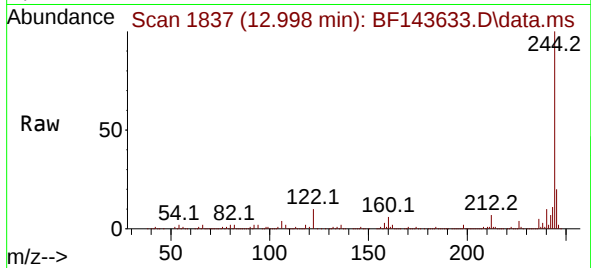




#79
 Terphenyl-d14
 Concen: 100.936 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

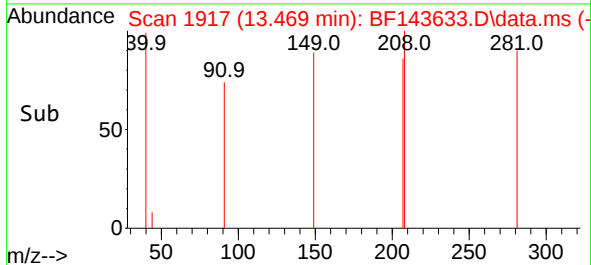
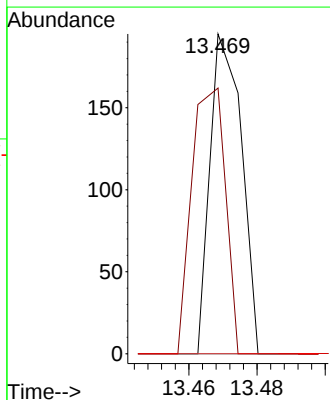
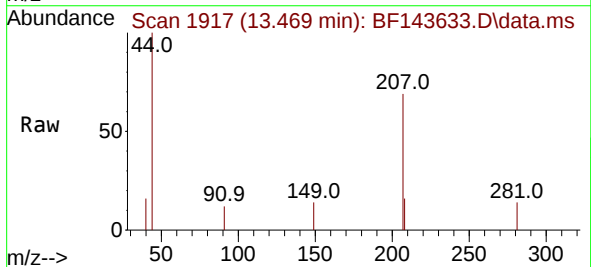
Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL

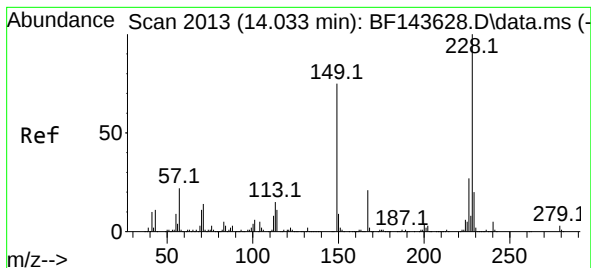
Tgt Ion:244 Resp: 1165783
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.3 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 3.322 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. -0.005 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

Tgt Ion:149 Resp: 125
 Ion Ratio Lower Upper
 149 100
 91 83.1 53.0 79.4#
 206 0.0 17.4 26.2#

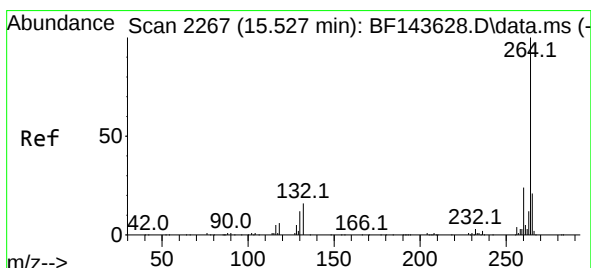
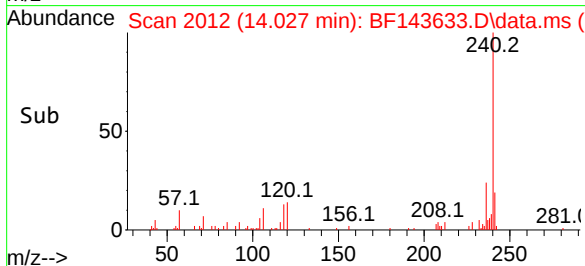
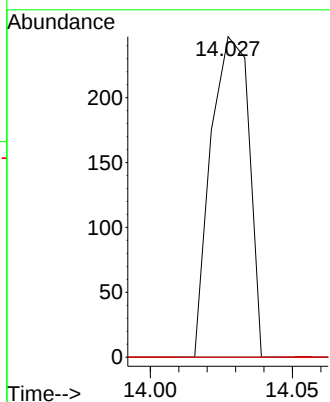
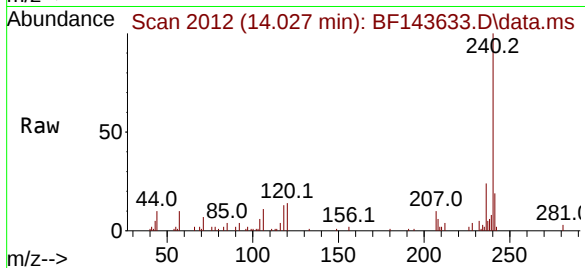




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.929 ng
 RT: 14.027 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

Instrument :
 BNA_F
 ClientSampleId :
 PB169499BL

Tgt Ion:149 Resp: 230
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.1 33.1#
 279 0.0 3.4 5.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF143633.D
 Acq: 03 Sep 2025 18:38

Tgt Ion:264 Resp: 165623
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.9 28.3
 265 21.2 17.1 25.7

