

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143613.D
 Acq On : 28 Aug 2025 16:45
 Operator : RC/JU
 Sample : Q2970-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP11

Quant Time: Aug 28 17:55:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

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

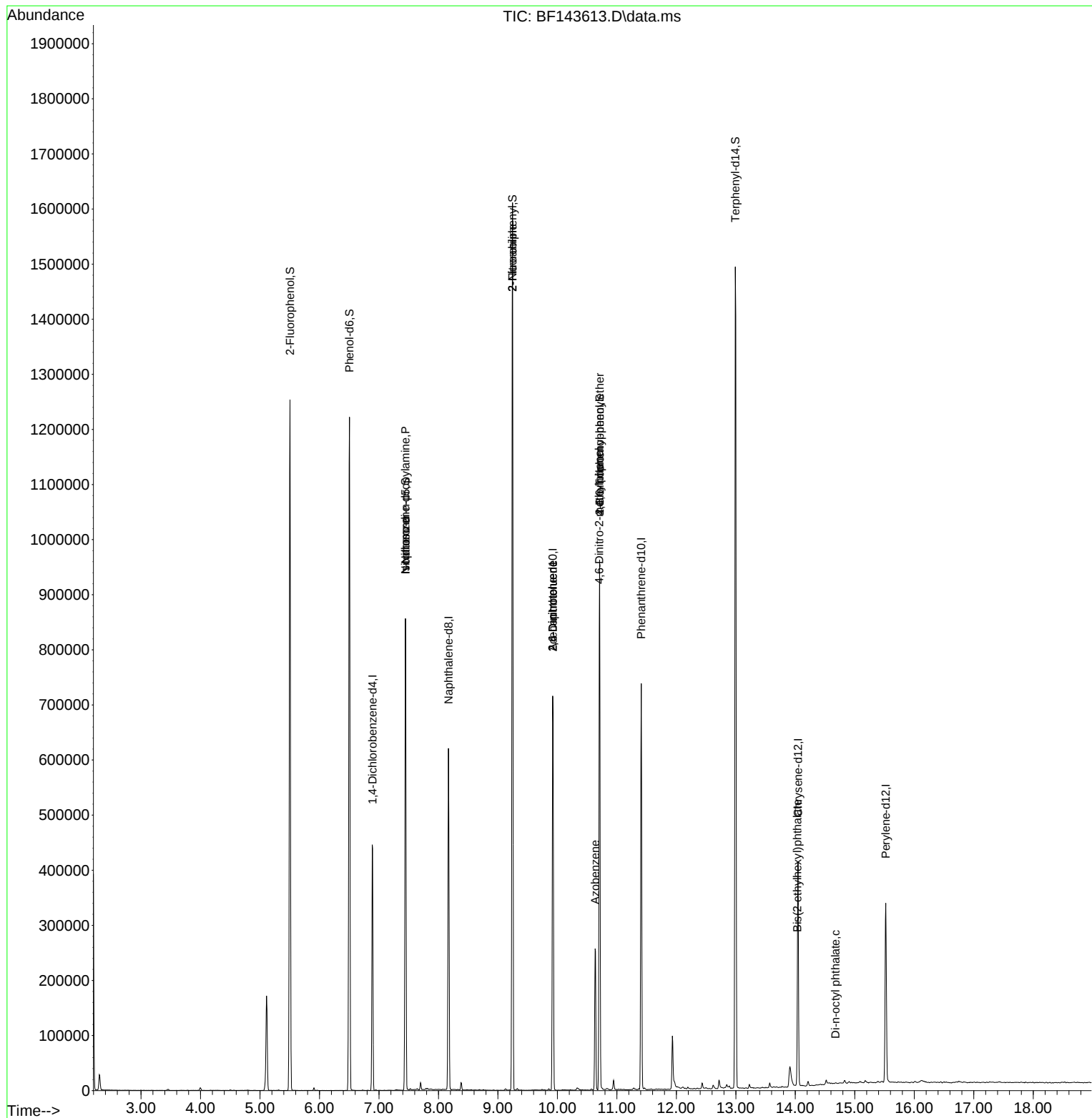
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98379	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	377482	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	218637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	368083	20.000	ng	0.00
76) Chrysene-d12	14.045	240	193513	20.000	ng	0.00
86) Perylene-d12	15.521	264	192358	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	456007	78.890	ng	0.00
7) Phenol-d6	6.504	99	584534	81.647	ng	0.00
23) Nitrobenzene-d5	7.445	82	361207	68.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	162885	95.267	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	708511	55.406	ng	0.00
79) Terphenyl-d14	12.992	244	740637	68.681	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	48007	10.585	ng	# 76
25) Isophorone	7.445	82	358919	29.010	ng	# 66
48) 2-Nitroaniline	9.245	65	1203	4.634	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	27693	15.820	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	27693	13.247	ng	# 22
63) Azobenzene	10.633	77	66255	5.185	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	155	7.830	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10585	2.659	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.033	149	6078	4.195	ng	98
85) Di-n-octyl phthalate	14.674	149	226	5.885	ng	# 1

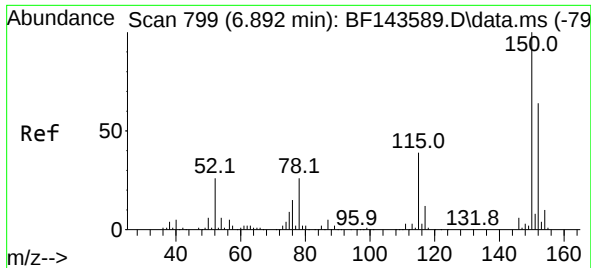
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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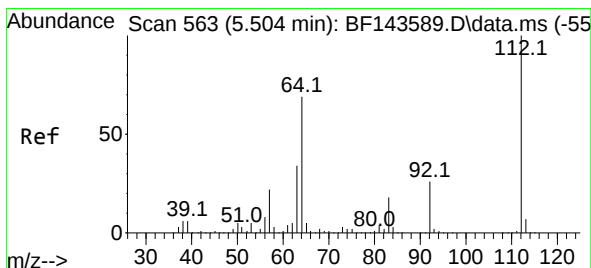
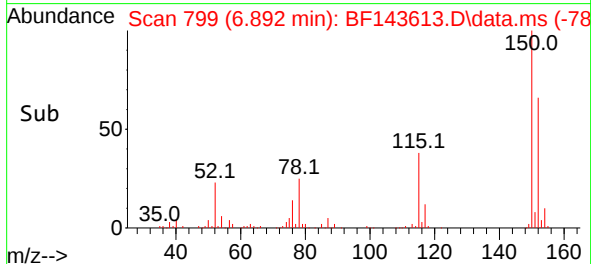
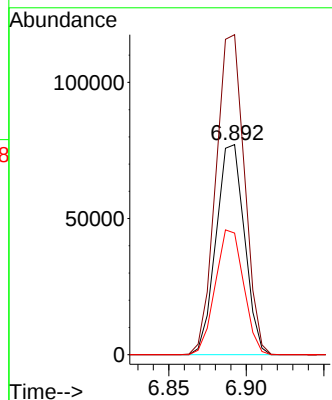
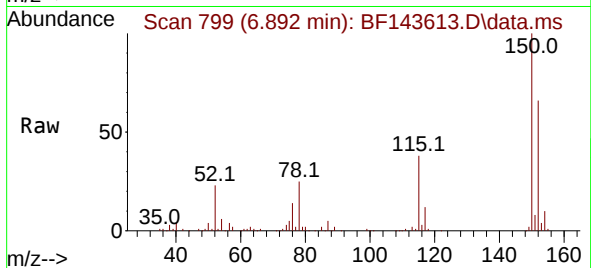




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143613.D
 Acq: 28 Aug 2025 16:45

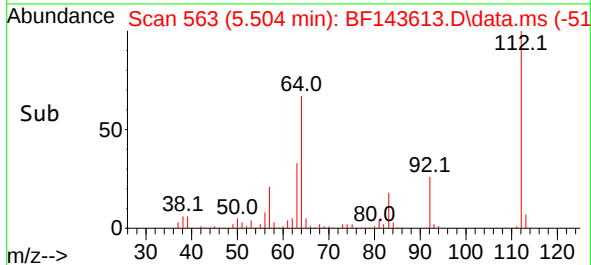
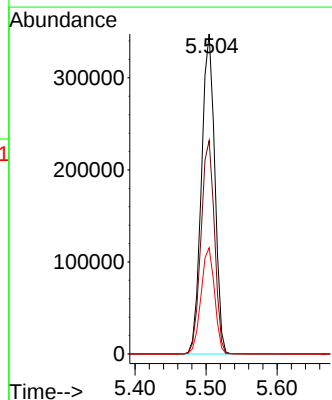
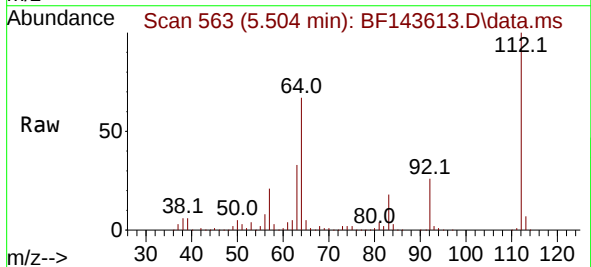
Instrument :
 BNA_F
 ClientSampleId :
 TP11

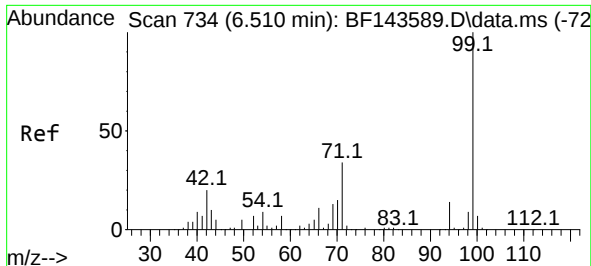
Tgt Ion:152 Resp: 98379
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.9 187.3
 115 57.9 48.0 72.0



#5
 2-Fluorophenol
 Concen: 78.890 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF143613.D
 Acq: 28 Aug 2025 16:45

Tgt Ion:112 Resp: 456007
 Ion Ratio Lower Upper
 112 100
 64 66.7 54.8 82.2
 63 33.2 27.6 41.4

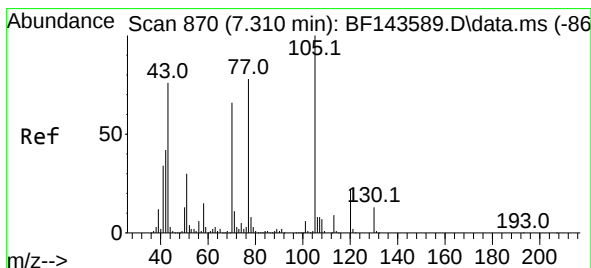
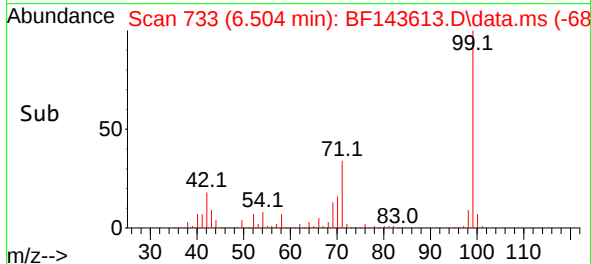
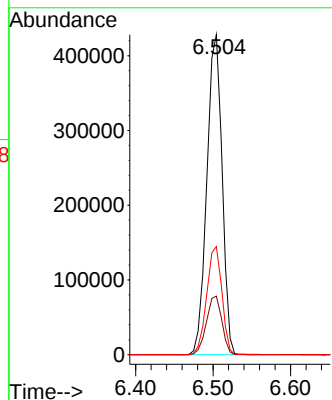
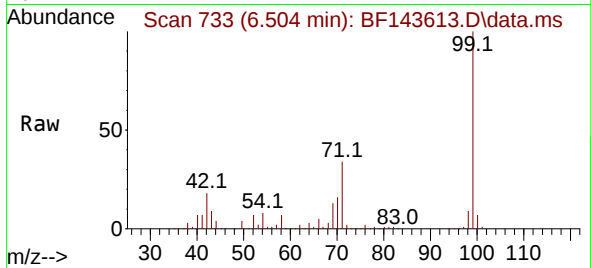




#7
Phenol-d6
Concen: 81.647 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

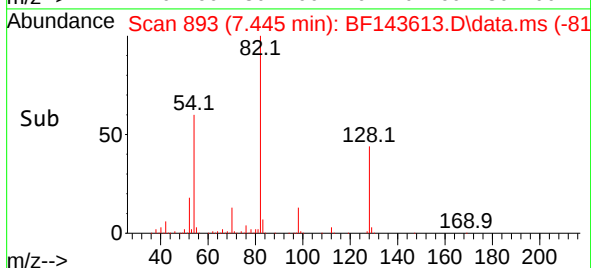
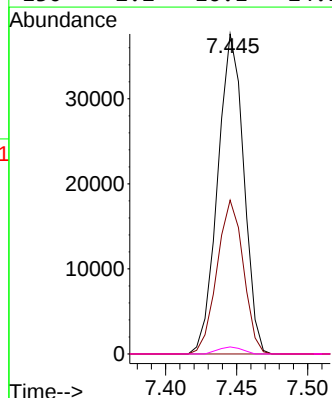
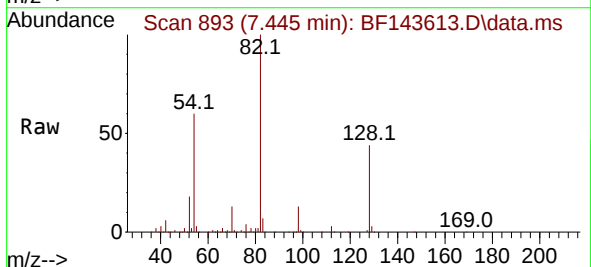
Instrument :
BNA_F
ClientSampleId :
TP11

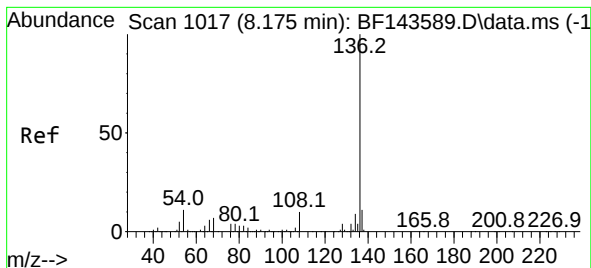
Tgt Ion: 99 Resp: 584534
Ion Ratio Lower Upper
99 100
42 18.3 15.9 23.9
71 33.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.585 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

Tgt Ion: 70 Resp: 48007
Ion Ratio Lower Upper
70 100
42 48.0 50.6 75.8#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

Instrument :

BNA_F

ClientSampleId :

TP11

Tgt Ion:136 Resp: 377482

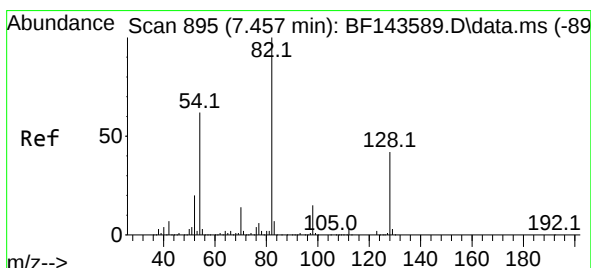
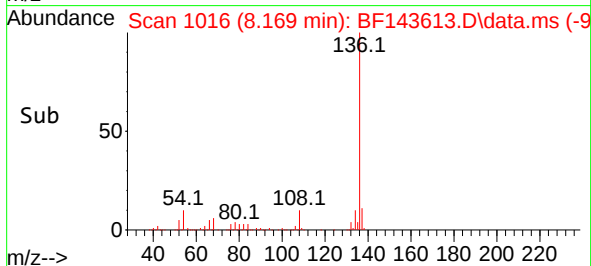
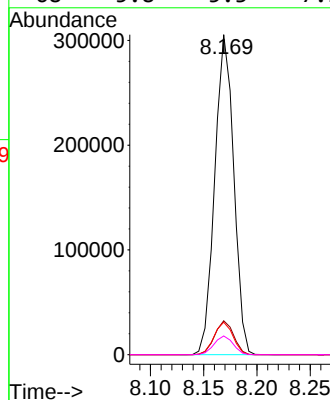
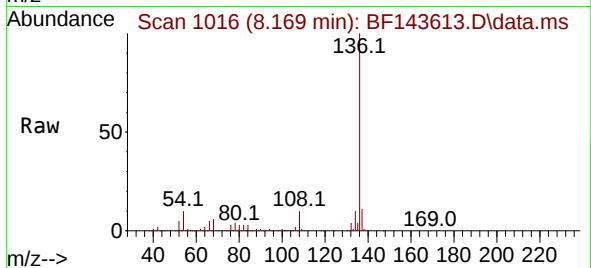
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 10.2 9.0 13.6

68 5.8 5.3 7.9



#23

Nitrobenzene-d5

Concen: 68.323 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

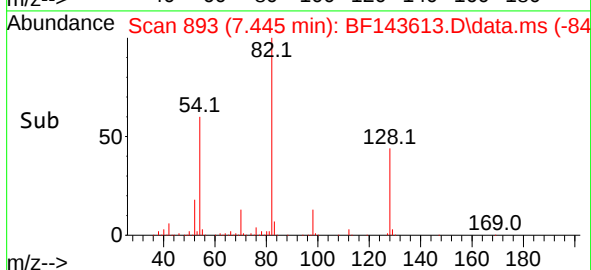
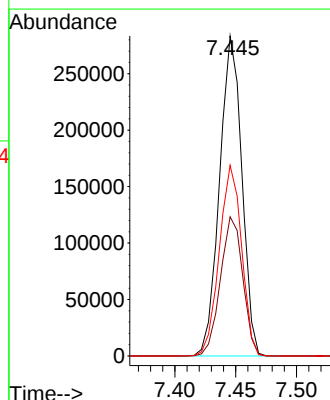
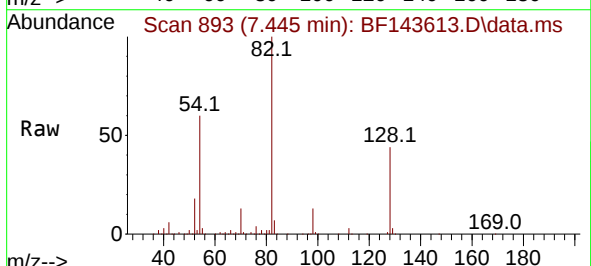
Tgt Ion: 82 Resp: 361207

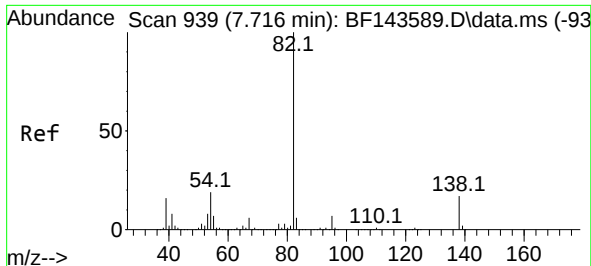
Ion Ratio Lower Upper

82 100

128 43.5 33.4 50.2

54 59.6 49.3 73.9

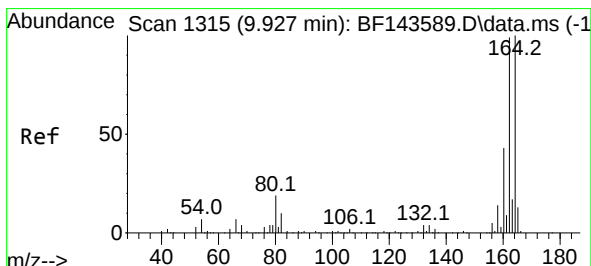
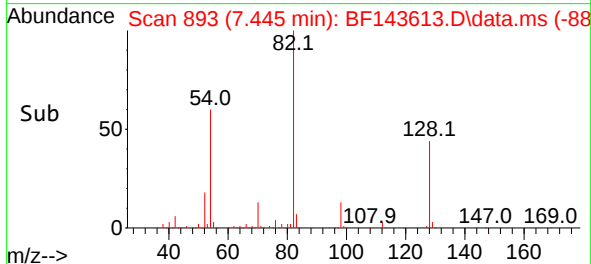
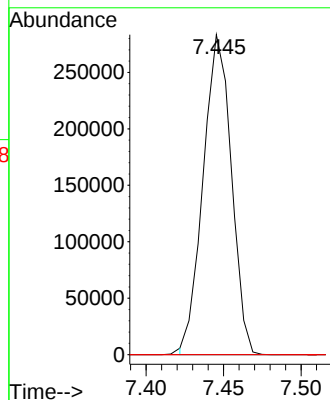
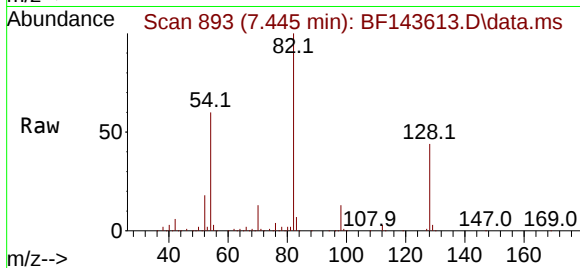




#25
Isophorone
Concen: 29.010 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

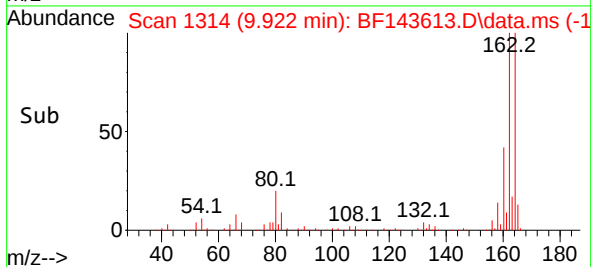
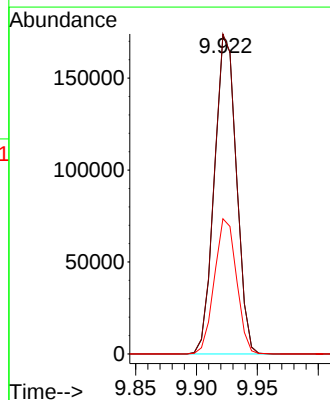
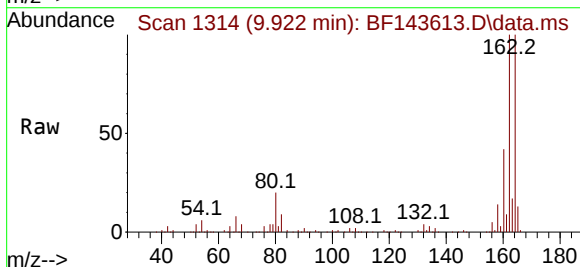
Instrument :
BNA_F
ClientSampleId :
TP11

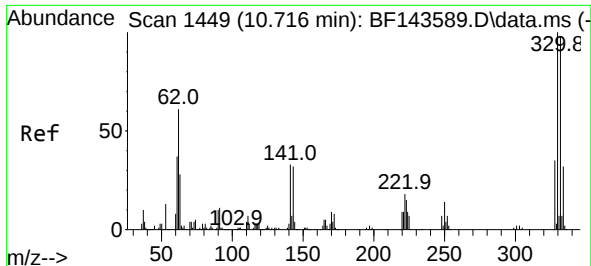
Tgt Ion: 82 Resp: 358919
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

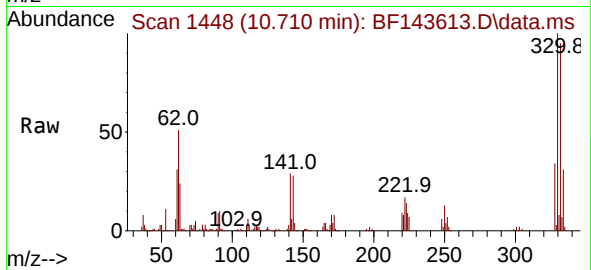
Tgt Ion:164 Resp: 218637
Ion Ratio Lower Upper
164 100
162 100.4 79.5 119.3
160 42.4 34.2 51.4



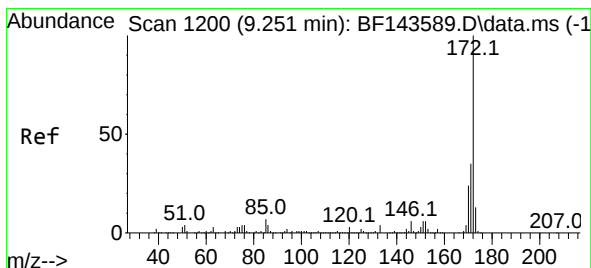
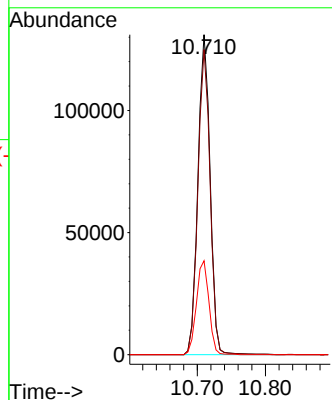
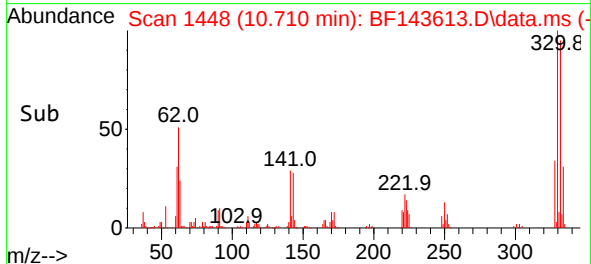


#42
2,4,6-Tribromophenol
Concen: 95.267 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

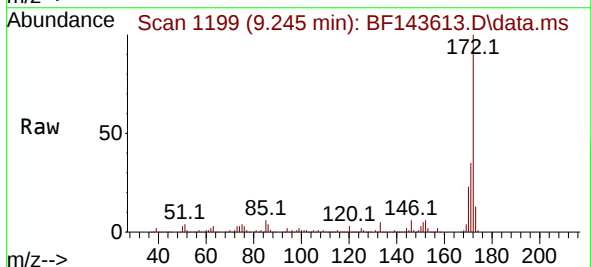
Instrument :
BNA_F
ClientSampleId :
TP11



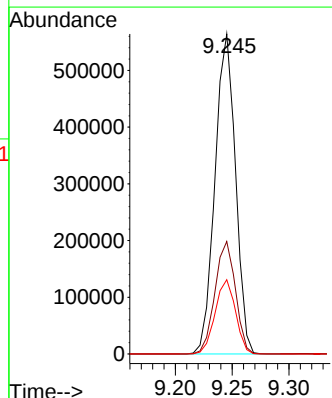
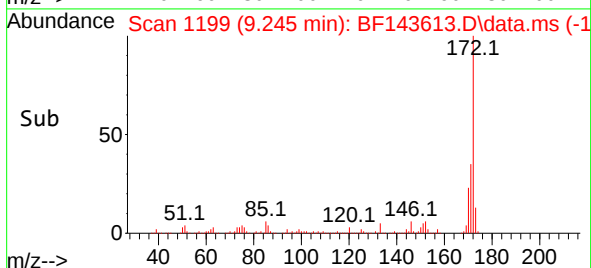
Tgt Ion:330 Resp: 162885
Ion Ratio Lower Upper
330 100
332 95.4 78.2 117.4
141 30.0 25.4 38.0

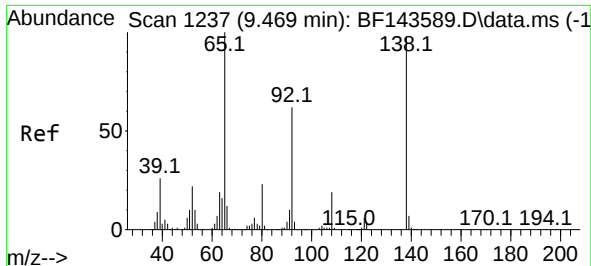


#45
2-Fluorobiphenyl
Concen: 55.406 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45



Tgt Ion:172 Resp: 708511
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.2 19.0 28.4





#48

2-Nitroaniline

Concen: 4.634 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.224 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

Instrument :

BNA_F

ClientSampleId :

TP11

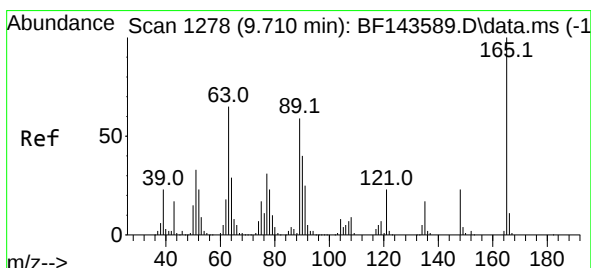
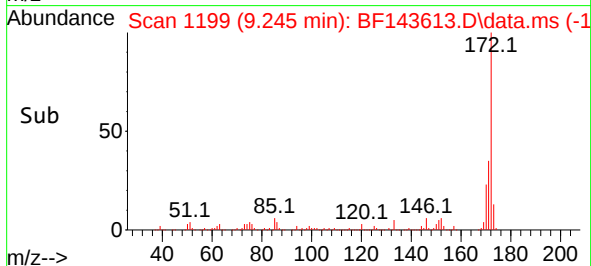
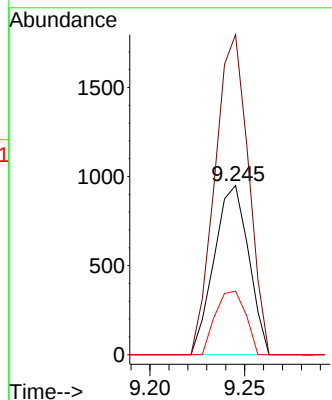
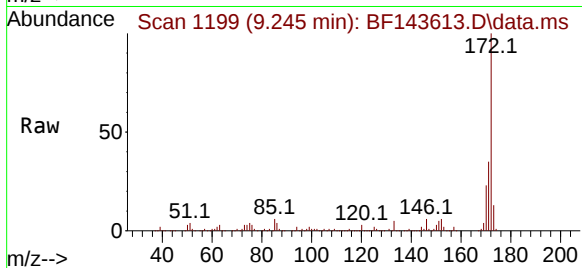
Tgt Ion: 65 Resp: 1203

Ion Ratio Lower Upper

65 100

92 189.3 49.6 74.4#

138 37.5 78.6 118.0#



#51

2,6-Dinitrotoluene

Concen: 15.820 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.212 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

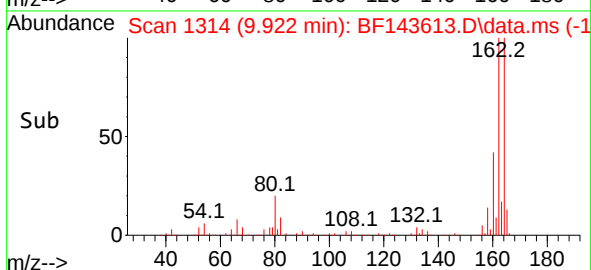
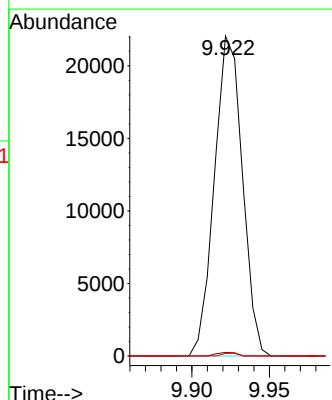
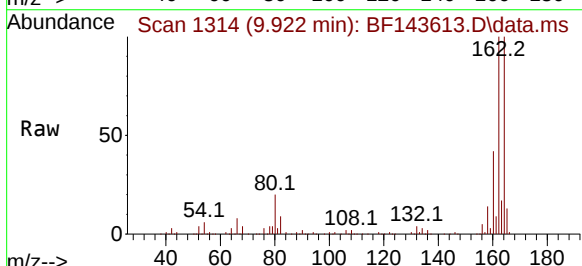
Tgt Ion:165 Resp: 27693

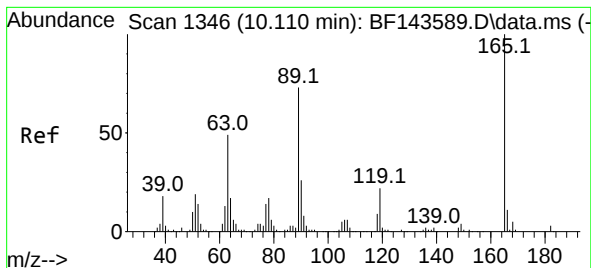
Ion Ratio Lower Upper

165 100

63 1.1 51.8 77.6#

89 0.8 47.4 71.2#

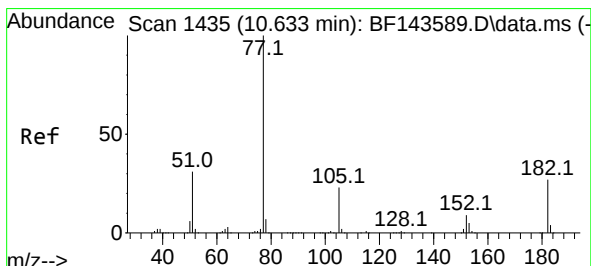
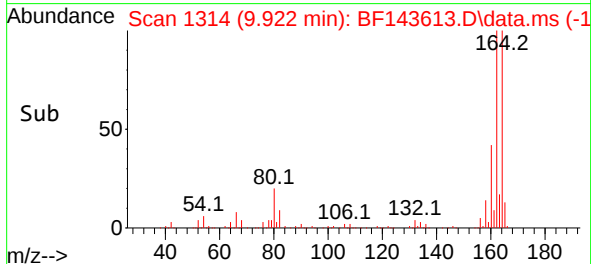
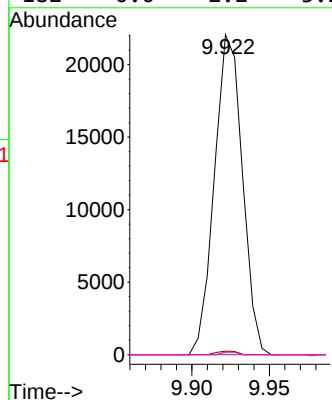
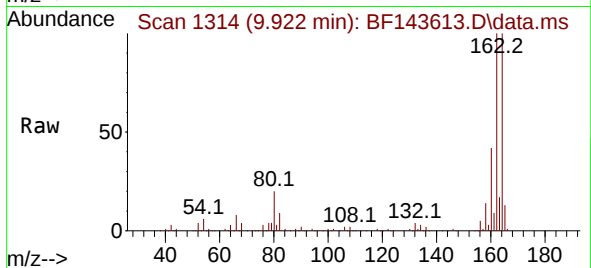




#57
2,4-Dinitrotoluene
Concen: 13.247 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

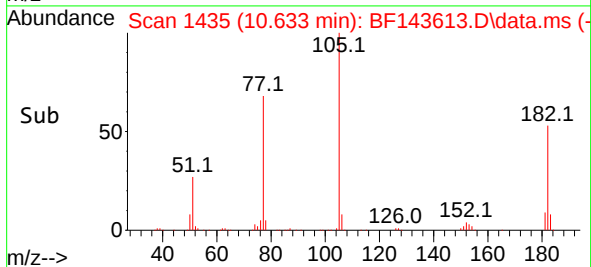
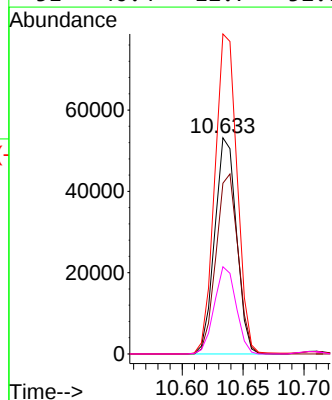
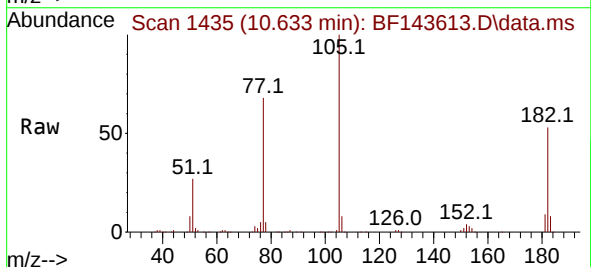
Instrument :
BNA_F
ClientSampleId :
TP11

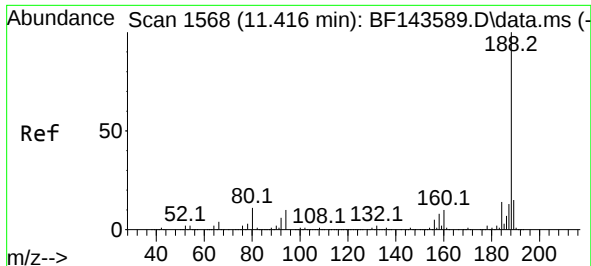
Tgt Ion:165 Resp: 27693
Ion Ratio Lower Upper
165 100
63 1.1 39.5 59.3#
89 0.8 58.1 87.1#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.185 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

Tgt Ion: 77 Resp: 66255
Ion Ratio Lower Upper
77 100
182 79.0 6.3 46.3#
105 148.1 2.4 42.4#
51 40.4 12.7 52.7

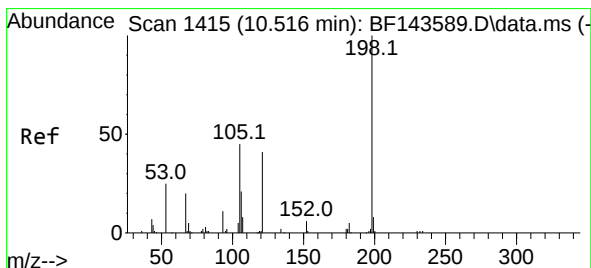
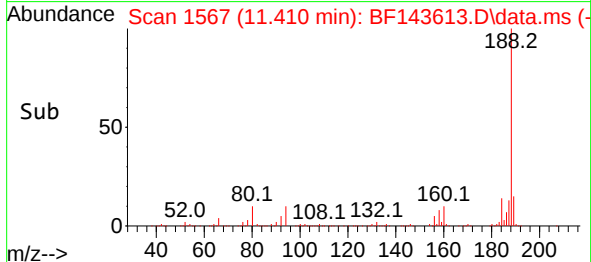
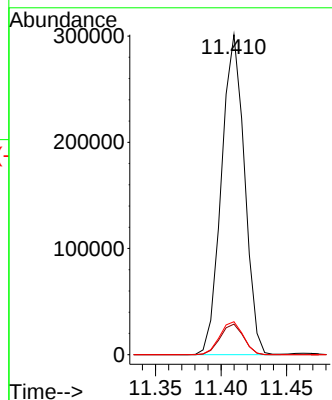
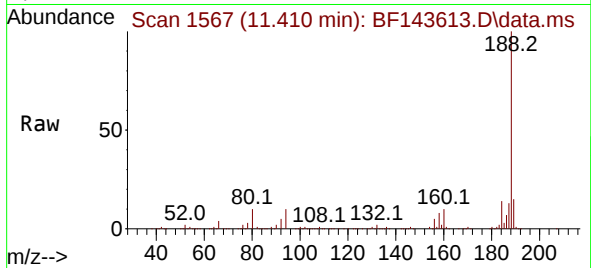




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

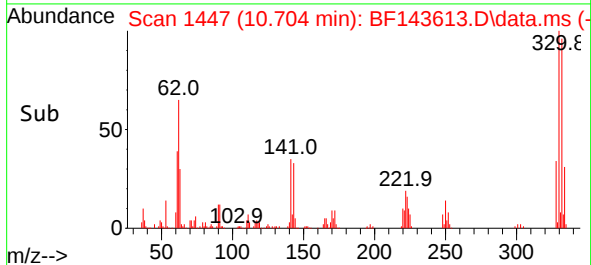
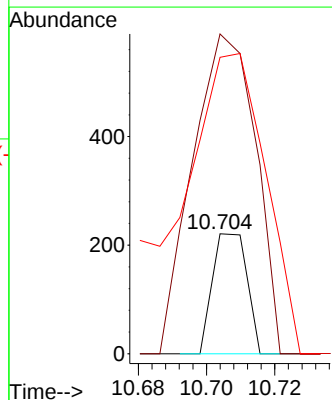
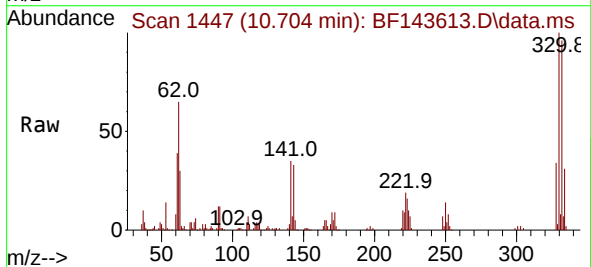
Instrument :
BNA_F
ClientSampleId :
TP11

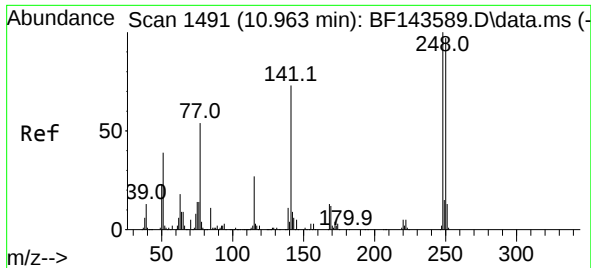
Tgt Ion:188 Resp: 368083
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.4
80 10.3 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 7.830 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.188 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

Tgt Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 266.5 41.5 81.5#
105 247.1 28.2 68.2#

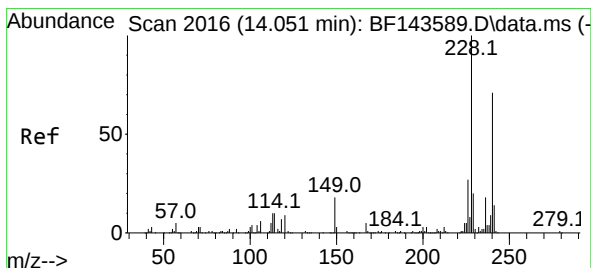
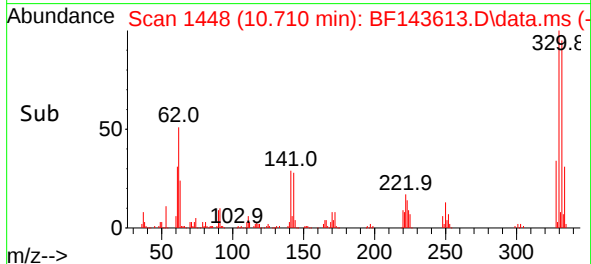
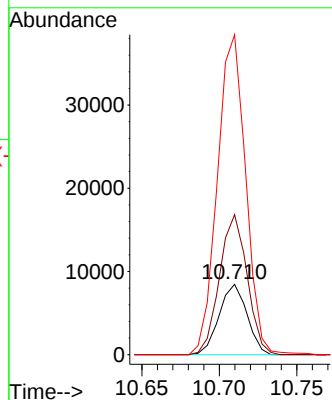
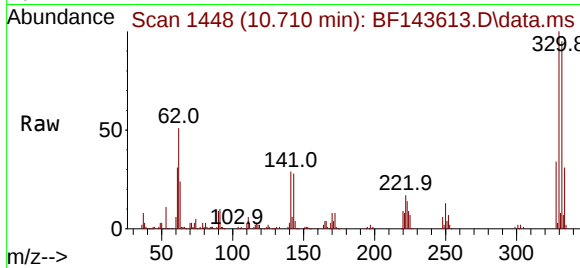




#67
4-Bromophenyl-phenylether
Concen: 2.659 ng
RT: 10.710 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

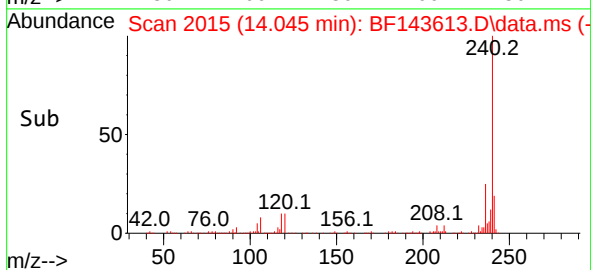
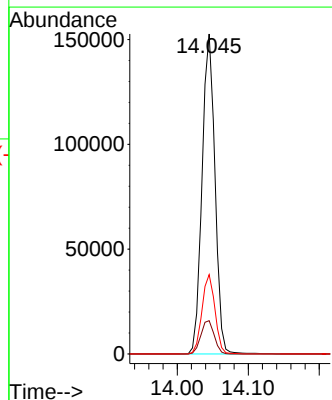
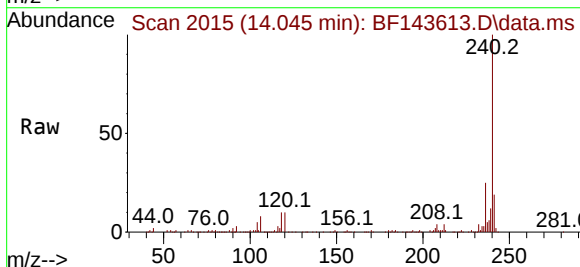
Instrument :
BNA_F
ClientSampleId :
TP11

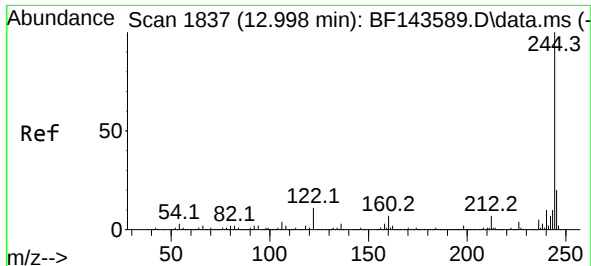
Tgt Ion:248 Resp: 10585
Ion Ratio Lower Upper
248 100
250 199.0 77.8 116.6#
141 454.9 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143613.D
Acq: 28 Aug 2025 16:45

Tgt Ion:240 Resp: 193513
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 24.8 20.2 30.2





#79

Terphenyl-d14

Concen: 68.681 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

Instrument :

BNA_F

ClientSampleId :

TP11

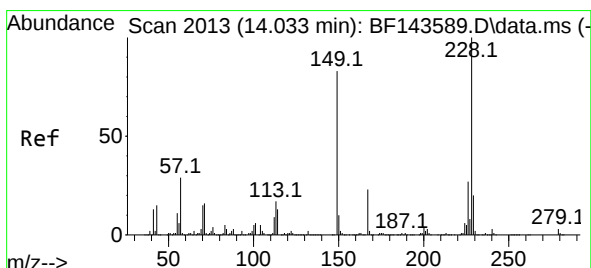
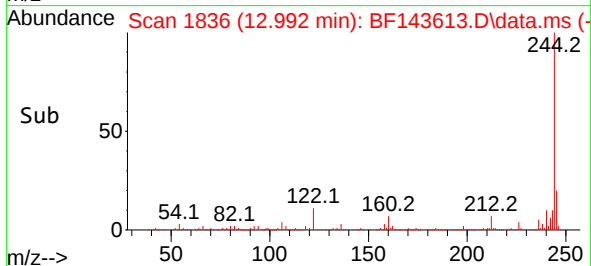
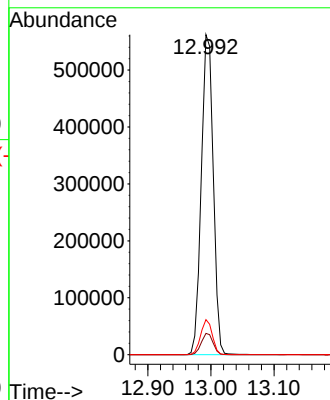
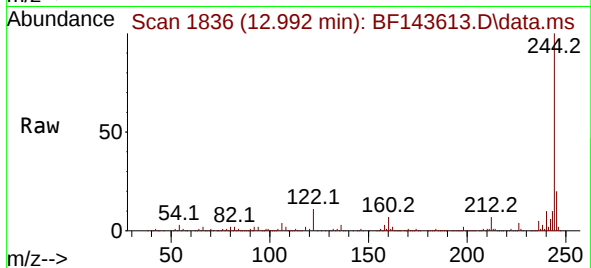
Tgt Ion:244 Resp: 740637

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 11.0 8.8 13.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.195 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

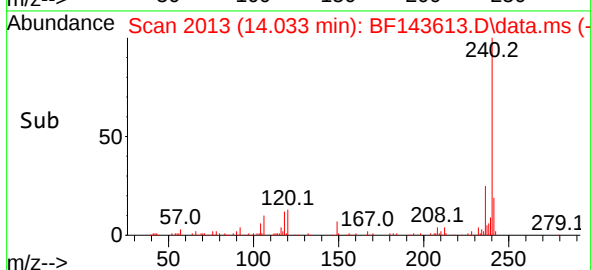
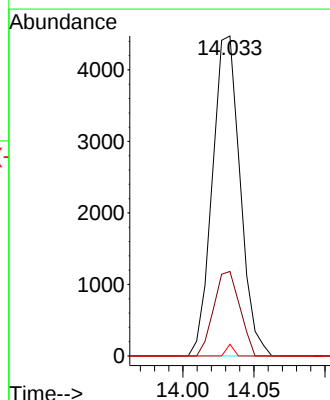
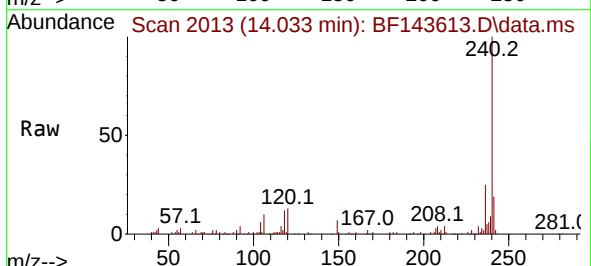
Tgt Ion:149 Resp: 6078

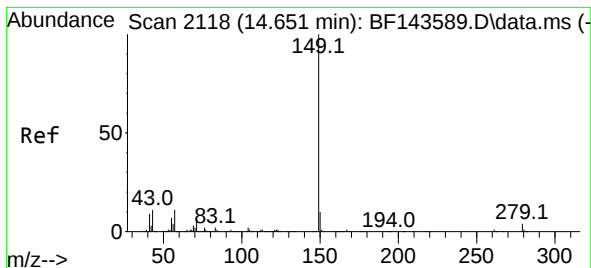
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

279 3.6 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 5.885 ng

RT: 14.674 min Scan# 2118

Delta R.T. 0.023 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

Instrument :

BNA_F

ClientSampleId :

TP11

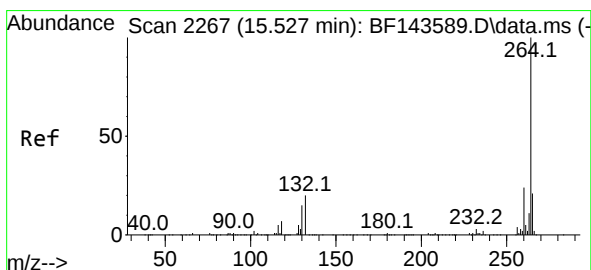
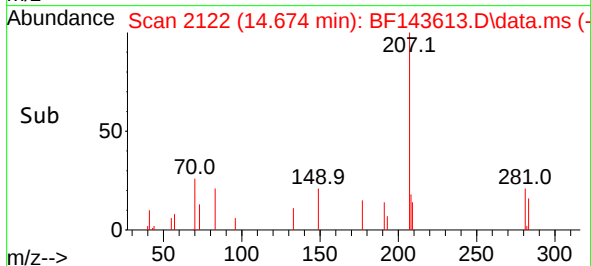
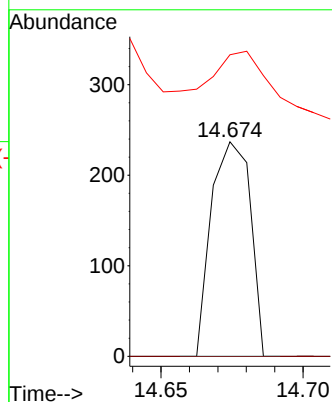
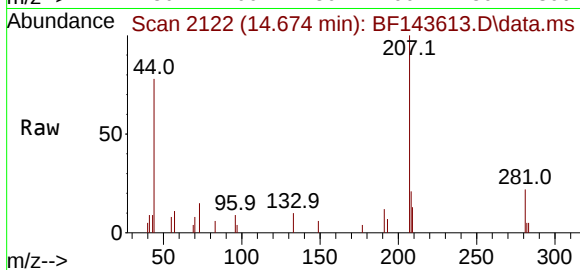
Tgt Ion:149 Resp: 226

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 55.8 9.5 14.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF143613.D

Acq: 28 Aug 2025 16:45

Tgt Ion:264 Resp: 192358

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 21.5 17.0 25.4

