

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
 Data File : BF143911.D
 Acq On : 09 Oct 2025 16:15
 Operator : RC/JU
 Sample : PB170010TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170010TB

Quant Time: Oct 09 16:44:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

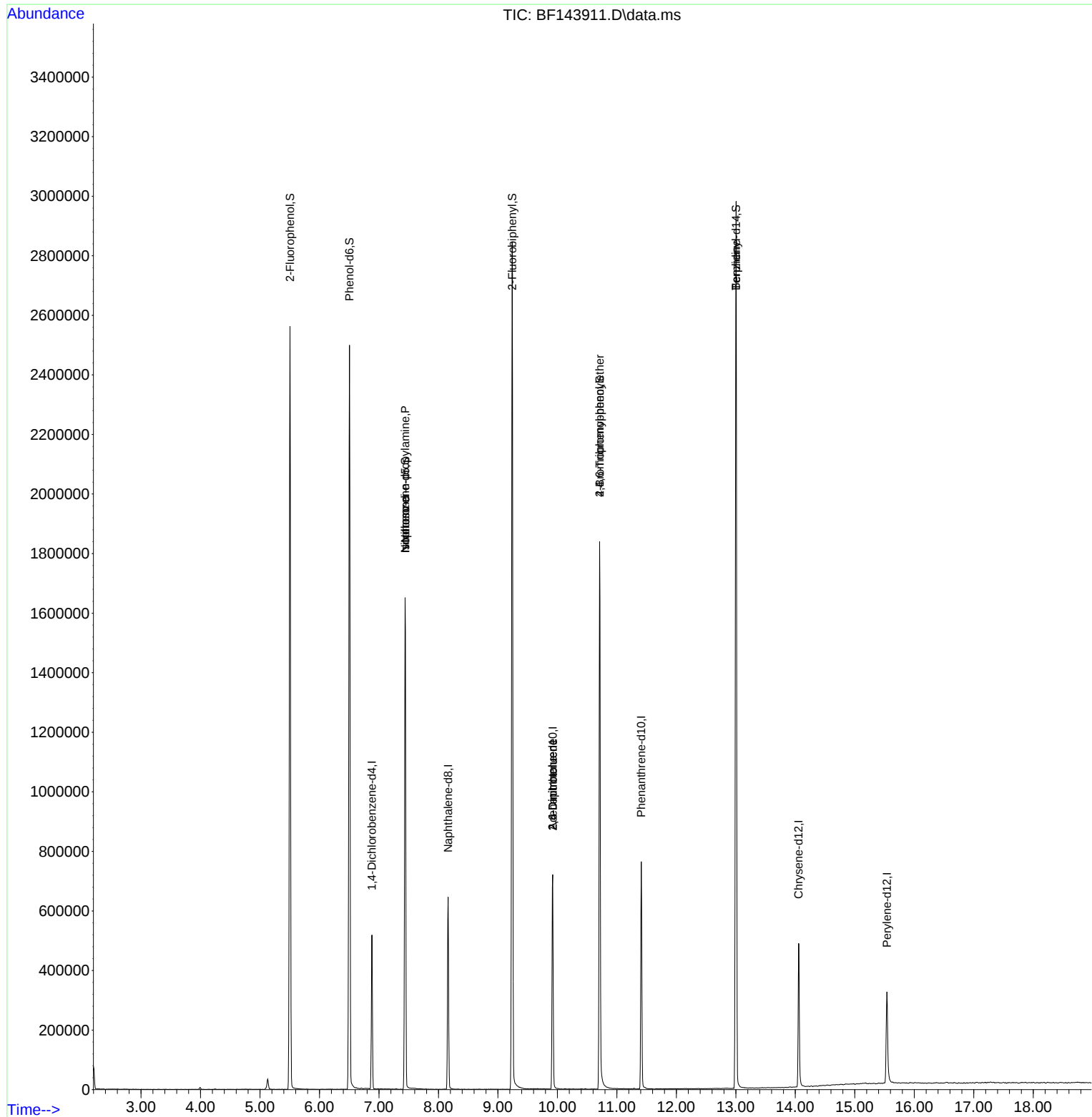
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	104837	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	415035	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231455	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	420352	20.000	ng	0.00
76) Chrysene-d12	14.057	240	260851	20.000	ng	-0.01
86) Perylene-d12	15.539	264	232816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	999938	151.463	ng	0.00
7) Phenol-d6	6.504	99	1170544	148.751	ng	-0.01
23) Nitrobenzene-d5	7.440	82	741006	108.472	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	380513	165.057	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1446583	99.171	ng	-0.01
79) Terphenyl-d14	13.004	244	1660444	108.791	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	110139	20.447	ng	# 77
25) Isophorone	7.440	82	630615	43.780	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28751	10.549	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	28751	7.753	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	21867	4.707	ng	# 1
77) Benzidine	13.004	184	18384	2.030	ng	# 95

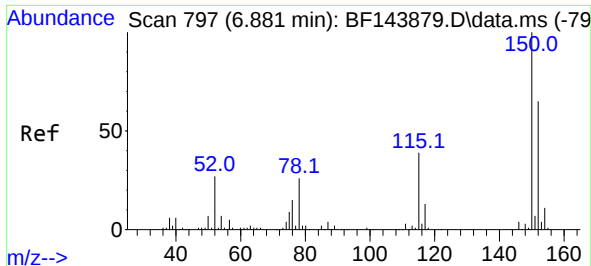
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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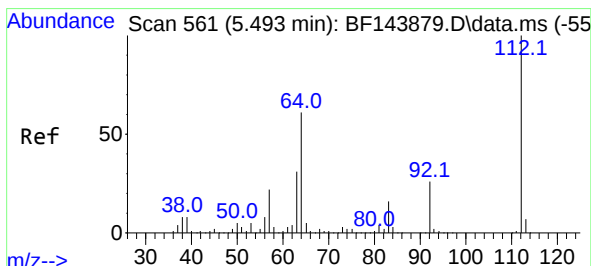
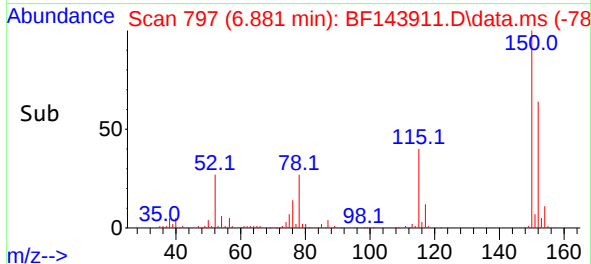
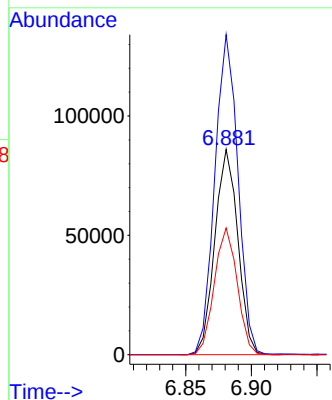
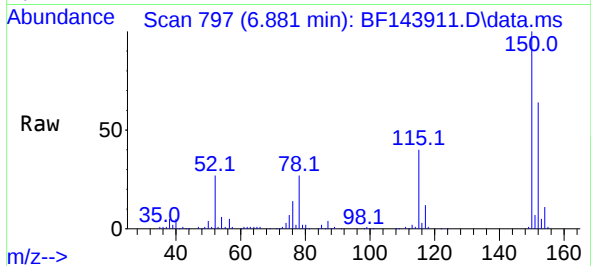




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

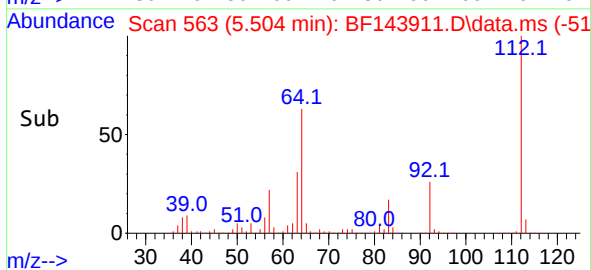
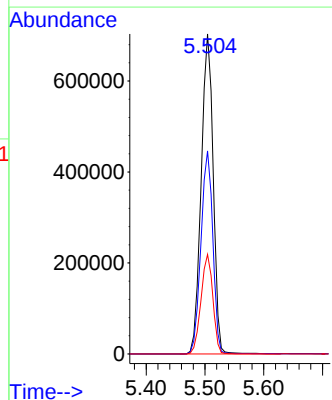
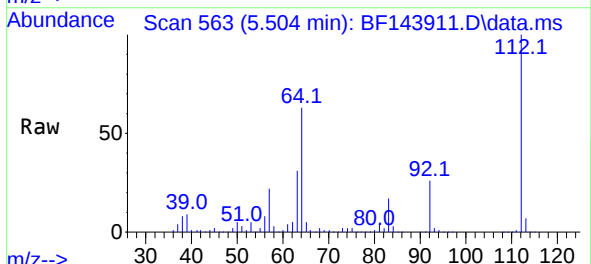
Instrument :
BNA_F
ClientSampleId :
PB170010TB

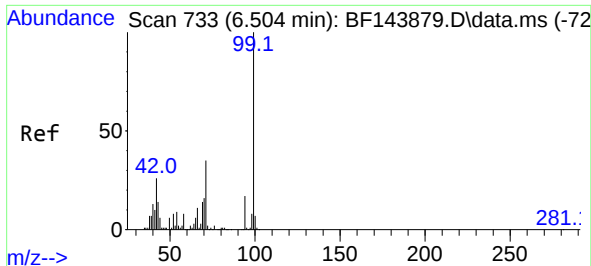
Tgt Ion:152 Resp: 104837
Ion Ratio Lower Upper
152 100
150 155.9 124.4 186.6
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 151.463 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:112 Resp: 999938
Ion Ratio Lower Upper
112 100
64 63.5 49.1 73.7
63 31.1 24.5 36.7

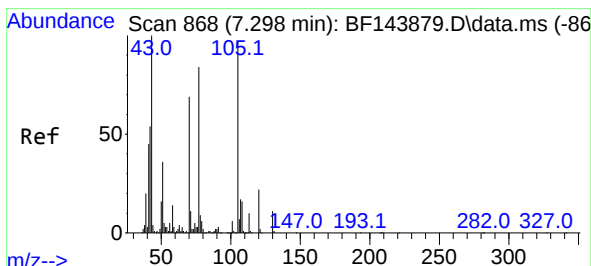
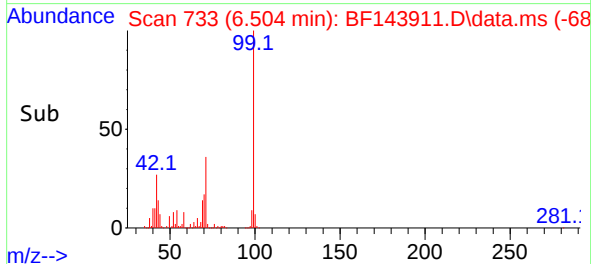
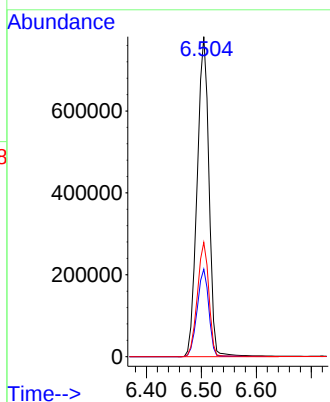
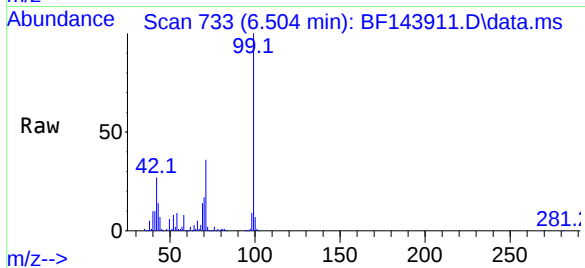




#7
Phenol-d6
Concen: 148.751 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

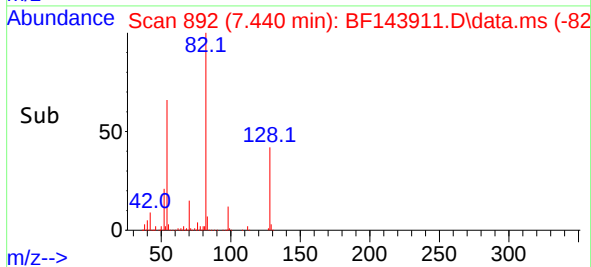
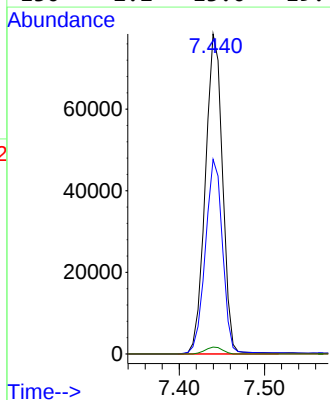
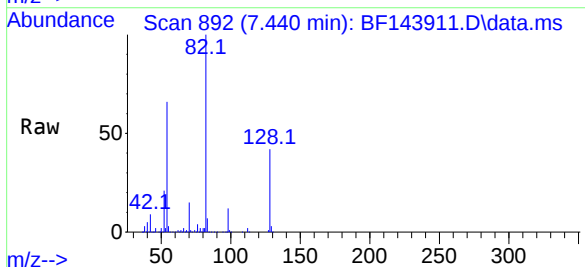
Instrument :
BNA_F
ClientSampleId :
PB170010TB

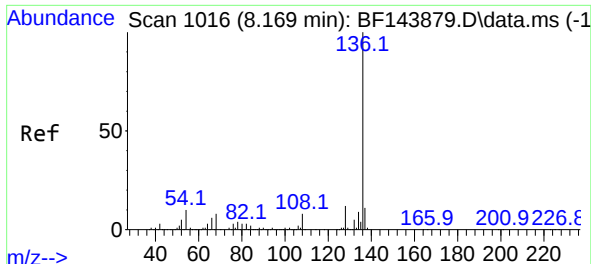
Tgt Ion: 99 Resp: 1170544
Ion Ratio Lower Upper
99 100
42 27.4 21.0 31.4
71 35.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.447 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion: 70 Resp: 110139
Ion Ratio Lower Upper
70 100
42 60.8 62.8 94.2#
101 0.0 6.7 10.1#
130 2.2 13.0 19.4#



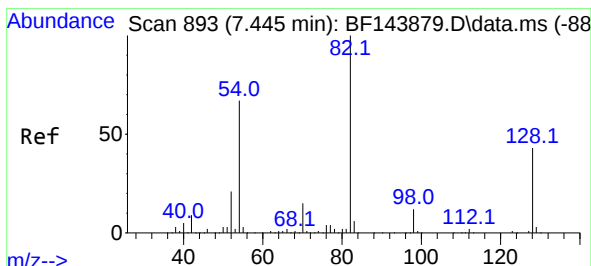
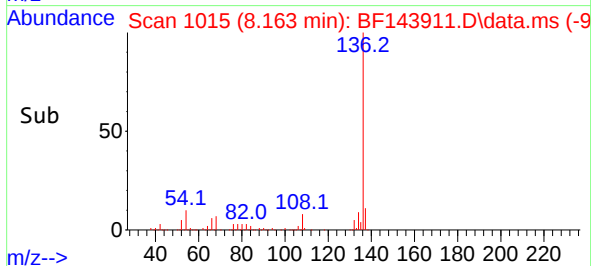
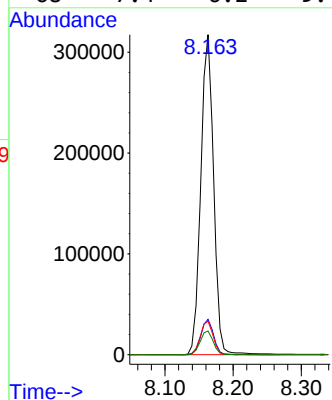
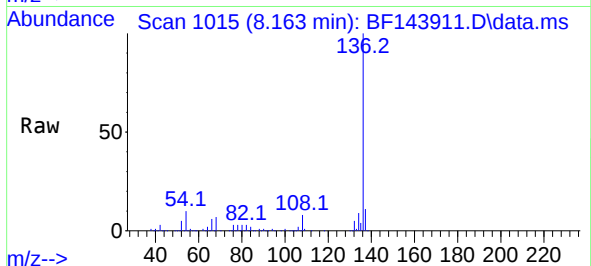


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB170010TB

Tgt Ion:136 Resp: 415035

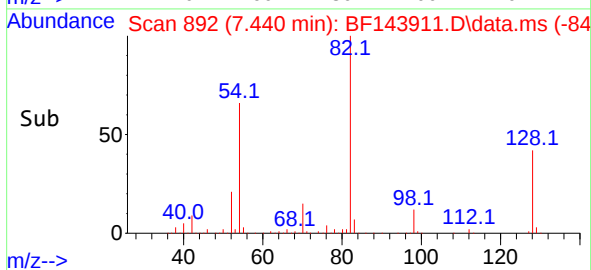
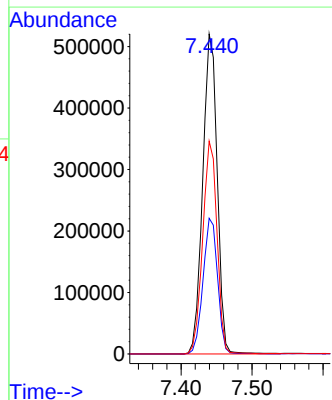
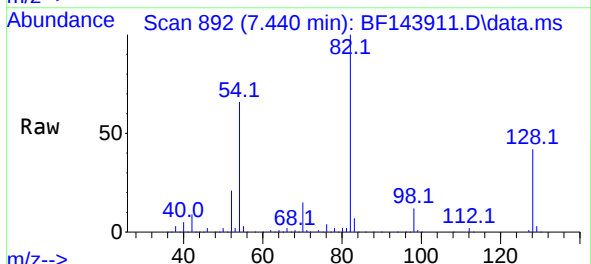
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.4	8.2	12.4
68	7.4	6.2	9.4

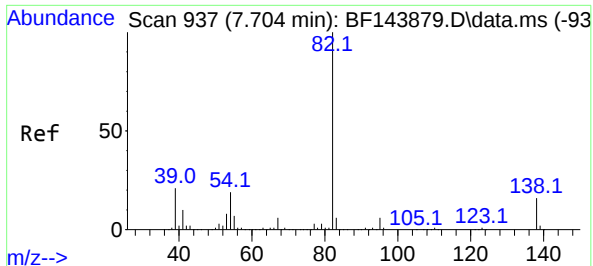


#23
Nitrobenzene-d5
Concen: 108.472 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion: 82 Resp: 741006

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	66.5	53.2	79.8

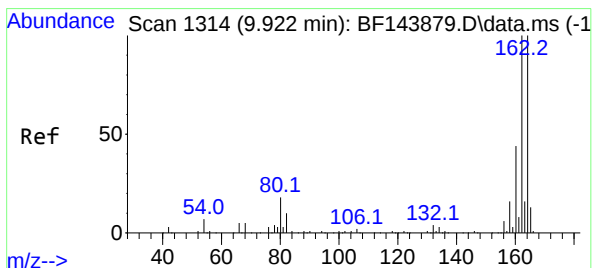
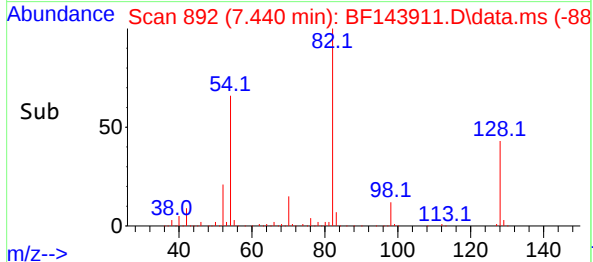
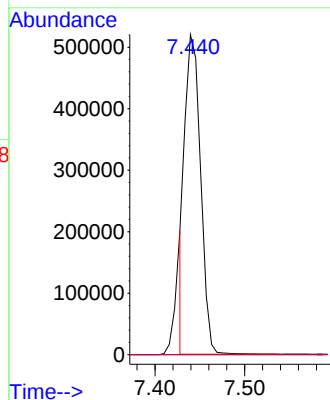
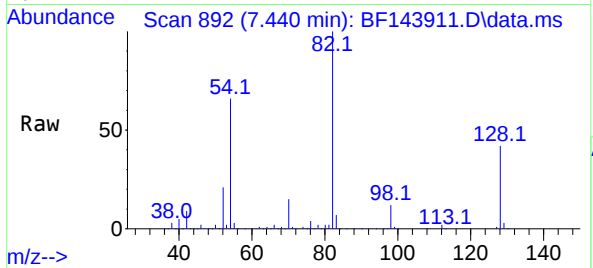




#25
Isophorone
Concen: 43.780 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

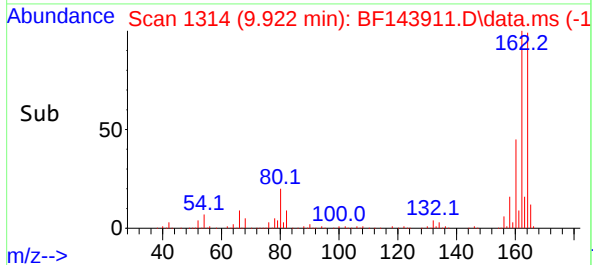
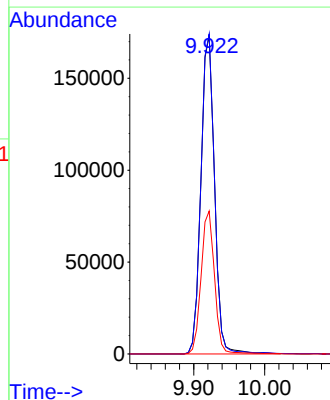
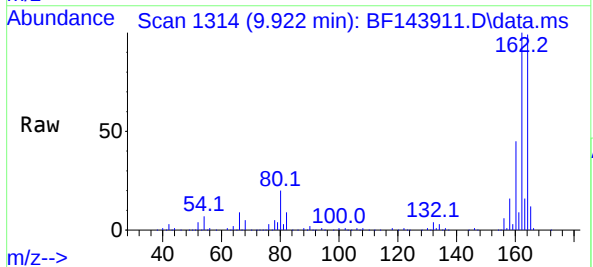
Instrument :
BNA_F
ClientSampleId :
PB170010TB

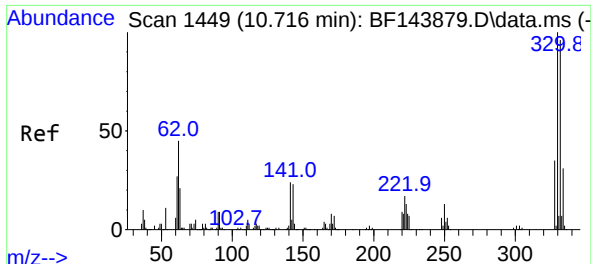
Tgt Ion: 82 Resp: 630615
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:164 Resp: 231455
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 165.057 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143911.D

Acq: 09 Oct 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB170010TB

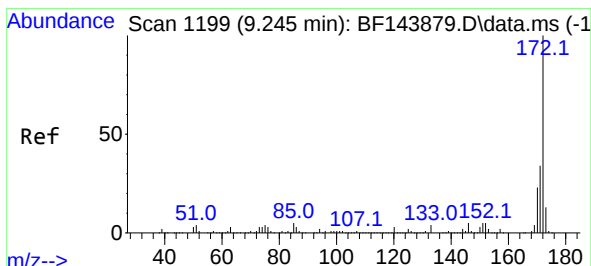
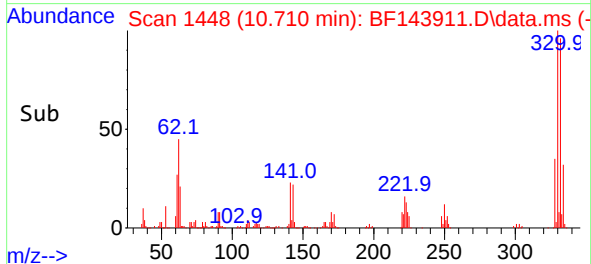
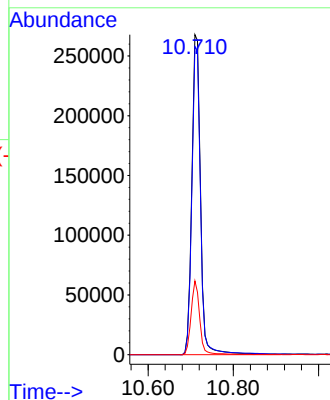
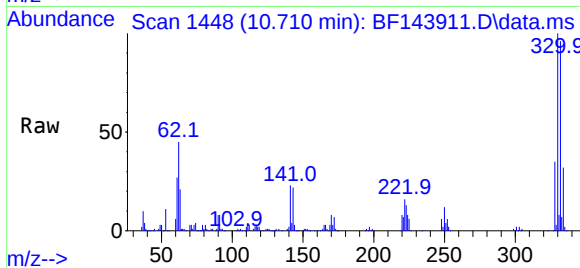
Tgt Ion:330 Resp: 380513

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

141 22.9 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 99.171 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143911.D

Acq: 09 Oct 2025 16:15

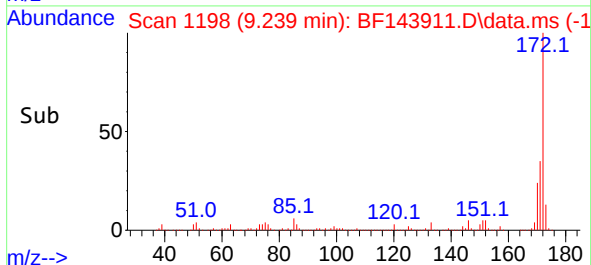
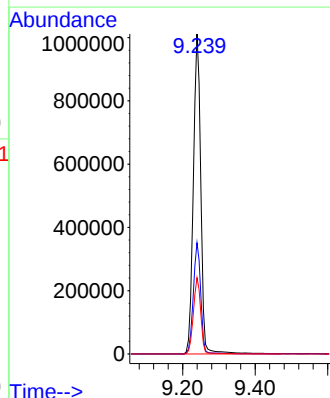
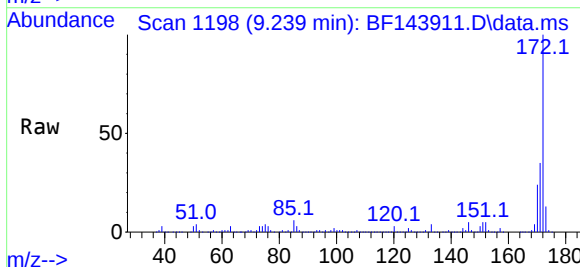
Tgt Ion:172 Resp: 1446583

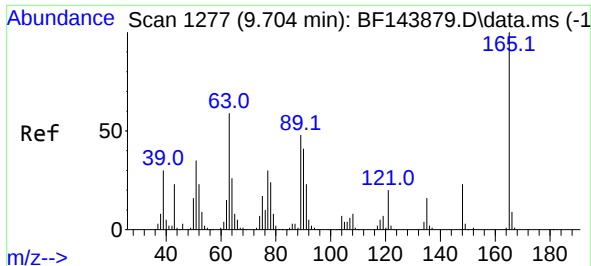
Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.9 18.6 28.0

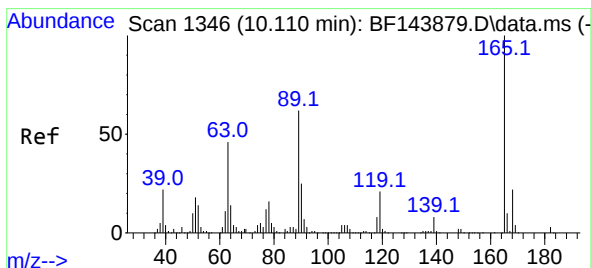
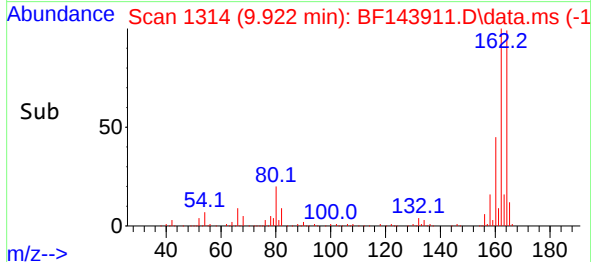
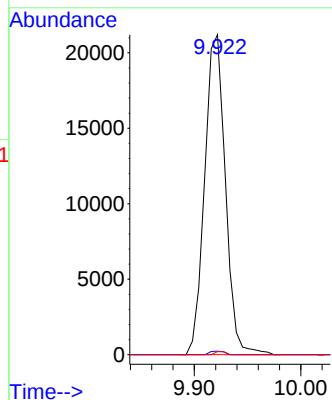
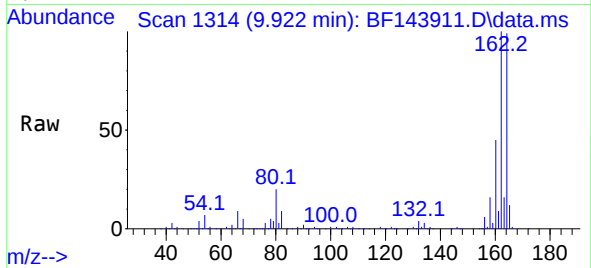




#51
2,6-Dinitrotoluene
Concen: 10.549 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

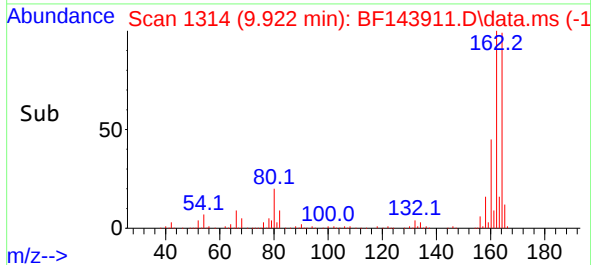
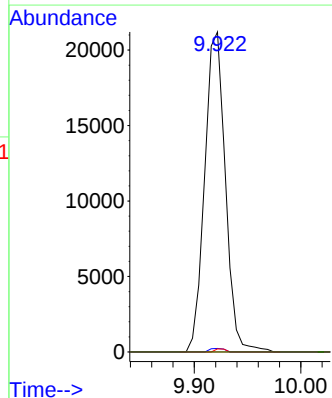
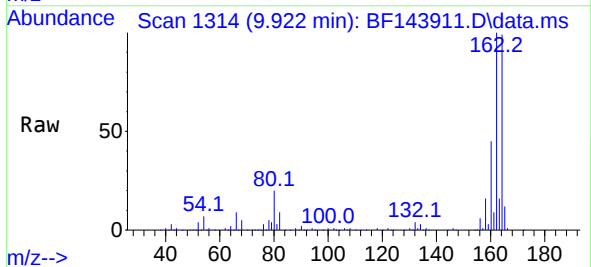
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BNA_F
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PB170010TB

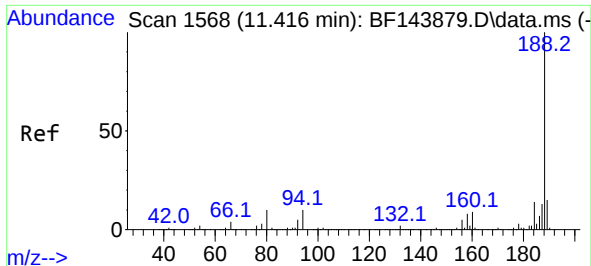
Tgt Ion:165 Resp: 28751
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 0.9 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.753 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:165 Resp: 28751
Ion Ratio Lower Upper
165 100
63 1.1 37.2 55.8#
89 0.9 49.4 74.2#
182 0.0 2.1 3.1#

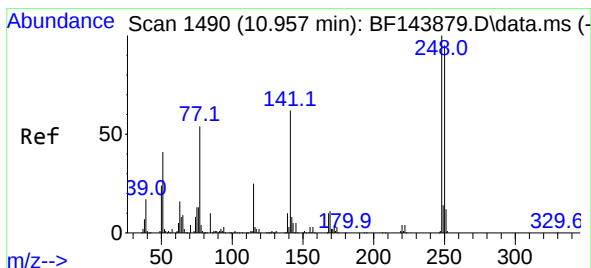
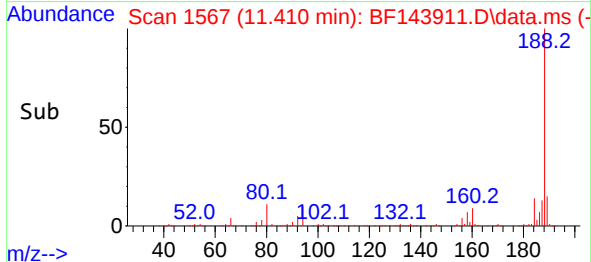
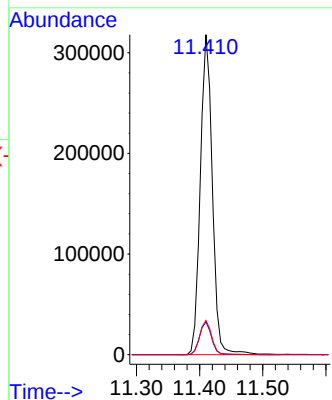
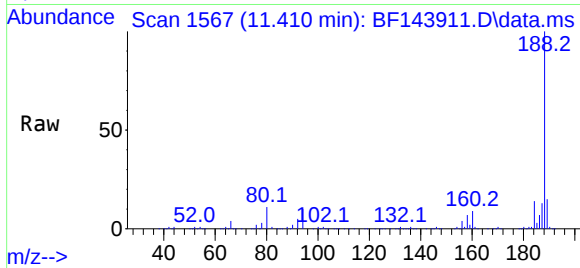




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

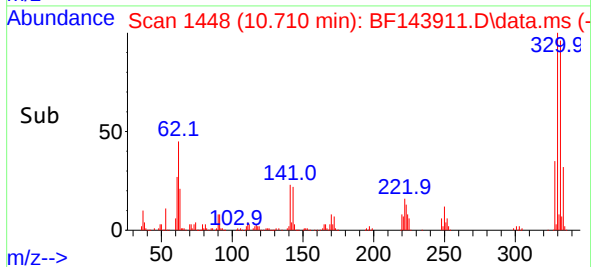
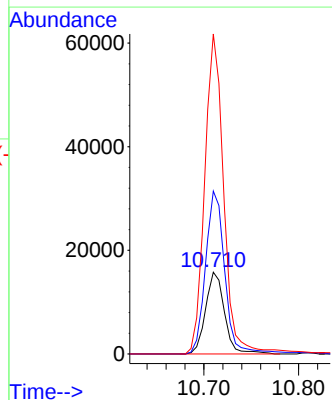
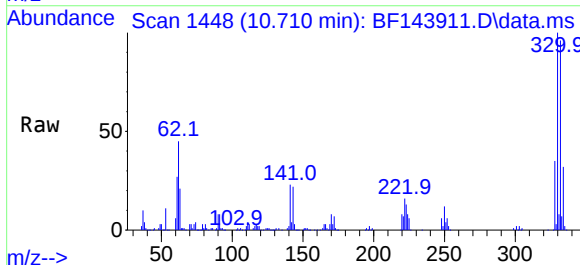
Instrument :
BNA_F
ClientSampleId :
PB170010TB

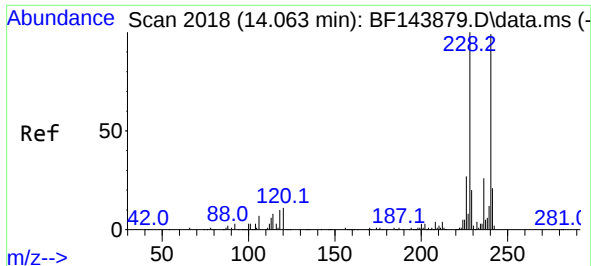
Tgt Ion:188 Resp: 420352
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 10.7 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.707 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:248 Resp: 21867
Ion Ratio Lower Upper
248 100
250 199.3 76.3 114.5#
141 391.4 49.7 74.5#

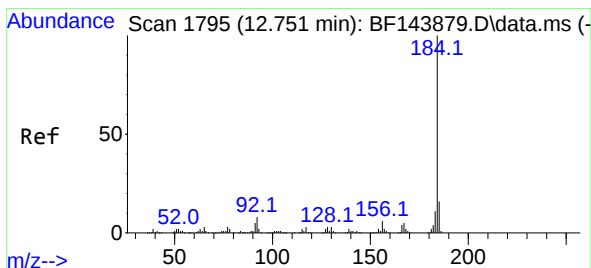
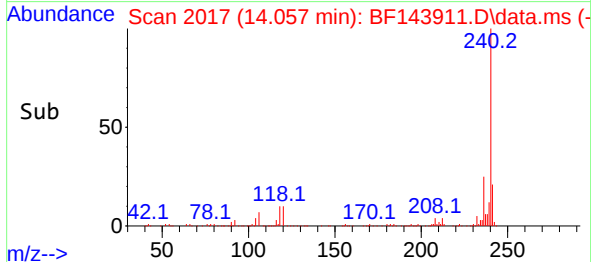
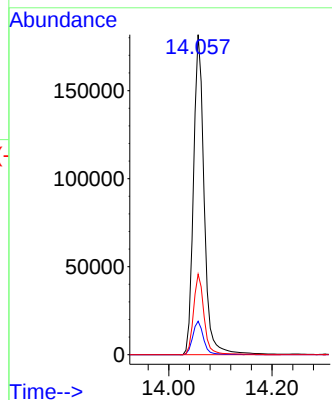
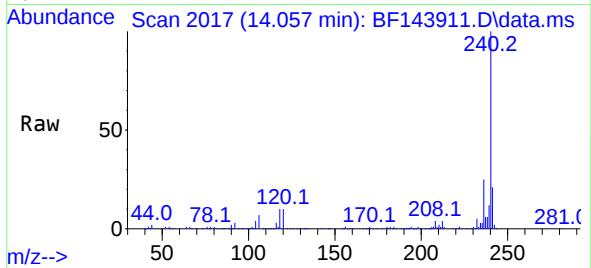




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

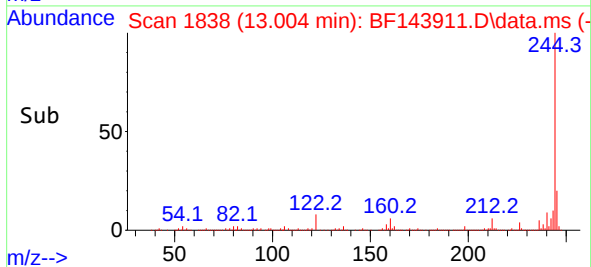
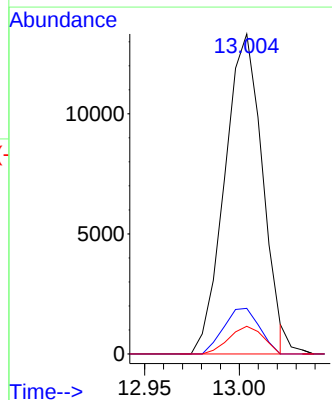
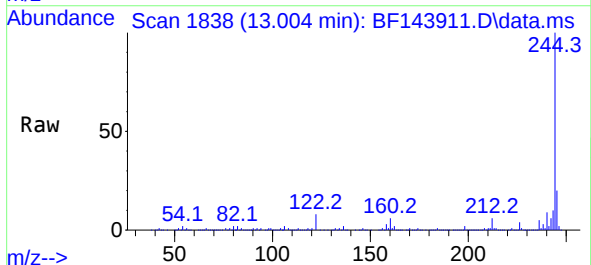
Instrument :
BNA_F
ClientSampleId :
PB170010TB

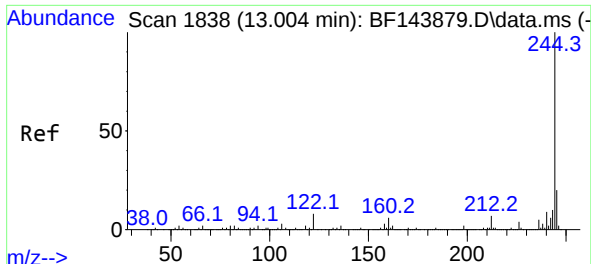
Tgt Ion:240 Resp: 260851
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.1 21.1 31.7



#77
Benzidine
Concen: 2.030 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.247 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:184 Resp: 18384
Ion Ratio Lower Upper
184 100
185 14.3 12.6 18.8
183 8.7 8.8 13.2#

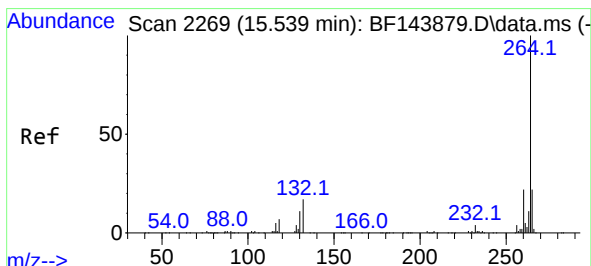
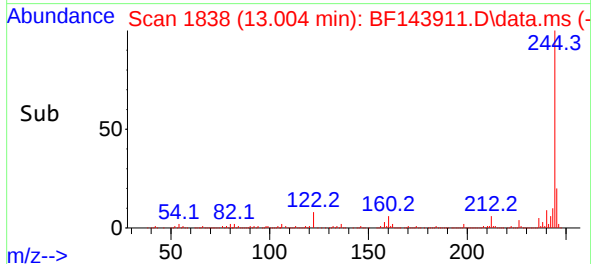
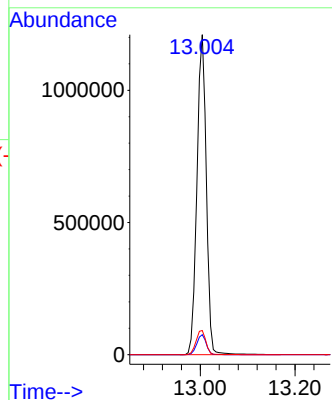
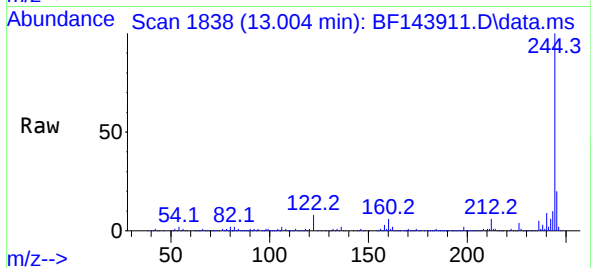




#79
Terphenyl-d14
Concen: 108.791 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB170010TB

Tgt Ion:244 Resp: 1660444
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 7.5 6.4 9.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143911.D
Acq: 09 Oct 2025 16:15

Tgt Ion:264 Resp: 232816
Ion Ratio Lower Upper
264 100
260 20.5 17.8 26.8
265 20.6 17.5 26.3

