

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143844.D
 Acq On : 30 Sep 2025 20:33
 Operator : RC/JU
 Sample : Q3231-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Oct 01 02:36:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

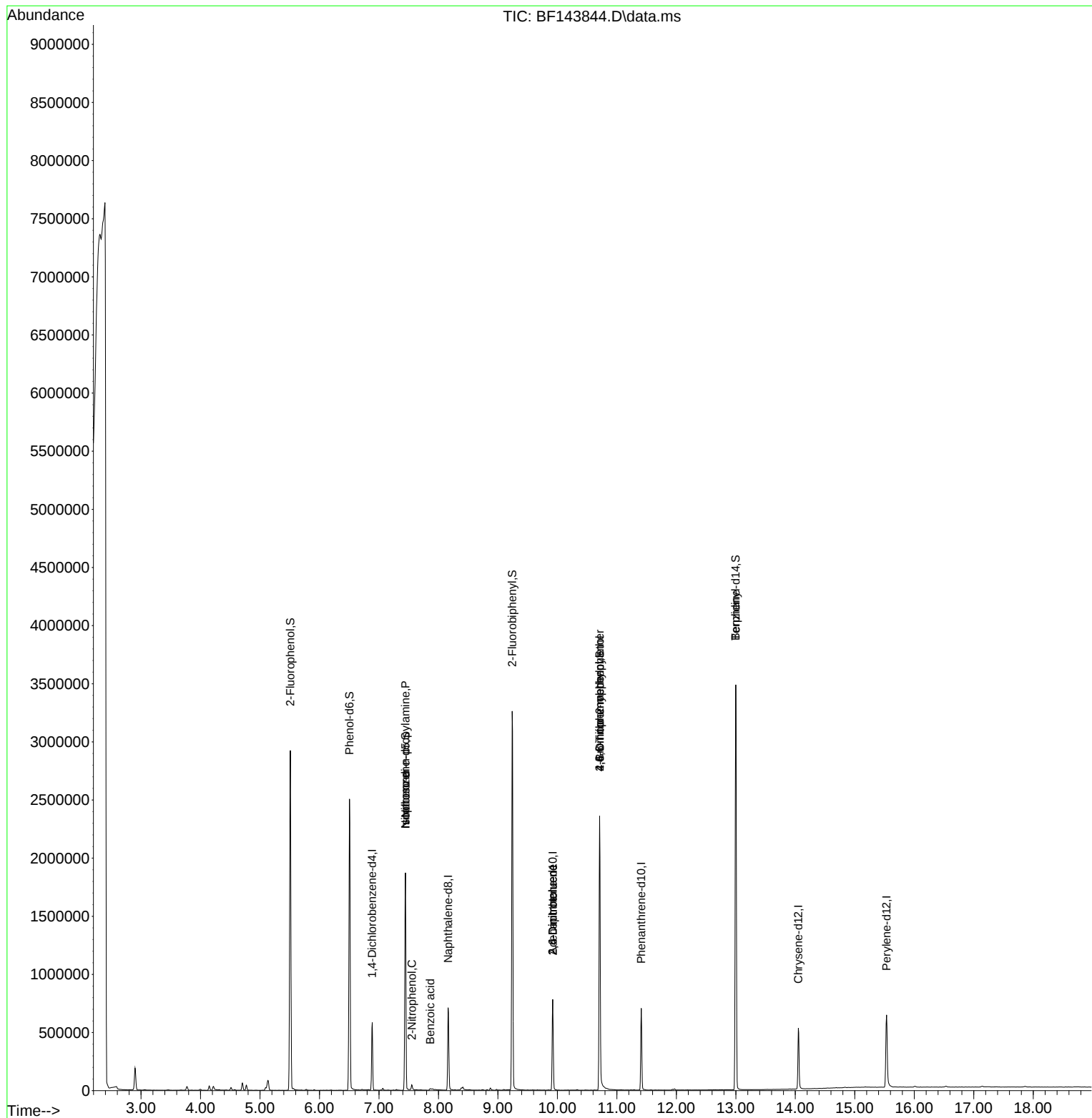
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	119755	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	445493	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	232539	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	373873	20.000	ng	0.00
76) Chrysene-d12	14.051	240	318319	20.000	ng	-0.01
86) Perylene-d12	15.533	264	494893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1061342	143.991	ng	0.01
7) Phenol-d6	6.504	99	1200828	140.999	ng	0.00
23) Nitrobenzene-d5	7.445	82	777602	106.844	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	596664	173.292	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1575774	105.745	ng	0.00
79) Terphenyl-d14	12.998	244	2027553	129.541	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	111776	20.410	ng	# 69
25) Isophorone	7.445	82	768192	54.165	ng	# 66
26) 2-Nitrophenol	7.551	139	194	2.769	ng	# 25
32) Benzoic acid	7.863	122	7524	2.460	ng	91
51) 2,6-Dinitrotoluene	9.922	165	29203	12.541	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	29203	10.855	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	731	4.766	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	36781	5.773	ng	# 1
77) Benzidine	12.998	184	15646	2.017	ng	96

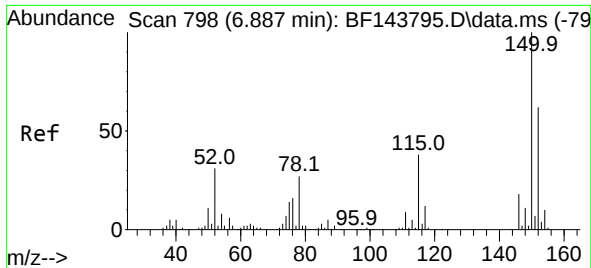
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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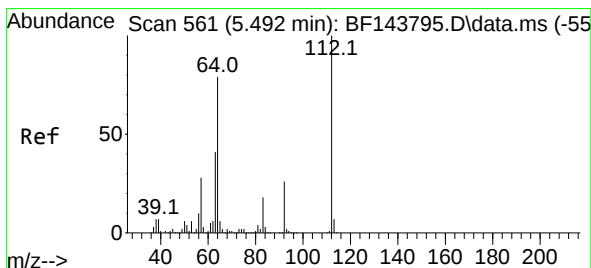
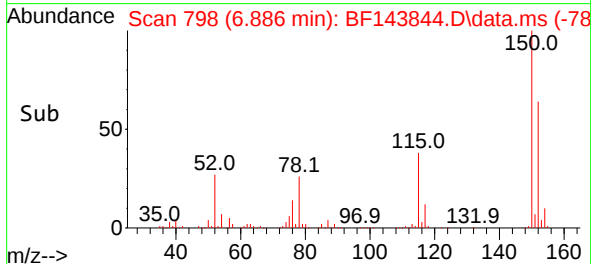
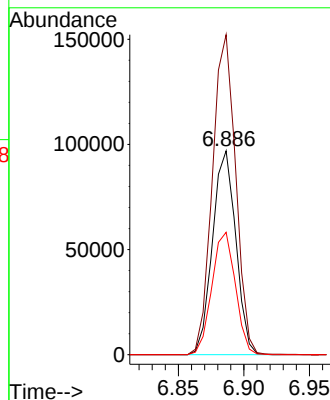
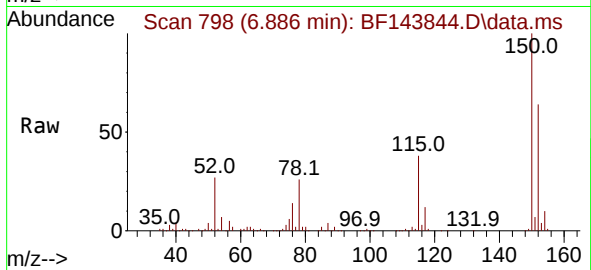




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 798
Delta R.T. -0.001 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

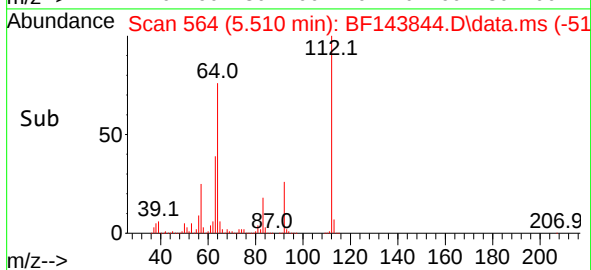
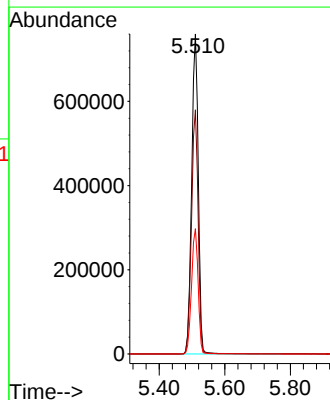
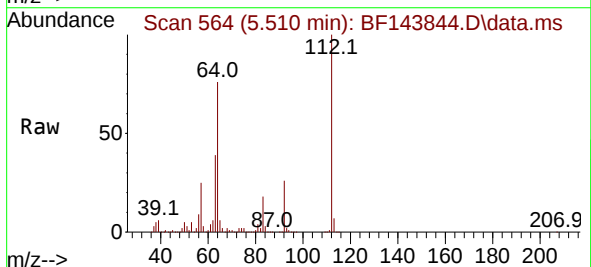
Instrument :
BNA_F
ClientSampleId :
WC-2

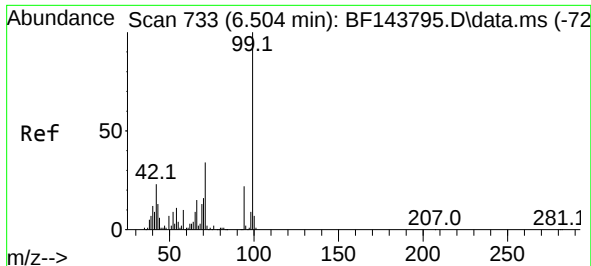
Tgt Ion:152 Resp: 119755
Ion Ratio Lower Upper
152 100
150 157.0 129.6 194.4
115 60.1 49.0 73.4



#5
2-Fluorophenol
Concen: 143.991 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:112 Resp: 1061342
Ion Ratio Lower Upper
112 100
64 76.3 63.0 94.4
63 39.1 32.6 49.0

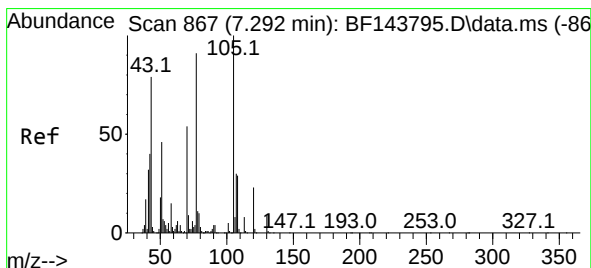
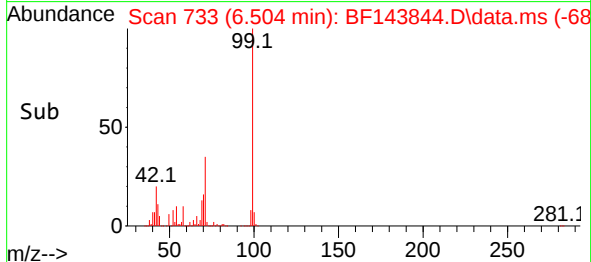
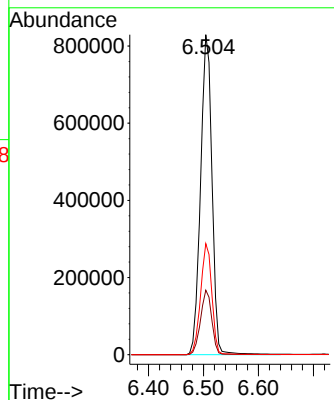
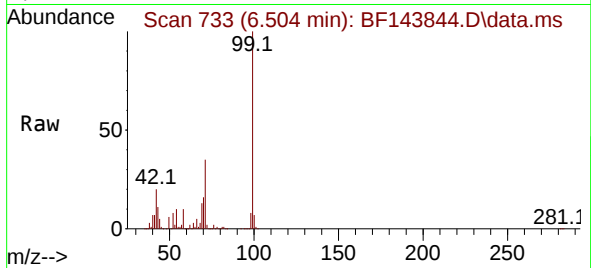




#7
Phenol-d6
Concen: 140.999 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

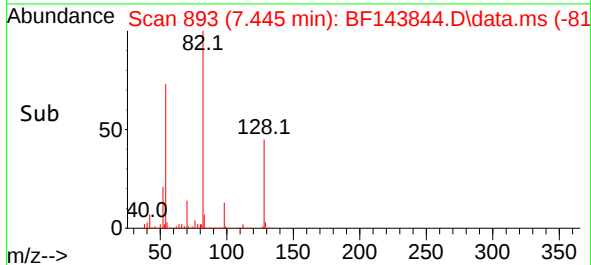
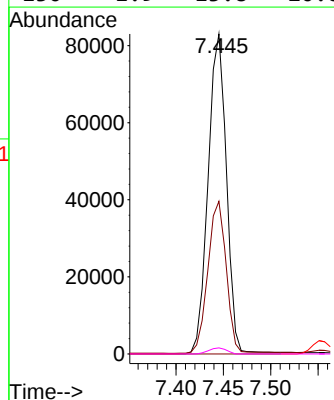
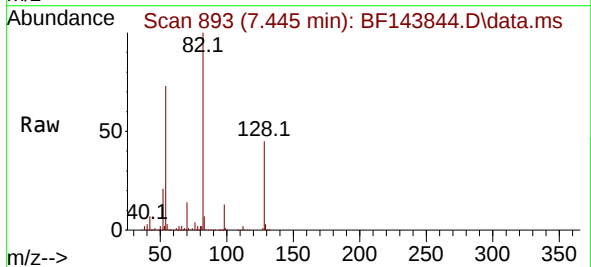
Instrument :
BNA_F
ClientSampleId :
WC-2

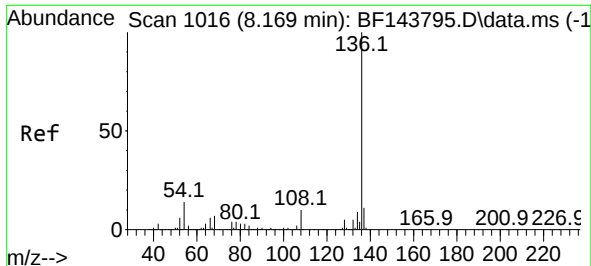
Tgt Ion: 99 Resp: 1200828
Ion Ratio Lower Upper
99 100
42 20.1 18.6 28.0
71 34.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.410 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion: 70 Resp: 111776
Ion Ratio Lower Upper
70 100
42 47.7 59.4 89.0#
101 0.0 7.1 10.7#
130 1.9 13.8 20.8#

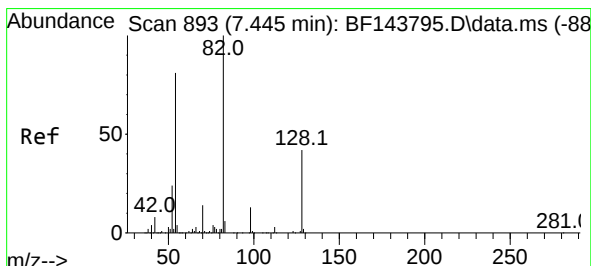
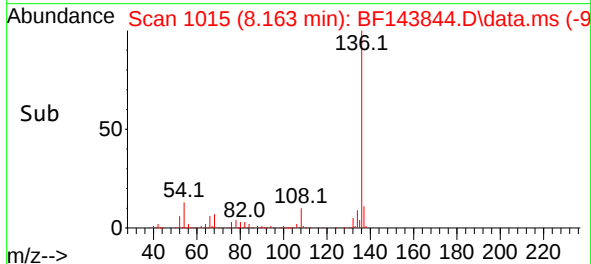
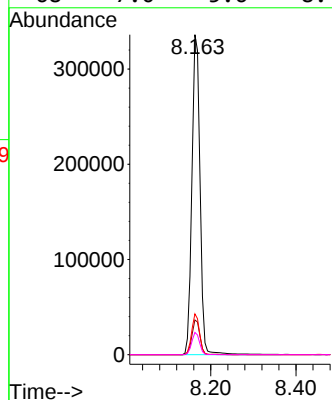
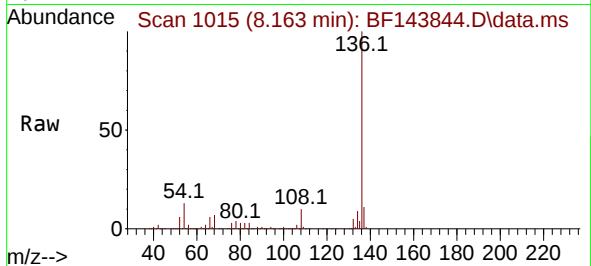




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

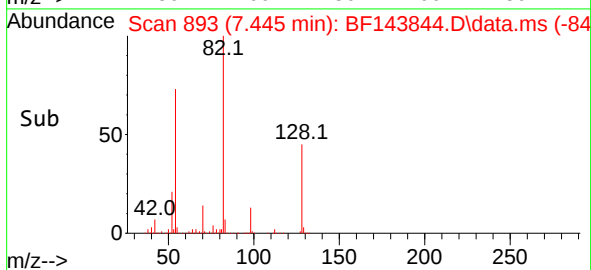
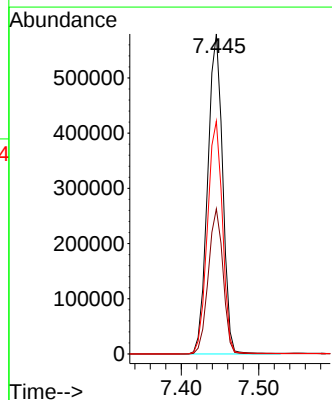
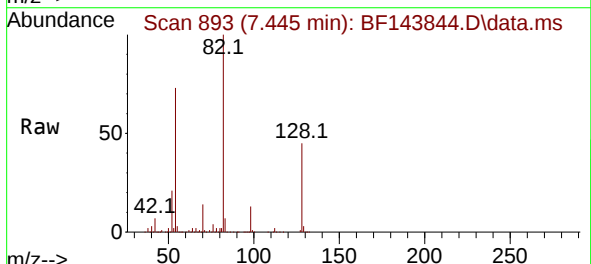
Instrument :
BNA_F
ClientSampleId :
WC-2

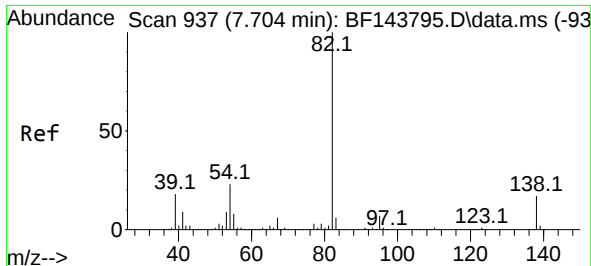
Tgt Ion:136	Resp: 445493
Ion Ratio	Lower Upper
136 100	
137 10.8	9.0 13.4
54 12.8	11.2 16.8
68 7.0	5.6 8.4



#23
Nitrobenzene-d5
Concen: 106.844 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion: 82	Resp: 777602
Ion Ratio	Lower Upper
82 100	
128 45.4	33.3 49.9
54 72.7	64.2 96.4

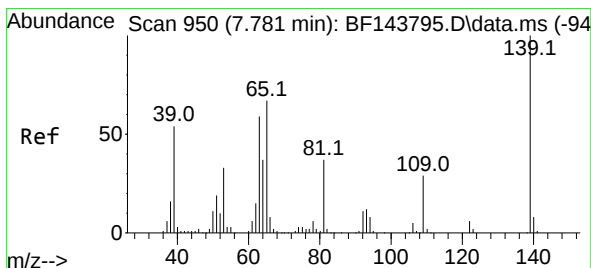
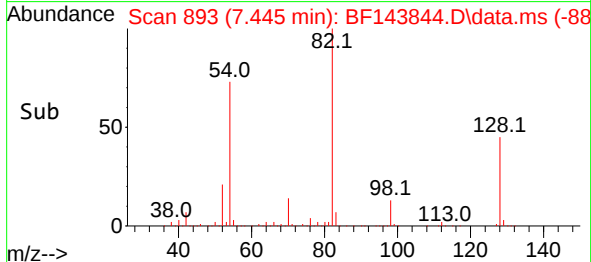
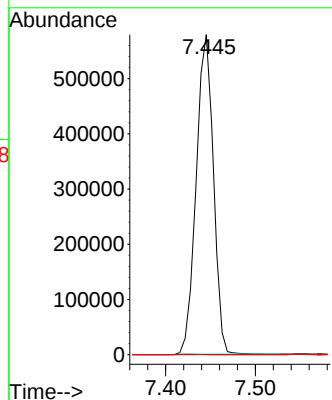
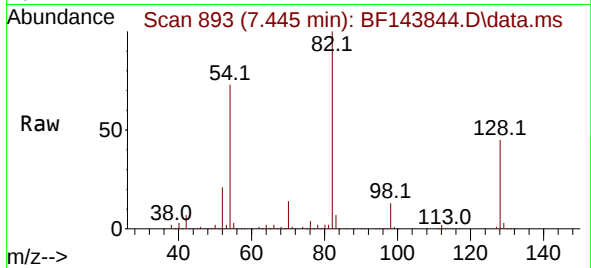




#25
Isophorone
Concen: 54.165 ng
RT: 7.445 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

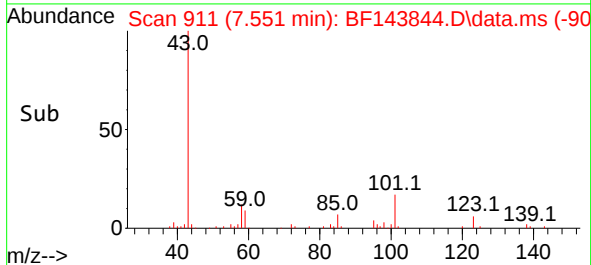
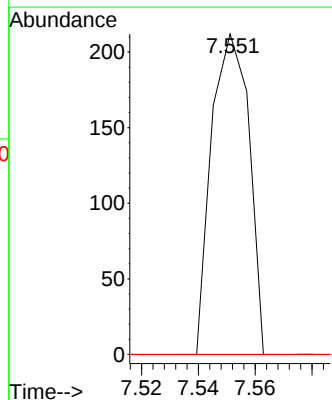
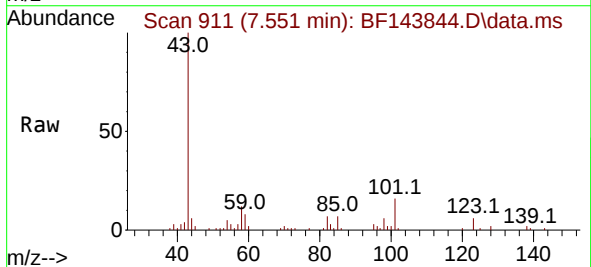
Instrument :
BNA_F
ClientSampleId :
WC-2

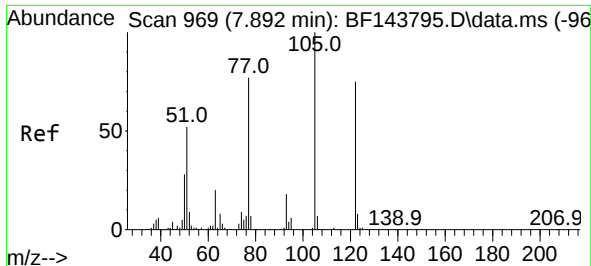
Tgt Ion: 82 Resp: 768192
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#26
2-Nitrophenol
Concen: 2.769 ng
RT: 7.551 min Scan# 911
Delta R.T. -0.235 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:139 Resp: 194
Ion Ratio Lower Upper
139 100
109 0.0 23.3 34.9#
65 0.0 53.8 80.6#

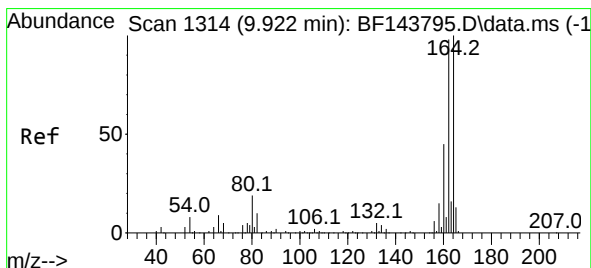
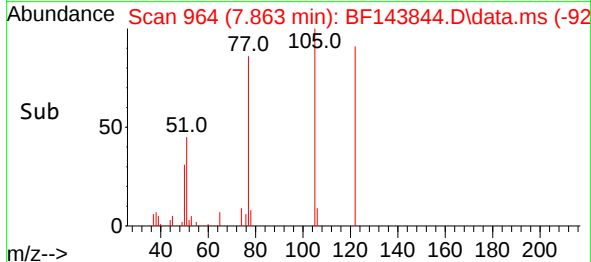
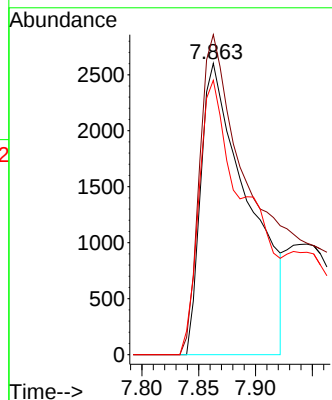
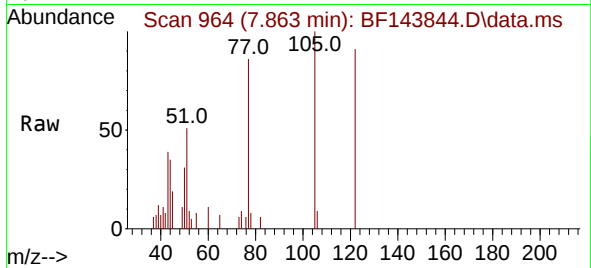




#32
Benzoic acid
Concen: 2.460 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.059 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

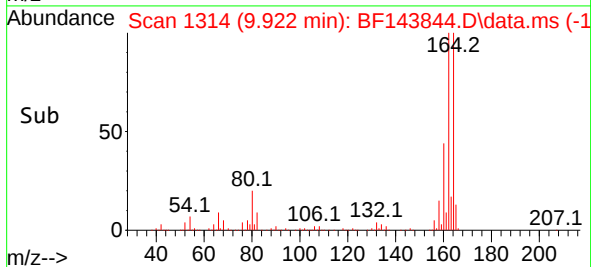
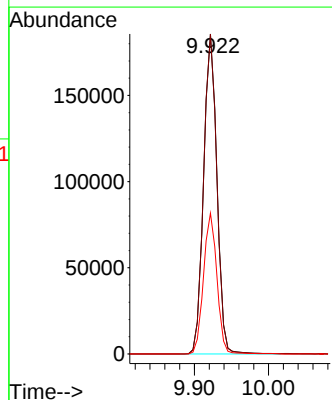
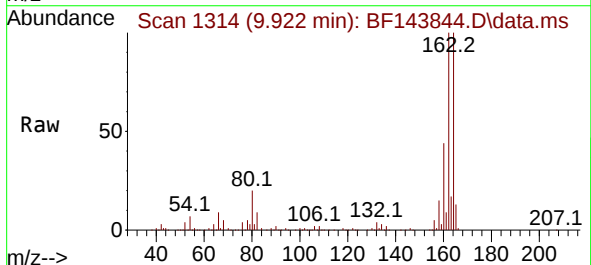
Instrument :
BNA_F
ClientSampleId :
WC-2

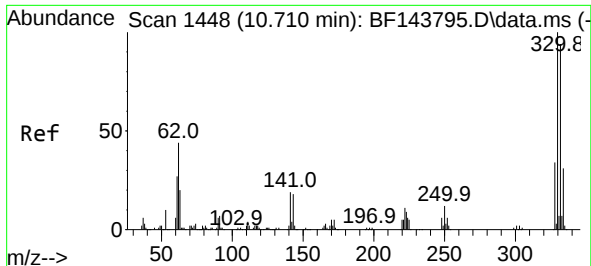
Tgt Ion:122 Resp: 7524
Ion Ratio Lower Upper
122 100
105 109.8 103.7 143.7
77 94.2 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:164 Resp: 232539
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 173.292 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143844.D

Acq: 30 Sep 2025 20:33

Instrument :

BNA_F

ClientSampleId :

WC-2

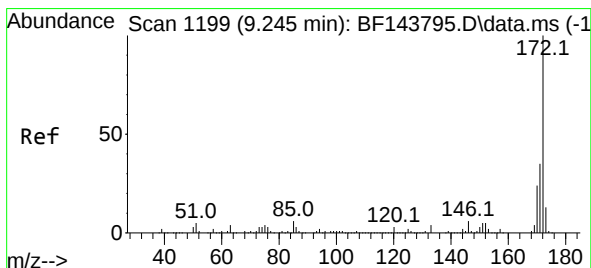
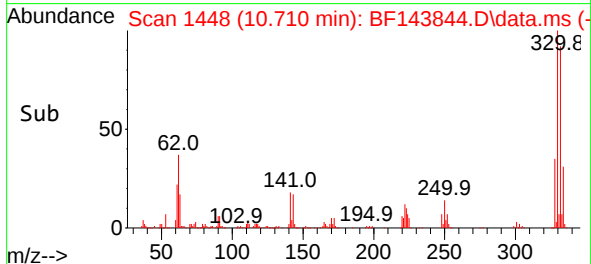
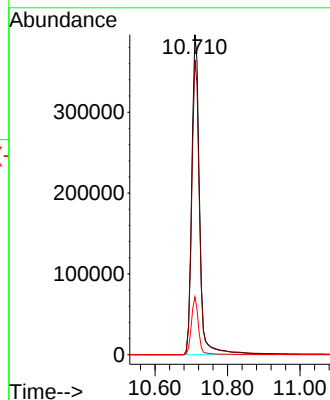
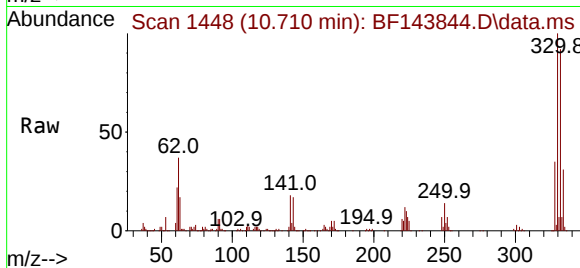
Tgt Ion:330 Resp: 596664

Ion Ratio Lower Upper

330 100

332 92.2 74.7 112.1

141 16.4 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 105.745 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143844.D

Acq: 30 Sep 2025 20:33

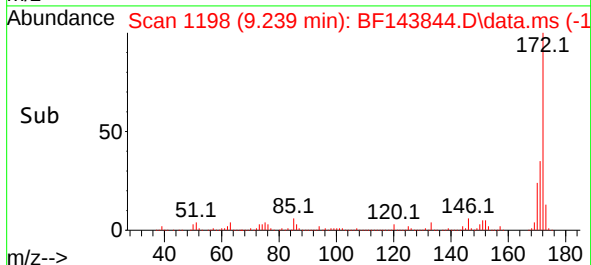
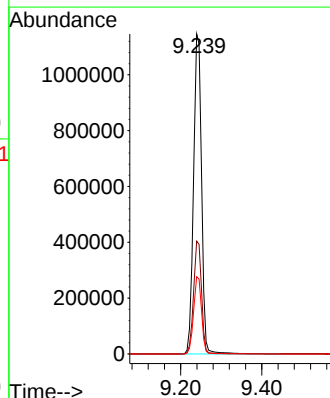
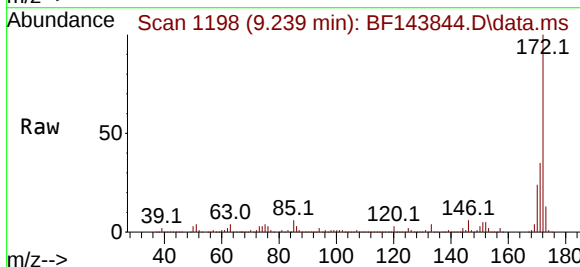
Tgt Ion:172 Resp: 1575774

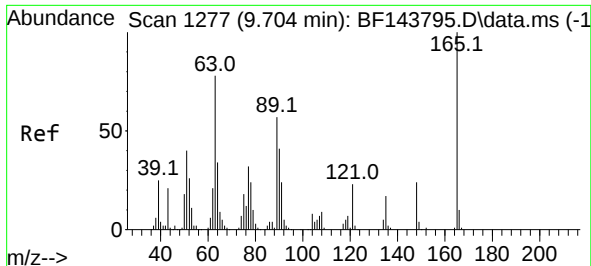
Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 24.2 19.1 28.7

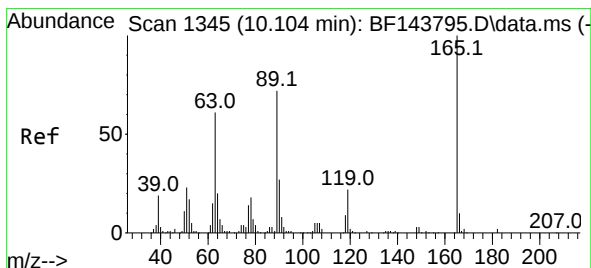
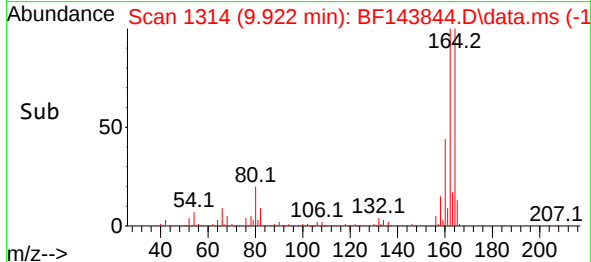
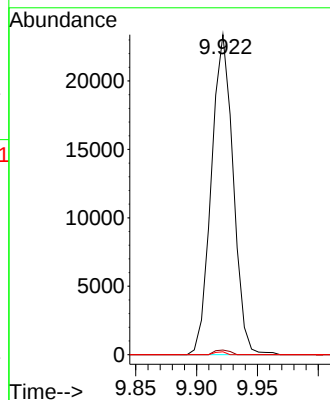
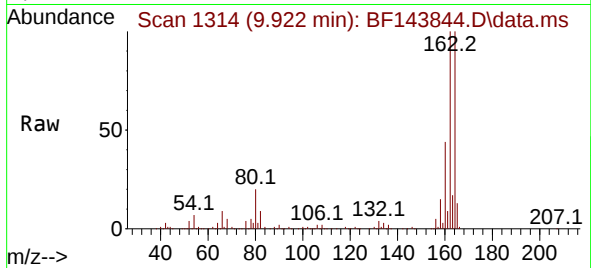




#51
2,6-Dinitrotoluene
Concen: 12.541 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

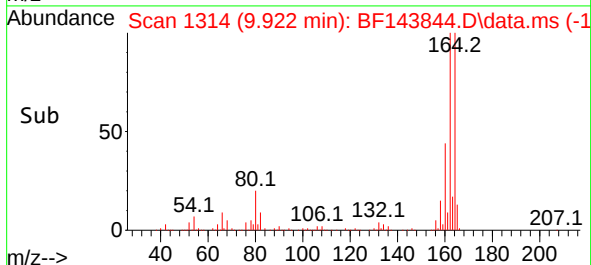
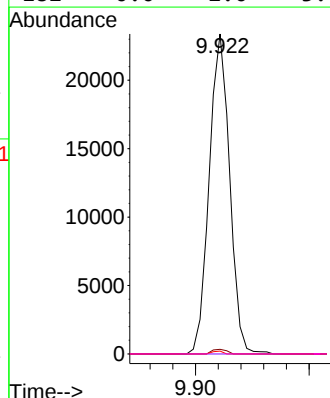
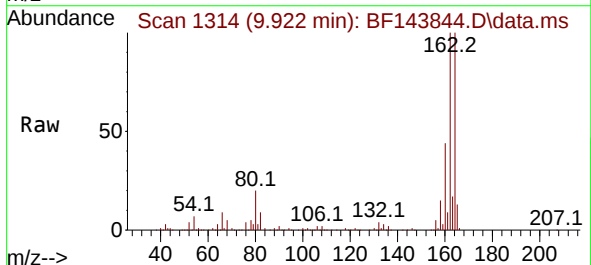
Instrument :
BNA_F
ClientSampleId :
WC-2

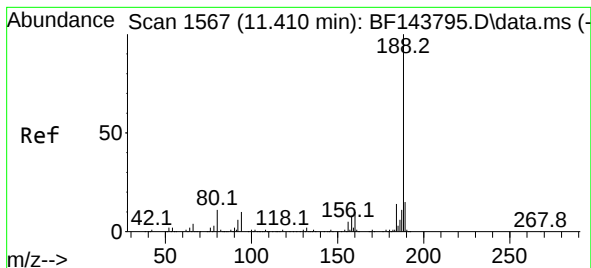
Tgt Ion:165 Resp: 29203
Ion Ratio Lower Upper
165 100
63 1.4 62.6 94.0#
89 0.9 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 10.855 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:165 Resp: 29203
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 0.9 57.5 86.3#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143844.D

Acq: 30 Sep 2025 20:33

Instrument :

BNA_F

ClientSampleId :

WC-2

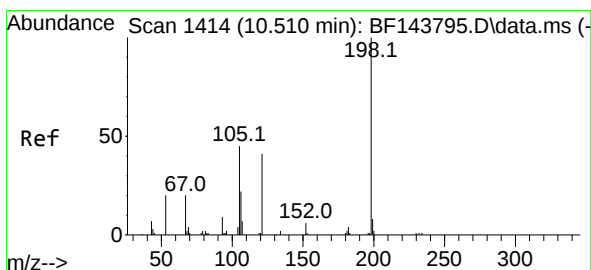
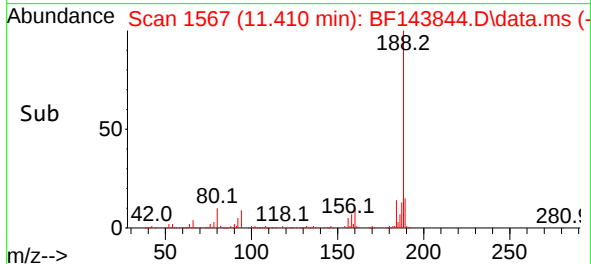
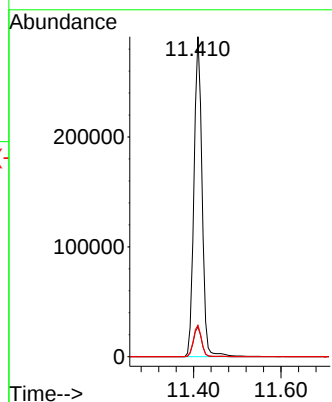
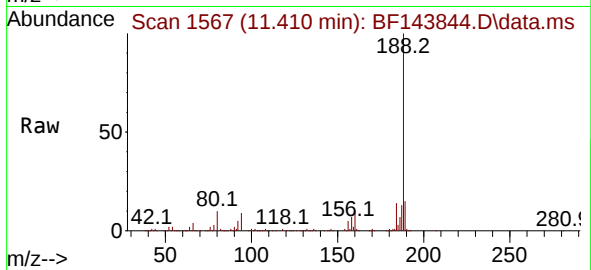
Tgt Ion:188 Resp: 373873

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 9.8 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.766 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143844.D

Acq: 30 Sep 2025 20:33

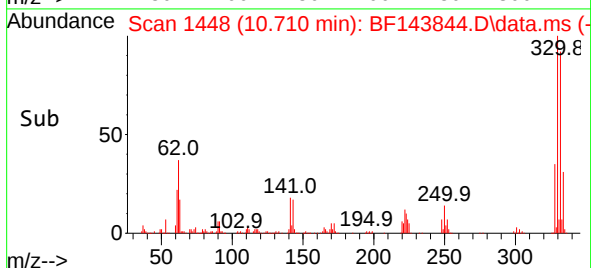
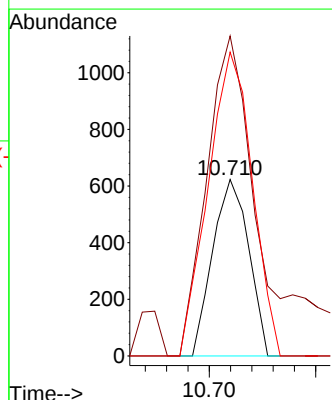
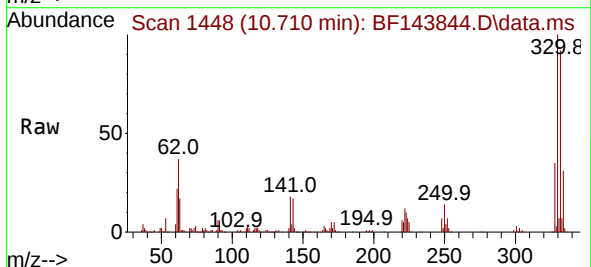
Tgt Ion:198 Resp: 731

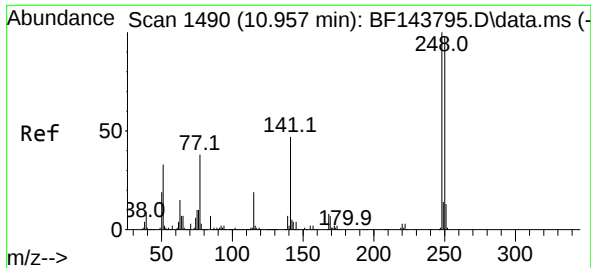
Ion Ratio Lower Upper

198 100

51 181.4 52.0 92.0#

105 172.2 27.5 67.5#

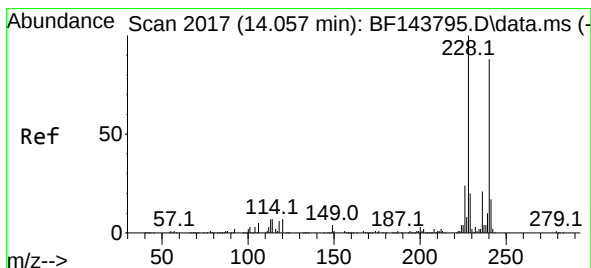
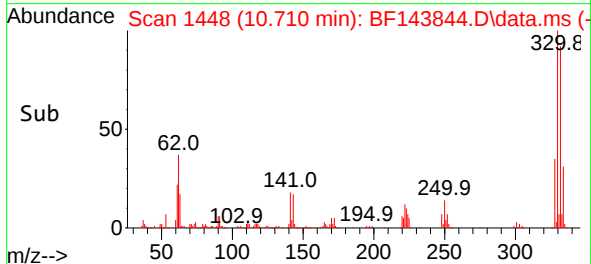
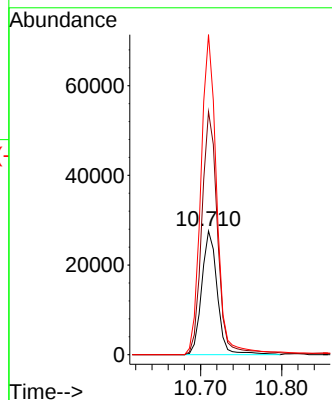
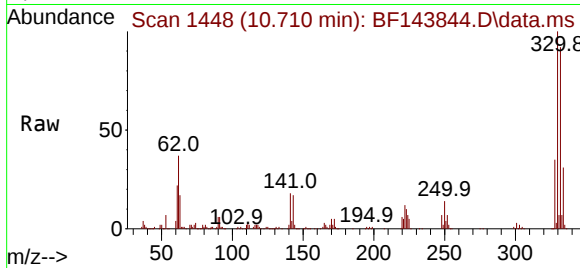




#67
4-Bromophenyl-phenylether
Concen: 5.773 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

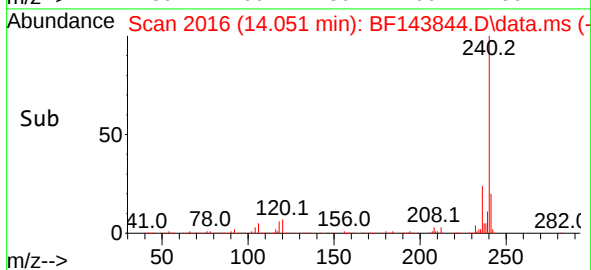
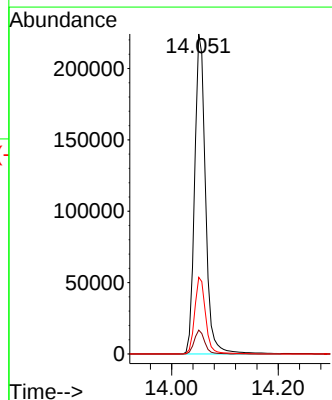
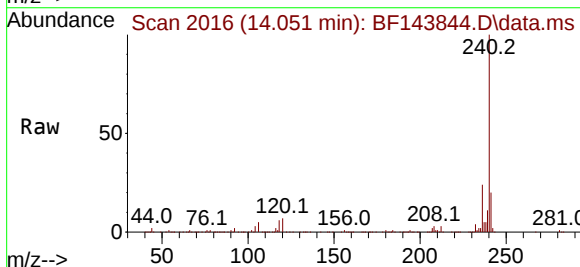
Instrument :
BNA_F
ClientSampleId :
WC-2

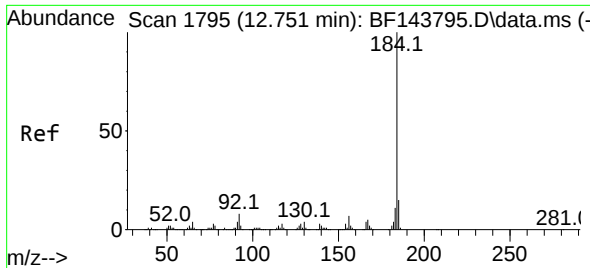
Tgt Ion:248 Resp: 36781
Ion Ratio Lower Upper
248 100
250 196.5 78.7 118.1#
141 258.9 37.9 56.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:240 Resp: 318319
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 23.9 19.4 29.2

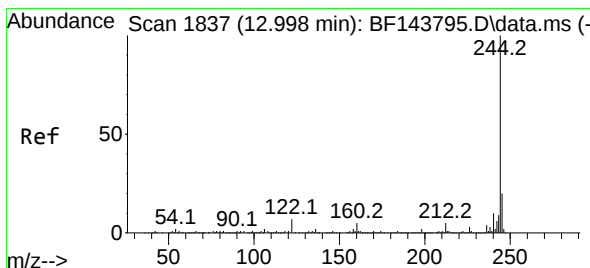
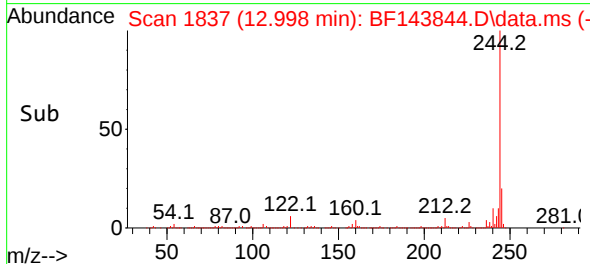
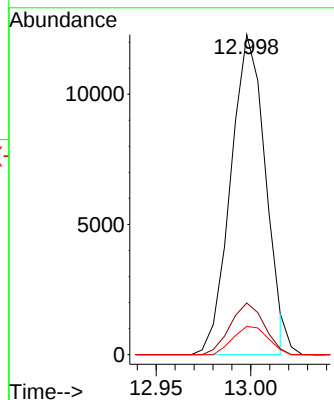
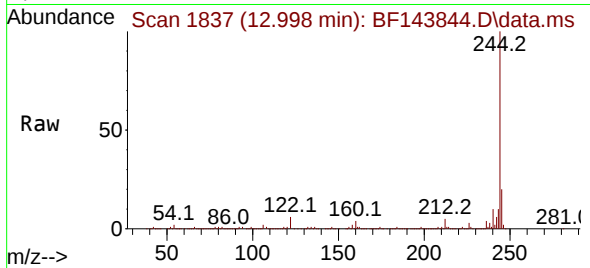




#77
Benzidine
Concen: 2.017 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.247 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

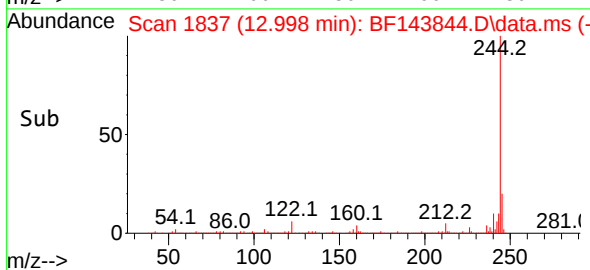
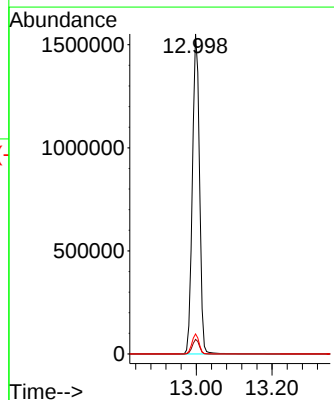
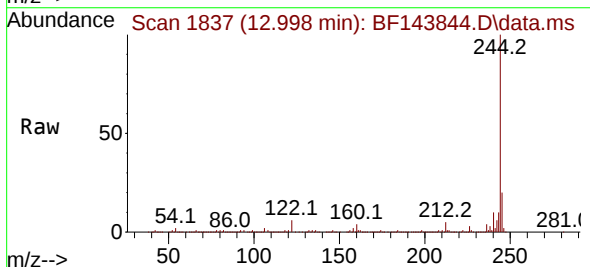
Instrument :
BNA_F
ClientSampleId :
WC-2

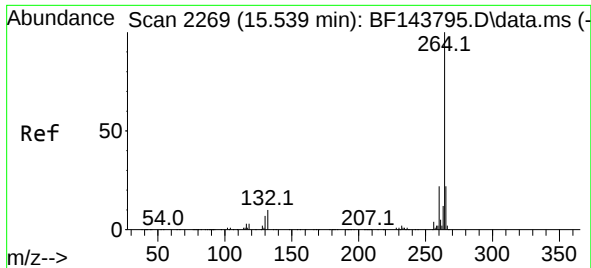
Tgt Ion:184 Resp: 15646
Ion Ratio Lower Upper
184 100
185 16.1 11.6 17.4
183 8.9 8.6 13.0



#79
Terphenyl-d14
Concen: 129.541 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143844.D
Acq: 30 Sep 2025 20:33

Tgt Ion:244 Resp: 2027553
Ion Ratio Lower Upper
244 100
212 4.6 3.9 5.9
122 6.2 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143844.D
 Acq: 30 Sep 2025 20:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:264 Resp: 494893
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.9 26.9
 265 22.3 17.7 26.5

