

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143834.D
 Acq On : 30 Sep 2025 15:33
 Operator : RC/JU
 Sample : SP6874
 Misc : 625.1 SURROGATES
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP6874

Quant Time: Sep 30 16:02:15 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)

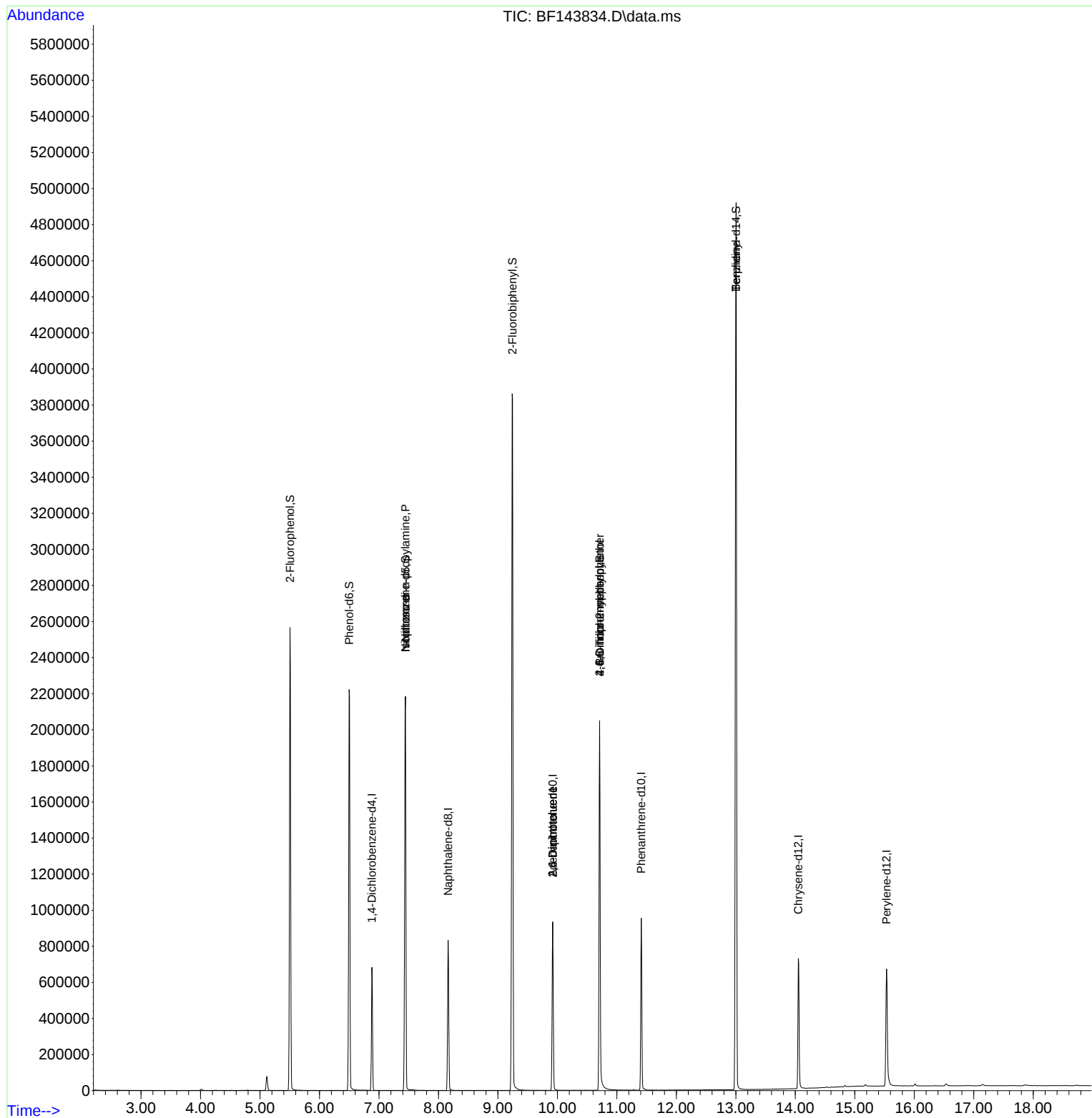
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	139434	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	539809	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	292903	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	504561	20.000	ng	0.00
76) Chrysene-d12	14.051	240	443768	20.000	ng	-0.01
86) Perylene-d12	15.533	264	511580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	902138	105.118	ng	0.00
7) Phenol-d6	6.499	99	1058028	106.698	ng	-0.01
23) Nitrobenzene-d5	7.446	82	1008245	114.330	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	499740	115.230	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2069088	110.235	ng	0.00
79) Terphenyl-d14	13.004	244	2993964	137.210	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.446	70	144707	22.693	ng	# 68
25) Isophorone	7.446	82	994255	57.856	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	37577	12.811	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	37578	11.026	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	375	4.393	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	30139	3.505	ng	# 1
77) Benzidine	13.004	184	24640	2.279	ng	# 95

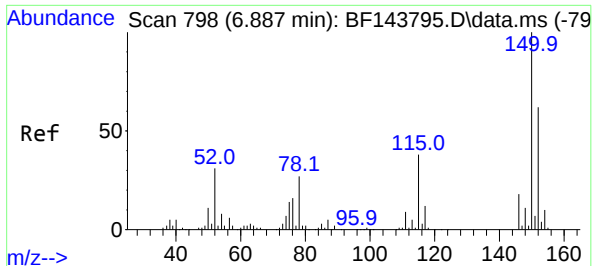
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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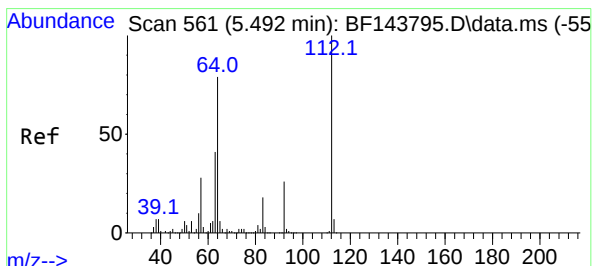
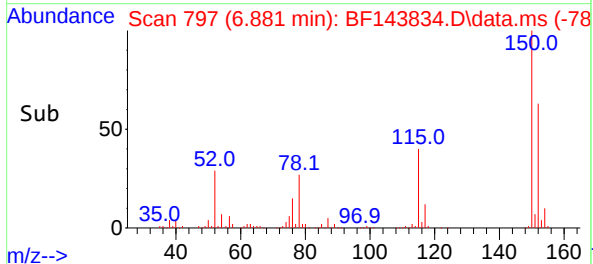
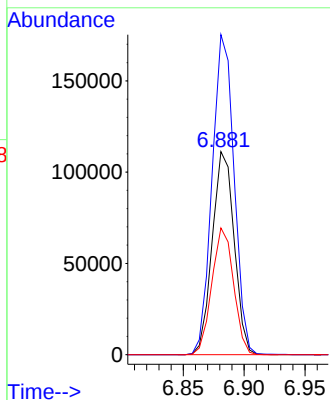
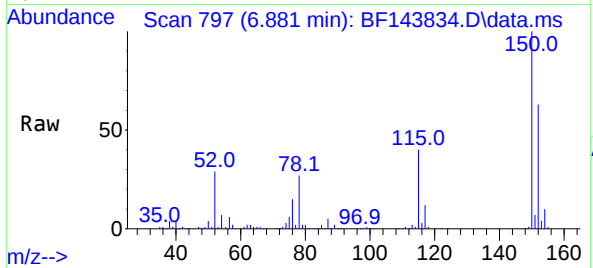




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

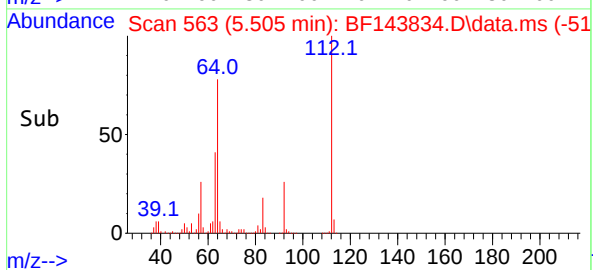
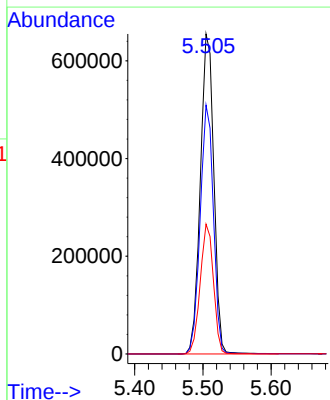
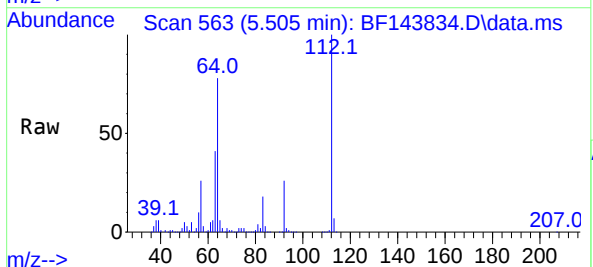
Instrument :
BNA_F
ClientSampleId :
SP6874

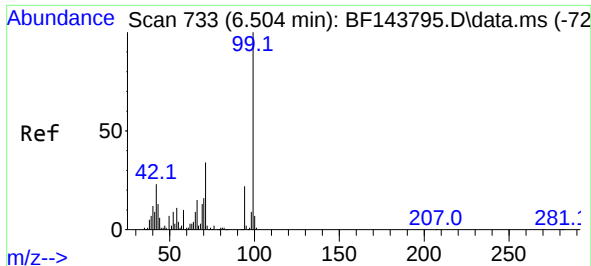
Tgt Ion:152 Resp: 139434
Ion Ratio Lower Upper
152 100
150 157.6 129.6 194.4
115 62.4 49.0 73.4



#5
2-Fluorophenol
Concen: 105.118 ng
RT: 5.505 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:112 Resp: 902138
Ion Ratio Lower Upper
112 100
64 77.8 63.0 94.4
63 40.5 32.6 49.0

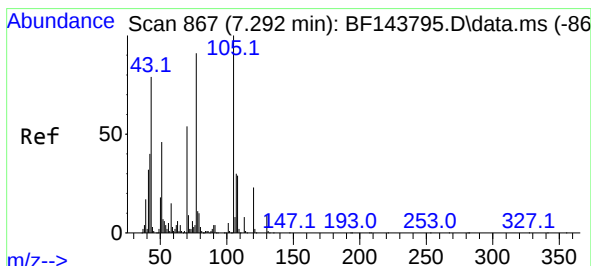
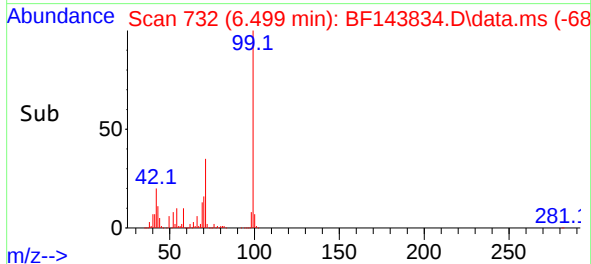
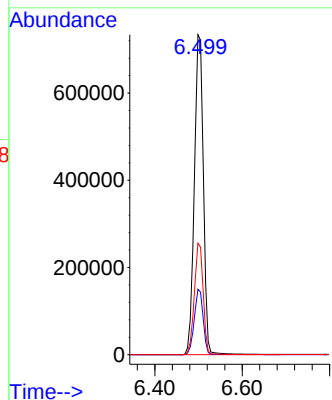
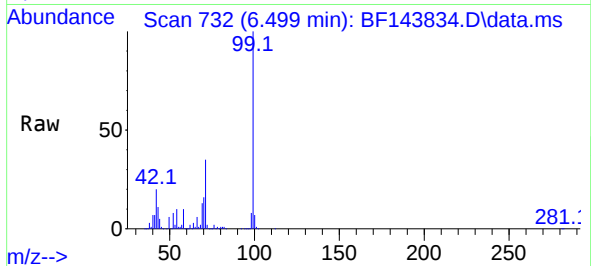




#7
Phenol-d6
Concen: 106.698 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

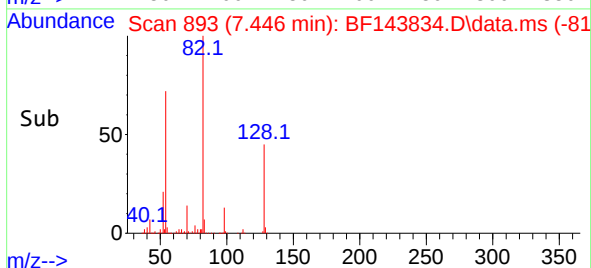
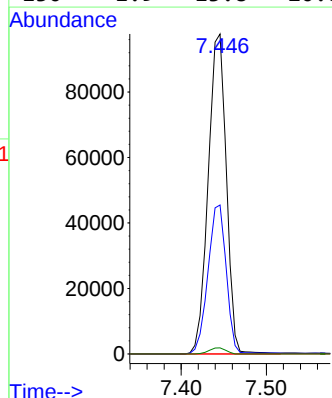
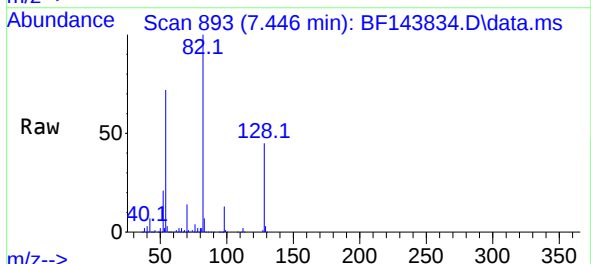
Instrument :
BNA_F
ClientSampleId :
SP6874

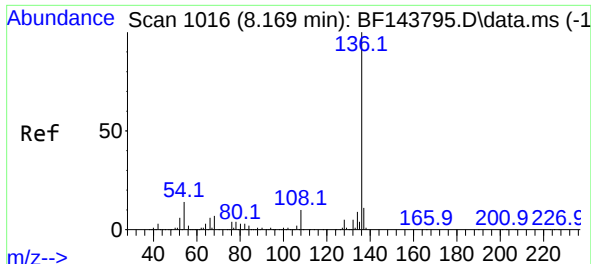
Tgt Ion: 99 Resp: 1058028
Ion Ratio Lower Upper
99 100
42 20.4 18.6 28.0
71 34.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 22.693 ng
RT: 7.446 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion: 70 Resp: 144707
Ion Ratio Lower Upper
70 100
42 46.5 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: BF143834.D

Acq: 30 Sep 2025 15:33

Instrument :

BNA_F

ClientSampleId :

SP6874

Tgt Ion:136 Resp: 539809

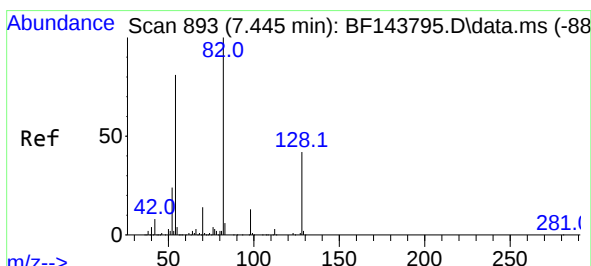
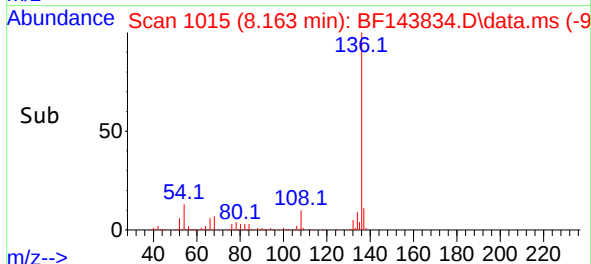
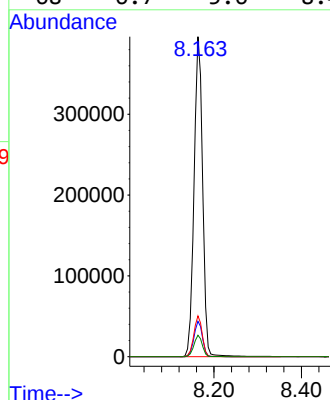
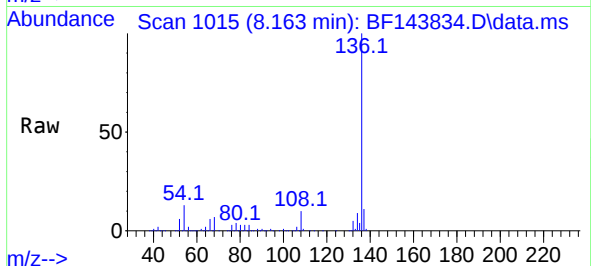
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 12.7 11.2 16.8

68 6.7 5.6 8.4



#23

Nitrobenzene-d5

Concen: 114.330 ng

RT: 7.446 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF143834.D

Acq: 30 Sep 2025 15:33

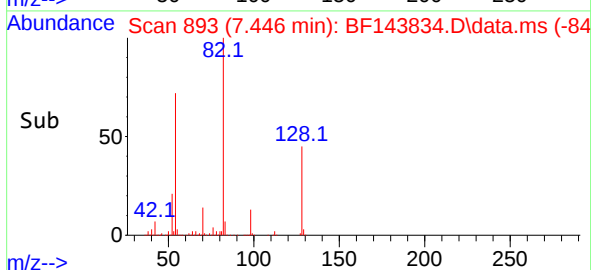
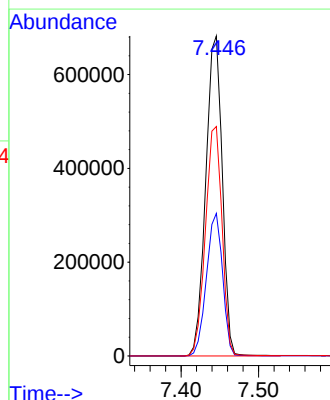
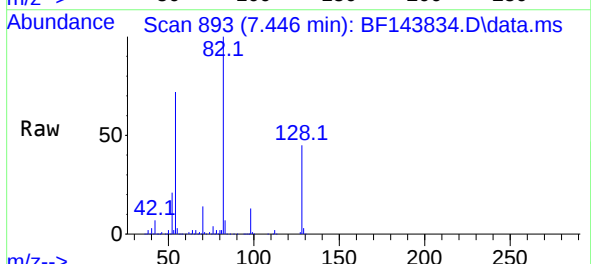
Tgt Ion: 82 Resp: 1008245

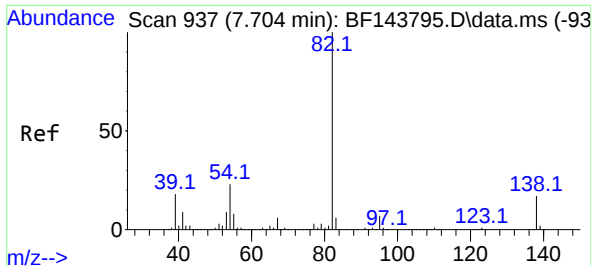
Ion Ratio Lower Upper

82 100

128 44.5 33.3 49.9

54 71.7 64.2 96.4

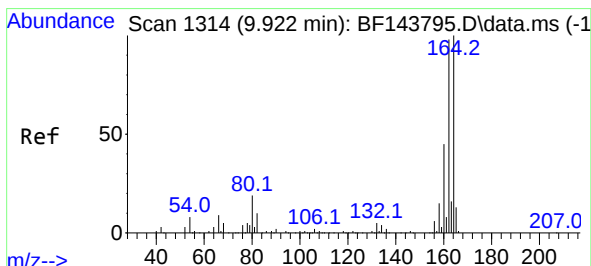
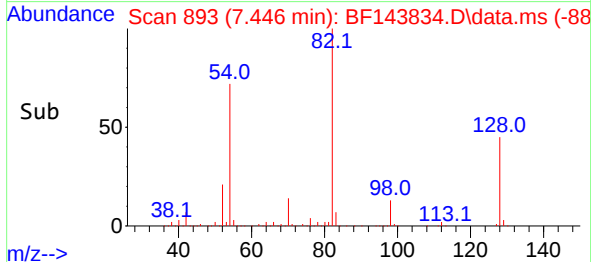
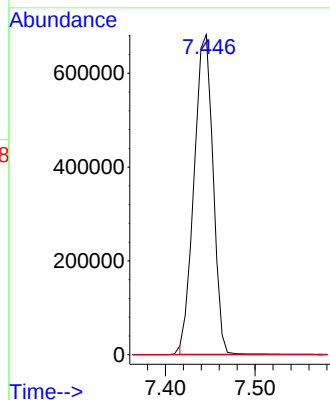
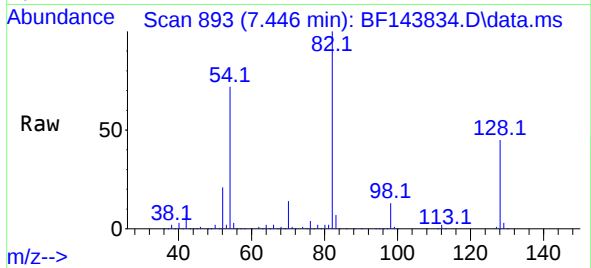




#25
Isophorone
Concen: 57.856 ng
RT: 7.446 min Scan# 893
Delta R.T. -0.264 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

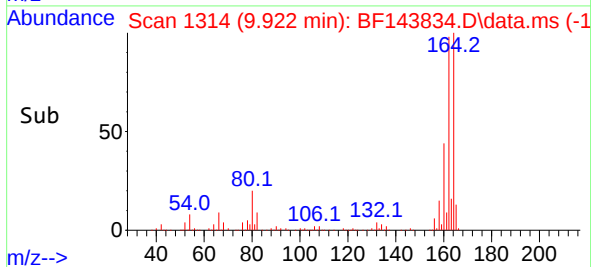
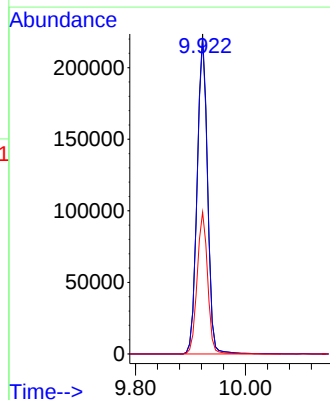
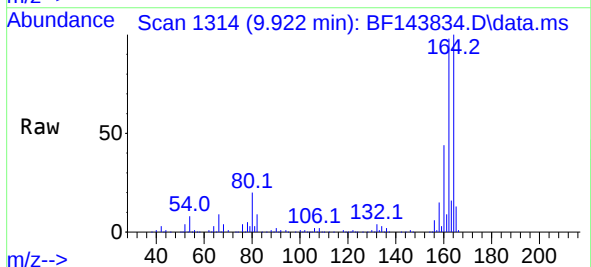
Instrument :
BNA_F
ClientSampleId :
SP6874

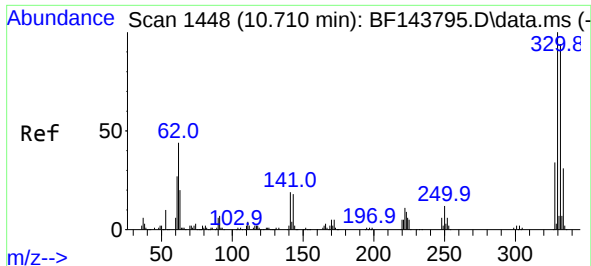
Tgt Ion: 82 Resp: 994255
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:164 Resp: 292903
Ion Ratio Lower Upper
164 100
162 98.4 78.8 118.2
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 115.230 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143834.D

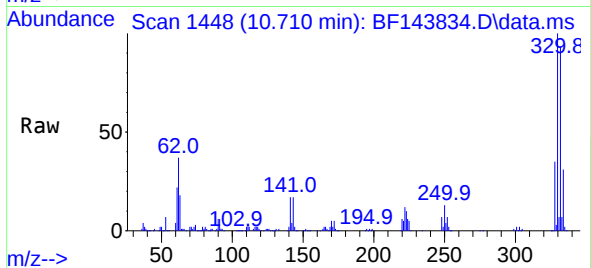
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Instrument :

BNA_F

ClientSampleId :

SP6874



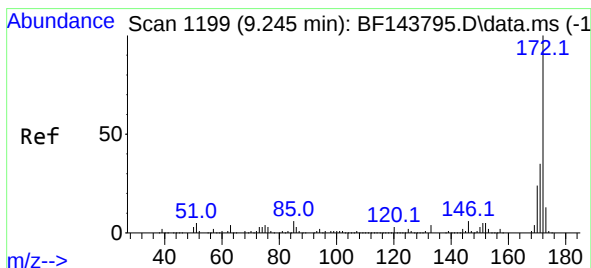
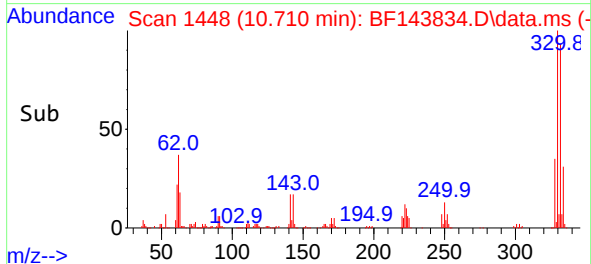
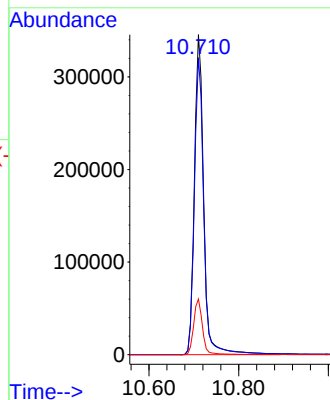
Tgt Ion:330 Resp: 499740

Ion Ratio Lower Upper

330 100

332 93.7 74.7 112.1

141 16.5 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 110.235 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143834.D

Acq: 30 Sep 2025 15:33

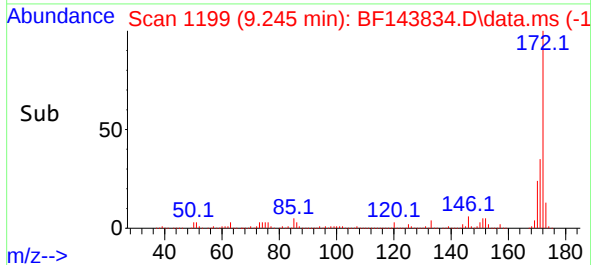
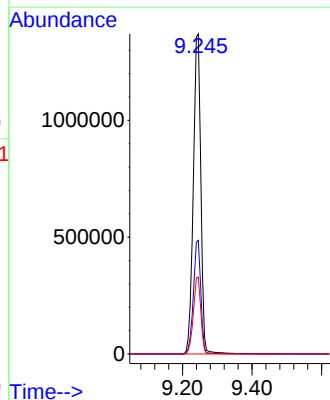
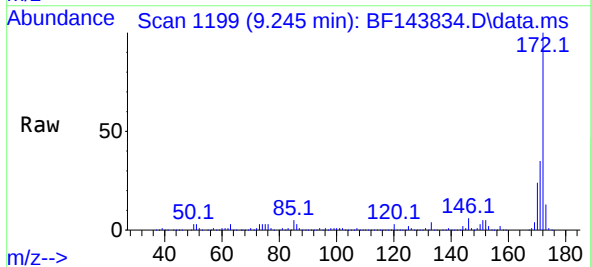
Tgt Ion:172 Resp: 2069088

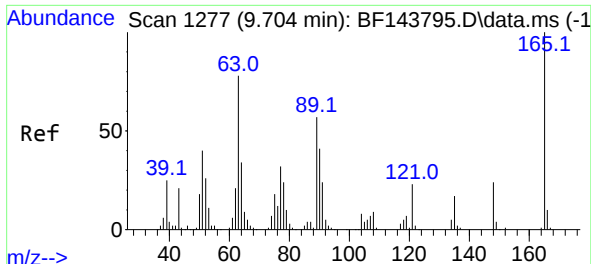
Ion Ratio Lower Upper

172 100

171 35.5 27.9 41.9

170 24.1 19.1 28.7

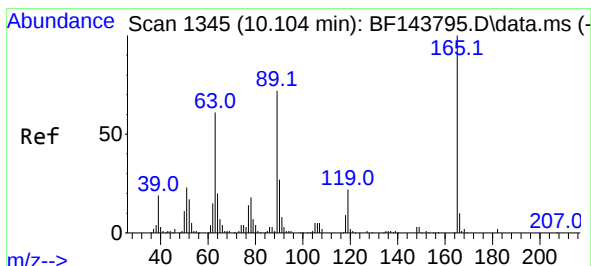
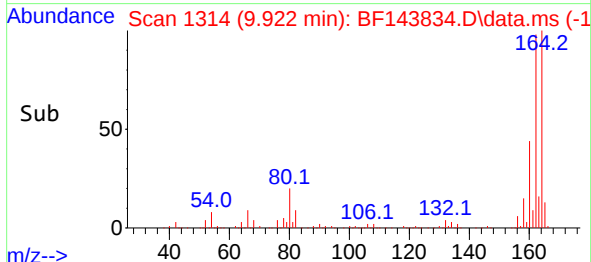
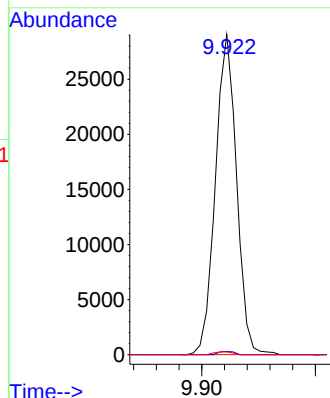
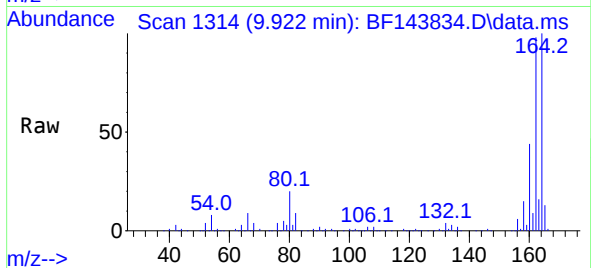




#51
2,6-Dinitrotoluene
Concen: 12.811 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

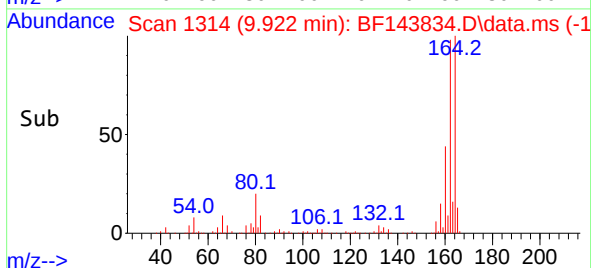
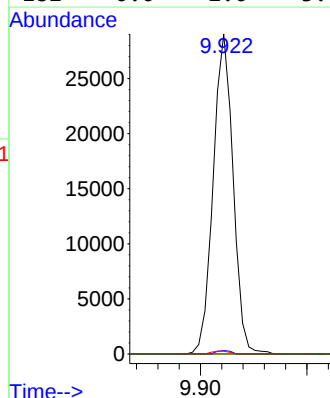
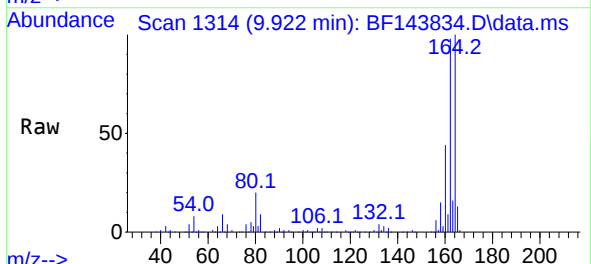
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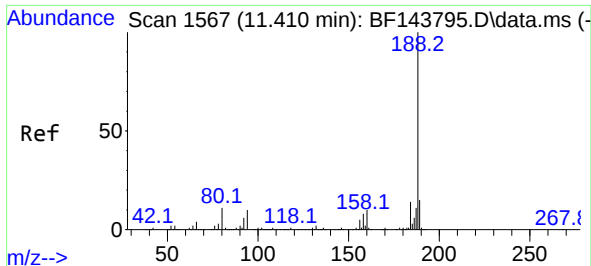
Tgt Ion:165 Resp: 37577
Ion Ratio Lower Upper
165 100
63 1.1 62.6 94.0#
89 0.8 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 11.026 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:165 Resp: 37578
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 0.8 57.5 86.3#
182 0.0 2.0 3.0#

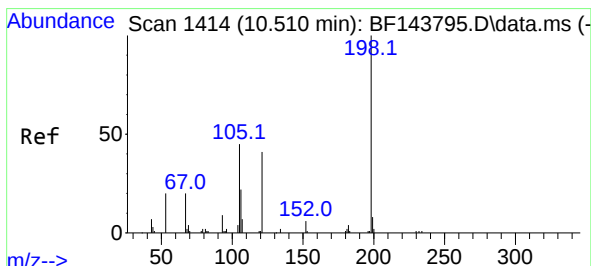
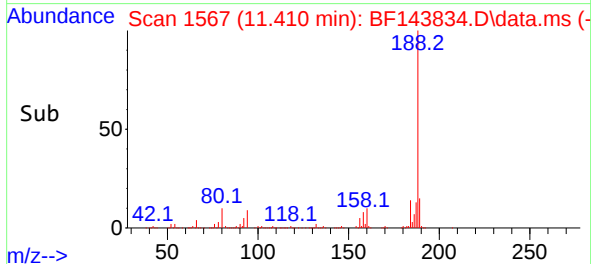
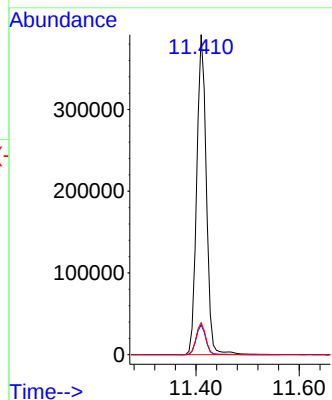
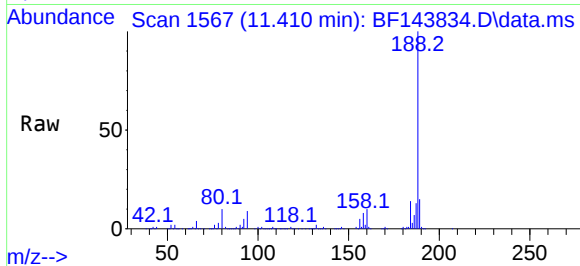




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

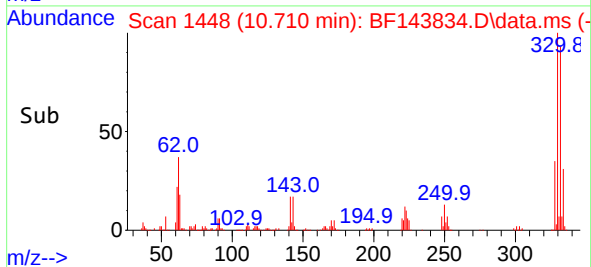
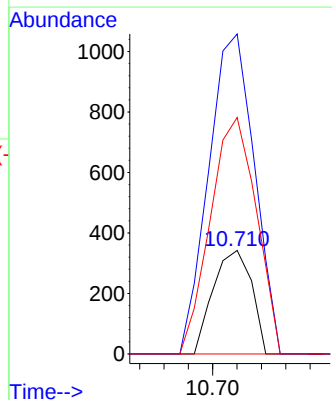
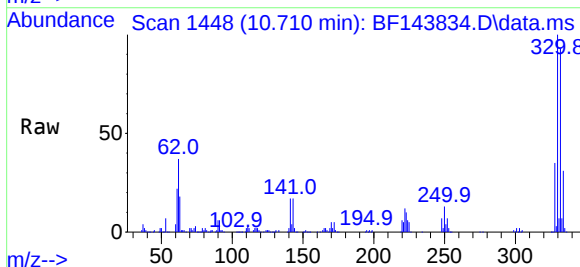
Instrument :
BNA_F
ClientSampleId :
SP6874

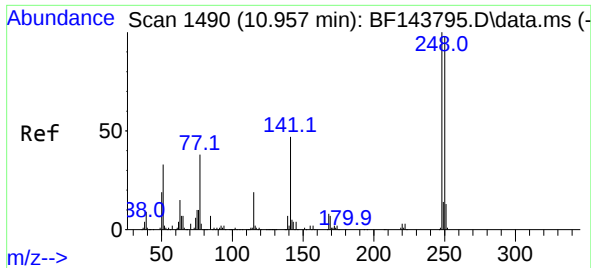
Tgt Ion:188 Resp: 504561
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 10.0 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.393 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 309.4 52.0 92.0#
105 228.7 27.5 67.5#

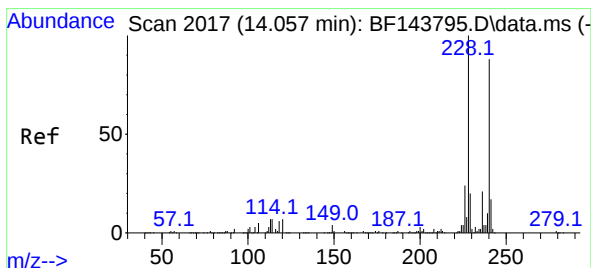
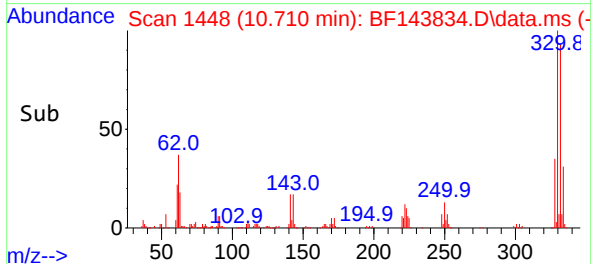
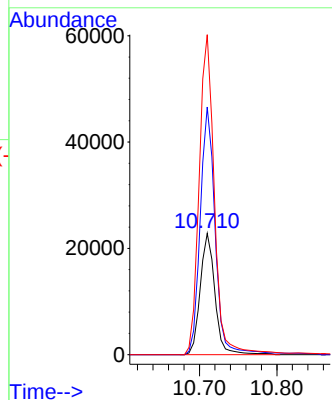
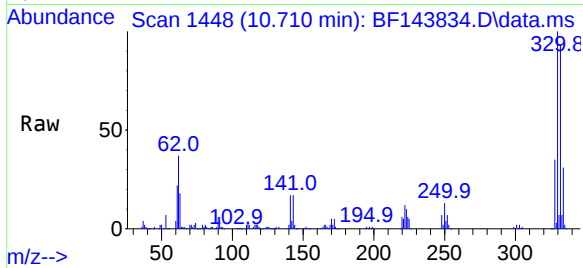




#67
4-Bromophenyl-phenylether
Concen: 3.505 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

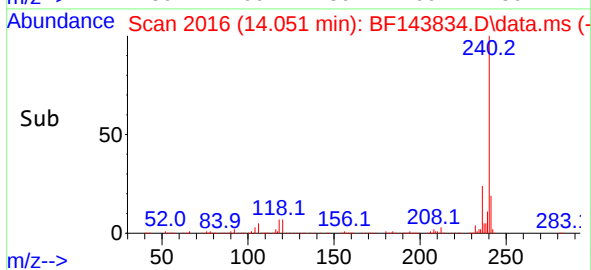
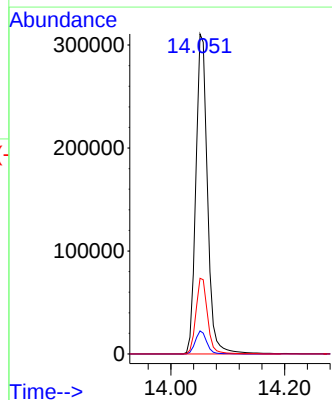
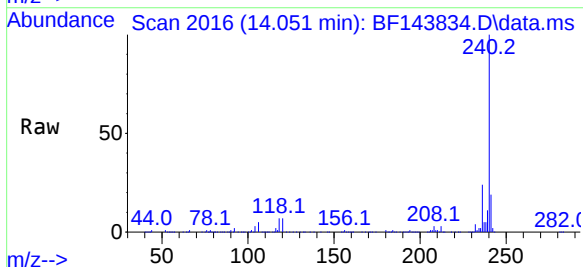
Instrument :
BNA_F
ClientSampleId :
SP6874

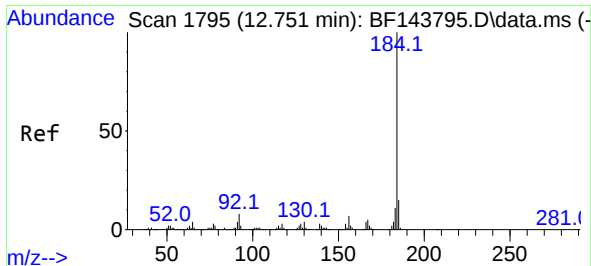
Tgt Ion:248 Resp: 30139
Ion Ratio Lower Upper
248 100
250 204.2 78.7 118.1#
141 263.8 37.9 56.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:240 Resp: 443768
Ion Ratio Lower Upper
240 100
120 7.2 6.2 9.4
236 23.7 19.4 29.2

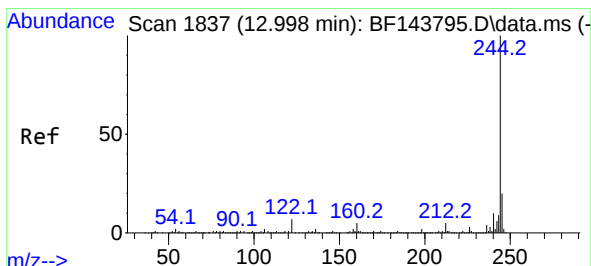
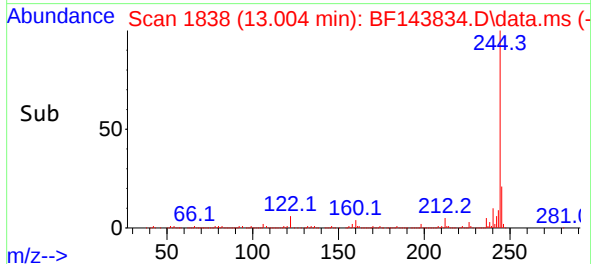
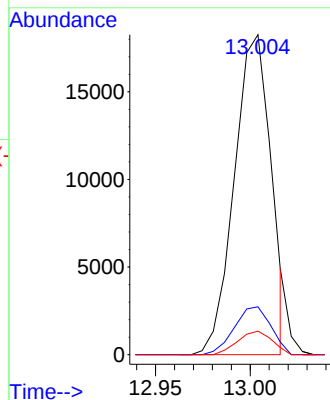
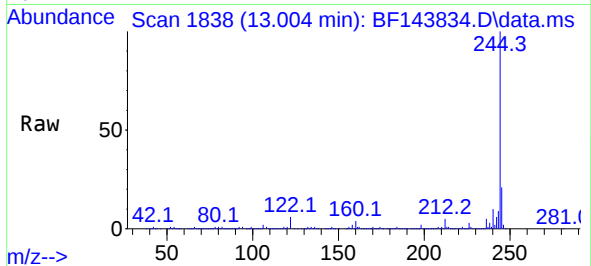




#77
Benzidine
Concen: 2.279 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.253 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

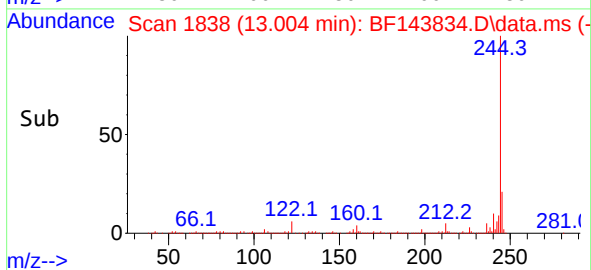
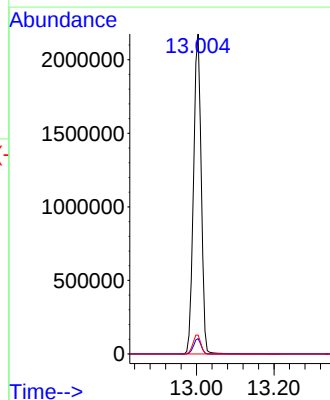
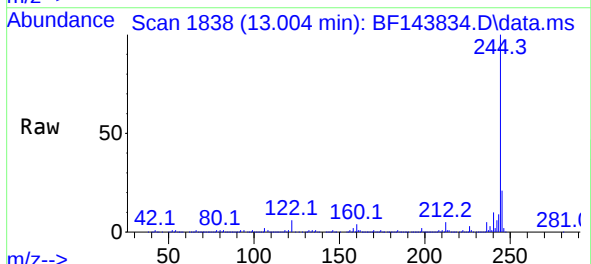
Instrument :
BNA_F
ClientSampleId :
SP6874

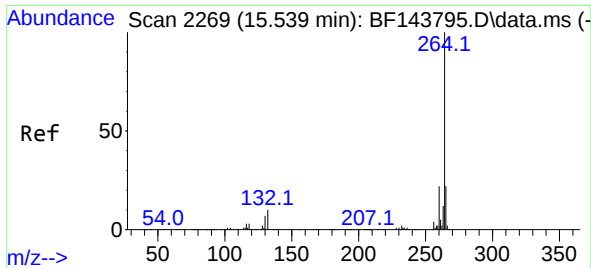
Tgt Ion:184 Resp: 24640
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 7.3 8.6 13.0#



#79
Terphenyl-d14
Concen: 137.210 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF143834.D
Acq: 30 Sep 2025 15:33

Tgt Ion:244 Resp: 2993964
Ion Ratio Lower Upper
244 100
212 4.8 3.9 5.9
122 5.9 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: BF143834.D
 Acq: 30 Sep 2025 15:33

Instrument :
 BNA_F
 ClientSampleId :
 SP6874

Tgt Ion:264 Resp: 511580
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.9 26.9
 265 22.7 17.7 26.5

