

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143761.D
 Acq On : 15 Sep 2025 19:56
 Operator : RC/JU
 Sample : Q3082-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-32

Quant Time: Sep 16 01:09:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

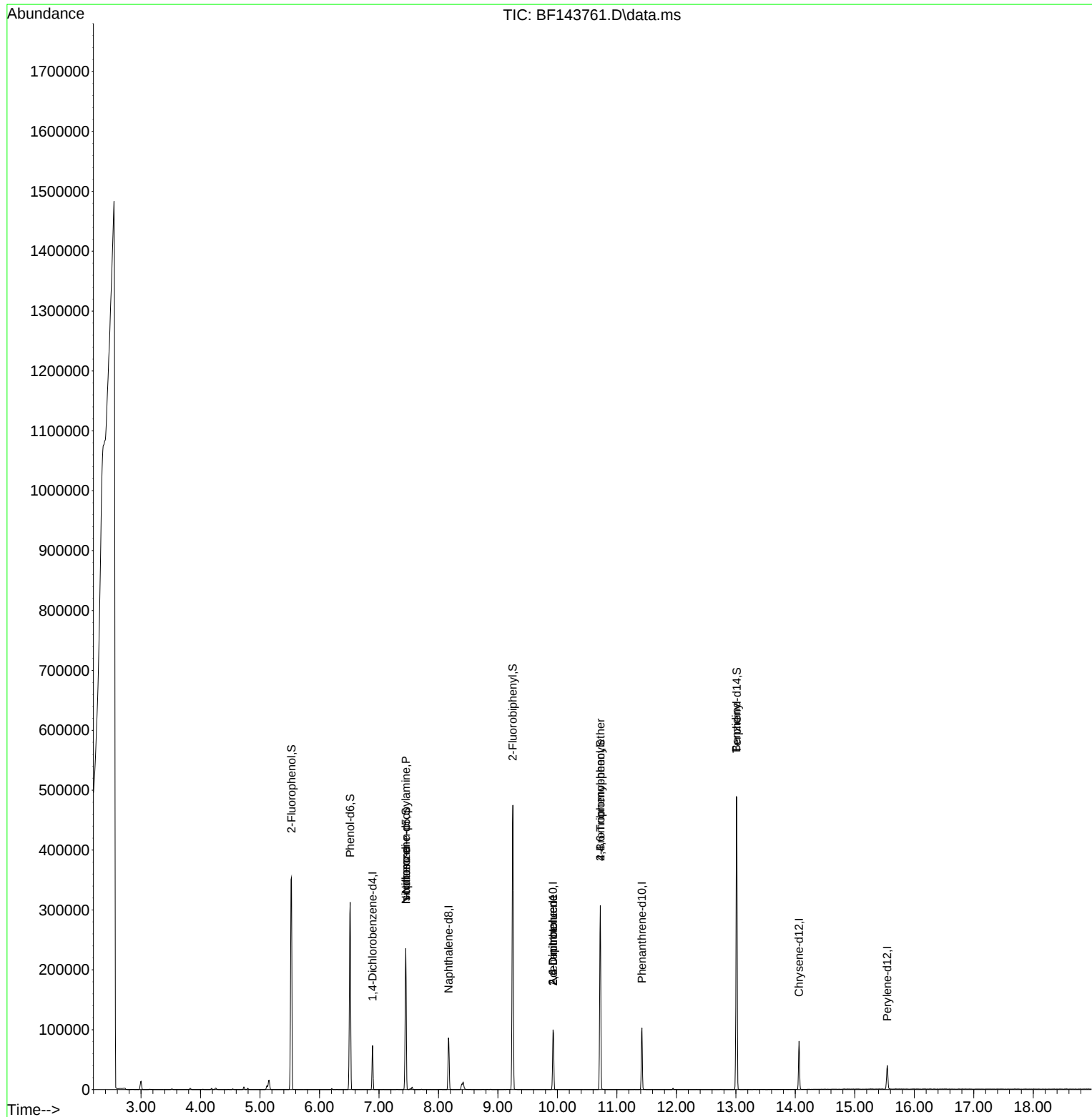
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	16086	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	61476	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	34171	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	57339	20.000	ng	0.01
76) Chrysene-d12	14.063	240	41108	20.000	ng	0.02
86) Perylene-d12	15.545	264	25561	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	154851	164.241	ng	0.03
7) Phenol-d6	6.516	99	174904	152.357	ng	0.01
23) Nitrobenzene-d5	7.451	82	111203	112.514	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	59823	173.719	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	248649	109.922	ng	0.00
79) Terphenyl-d14	13.016	244	267724	105.540	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	14291	20.269	ng	# 78
25) Isophorone	7.451	82	111223	58.687	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	4358	10.252	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	4358	7.533	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	4075	5.893	ng	# 1
77) Benzidine	13.010	184	2897	2.161	ng	# 92

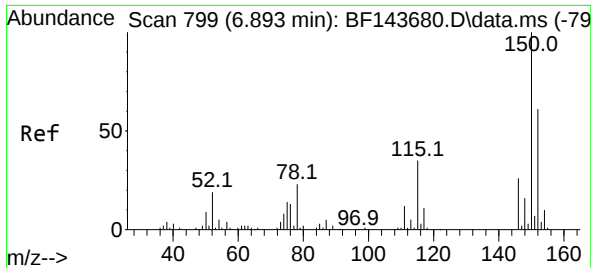
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 09 15:20:16 2025
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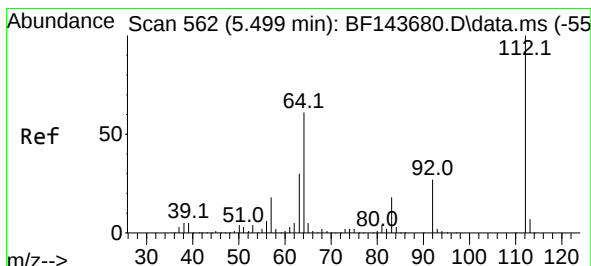
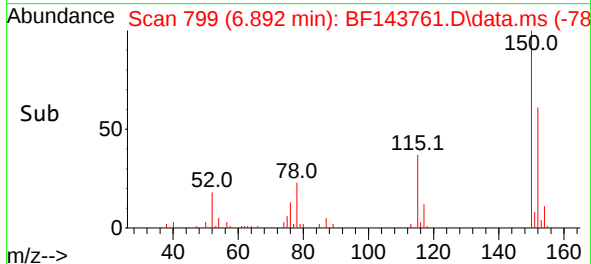
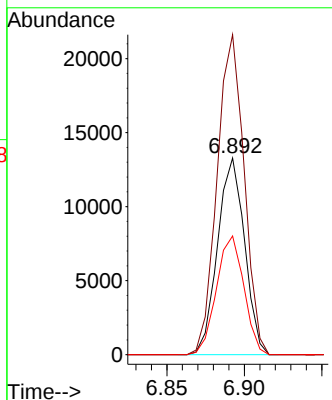
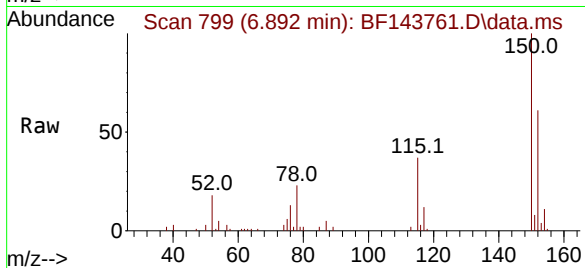




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF143761.D
 Acq: 15 Sep 2025 19:56

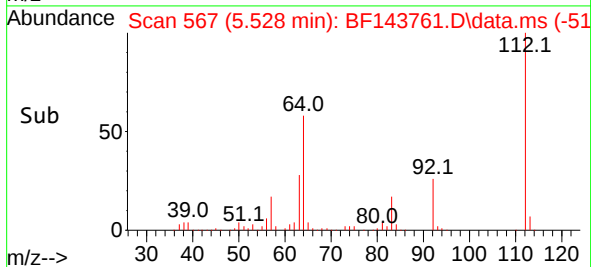
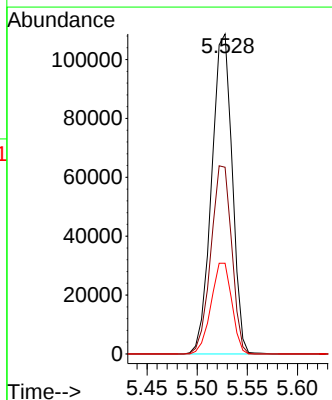
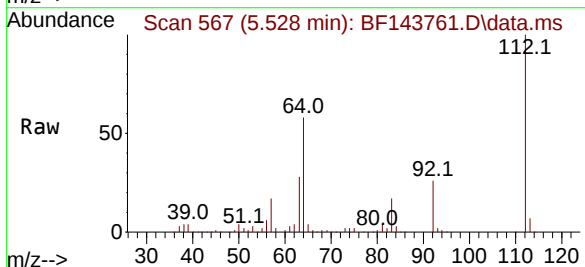
Instrument :
 BNA_F
 ClientSampleId :
 WC-32

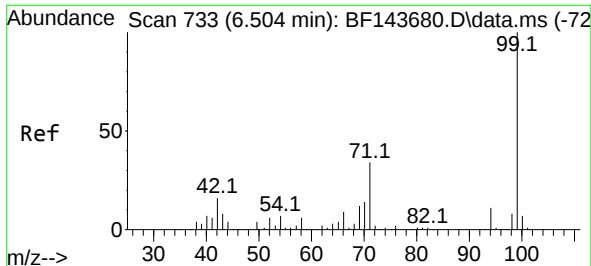
Tgt Ion:152 Resp: 16086
 Ion Ratio Lower Upper
 152 100
 150 162.8 130.7 196.1
 115 60.4 45.9 68.9



#5
 2-Fluorophenol
 Concen: 164.241 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.029 min
 Lab File: BF143761.D
 Acq: 15 Sep 2025 19:56

Tgt Ion:112 Resp: 154851
 Ion Ratio Lower Upper
 112 100
 64 58.3 49.0 73.4
 63 28.3 24.3 36.5

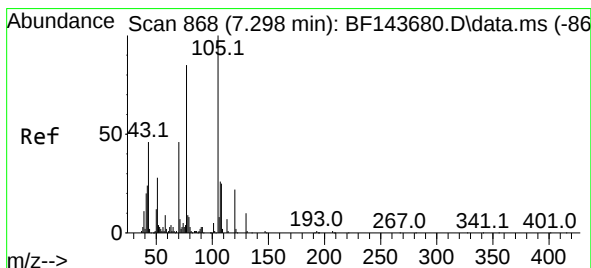
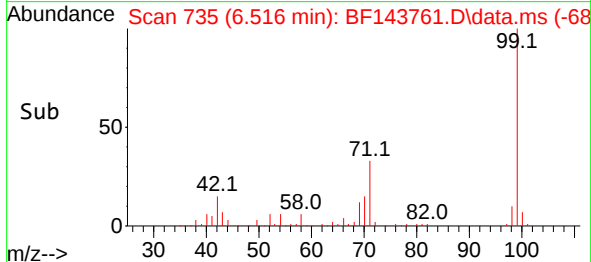
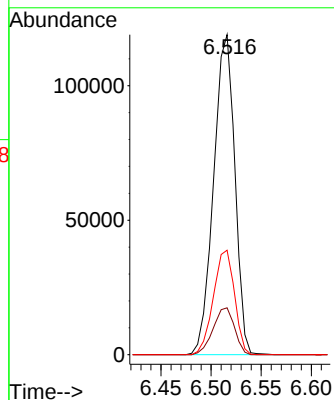
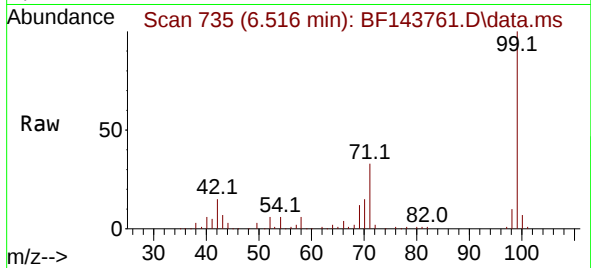




#7
Phenol-d6
Concen: 152.357 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

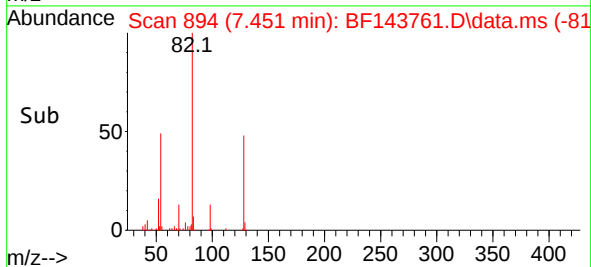
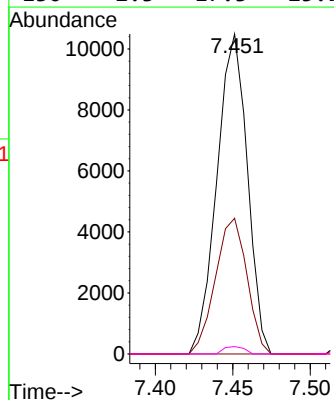
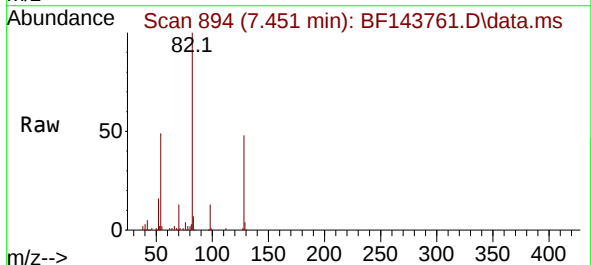
Instrument :
BNA_F
ClientSampleId :
WC-32

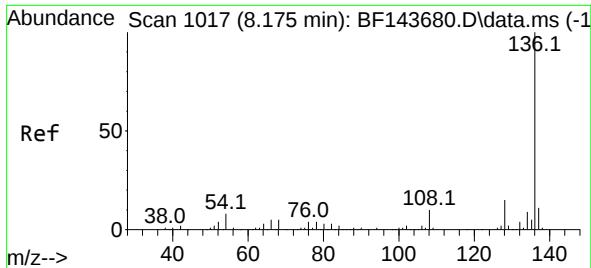
Tgt Ion: 99 Resp: 174904
Ion Ratio Lower Upper
99 100
42 14.7 13.0 19.4
71 32.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.269 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

Tgt Ion: 70 Resp: 14291
Ion Ratio Lower Upper
70 100
42 42.4 41.4 62.2
101 0.0 8.1 12.1#
130 2.3 17.3 25.9#

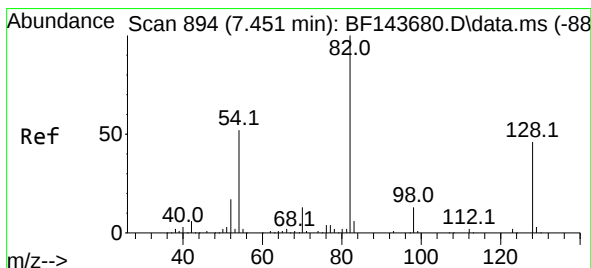
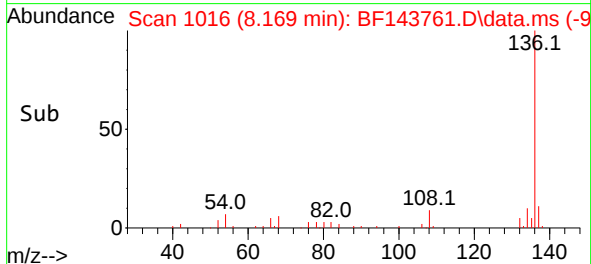
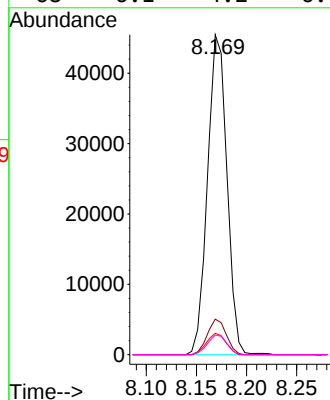
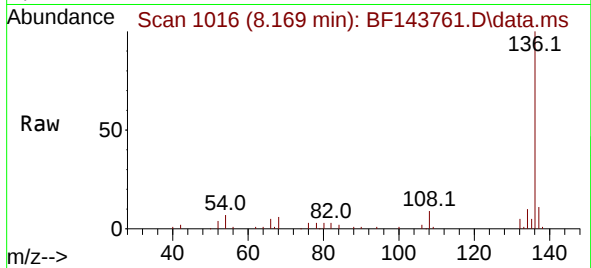




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

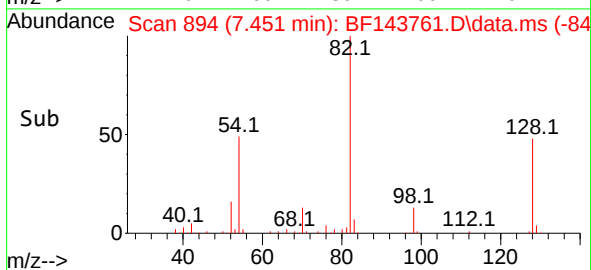
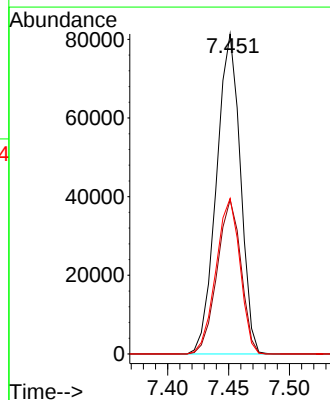
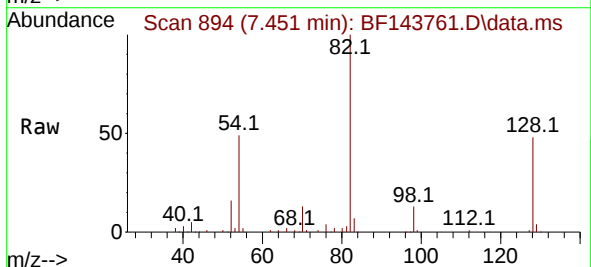
Instrument :
BNA_F
ClientSampleId :
WC-32

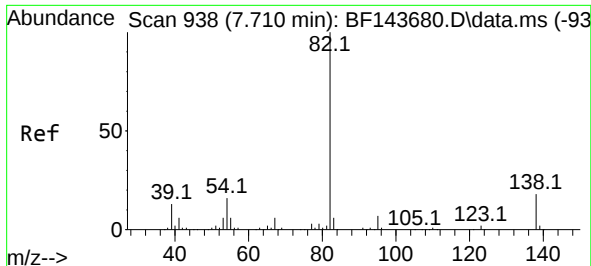
Tgt Ion:136	Resp:	61476
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.7 13.1
54	6.7	6.2 9.2
68	6.1	4.2 6.4



#23
Nitrobenzene-d5
Concen: 112.514 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

Tgt Ion: 82	Resp:	111203
Ion	Ratio	Lower Upper
82	100	
128	48.2	37.0 55.4
54	48.6	41.8 62.8

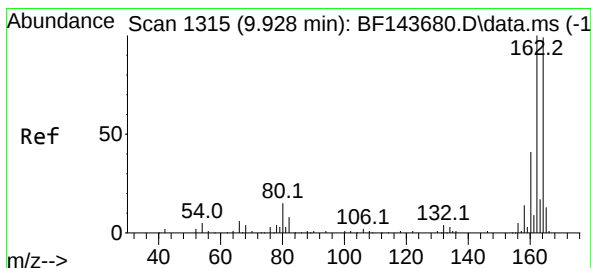
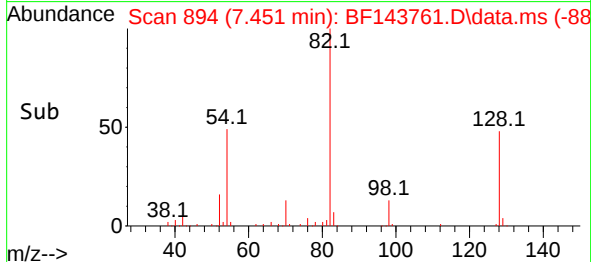
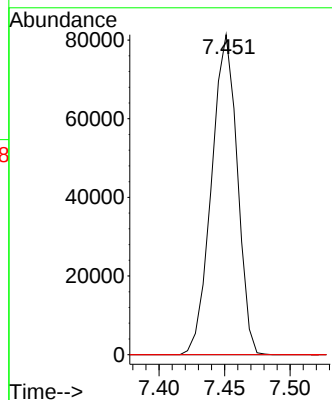
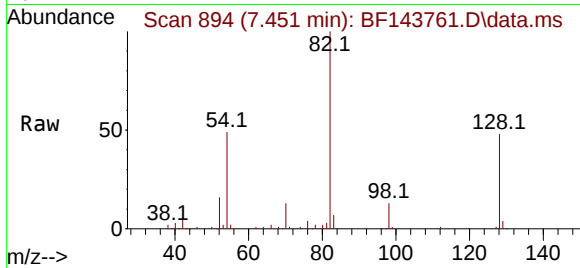




#25
Isophorone
Concen: 58.687 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

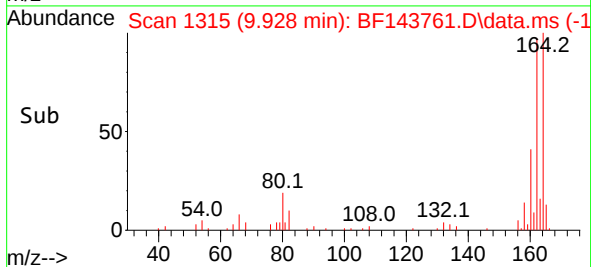
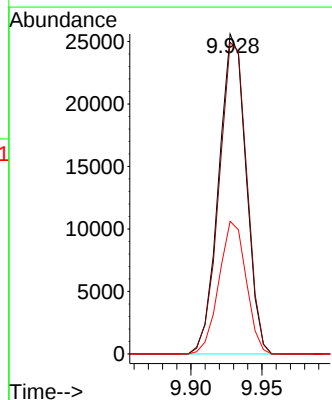
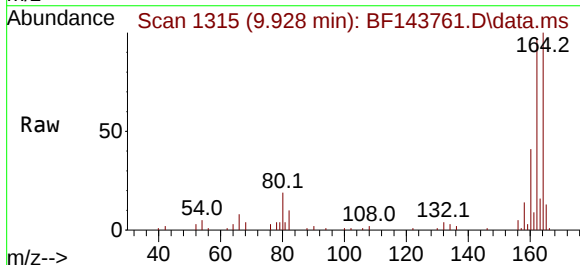
Instrument :
BNA_F
ClientSampleId :
WC-32

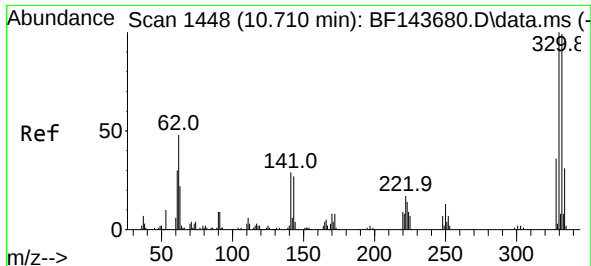
Tgt Ion: 82 Resp: 111223
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

Tgt Ion: 164 Resp: 34171
Ion Ratio Lower Upper
164 100
162 97.4 80.6 121.0
160 41.4 33.0 49.4

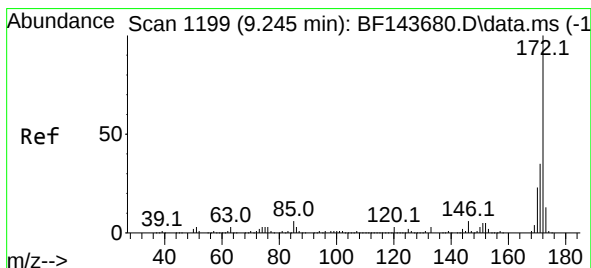
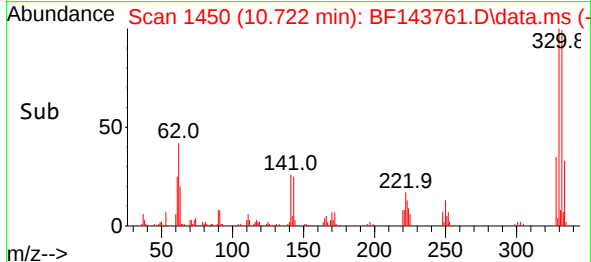
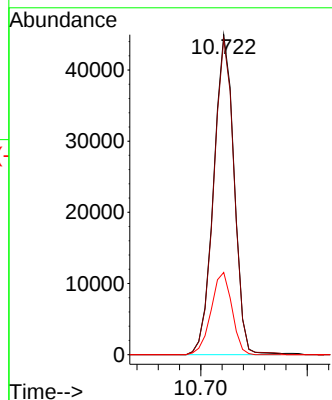
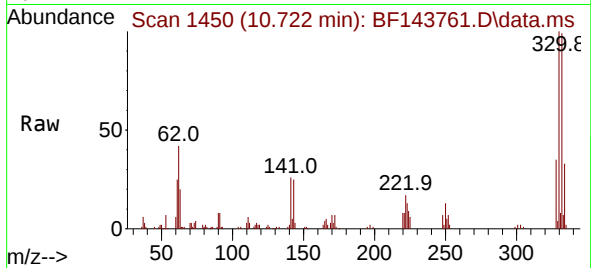




#42
2,4,6-Tribromophenol
Concen: 173.719 ng
RT: 10.722 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

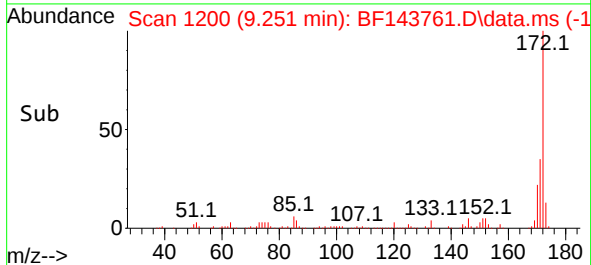
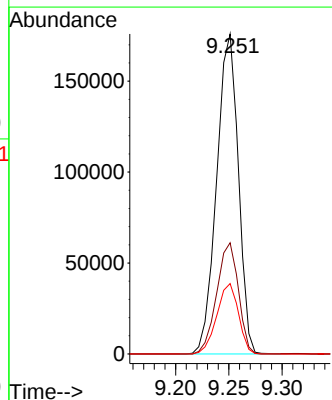
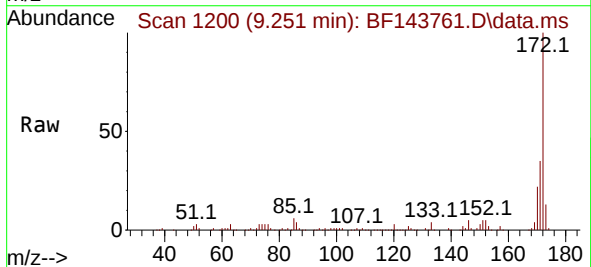
Instrument :
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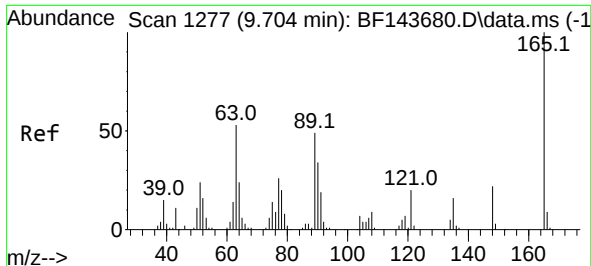
Tgt Ion:330 Resp: 59823
Ion Ratio Lower Upper
330 100
332 98.5 79.2 118.8
141 26.1 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 109.922 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143761.D
Acq: 15 Sep 2025 19:56

Tgt Ion:172 Resp: 248649
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 22.0 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 10.252 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.223 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

Instrument :

BNA_F

ClientSampleId :

WC-32

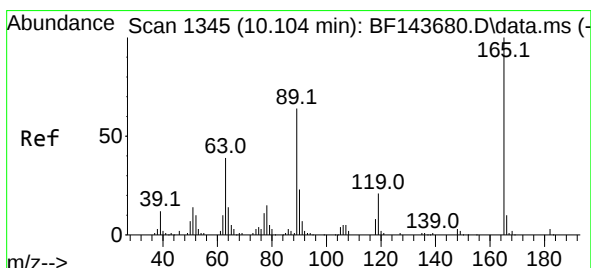
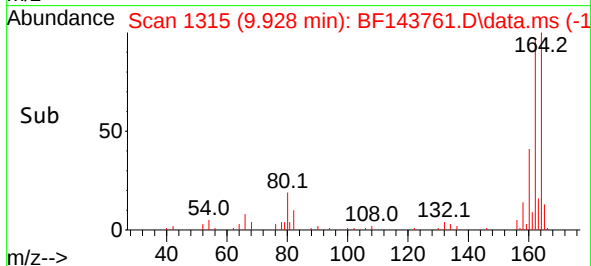
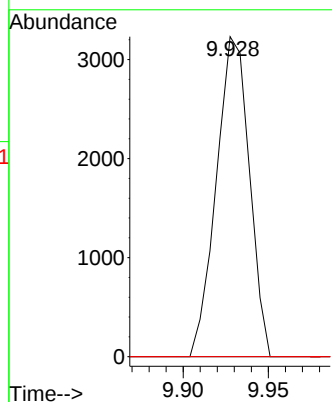
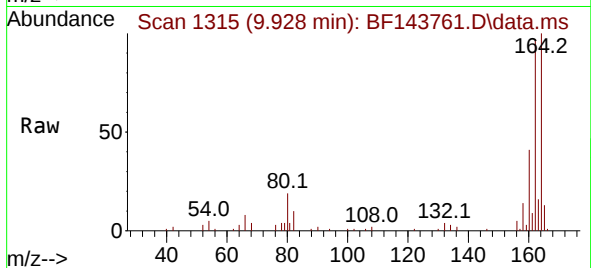
Tgt Ion:165 Resp: 4358

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.533 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.177 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

Tgt Ion:165 Resp: 4358

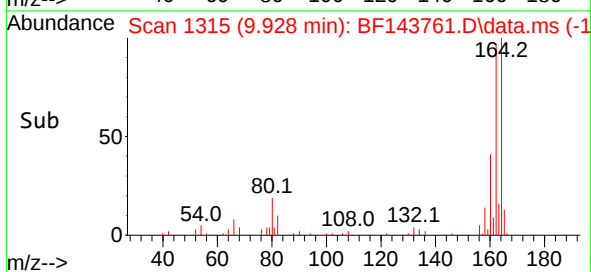
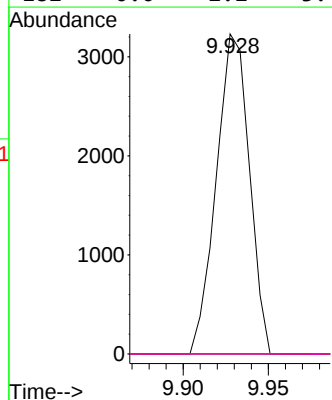
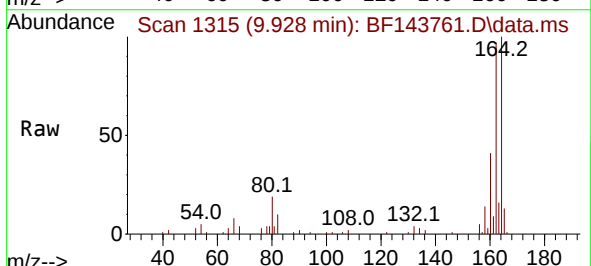
Ion Ratio Lower Upper

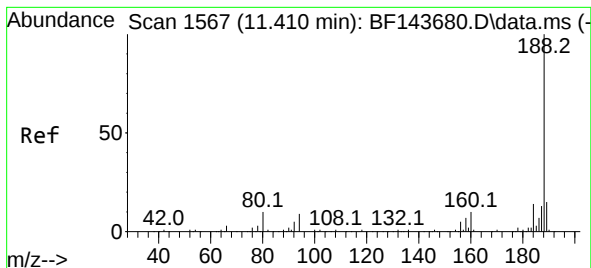
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

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WC-32

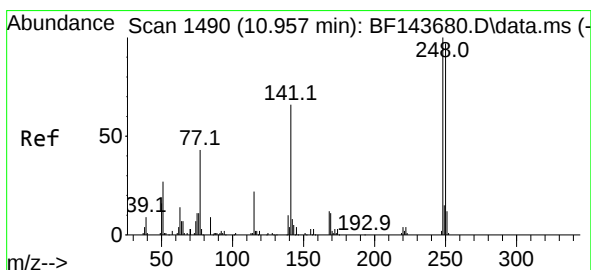
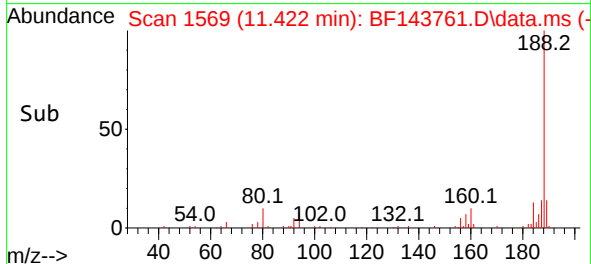
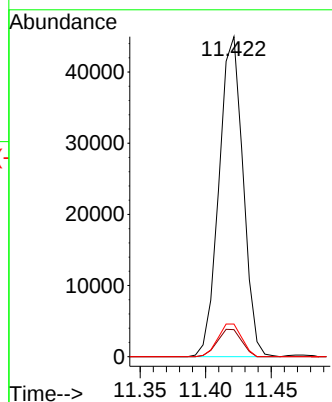
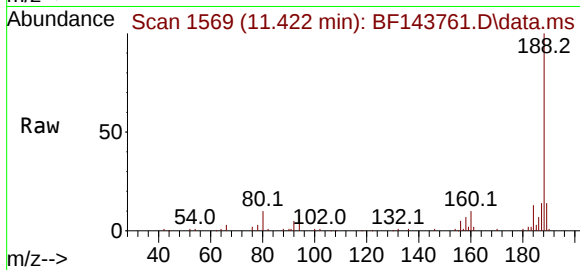
Tgt Ion:188 Resp: 57339

Ion Ratio Lower Upper

188 100

94 8.4 7.4 11.0

80 10.2 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 5.893 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.235 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

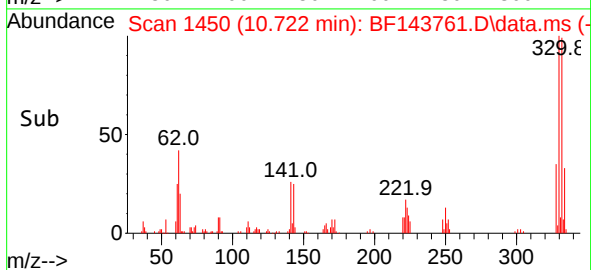
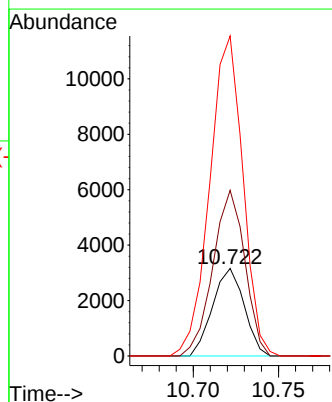
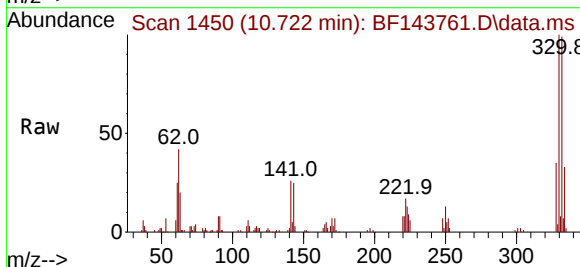
Tgt Ion:248 Resp: 4075

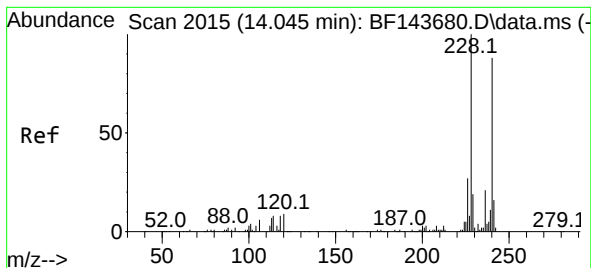
Ion Ratio Lower Upper

248 100

250 189.3 77.5 116.3#

141 365.8 52.6 79.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

Instrument :

BNA_F

ClientSampleId :

WC-32

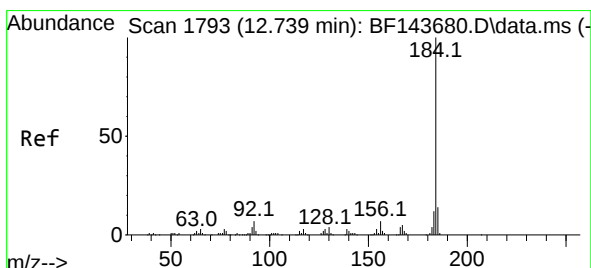
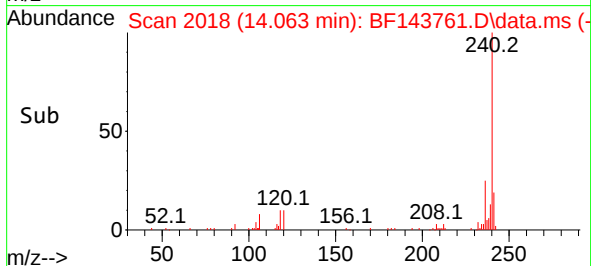
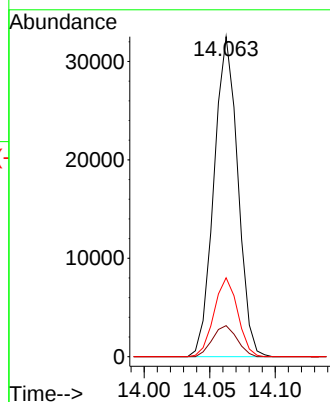
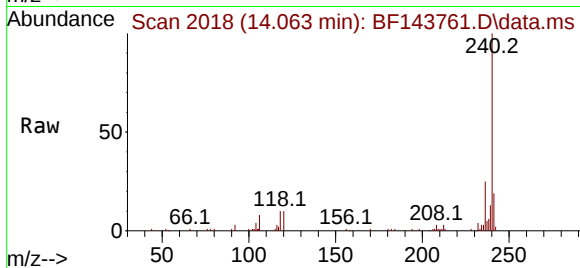
Tgt Ion:240 Resp: 41108

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 24.6 18.6 28.0



#77

Benzidine

Concen: 2.161 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.270 min

Lab File: BF143761.D

Acq: 15 Sep 2025 19:56

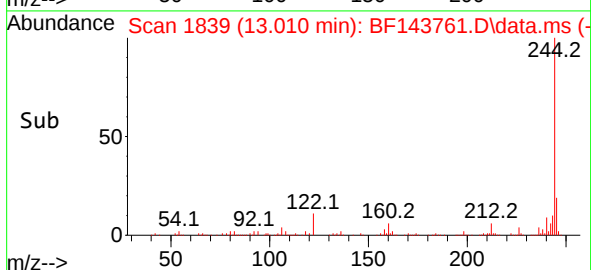
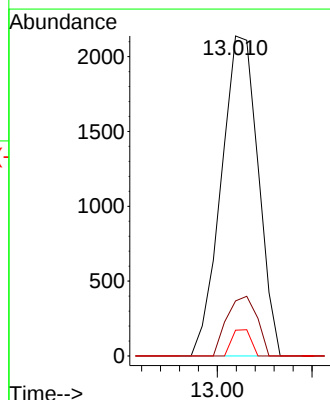
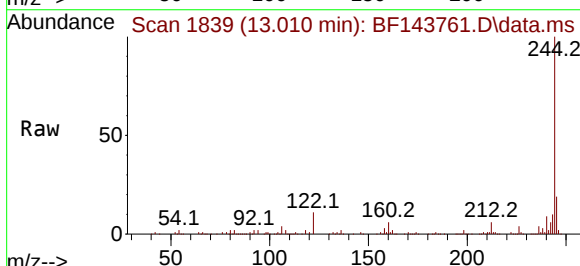
Tgt Ion:184 Resp: 2897

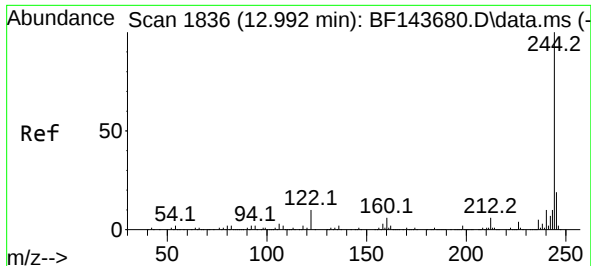
Ion Ratio Lower Upper

184 100

185 17.2 11.5 17.3

183 8.0 9.4 14.2#

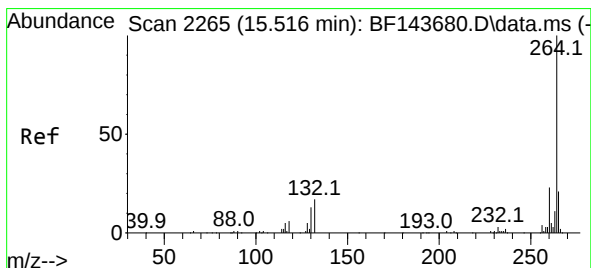
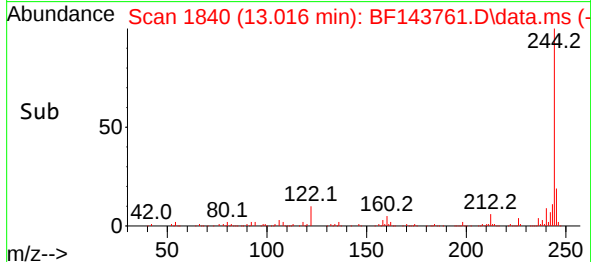
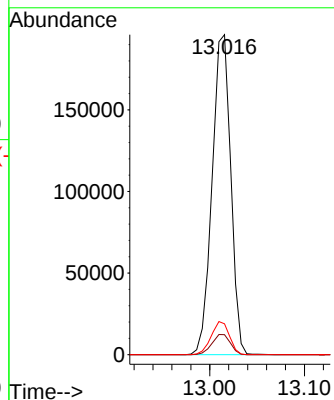
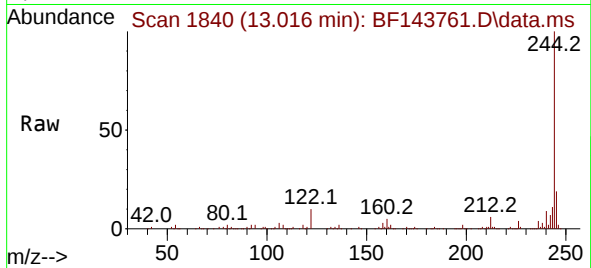




#79
 Terphenyl-d14
 Concen: 105.540 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: BF143761.D
 Acq: 15 Sep 2025 19:56

Instrument :
 BNA_F
 ClientSampleId :
 WC-32

Tgt Ion:244 Resp: 267724
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.6
 122 9.6 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.029 min
 Lab File: BF143761.D
 Acq: 15 Sep 2025 19:56

Tgt Ion:264 Resp: 25561
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.4 27.6
 265 22.3 17.1 25.7

