

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143863.D
 Acq On : 02 Oct 2025 19:09
 Operator : RC/JU
 Sample : Q3266-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:26:58 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)

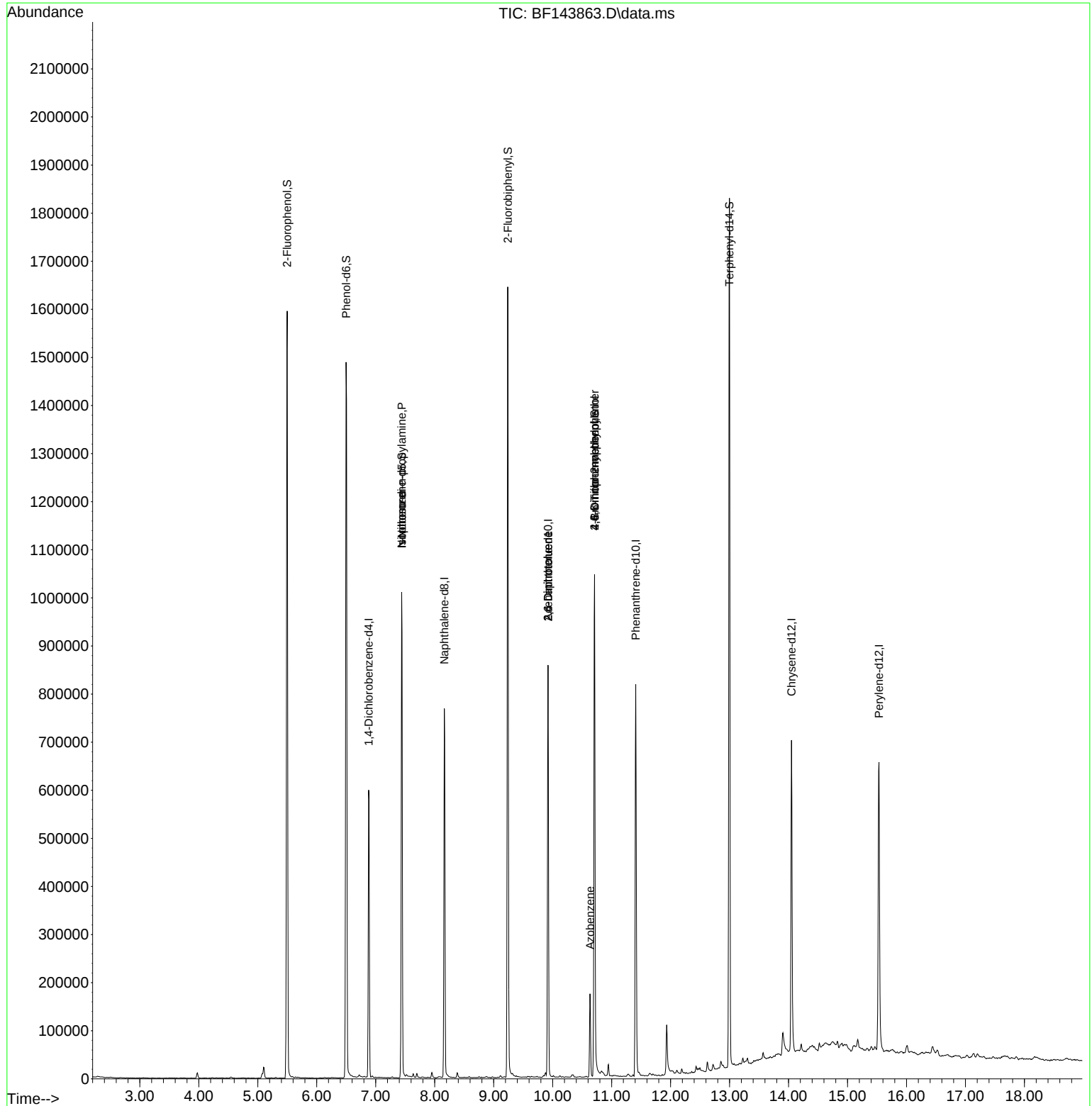
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126293	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	481036	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	258523	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	433428	20.000	ng	0.00
76) Chrysene-d12	14.051	240	360731	20.000	ng	-0.01
86) Perylene-d12	15.533	264	444342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	573216	73.742	ng	0.00
7) Phenol-d6	6.498	99	682521	75.991	ng	-0.01
23) Nitrobenzene-d5	7.440	82	418579	53.264	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	208208	54.393	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	757353	45.715	ng	0.00
79) Terphenyl-d14	12.998	244	1030370	58.091	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	59397	10.284	ng	Qvalue # 69
25) Isophorone	7.440	82	411406	26.865	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	32945	12.726	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	32945	10.972	ng	# 19
63) Azobenzene	10.633	77	42971	2.764	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	252	4.343	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	16028	2.170	ng	# 1

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

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ClientSampleId :

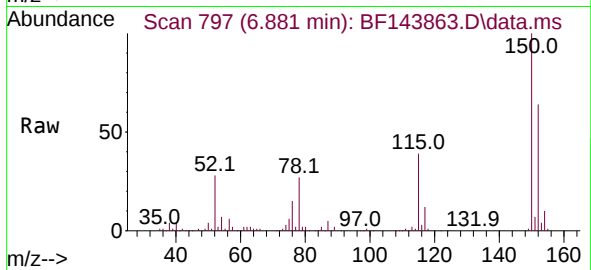
Quant Time: Oct 03 01:26:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
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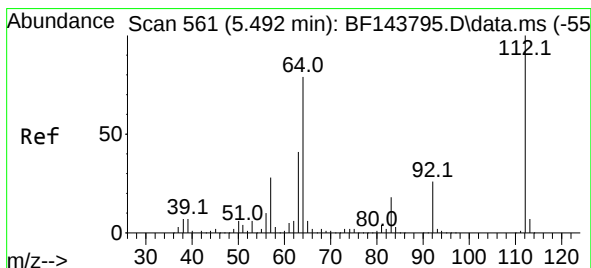
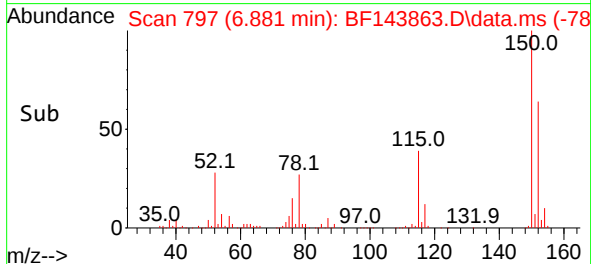
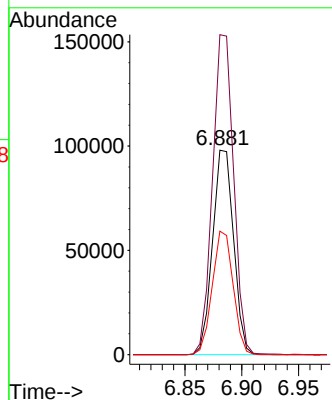


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Instrument :
BNA_F
ClientSampleId :

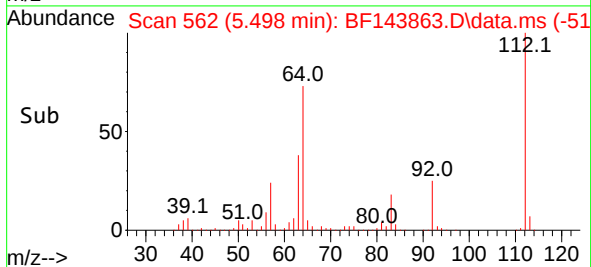
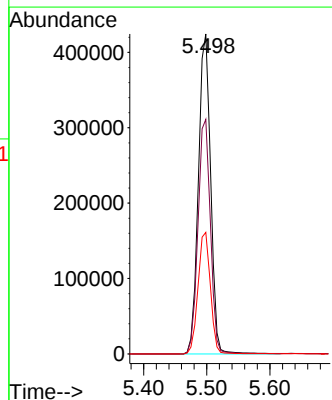
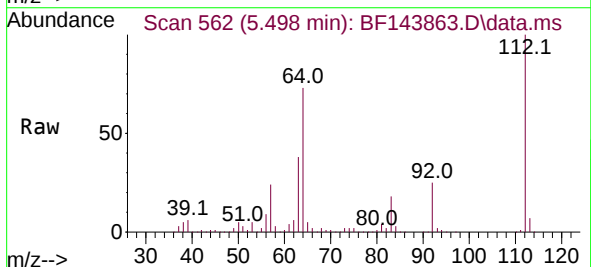


Tgt Ion:152 Resp: 126293
Ion Ratio Lower Upper
152 100
150 156.5 129.6 194.4
115 60.4 49.0 73.4



#5
2-Fluorophenol
Concen: 73.742 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Tgt Ion:112 Resp: 573216
Ion Ratio Lower Upper
112 100
64 73.3 63.0 94.4
63 38.0 32.6 49.0

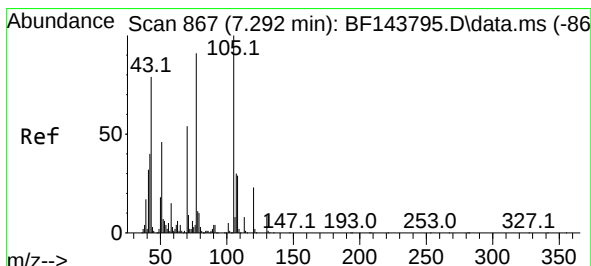
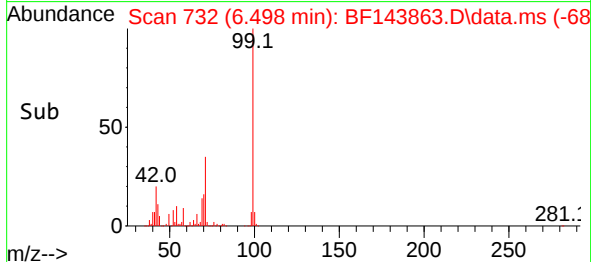
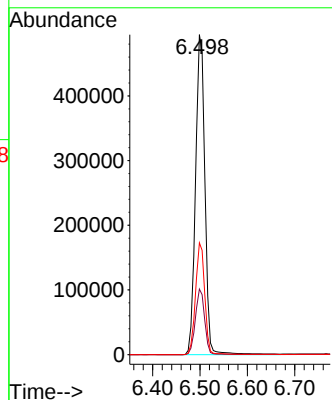
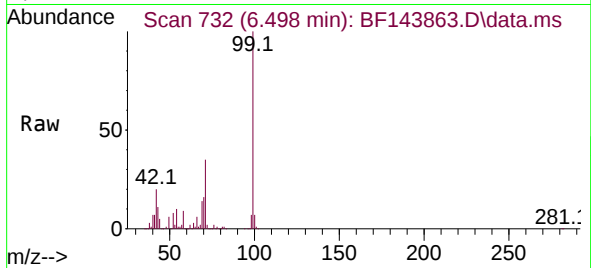




#7
Phenol-d6
Concen: 75.991 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

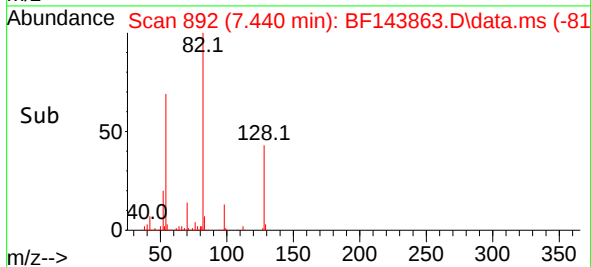
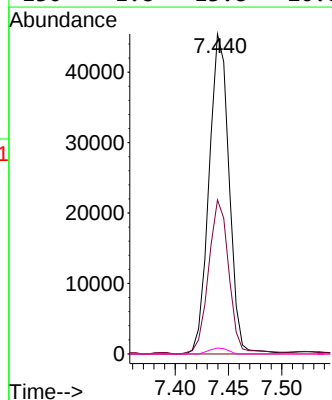
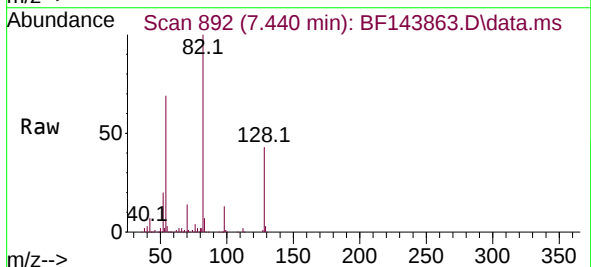
Instrument :
BNA_F
ClientSampleId :

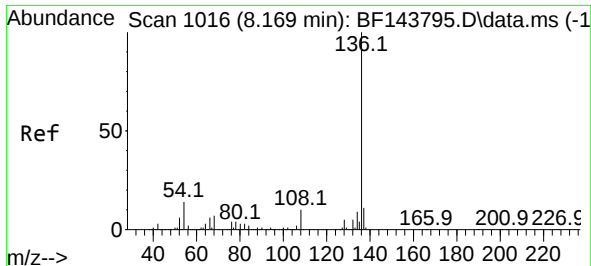
Tgt Ion: 99 Resp: 682521
Ion Ratio Lower Upper
99 100
42 20.5 18.6 28.0
71 34.9 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.284 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

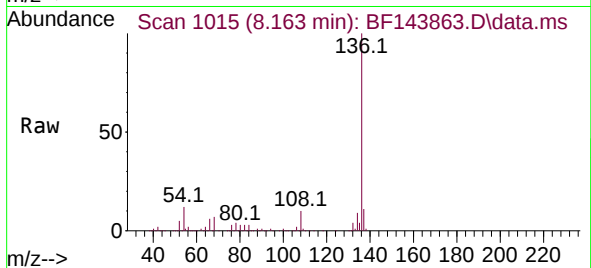
Tgt Ion: 70 Resp: 59397
Ion Ratio Lower Upper
70 100
42 48.1 59.4 89.0#
101 0.0 7.1 10.7#
130 1.8 13.8 20.8#



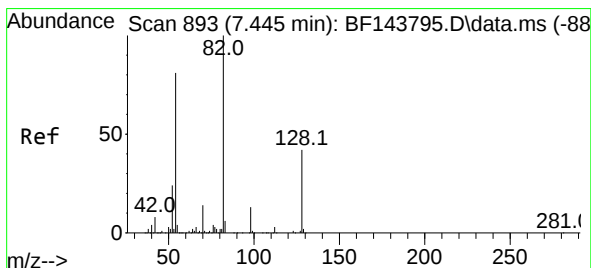
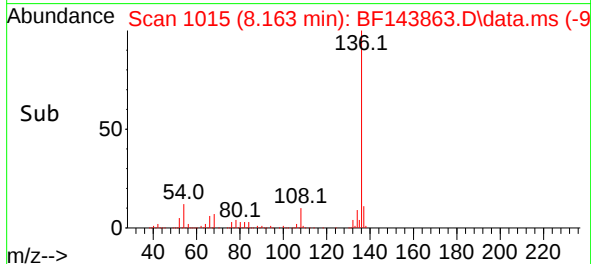
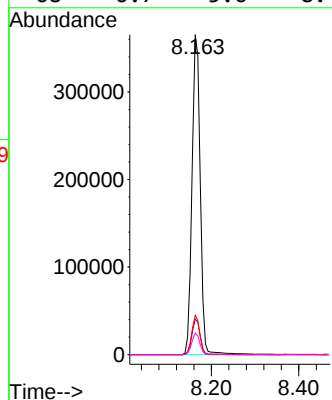


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Instrument :
BNA_F
ClientSampleId :

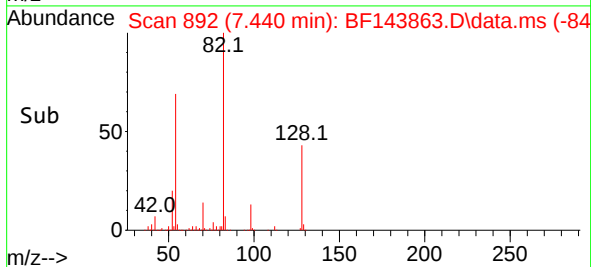
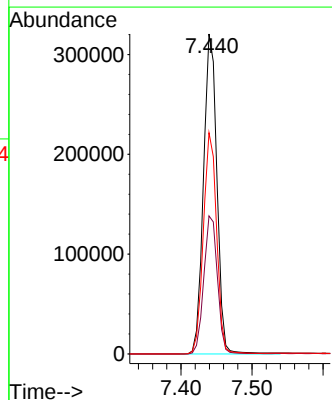
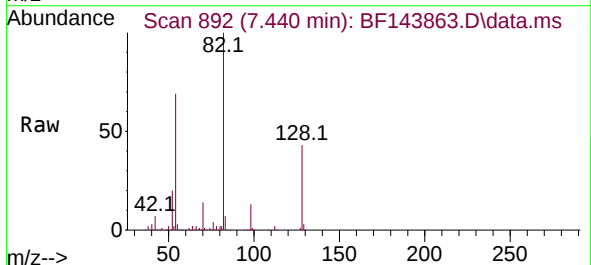


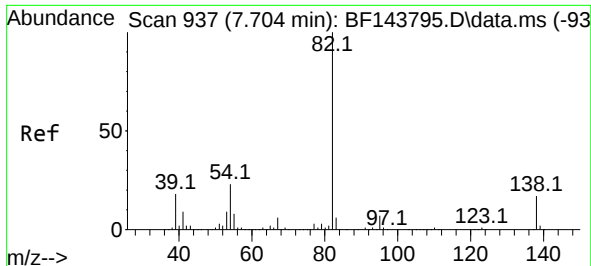
Tgt Ion:136 Resp: 481036
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 12.3 11.2 16.8
68 6.7 5.6 8.4



#23
Nitrobenzene-d5
Concen: 53.264 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Tgt Ion: 82 Resp: 418579
Ion Ratio Lower Upper
82 100
128 43.1 33.3 49.9
54 69.1 64.2 96.4

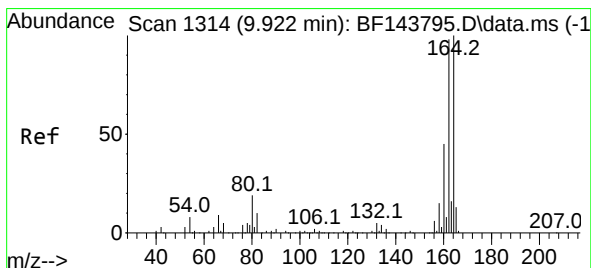
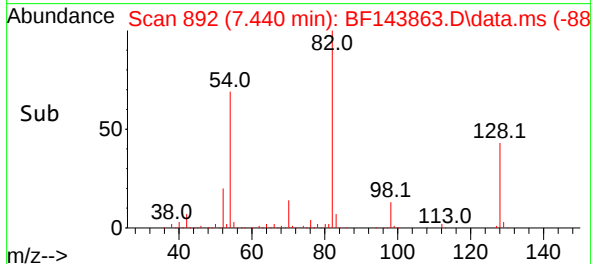
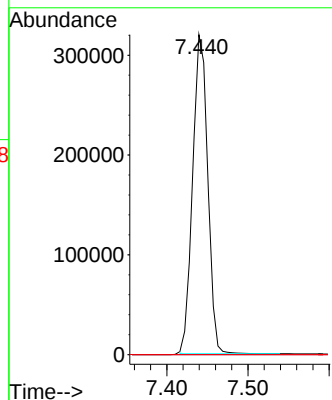
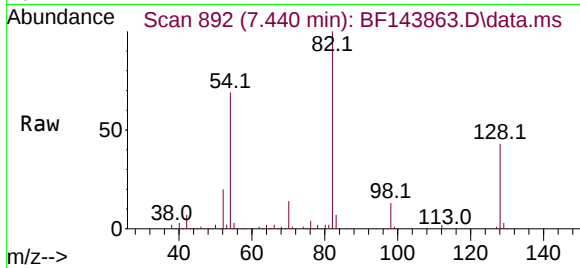




#25
Isophorone
Concen: 26.865 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

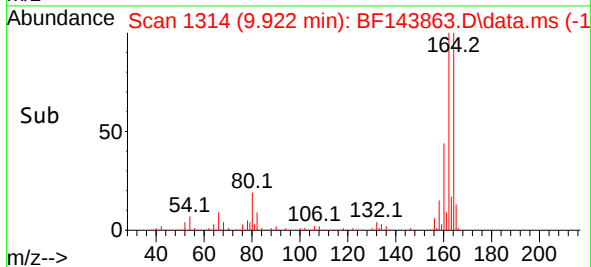
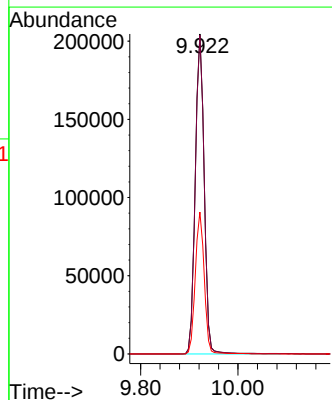
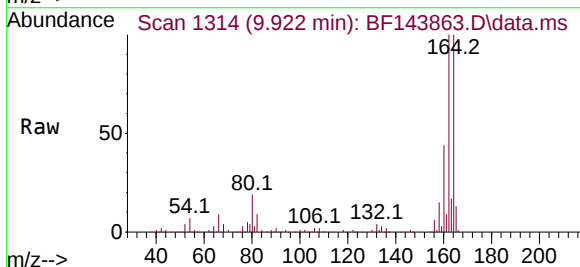
Instrument :
BNA_F
ClientSampleId :

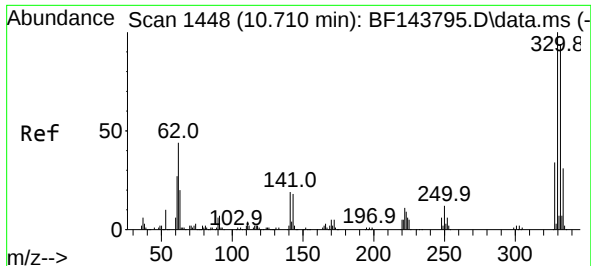
Tgt Ion: 82 Resp: 411406
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Tgt Ion:164 Resp: 258523
Ion Ratio Lower Upper
164 100
162 99.6 78.8 118.2
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 54.393 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

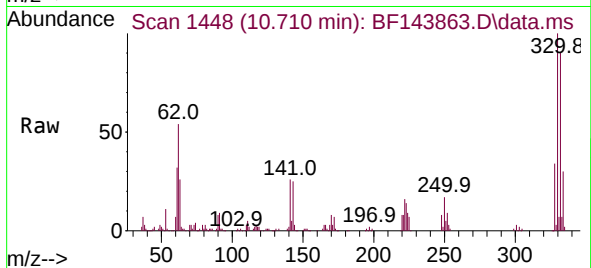
Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

Instrument :

BNA_F

ClientSampleId :



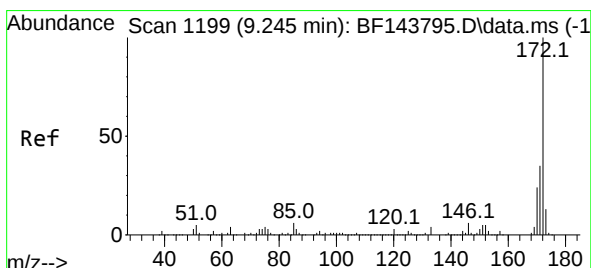
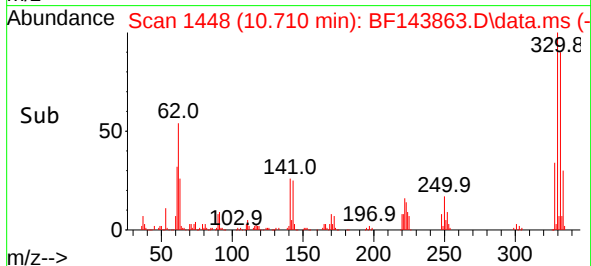
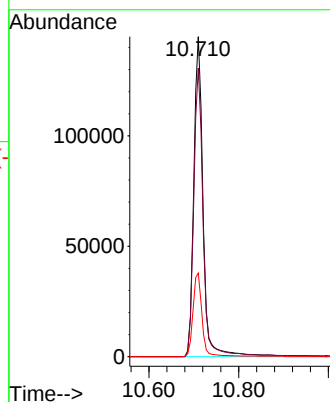
Tgt Ion:330 Resp: 208208

Ion Ratio Lower Upper

330 100

332 91.7 74.7 112.1

141 25.3 14.3 21.5#



#45

2-Fluorobiphenyl

Concen: 45.715 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

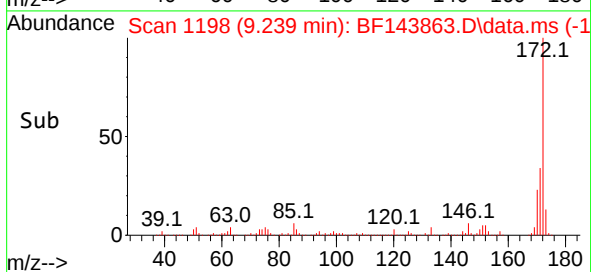
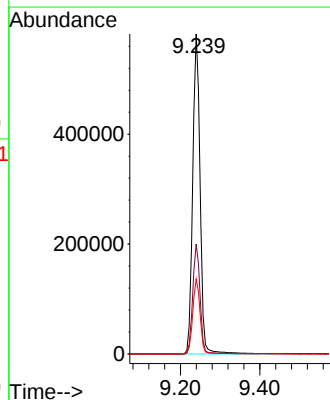
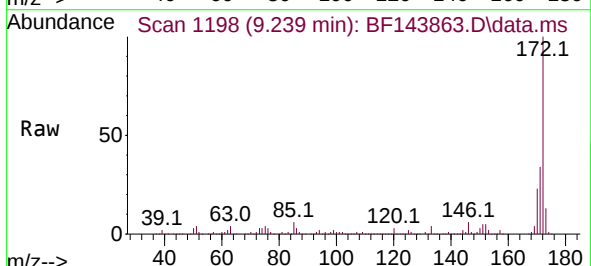
Tgt Ion:172 Resp: 757353

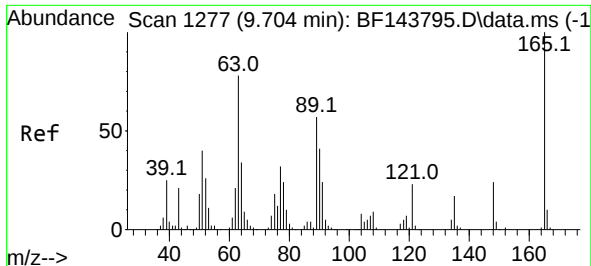
Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.726 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

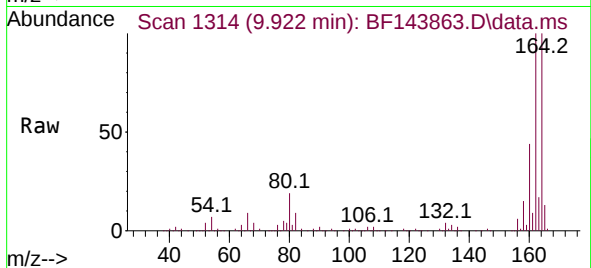
Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

Instrument :

BNA_F

ClientSampleId :



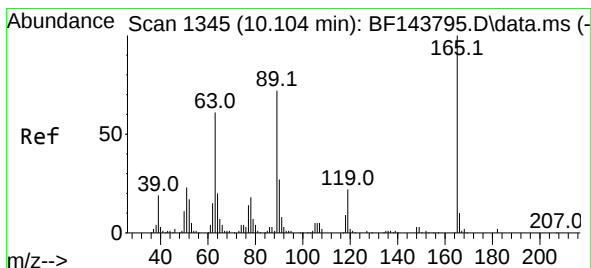
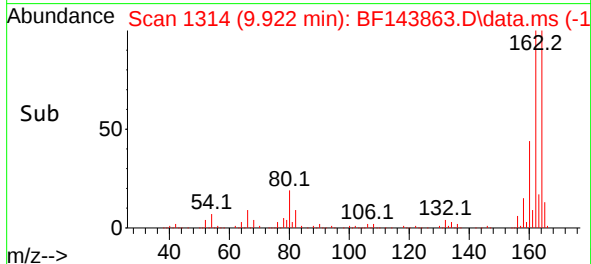
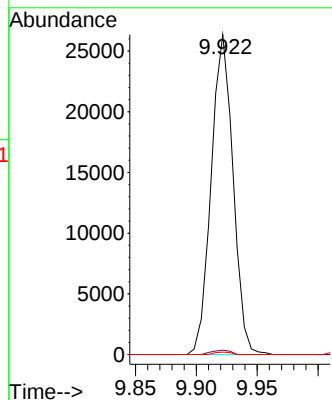
Tgt Ion:165 Resp: 32945

Ion Ratio Lower Upper

165 100

63 1.4 62.6 94.0#

89 0.8 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 10.972 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

Tgt Ion:165 Resp: 32945

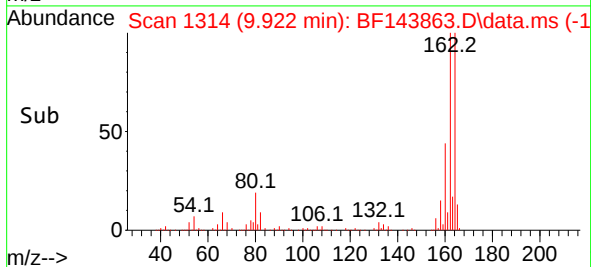
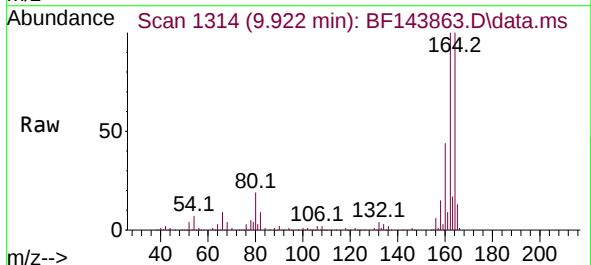
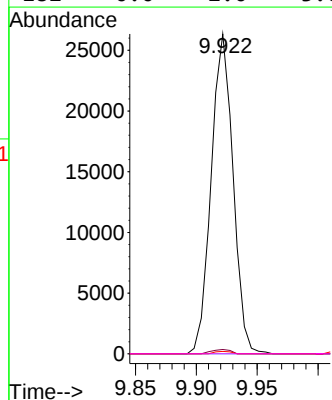
Ion Ratio Lower Upper

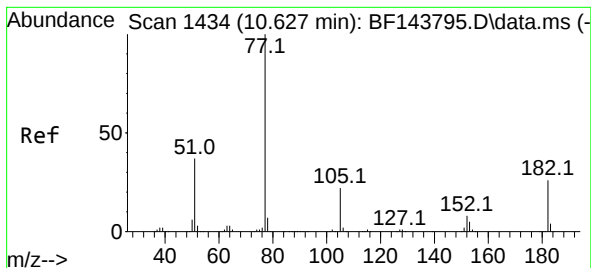
165 100

63 1.4 48.9 73.3#

89 0.8 57.5 86.3#

182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.764 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 42971

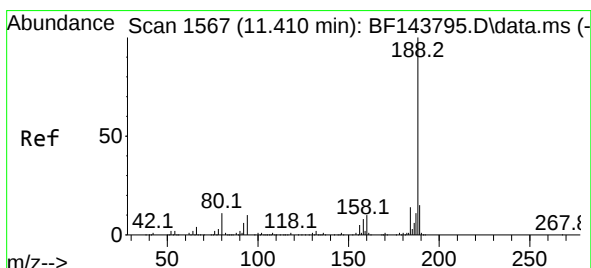
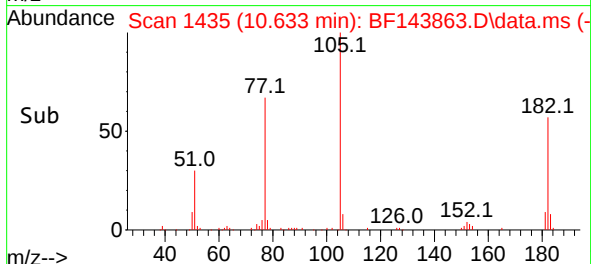
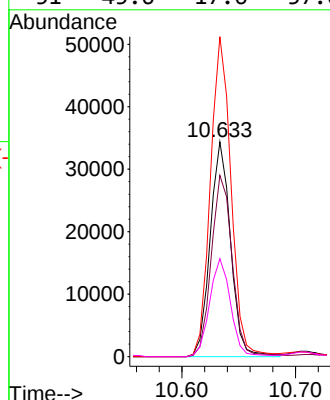
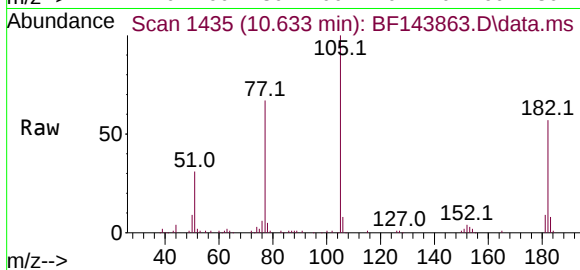
Ion Ratio Lower Upper

77 100

182 84.3 5.9 45.9#

105 149.0 2.3 42.3#

51 45.6 17.6 57.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

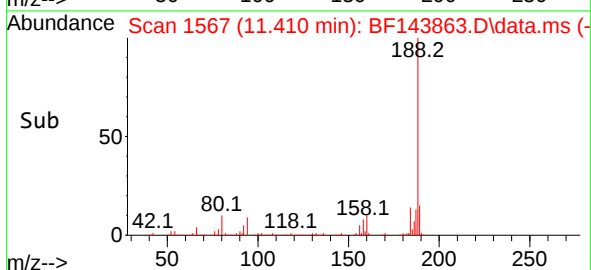
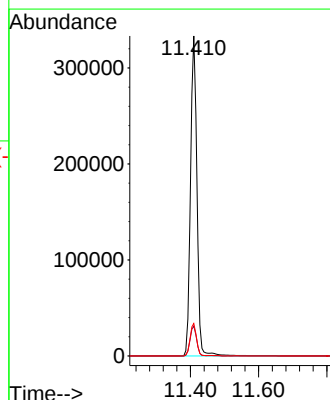
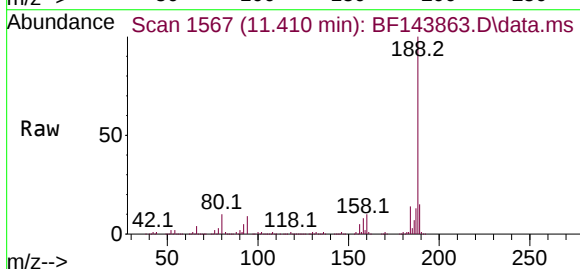
Tgt Ion: 188 Resp: 433428

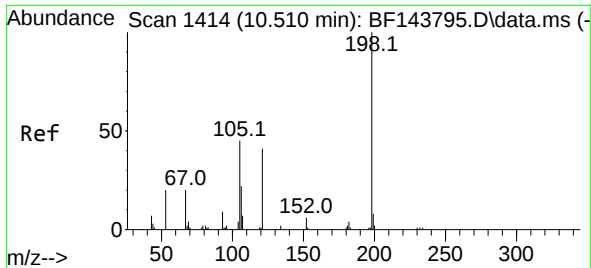
Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 10.1 8.6 12.8

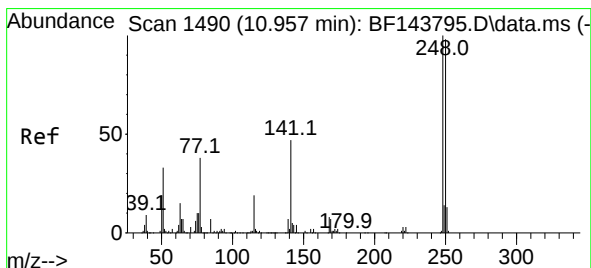
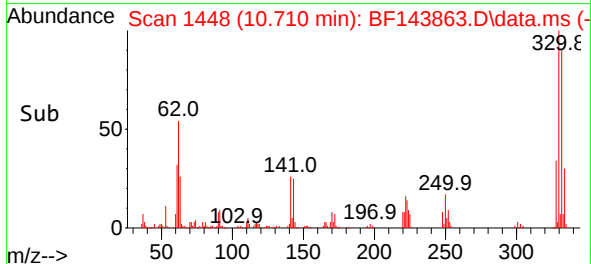
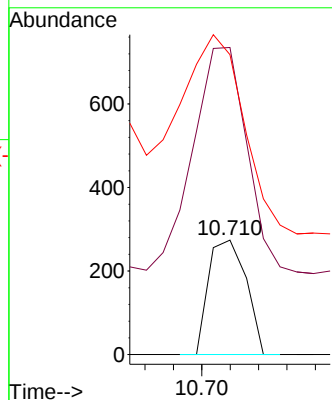
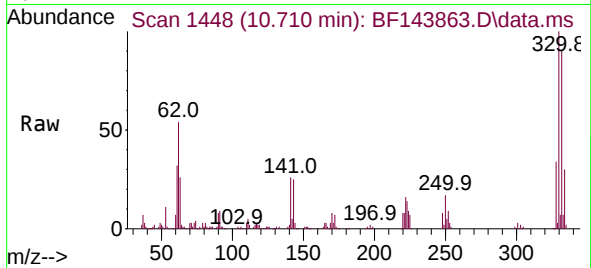




#65
4,6-Dinitro-2-methylphenol
Concen: 4.343 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

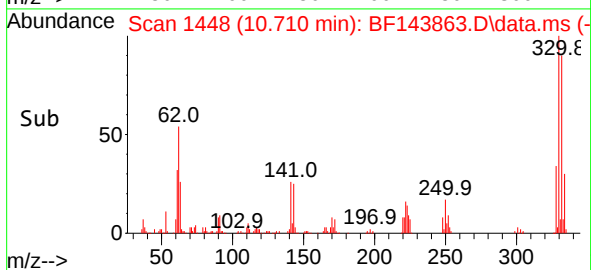
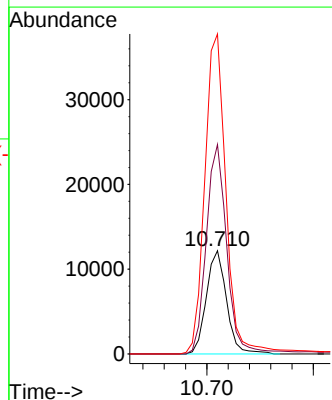
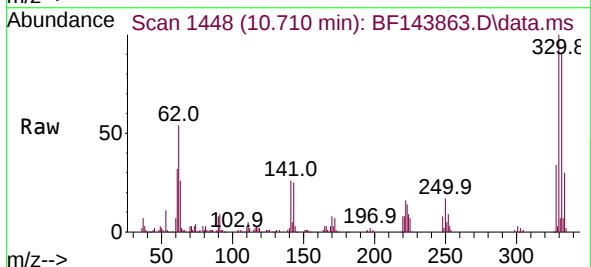
Instrument :
BNA_F
ClientSampleId :

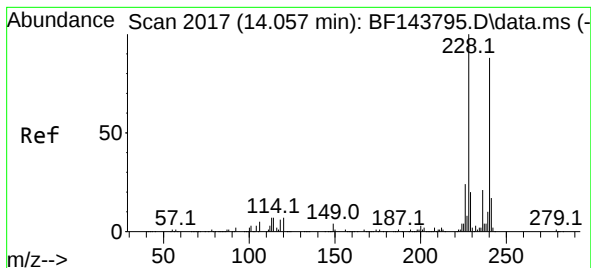
Tgt Ion:198 Resp: 252
Ion Ratio Lower Upper
198 100
51 268.2 52.0 92.0#
105 262.0 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.170 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Tgt Ion:248 Resp: 16028
Ion Ratio Lower Upper
248 100
250 203.0 78.7 118.1#
141 310.3 37.9 56.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.012 min

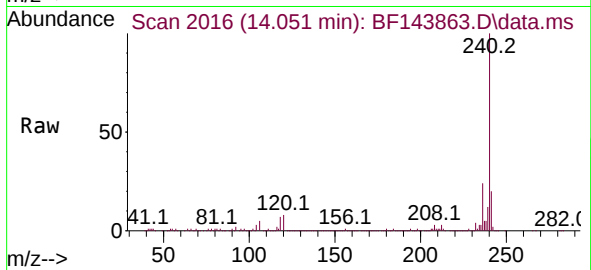
Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

Instrument :

BNA_F

ClientSampleId :



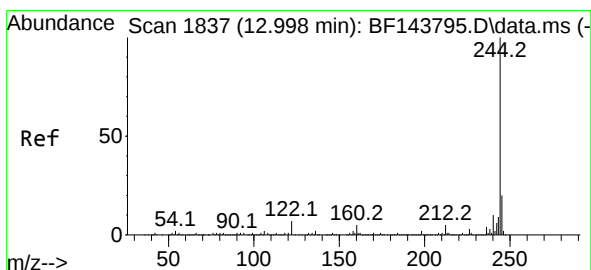
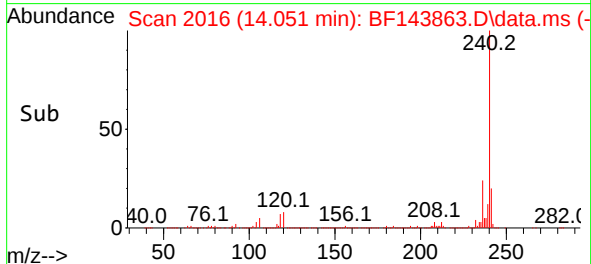
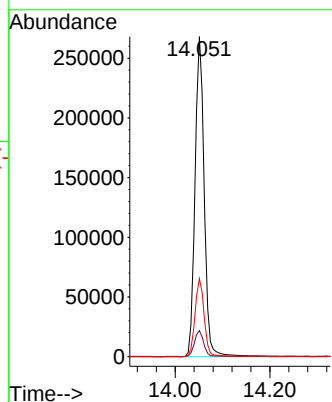
Tgt Ion:240 Resp: 360731

Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.4

236 24.4 19.4 29.2



#79

Terphenyl-d14

Concen: 58.091 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143863.D

Acq: 02 Oct 2025 19:09

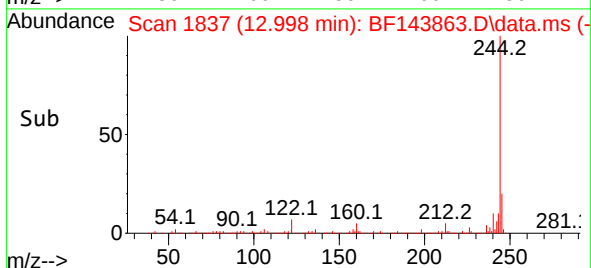
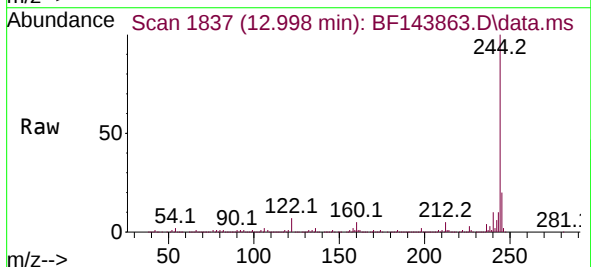
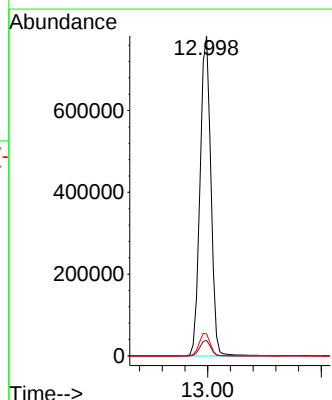
Tgt Ion:244 Resp: 1030370

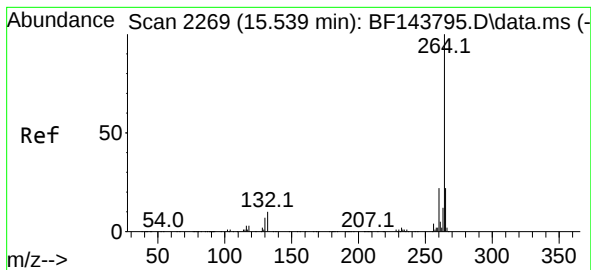
Ion Ratio Lower Upper

244 100

212 4.8 3.9 5.9

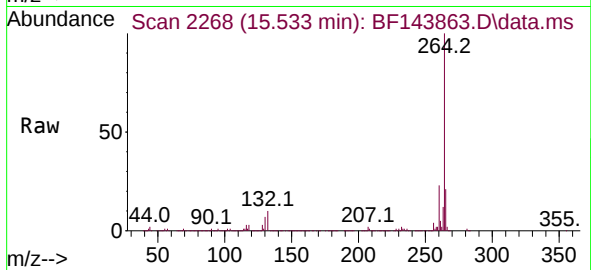
122 6.9 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143863.D
Acq: 02 Oct 2025 19:09

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 444342
Ion Ratio Lower Upper
264 100
260 23.4 17.9 26.9
265 21.4 17.7 26.5

