

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
 Data File : BF143656.D
 Acq On : 05 Sep 2025 12:50
 Operator : RC/JU
 Sample : PB169526BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 13:23:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

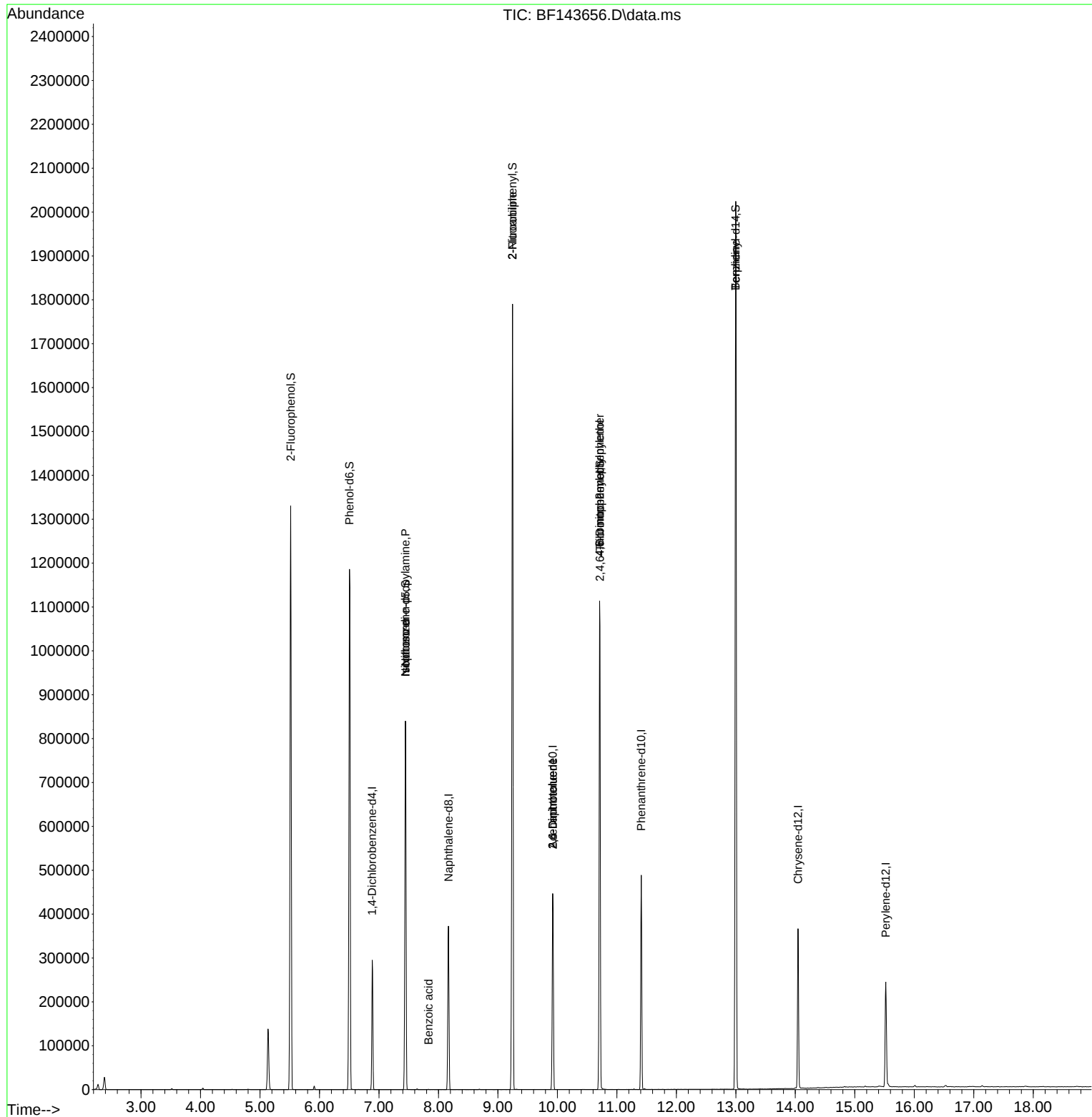
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	65714	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	253288	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	144696	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	252185	20.000	ng	0.00
76) Chrysene-d12	14.045	240	180883	20.000	ng	0.00
86) Perylene-d12	15.521	264	145550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	533602	143.852	ng	0.01
7) Phenol-d6	6.504	99	644595	140.011	ng	0.00
23) Nitrobenzene-d5	7.445	82	406404	112.771	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	213840	176.729	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	909827	100.458	ng	0.00
79) Terphenyl-d14	12.998	244	1039509	95.756	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	53184	18.140	ng	# 77
25) Isophorone	7.445	82	405408	49.921	ng	# 65
32) Benzoic acid	7.834	122	120	7.571	ng	# 75
48) 2-Nitroaniline	9.245	65	1267	3.717	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	18778	14.170	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	18778	11.522	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.710	198	359	8.811	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	14001	4.787	ng	# 1
77) Benzidine	12.998	184	12022	2.905	ng	# 96

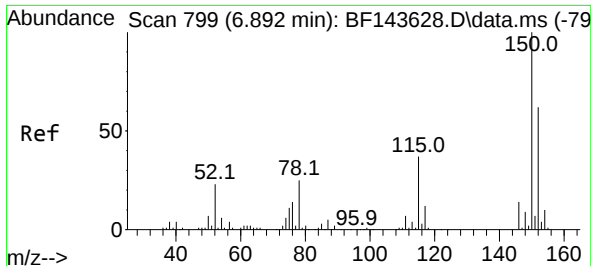
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
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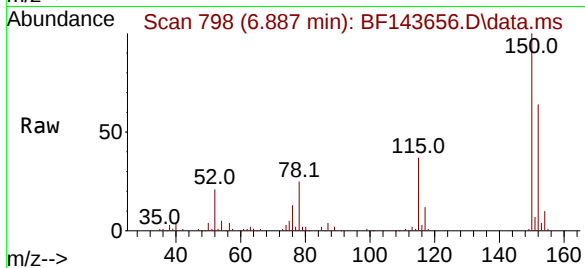
Quant Time: Sep 05 13:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
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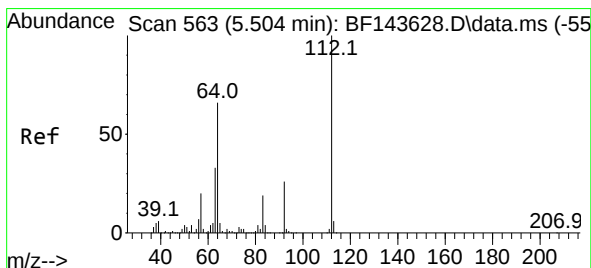
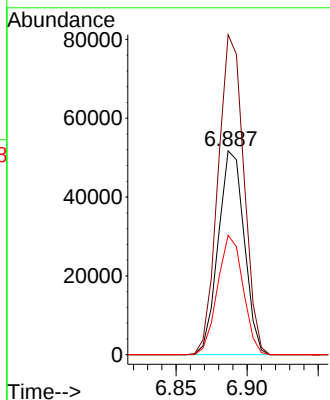
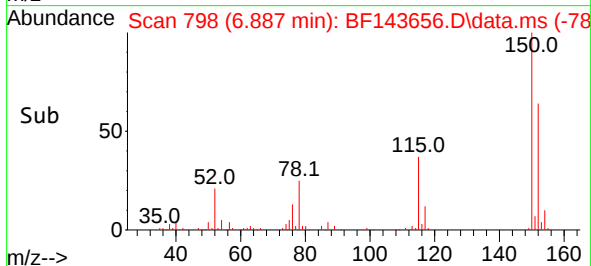


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 799
 Delta R.T. -0.005 min
 Lab File: BF143656.D
 Acq: 05 Sep 2025 12:50

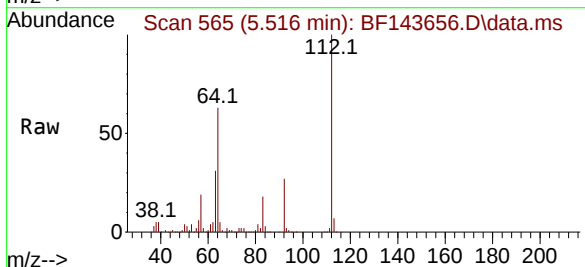
Instrument :
 BNA_F
 ClientSampleId :



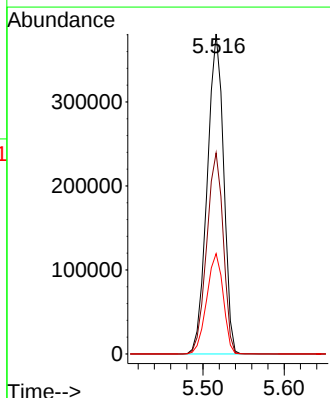
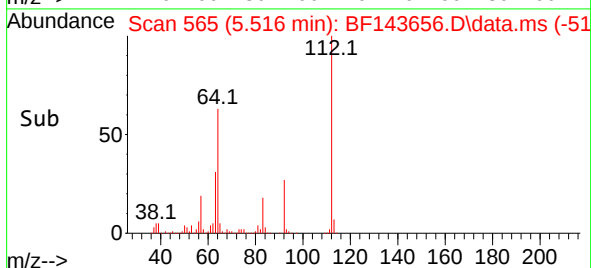
Tgt Ion:152 Resp: 65714
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.4 192.6
 115 58.7 47.9 71.9

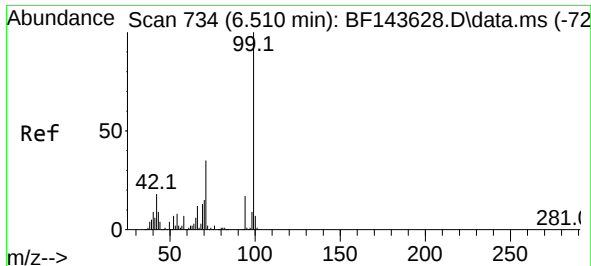


#5
 2-Fluorophenol
 Concen: 143.852 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.012 min
 Lab File: BF143656.D
 Acq: 05 Sep 2025 12:50



Tgt Ion:112 Resp: 533602
 Ion Ratio Lower Upper
 112 100
 64 62.8 52.7 79.1
 63 31.3 26.5 39.7

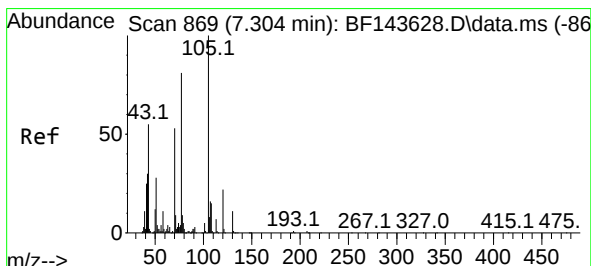
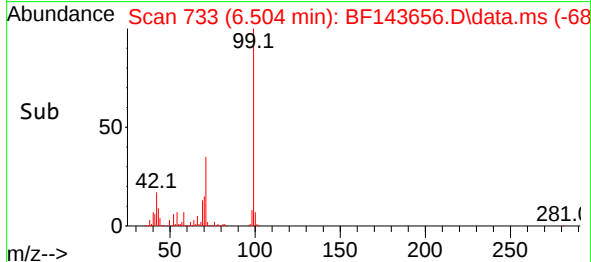
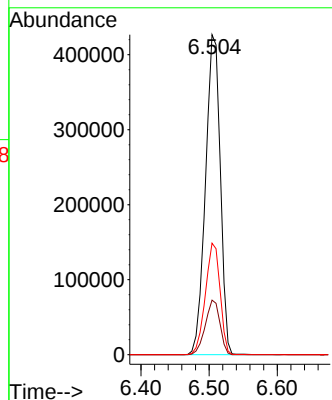
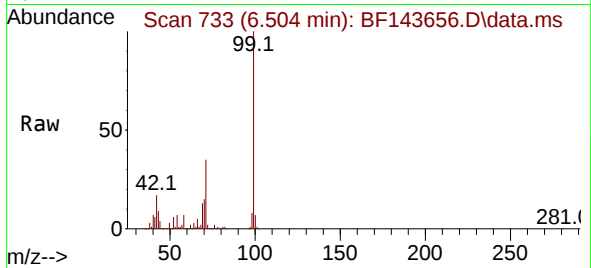




#7
Phenol-d6
Concen: 140.011 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

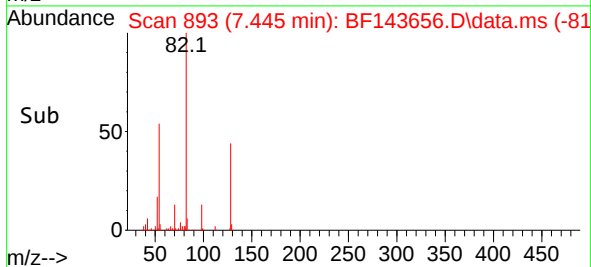
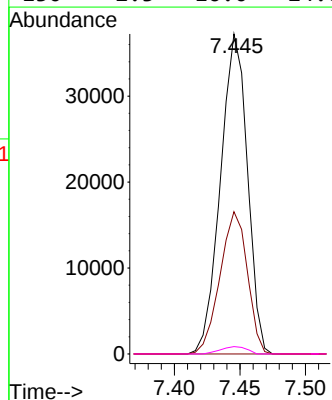
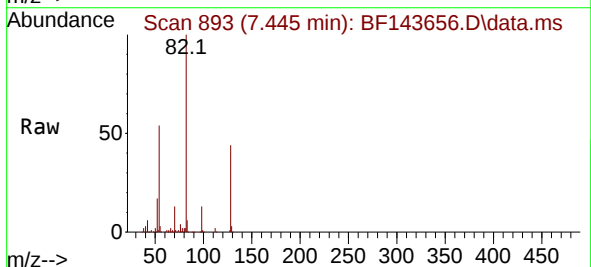
Instrument :
BNA_F
ClientSampleId :

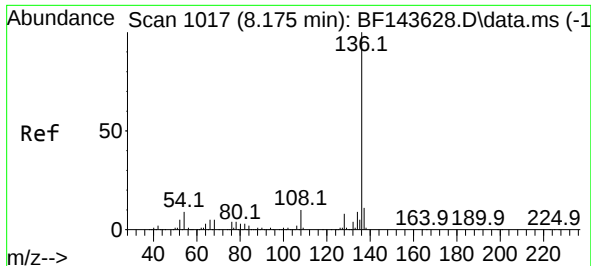
Tgt Ion: 99 Resp: 644595
Ion Ratio Lower Upper
99 100
42 17.0 14.6 22.0
71 34.9 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.140 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

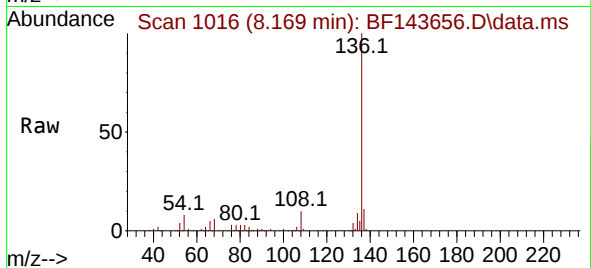
Tgt Ion: 70 Resp: 53184
Ion Ratio Lower Upper
70 100
42 44.4 45.2 67.8#
101 0.0 7.6 11.4#
130 2.3 16.0 24.0#



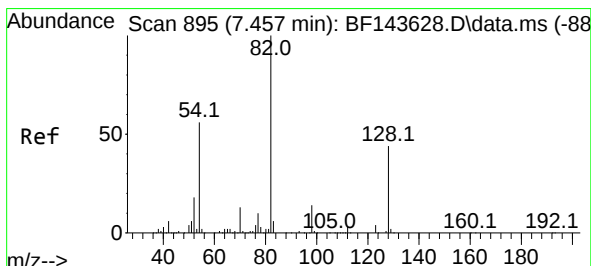
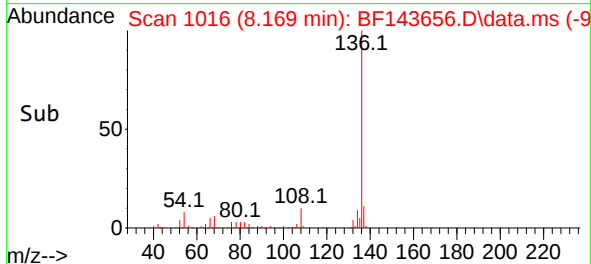
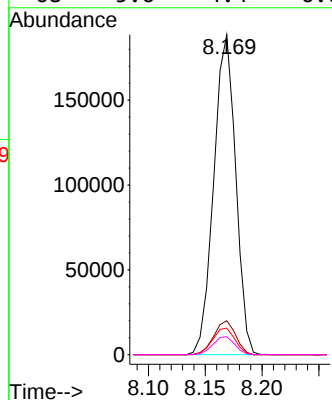


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

Instrument :
BNA_F
ClientSampleId :

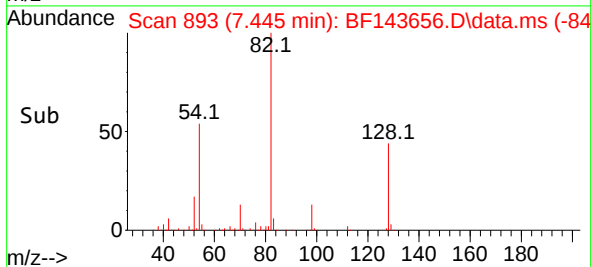
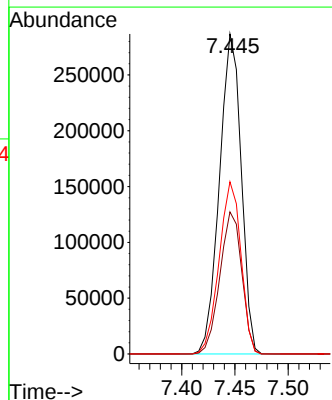
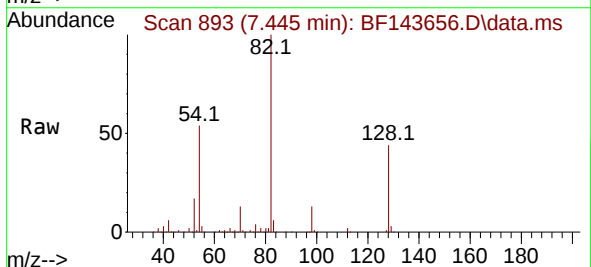


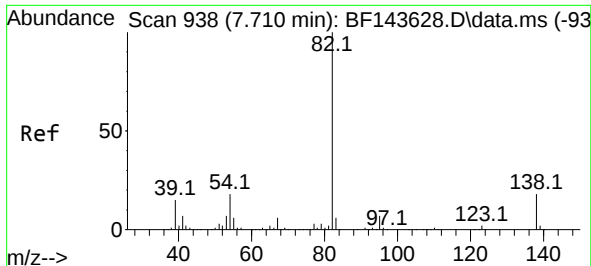
Tgt Ion:	136	Resp:	253288
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	8.3	7.3	10.9
68	5.6	4.4	6.6



#23
Nitrobenzene-d5
Concen: 112.771 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

Tgt Ion:	82	Resp:	406404
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.7	52.1
54	53.8	44.8	67.2

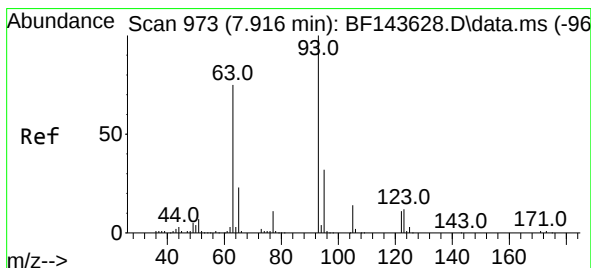
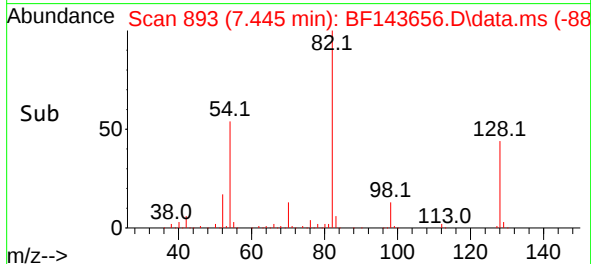
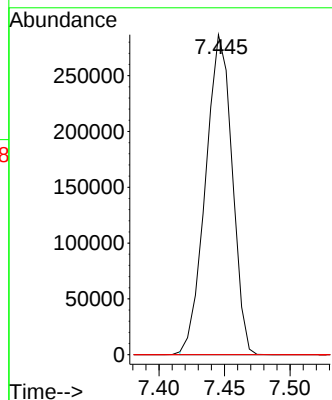
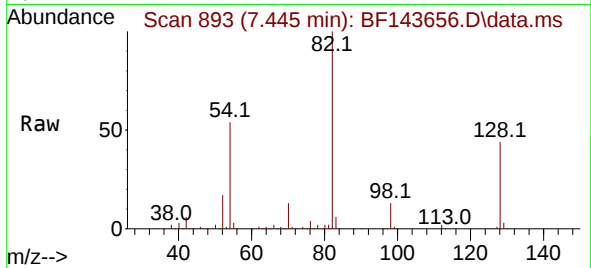




#25
Isophorone
Concen: 49.921 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

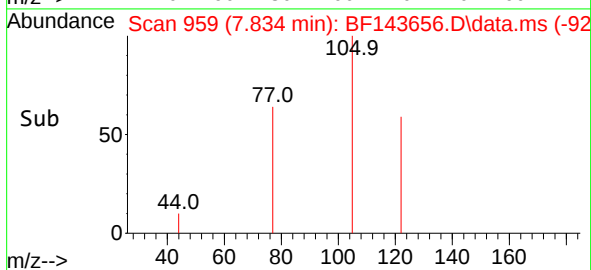
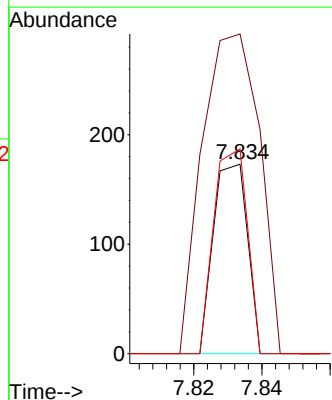
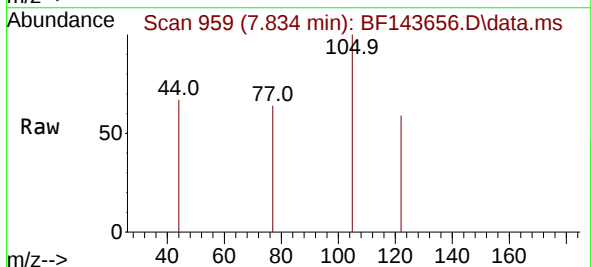
Instrument :
BNA_F
ClientSampleId :

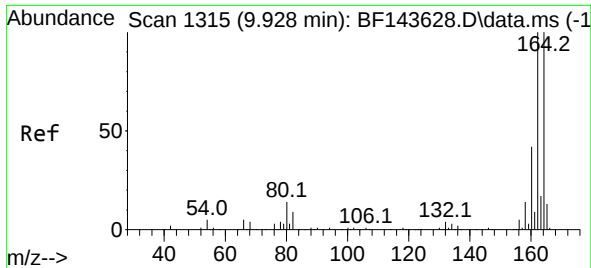
Tgt Ion: 82 Resp: 405408
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.2#



#32
Benzoic acid
Concen: 7.571 ng
RT: 7.834 min Scan# 959
Delta R.T. -0.082 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

Tgt Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 168.8 105.9 145.9#
77 108.1 78.6 118.6

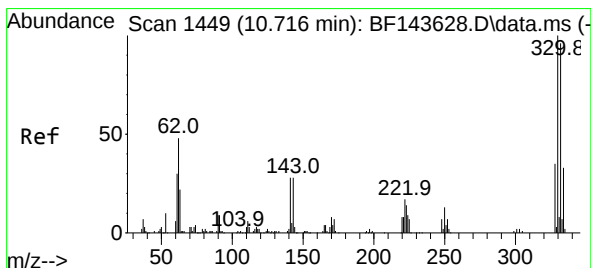
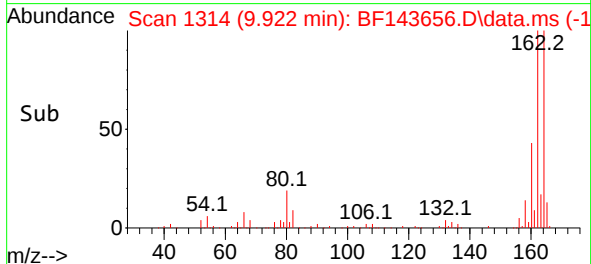
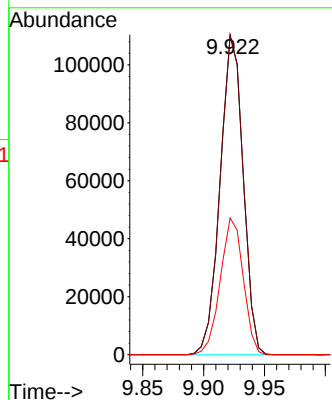
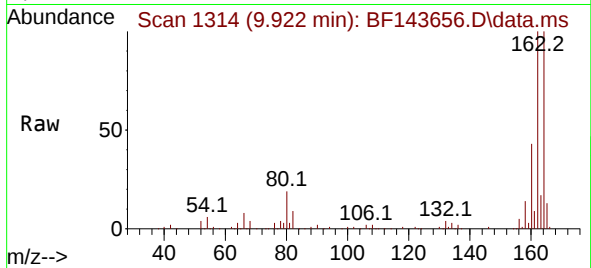




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

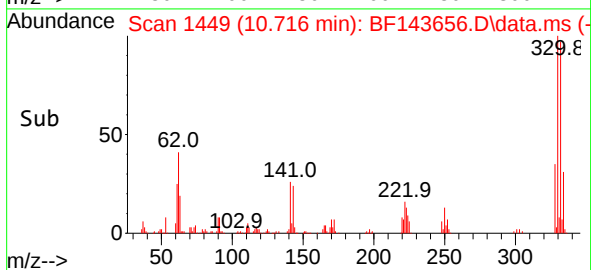
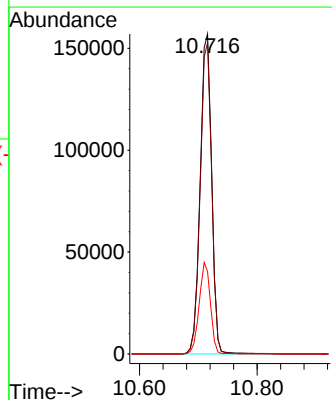
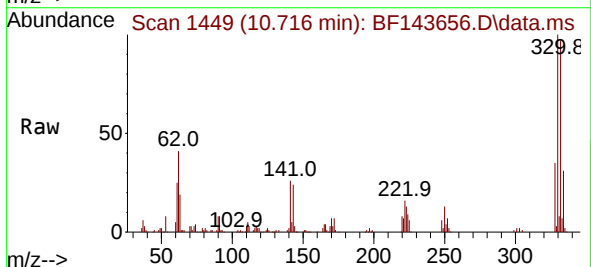
Instrument :
BNA_F
ClientSampleId :

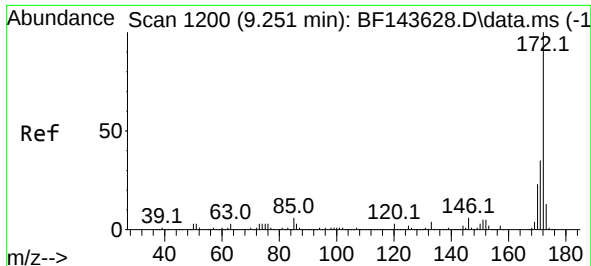
Tgt Ion:164 Resp: 144696
Ion Ratio Lower Upper
164 100
162 100.4 80.3 120.5
160 42.9 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 176.729 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

Tgt Ion:330 Resp: 213840
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 27.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 100.458 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

Instrument :

BNA_F

ClientSampleId :

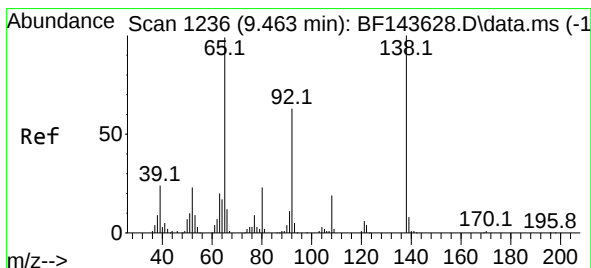
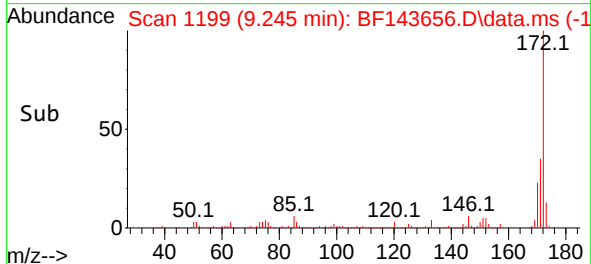
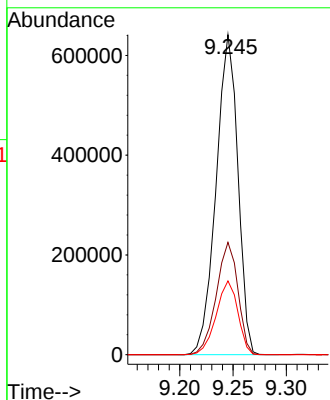
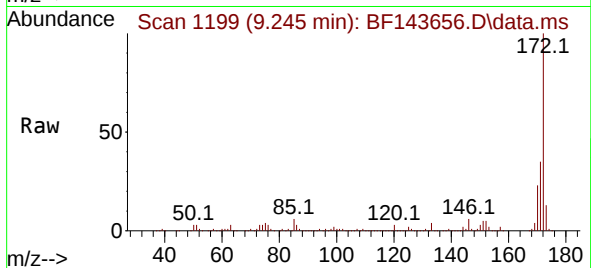
Tgt Ion:172 Resp: 909827

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.1 18.6 28.0



#48

2-Nitroaniline

Concen: 3.717 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.218 min

Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

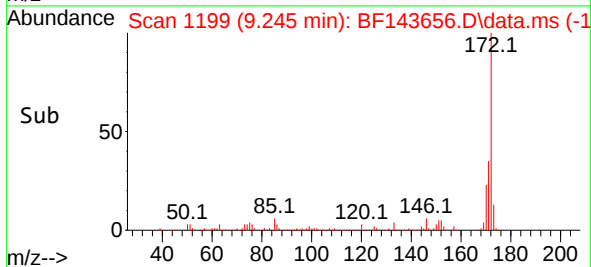
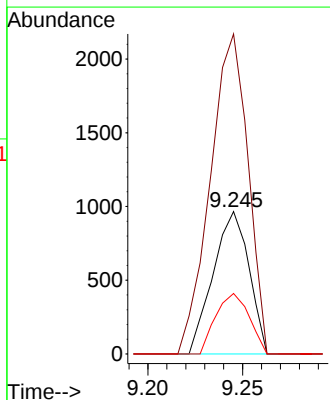
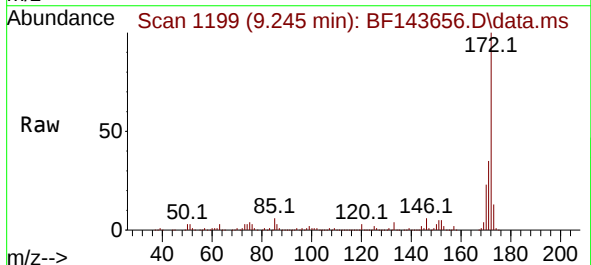
Tgt Ion: 65 Resp: 1267

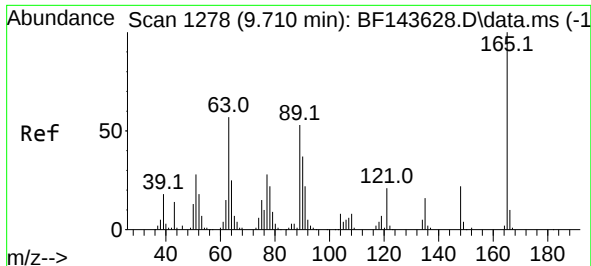
Ion Ratio Lower Upper

65 100

92 224.6 50.9 76.3#

138 42.4 80.6 120.8#





#51

2,6-Dinitrotoluene

Concen: 14.170 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

Instrument :

BNA_F

ClientSampleId :

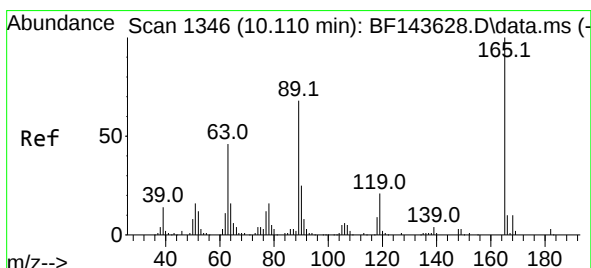
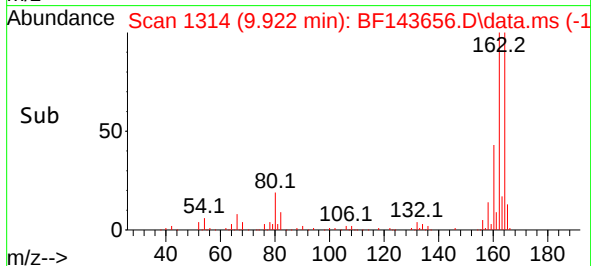
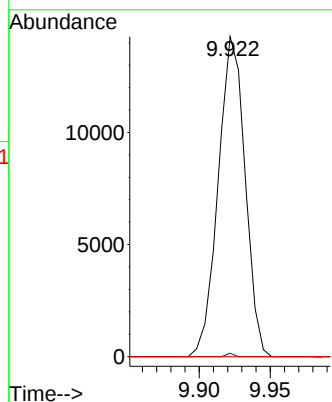
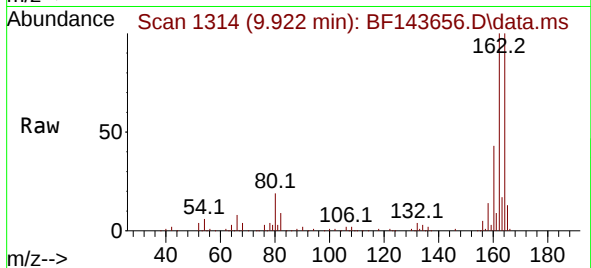
Tgt Ion:165 Resp: 18778

Ion Ratio Lower Upper

165 100

63 1.1 45.4 68.0#

89 0.0 42.1 63.1#



#57

2,4-Dinitrotoluene

Concen: 11.522 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

Tgt Ion:165 Resp: 18778

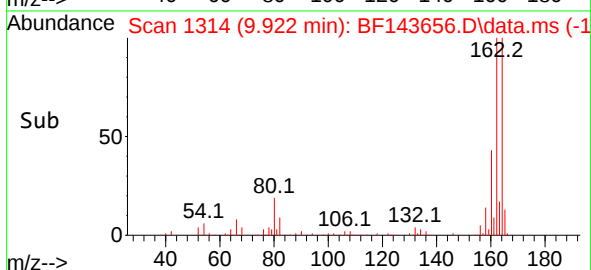
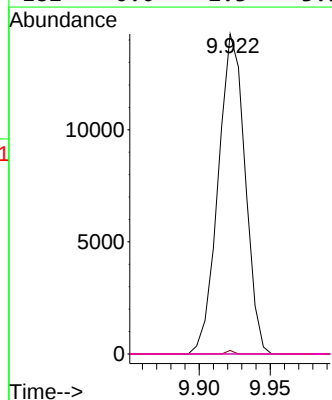
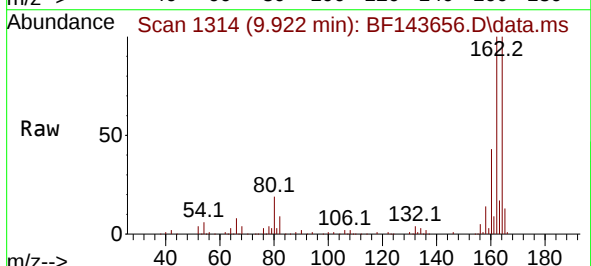
Ion Ratio Lower Upper

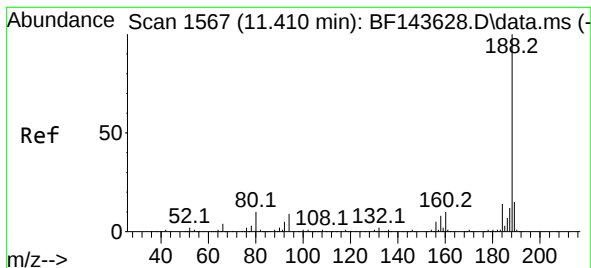
165 100

63 1.1 37.0 55.6#

89 0.0 54.1 81.1#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

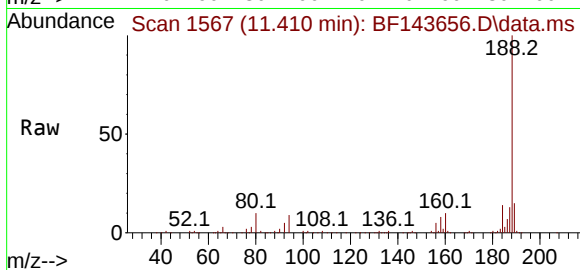
Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

Instrument :

BNA_F

ClientSampleId :



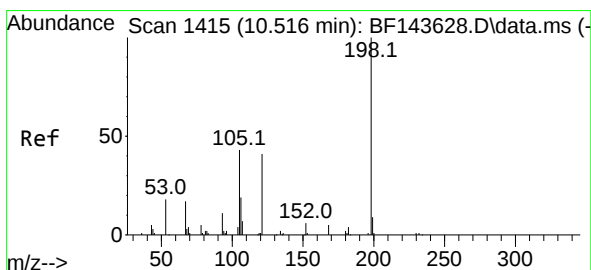
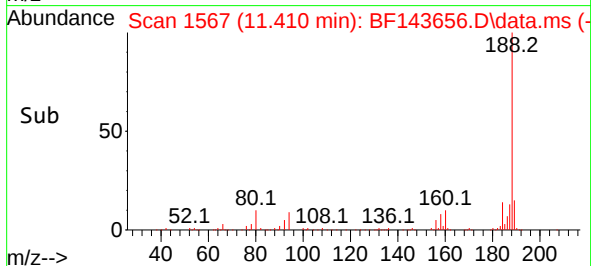
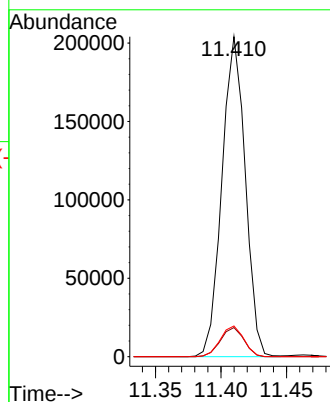
Tgt Ion:188 Resp: 252185

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.6 8.4 12.6



#65

4,6-Dinitro-2-methylphenol

Concen: 8.811 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143656.D

Acq: 05 Sep 2025 12:50

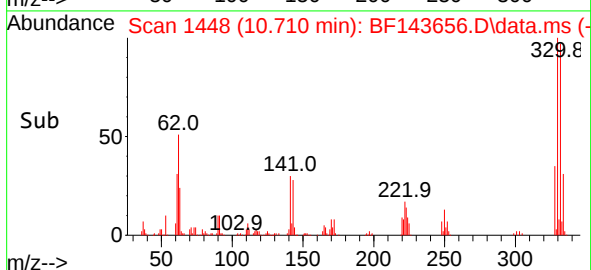
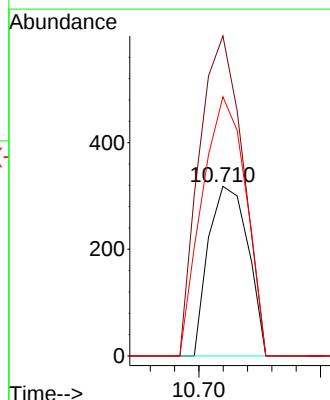
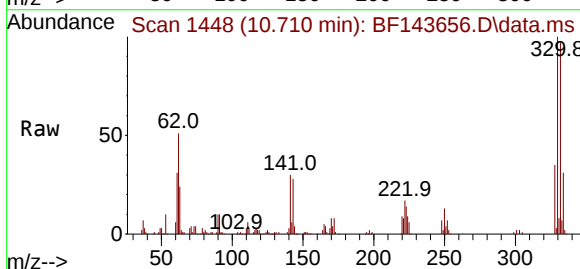
Tgt Ion:198 Resp: 359

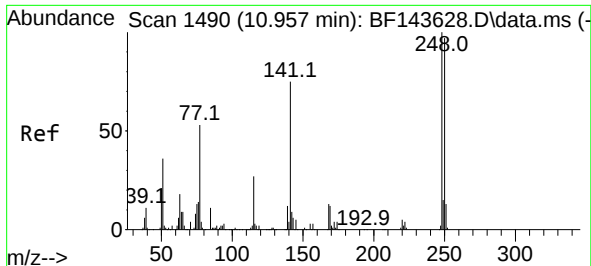
Ion Ratio Lower Upper

198 100

51 188.7 30.7 70.7#

105 152.8 26.0 66.0#

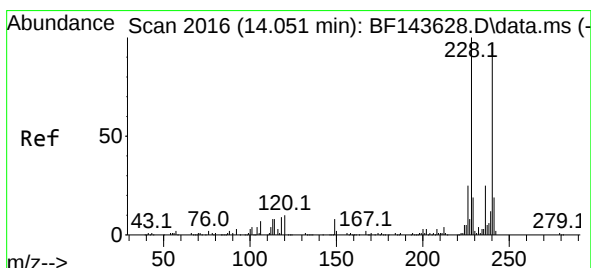
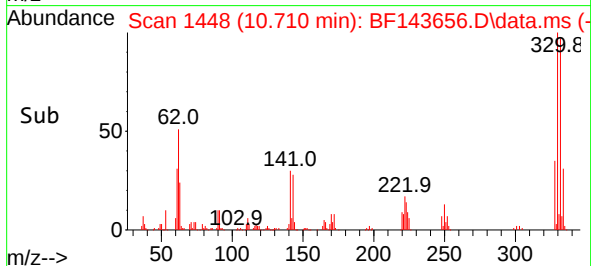
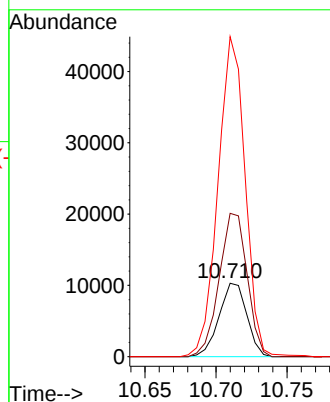
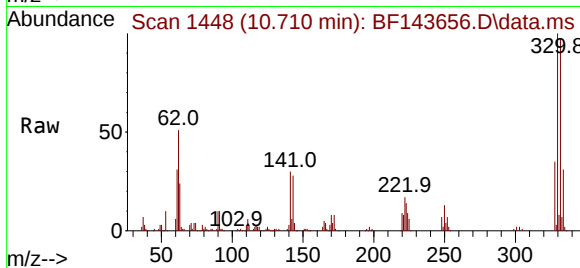




#67
4-Bromophenyl-phenylether
Concen: 4.787 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

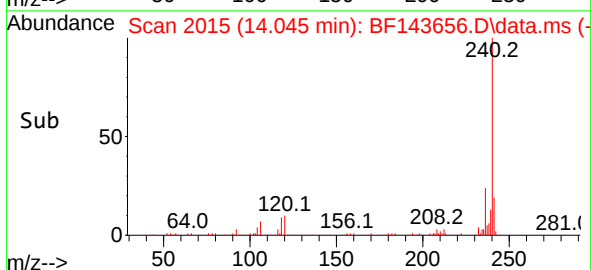
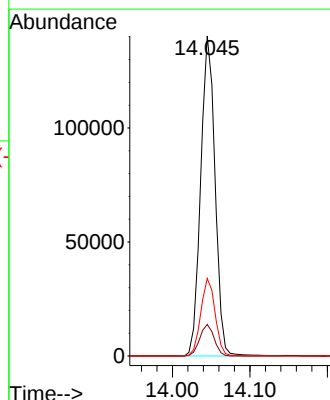
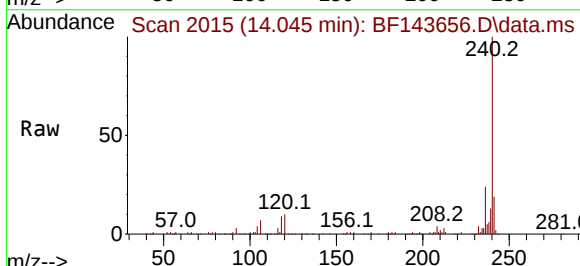
Instrument :
BNA_F
ClientSampleId :

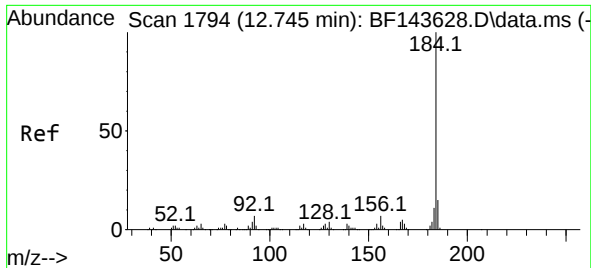
Tgt Ion:248 Resp: 14001
Ion Ratio Lower Upper
248 100
250 195.3 77.6 116.4#
141 435.8 60.1 90.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

Tgt Ion:240 Resp: 180883
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 24.2 20.5 30.7

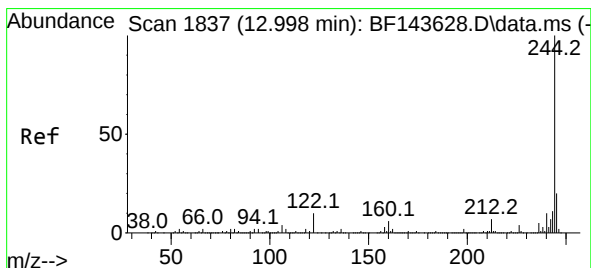
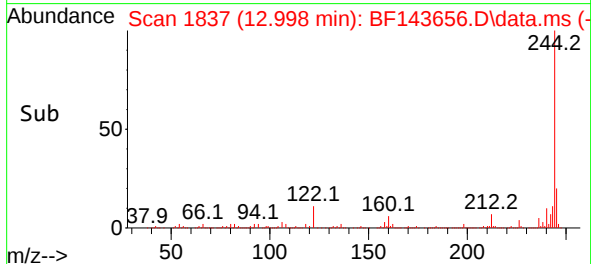
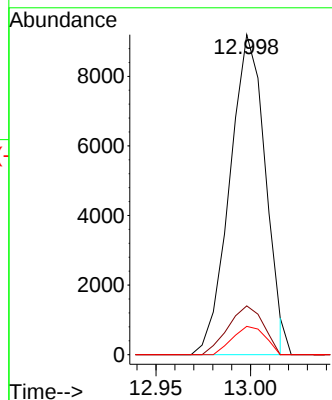
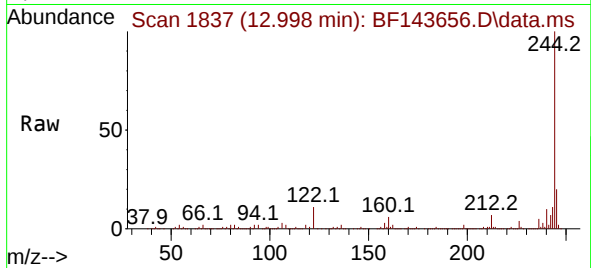




#77
Benzidine
Concen: 2.905 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

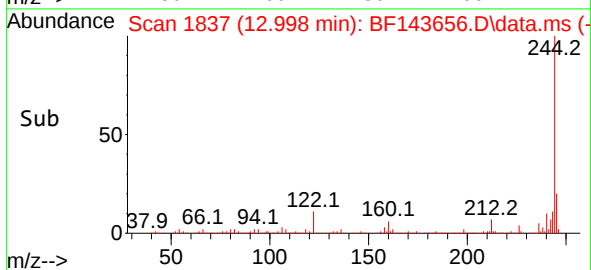
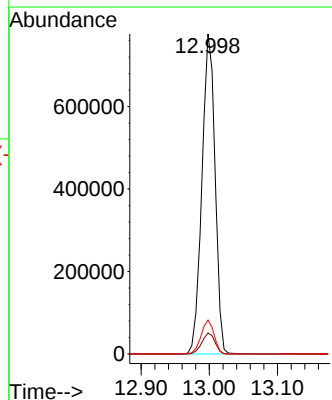
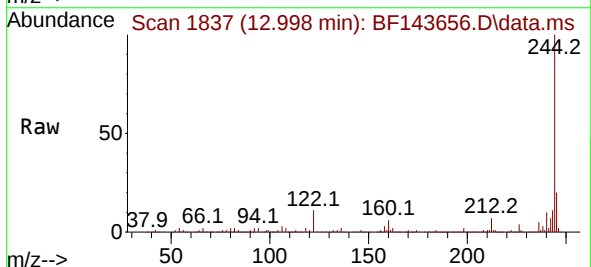
Instrument :
BNA_F
ClientSampleId :

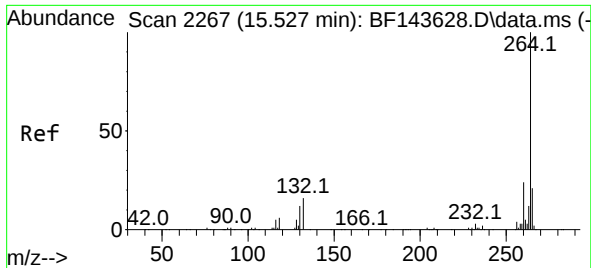
Tgt Ion:184 Resp: 12022
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.6
183 8.8 9.0 13.6#



#79
Terphenyl-d14
Concen: 95.756 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BF143656.D
Acq: 05 Sep 2025 12:50

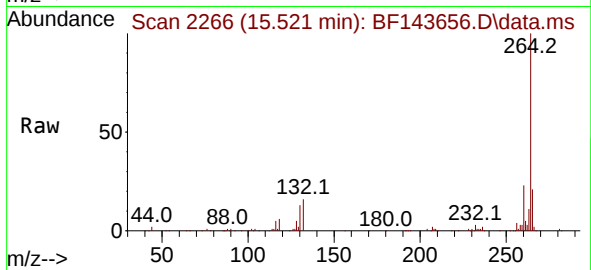
Tgt Ion:244 Resp: 1039509
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.6 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143656.D
 Acq: 05 Sep 2025 12:50

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264	Resp:	145550
Ion	Ratio	Lower Upper
264	100	
260	23.1	18.9 28.3
265	21.3	17.1 25.7

