

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143958.D
 Acq On : 15 Oct 2025 17:57
 Operator : RC/JU
 Sample : Q3341-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Quant Time: Oct 16 11:10:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

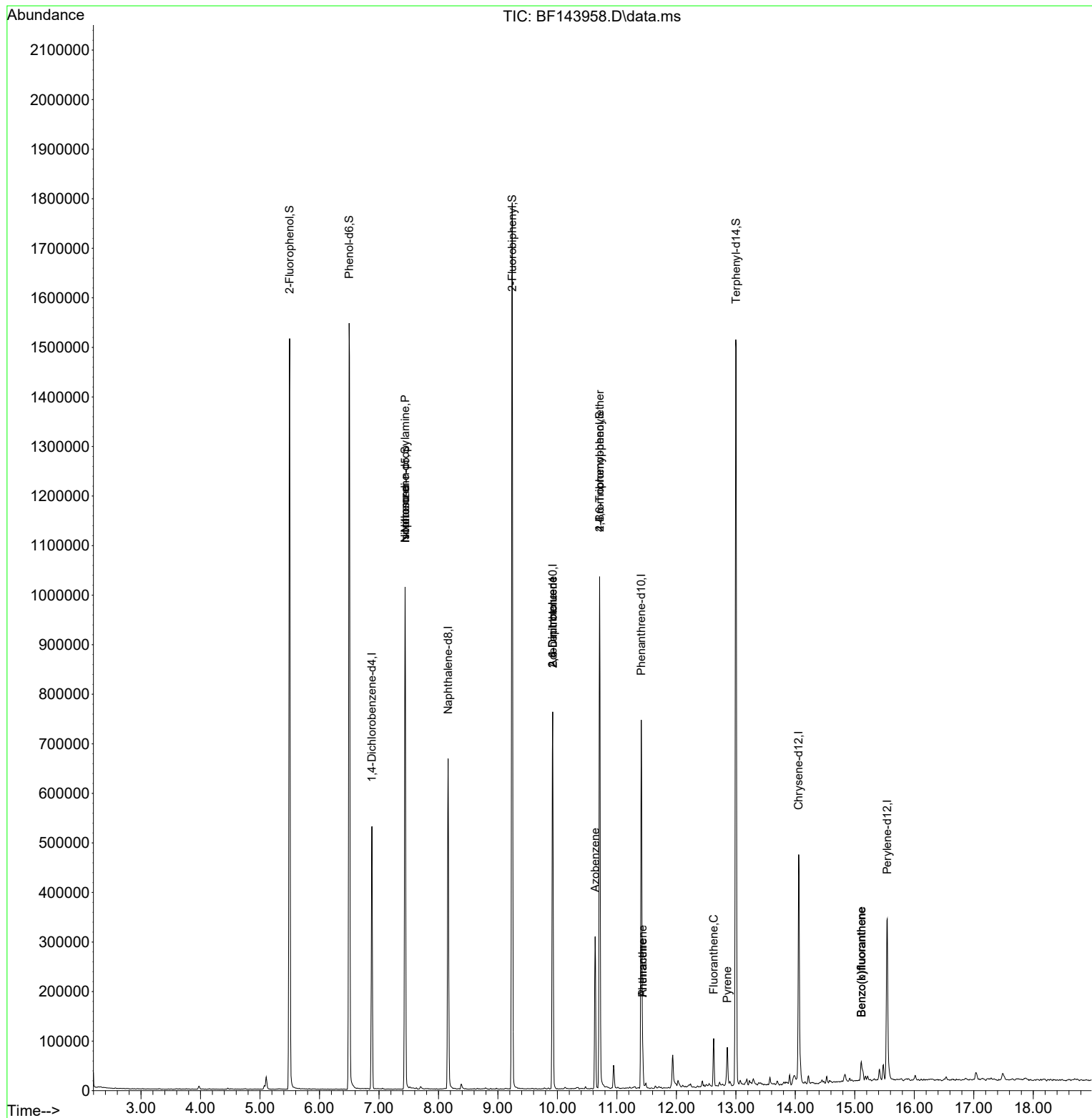
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106992	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	421767	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	230177	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	393715	20.000	ng	0.00
76) Chrysene-d12	14.057	240	214780	20.000	ng	-0.01
86) Perylene-d12	15.545	264	212779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	586681	87.076	ng	0.00
7) Phenol-d6	6.498	99	708531	88.226	ng	-0.02
23) Nitrobenzene-d5	7.440	82	434169	62.541	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	193256	84.295	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	837918	57.762	ng	-0.01
79) Terphenyl-d14	13.004	244	812538	64.656	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.440	70	62905	11.443	ng	# 75
25) Isophorone	7.440	82	365126	24.944	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28252	10.423	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	28252	7.661	ng	# 26
63) Azobenzene	10.633	77	77725	5.477	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	12274	2.821	ng	# 1
71) Phenanthrene	11.433	178	39438	2.066	ng	99
72) Anthracene	11.433	178	39438	2.045	ng	99
75) Fluoranthene	12.627	202	55989	2.840	ng	98
78) Pyrene	12.857	202	44998	2.513	ng	99
88) Benzo(b)fluoranthene	15.110	252	35727	2.923	ng	94
89) Benzo(k)fluoranthene	15.110	252	35727	3.159	ng	# 94

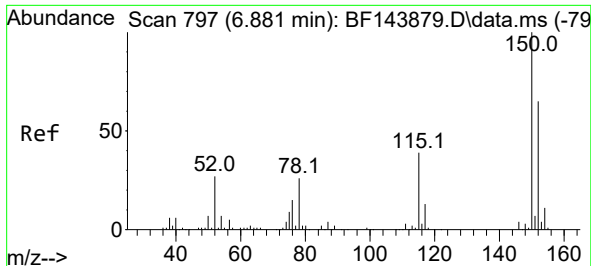
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
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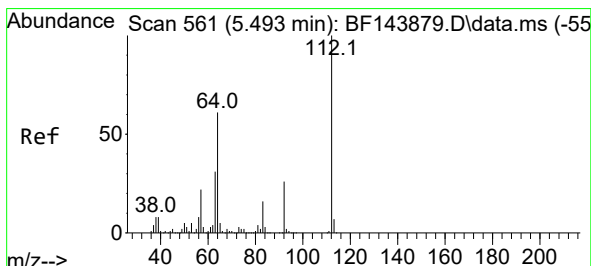
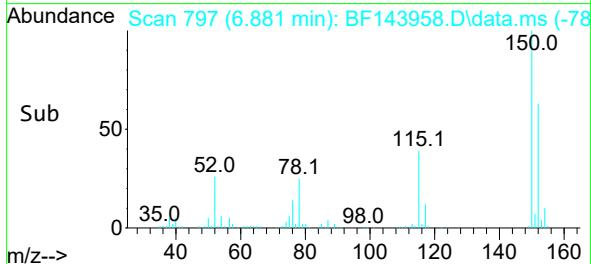
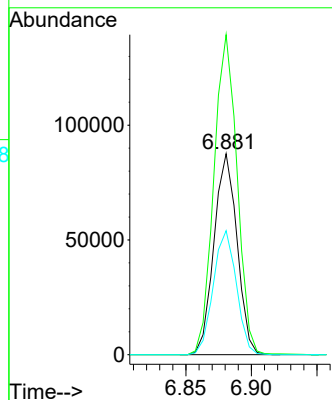
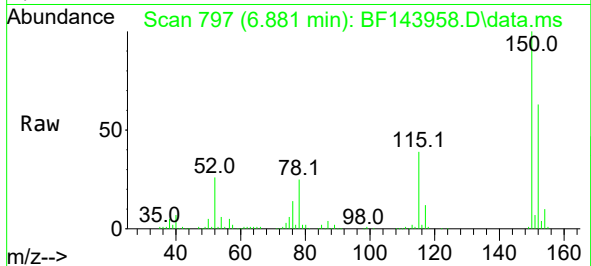




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

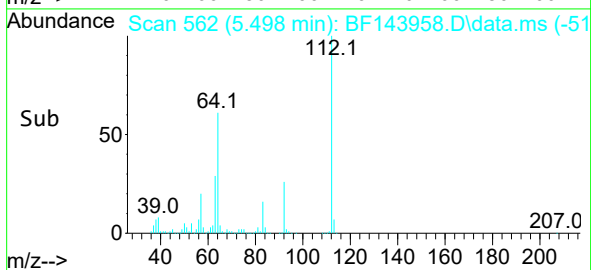
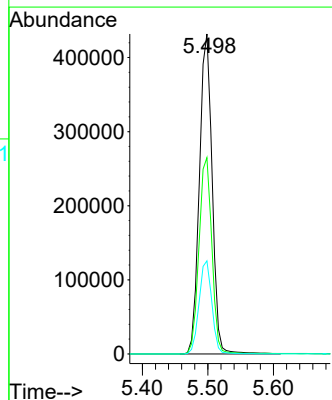
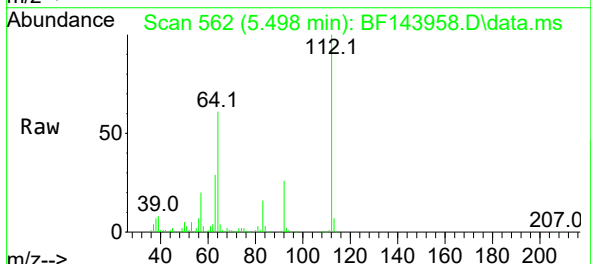
Instrument :
BNA_F
ClientSampleId :
C-1

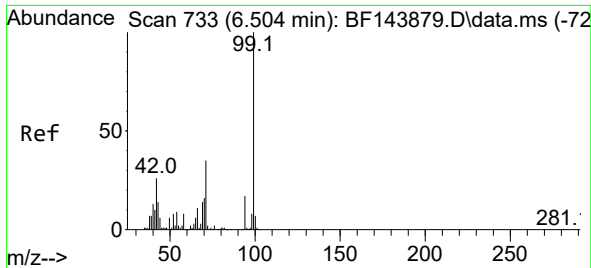
Tgt Ion:152 Resp: 106992
Ion Ratio Lower Upper
152 100
150 159.3 124.4 186.6
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 87.076 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion:112 Resp: 586681
Ion Ratio Lower Upper
112 100
64 61.4 49.1 73.7
63 29.1 24.5 36.7

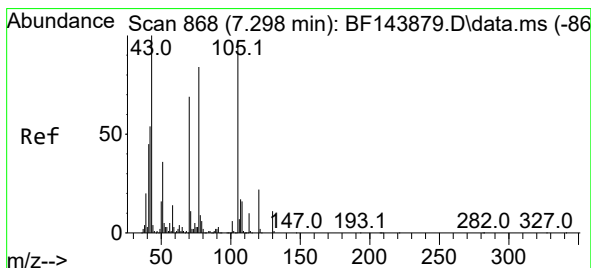
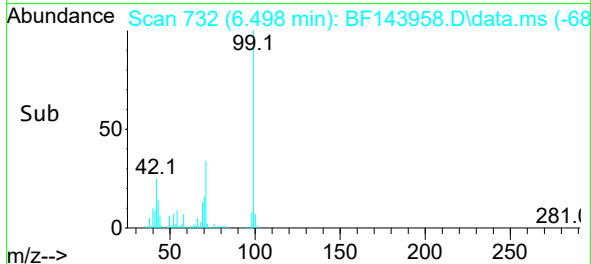
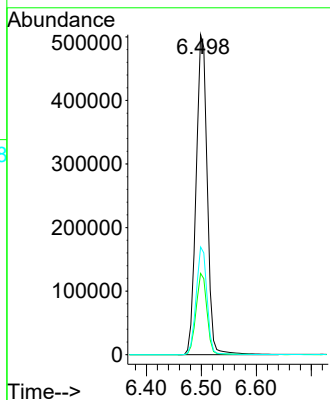
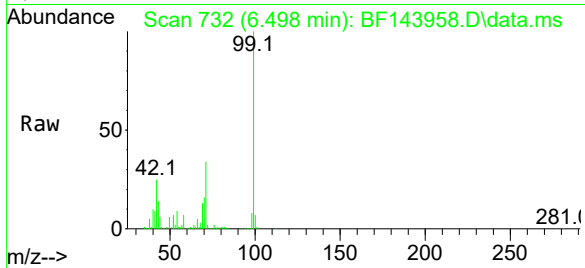




#7
Phenol-d6
Concen: 88.226 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

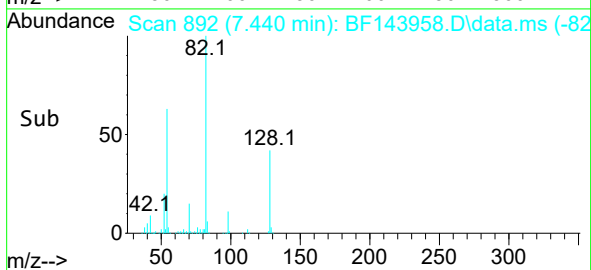
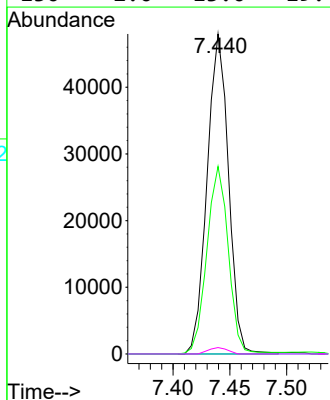
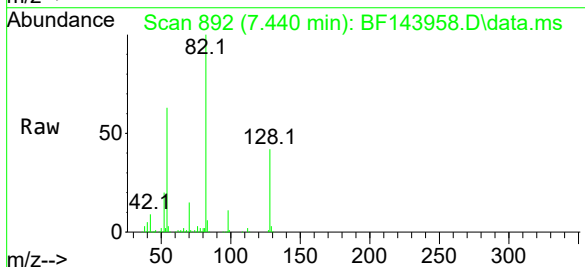
Instrument :
BNA_F
ClientSampleId :
C-1

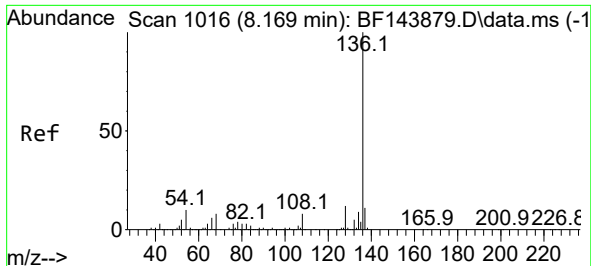
Tgt Ion: 99 Resp: 708531
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 33.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.443 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion: 70 Resp: 62905
Ion Ratio Lower Upper
70 100
42 58.6 62.8 94.2#
101 0.0 6.7 10.1#
130 2.0 13.0 19.4#

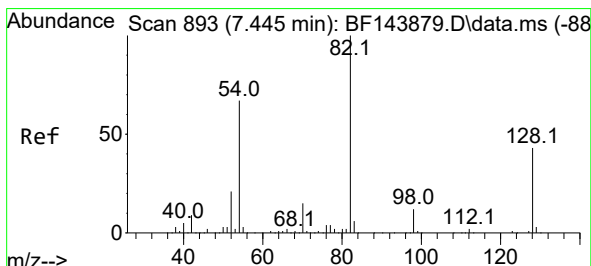
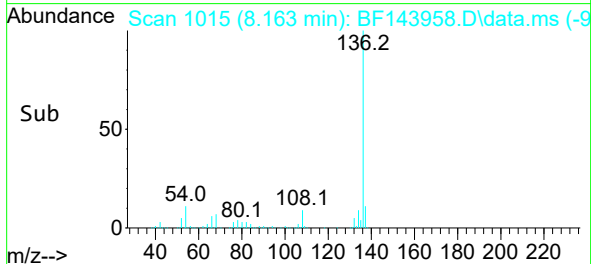
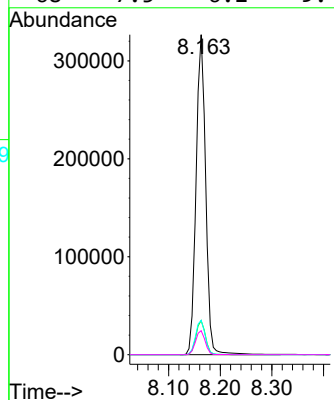
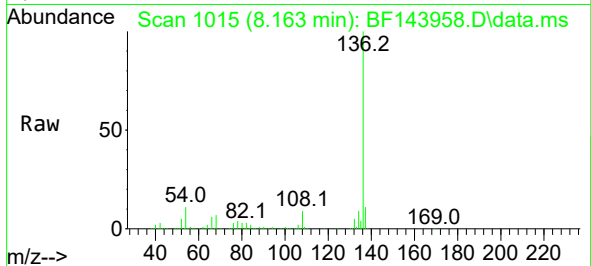




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

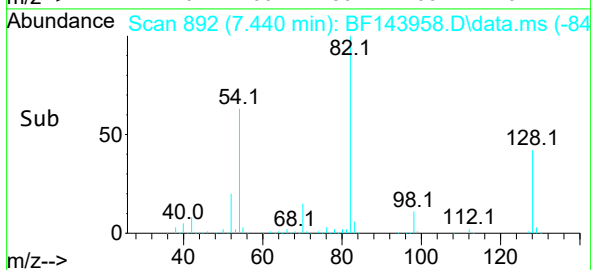
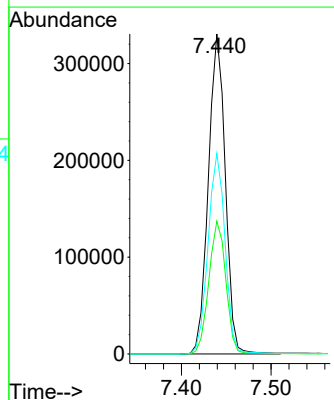
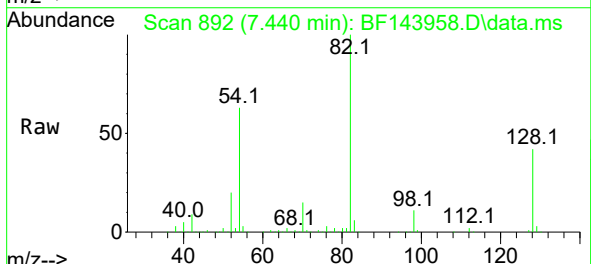
Instrument :
BNA_F
ClientSampleId :
C-1

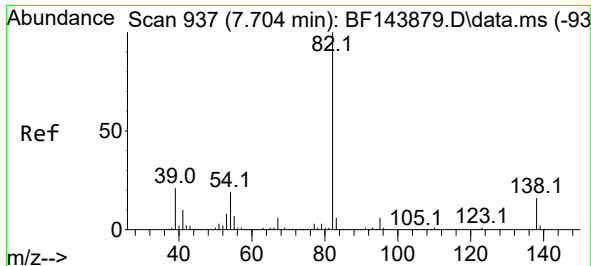
Tgt Ion:136 Resp: 421767
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.8 8.2 12.4
68 7.5 6.2 9.4



#23
Nitrobenzene-d5
Concen: 62.541 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion: 82 Resp: 434169
Ion Ratio Lower Upper
82 100
128 41.5 34.0 51.0
54 62.7 53.2 79.8

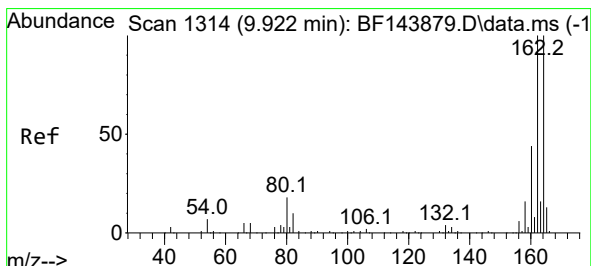
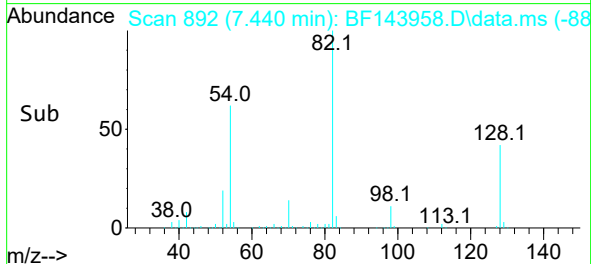
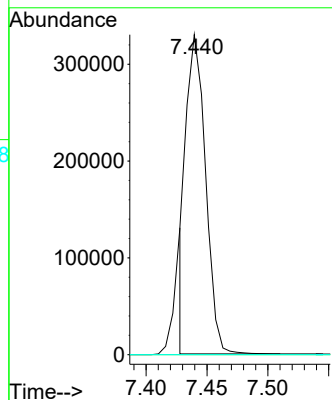
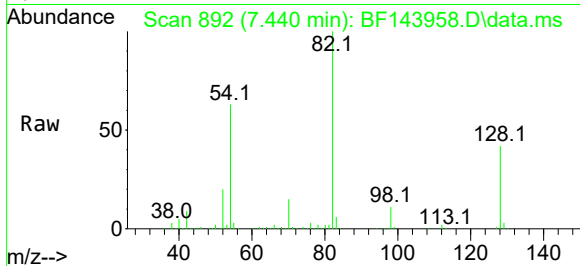




#25
Isophorone
Concen: 24.944 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

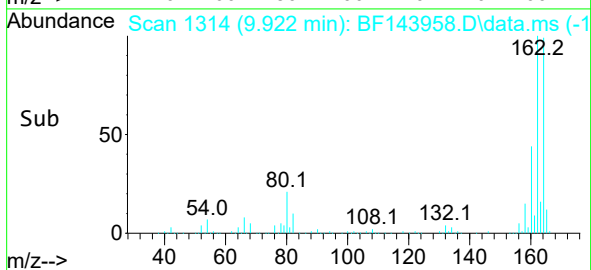
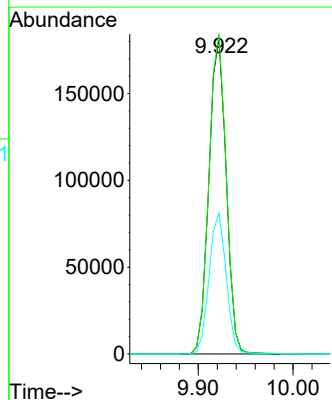
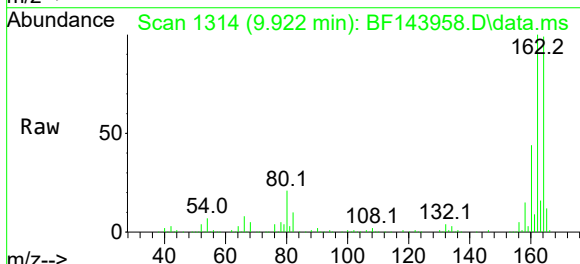
Instrument :
BNA_F
ClientSampleId :
C-1

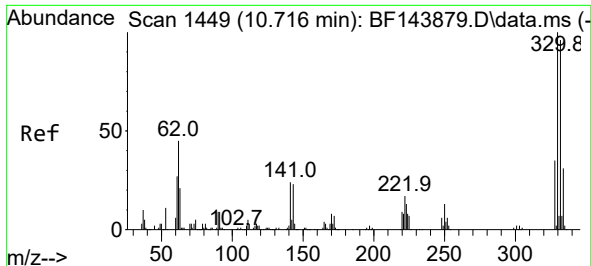
Tgt Ion: 82 Resp: 365126
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion: 164 Resp: 230177
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 84.295 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

Instrument :

BNA_F

ClientSampleId :

C-1

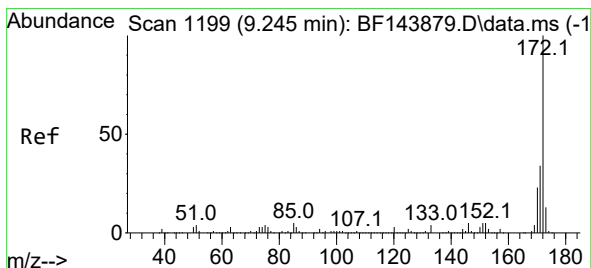
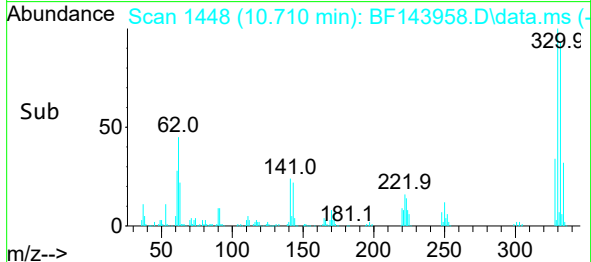
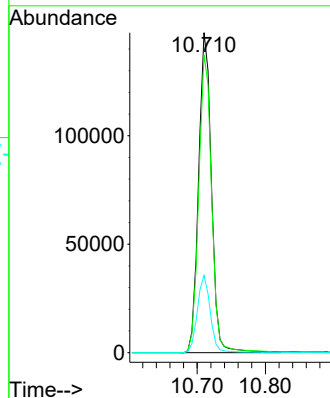
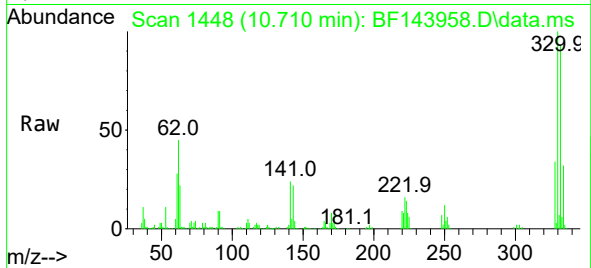
Tgt Ion:330 Resp: 193256

Ion Ratio Lower Upper

330 100

332 93.8 76.9 115.3

141 24.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 57.762 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

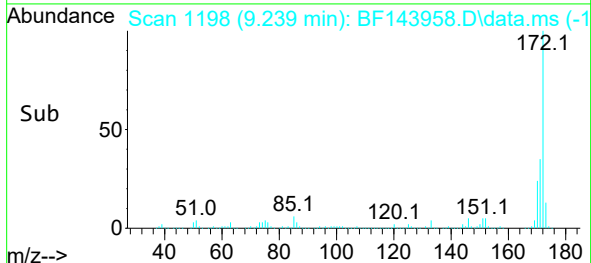
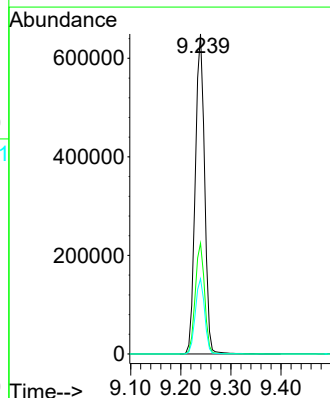
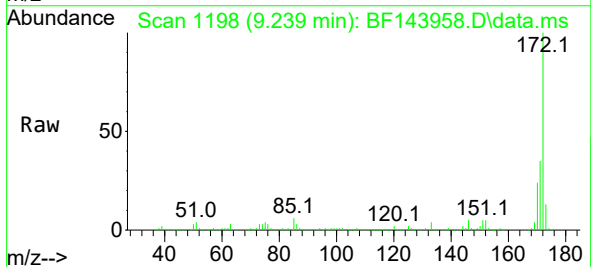
Tgt Ion:172 Resp: 837918

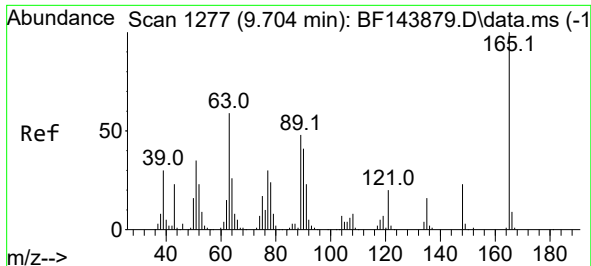
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

170 23.5 18.6 28.0

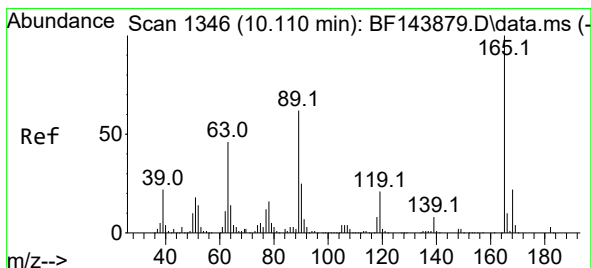
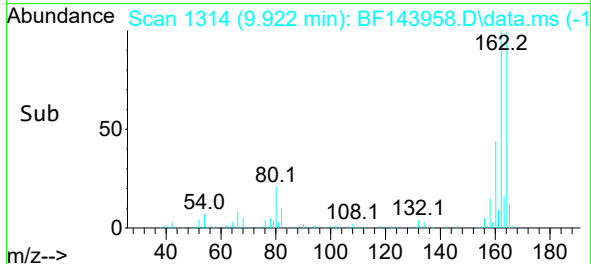
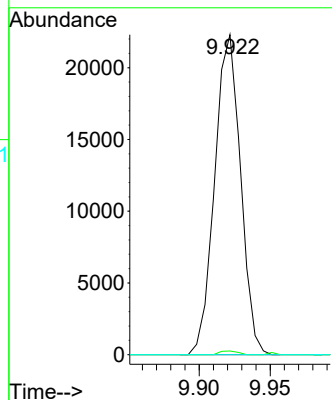
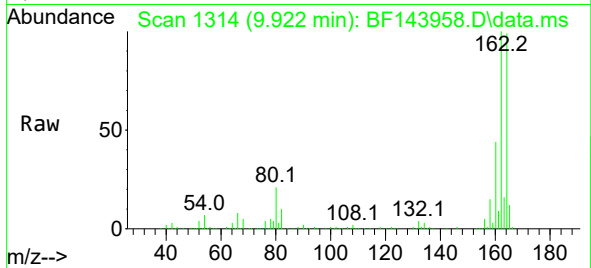




#51
2,6-Dinitrotoluene
Concen: 10.423 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

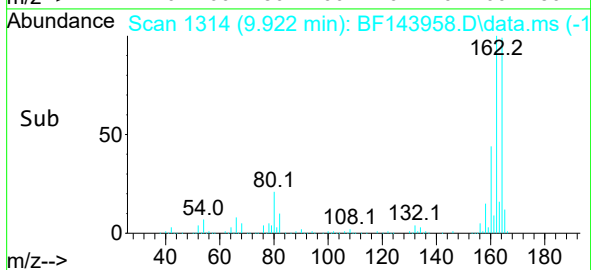
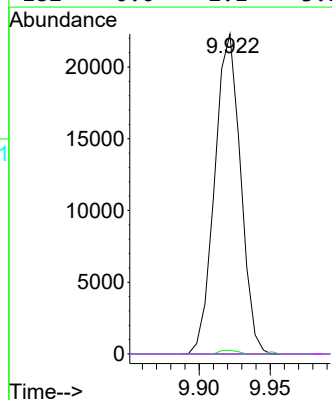
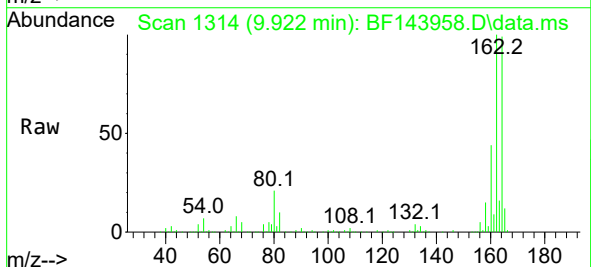
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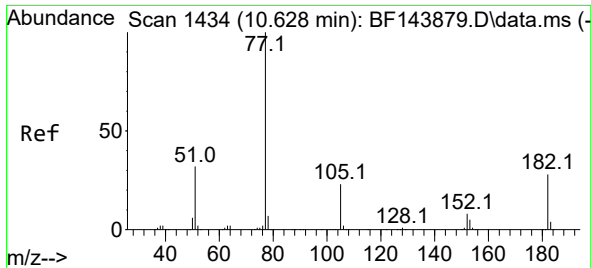
Tgt Ion:165 Resp: 28252
Ion Ratio Lower Upper
165 100
63 1.2 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.661 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion:165 Resp: 28252
Ion Ratio Lower Upper
165 100
63 1.2 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

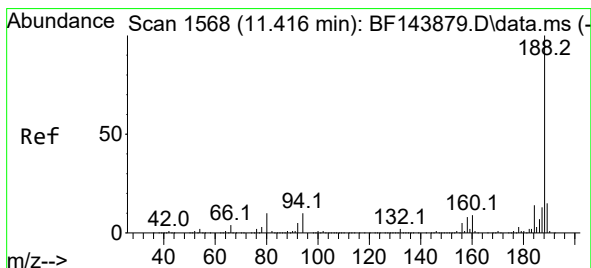
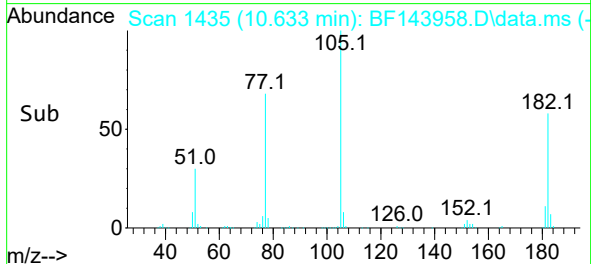
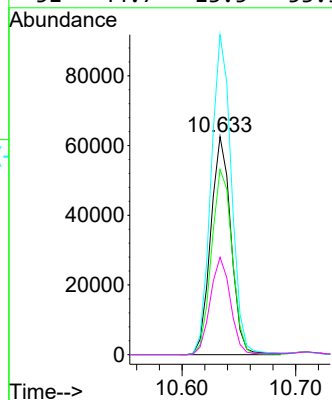
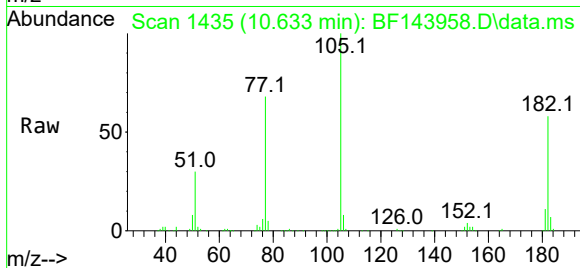




#63
 Azobenzene
 Concen: 5.477 ng
 RT: 10.633 min Scan# 1435
 Delta R.T. 0.000 min
 Lab File: BF143958.D
 Acq: 15 Oct 2025 17:57

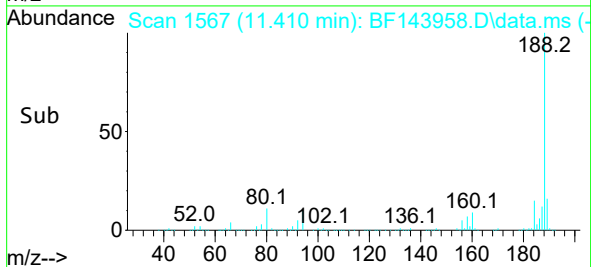
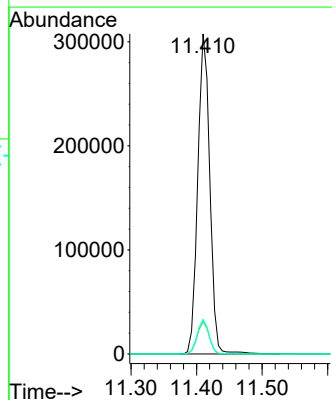
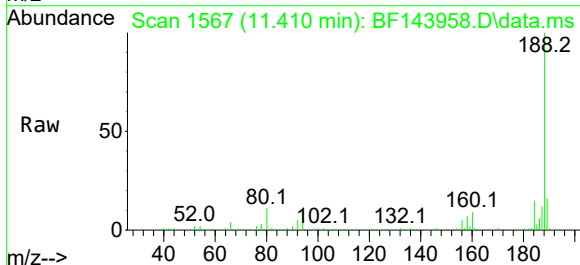
Instrument :
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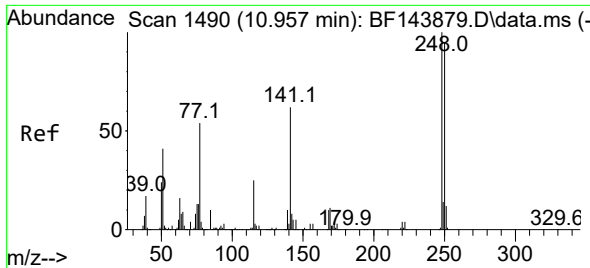
Tgt Ion: 77 Resp: 77725
 Ion Ratio Lower Upper
 77 100
 182 85.0 7.3 47.3#
 105 146.7 3.0 43.0#
 51 44.7 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143958.D
 Acq: 15 Oct 2025 17:57

Tgt Ion: 188 Resp: 393715
 Ion Ratio Lower Upper
 188 100
 94 10.1 7.8 11.6
 80 10.8 7.9 11.9

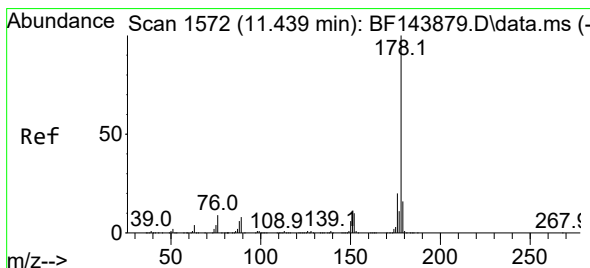
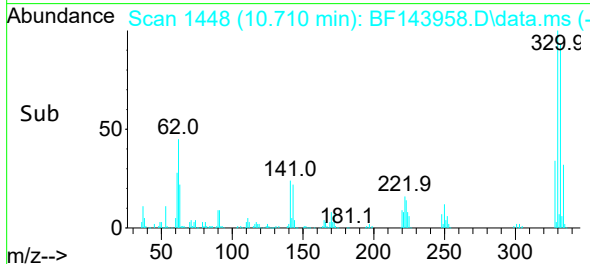
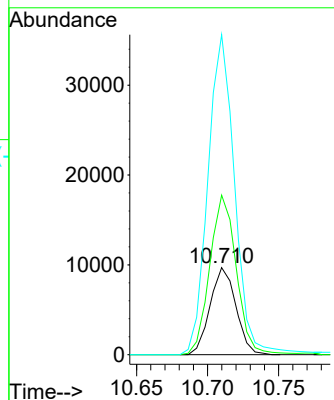
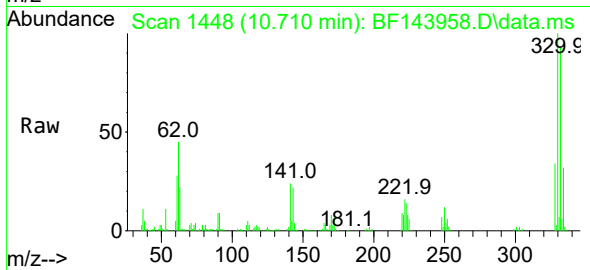




#67
4-Bromophenyl-phenylether
Concen: 2.821 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

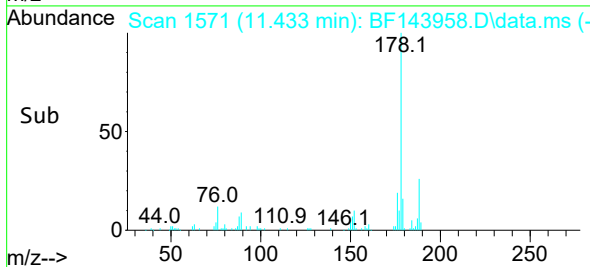
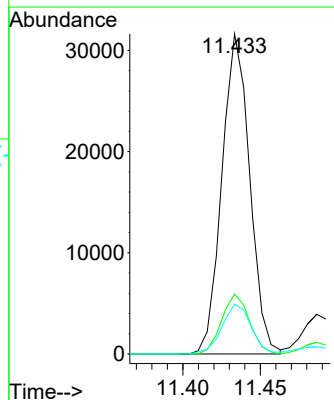
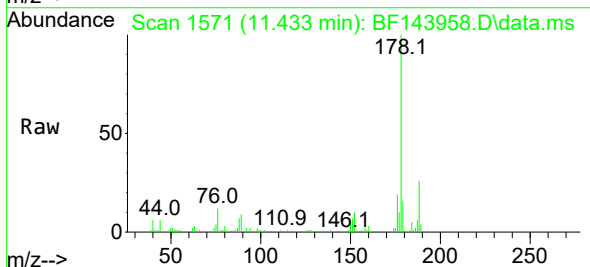
Instrument :
BNA_F
ClientSampleId :
C-1

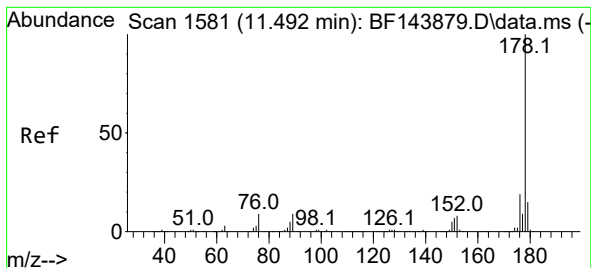
Tgt Ion:248 Resp: 12274
Ion Ratio Lower Upper
248 100
250 183.1 76.3 114.5#
141 367.5 49.7 74.5#



#71
Phenanthrene
Concen: 2.066 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion:178 Resp: 39438
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.5 12.4 18.6





#72

Anthracene

Concen: 2.045 ng

RT: 11.433 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

Instrument :

BNA_F

ClientSampleId :

C-1

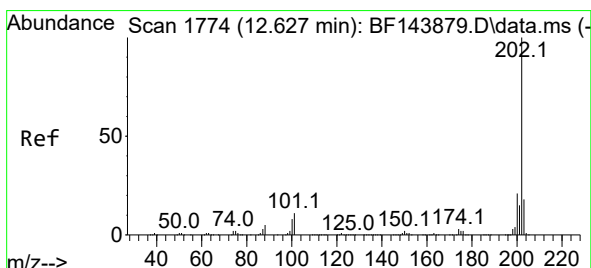
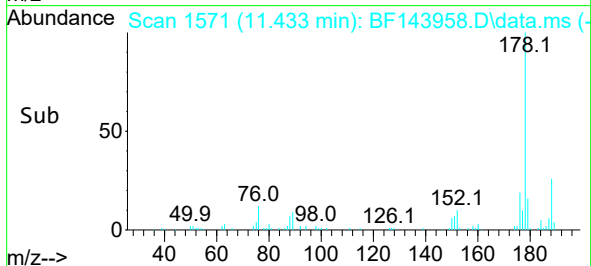
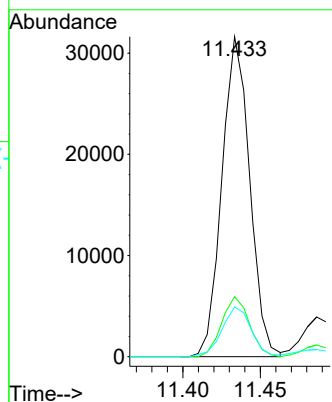
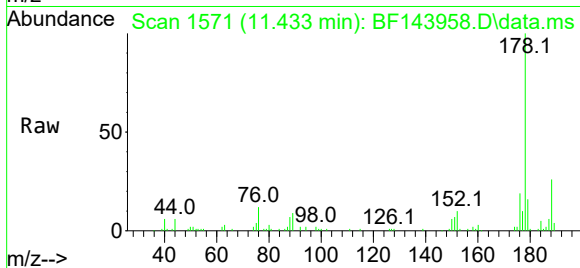
Tgt Ion:178 Resp: 39438

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.5 12.2 18.2



#75

Fluoranthene

Concen: 2.840 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

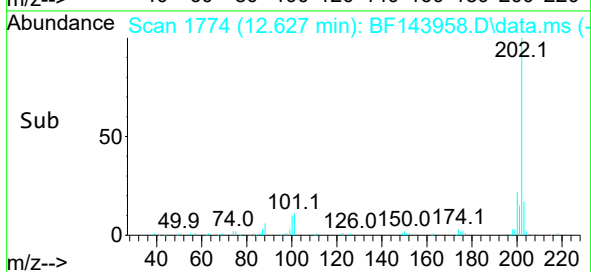
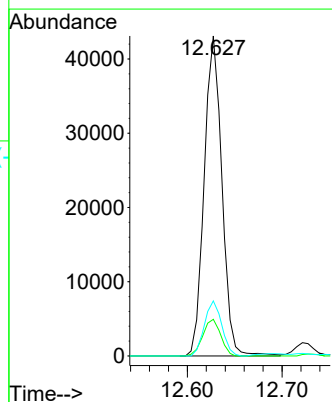
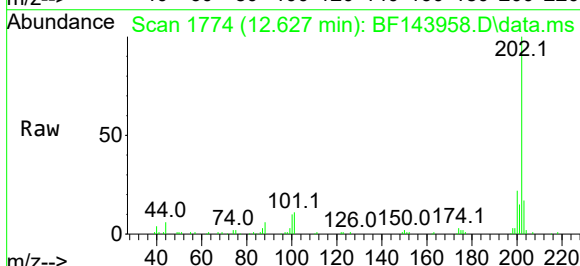
Tgt Ion:202 Resp: 55989

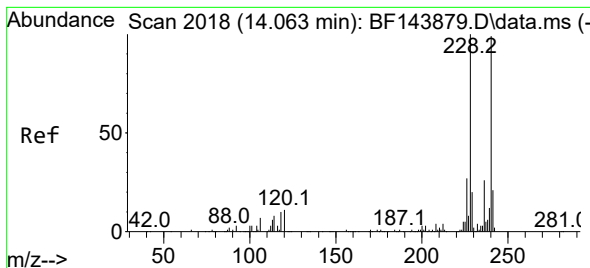
Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.7

203 17.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

Instrument :

BNA_F

ClientSampleId :

C-1

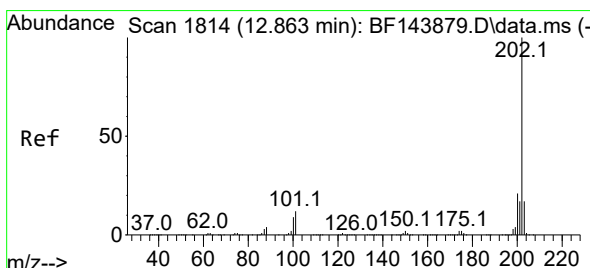
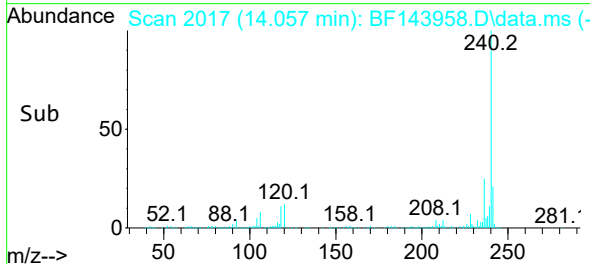
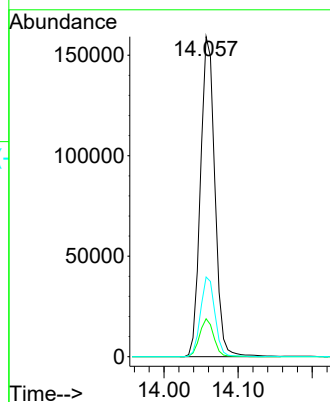
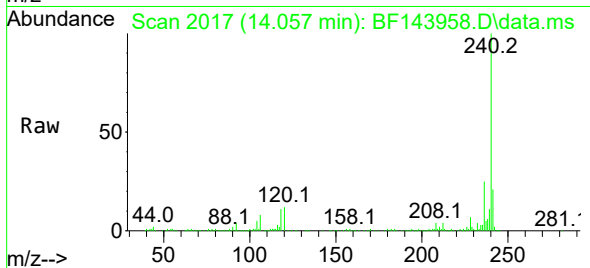
Tgt Ion:240 Resp: 214780

Ion Ratio Lower Upper

240 100

120 11.9 8.6 13.0

236 24.9 21.1 31.7



#78

Pyrene

Concen: 2.513 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

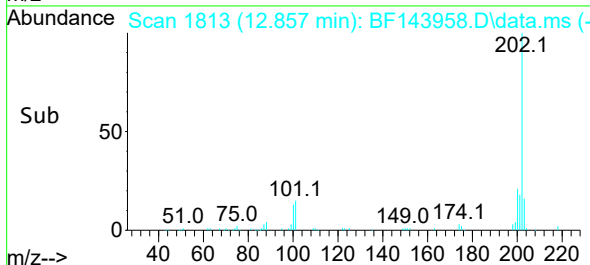
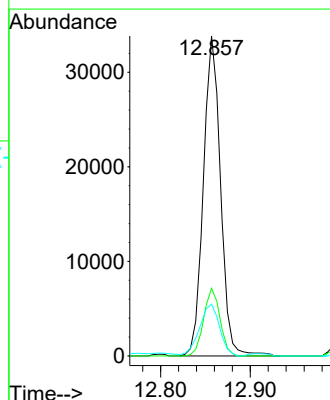
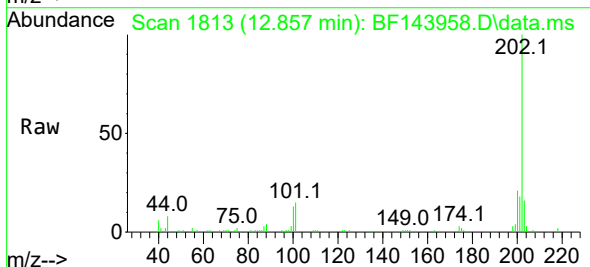
Tgt Ion:202 Resp: 44998

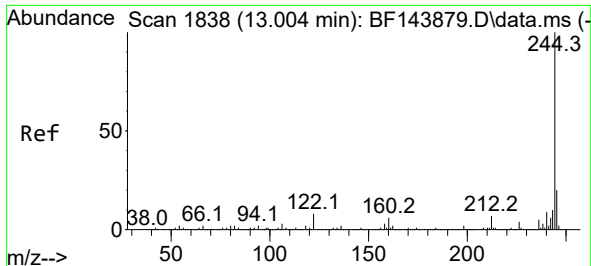
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

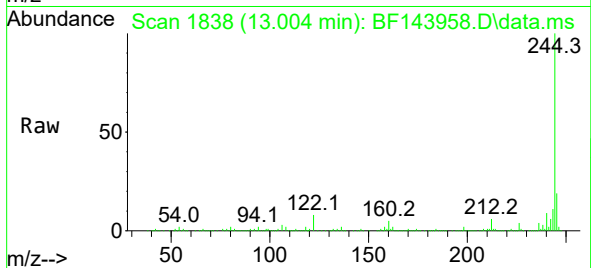
203 16.2 13.8 20.6



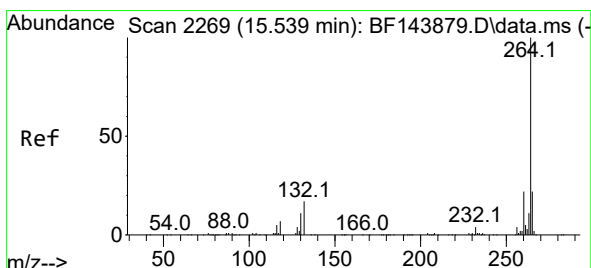
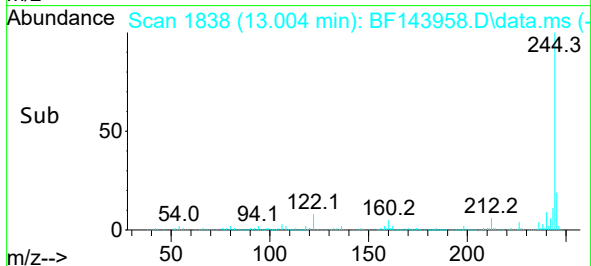
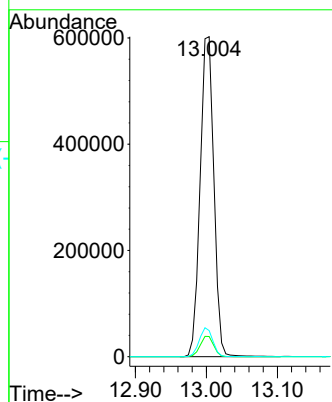


#79
 Terphenyl-d14
 Concen: 64.656 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143958.D
 Acq: 15 Oct 2025 17:57

Instrument :
 BNA_F
 ClientSampleId :
 C-1

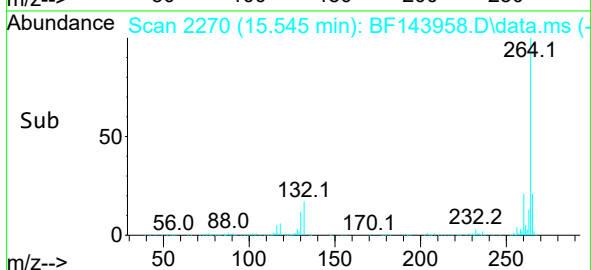
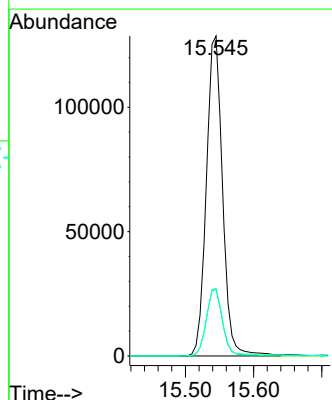
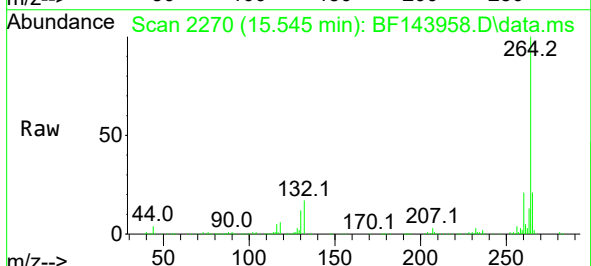


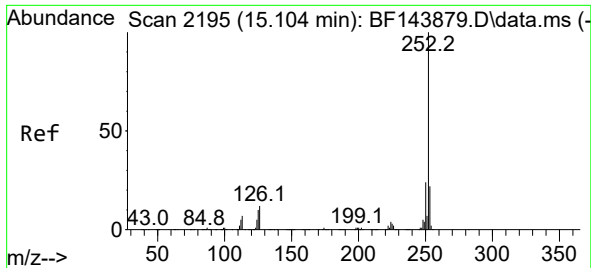
Tgt Ion:244 Resp: 812538
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.1 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143958.D
 Acq: 15 Oct 2025 17:57

Tgt Ion:264 Resp: 212779
 Ion Ratio Lower Upper
 264 100
 260 20.7 17.8 26.8
 265 21.2 17.5 26.3

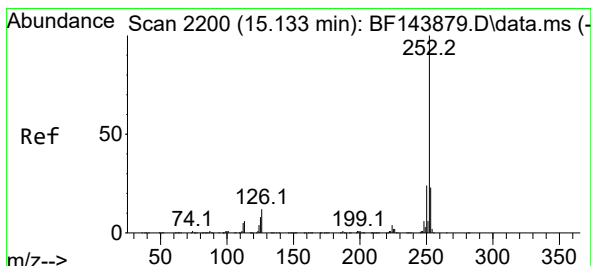
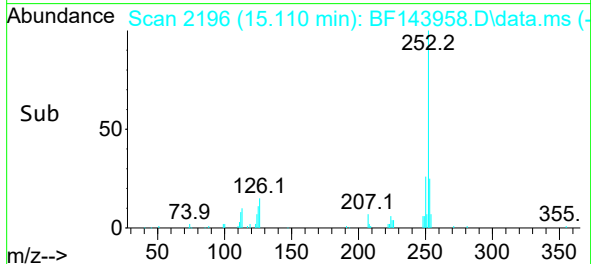
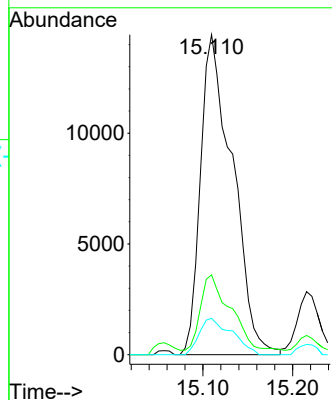
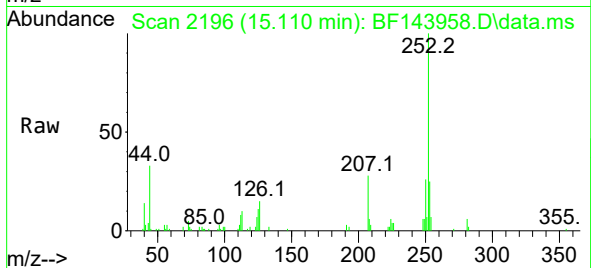




#88
Benzo(b)fluoranthene
Concen: 2.923 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Instrument :
BNA_F
ClientSampleId :
C-1

Tgt Ion:252 Resp: 35727
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.4 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 3.159 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion:252 Resp: 35727
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 11.4 7.4 11.2#

