

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011625\
 Data File : BF141186.D
 Acq On : 16 Jan 2025 15:39
 Operator : RC/JU
 Sample : Q1094-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Quant Time: Jan 16 15:58:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

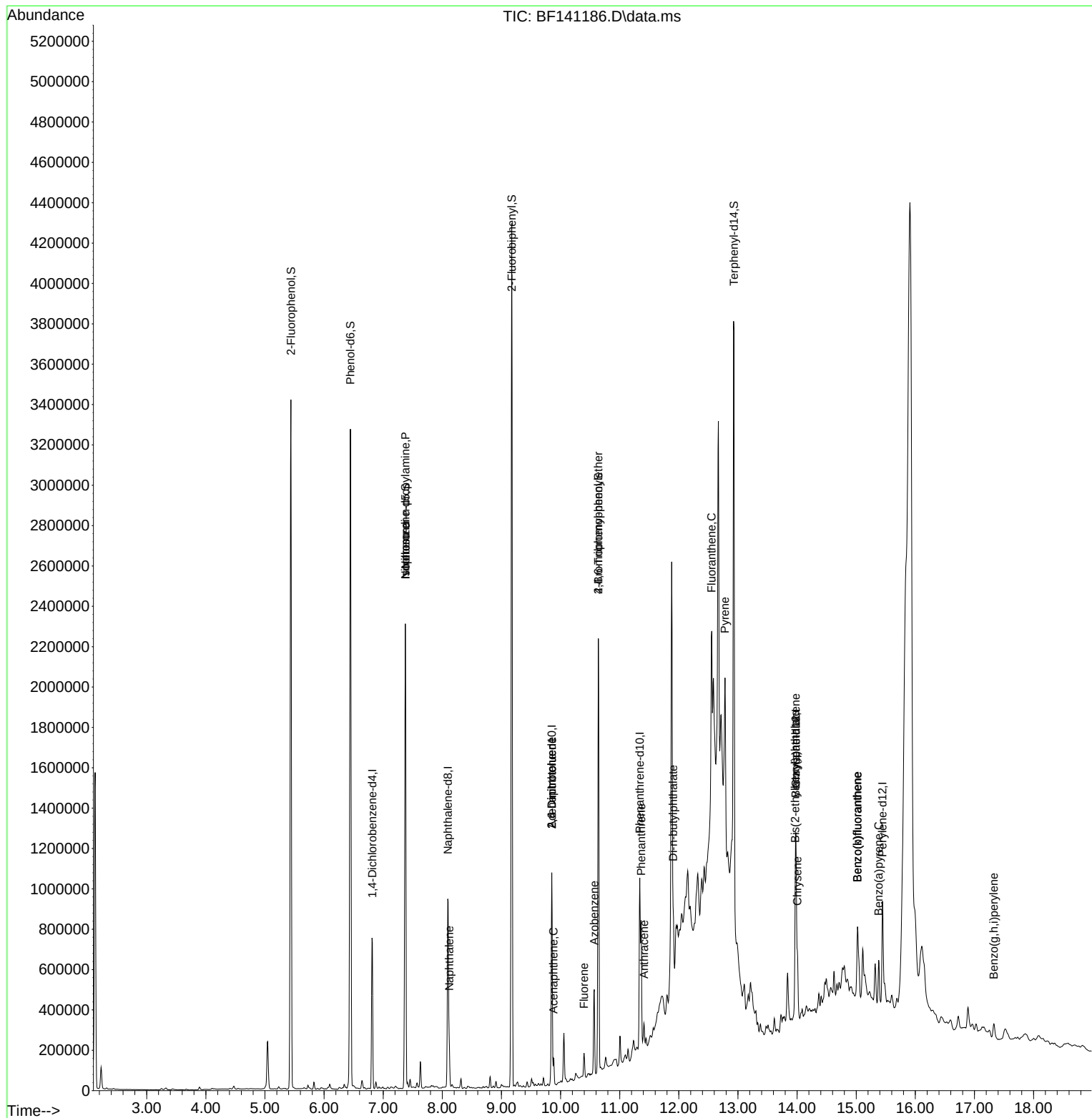
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	159982	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	613378	20.000	ng	-0.01
39) Acenaphthene-d10	9.851	164	307143	20.000	ng	-0.01
64) Phenanthrene-d10	11.339	188	417009	20.000	ng	0.00
76) Chrysene-d12	13.980	240	301102	20.000	ng	0.00
86) Perylene-d12	15.445	264	297519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1369151	132.207	ng	0.01
7) Phenol-d6	6.445	99	1673035	127.535	ng	0.00
23) Nitrobenzene-d5	7.375	82	1115547	96.406	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	383758	109.655	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1940322	96.468	ng	0.00
79) Terphenyl-d14	12.933	244	1516833	74.874	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	154048	19.935	ng	# 76
25) Isophorone	7.375	82	1111198	56.193	ng	# 65
31) Naphthalene	8.116	128	140588	4.346	ng	99
51) 2,6-Dinitrotoluene	9.851	165	41858	8.729	ng	# 27
52) Acenaphthene	9.880	154	41961	2.263	ng	98
57) 2,4-Dinitrotoluene	9.851	165	41858	6.774	ng	# 25
58) Fluorene	10.398	166	46217	2.358	ng	99
63) Azobenzene	10.569	77	106628	5.368	ng	# 1
67) 4-Bromophenyl-phenylether	10.639	248	23787	4.955	ng	# 1
71) Phenanthrene	11.363	178	321883	14.378	ng	100
72) Anthracene	11.410	178	57460	2.640	ng	98
74) Di-n-butylphthalate	11.904	149	221720	9.706	ng	99
75) Fluoranthene	12.551	202	449703	20.129	ng	99
78) Pyrene	12.780	202	375977	13.073	ng	99
81) Benzo(a)anthracene	13.974	228	180749	8.821	ng	95
83) Chrysene	14.004	228	184402	9.617	ng	97
84) Bis(2-ethylhexyl)phtha...	13.968	149	56894	4.945	ng	97
88) Benzo(b)fluoranthene	15.021	252	305353	15.916	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	305353	18.834	ng	# 96
90) Benzo(a)pyrene	15.380	252	138992	8.781	ng	96
92) Benzo(g,h,i)perylene	17.327	276	71921	3.922	ng	95

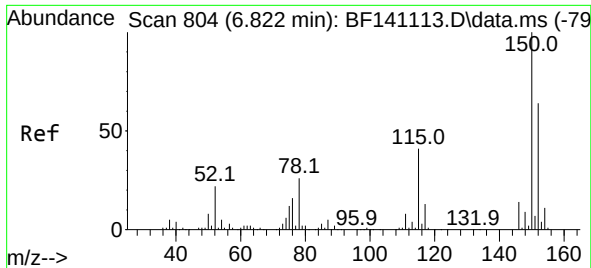
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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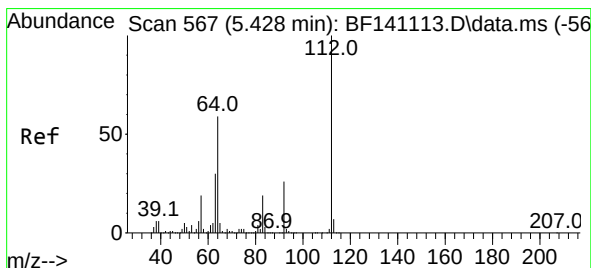
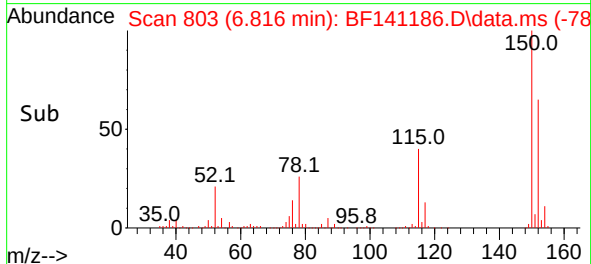
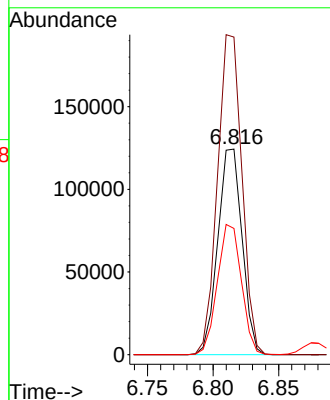
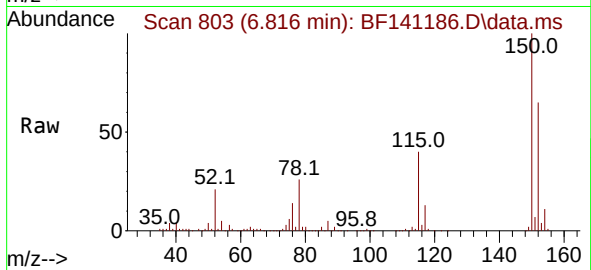




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.006 min
 Lab File: BF141186.D
 Acq: 16 Jan 2025 15:39

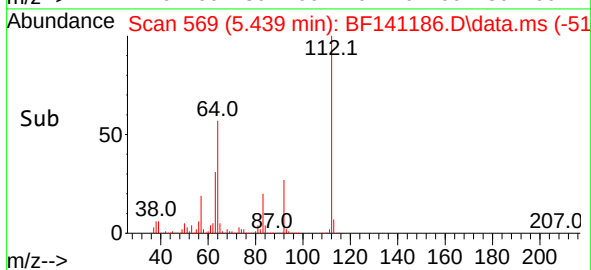
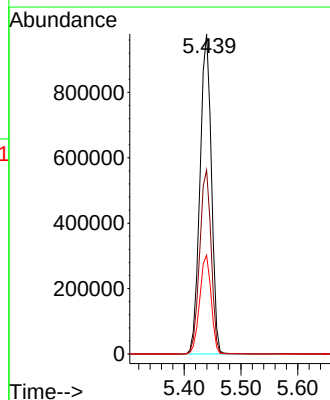
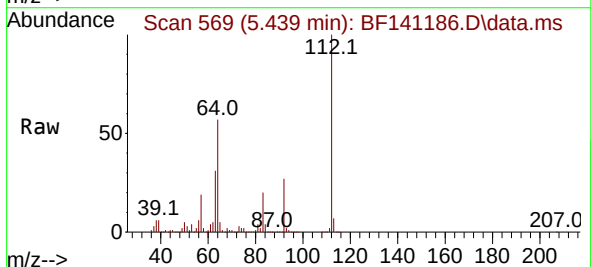
Instrument :
 BNA_F
 ClientSampleId :
 72-11938

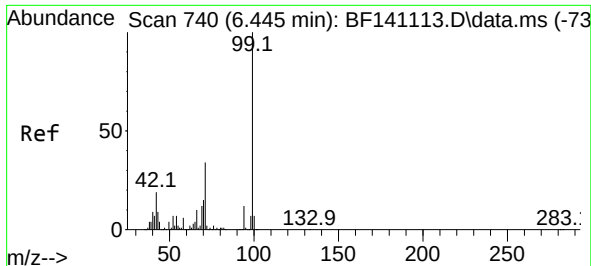
Tgt Ion:152 Resp: 159982
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.8 188.8
 115 61.4 51.4 77.2



#5
 2-Fluorophenol
 Concen: 132.207 ng
 RT: 5.439 min Scan# 569
 Delta R.T. 0.012 min
 Lab File: BF141186.D
 Acq: 16 Jan 2025 15:39

Tgt Ion:112 Resp: 1369151
 Ion Ratio Lower Upper
 112 100
 64 57.4 47.3 70.9
 63 30.8 24.2 36.2

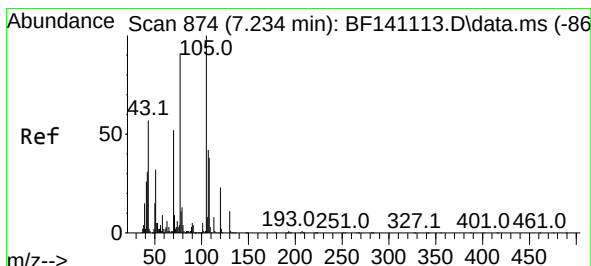
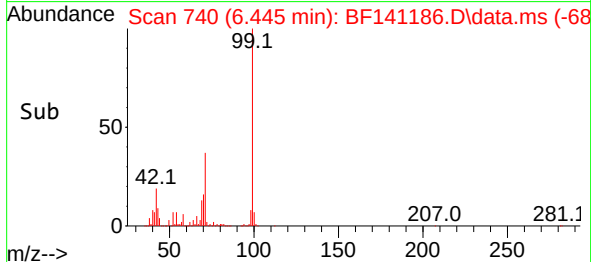
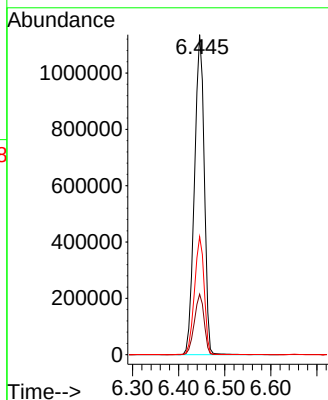
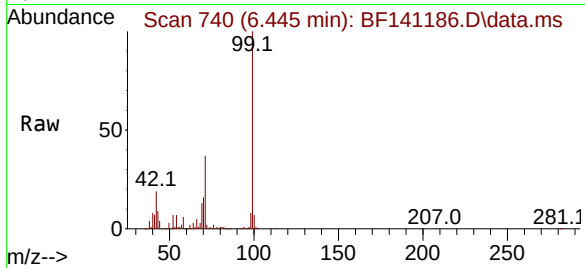




#7
Phenol-d6
Concen: 127.535 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

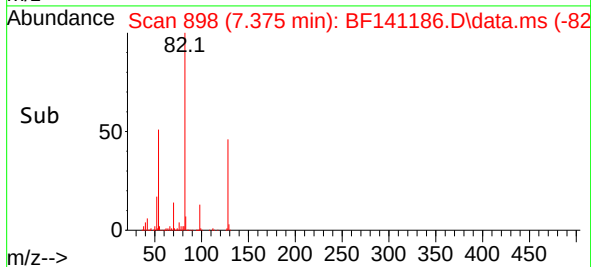
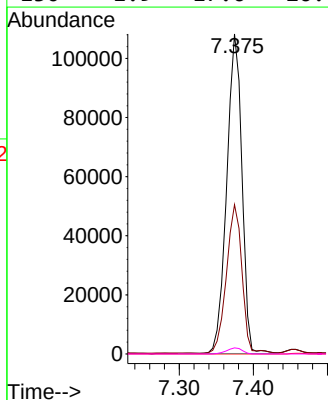
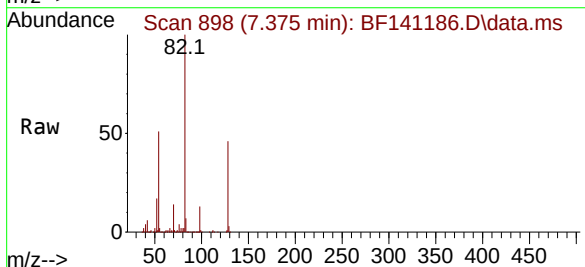
Instrument :
BNA_F
ClientSampleId :
72-11938

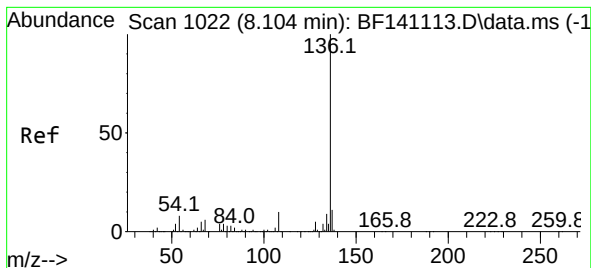
Tgt Ion: 99 Resp: 1673035
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 36.8 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.935 ng
RT: 7.375 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion: 70 Resp: 154048
Ion Ratio Lower Upper
70 100
42 46.7 47.8 71.6#
101 0.0 7.9 11.9#
130 1.9 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

Tgt Ion:136 Resp: 613378

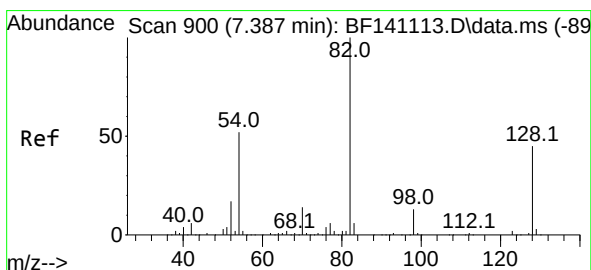
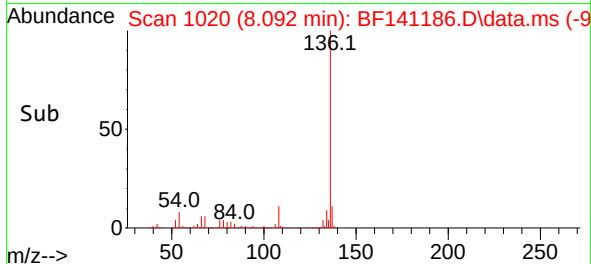
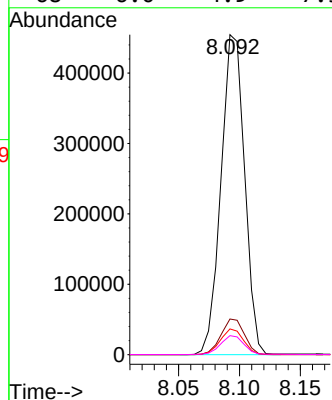
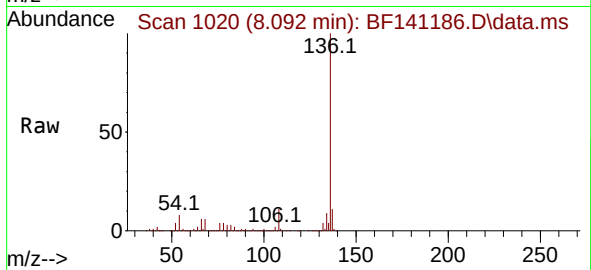
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.0 6.3 9.5

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 96.406 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

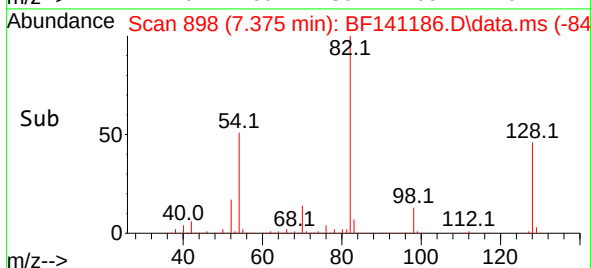
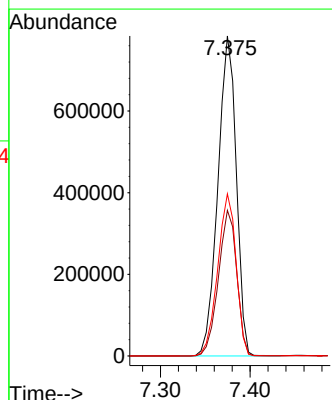
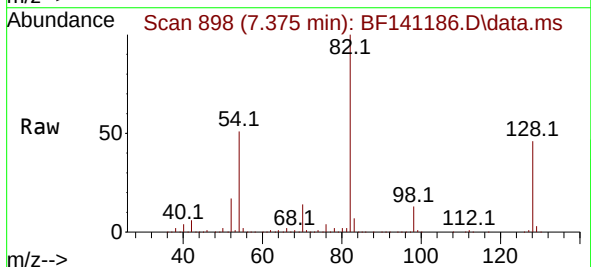
Tgt Ion: 82 Resp: 1115547

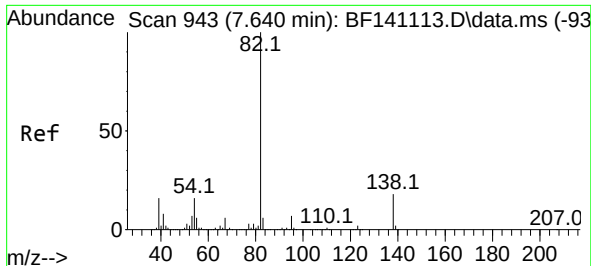
Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

54 50.6 41.0 61.4

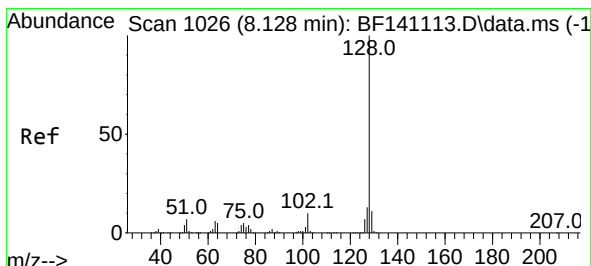
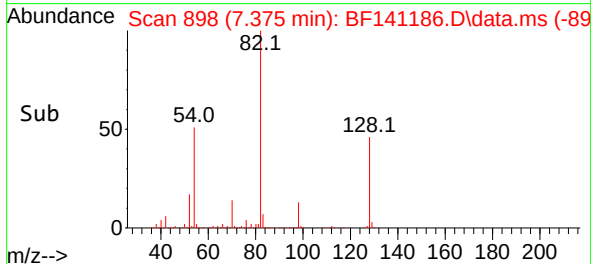
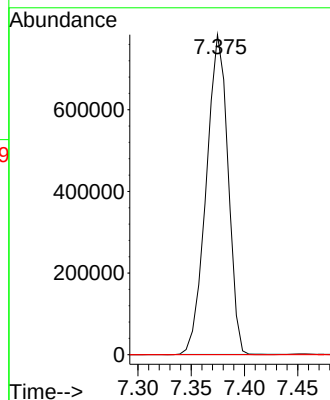
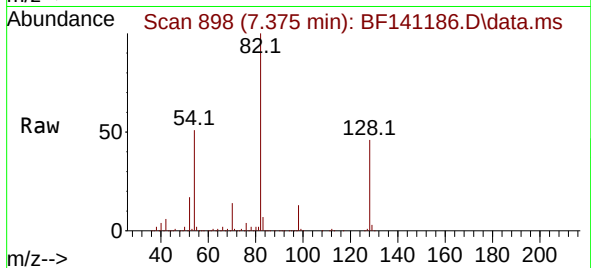




#25
Isophorone
Concen: 56.193 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

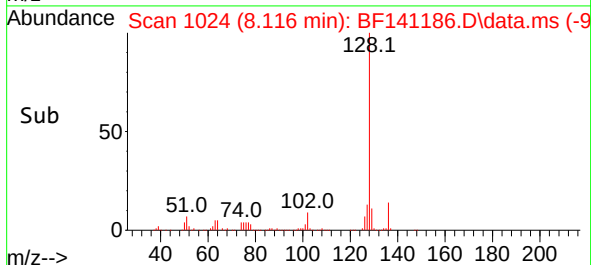
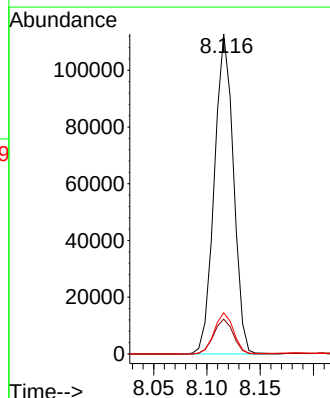
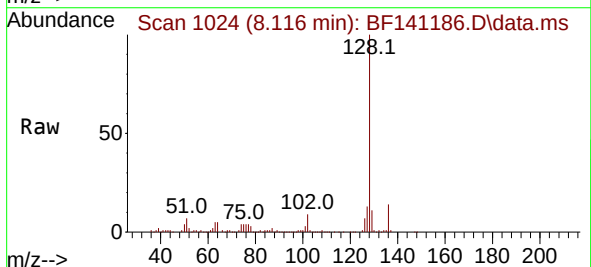
Instrument :
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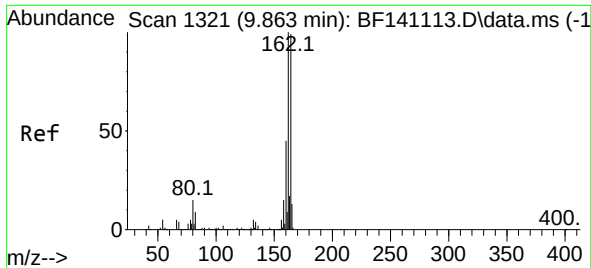
Tgt Ion: 82 Resp: 1111198
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 4.346 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:128 Resp: 140588
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.8 10.8 16.2

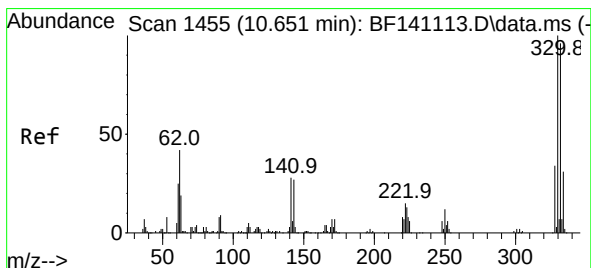
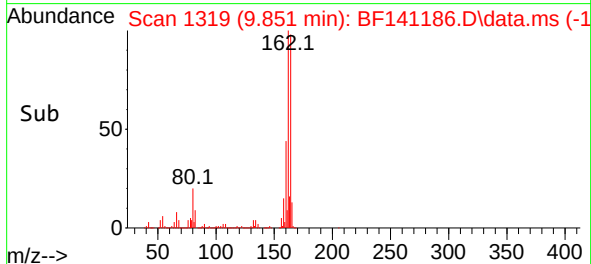
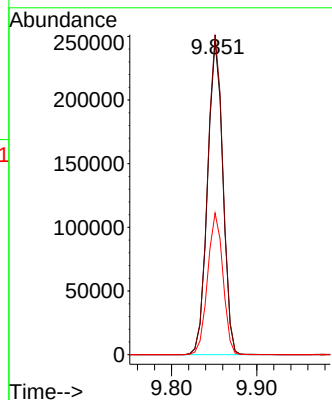
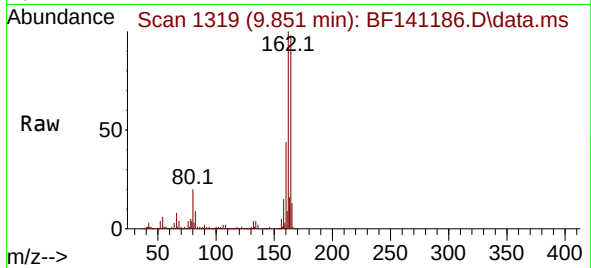




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

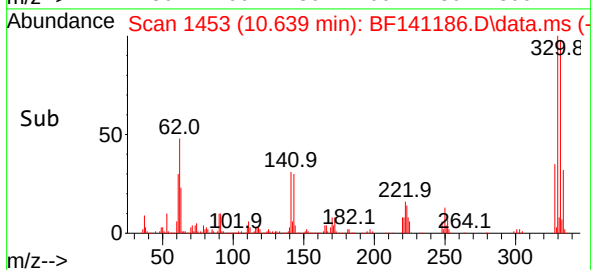
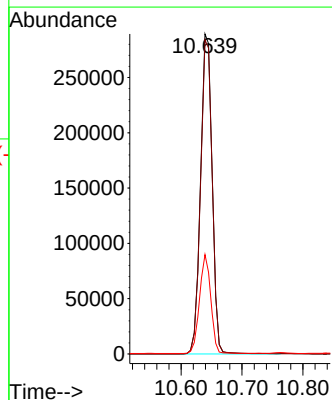
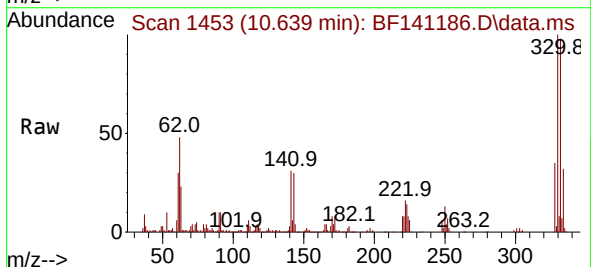
Instrument :
BNA_F
ClientSampleId :
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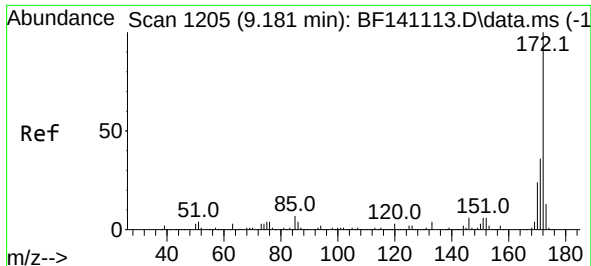
Tgt Ion:164 Resp: 307143
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.4
160 45.2 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 109.655 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:330 Resp: 383758
Ion Ratio Lower Upper
330 100
332 98.5 76.9 115.3
141 30.0 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 96.468 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

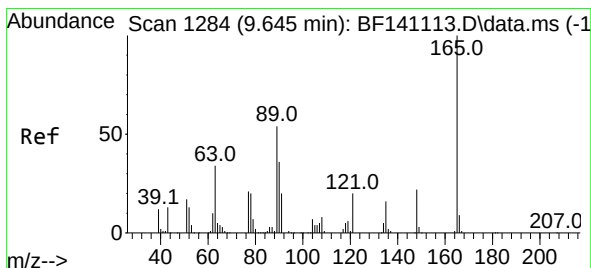
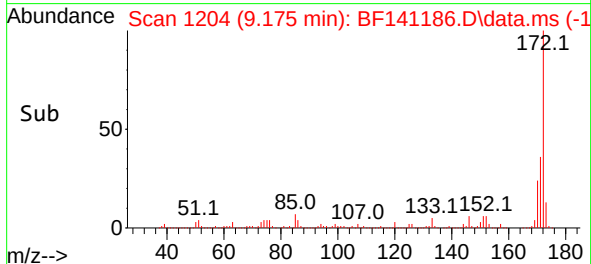
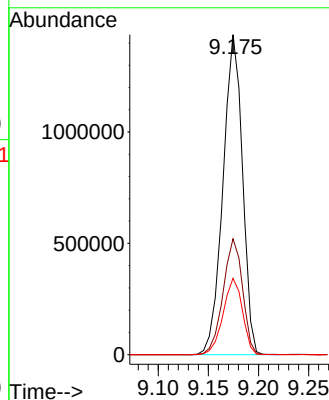
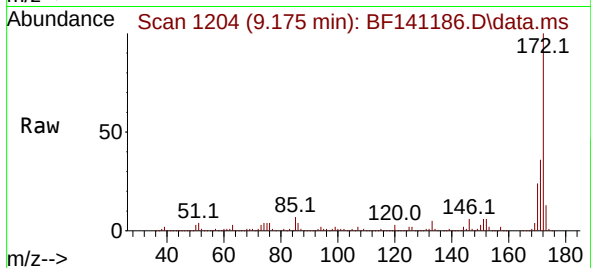
Tgt Ion:172 Resp: 1940322

Ion Ratio Lower Upper

172 100

171 36.2 28.7 43.1

170 23.8 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.729 ng

RT: 9.851 min Scan# 1319

Delta R.T. 0.206 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

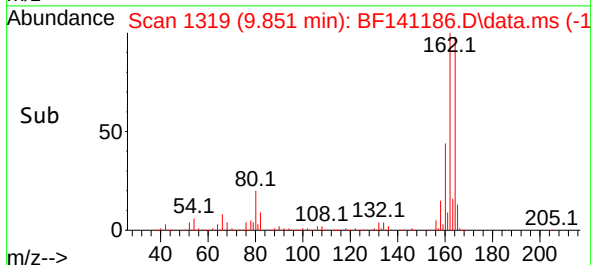
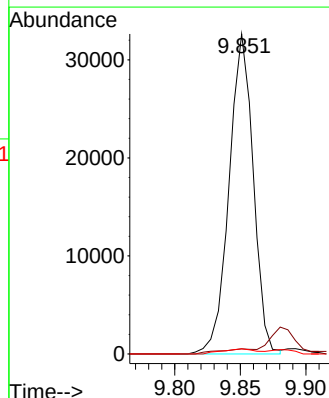
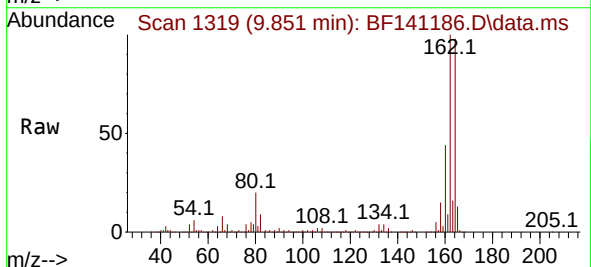
Tgt Ion:165 Resp: 41858

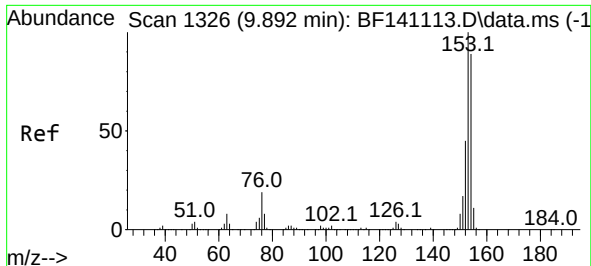
Ion Ratio Lower Upper

165 100

63 1.6 42.3 63.5#

89 1.6 43.1 64.7#

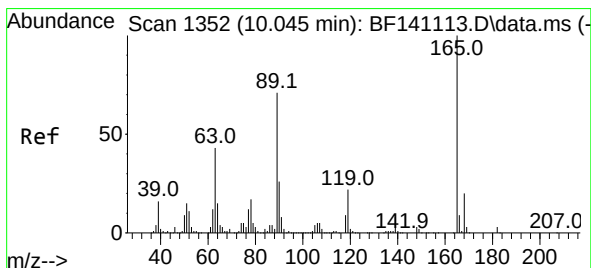
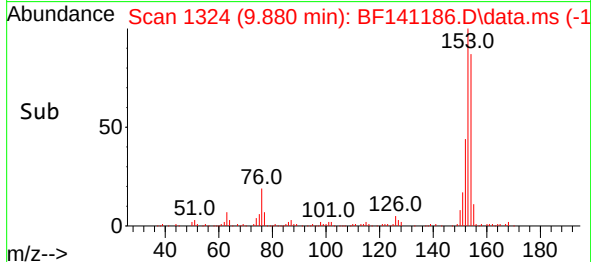
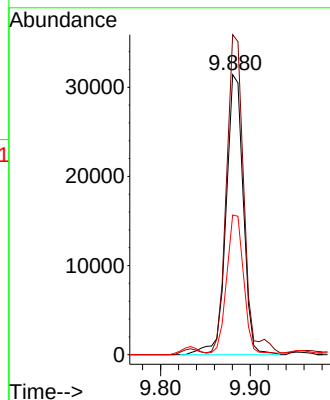
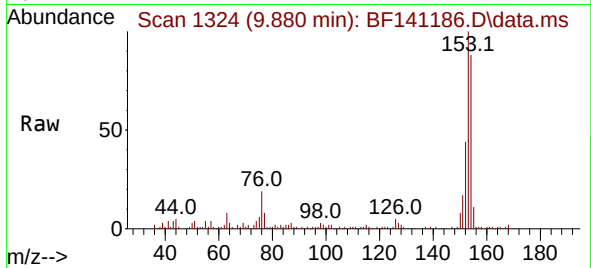




#52
Acenaphthene
Concen: 2.263 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

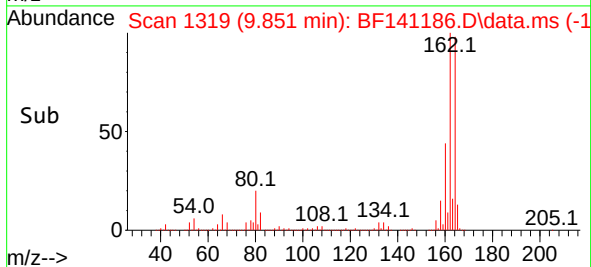
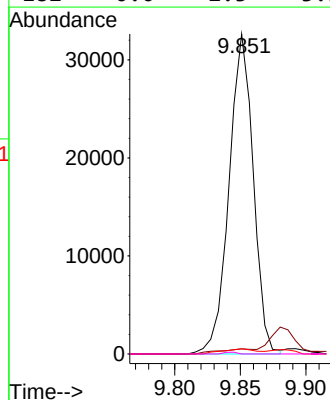
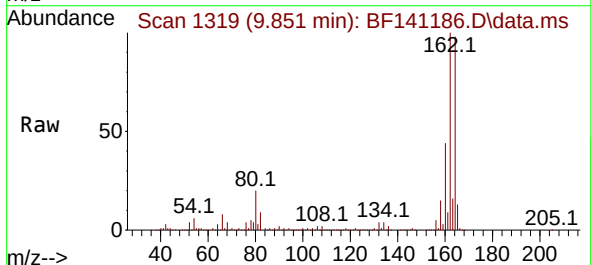
Instrument :
BNA_F
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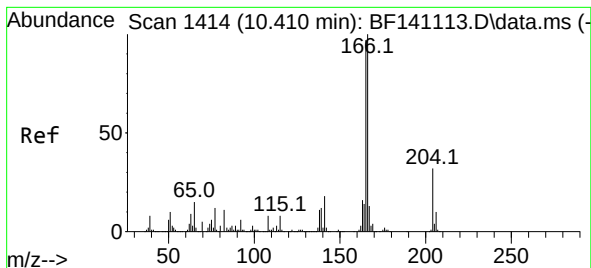
Tgt Ion:154 Resp: 41961
Ion Ratio Lower Upper
154 100
153 114.3 89.8 134.6
152 49.9 40.8 61.2



#57
2,4-Dinitrotoluene
Concen: 6.774 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:165 Resp: 41858
Ion Ratio Lower Upper
165 100
63 1.6 35.0 52.4#
89 1.6 56.7 85.1#
182 0.0 2.3 3.5#





#58

Fluorene

Concen: 2.358 ng

RT: 10.398 min Scan# 1412

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

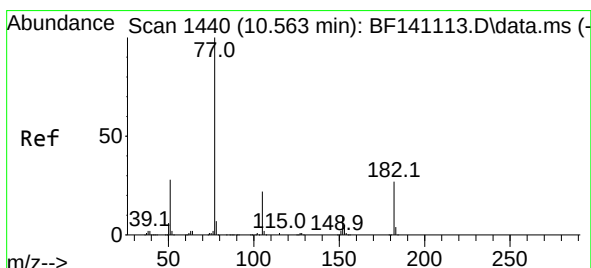
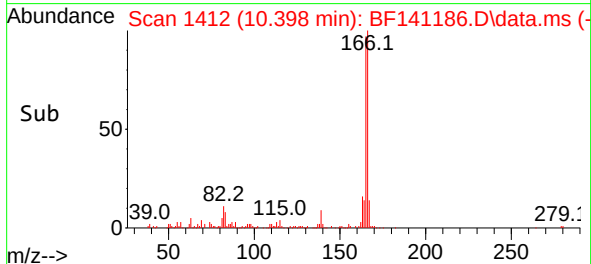
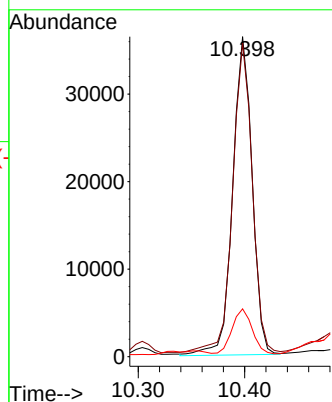
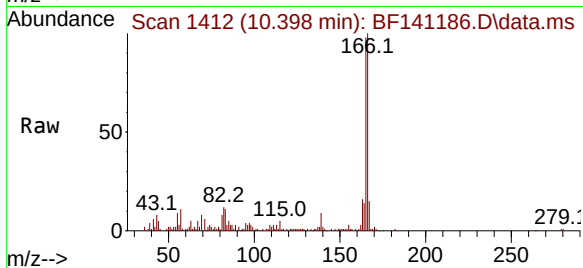
Tgt Ion:166 Resp: 46217

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.8

167 15.0 10.8 16.2



#63

Azobenzene

Concen: 5.368 ng

RT: 10.569 min Scan# 1441

Delta R.T. 0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Tgt Ion: 77 Resp: 106628

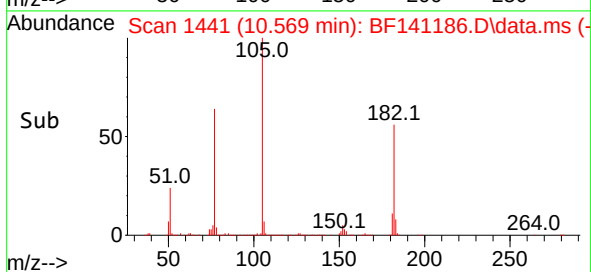
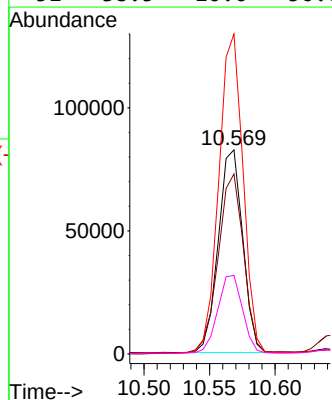
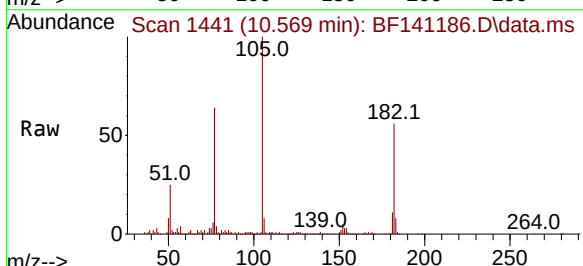
Ion Ratio Lower Upper

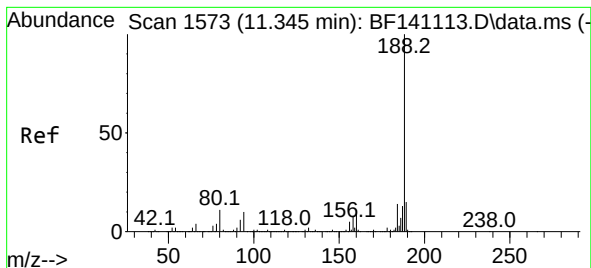
77 100

182 88.2 6.1 46.1#

105 156.7 2.1 42.1#

51 38.5 10.0 50.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

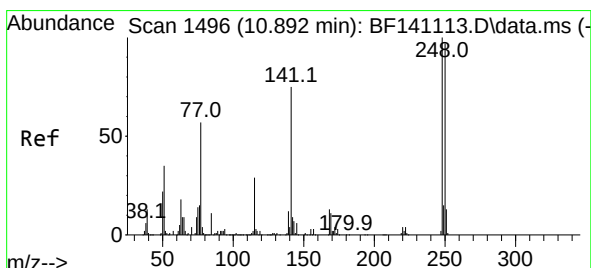
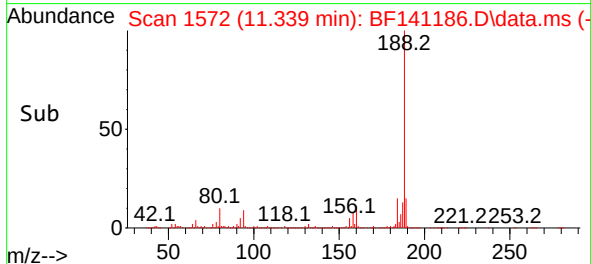
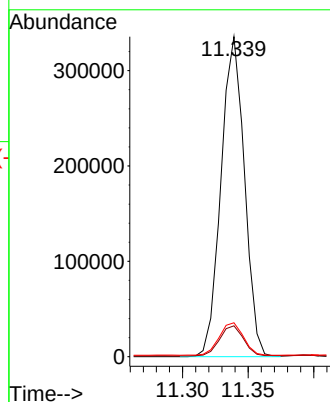
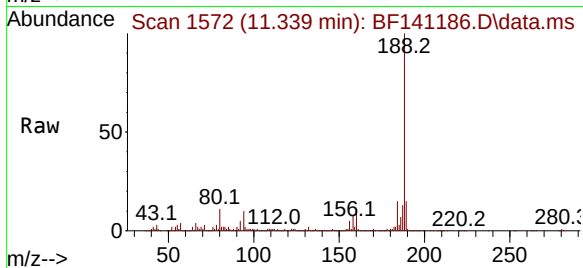
Tgt Ion:188 Resp: 417009

Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.6 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.955 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.253 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

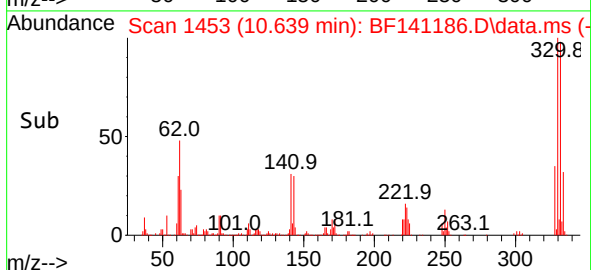
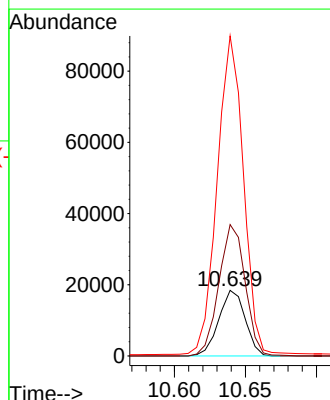
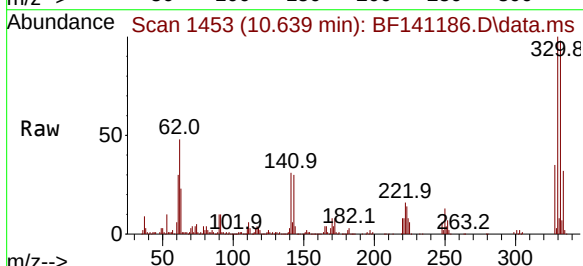
Tgt Ion:248 Resp: 23787

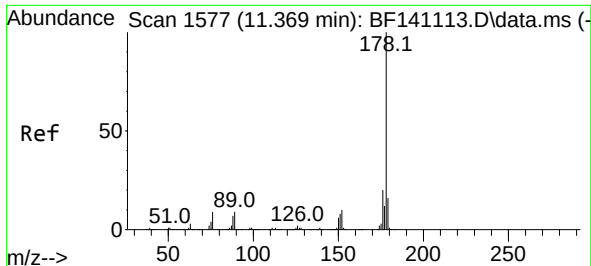
Ion Ratio Lower Upper

248 100

250 200.3 77.9 116.9#

141 488.1 59.9 89.9#

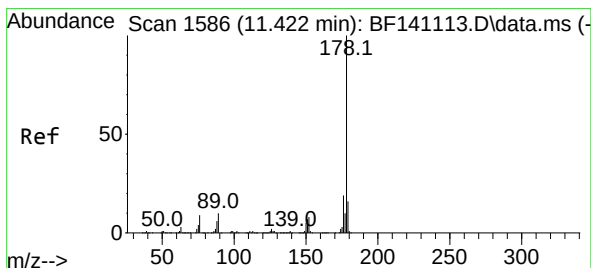
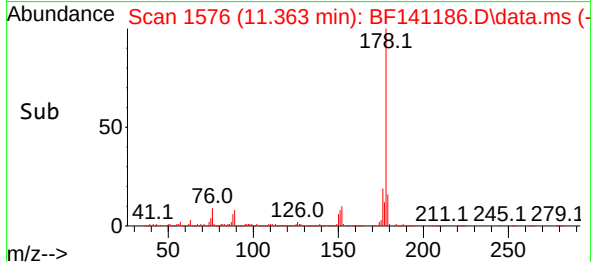
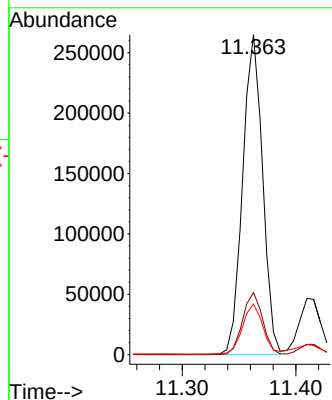
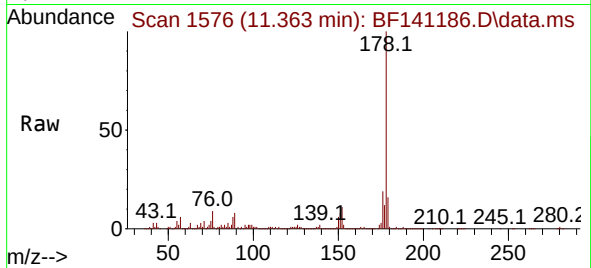




#71
Phenanthrene
Concen: 14.378 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

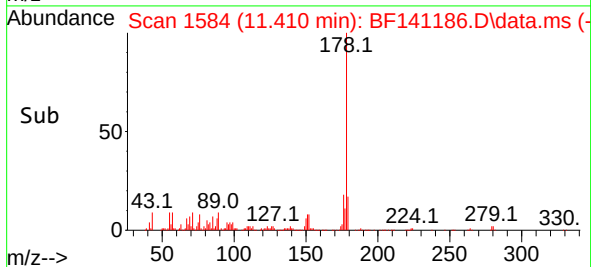
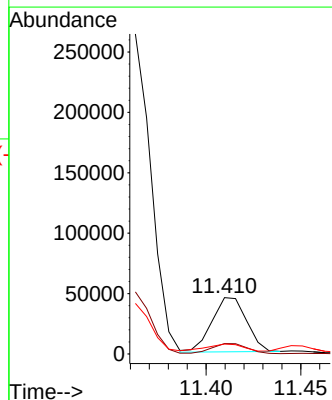
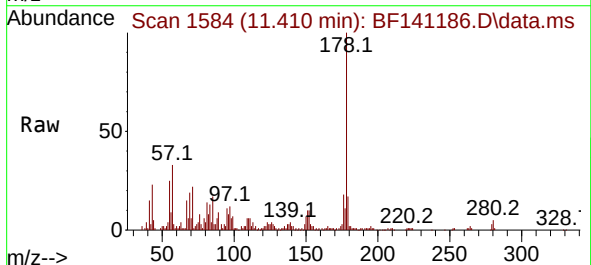
Instrument :
BNA_F
ClientSampleId :
72-11938

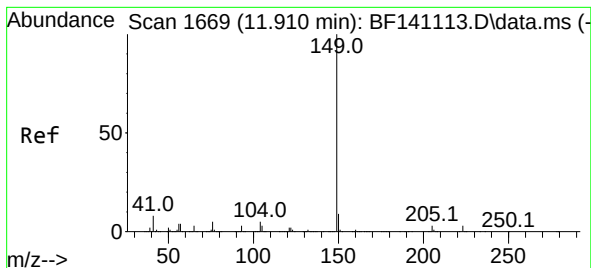
Tgt Ion:178 Resp: 321883
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 2.640 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:178 Resp: 57460
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 17.5 12.6 19.0





#74

Di-n-butylphthalate

Concen: 9.706 ng

RT: 11.904 min Scan# 1668

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

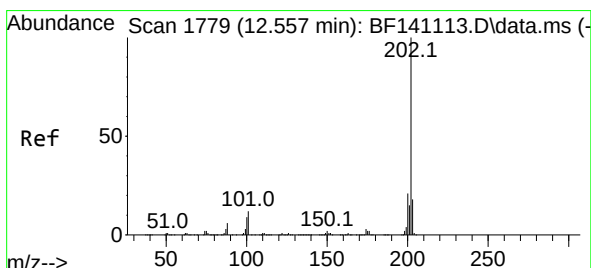
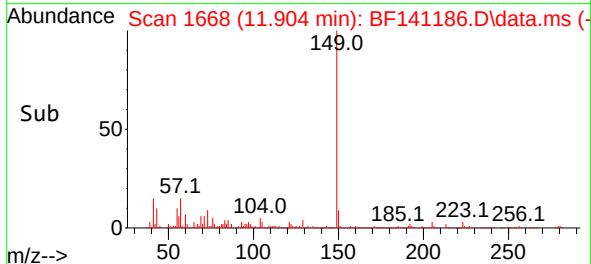
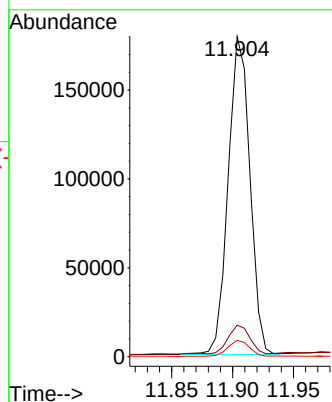
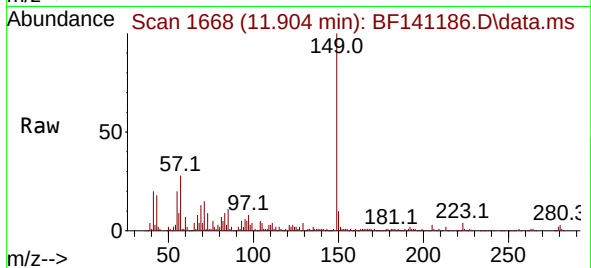
Tgt Ion:149 Resp: 221720

Ion Ratio Lower Upper

149 100

150 9.9 7.4 11.2

104 5.1 4.2 6.2



#75

Fluoranthene

Concen: 20.129 ng

RT: 12.551 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

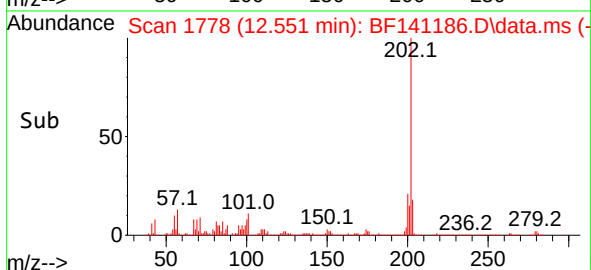
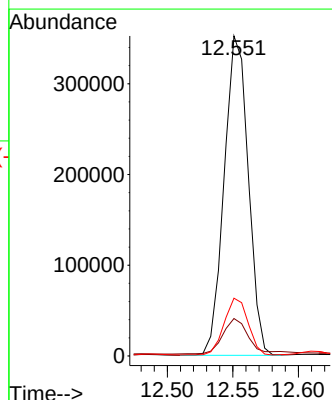
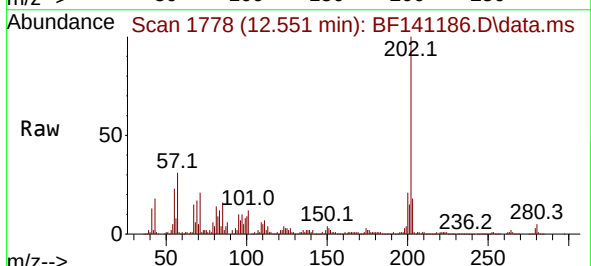
Tgt Ion:202 Resp: 449703

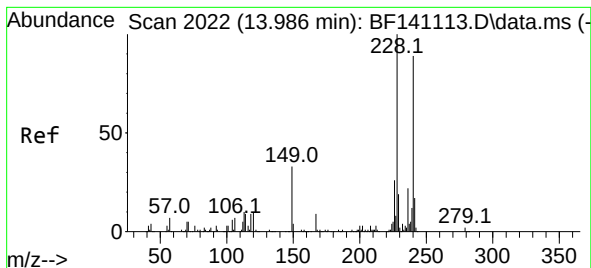
Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

203 18.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

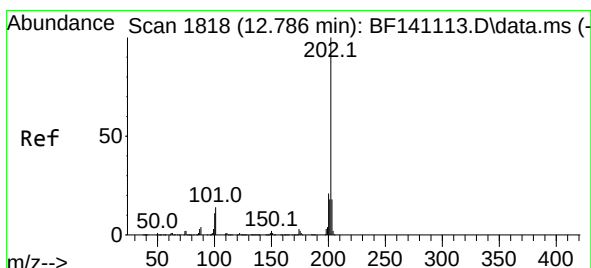
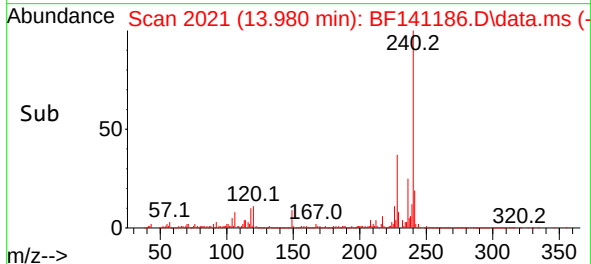
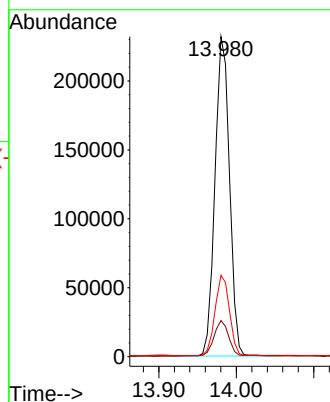
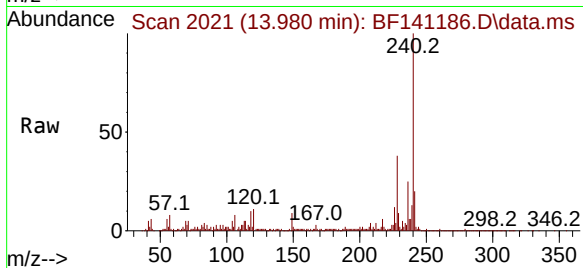
Tgt Ion:240 Resp: 301102

Ion Ratio Lower Upper

240 100

120 11.3 9.1 13.7

236 25.4 19.8 29.6



#78

Pyrene

Concen: 13.073 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

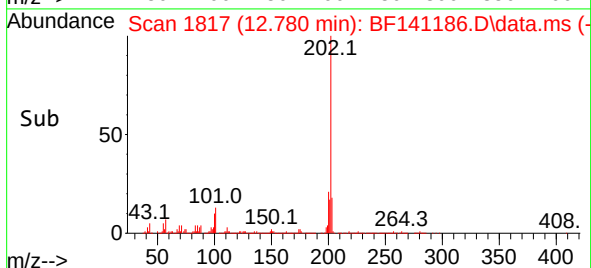
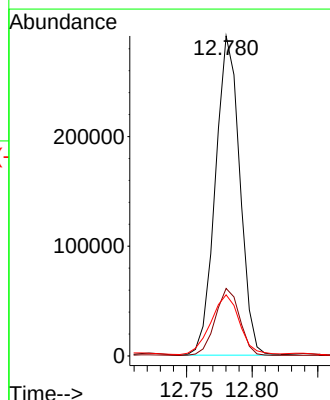
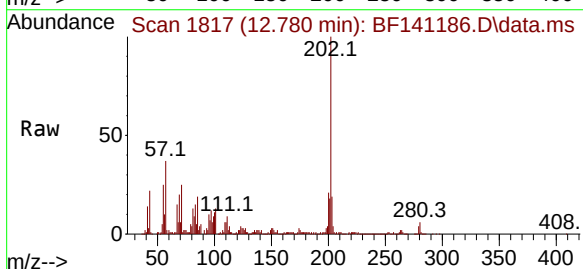
Tgt Ion:202 Resp: 375977

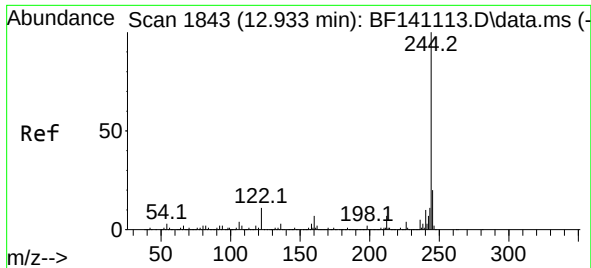
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 19.1 14.3 21.5

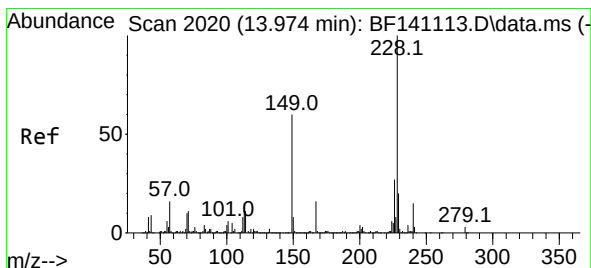
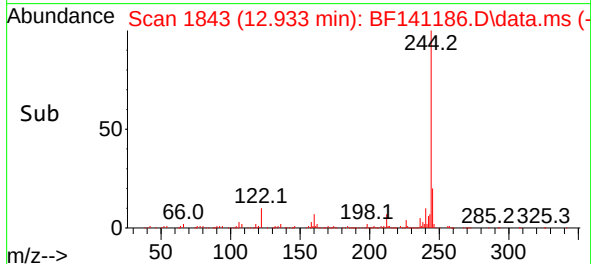
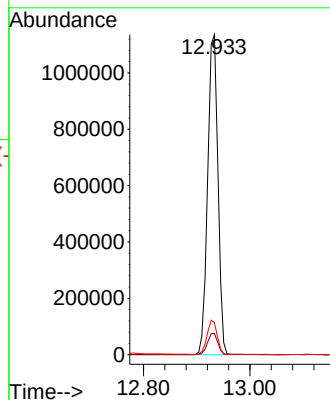
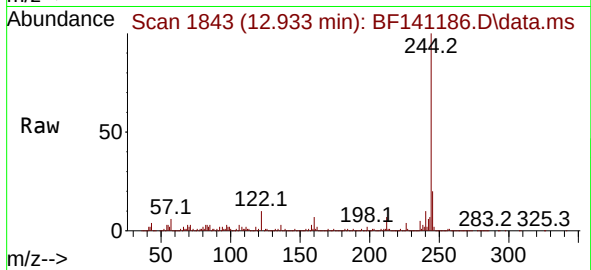




#79
 Terphenyl-d14
 Concen: 74.874 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.000 min
 Lab File: BF141186.D
 Acq: 16 Jan 2025 15:39

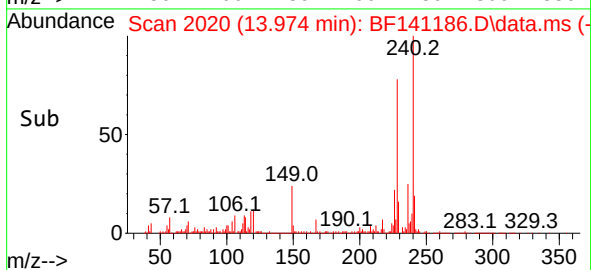
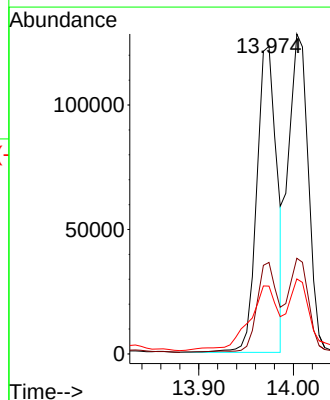
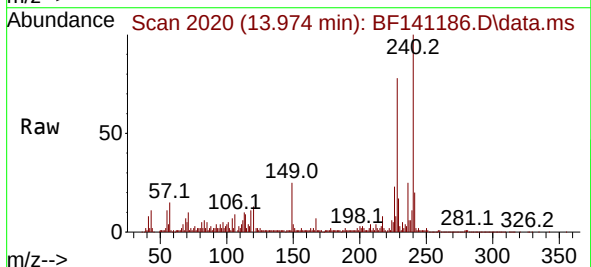
Instrument :
 BNA_F
 ClientSampleId :
 72-11938

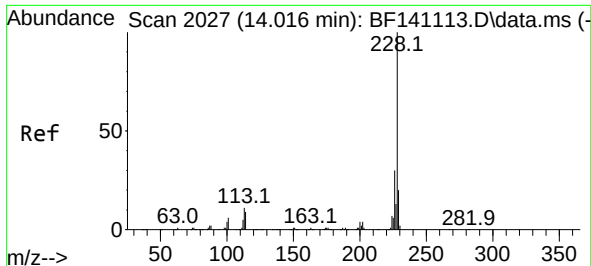
Tgt Ion:244 Resp: 1516833
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 8.821 ng
 RT: 13.974 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF141186.D
 Acq: 16 Jan 2025 15:39

Tgt Ion:228 Resp: 180749
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.7 32.5
 229 22.1 15.7 23.5





#83

Chrysene

Concen: 9.617 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

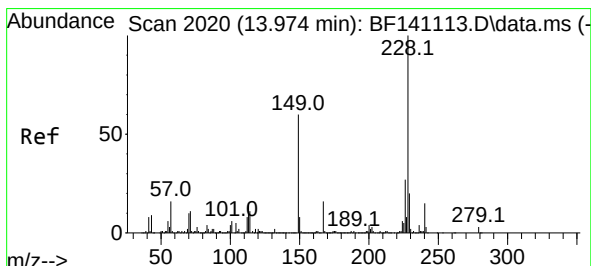
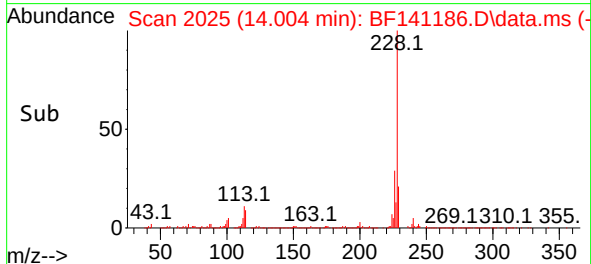
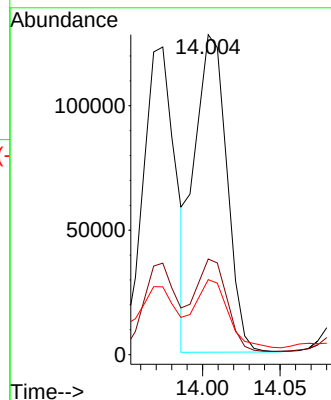
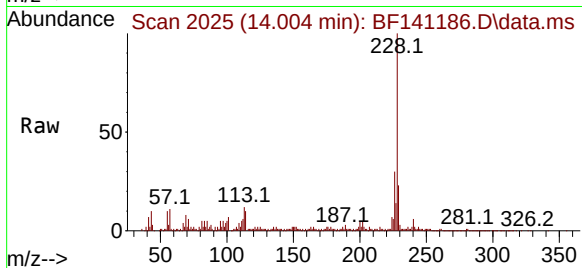
Tgt Ion:228 Resp: 184402

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 23.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.945 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

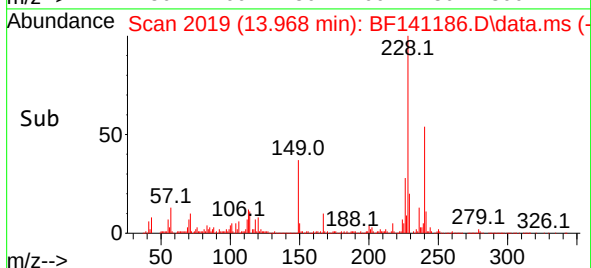
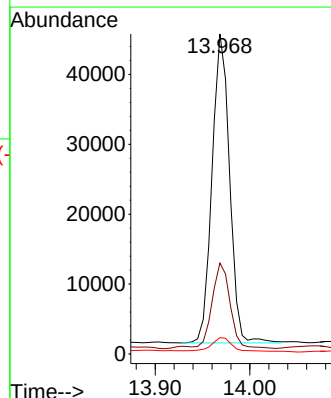
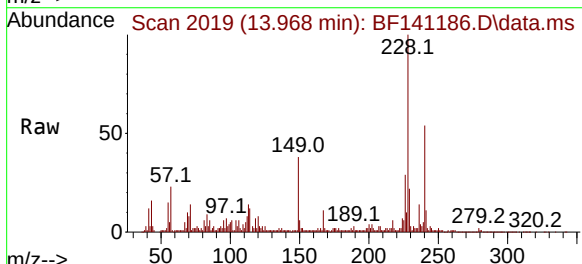
Tgt Ion:149 Resp: 56894

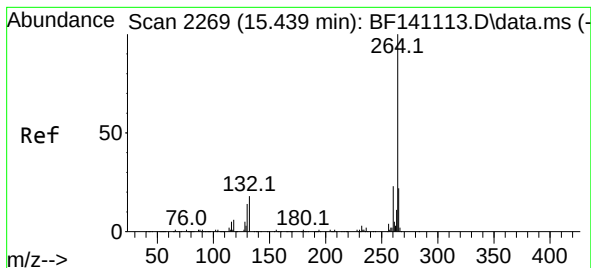
Ion Ratio Lower Upper

149 100

167 28.4 21.4 32.2

279 5.1 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

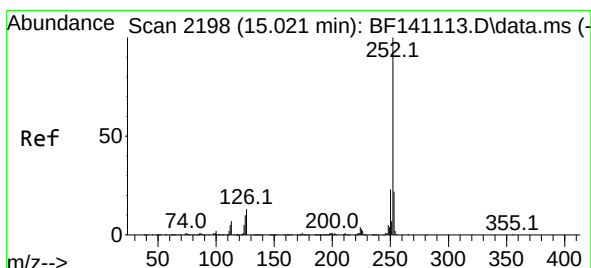
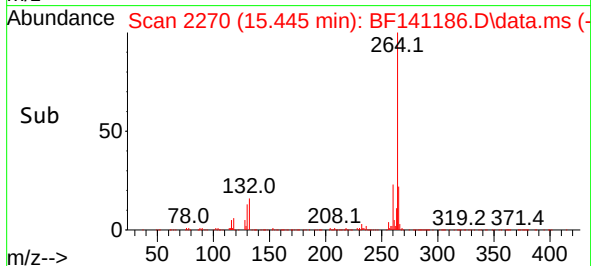
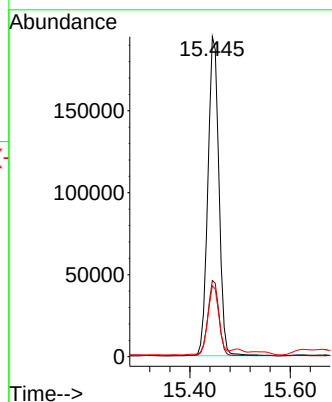
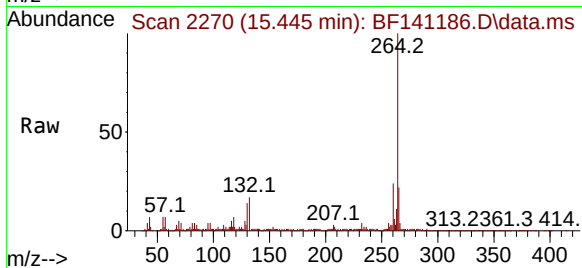
Tgt Ion:264 Resp: 297519

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.1 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 15.916 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

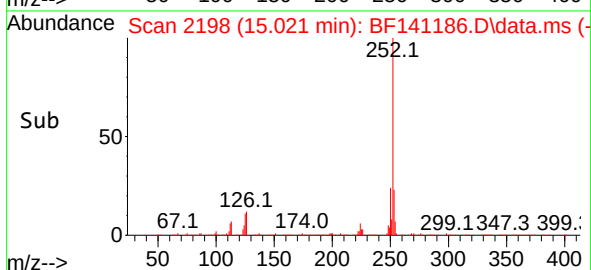
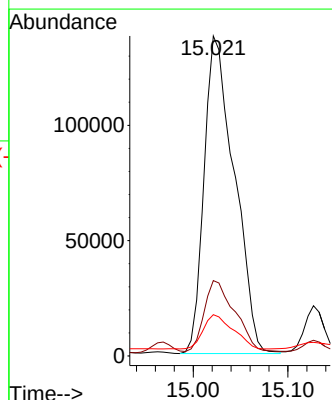
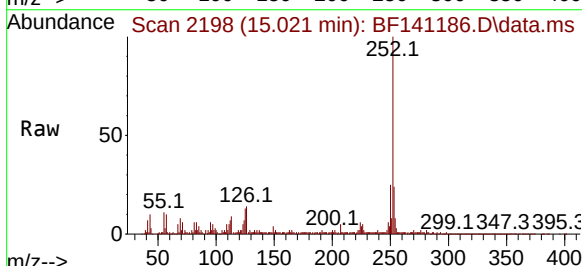
Tgt Ion:252 Resp: 305353

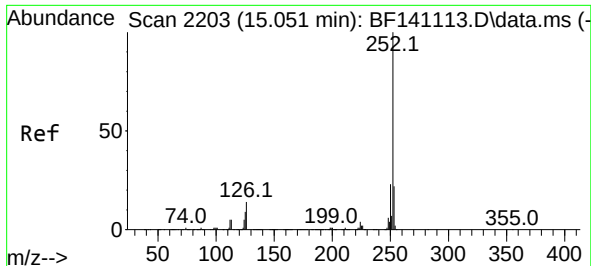
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 12.9 8.1 12.1#

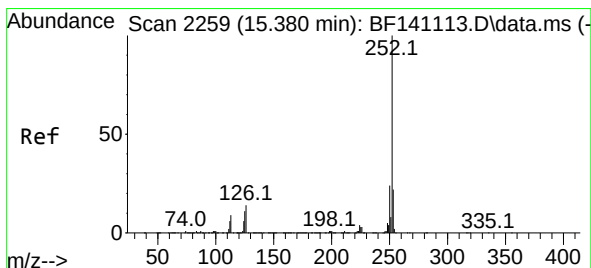
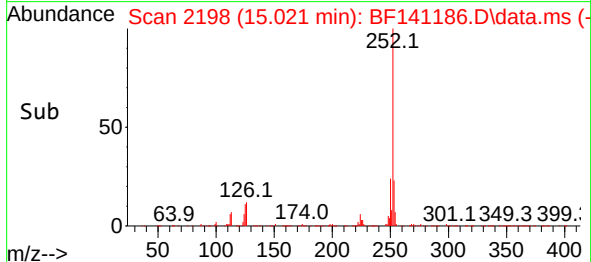
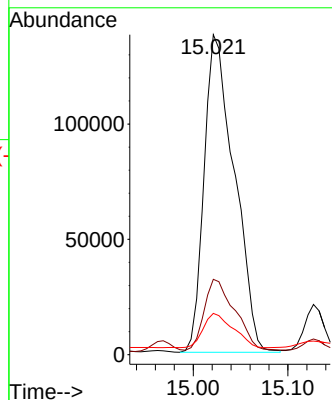
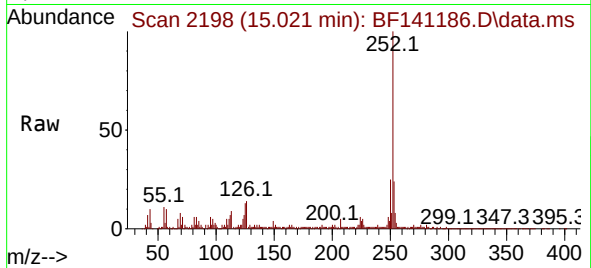




#89
Benzo(k)fluoranthene
Concen: 18.834 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.030 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

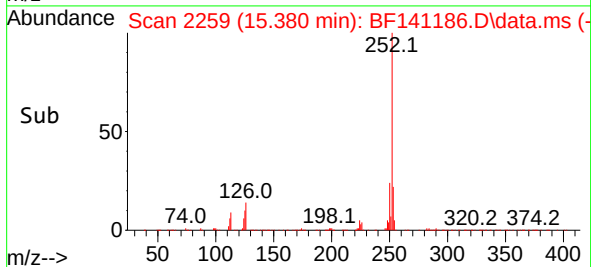
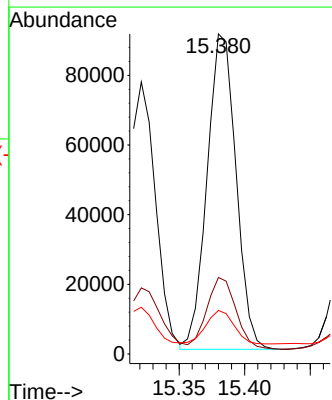
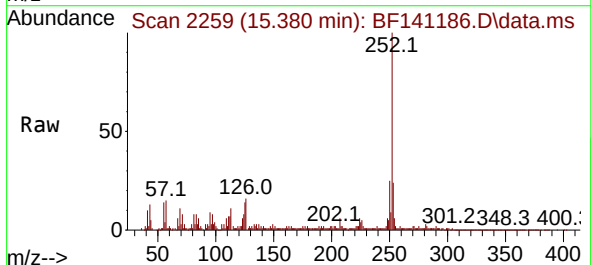
Instrument :
BNA_F
ClientSampleId :
72-11938

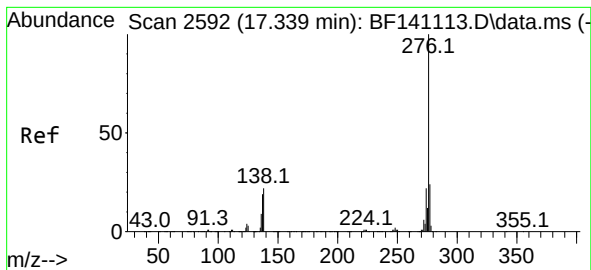
Tgt Ion:252 Resp: 305353
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 12.9 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 8.781 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:252 Resp: 138992
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 13.6 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 3.922 ng

RT: 17.327 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141186.D

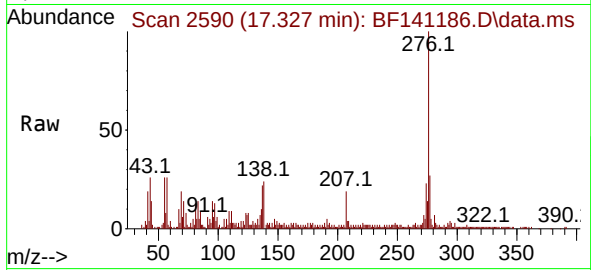
Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938



Tgt Ion:276 Resp: 71921

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 23.6 17.4 26.2

