

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)

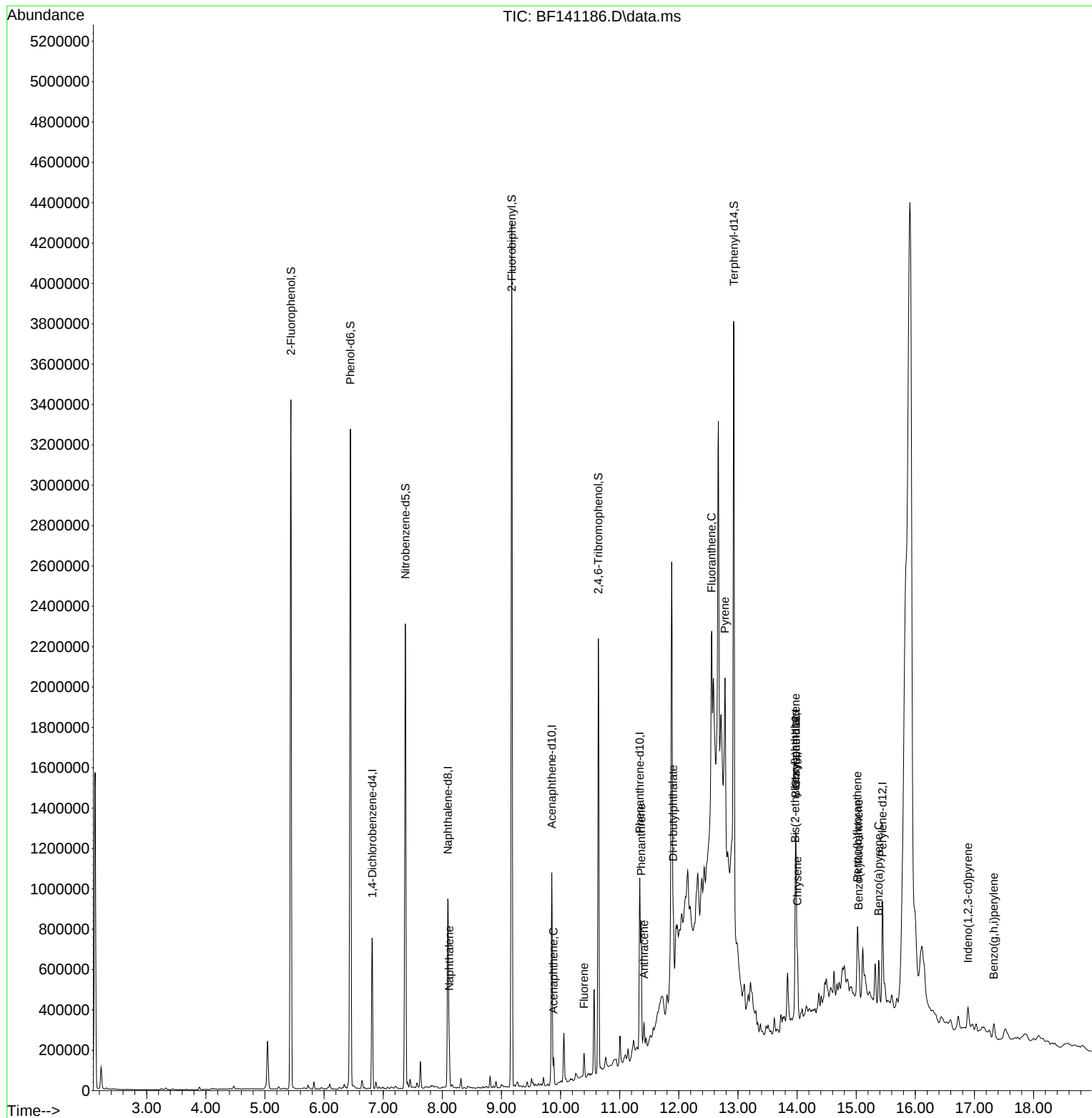
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	159982	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	613378	20.000	ng	-0.01
39) Acenaphthene-d10	9.851	164	307143	20.000	ng	-0.01
64) Phenanthrene-d10	11.339	188	417009	20.000	ng	0.00
76) Chrysene-d12	13.980	240	301102	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	8.116	128	140588	4.346	ng	99
52) Acenaphthene	9.880	154	41961	2.263	ng	98
58) Fluorene	10.398	166	46217	2.358	ng	99
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
87) Indeno(1,2,3-cd)pyrene	16.892	276	79217m	3.634	ng	
88) Benzo(b)fluoranthene	15.021	252	235789m	12.290	ng	
89) Benzo(k)fluoranthene	15.039	252	73548m	4.536	ng	
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

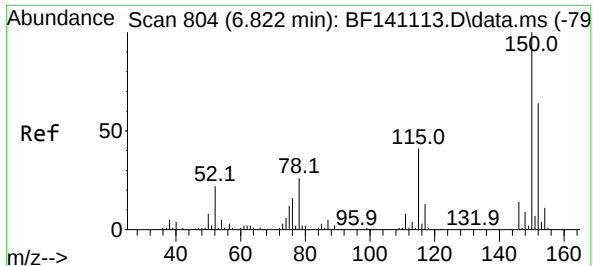
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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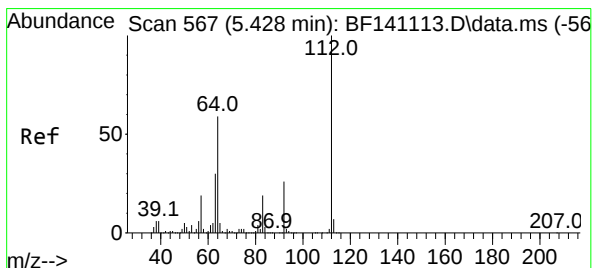
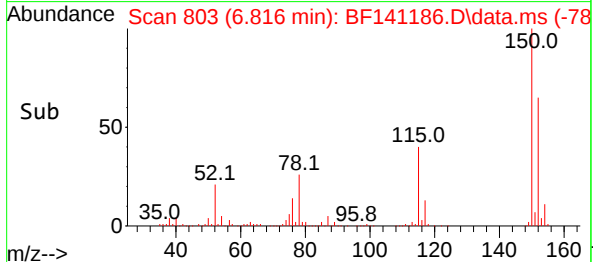
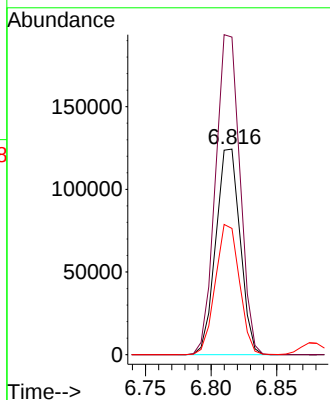
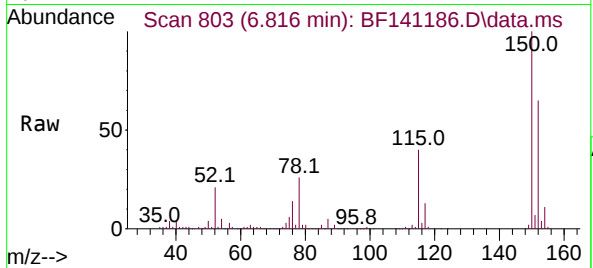




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

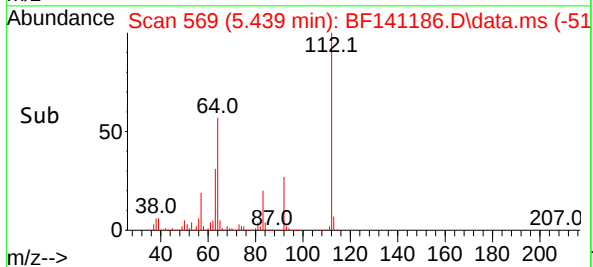
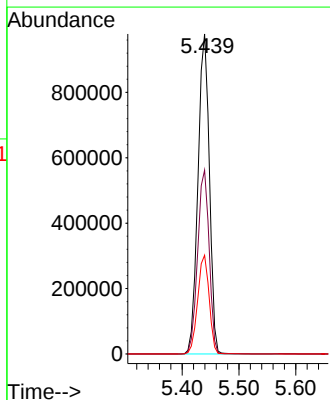
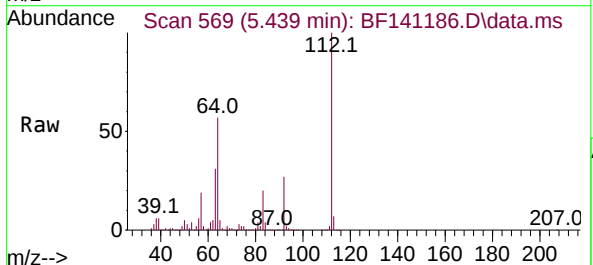
Instrument :
BNA_F
ClientSampleId :
72-11938

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

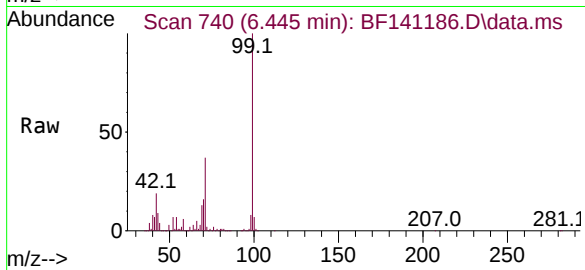
Tgt Ion:112 Resp: 1369151
Ion Ratio Lower Upper
112 100
64 57.4 47.3 70.9
63 30.8 24.2 36.2





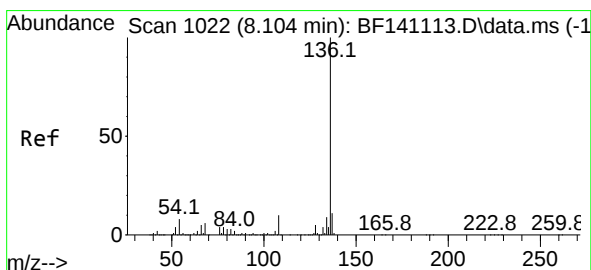
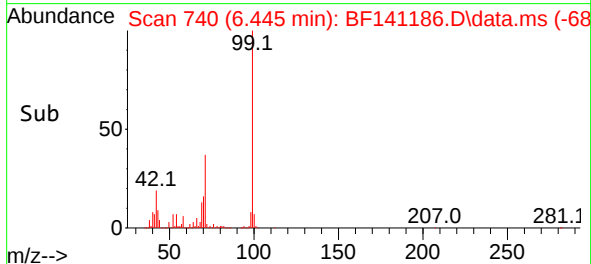
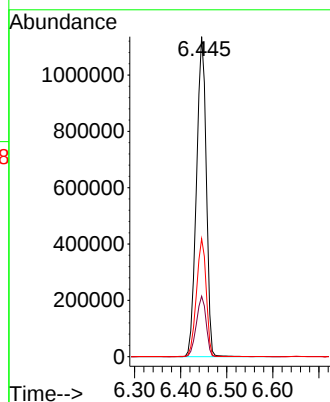
#7
Phenol-d6
Concen: 127.535 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion: 99 Resp: 1673035

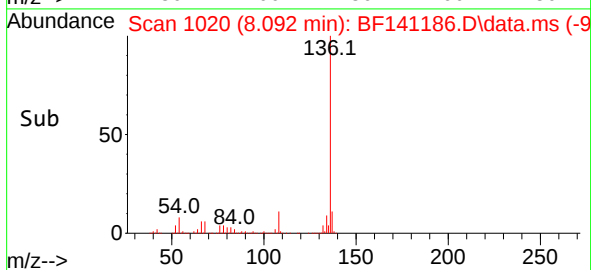
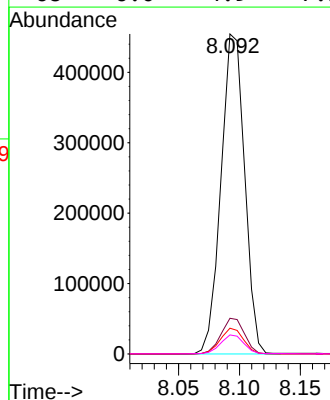
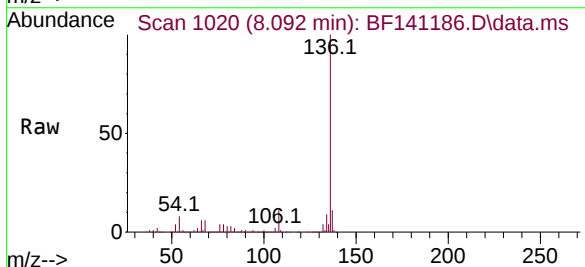
Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	36.8	27.6	41.4

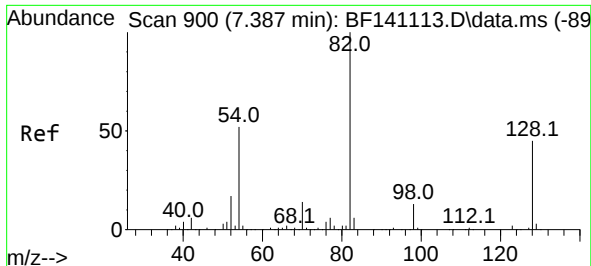


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

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

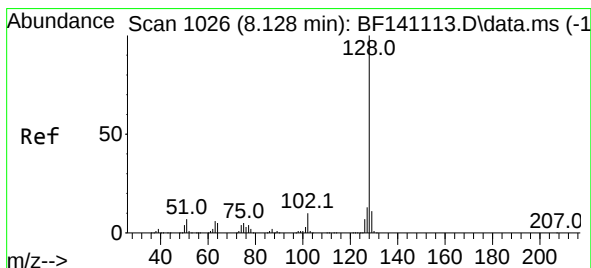
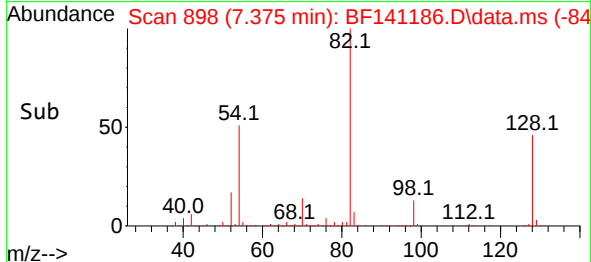
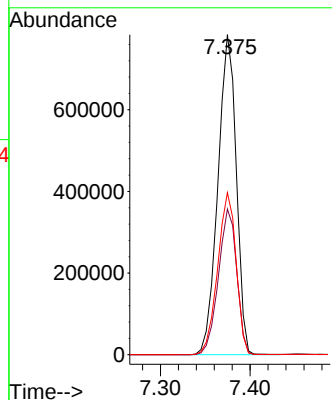
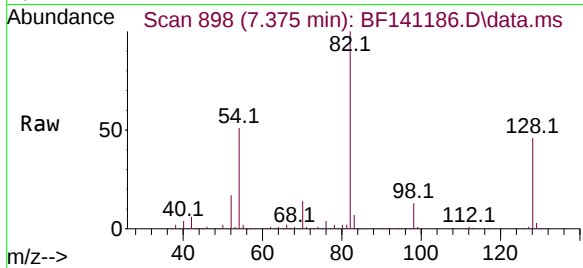




#23
Nitrobenzene-d5
Concen: 96.406 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

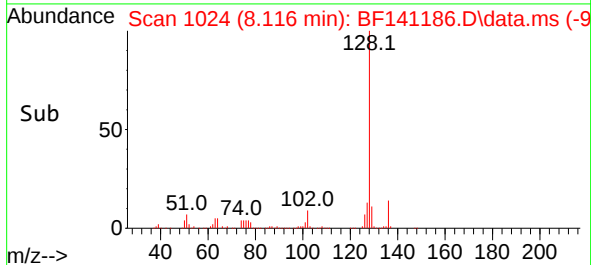
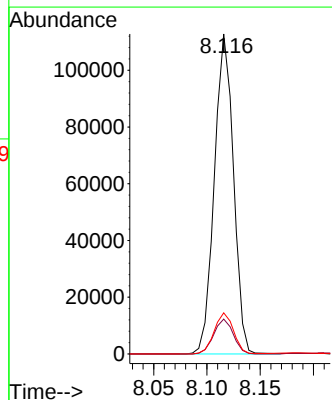
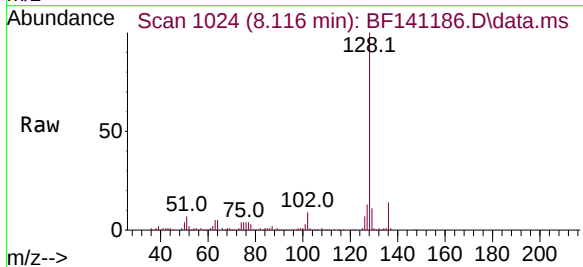
Instrument :
BNA_F
ClientSampleId :
72-11938

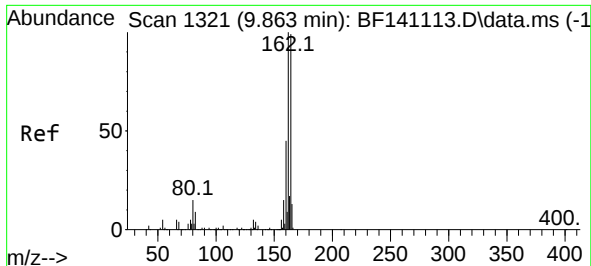
Tgt Ion: 82 Resp: 1115547
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 50.6 41.0 61.4



#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

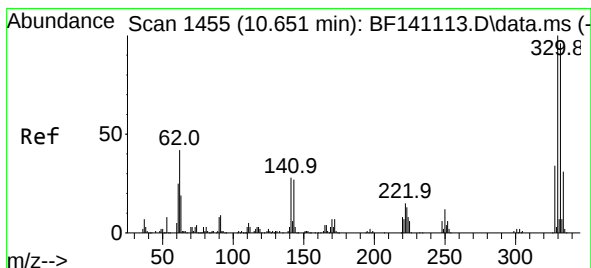
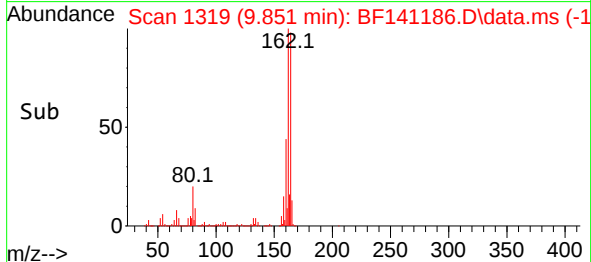
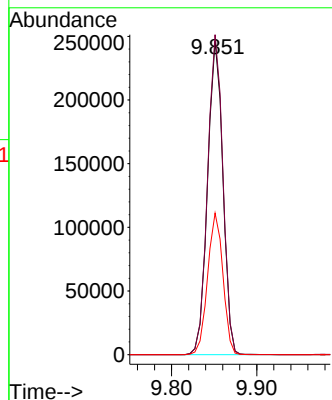
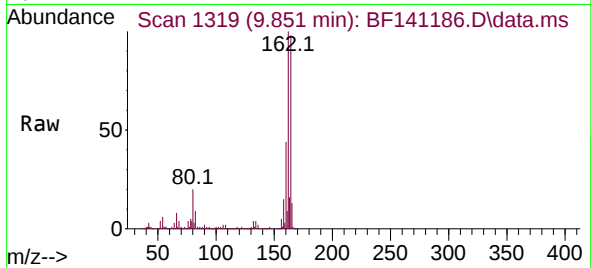




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

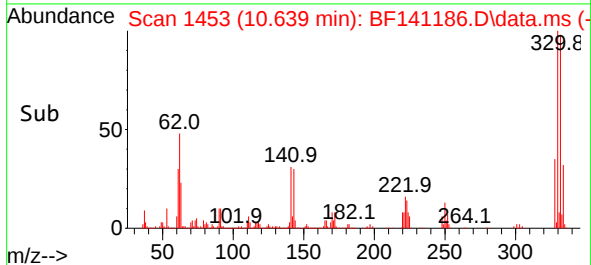
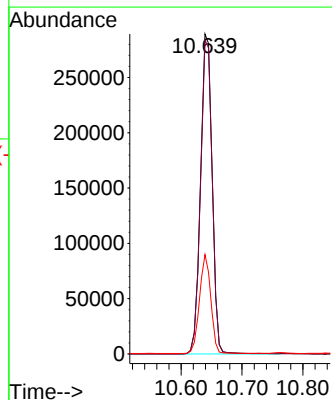
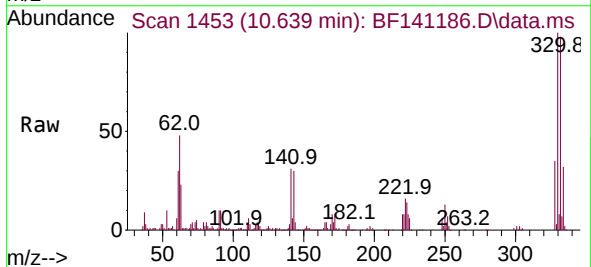
Instrument :
BNA_F
ClientSampleId :
72-11938

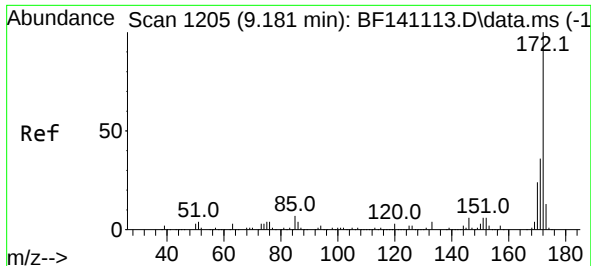
Tgt Ion:164 Resp: 307143
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.4
160 45.2 36.1 54.1



#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# 11

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

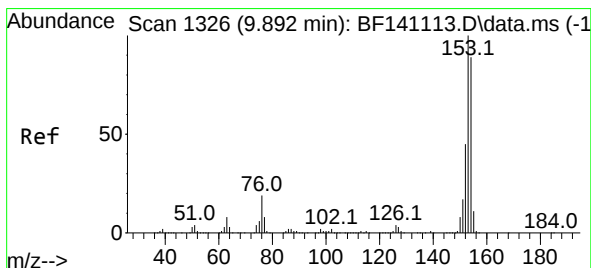
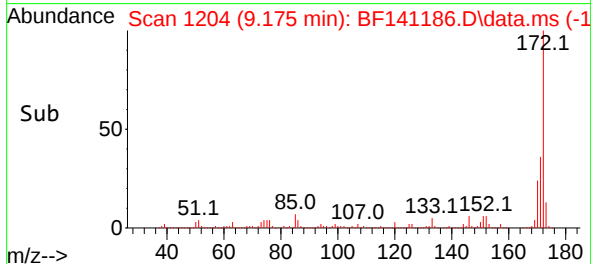
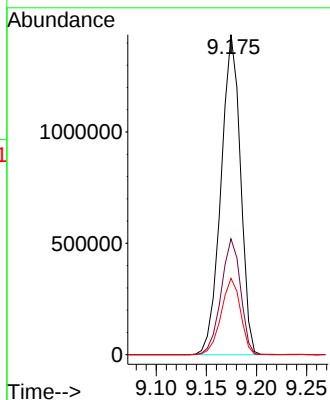
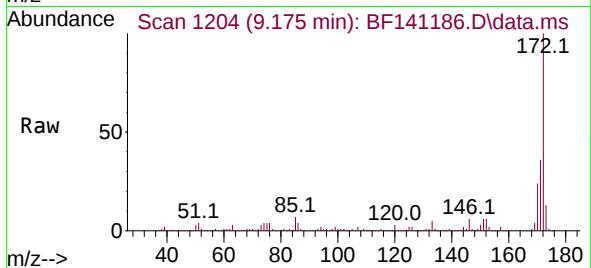
Tgt Ion:172 Resp: 1940322

Ion Ratio Lower Upper

172 100

171 36.2 28.7 43.1

170 23.8 19.0 28.6



#52

Acenaphthene

Concen: 2.263 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

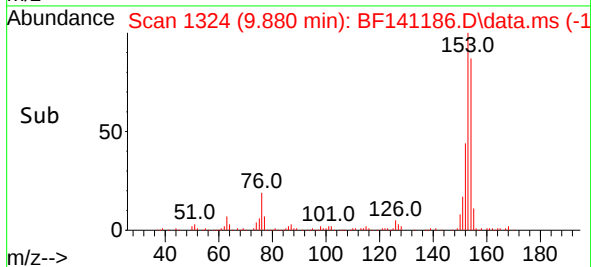
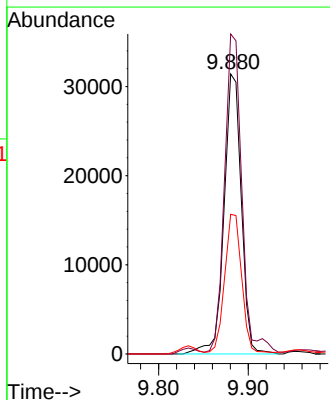
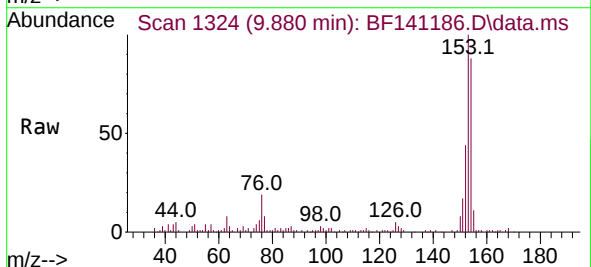
Tgt Ion:154 Resp: 41961

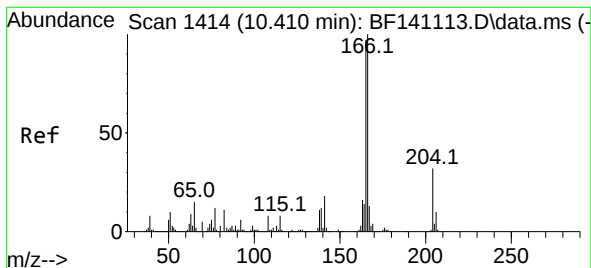
Ion Ratio Lower Upper

154 100

153 114.3 89.8 134.6

152 49.9 40.8 61.2





#58

Fluorene

Concen: 2.358 ng

RT: 10.398 min Scan# 1414

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

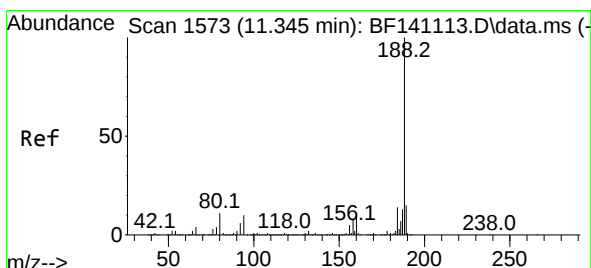
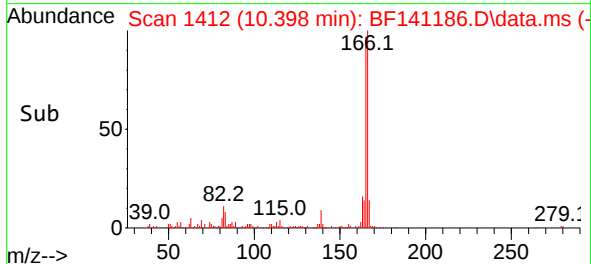
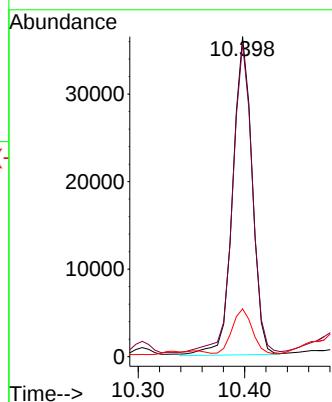
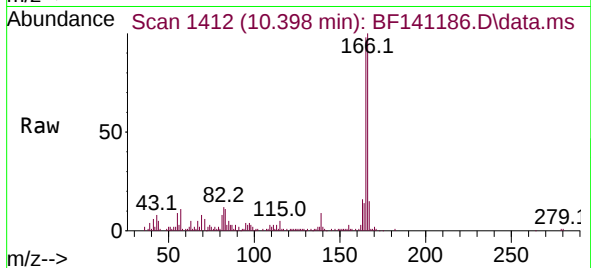
Tgt Ion:166 Resp: 46217

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.8

167 15.0 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

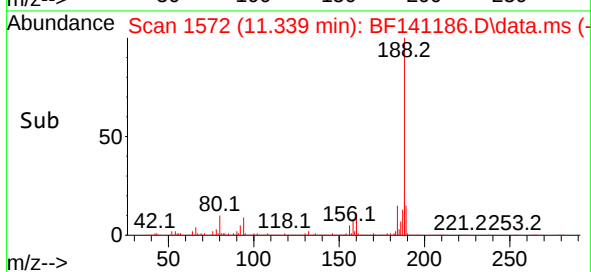
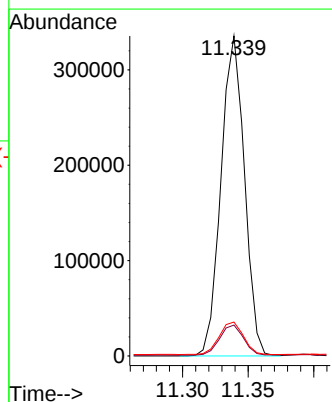
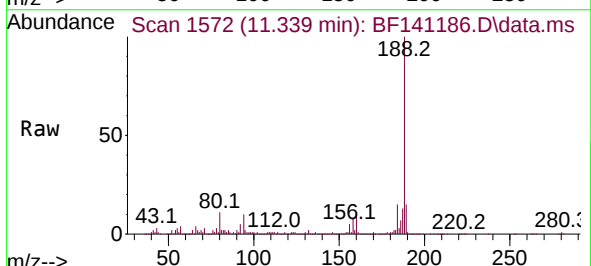
Tgt Ion:188 Resp: 417009

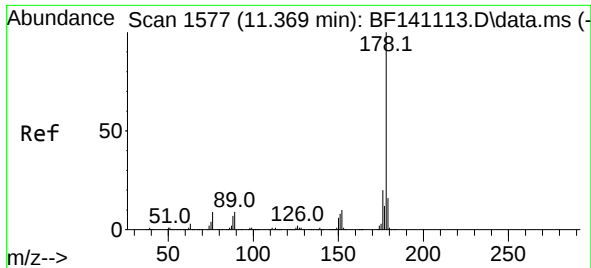
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.6 9.0 13.4

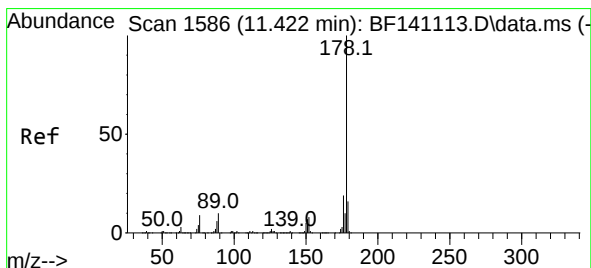
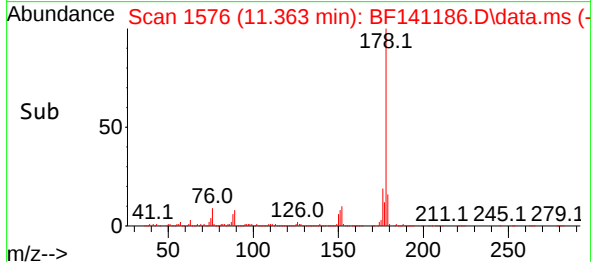
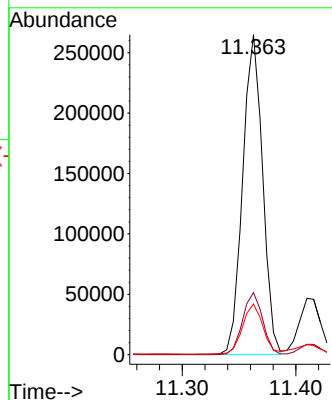
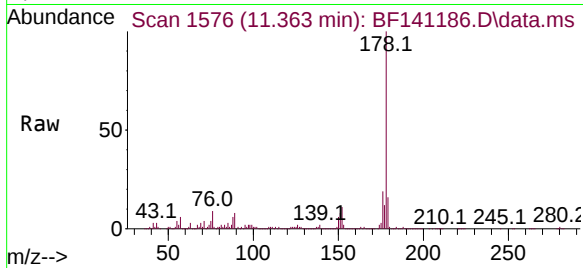




#71
Phenanthrene
Concen: 14.378 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

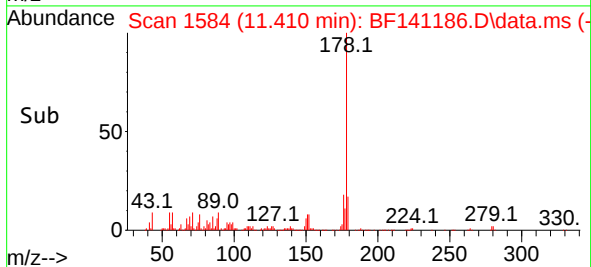
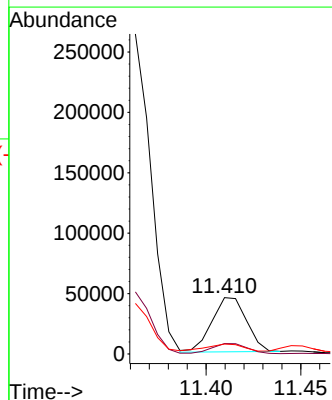
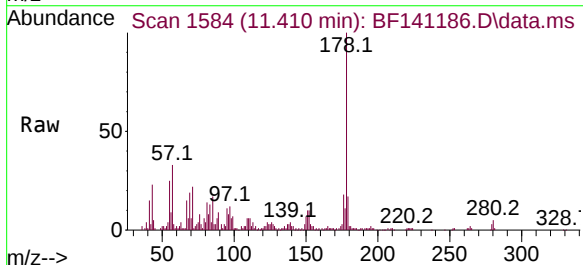
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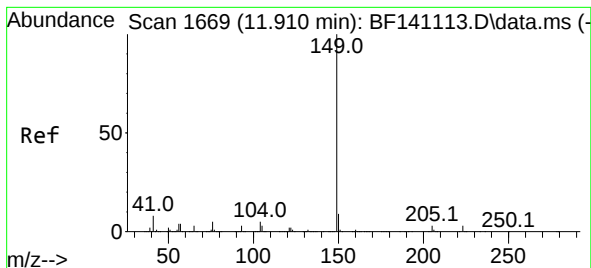
Tgt Ion:178 Resp: 321883
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.8 12.6 19.0



#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# 1

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

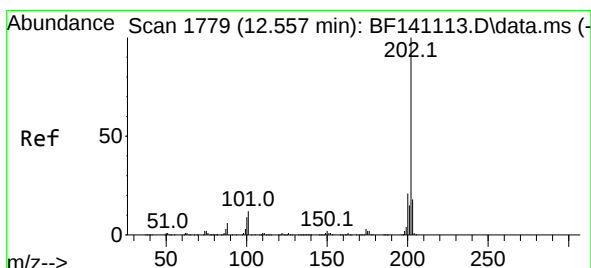
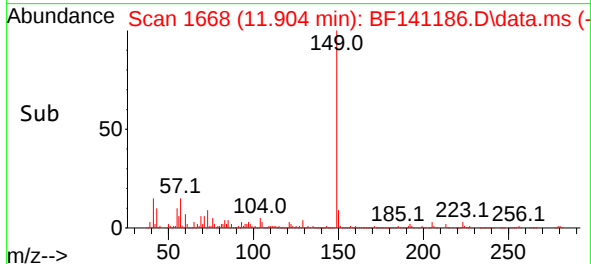
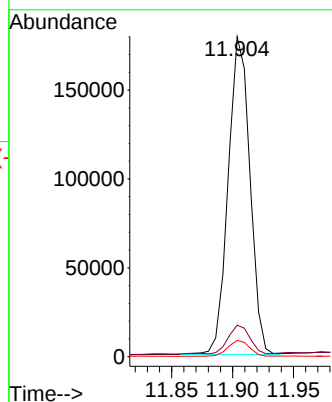
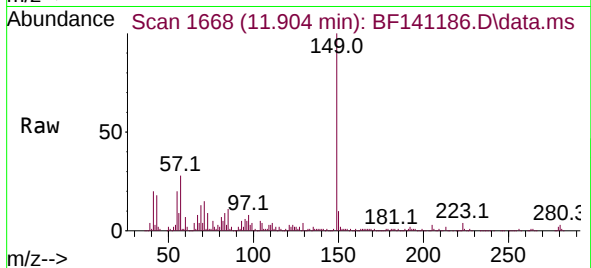
Tgt Ion:149 Resp: 221720

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

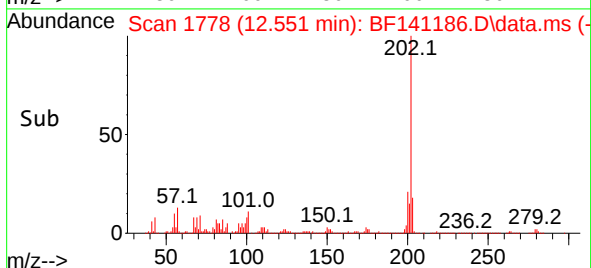
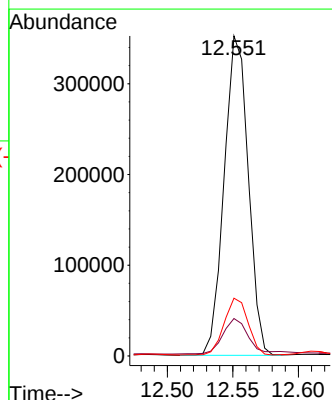
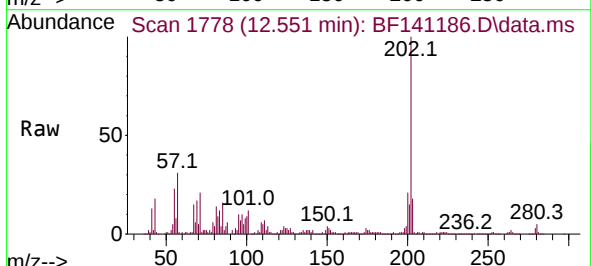
Tgt Ion:202 Resp: 449703

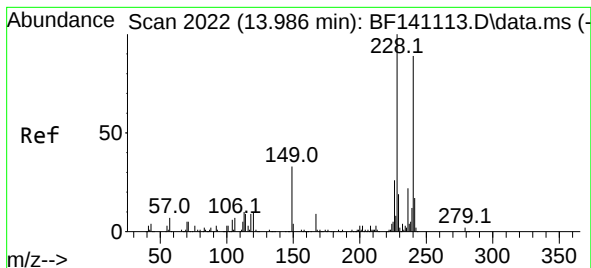
Ion Ratio Lower Upper

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

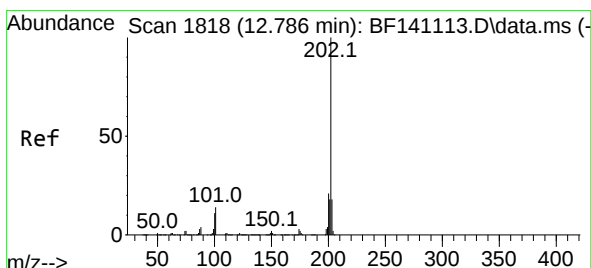
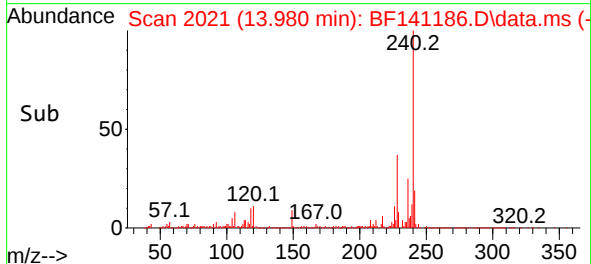
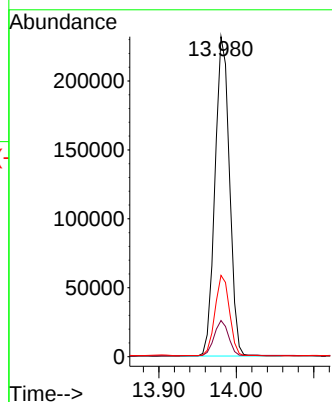
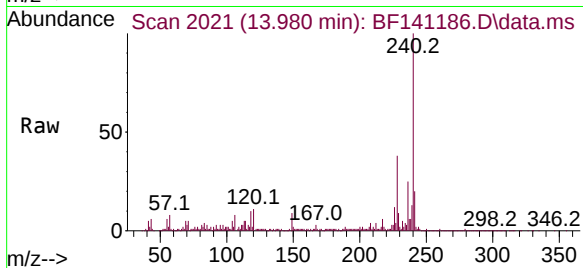
Tgt Ion:240 Resp: 301102

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

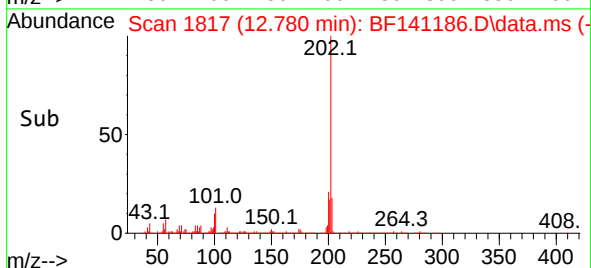
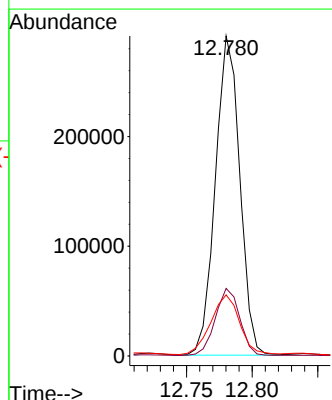
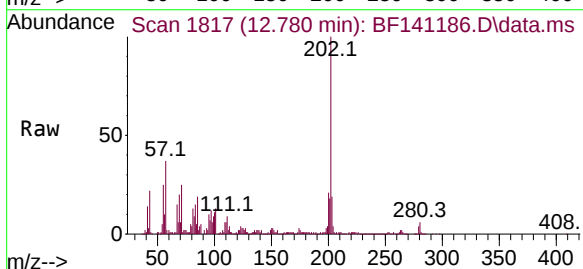
Tgt Ion:202 Resp: 375977

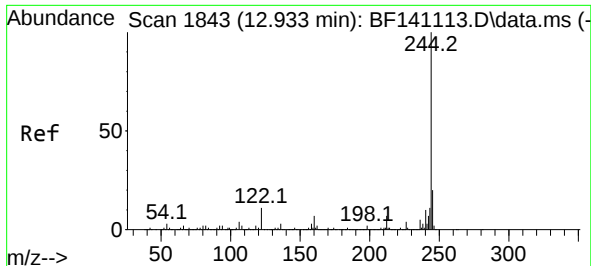
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 19.1 14.3 21.5

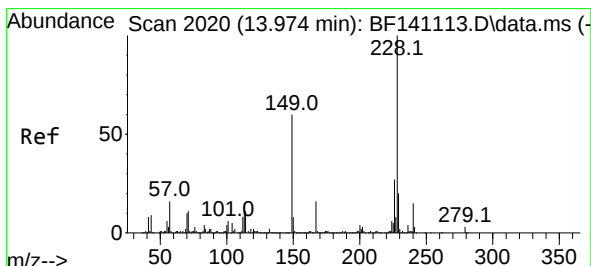
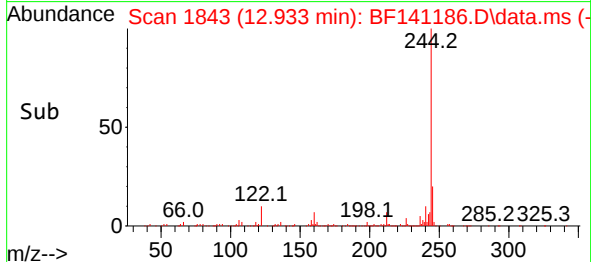
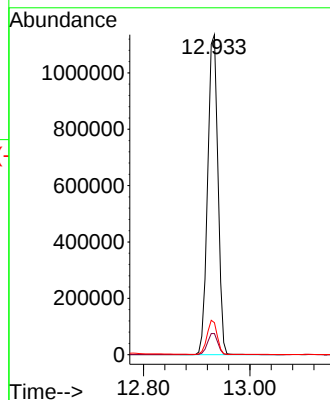
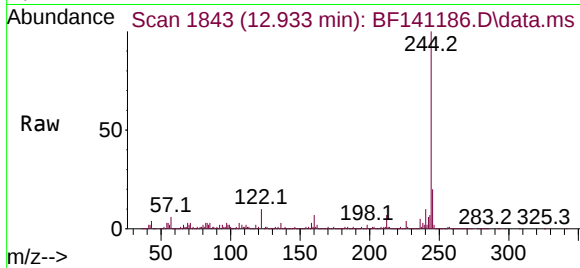




#79
 Terphenyl-d14
 Concen: 74.874 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.000 min
 Lab File: BF141186.D
 Acq: 16 Jan 2025 15:39

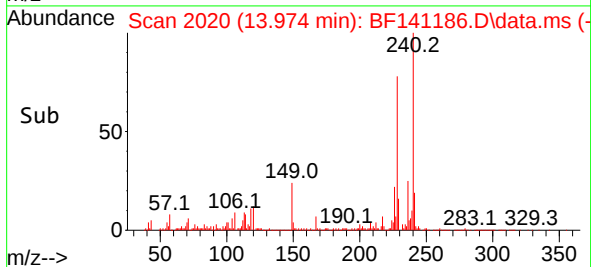
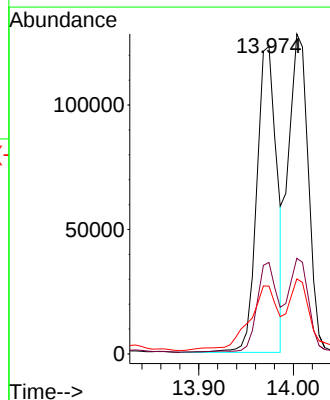
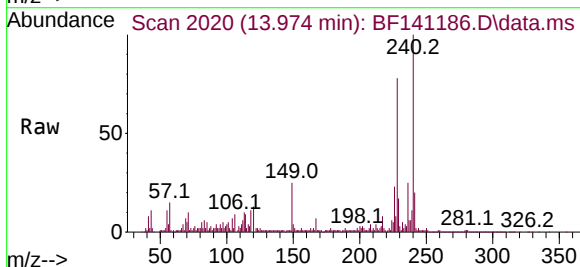
Instrument :
 BNA_F
 ClientSampleId :
 72-11938

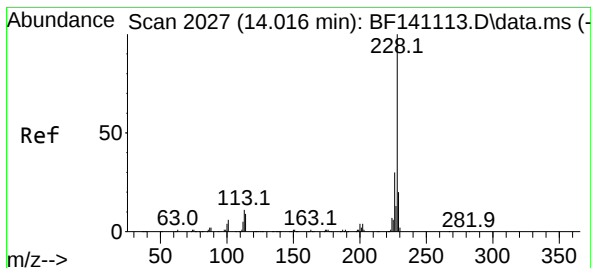
Tgt Ion:244 Resp: 1516833
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.0 8.8 13.2



#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

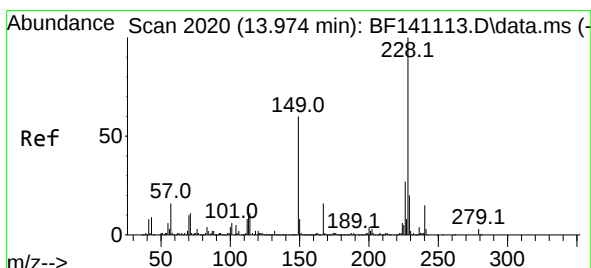
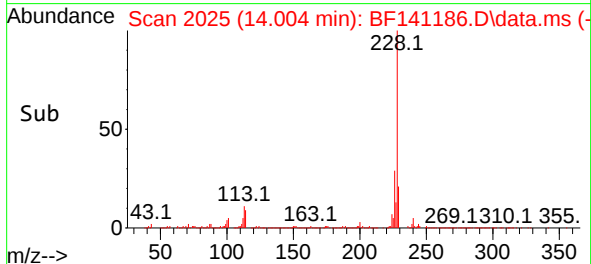
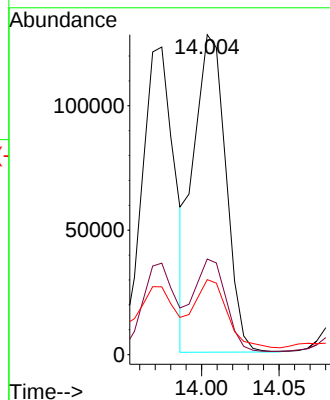
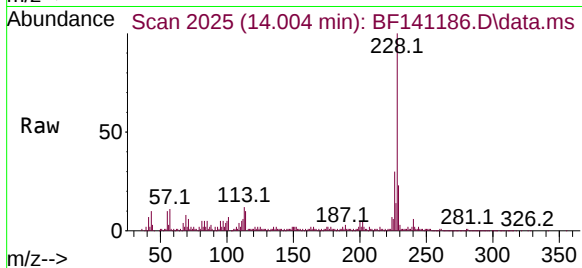
Tgt Ion:228 Resp: 184402

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

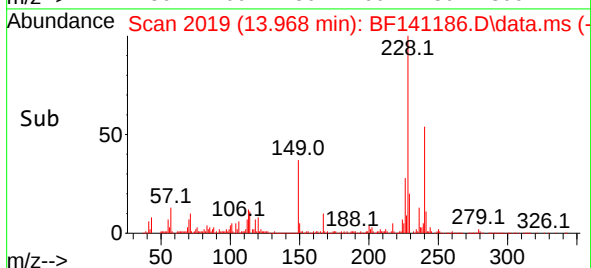
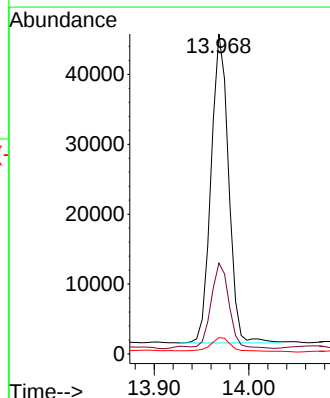
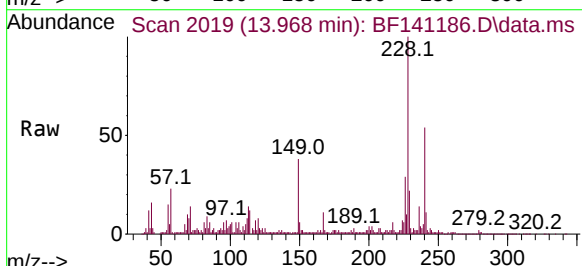
Tgt Ion:149 Resp: 56894

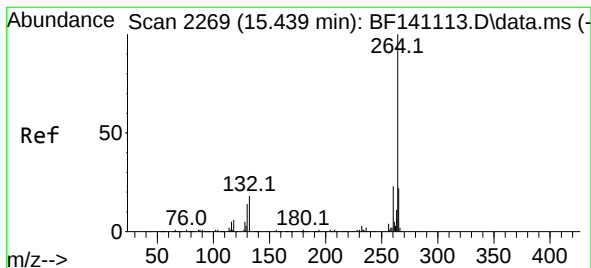
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

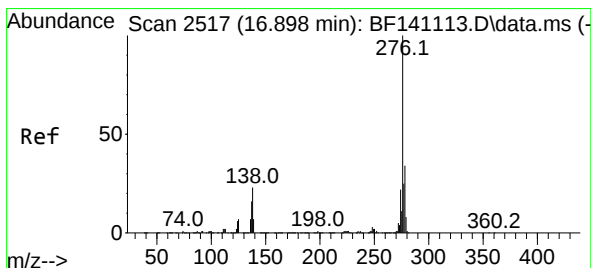
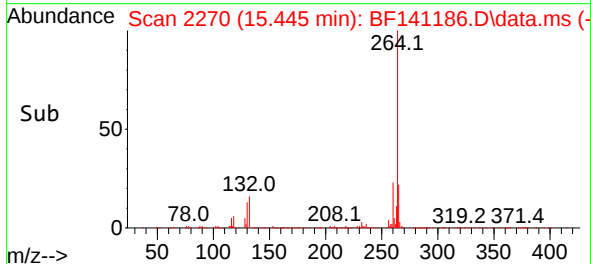
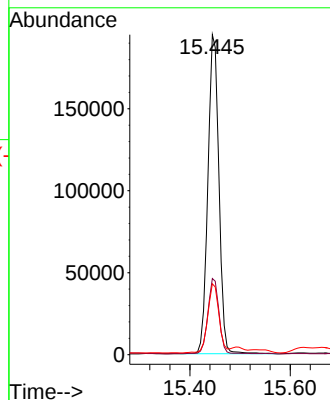
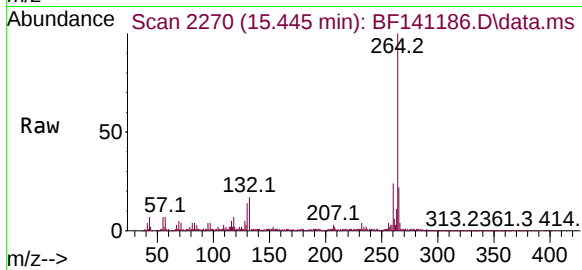
Tgt Ion:264 Resp: 297519

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.634 ng m

RT: 16.892 min Scan# 2516

Delta R.T. -0.006 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

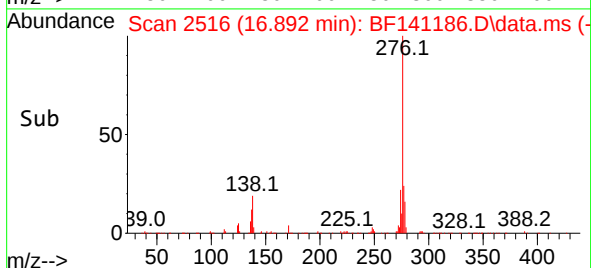
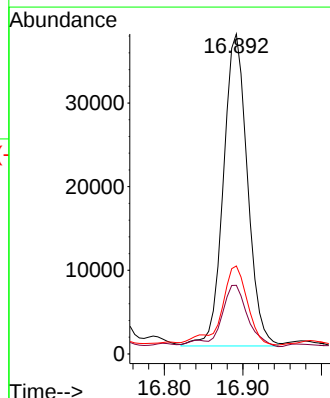
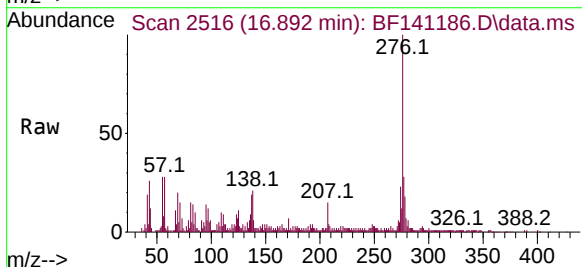
Tgt Ion:276 Resp: 79217

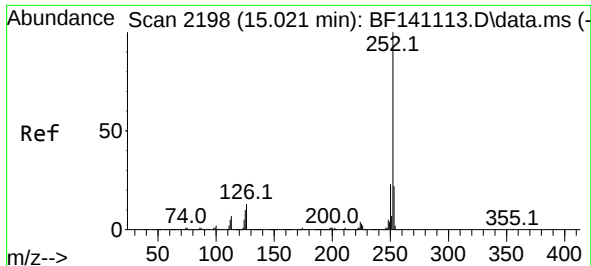
Ion Ratio Lower Upper

276 100

138 5.5 20.7 31.1#

277 5.6 20.6 30.8#

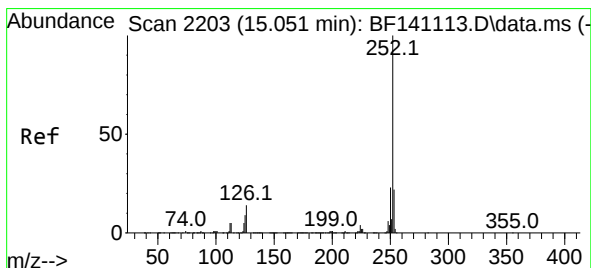
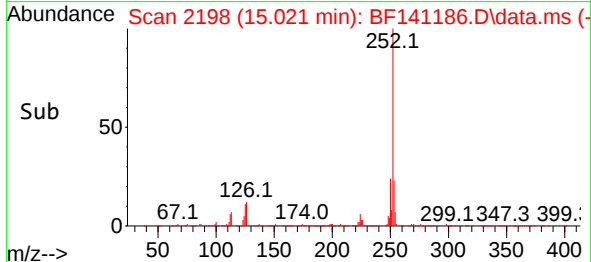
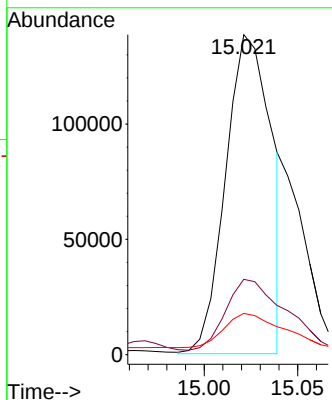
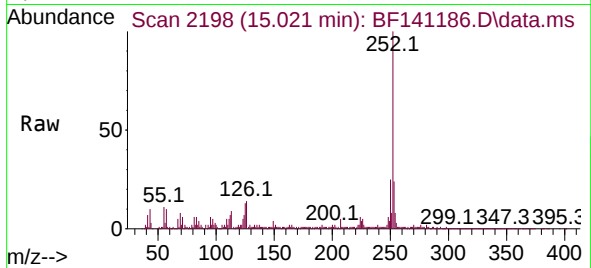




#88
Benzo(b)fluoranthene
Concen: 12.290 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

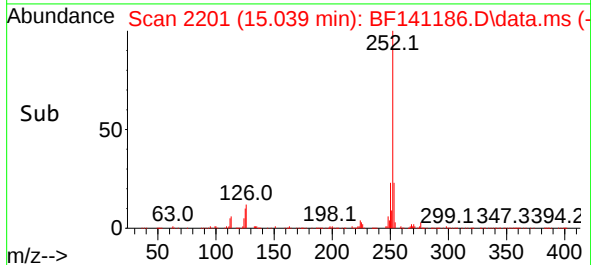
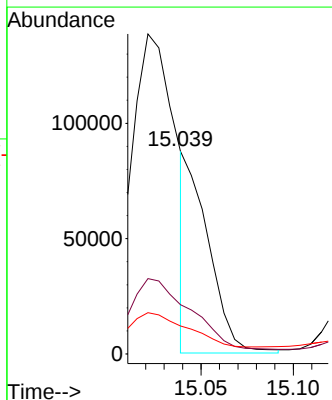
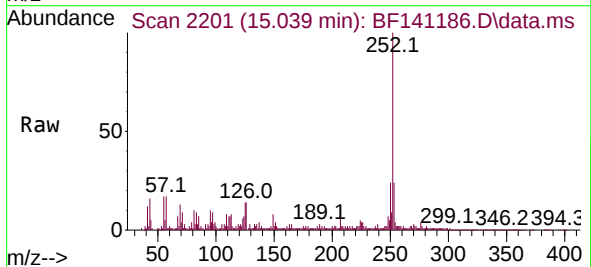
Instrument :
BNA_F
ClientSampleId :
72-11938

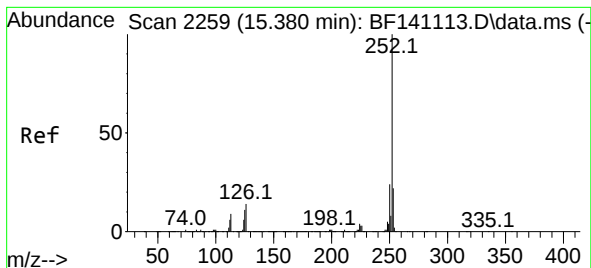
Tgt Ion:252 Resp: 235789
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.9 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 4.536 ng m
RT: 15.039 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF141186.D
Acq: 16 Jan 2025 15:39

Tgt Ion:252 Resp: 73548
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 13.8 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 8.781 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

72-11938

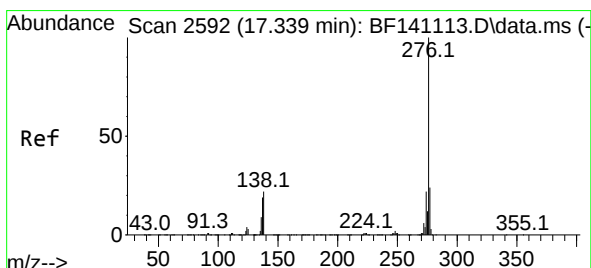
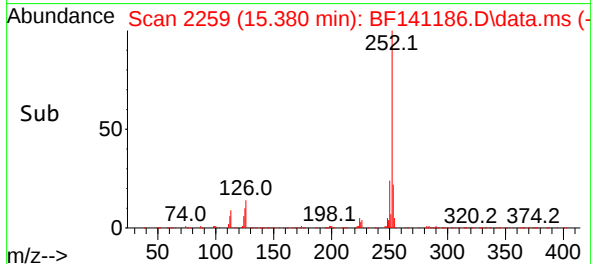
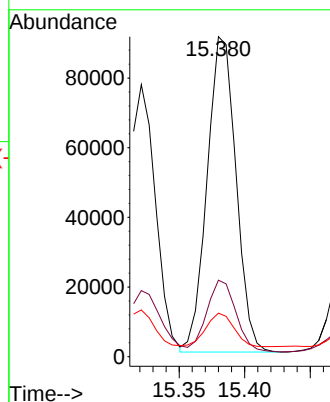
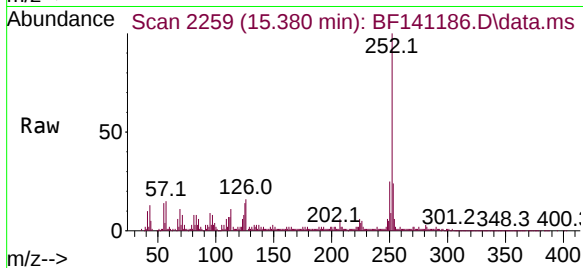
Tgt Ion:252 Resp: 138992

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# 2590

Delta R.T. -0.012 min

Lab File: BF141186.D

Acq: 16 Jan 2025 15:39

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

