

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141223.D
 Acq On : 20 Jan 2025 15:32
 Operator : RC/JU
 Sample : Q1134-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-1-011725

Quant Time: Jan 20 16:03:44 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)

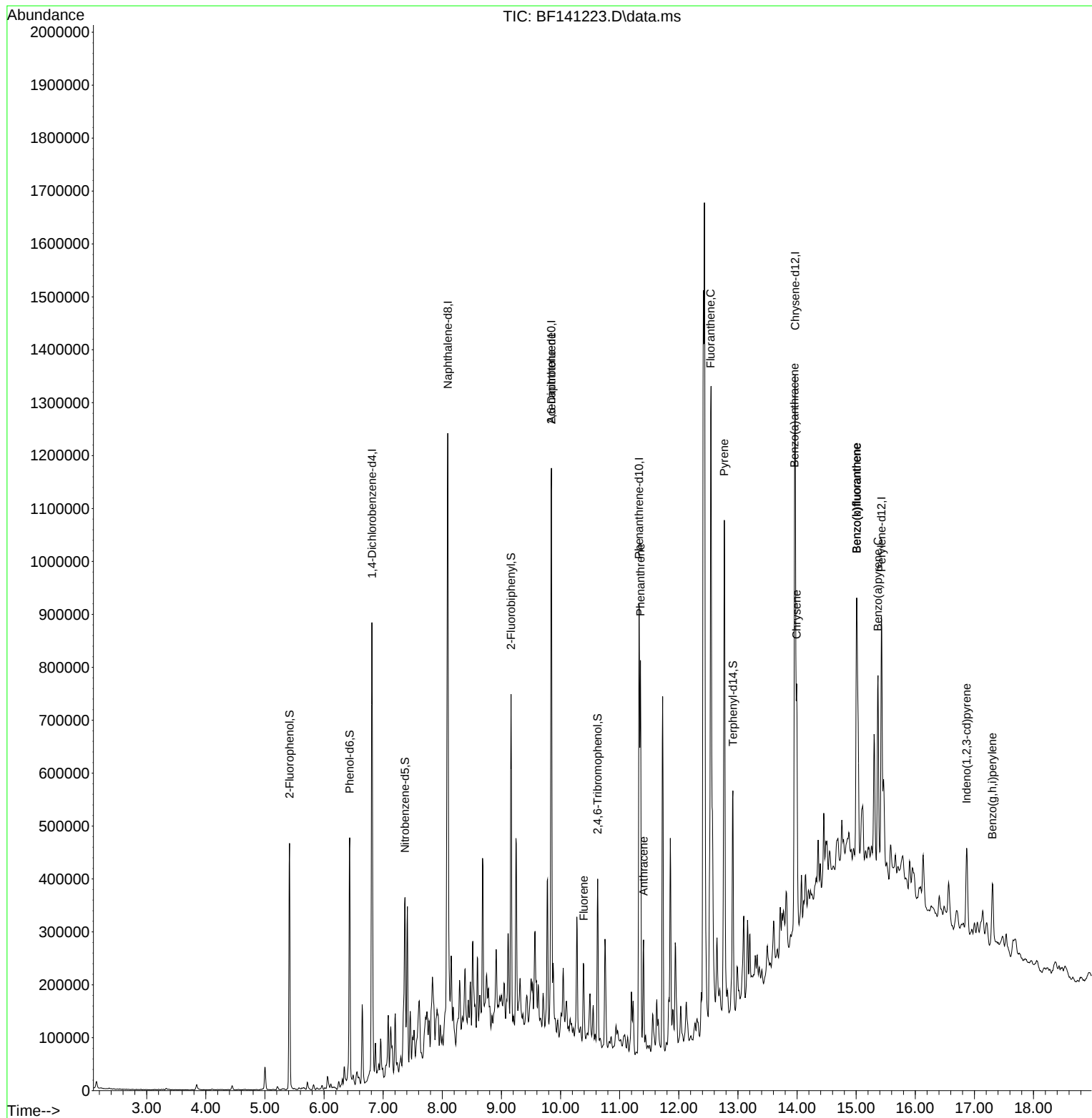
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	176141	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	654737	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	312879	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	424926	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	330728	20.000	ng	-0.02
86) Perylene-d12	15.427	264	284129	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	180444	15.825	ng	-0.01
7) Phenol-d6	6.434	99	221391	15.328	ng	-0.01
23) Nitrobenzene-d5	7.369	82	138313	11.198	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	48505	13.606	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	266849	13.024	ng	-0.02
79) Terphenyl-d14	12.916	244	200200	8.997	ng	-0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.845	165	42342	8.669	ng	# 27
58) Fluorene	10.392	166	54855	2.748	ng	96
71) Phenanthrene	11.351	178	381250	16.712	ng	99
72) Anthracene	11.404	178	118249	5.331	ng	99
75) Fluoranthene	12.539	202	603223	26.498	ng	99
78) Pyrene	12.769	202	519596	16.449	ng	98
81) Benzo(a)anthracene	13.957	228	311045	13.819	ng	95
83) Chrysene	13.992	228	250788	11.908	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	121476	5.836	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	433104	23.639	ng	96
89) Benzo(k)fluoranthene	15.010	252	433104	27.972	ng	# 96
90) Benzo(a)pyrene	15.368	252	222668	14.730	ng	98
92) Benzo(g,h,i)perylene	17.304	276	110797	6.327	ng	98

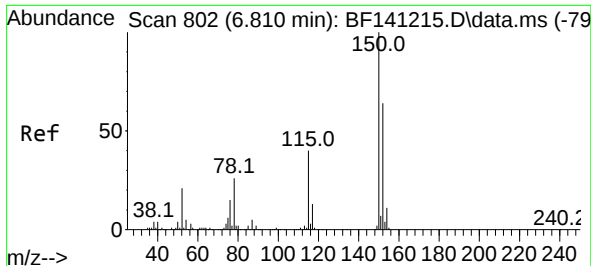
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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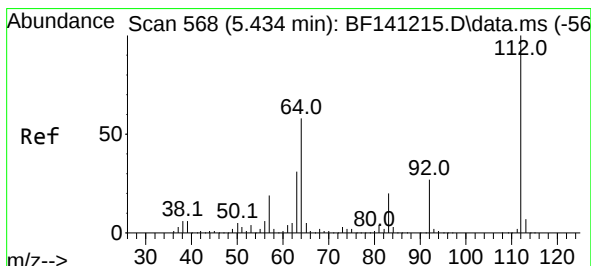
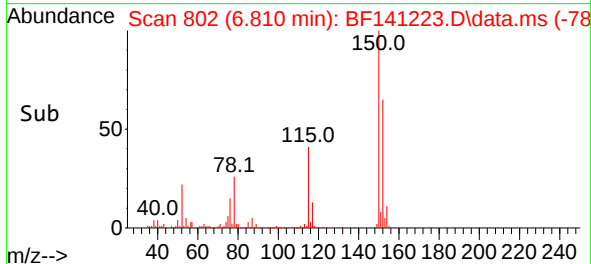
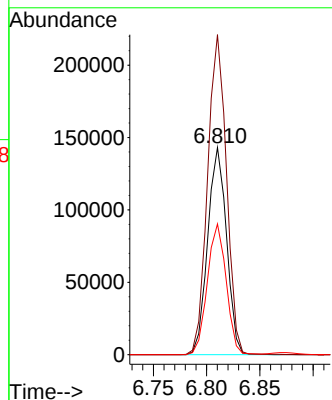
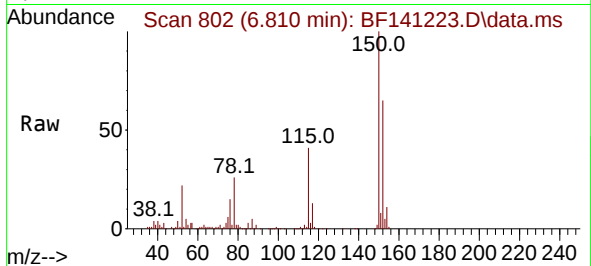




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

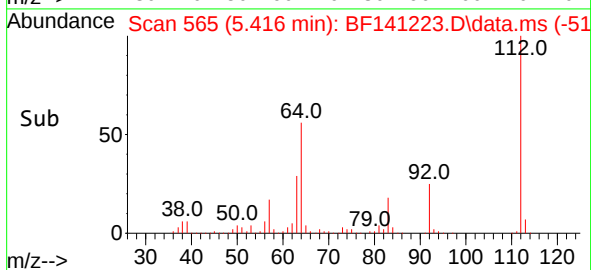
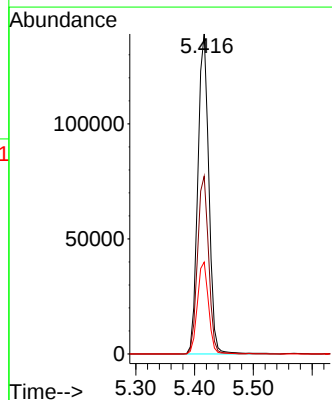
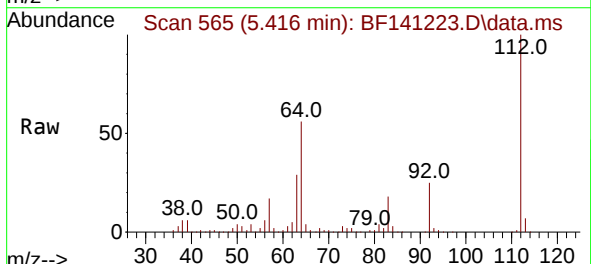
Instrument :
BNA_F
ClientSampleId :
EO-1-011725

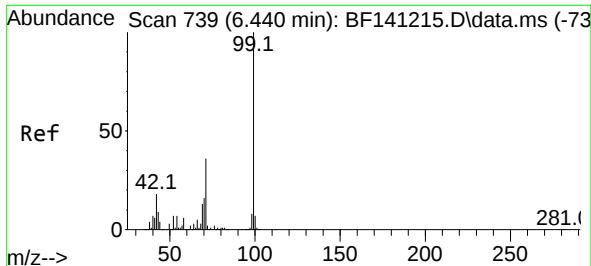
Tgt Ion:152 Resp: 176141
Ion Ratio Lower Upper
152 100
150 154.4 125.8 188.8
115 63.1 51.4 77.2



#5
2-Fluorophenol
Concen: 15.825 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:112 Resp: 180444
Ion Ratio Lower Upper
112 100
64 55.5 47.3 70.9
63 28.7 24.2 36.2

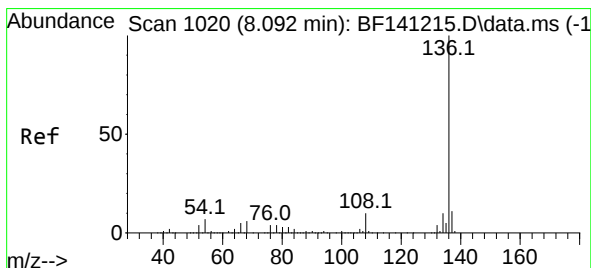
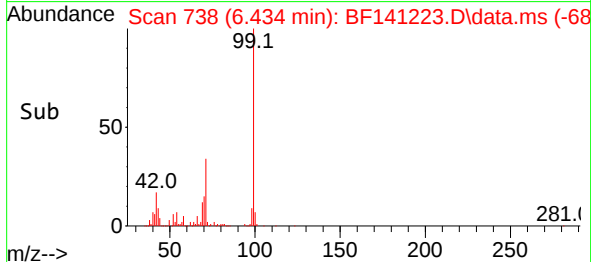
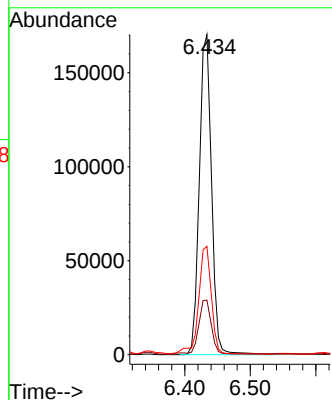
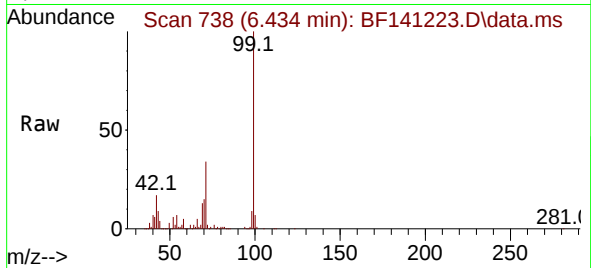




#7
Phenol-d6
Concen: 15.328 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

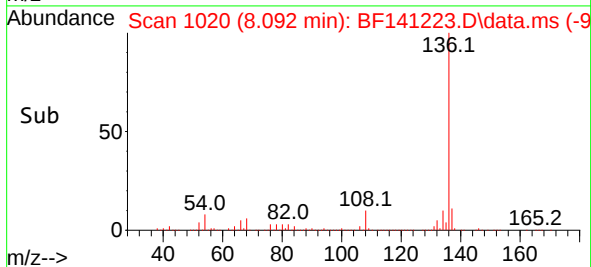
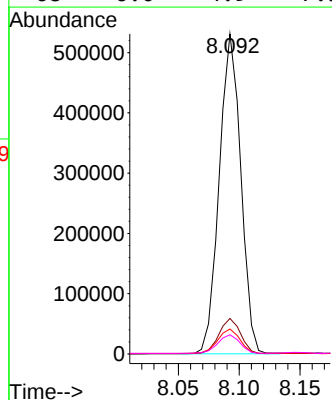
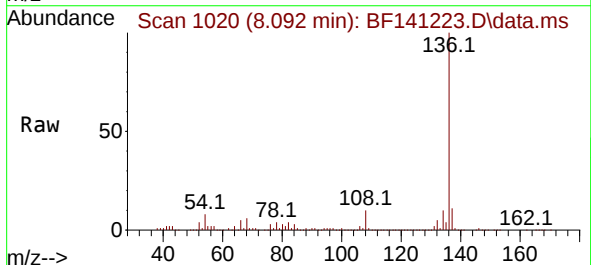
Instrument :
BNA_F
ClientSampleId :
EO-1-011725

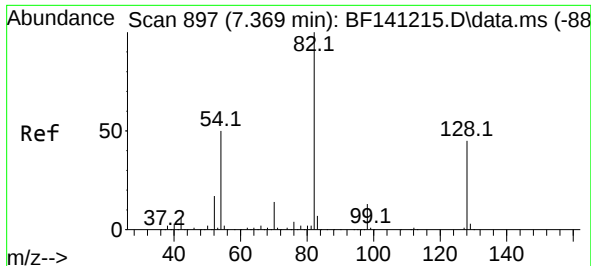
Tgt Ion: 99 Resp: 221391
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.4
71 33.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion: 136 Resp: 654737
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.8 6.3 9.5
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 11.198 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

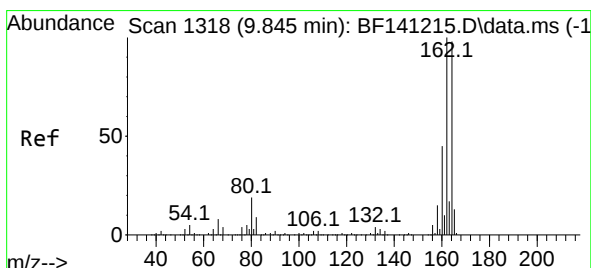
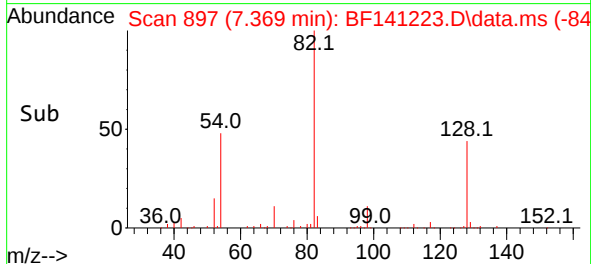
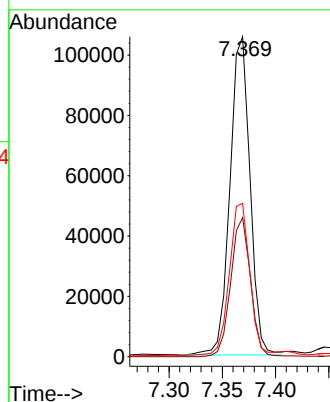
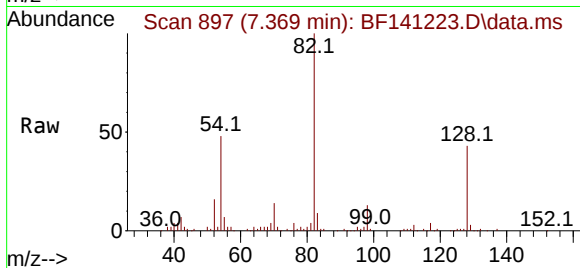
BNA_F

ClientSampleId :

EO-1-011725

Tgt Ion: 82 Resp: 138313

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	47.9	41.0	61.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1318

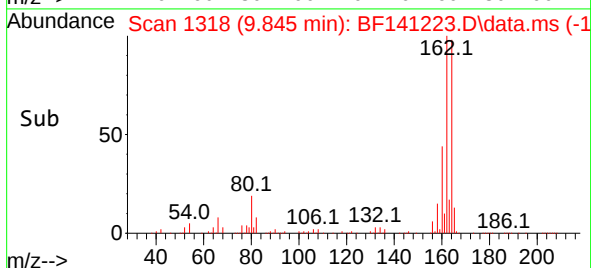
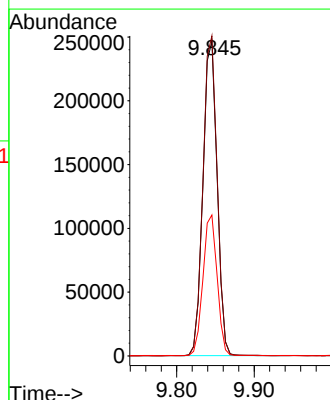
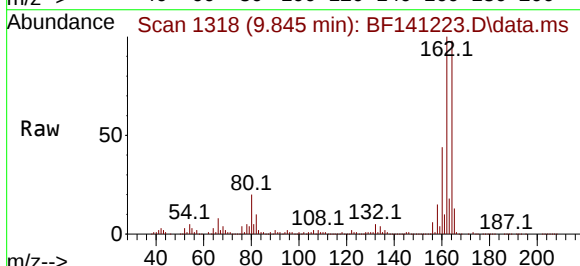
Delta R.T. -0.018 min

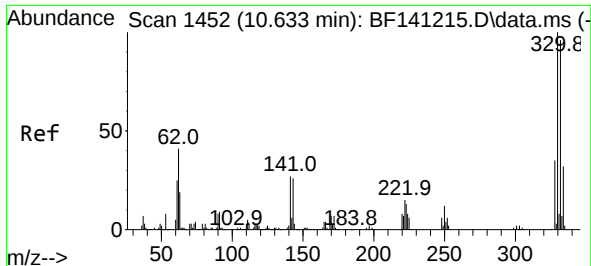
Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Tgt Ion: 164 Resp: 312879

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.4
160	44.8	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 13.606 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.023 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

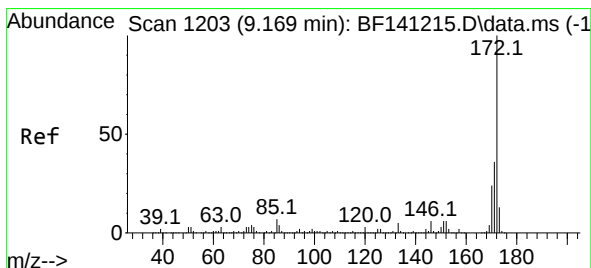
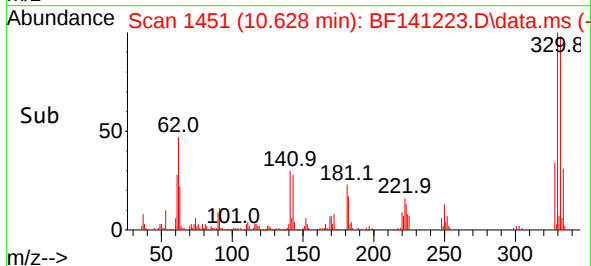
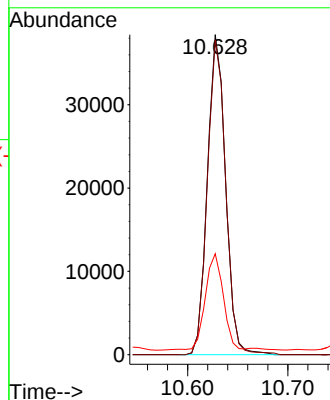
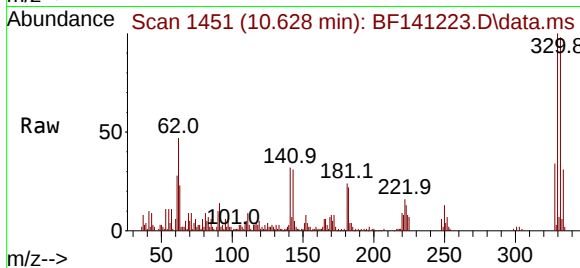
Tgt Ion:330 Resp: 48505

Ion Ratio Lower Upper

330 100

332 99.0 76.9 115.3

141 30.0 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 13.024 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

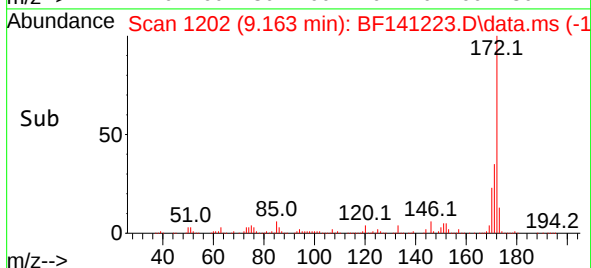
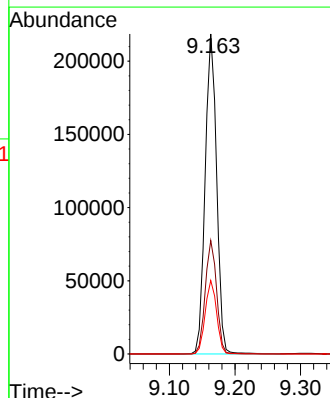
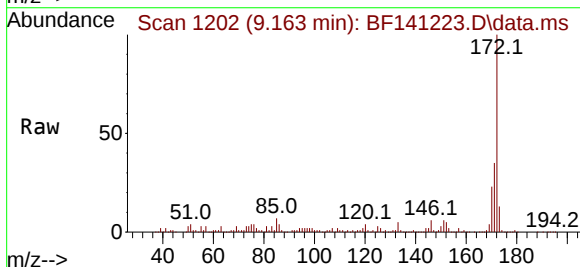
Tgt Ion:172 Resp: 266849

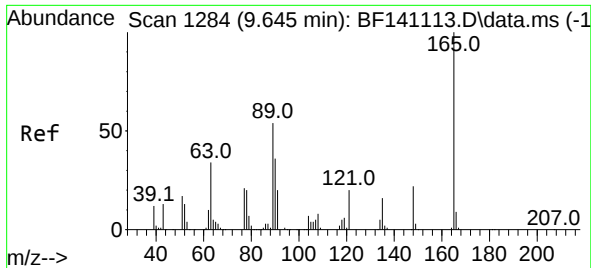
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 22.9 19.0 28.6

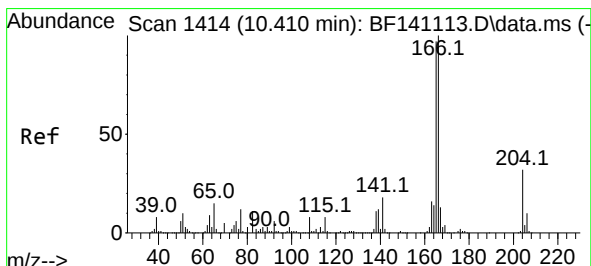
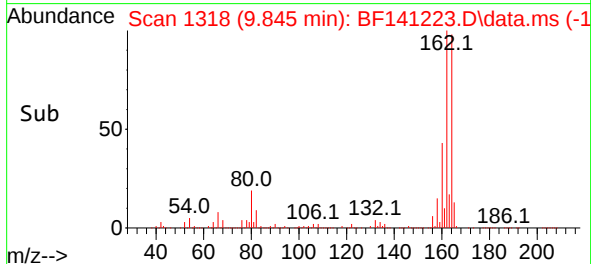
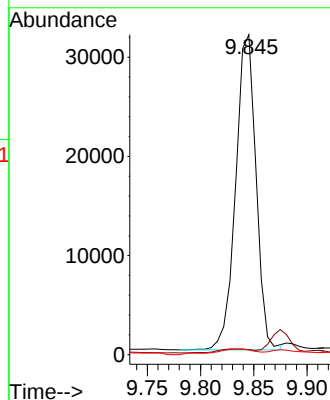
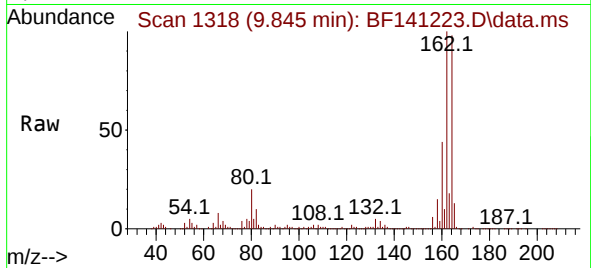




#51
2,6-Dinitrotoluene
Concen: 8.669 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

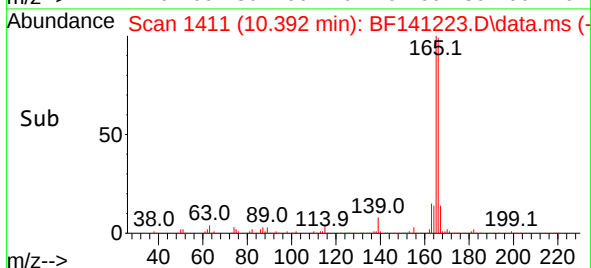
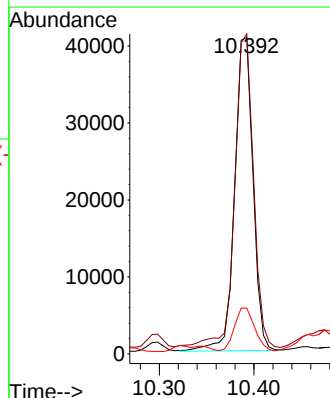
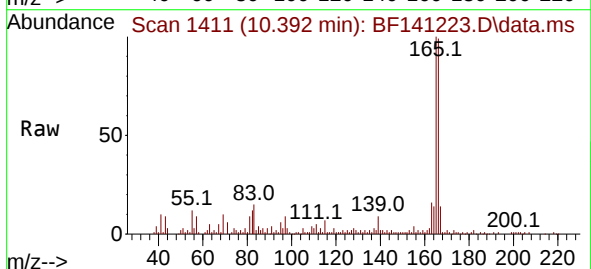
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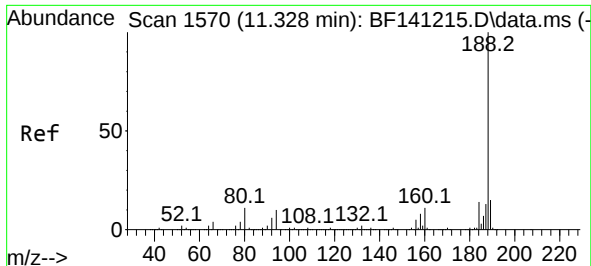
Tgt Ion:165 Resp: 42342
Ion Ratio Lower Upper
165 100
63 1.6 42.3 63.5#
89 1.5 43.1 64.7#



#58
Fluorene
Concen: 2.748 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:166 Resp: 54855
Ion Ratio Lower Upper
166 100
165 101.1 77.8 116.8
167 14.5 10.8 16.2

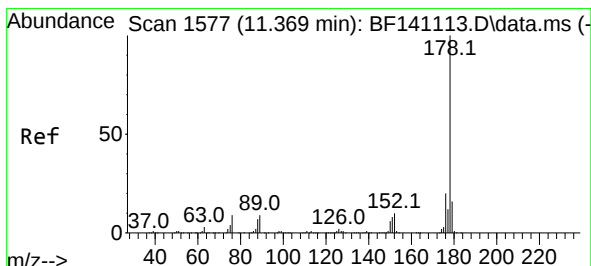
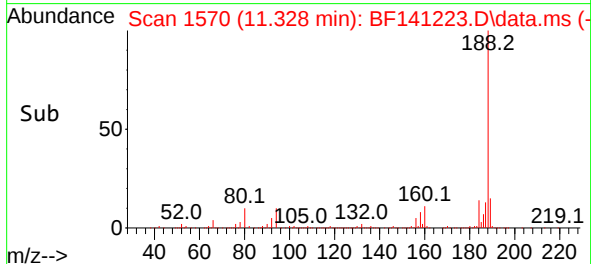
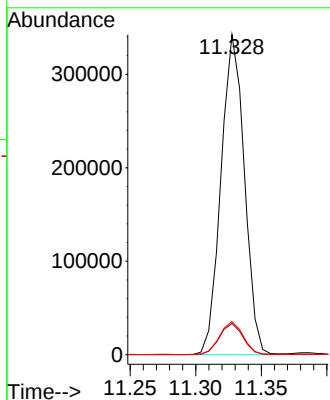
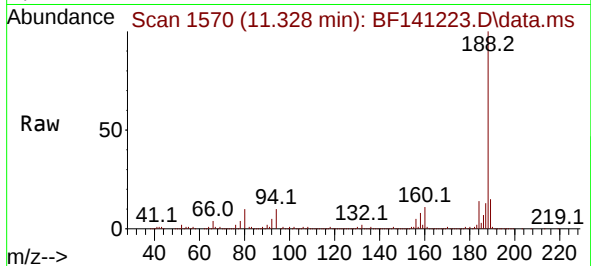




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

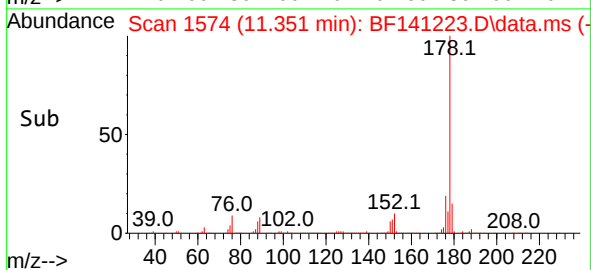
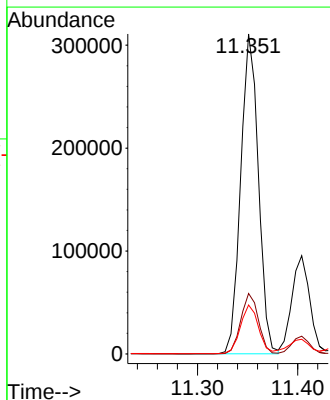
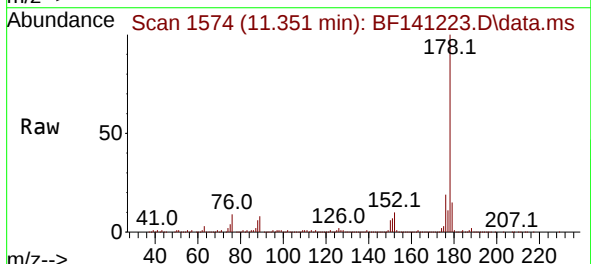
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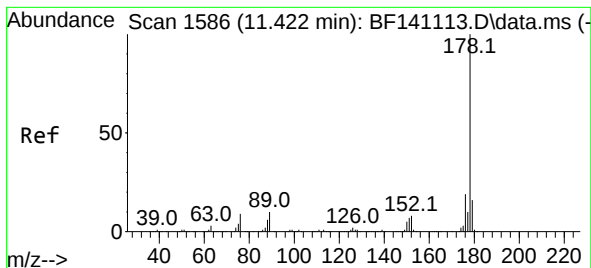
Tgt Ion:188 Resp: 424926
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.3 9.0 13.4



#71
Phenanthrene
Concen: 16.712 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:178 Resp: 381250
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.3 12.6 19.0





#72

Anthracene

Concen: 5.331 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

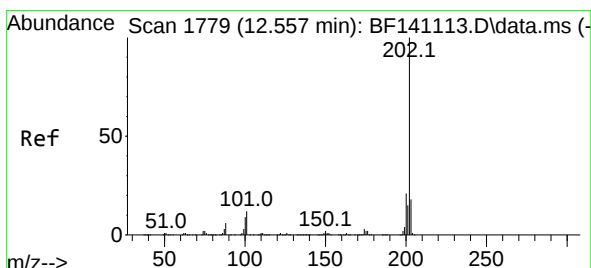
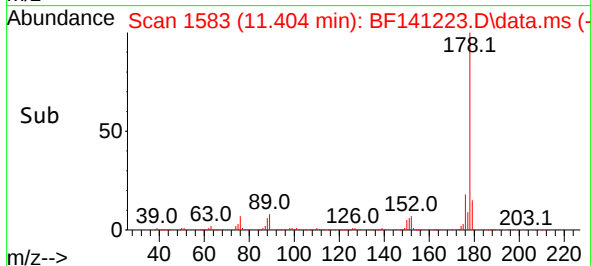
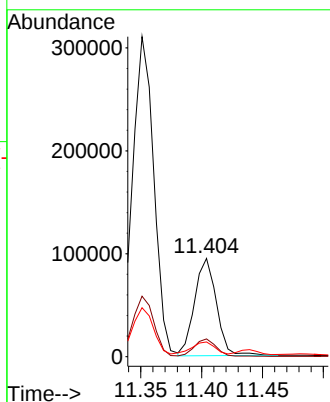
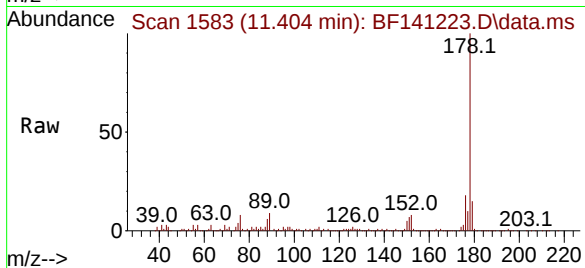
Tgt Ion:178 Resp: 118249

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

179 15.0 12.6 19.0



#75

Fluoranthene

Concen: 26.498 ng

RT: 12.539 min Scan# 1776

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

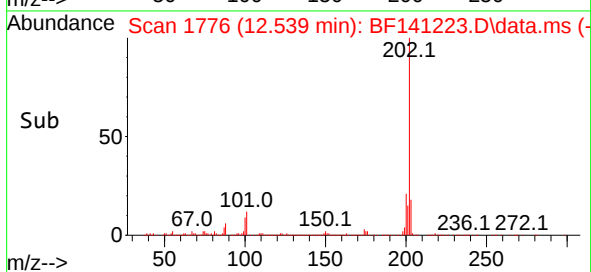
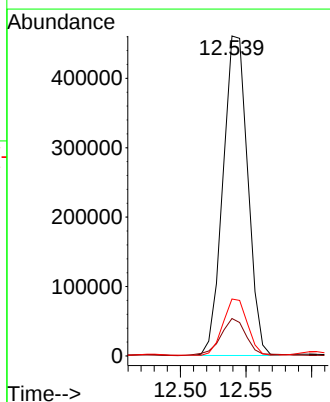
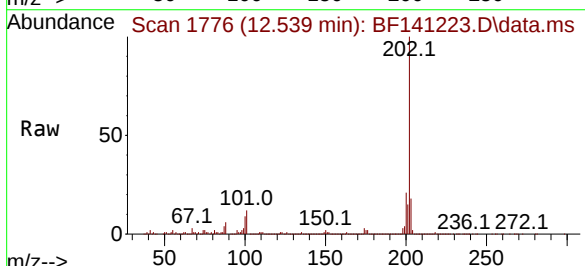
Tgt Ion:202 Resp: 603223

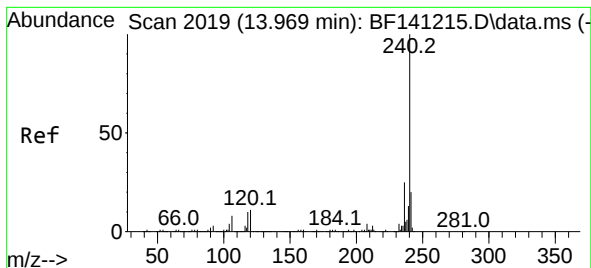
Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

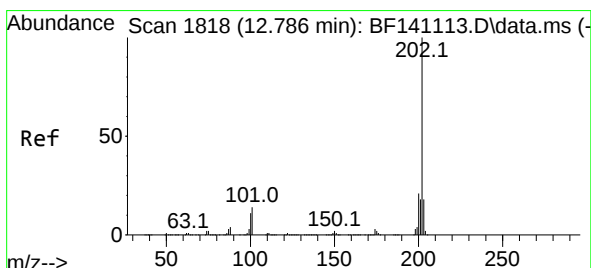
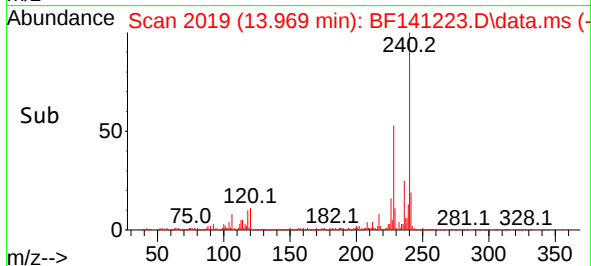
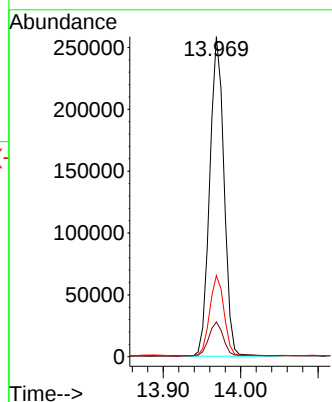
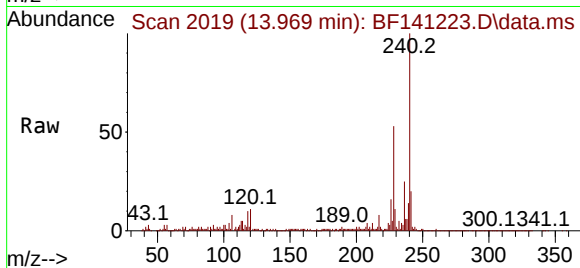
Tgt Ion:240 Resp: 330728

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

236 25.4 19.8 29.6



#78

Pyrene

Concen: 16.449 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

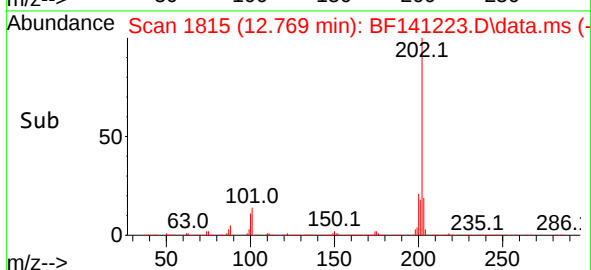
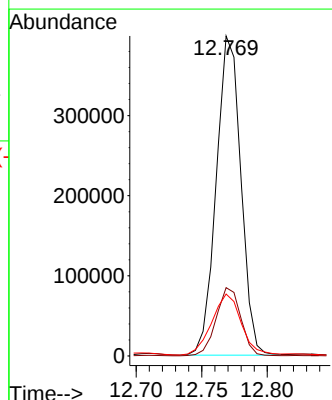
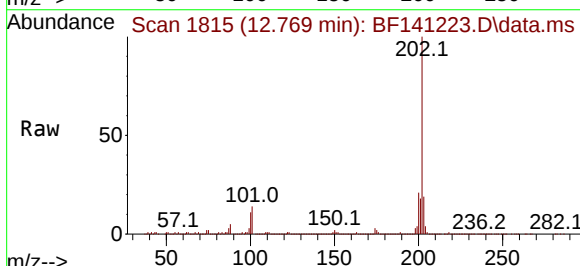
Tgt Ion:202 Resp: 519596

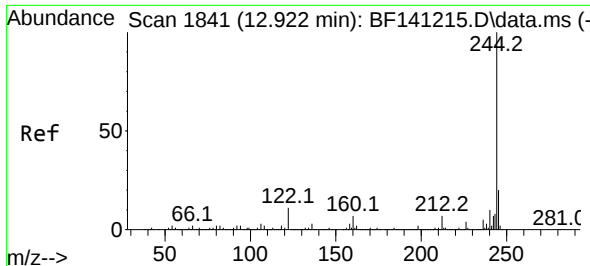
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

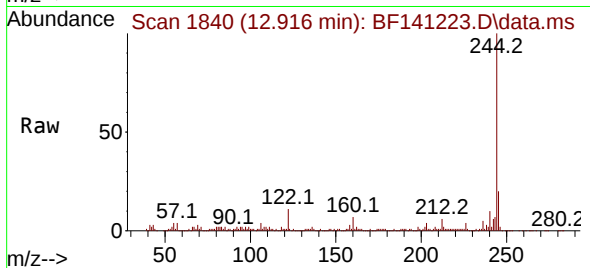
203 19.4 14.3 21.5



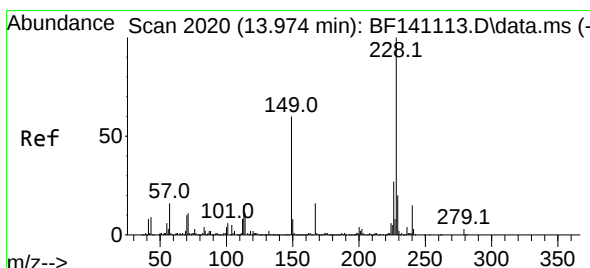
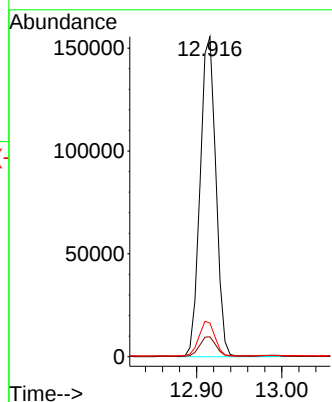
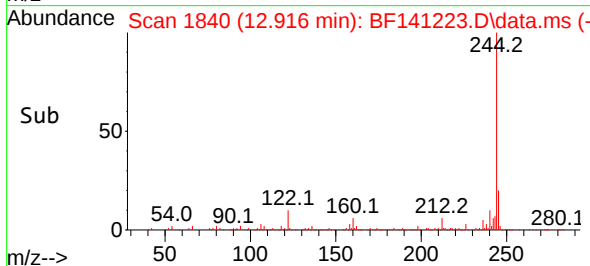


#79
 Terphenyl-d14
 Concen: 8.997 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141223.D
 Acq: 20 Jan 2025 15:32

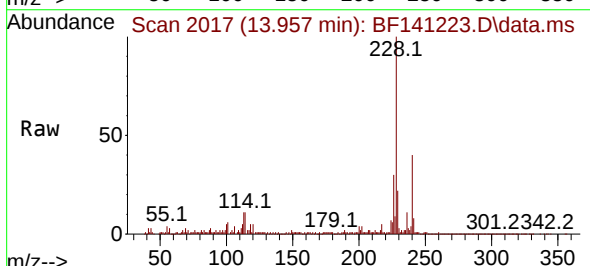
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-011725



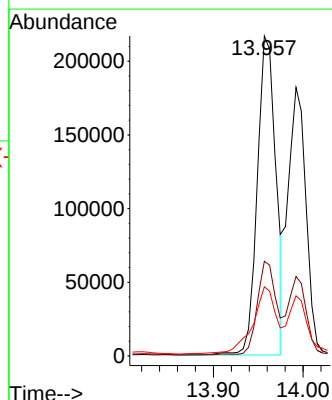
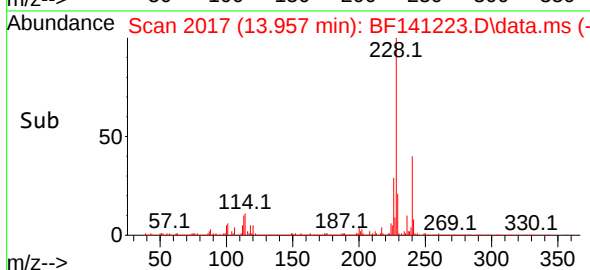
Tgt Ion:244 Resp: 200200
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.2
 122 10.5 8.8 13.2

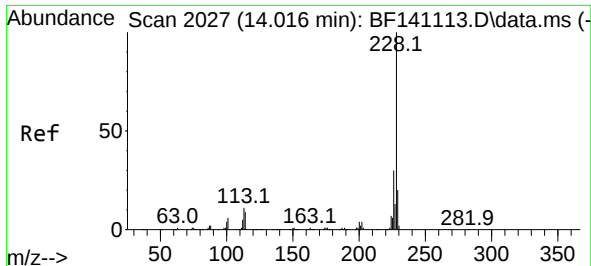


#81
 Benzo(a)anthracene
 Concen: 13.819 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. -0.018 min
 Lab File: BF141223.D
 Acq: 20 Jan 2025 15:32



Tgt Ion:228 Resp: 311045
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.7 32.5
 229 21.6 15.7 23.5

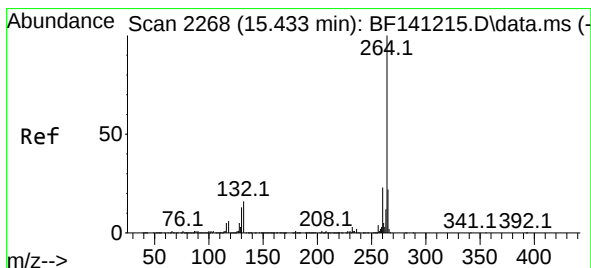
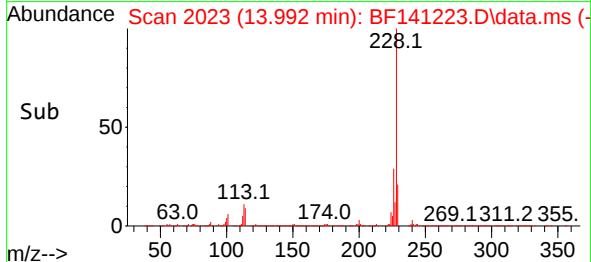
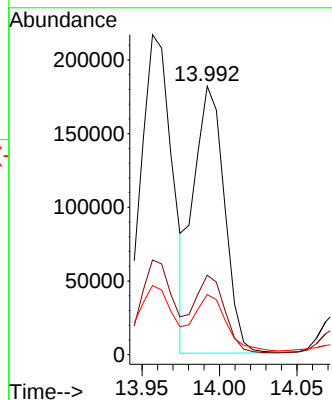
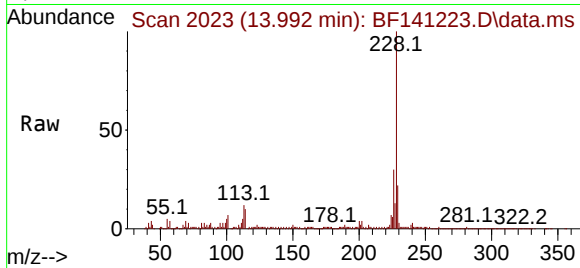




#83
Chrysene
Concen: 11.908 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

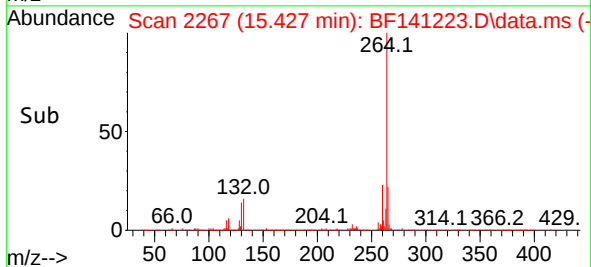
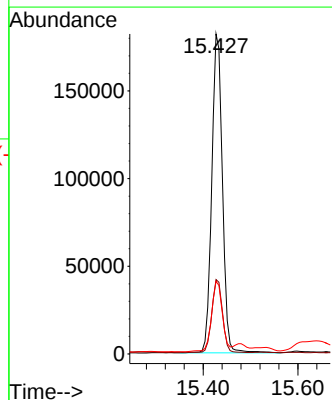
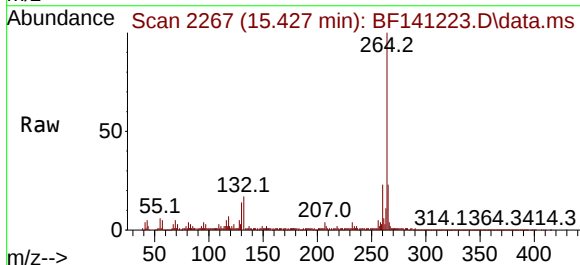
Instrument :
BNA_F
ClientSampleId :
EO-1-011725

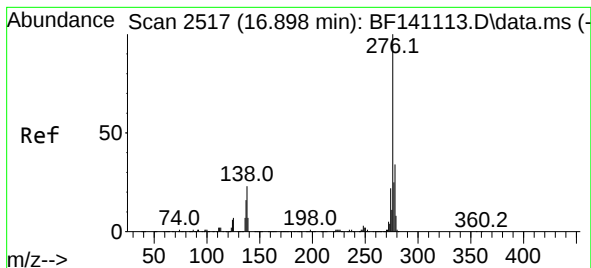
Tgt Ion:228 Resp: 250788
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 22.4 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:264 Resp: 284129
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.836 ng

RT: 16.868 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

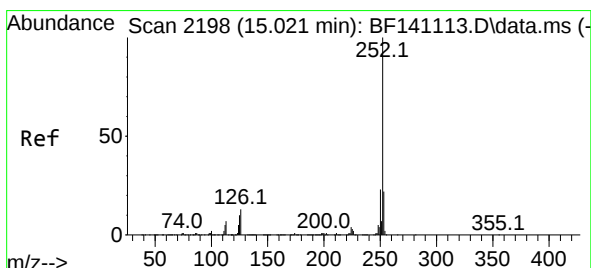
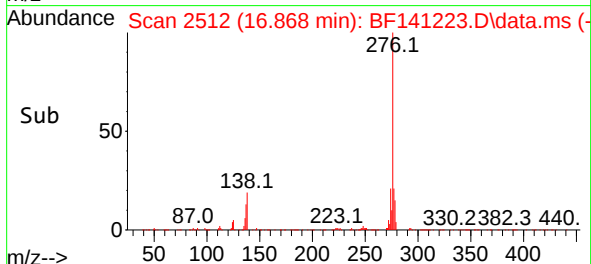
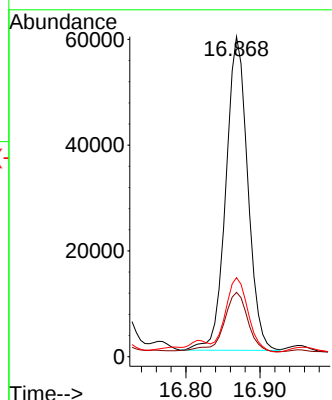
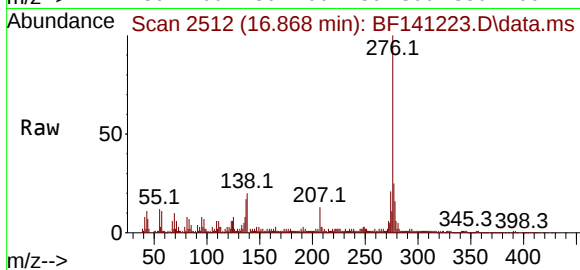
Tgt Ion:276 Resp: 121476

Ion Ratio Lower Upper

276 100

138 20.6 20.7 31.1#

277 24.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 23.639 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

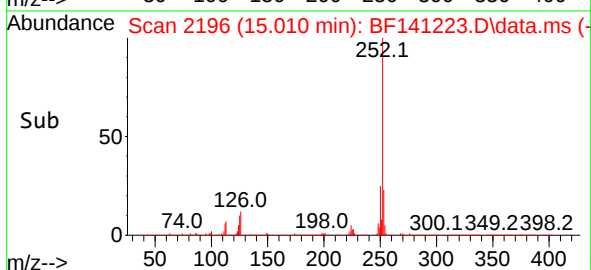
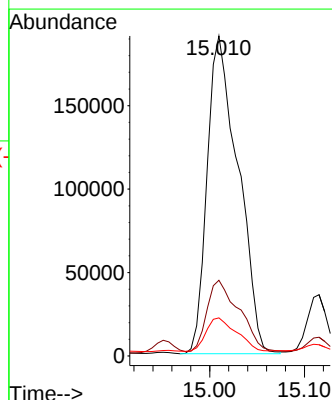
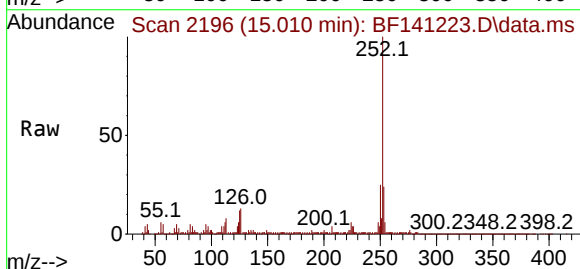
Tgt Ion:252 Resp: 433104

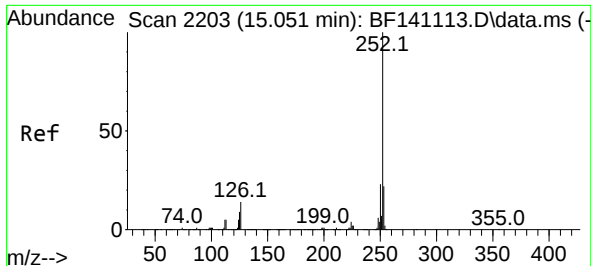
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 11.9 8.1 12.1

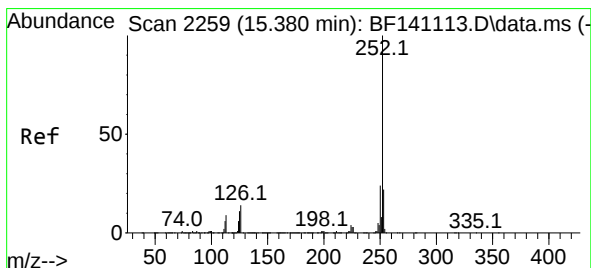
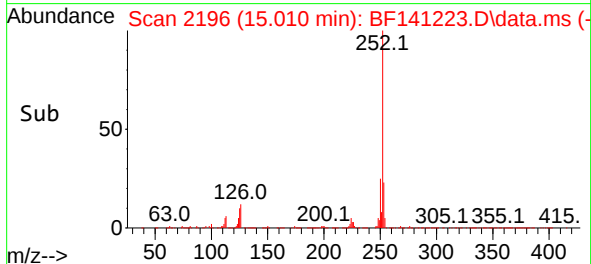
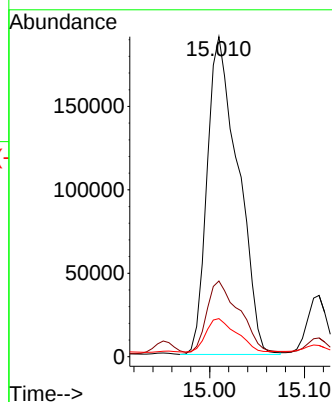
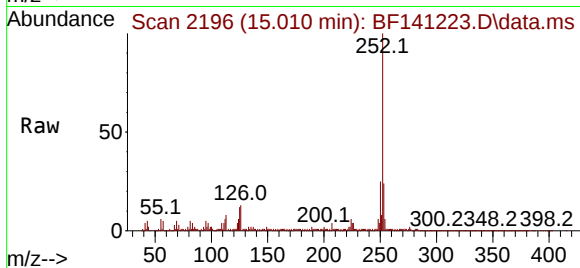




#89
Benzo(k)fluoranthene
Concen: 27.972 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

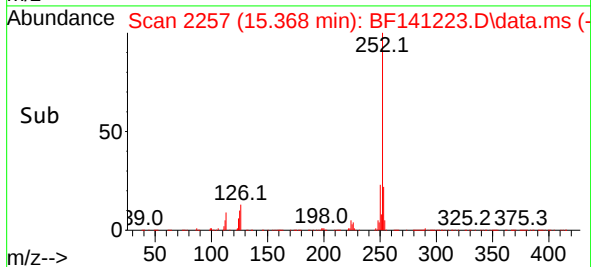
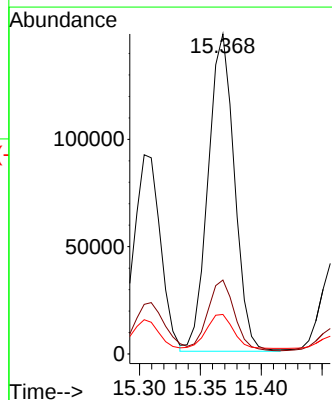
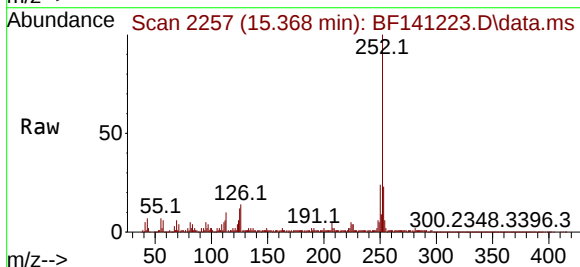
Instrument :
BNA_F
ClientSampleId :
EO-1-011725

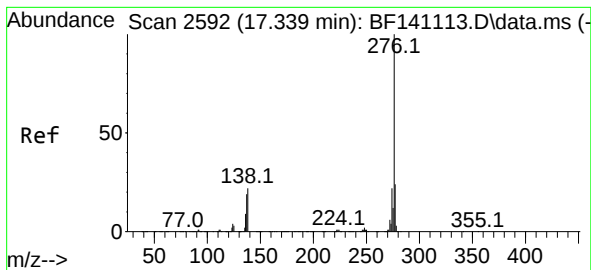
Tgt Ion:252 Resp: 433104
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.9 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 14.730 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:252 Resp: 222668
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 12.4 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 6.327 ng

RT: 17.304 min Scan# 2

Delta R.T. -0.035 min

Lab File: BF141223.D

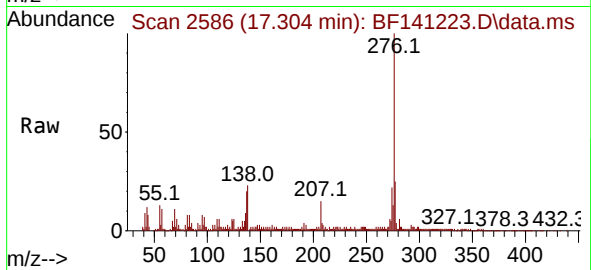
Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725



Tgt Ion:276 Resp: 110797

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 22.7 17.4 26.2

