

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF129000.D
 Acq On : 24 Jun 2022 20:27
 Operator : CG\JU
 Sample : N3455-15 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-3

Quant Time: Jun 25 06:16:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

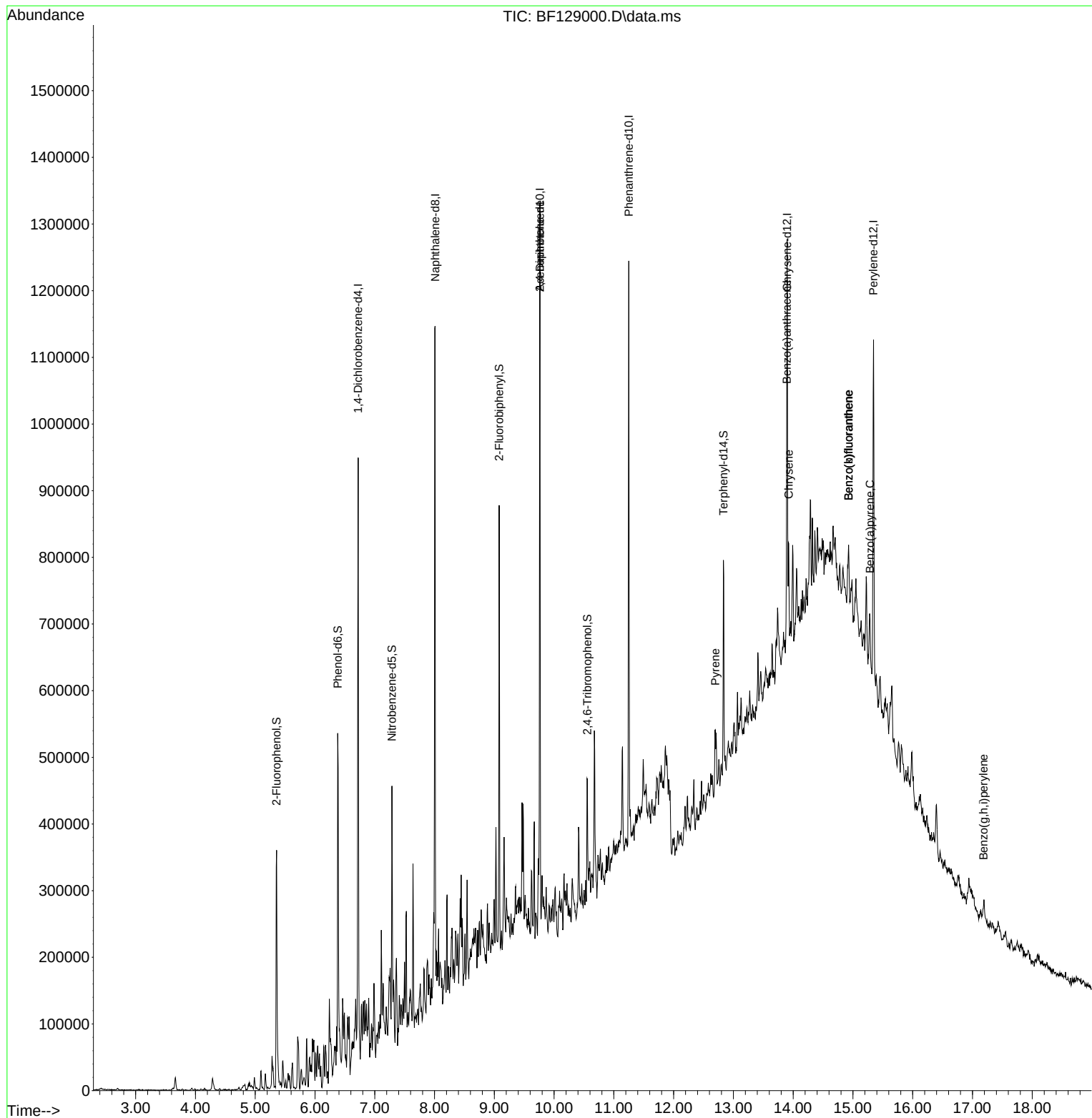
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	111956	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	394337	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	193660	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	291441	20.000	ng	0.00
76) Chrysene-d12	13.898	240	185137	20.000	ng	# 0.00
86) Perylene-d12	15.345	264	138874	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	109909	15.637	ng	0.00
7) Phenol-d6	6.381	99	139848	16.300	ng	0.00
23) Nitrobenzene-d5	7.286	82	95053	11.223	ng	-0.02
42) 2,4,6-Tribromophenol	10.557	330	21692	9.480	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	173254	12.532	ng	-0.01
79) Terphenyl-d14	12.833	244	106002	9.949	ng	0.00
Target Compounds						
						Qvalue
57) 2,4-Dinitrotoluene	9.763	165	25784	7.385	ng	# 23
78) Pyrene	12.698	202	31019	2.252	ng	96
81) Benzo(a)anthracene	13.892	228	45439	3.937	ng	# 87
83) Chrysene	13.927	228	68660	6.241	ng	# 95
88) Benzo(b)fluoranthene	14.927	252	43864	4.943	ng	# 80
89) Benzo(k)fluoranthene	14.927	252	43864	5.255	ng	# 80
90) Benzo(a)pyrene	15.286	252	29987	4.299	ng	# 76
92) Benzo(g,h,i)perylene	17.186	276	20805	3.023	ng	98

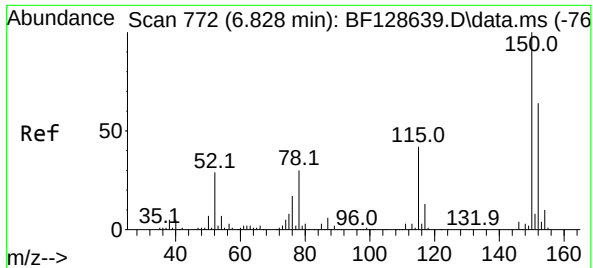
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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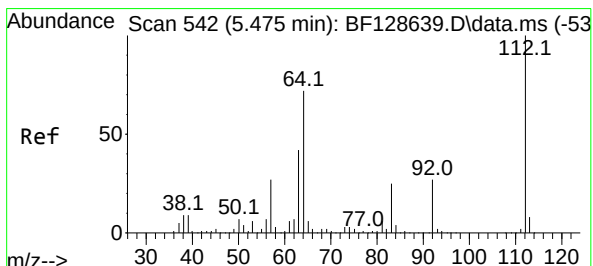
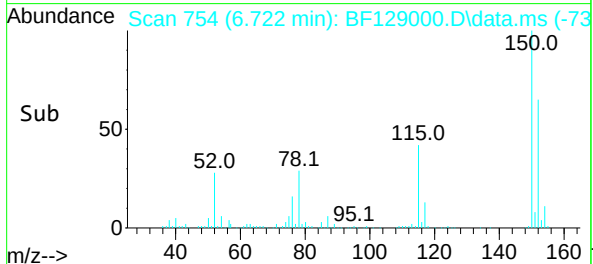
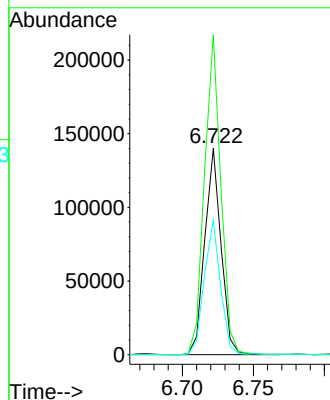
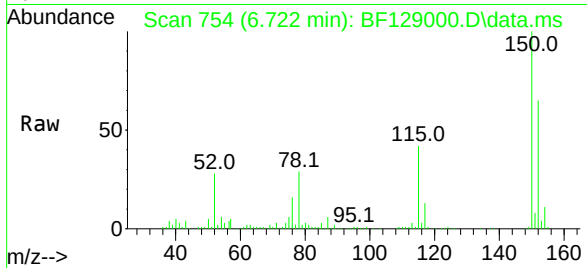




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

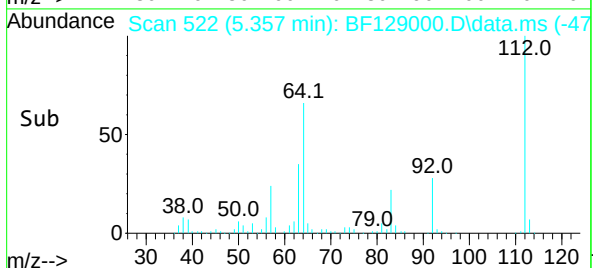
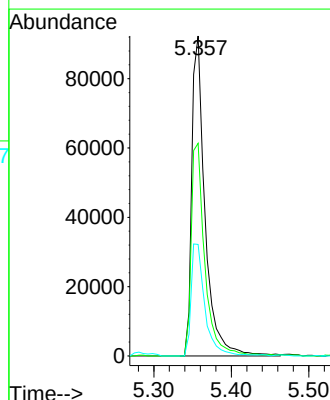
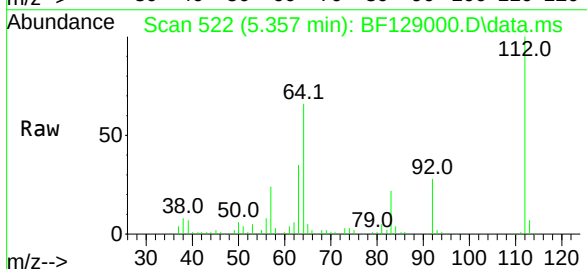
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-3

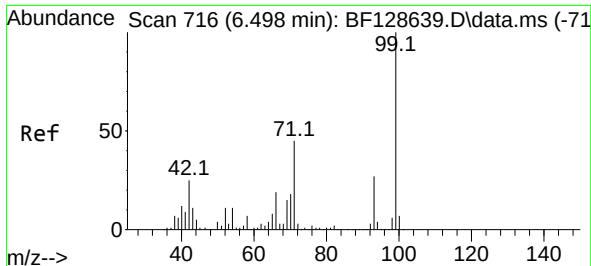
Tgt Ion:152 Resp: 111956
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 65.1 49.9 74.9



#5
2-Fluorophenol
Concen: 15.637 ng
RT: 5.357 min Scan# 522
Delta R.T. -0.000 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

Tgt Ion:112 Resp: 109909
Ion Ratio Lower Upper
112 100
64 66.5 53.3 79.9
63 34.9 28.0 42.0

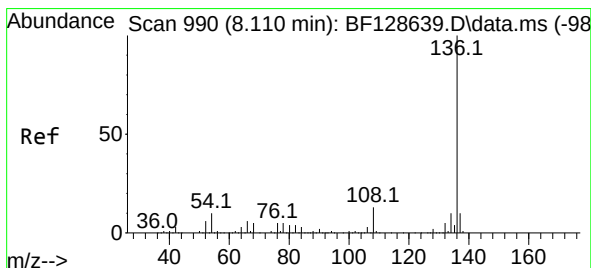
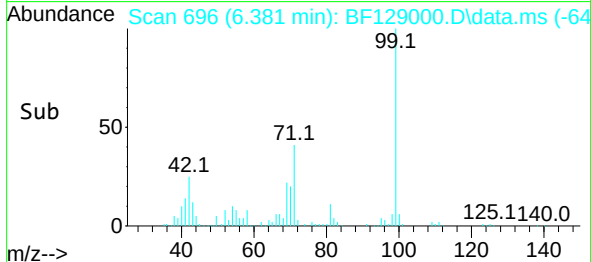
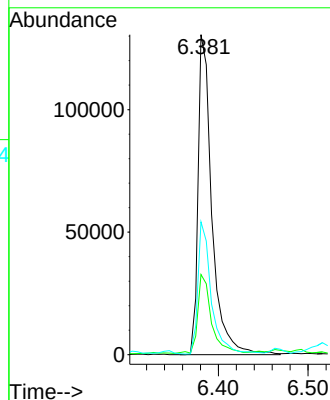
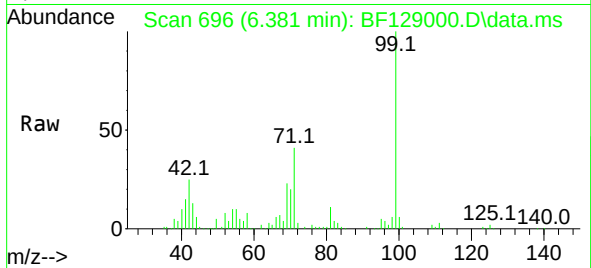




#7
Phenol-d6
Concen: 16.300 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

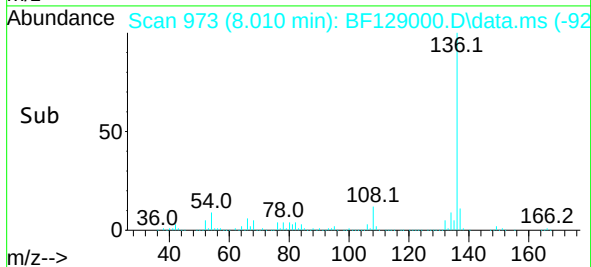
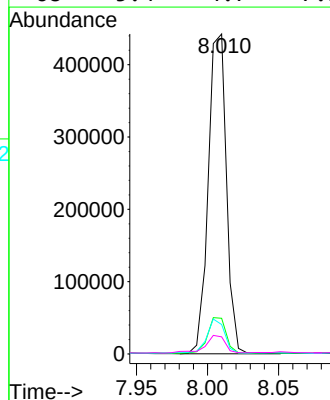
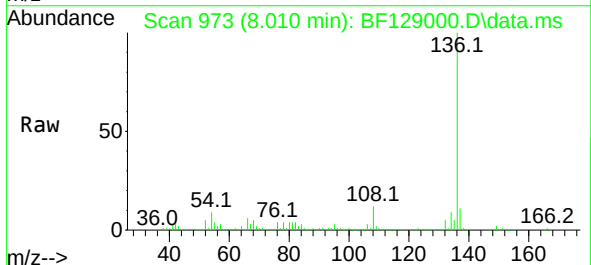
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-3

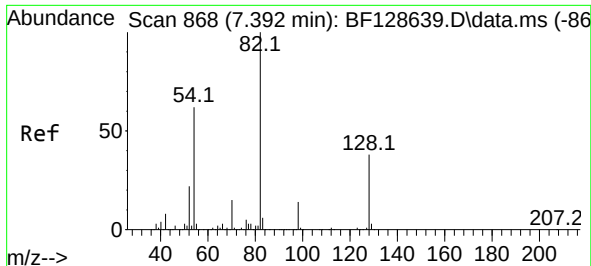
Tgt Ion: 99 Resp: 139848
Ion Ratio Lower Upper
99 100
42 25.0 17.3 25.9
71 41.5 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

Tgt Ion: 136 Resp: 394337
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.2 7.5 11.3
68 5.4 4.7 7.1





#23

Nitrobenzene-d5

Concen: 11.223 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-3

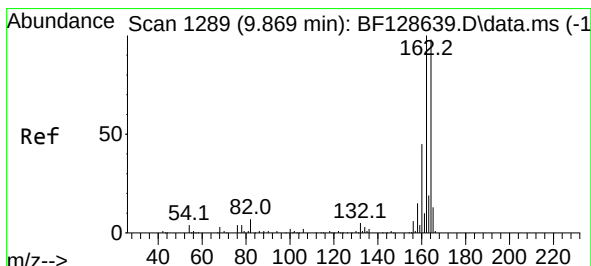
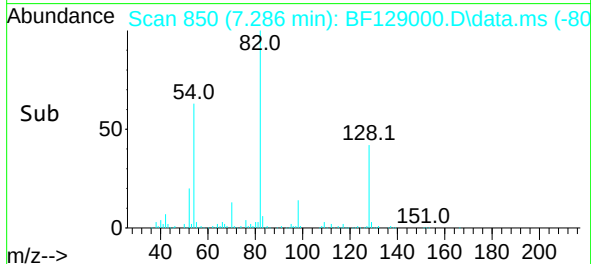
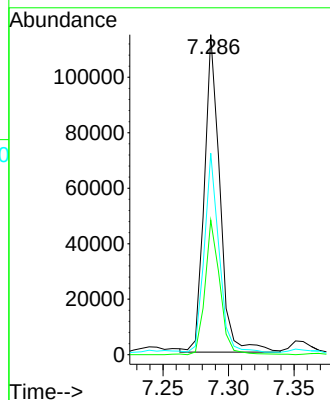
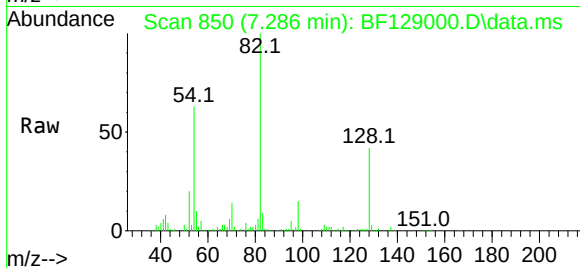
Tgt Ion: 82 Resp: 95053

Ion Ratio Lower Upper

82 100

128 42.1 34.0 51.0

54 62.9 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

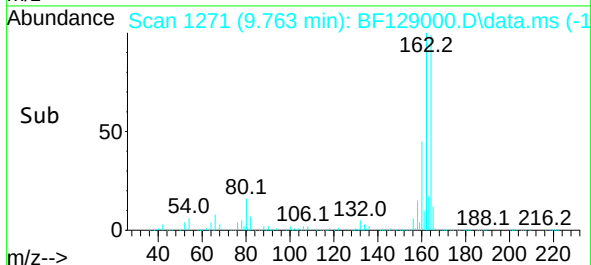
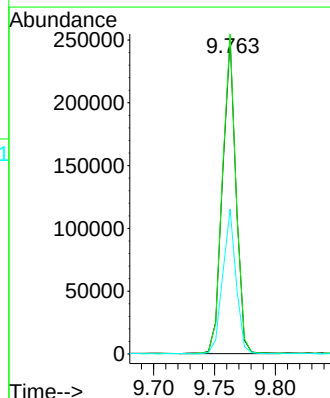
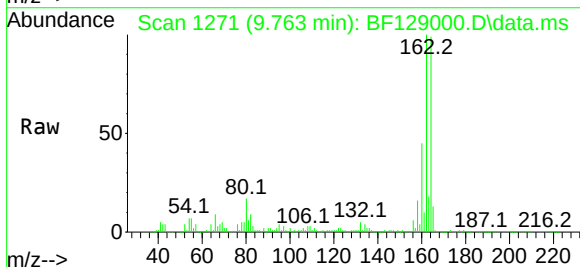
Tgt Ion:164 Resp: 193660

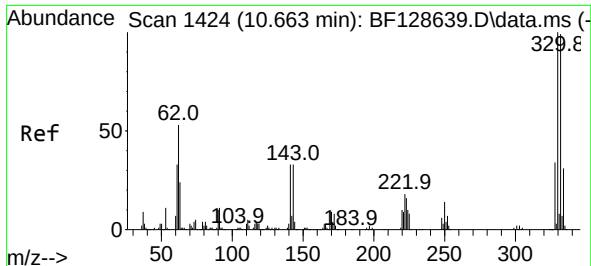
Ion Ratio Lower Upper

164 100

162 101.3 79.5 119.3

160 45.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 9.480 ng

RT: 10.557 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF129000.D

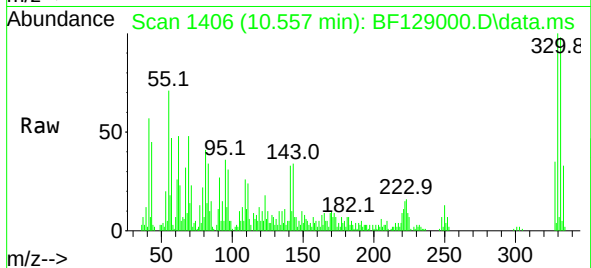
Acq: 24 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-3



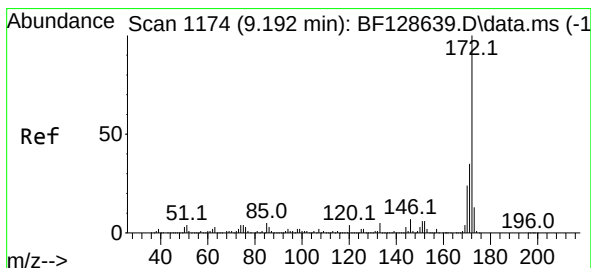
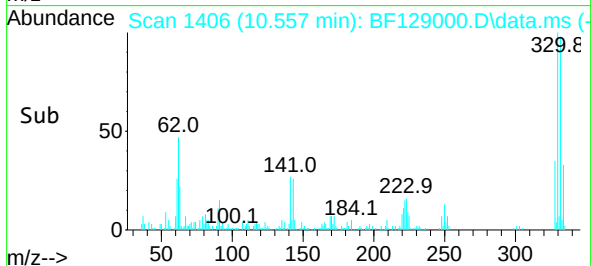
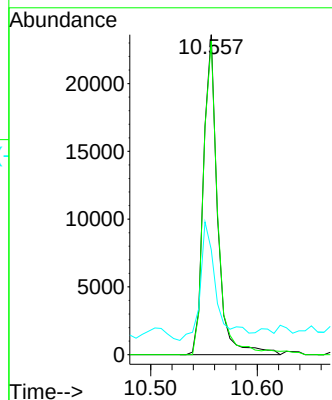
Tgt Ion:330 Resp: 21692

Ion Ratio Lower Upper

330 100

332 100.7 76.8 115.2

141 42.6 28.0 42.0#



#45

2-Fluorobiphenyl

Concen: 12.532 ng

RT: 9.080 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

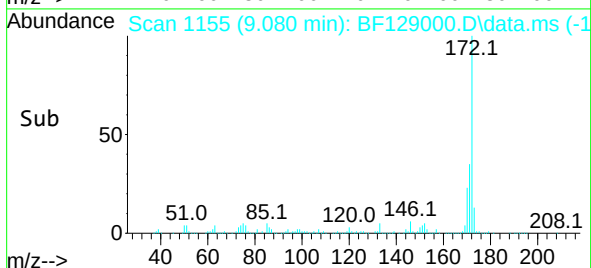
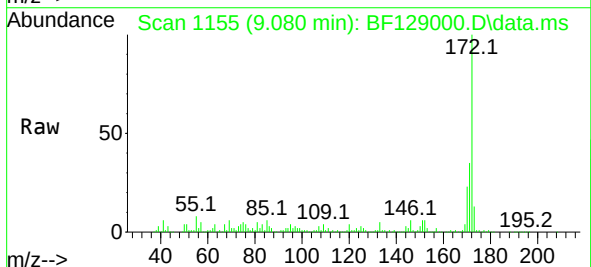
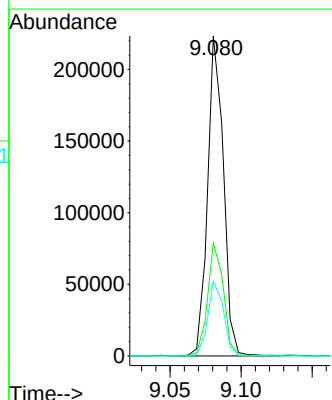
Tgt Ion:172 Resp: 173254

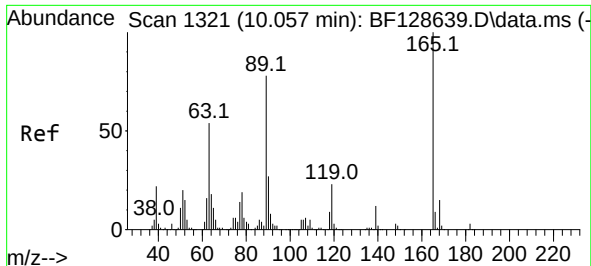
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.3 19.8 29.8

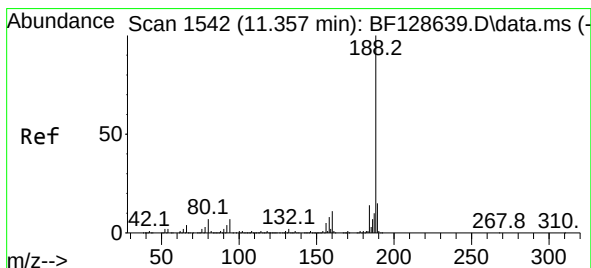
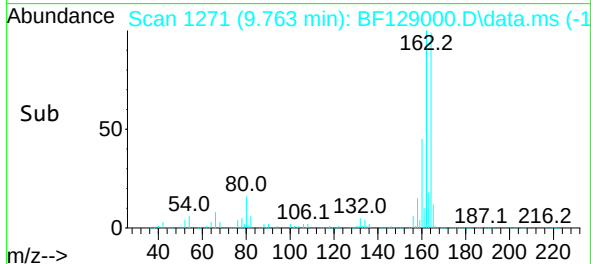
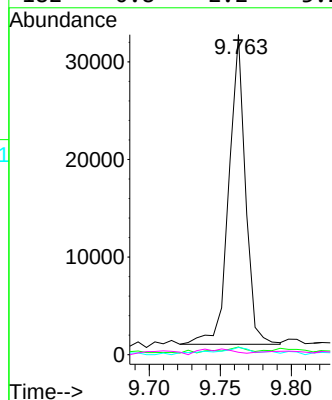
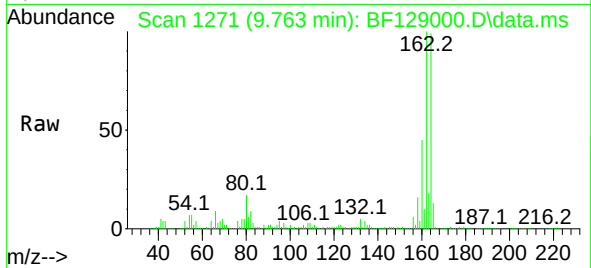




#57
2,4-Dinitrotoluene
Concen: 7.385 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

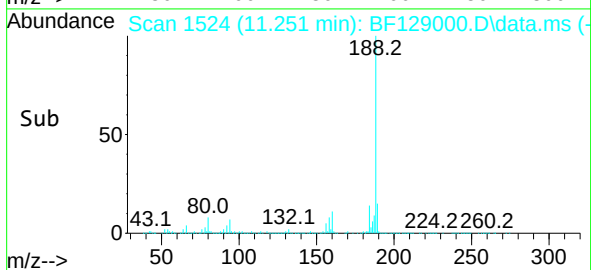
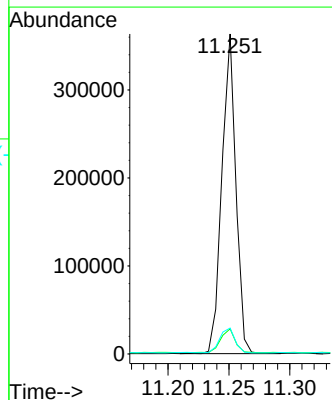
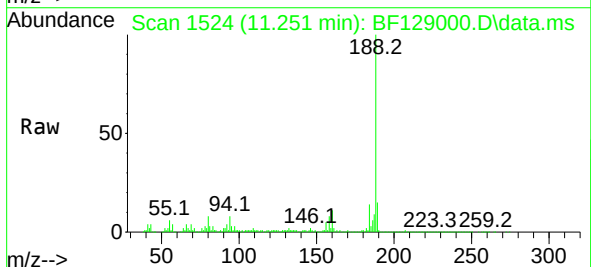
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-3

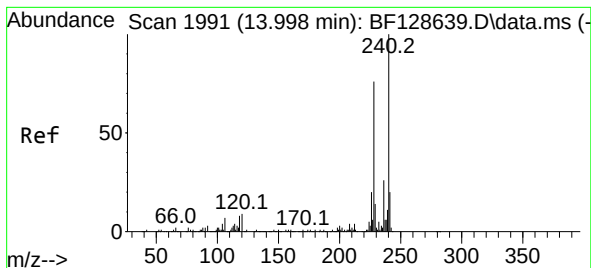
Tgt Ion:165 Resp: 25784
Ion Ratio Lower Upper
165 100
63 2.4 39.8 59.6#
89 2.2 60.2 90.2#
182 0.8 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BF129000.D
Acq: 24 Jun 2022 20:27

Tgt Ion:188 Resp: 291441
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.1 7.6 11.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-3

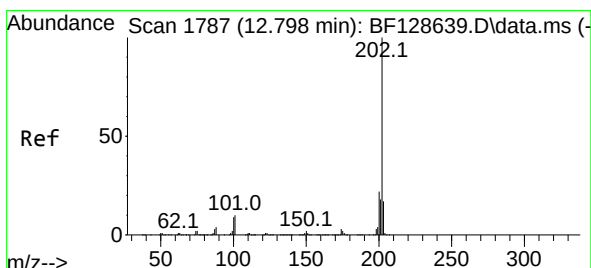
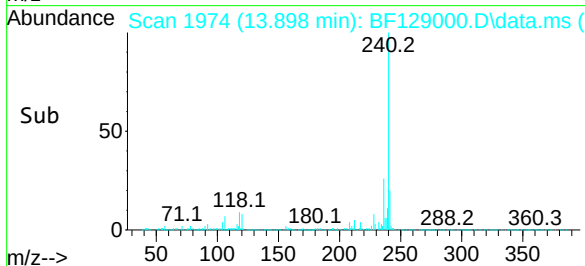
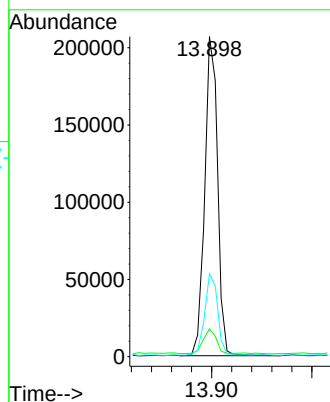
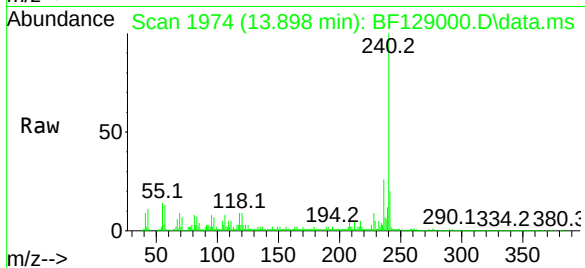
Tgt Ion:240 Resp: 185137

Ion Ratio Lower Upper

240 100

120 8.7 8.9 13.3#

236 26.0 20.8 31.2



#78

Pyrene

Concen: 2.252 ng

RT: 12.698 min Scan# 1770

Delta R.T. -0.000 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

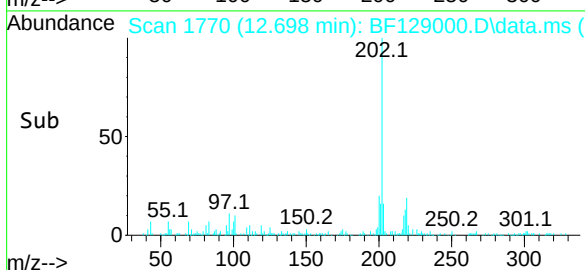
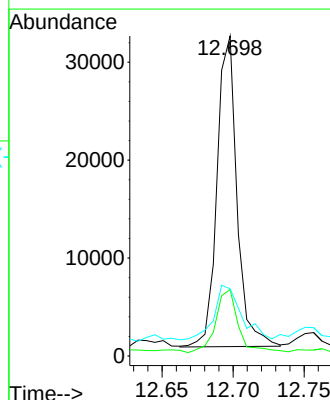
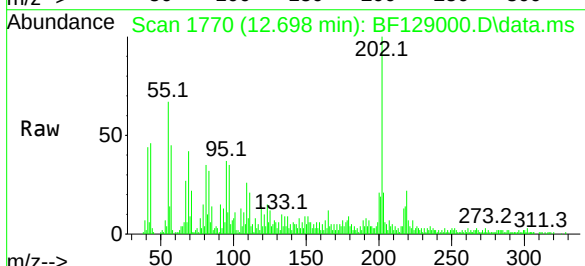
Tgt Ion:202 Resp: 31019

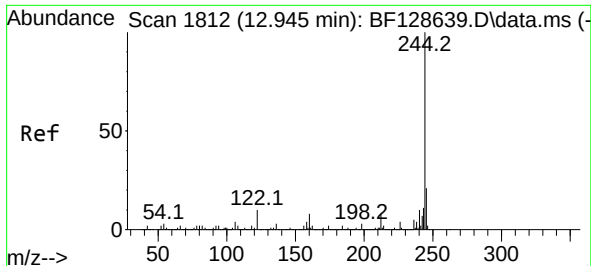
Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

203 21.0 14.6 21.8

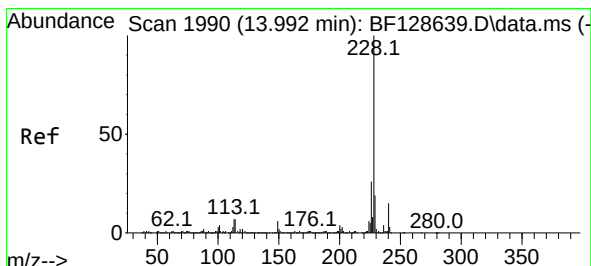
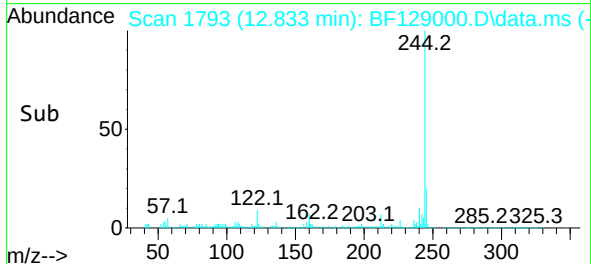
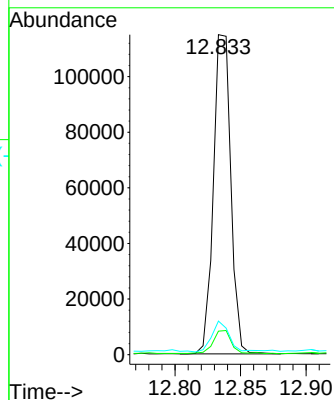
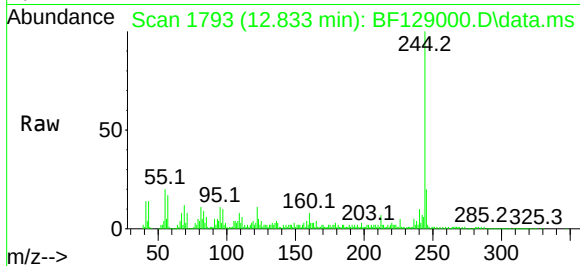




#79
 Terphenyl-d14
 Concen: 9.949 ng
 RT: 12.833 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF129000.D
 Acq: 24 Jun 2022 20:27

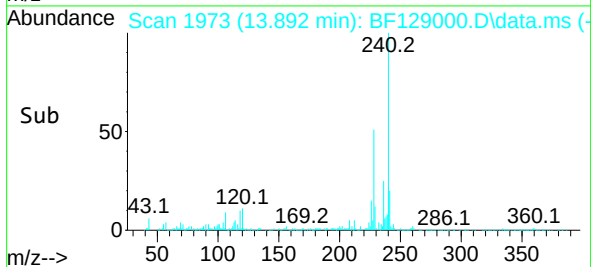
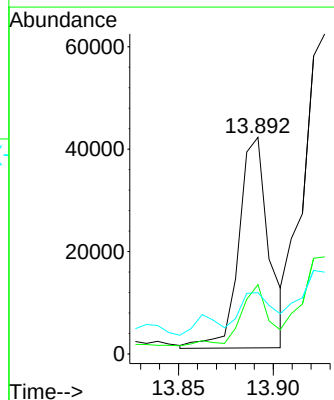
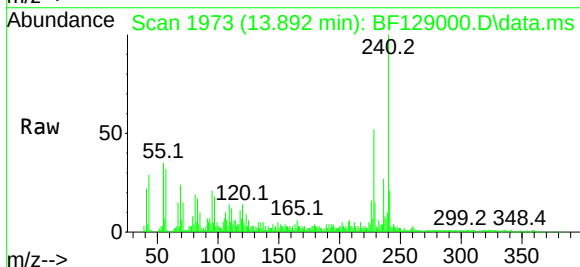
Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-3

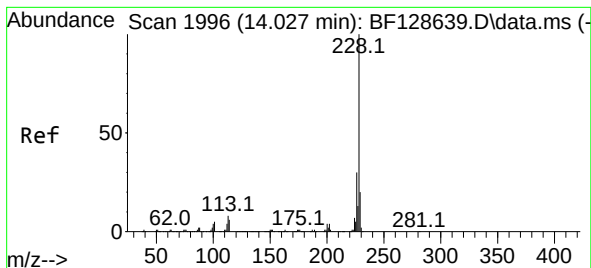
Tgt Ion:244 Resp: 106002
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 10.5 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.937 ng
 RT: 13.892 min Scan# 1973
 Delta R.T. 0.006 min
 Lab File: BF129000.D
 Acq: 24 Jun 2022 20:27

Tgt Ion:228 Resp: 45439
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.1 33.1
 229 28.3 15.8 23.8#





#83

Chrysene

Concen: 6.241 ng

RT: 13.927 min Scan# 1996

Delta R.T. -0.000 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-3

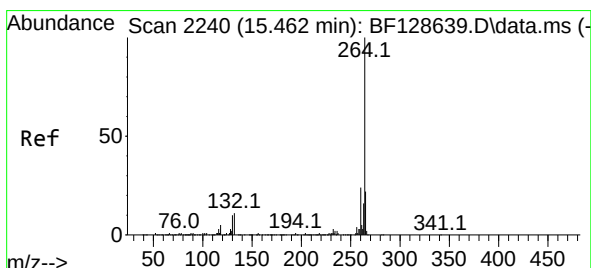
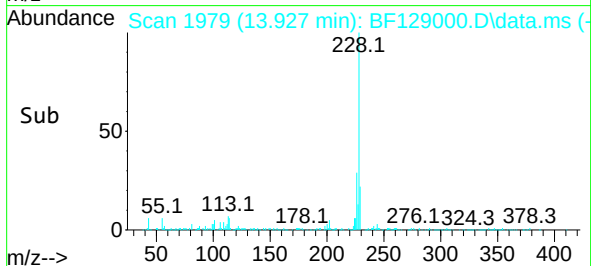
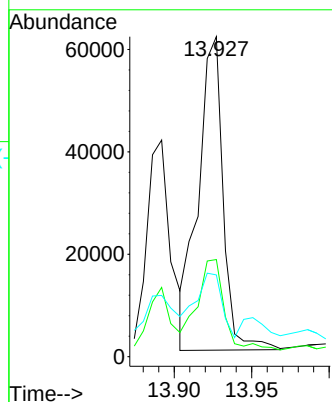
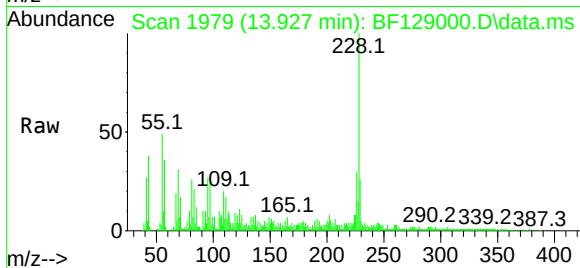
Tgt Ion:228 Resp: 68660

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 25.6 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2220

Delta R.T. 0.017 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

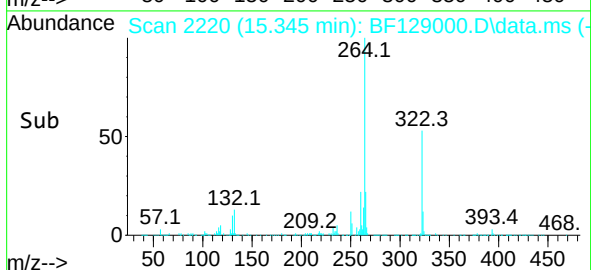
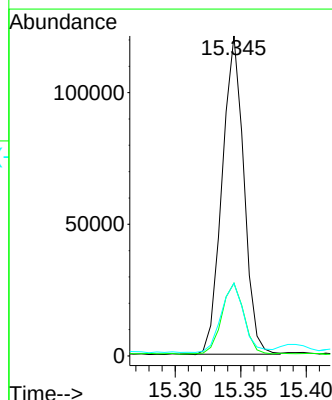
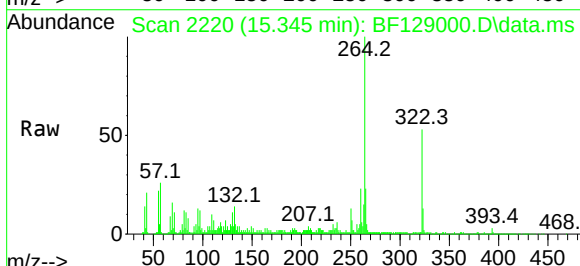
Tgt Ion:264 Resp: 138874

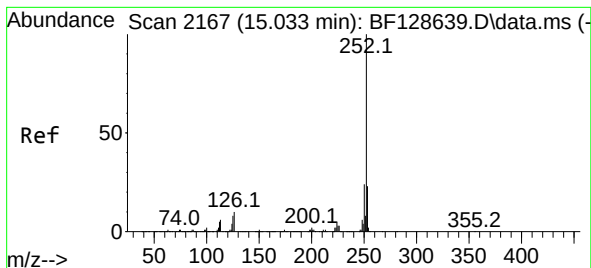
Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 22.7 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 4.943 ng

RT: 14.927 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Instrument :

BNF_F

ClientSampleId :

SP-EXC-2-3

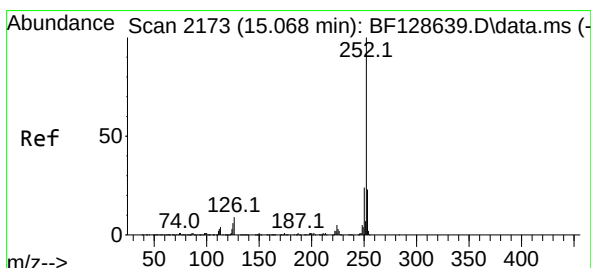
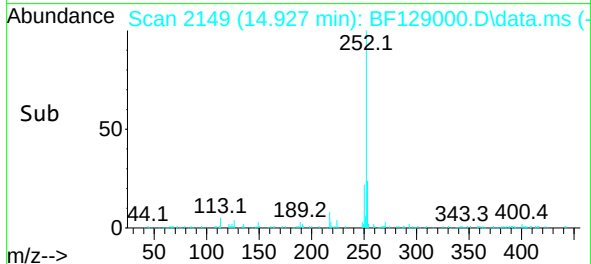
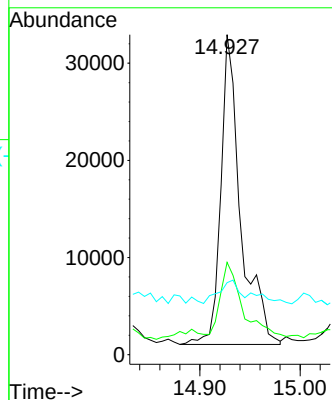
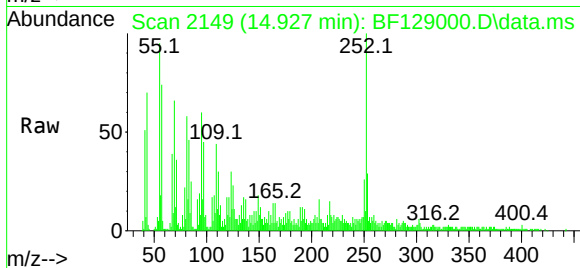
Tgt Ion:252 Resp: 43864

Ion Ratio Lower Upper

252 100

253 28.9 17.7 26.5#

125 22.5 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.255 ng

RT: 14.927 min Scan# 2149

Delta R.T. -0.024 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

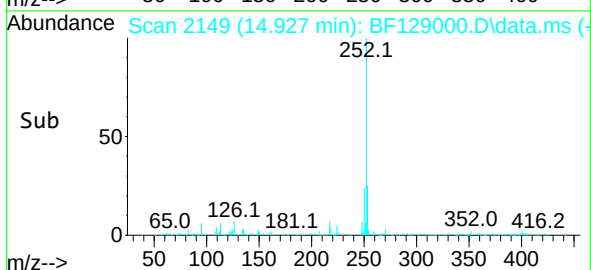
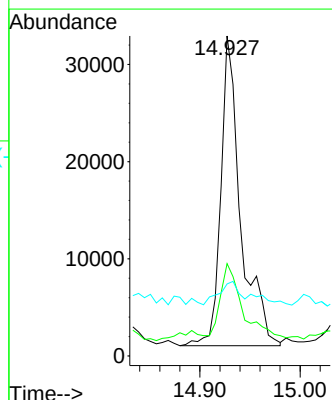
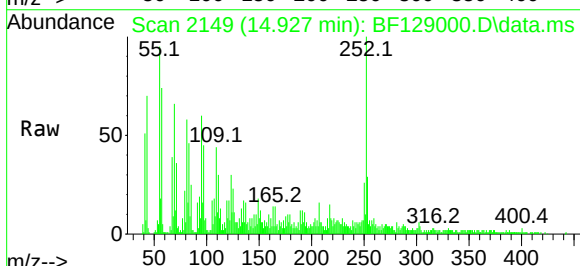
Tgt Ion:252 Resp: 43864

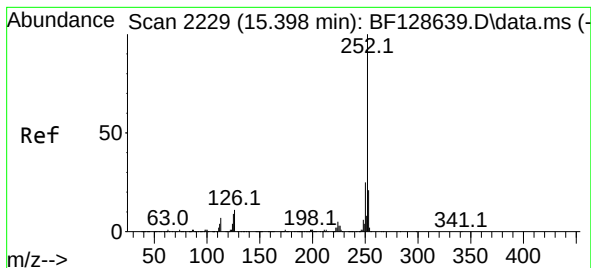
Ion Ratio Lower Upper

252 100

253 28.9 17.8 26.6#

125 22.5 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.299 ng

RT: 15.286 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-3

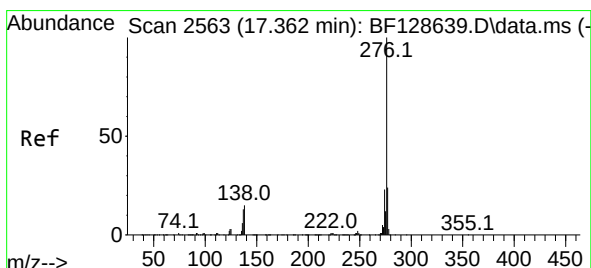
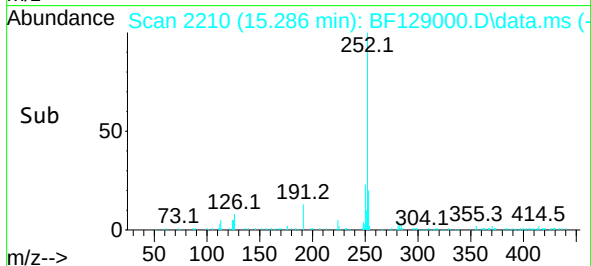
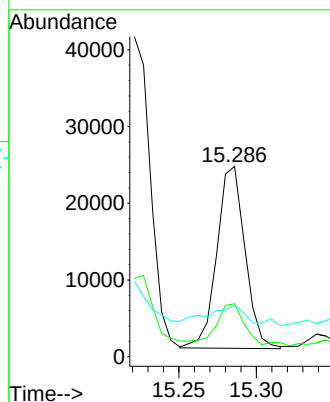
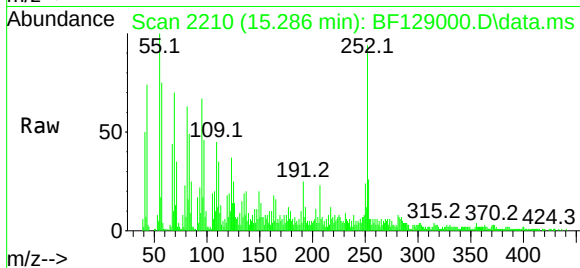
Tgt Ion:252 Resp: 29987

Ion Ratio Lower Upper

252 100

253 27.8 17.0 25.6#

125 27.0 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.023 ng

RT: 17.186 min Scan# 2533

Delta R.T. 0.017 min

Lab File: BF129000.D

Acq: 24 Jun 2022 20:27

Tgt Ion:276 Resp: 20805

Ion Ratio Lower Upper

276 100

277 25.7 19.1 28.7

138 22.5 18.0 27.0

