

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128998.D
 Acq On : 24 Jun 2022 19:27
 Operator : CG\JU
 Sample : N3455-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-1

Quant Time: Jun 25 06:15:36 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)

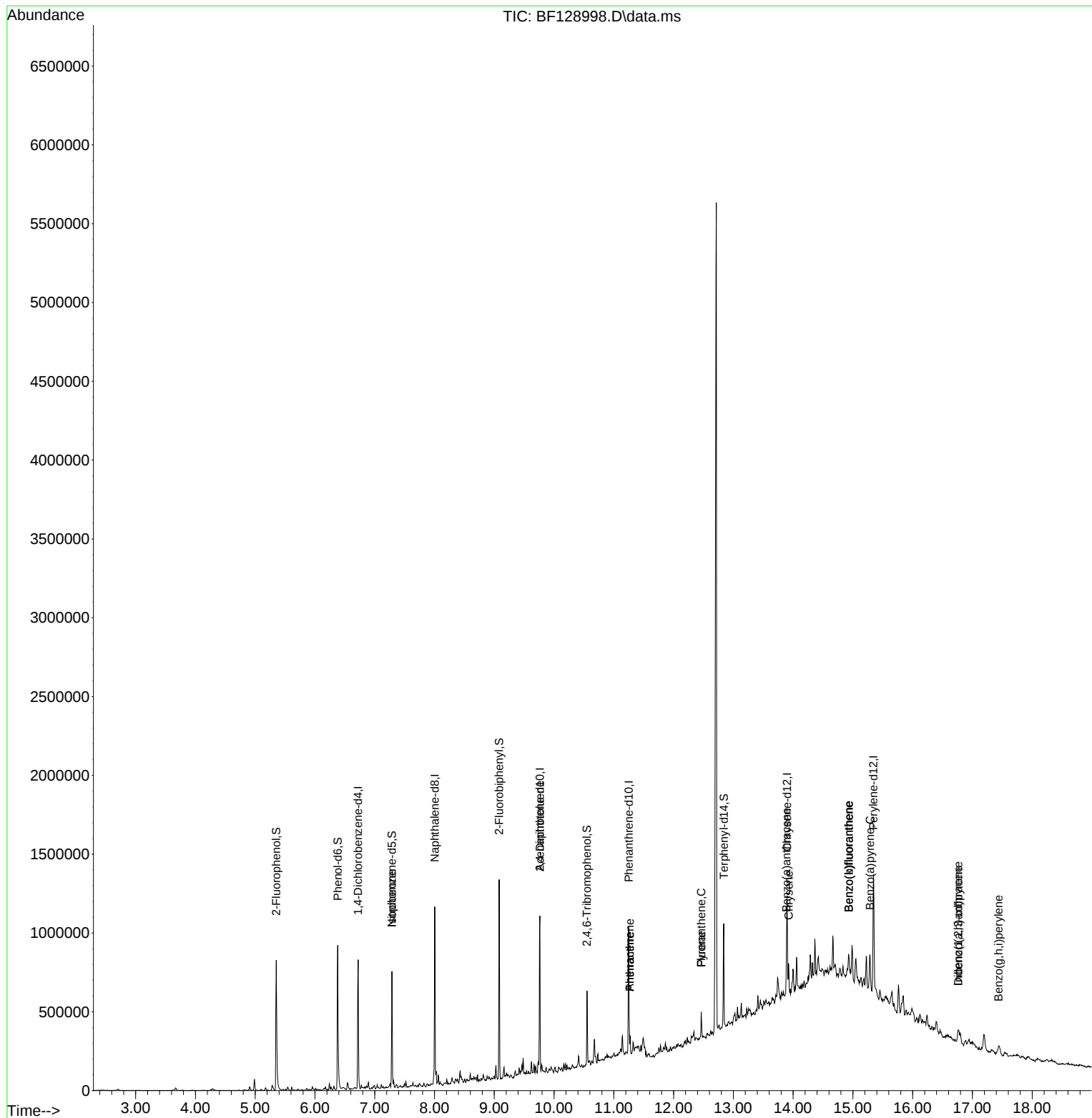
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	111682	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	426179	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	199140	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	302222	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	187021	20.000	ng	0.00
86) Perylene-d12	15.345	264	139271	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	230417	32.863	ng	0.00
7) Phenol-d6	6.381	99	284907	33.288	ng	0.00
23) Nitrobenzene-d5	7.287	82	194869	21.289	ng	-0.02
42) 2,4,6-Tribromophenol	10.551	330	50620	21.514	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	337175	23.718	ng	-0.01
79) Terphenyl-d14	12.839	244	213306	19.819	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.287	82	194056	13.959	ng	# 66
57) 2,4-Dinitrotoluene	9.763	165	26956	7.508	ng	# 22
71) Phenanthrene	11.269	178	44725	2.950	ng	98
72) Anthracene	11.269	178	44725	2.981	ng	99
75) Fluoranthene	12.463	202	59707	3.768	ng	97
78) Pyrene	12.463	202	59707	4.291	ng	98
81) Benzo(a)anthracene	13.886	228	80126	6.873	ng	# 93
83) Chrysene	13.927	228	86974	7.826	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.762	276	46981	5.597	ng	# 92
88) Benzo(b)fluoranthene	14.933	252	98235	11.039	ng	# 90
89) Benzo(k)fluoranthene	14.933	252	98235	11.735	ng	# 91
90) Benzo(a)pyrene	15.286	252	99165	14.178	ng	97
91) Dibenzo(a,h)anthracene	16.762	278	21470	3.084	ng	# 84
92) Benzo(g,h,i)perylene	17.439	276	16105	2.334	ng	93

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

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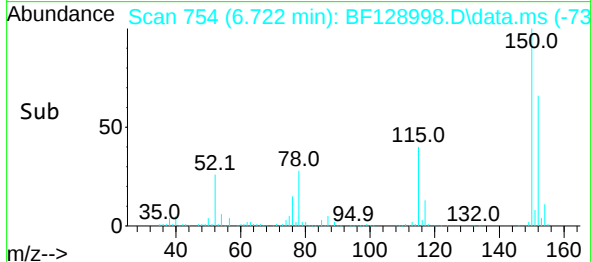
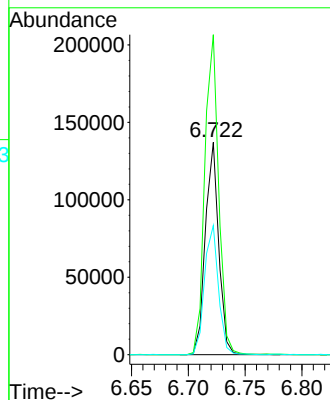
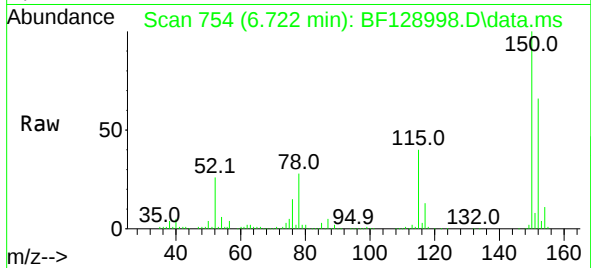




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

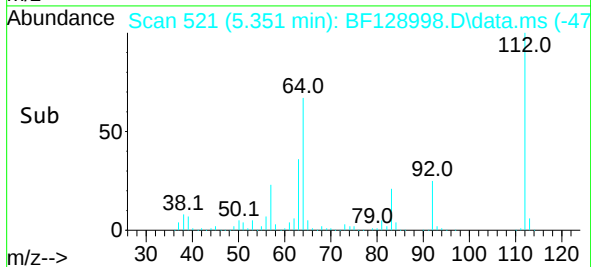
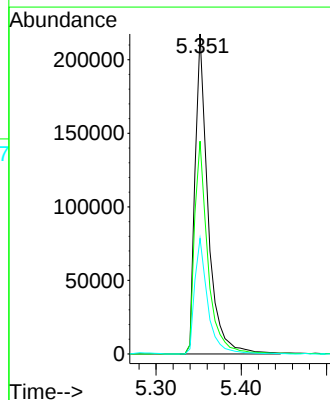
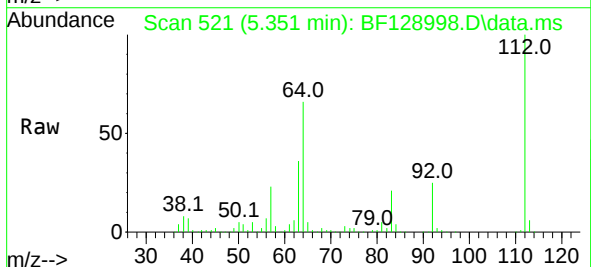
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

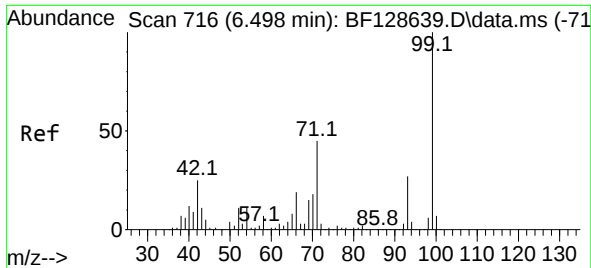
Tgt Ion:152 Resp: 111682
Ion Ratio Lower Upper
152 100
150 150.7 123.7 185.5
115 60.8 49.9 74.9



#5
2-Fluorophenol
Concen: 32.863 ng
RT: 5.351 min Scan# 521
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:112 Resp: 230417
Ion Ratio Lower Upper
112 100
64 66.5 53.3 79.9
63 36.1 28.0 42.0

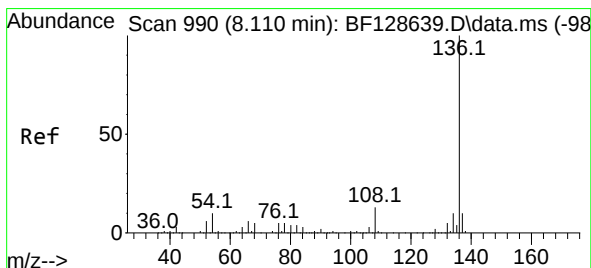
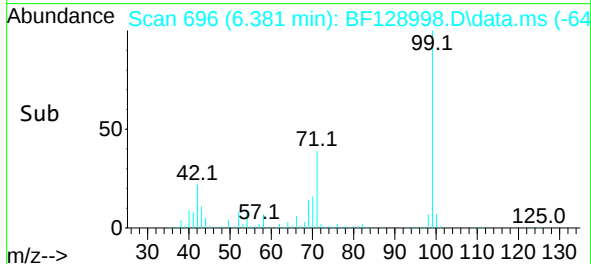
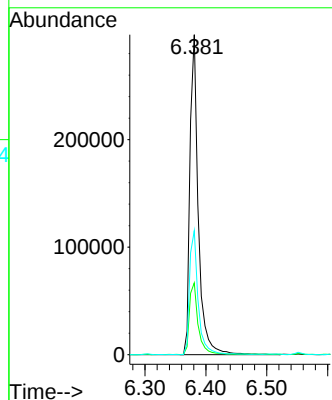
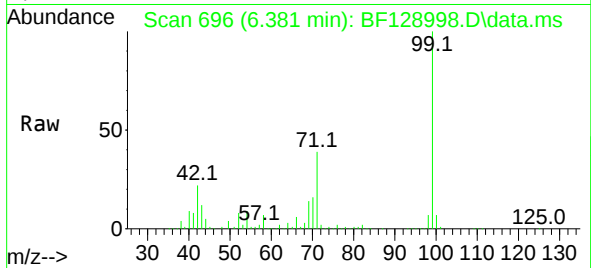




#7
Phenol-d6
Concen: 33.288 ng
RT: 6.381 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

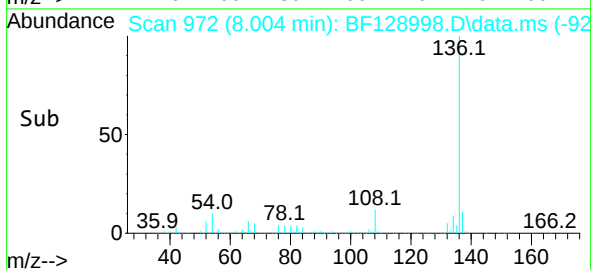
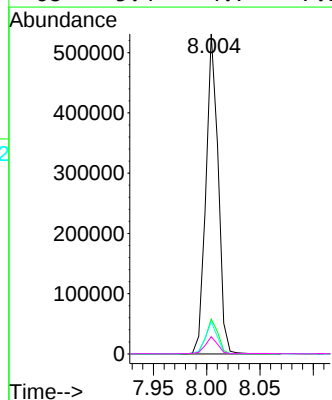
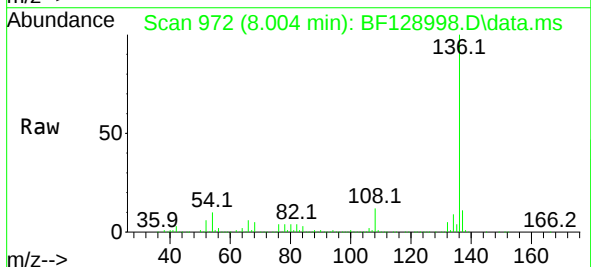
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

Tgt Ion: 99 Resp: 284907
Ion Ratio Lower Upper
99 100
42 22.4 17.3 25.9
71 38.8 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion: 136 Resp: 426179
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.0 7.5 11.3
68 5.4 4.7 7.1

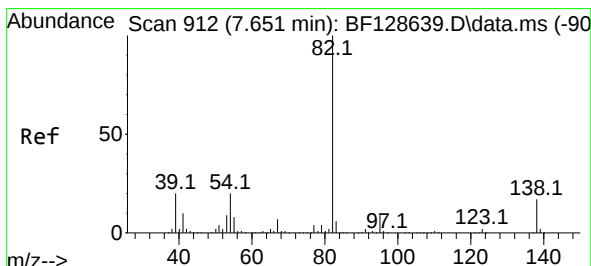
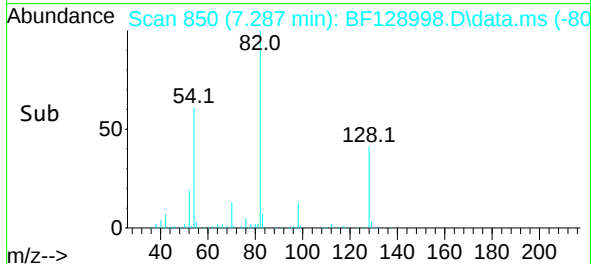
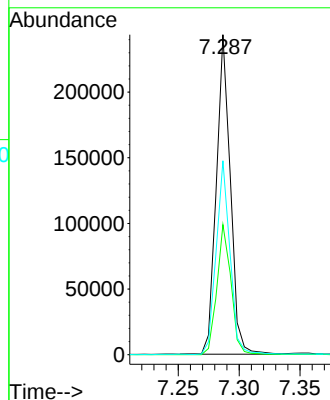
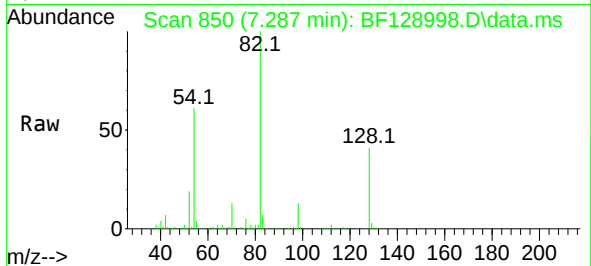




#23
Nitrobenzene-d5
Concen: 21.289 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

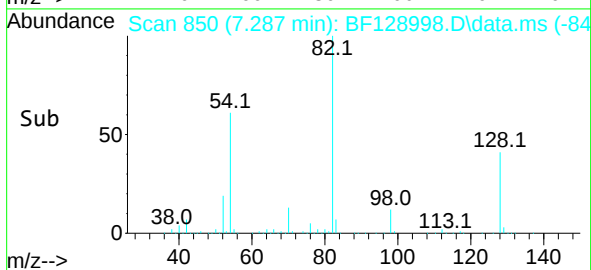
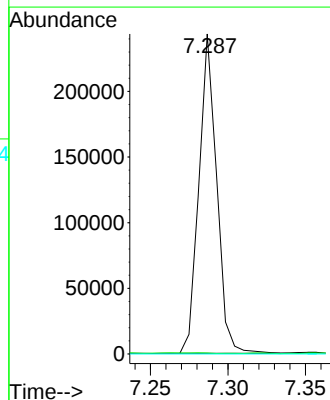
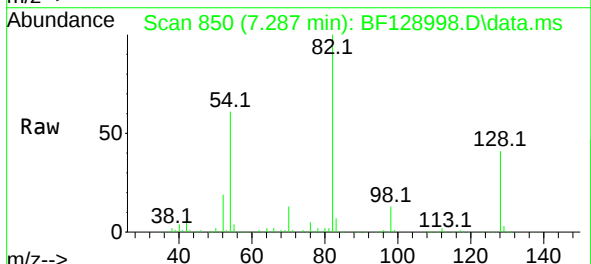
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

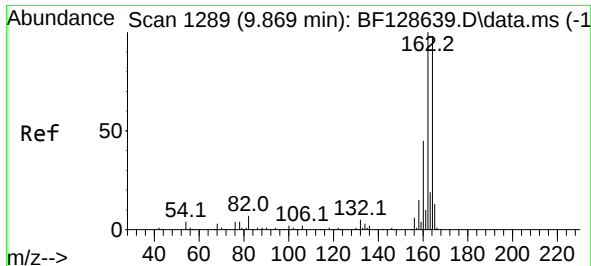
Tgt Ion: 82 Resp: 194869
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 60.6 46.9 70.3



#25
Isophorone
Concen: 13.959 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.276 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion: 82 Resp: 194056
Ion Ratio Lower Upper
82 100
95 0.3 5.7 8.5#
138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

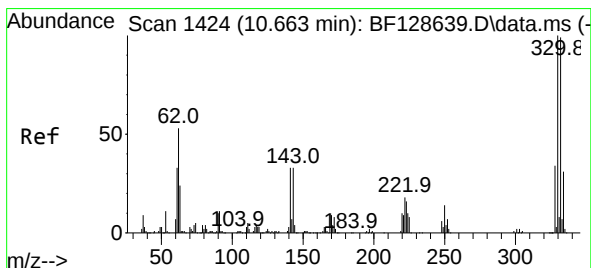
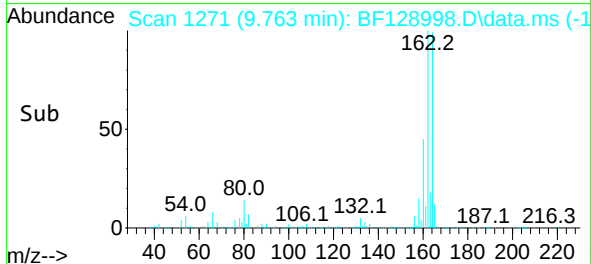
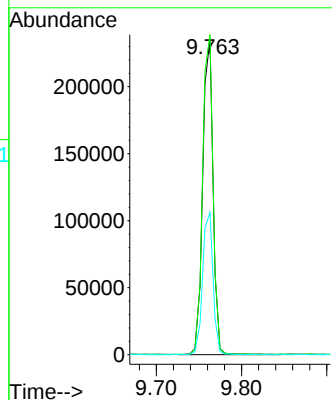
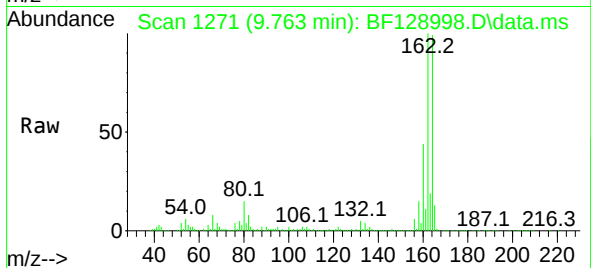
Tgt Ion:164 Resp: 199140

Ion Ratio Lower Upper

164 100

162 101.3 79.5 119.3

160 45.1 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 21.514 ng

RT: 10.551 min Scan# 1405

Delta R.T. -0.012 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

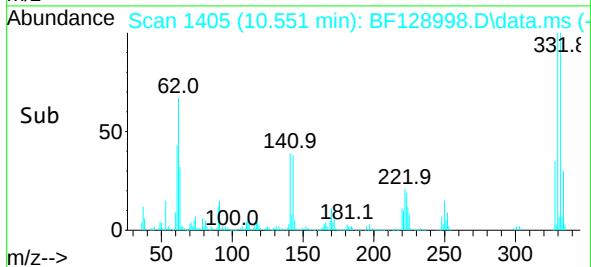
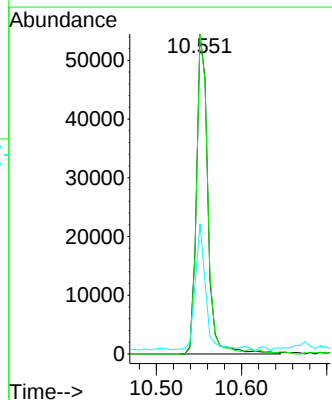
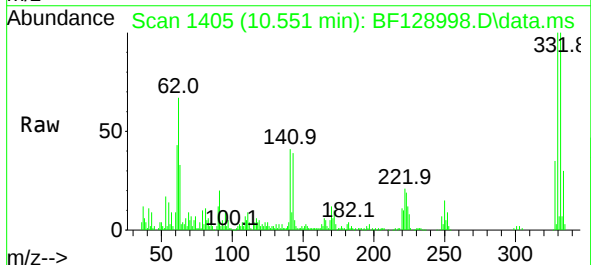
Tgt Ion:330 Resp: 50620

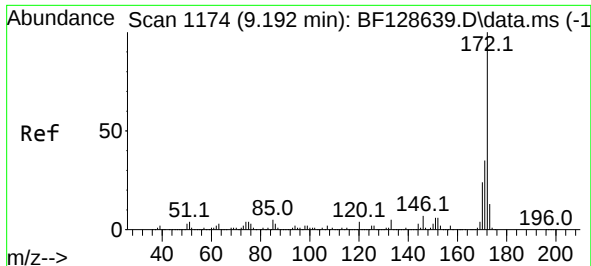
Ion Ratio Lower Upper

330 100

332 97.3 76.8 115.2

141 35.1 28.0 42.0

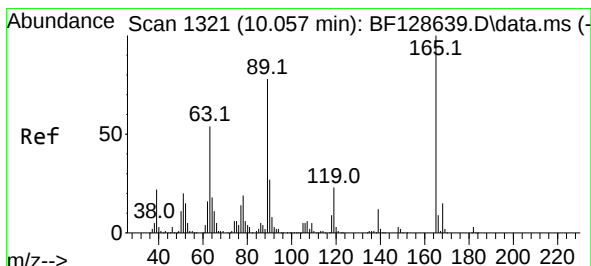
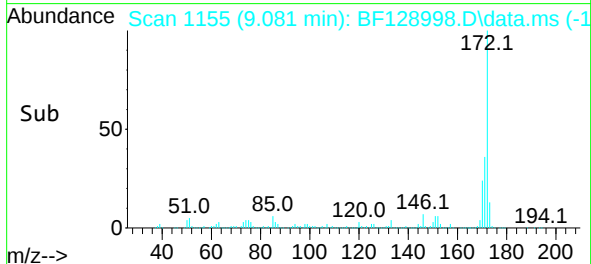
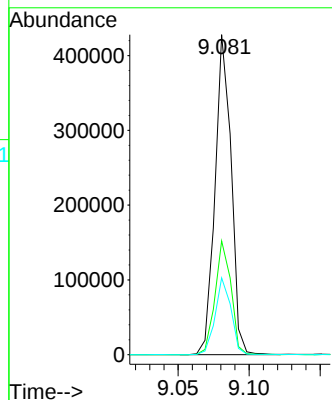
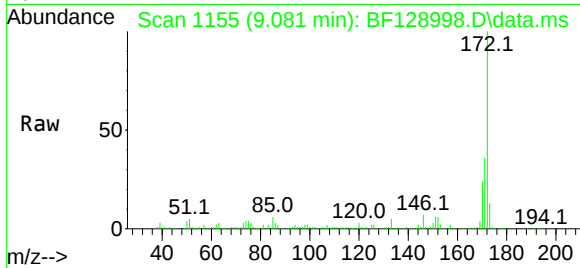




#45
2-Fluorobiphenyl
Concen: 23.718 ng
RT: 9.081 min Scan# 1174
Delta R.T. -0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

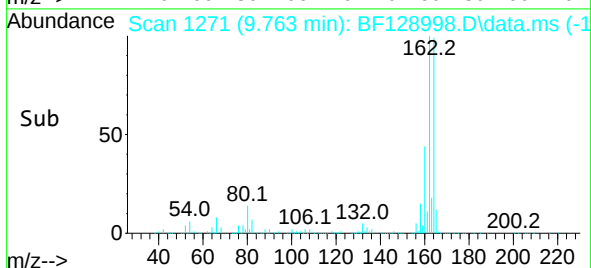
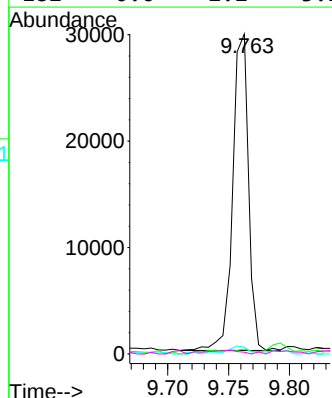
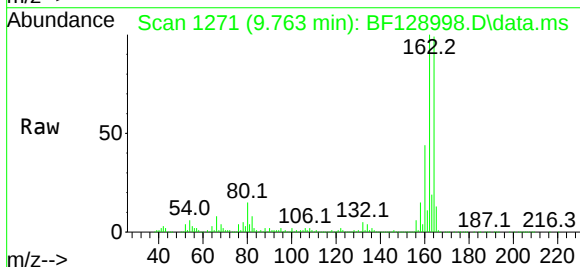
Instrument :
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SP-EXC-2-1

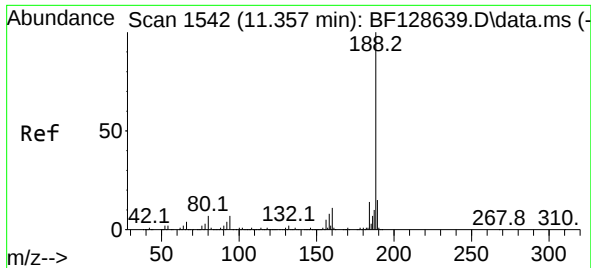
Tgt Ion:172 Resp: 337175
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.0 19.8 29.8



#57
2,4-Dinitrotoluene
Concen: 7.508 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.206 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:165 Resp: 26956
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 2.1 60.2 90.2#
182 0.6 2.2 3.2#

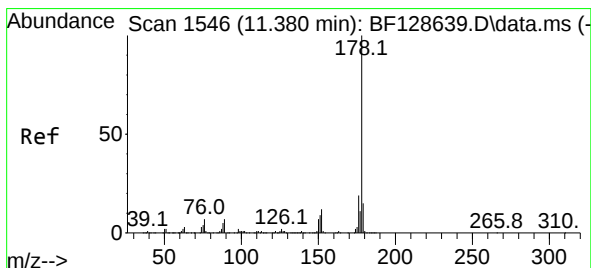
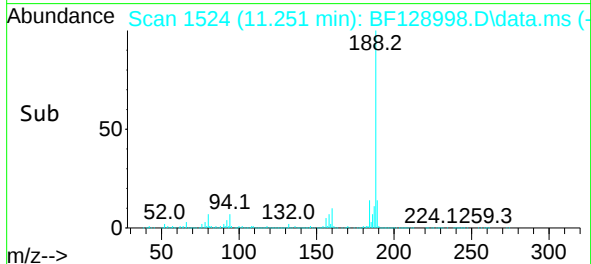
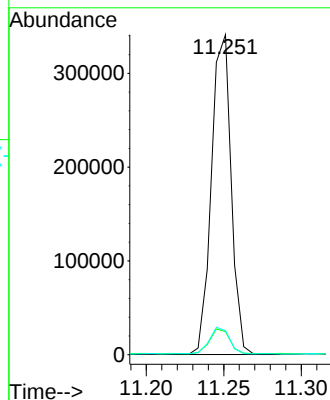
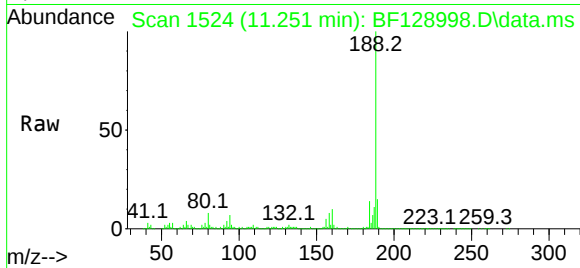




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

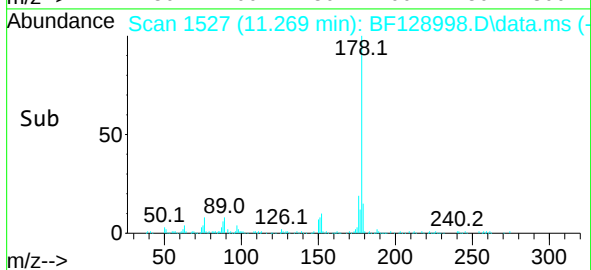
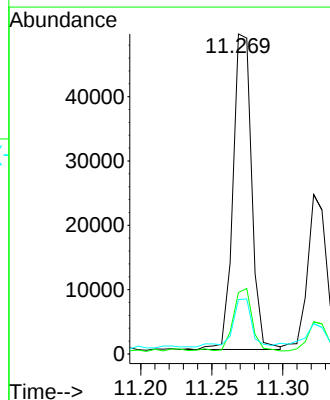
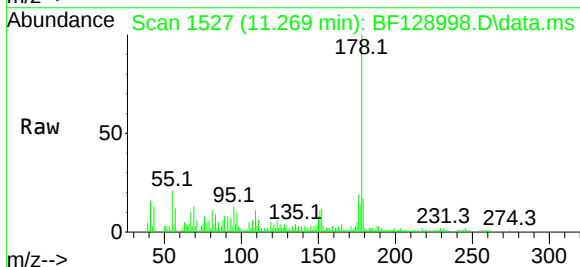
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SP-EXC-2-1

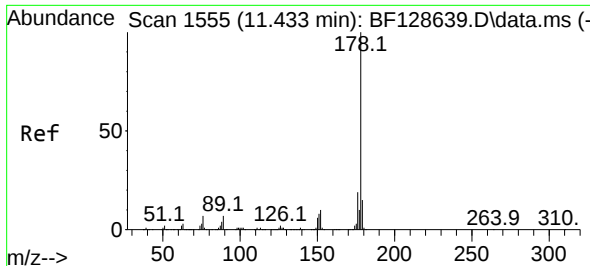
Tgt Ion:188 Resp: 302222
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.5 7.6 11.4#



#71
Phenanthrene
Concen: 2.950 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:178 Resp: 44725
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 17.0 12.6 19.0

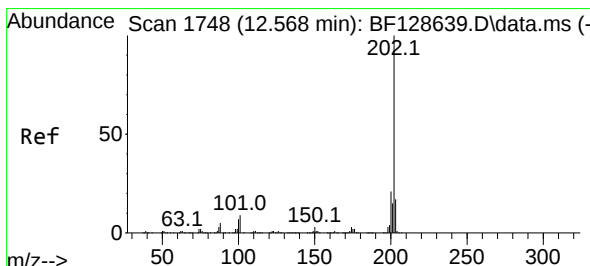
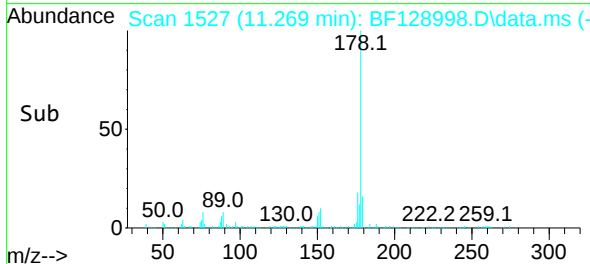
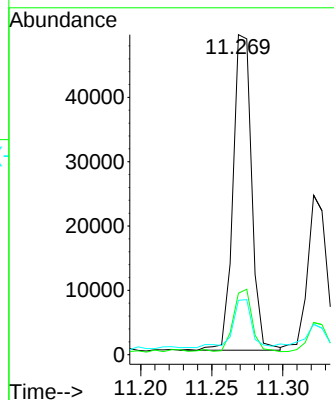
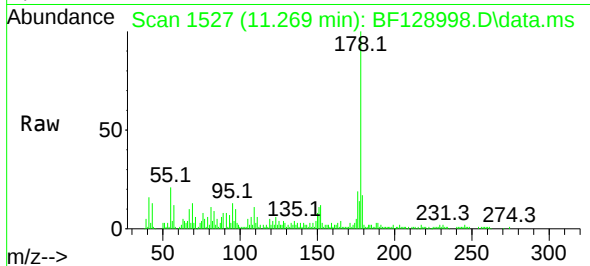




#72
 Anthracene
 Concen: 2.981 ng
 RT: 11.269 min Scan# 1729
 Delta R.T. -0.065 min
 Lab File: BF128998.D
 Acq: 24 Jun 2022 19:27

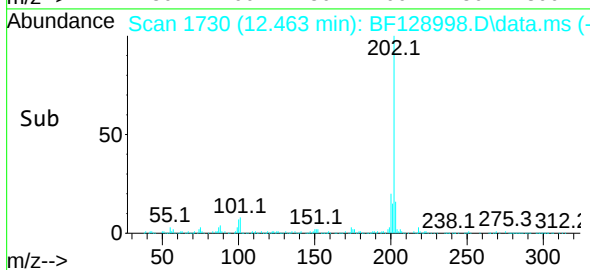
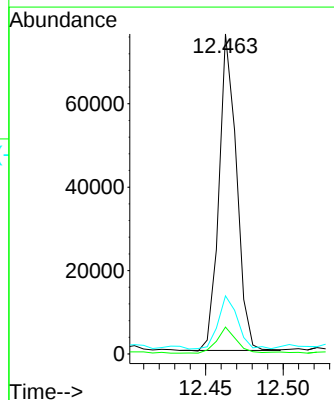
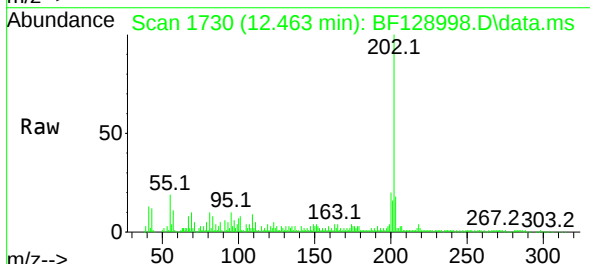
Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-1

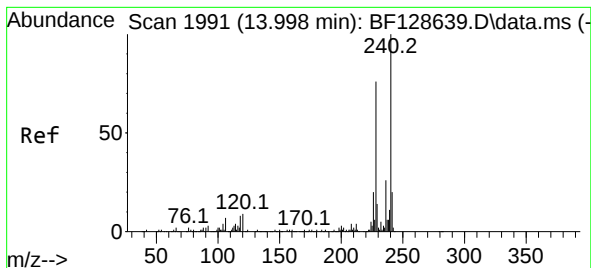
Tgt Ion:178 Resp: 44725
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 17.0 12.6 19.0



#75
 Fluoranthene
 Concen: 3.768 ng
 RT: 12.463 min Scan# 1730
 Delta R.T. -0.006 min
 Lab File: BF128998.D
 Acq: 24 Jun 2022 19:27

Tgt Ion:202 Resp: 59707
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 31.4
 203 18.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 1991

Delta R.T. 0.000 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

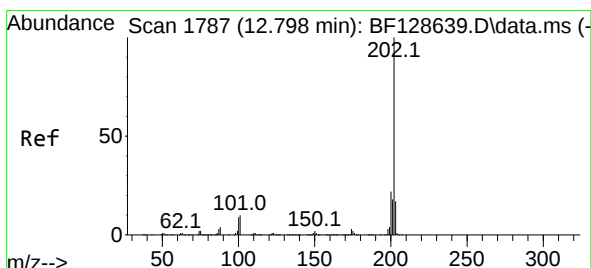
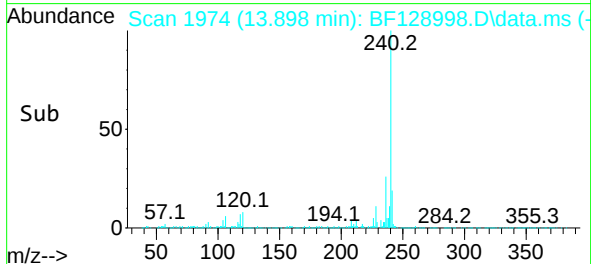
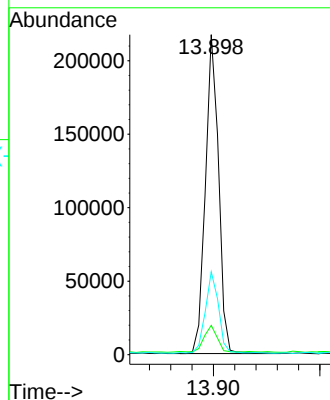
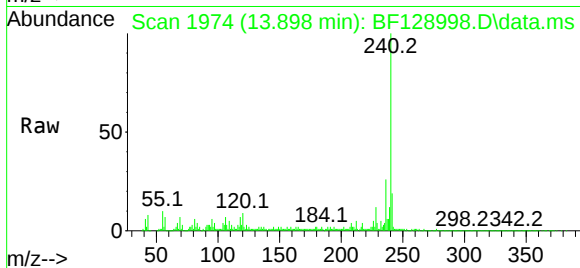
Tgt Ion:240 Resp: 187021

Ion Ratio Lower Upper

240 100

120 9.1 8.9 13.3

236 25.9 20.8 31.2



#78

Pyrene

Concen: 4.291 ng

RT: 12.463 min Scan# 1730

Delta R.T. -0.235 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

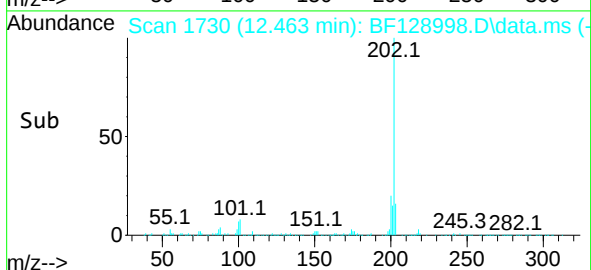
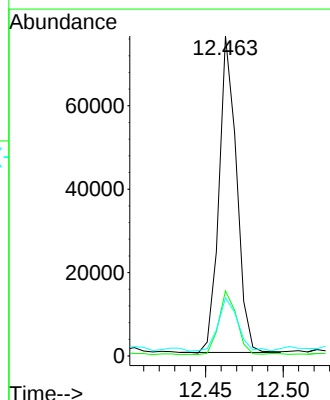
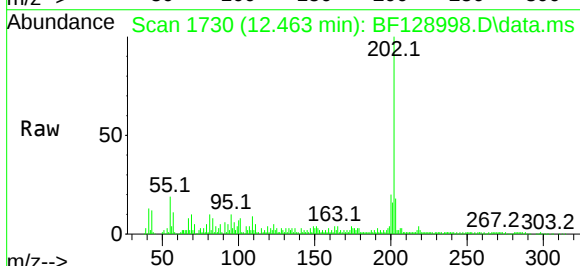
Tgt Ion:202 Resp: 59707

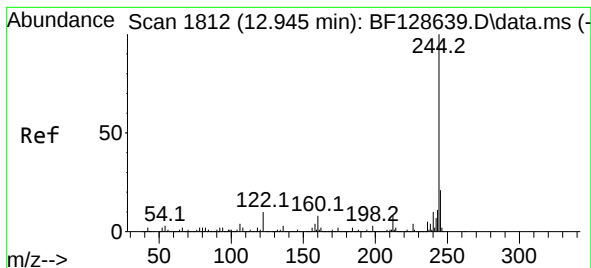
Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 19.819 ng

RT: 12.839 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

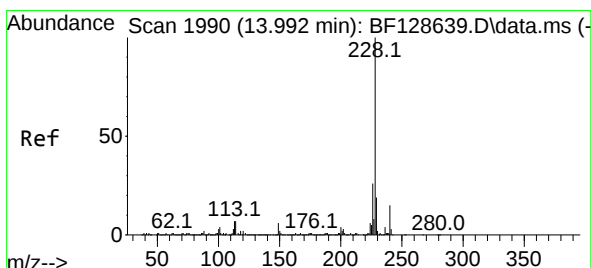
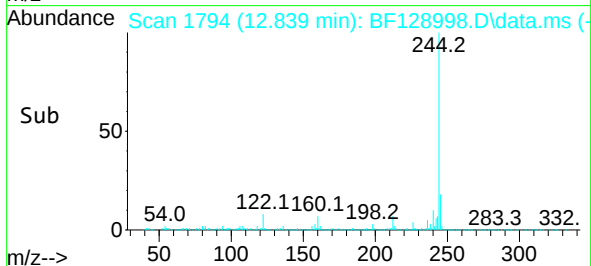
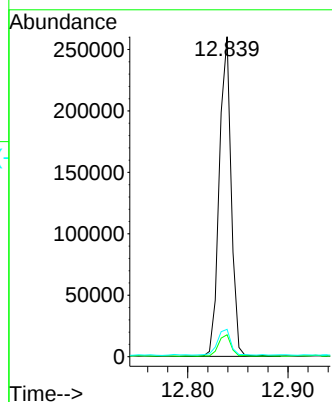
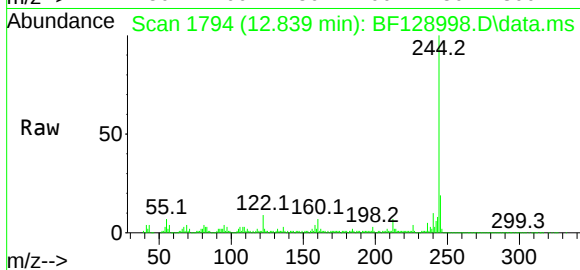
Tgt Ion:244 Resp: 213306

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 8.6 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 6.873 ng

RT: 13.886 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

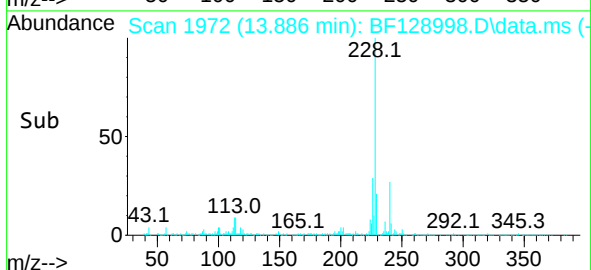
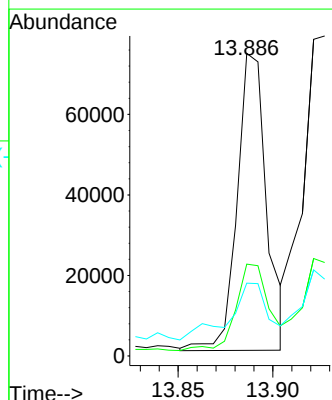
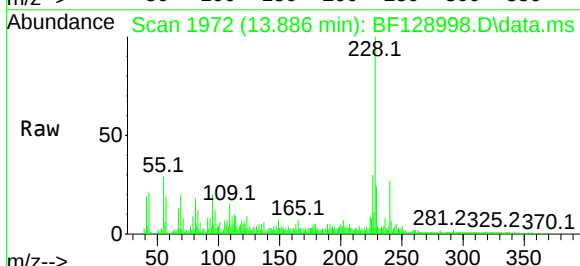
Tgt Ion:228 Resp: 80126

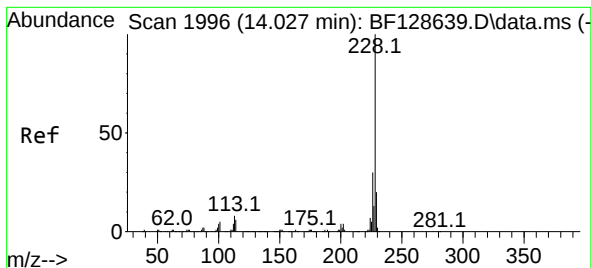
Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

229 24.1 15.8 23.8#





#83

Chrysene

Concen: 7.826 ng

RT: 13.927 min Scan# 1996

Delta R.T. 0.000 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

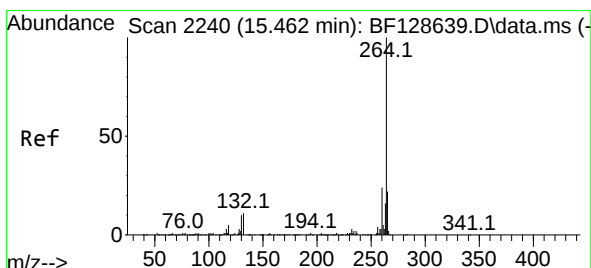
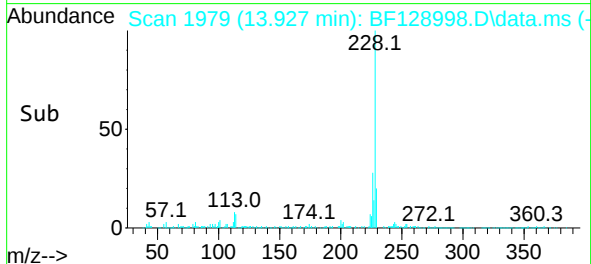
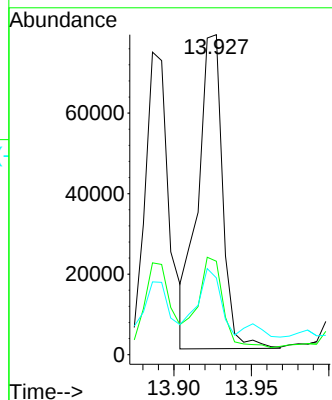
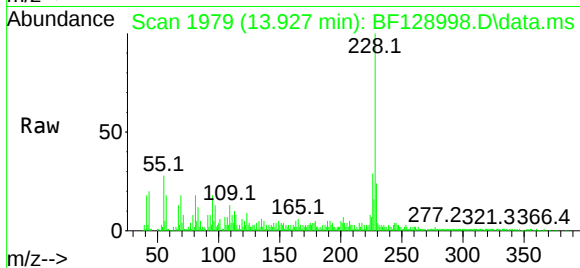
Tgt Ion:228 Resp: 86974

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

229 24.0 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2220

Delta R.T. 0.018 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

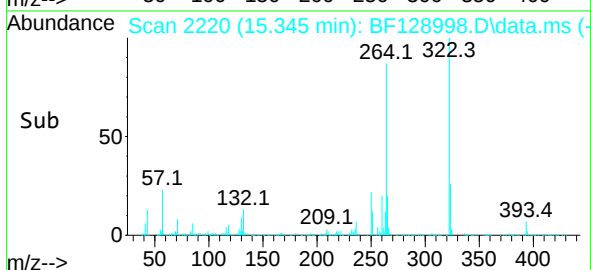
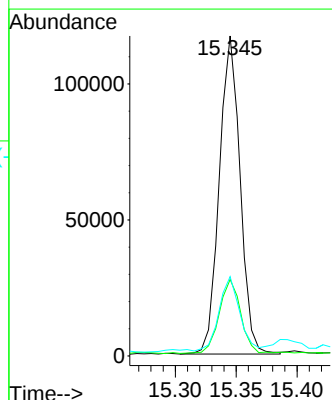
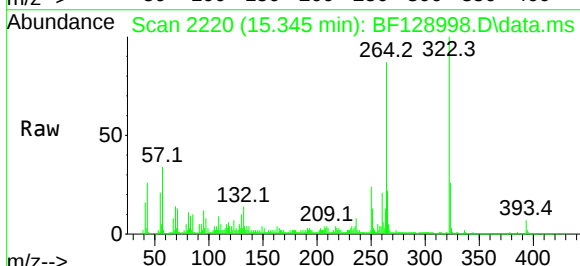
Tgt Ion:264 Resp: 139271

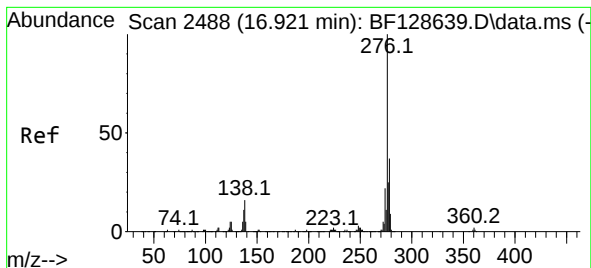
Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 24.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.597 ng

RT: 16.762 min Scan# 24

Delta R.T. 0.018 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

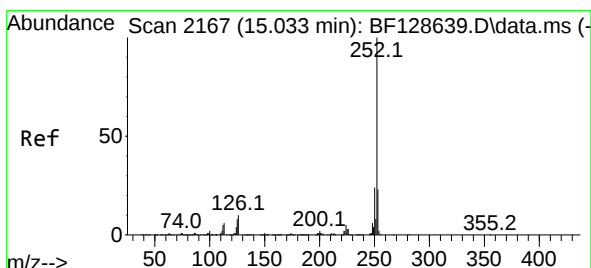
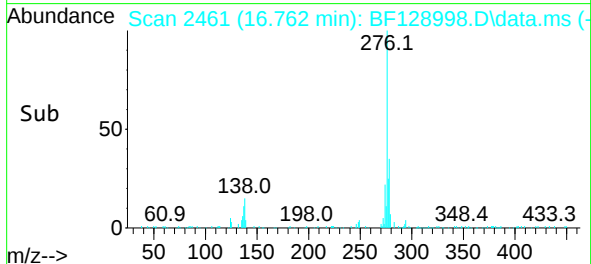
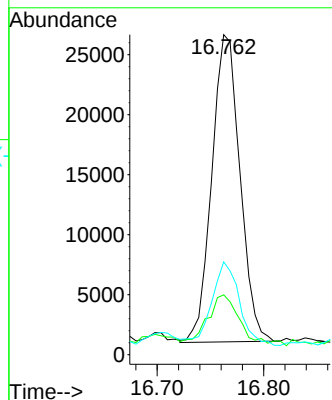
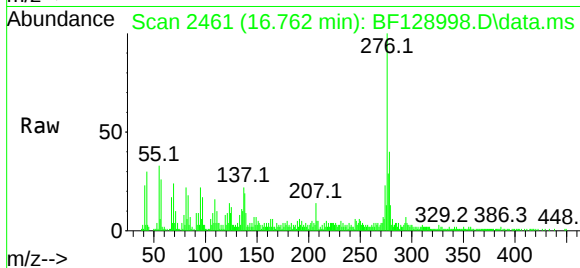
Tgt Ion:276 Resp: 46981

Ion Ratio Lower Upper

276 100

138 19.4 21.1 31.7#

277 26.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.039 ng

RT: 14.933 min Scan# 2150

Delta R.T. 0.012 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

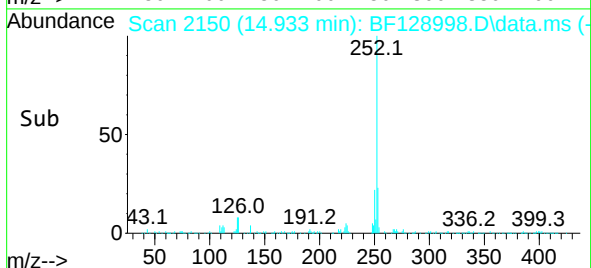
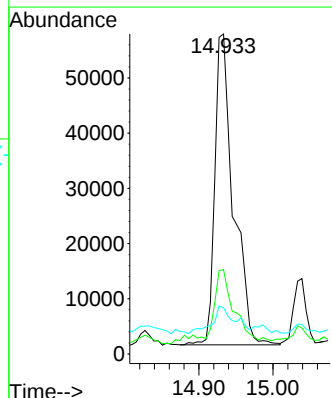
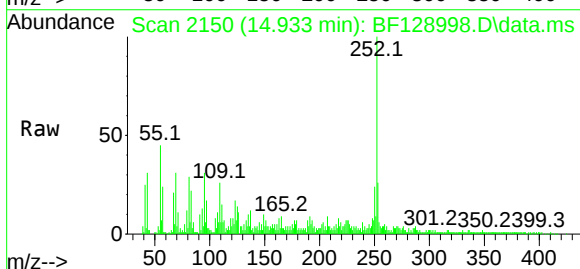
Tgt Ion:252 Resp: 98235

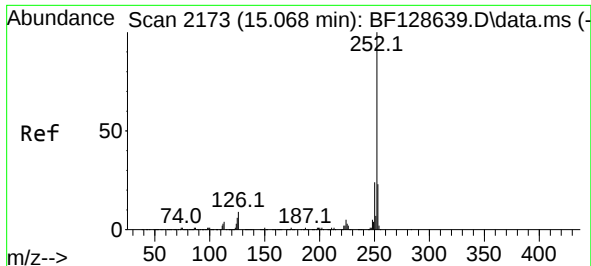
Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 14.5 8.0 12.0#

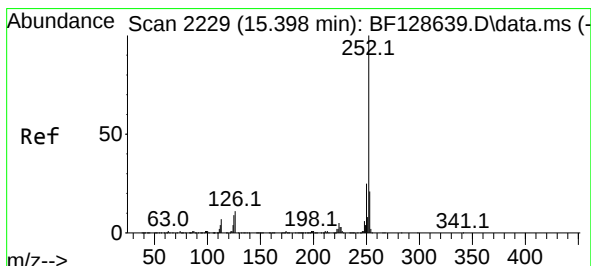
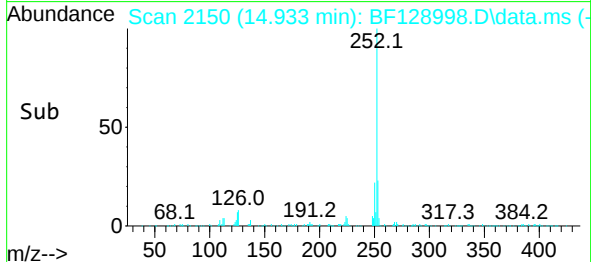
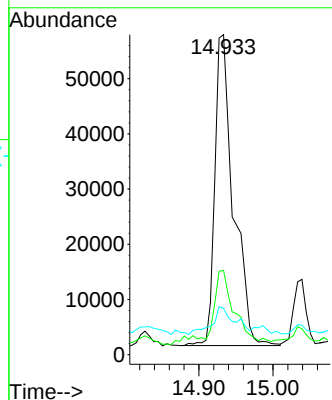
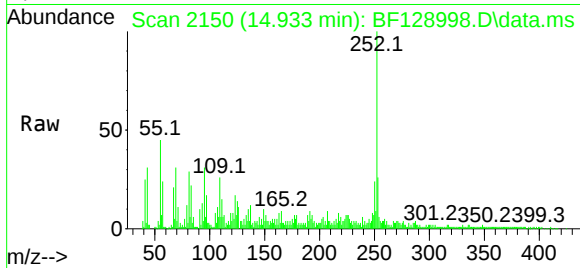




#89
Benzo(k)fluoranthene
Concen: 11.735 ng
RT: 14.933 min Scan# 2173
Delta R.T. -0.018 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

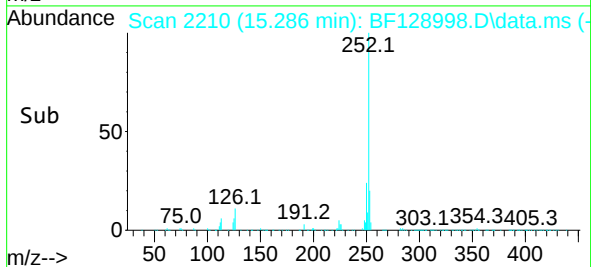
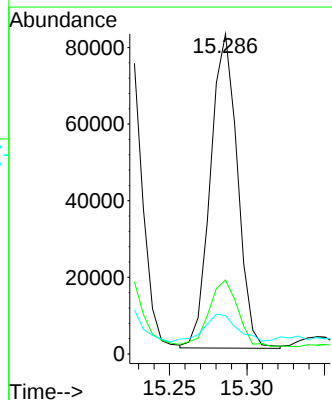
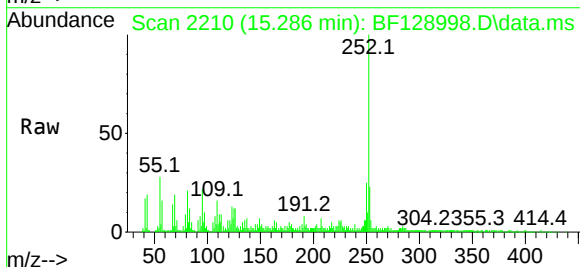
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

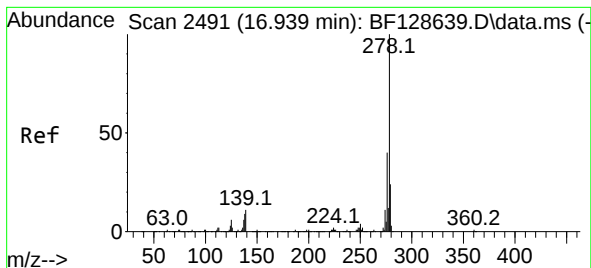
Tgt Ion:252 Resp: 98235
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.6
125 14.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 14.178 ng
RT: 15.286 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:252 Resp: 99165
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 12.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.084 ng

RT: 16.762 min Scan# 2491

Delta R.T. 0.012 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

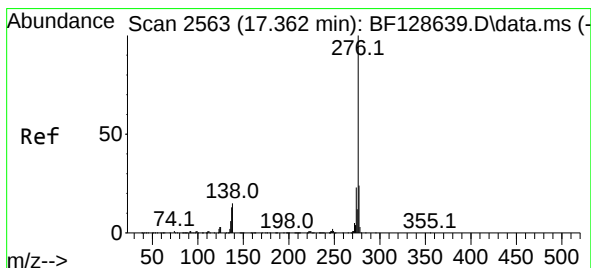
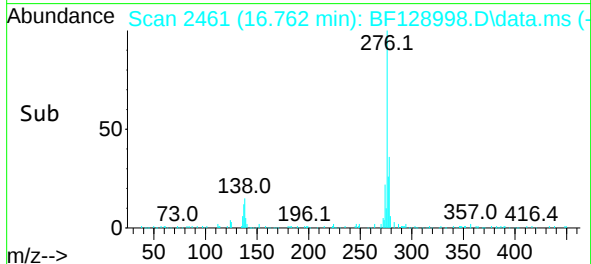
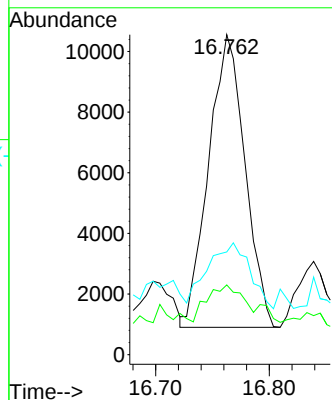
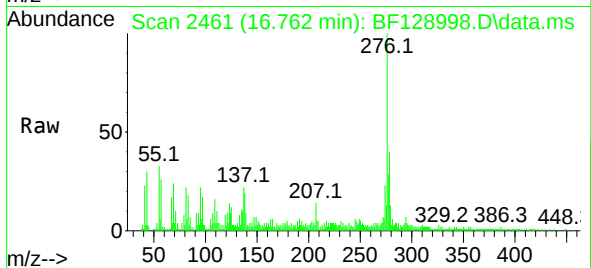
Tgt Ion:278 Resp: 21470

Ion Ratio Lower Upper

278 100

139 21.8 12.8 19.2#

279 32.1 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 2.334 ng

RT: 17.439 min Scan# 2576

Delta R.T. 0.271 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Tgt Ion:276 Resp: 16105

Ion Ratio Lower Upper

276 100

277 26.6 19.1 28.7

138 26.4 18.0 27.0

