

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128725.D
 Acq On : 07 Jun 2022 19:46
 Operator : CG\JU
 Sample : N3197-03DL 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

Quant Time: Jun 08 00:27:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

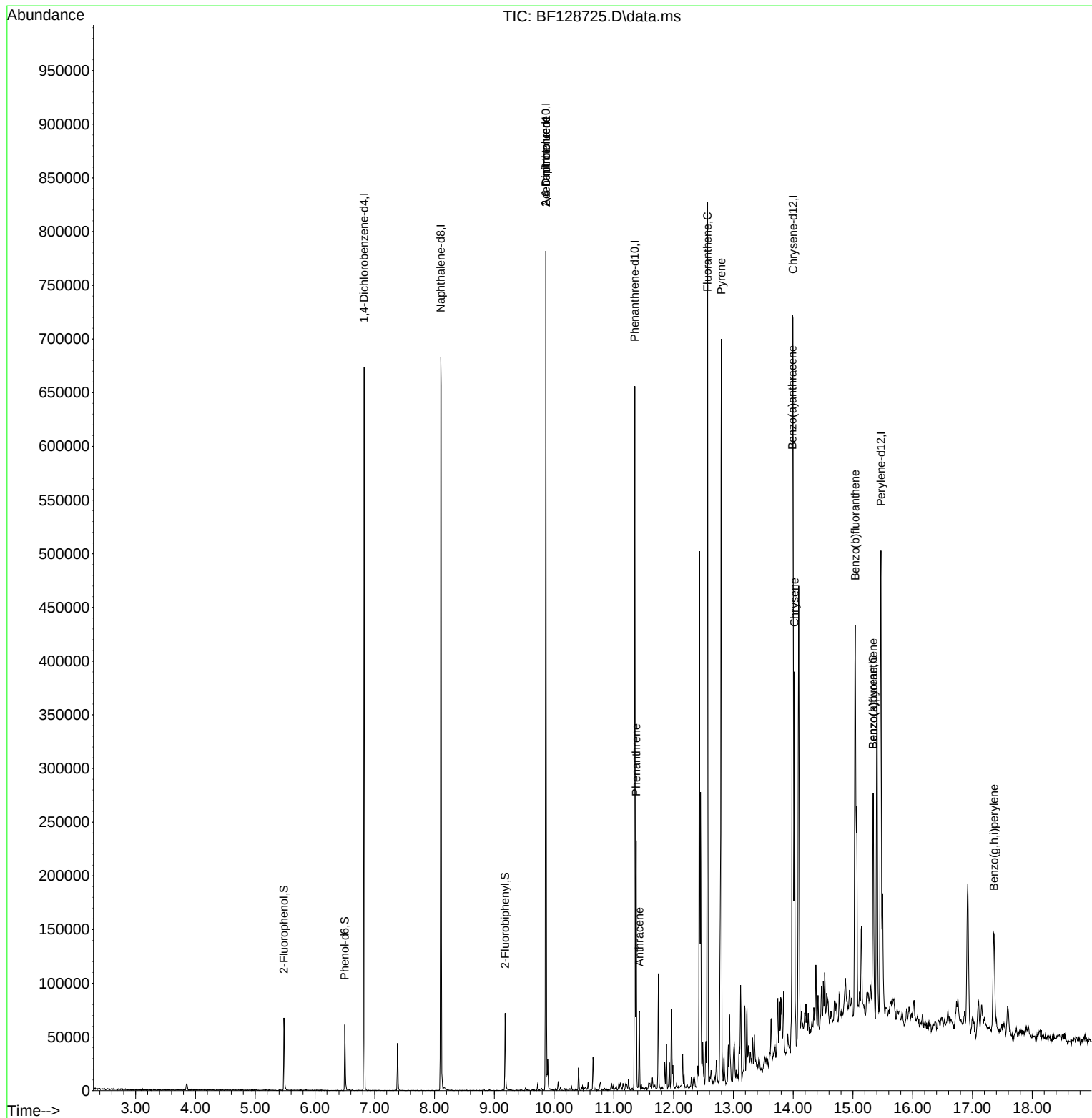
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	80620	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	288856	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	147669	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	220284	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	186322	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	202773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	16273	3.215	ng	0.00
7) Phenol-d6	6.498	99	17427	2.821	ng	0.00
23) Nitrobenzene-d5	7.381	82	12054	1.943	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	3436	1.969	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	24139	2.290	ng	-0.01
79) Terphenyl-d14	12.933	244	18567	1.732	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.863	165	18474	9.260	ng	# 26
57) 2,4-Dinitrotoluene	9.863	165	18474	6.939	ng	# 21
71) Phenanthrene	11.374	178	74752	6.766	ng	99
72) Anthracene	11.427	178	31094	2.843	ng	99
75) Fluoranthene	12.569	202	313305	27.127	ng	95
78) Pyrene	12.798	202	277726	20.035	ng	97
81) Benzo(a)anthracene	13.986	228	165914	14.286	ng	99
83) Chrysene	14.021	228	123199	11.126	ng	98
88) Benzo(b)fluoranthene	15.039	252	277369	21.407	ng	# 98
89) Benzo(k)fluoranthene	15.339	252	90287	7.408	ng	99
90) Benzo(a)pyrene	15.339	252	93770	9.208	ng	99
92) Benzo(g,h,i)perylene	17.362	276	79595	7.922	ng	# 92

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

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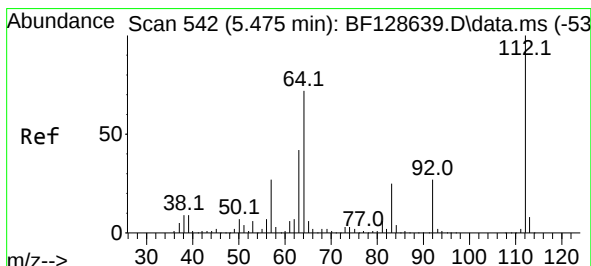
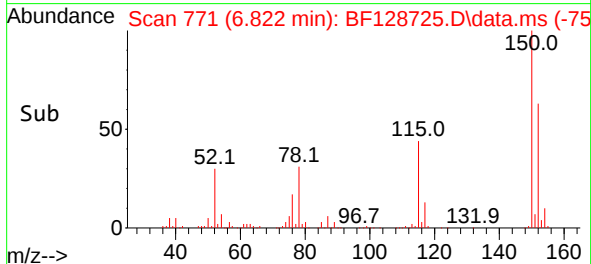
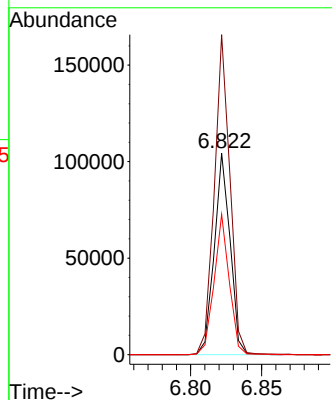
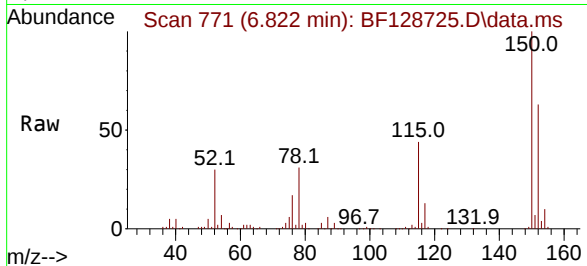




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

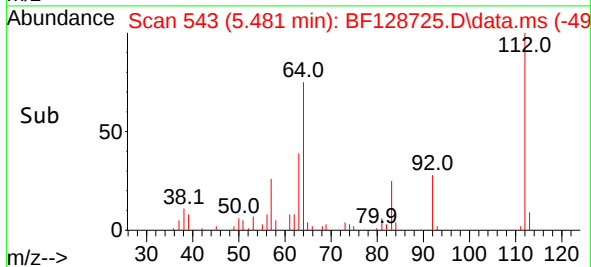
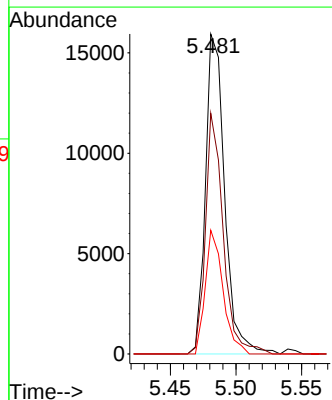
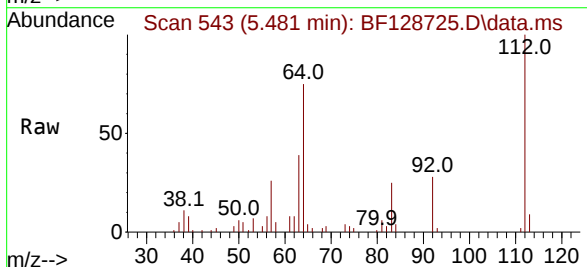
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Tgt Ion:152 Resp: 80620
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 69.7 49.9 74.9



#5
2-Fluorophenol
Concen: 3.215 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:112 Resp: 16273
Ion Ratio Lower Upper
112 100
64 75.2 53.3 79.9
63 38.7 28.0 42.0

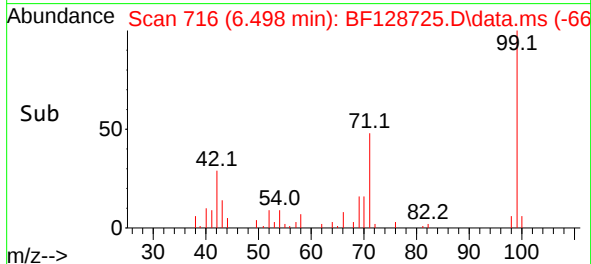
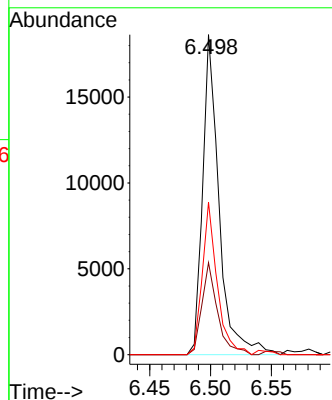
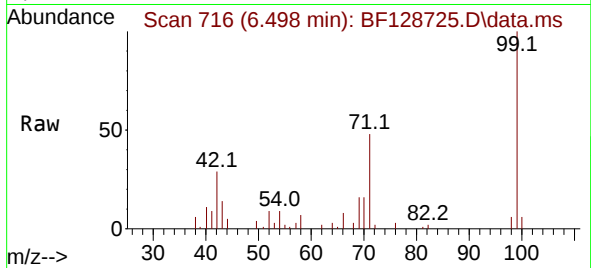




#7
Phenol-d6
Concen: 2.821 ng
RT: 6.498 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

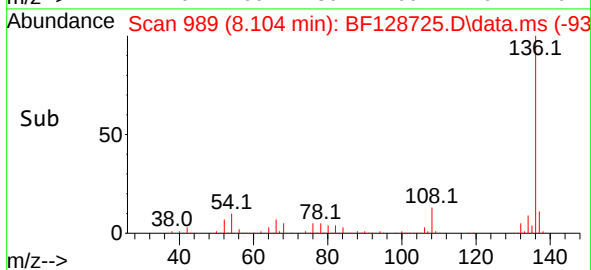
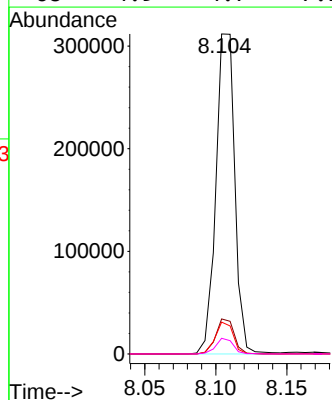
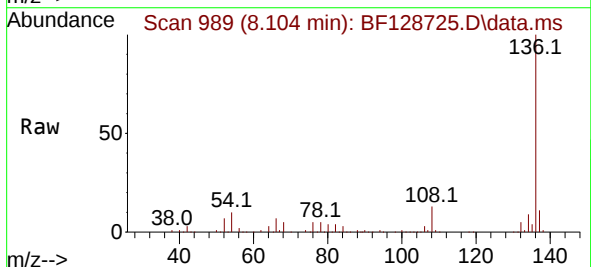
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Tgt Ion: 99 Resp: 17427
Ion Ratio Lower Upper
99 100
42 28.7 17.3 25.9#
71 47.6 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion: 136 Resp: 288856
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.0 7.5 11.3
68 4.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 1.943 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.011 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

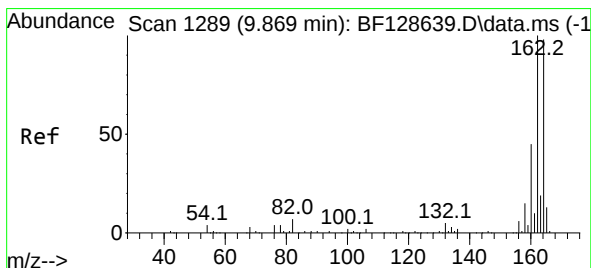
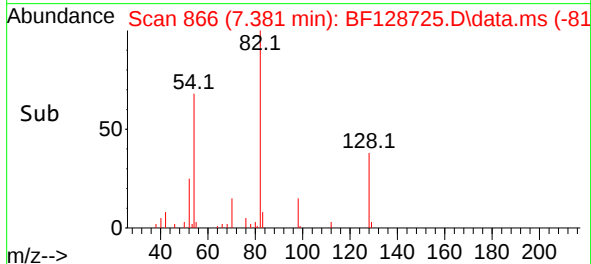
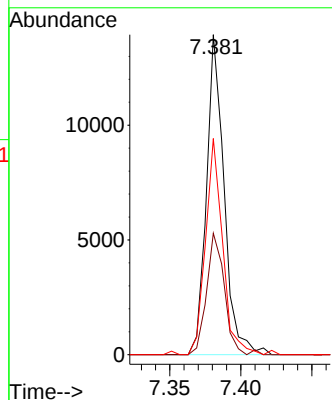
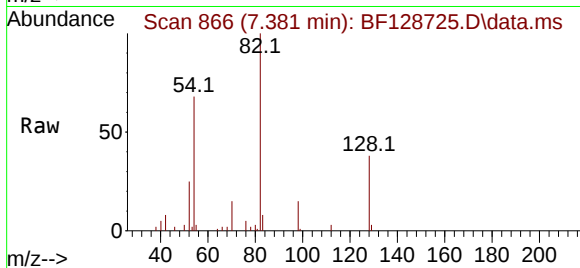
Tgt Ion: 82 Resp: 12054

Ion Ratio Lower Upper

82 100

128 37.9 34.0 51.0

54 67.5 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

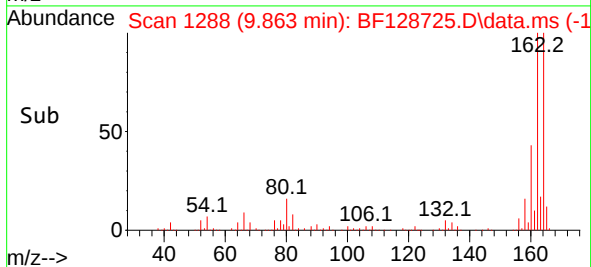
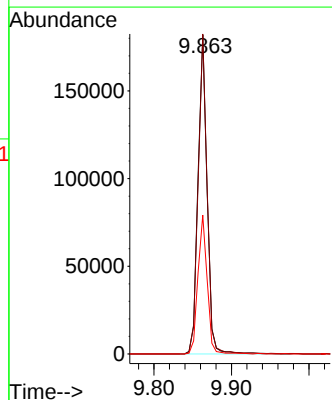
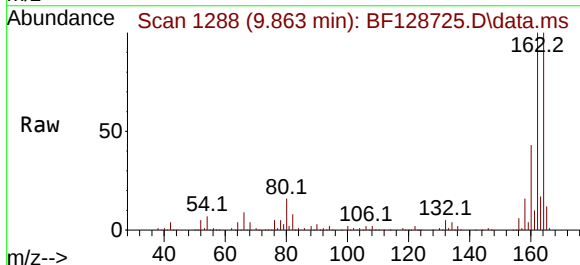
Tgt Ion:164 Resp: 147669

Ion Ratio Lower Upper

164 100

162 100.3 79.5 119.3

160 43.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 1.969 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128725.D

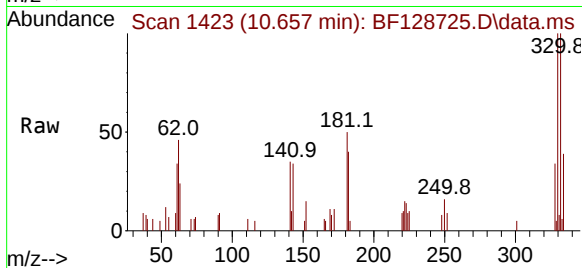
Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL



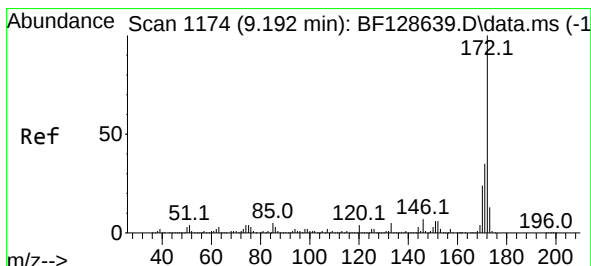
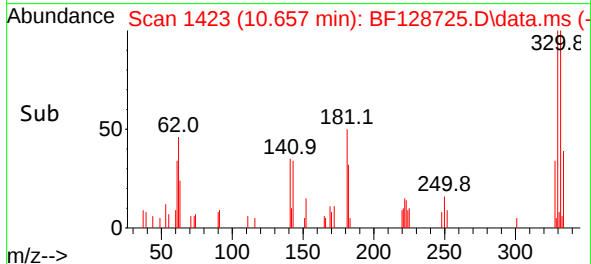
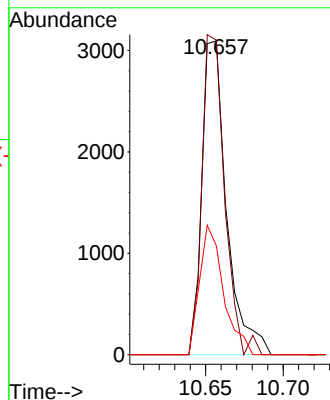
Tgt Ion:330 Resp: 3436

Ion Ratio Lower Upper

330 100

332 93.2 76.8 115.2

141 39.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 2.290 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

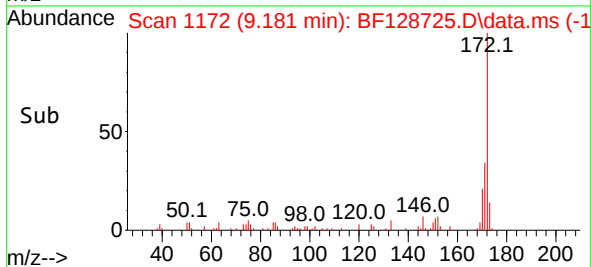
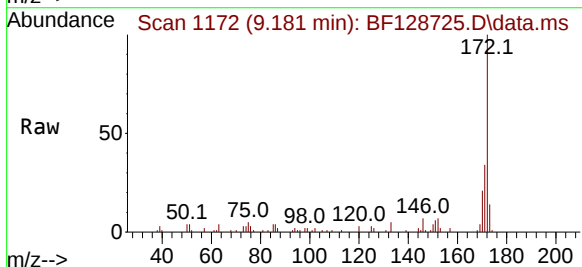
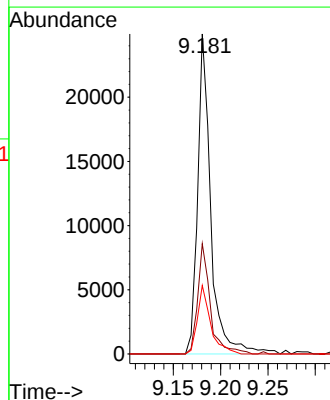
Tgt Ion:172 Resp: 24139

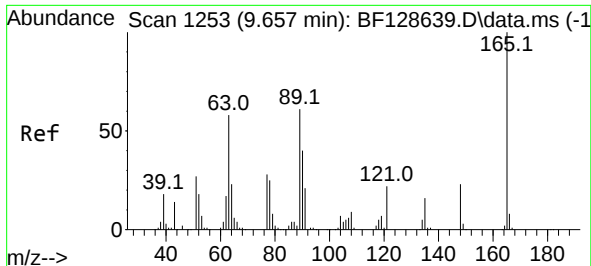
Ion Ratio Lower Upper

172 100

171 34.5 28.8 43.2

170 21.4 19.8 29.8

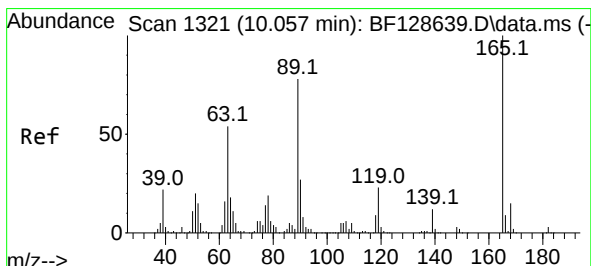
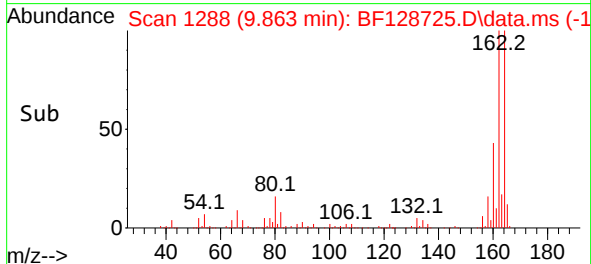
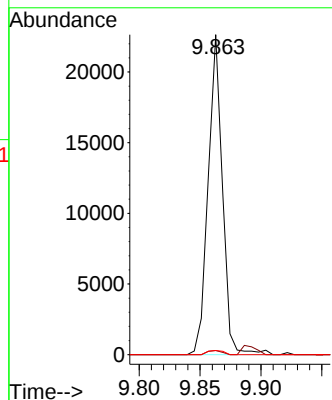
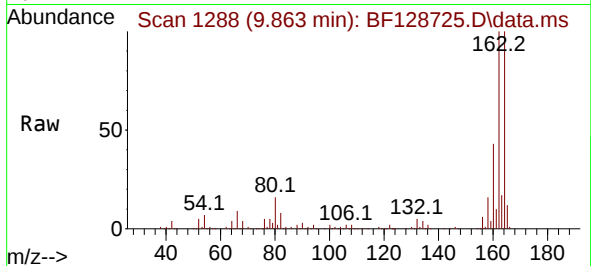




#51
2,6-Dinitrotoluene
Concen: 9.260 ng
RT: 9.863 min Scan# 1288
Delta R.T. 0.206 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

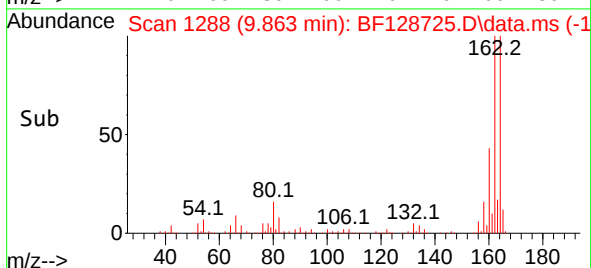
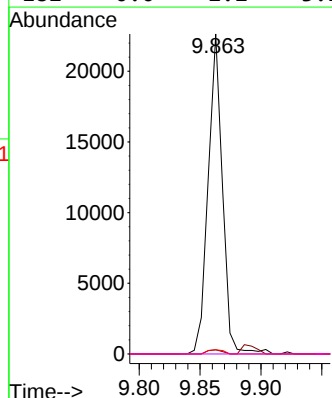
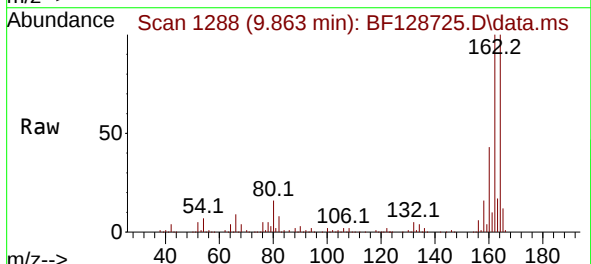
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

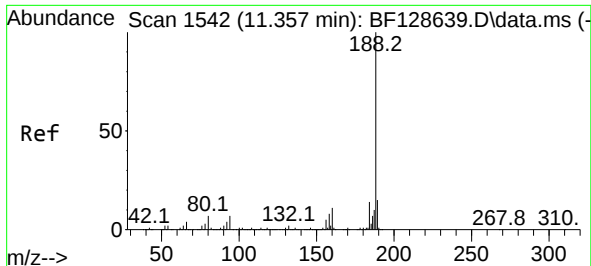
Tgt Ion:165 Resp: 18474
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.3 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.939 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.194 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:165 Resp: 18474
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.3 60.2 90.2#
182 0.0 2.2 3.2#

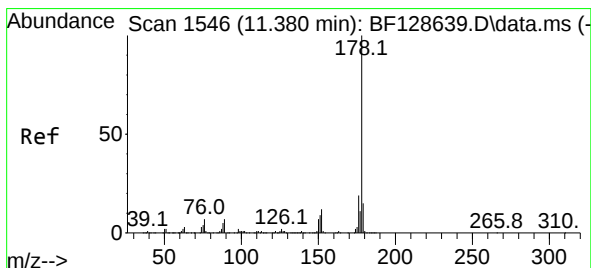
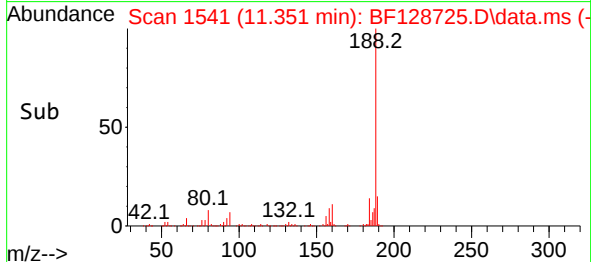
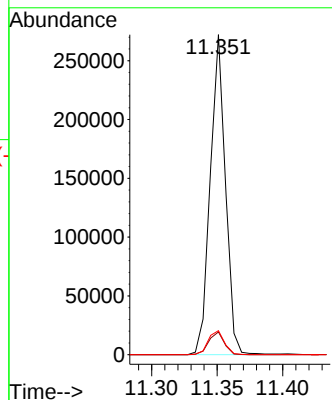
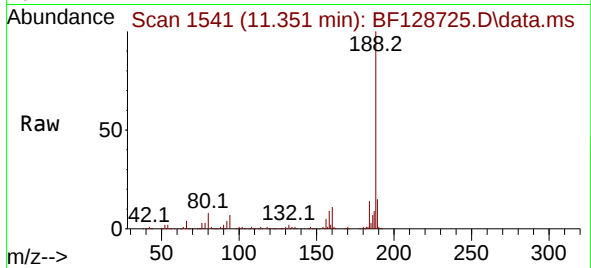




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

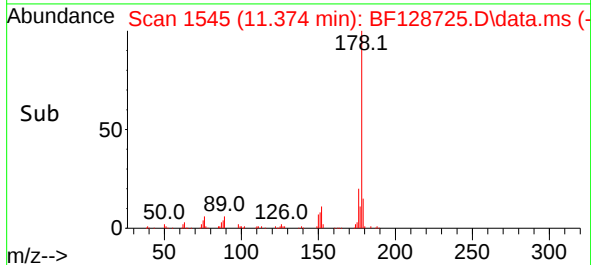
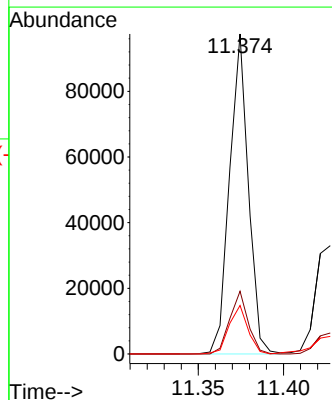
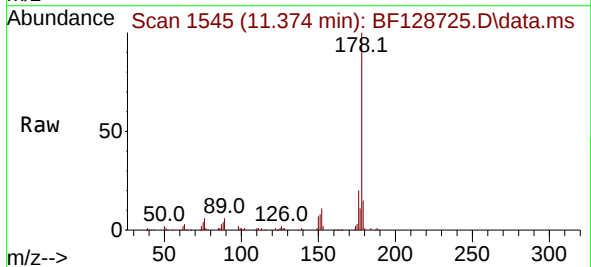
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

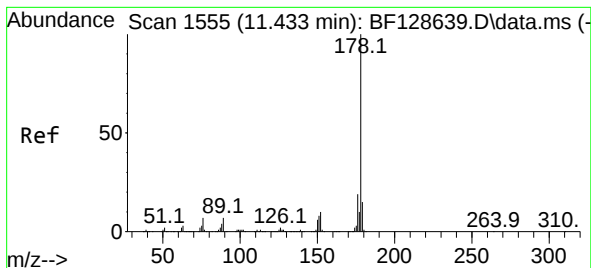
Tgt Ion:188 Resp: 220284
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.6
80 7.5 7.6 11.4#



#71
Phenanthrene
Concen: 6.766 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:178 Resp: 74752
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.1 12.6 19.0





#72

Anthracene

Concen: 2.843 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

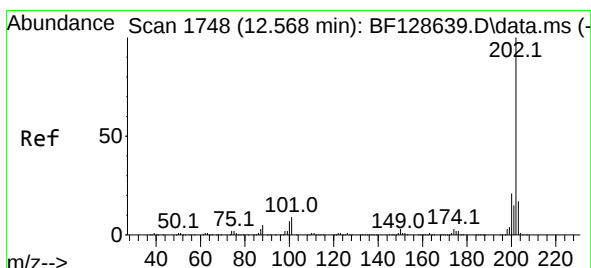
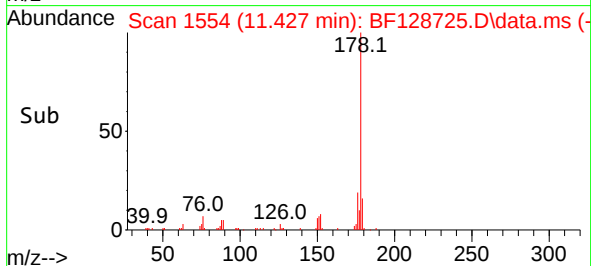
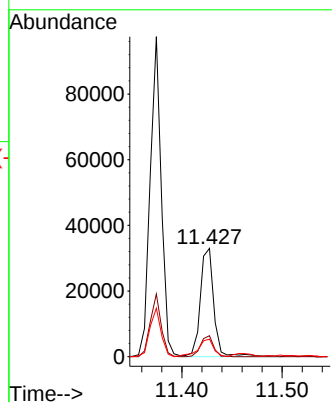
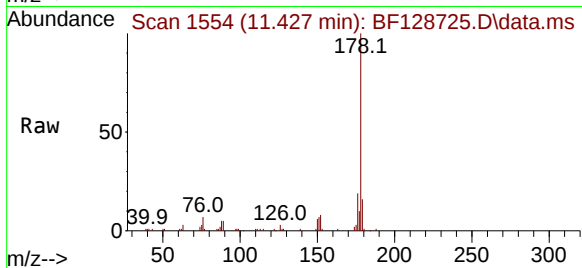
Tgt Ion:178 Resp: 31094

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.2 12.6 19.0



#75

Fluoranthene

Concen: 27.127 ng

RT: 12.569 min Scan# 1748

Delta R.T. 0.000 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

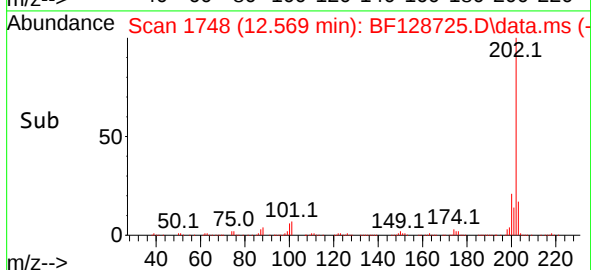
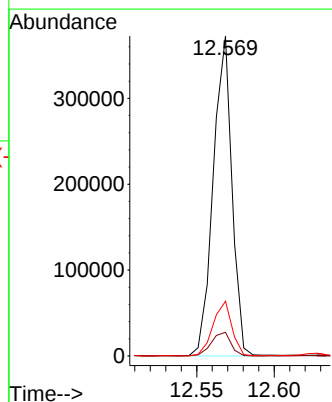
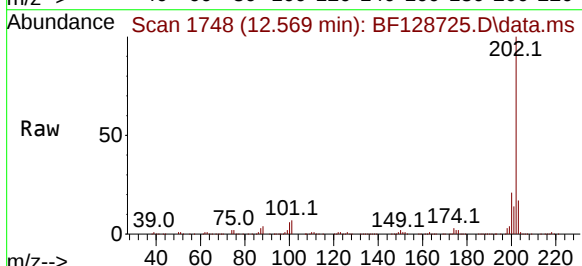
Tgt Ion:202 Resp: 313305

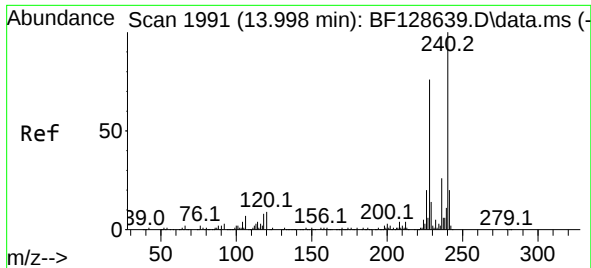
Ion Ratio Lower Upper

202 100

101 7.4 0.0 31.4

203 17.1 0.0 38.0

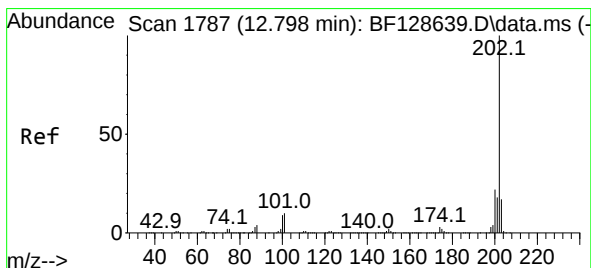
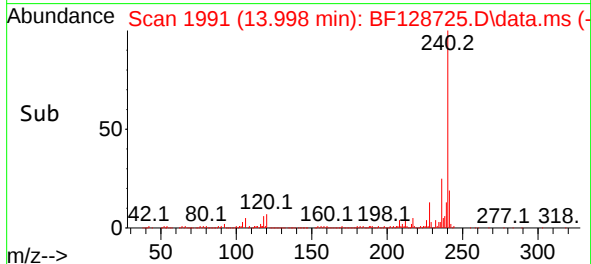
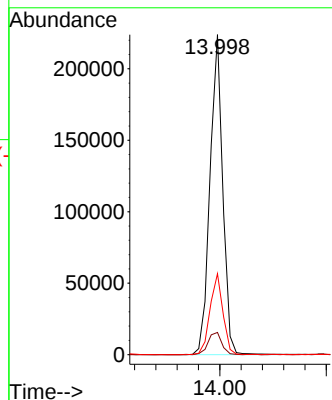
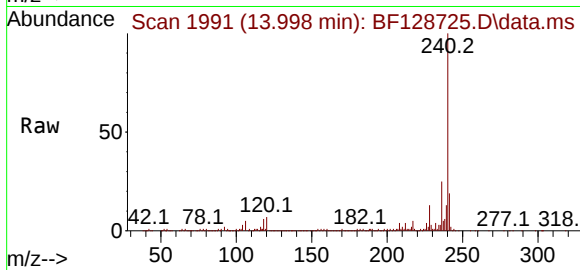




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

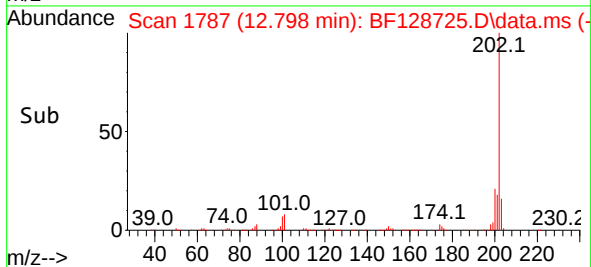
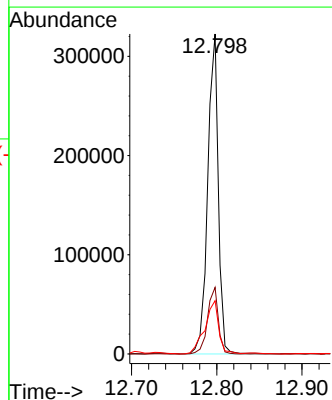
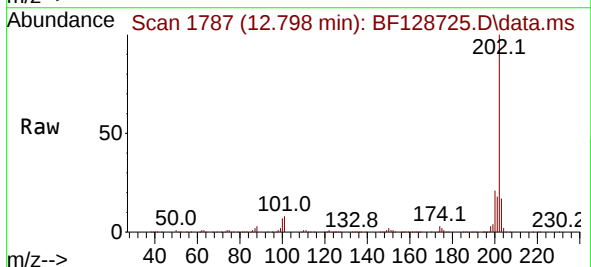
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

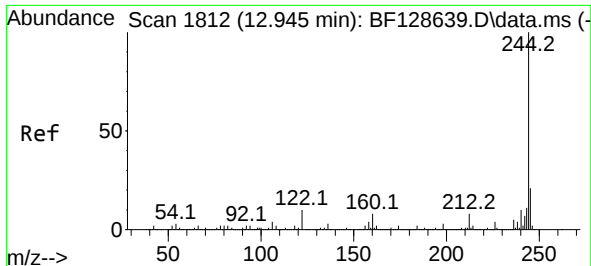
Tgt Ion:240 Resp: 186322
Ion Ratio Lower Upper
240 100
120 7.0 8.9 13.3#
236 25.3 20.8 31.2



#78
Pyrene
Concen: 20.035 ng
RT: 12.798 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:202 Resp: 277726
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 16.7 14.6 21.8

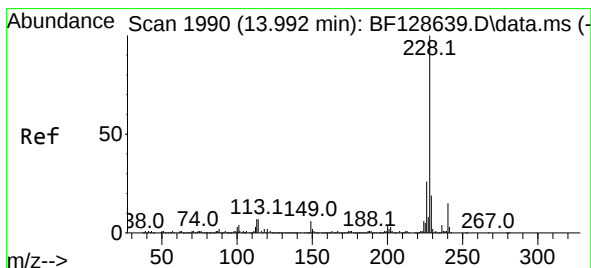
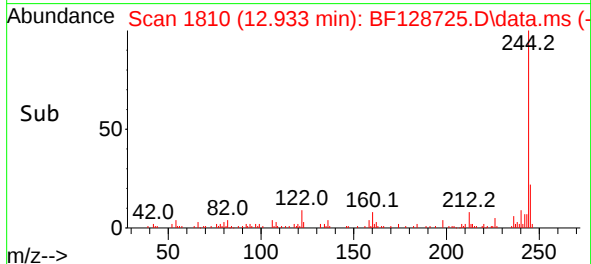
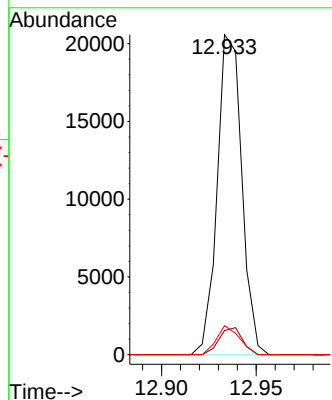
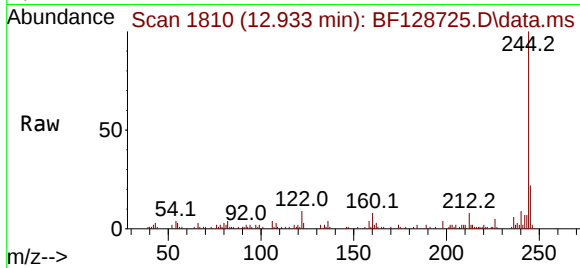




#79
 Terphenyl-d14
 Concen: 1.732 ng
 RT: 12.933 min Scan# 1810
 Delta R.T. -0.012 min
 Lab File: BF128725.D
 Acq: 07 Jun 2022 19:46

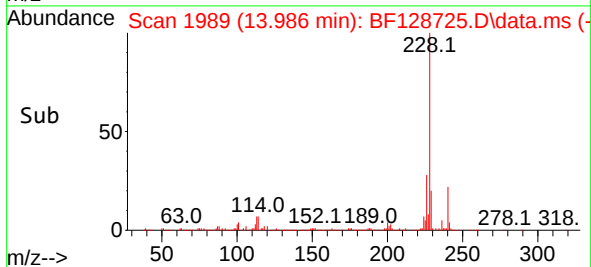
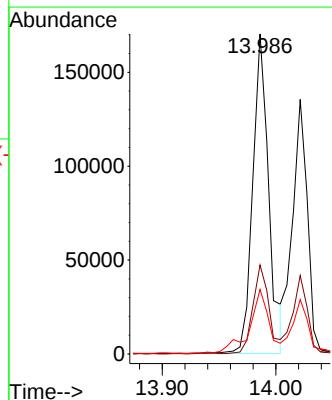
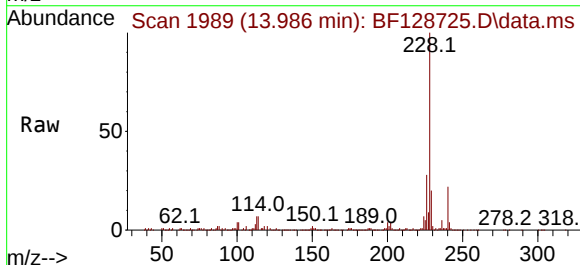
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

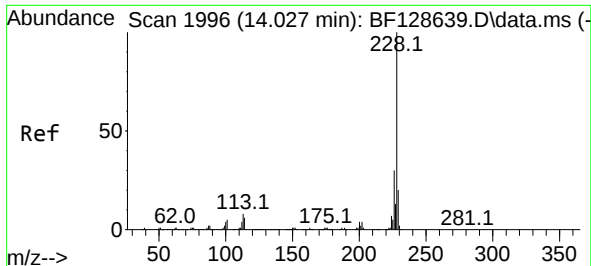
Tgt Ion:244 Resp: 18567
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 9.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 14.286 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128725.D
 Acq: 07 Jun 2022 19:46

Tgt Ion:228 Resp: 165914
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 20.2 15.8 23.8

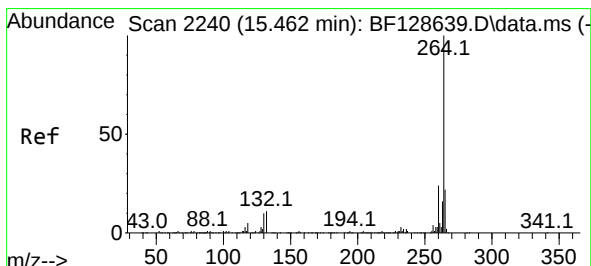
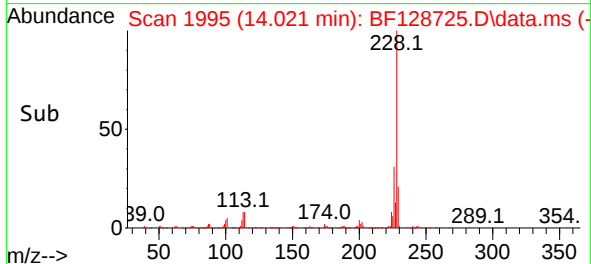
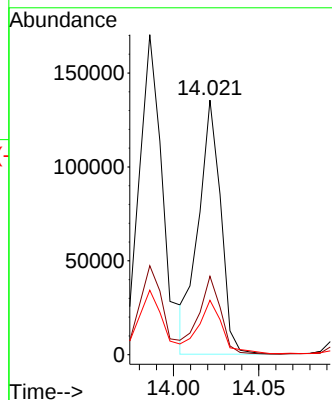
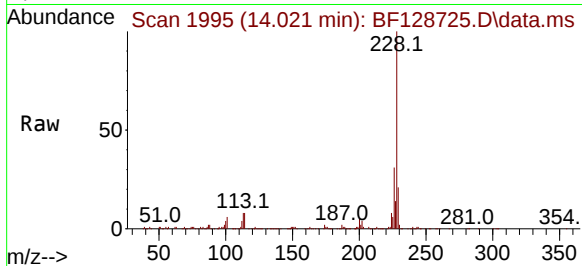




#83
Chrysene
Concen: 11.126 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

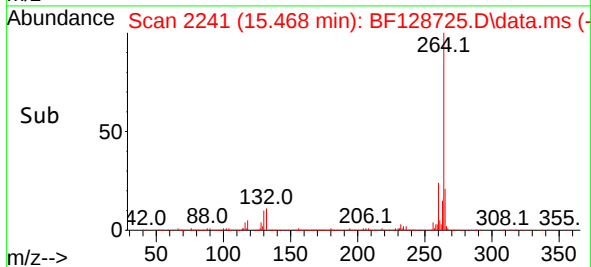
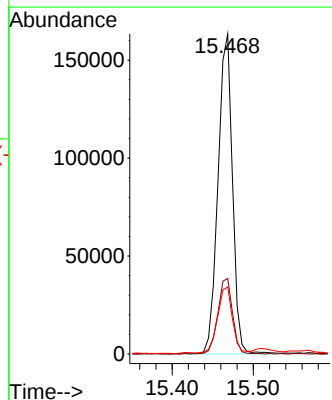
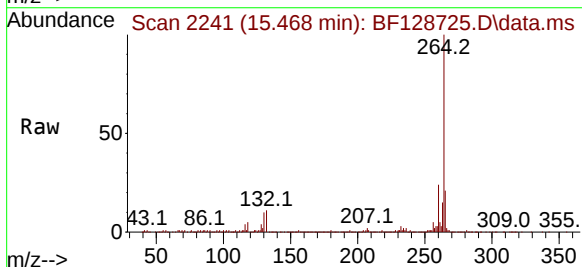
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

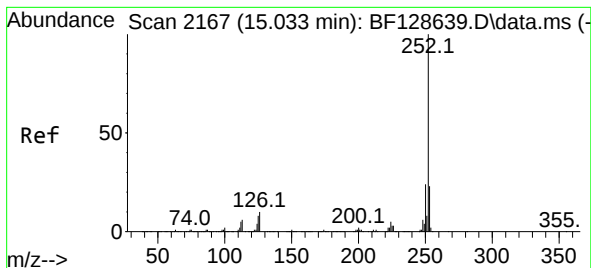
Tgt Ion:228 Resp: 123199
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.4 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:264 Resp: 202773
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.0 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 21.407 ng

RT: 15.039 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

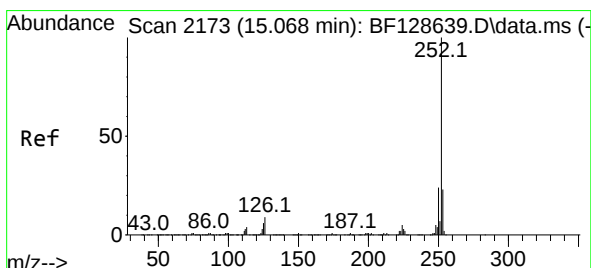
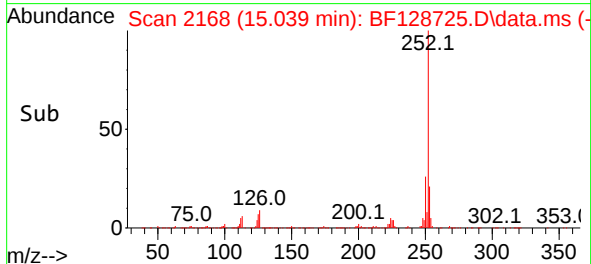
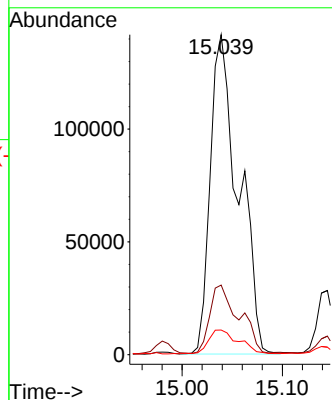
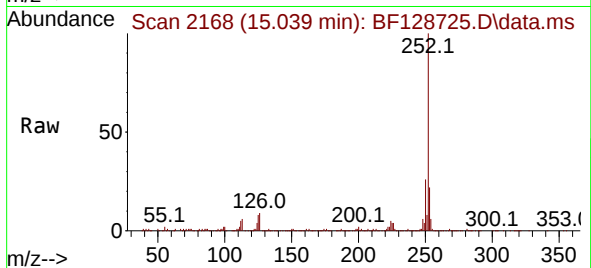
Tgt Ion:252 Resp: 277369

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 7.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 7.408 ng

RT: 15.339 min Scan# 2219

Delta R.T. 0.271 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

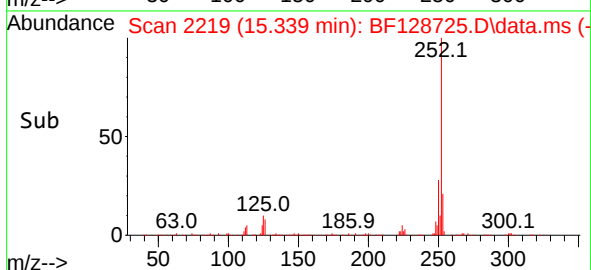
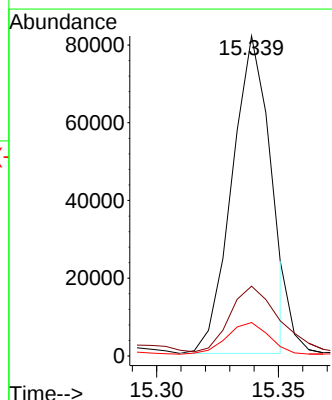
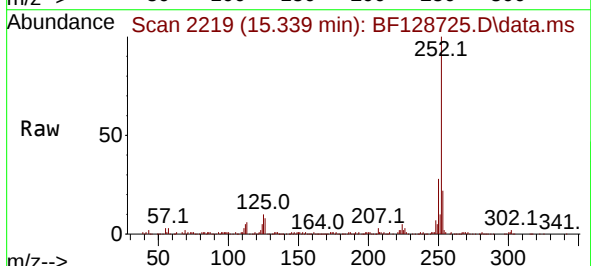
Tgt Ion:252 Resp: 90287

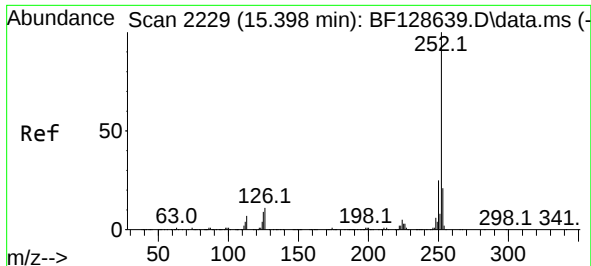
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.4 8.3 12.5

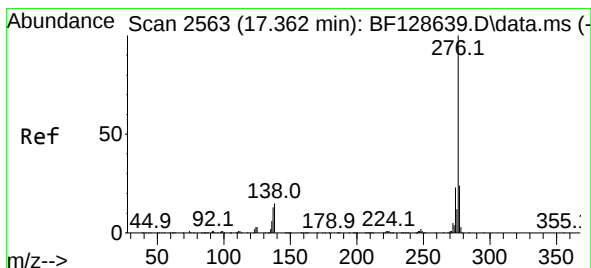
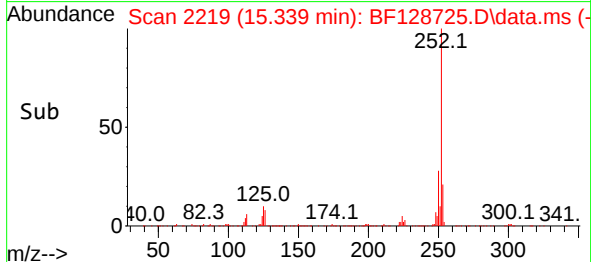
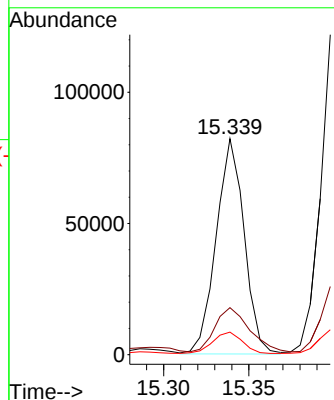
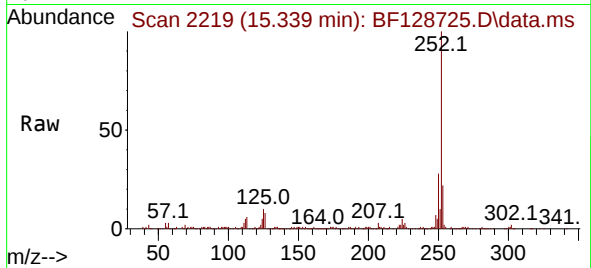




#90
Benzo(a)pyrene
Concen: 9.208 ng
RT: 15.339 min Scan# 219
Delta R.T. -0.059 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Tgt Ion:252 Resp: 93770
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 10.4 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 7.922 ng
RT: 17.362 min Scan# 2563
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:276 Resp: 79595
Ion Ratio Lower Upper
276 100
277 22.6 19.1 28.7
138 16.2 18.0 27.0#

