

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128732.D
 Acq On : 08 Jun 2022 13:31
 Operator : CG\JU
 Sample : N3197-03DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

Quant Time: Jun 08 14:30:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

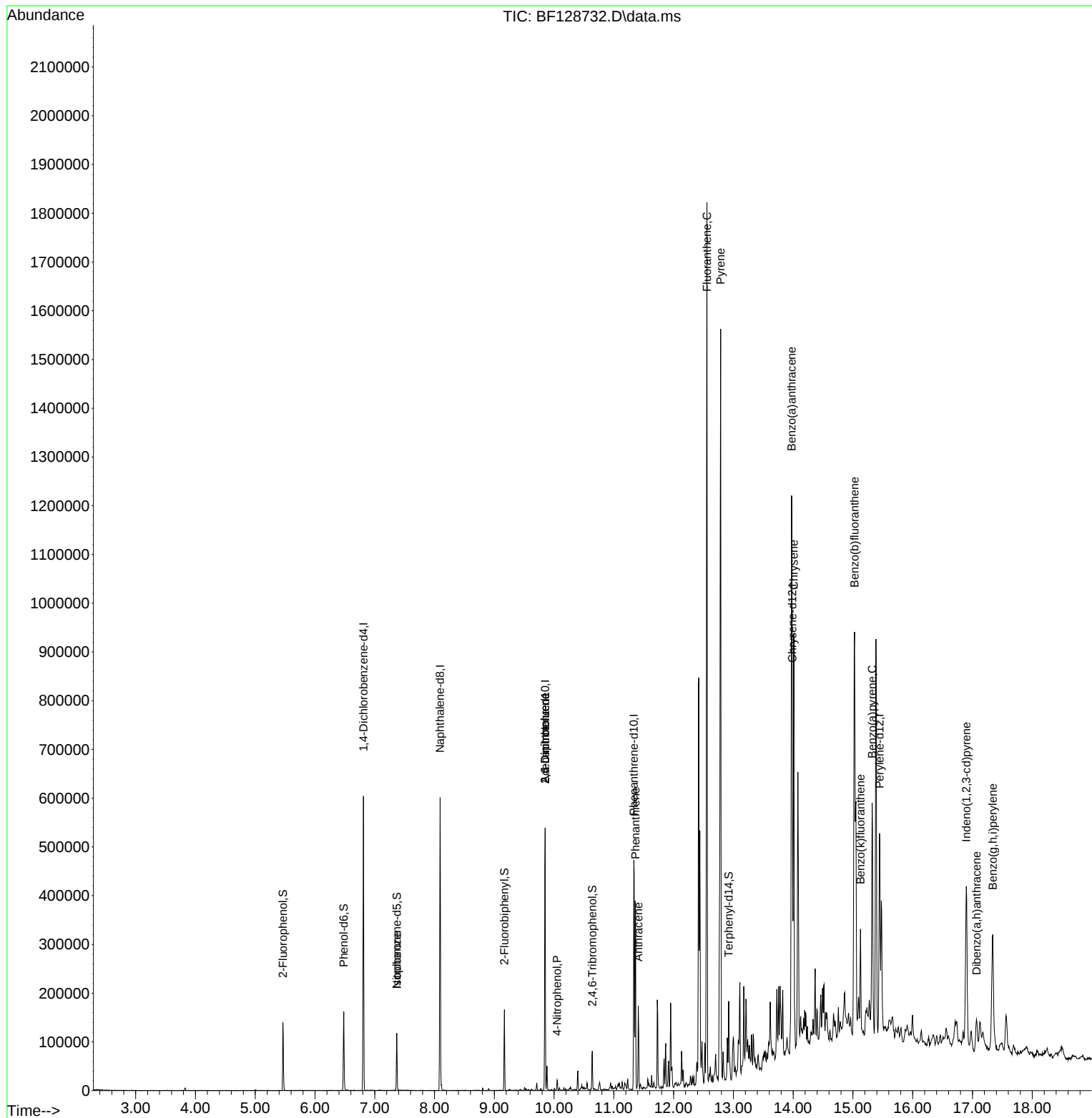
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	72342	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	222270	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	104100	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	175878	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	178569	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	196195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	31319	6.896	ng	0.00
7) Phenol-d6	6.480	99	43896	7.918	ng	0.00
23) Nitrobenzene-d5	7.369	82	28926	6.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	7153	5.815	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	43424	5.843	ng	0.00
79) Terphenyl-d14	12.921	244	43900	4.272	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.369	82	28934	3.991	ng	# 65
51) 2,6-Dinitrotoluene	9.851	165	13629	9.691	ng	# 25
56) 4-Nitrophenol	10.051	139	2691	2.432	ng	# 8
57) 2,4-Dinitrotoluene	9.851	165	13629	7.262	ng	# 21
71) Phenanthrene	11.363	178	143091	16.220	ng	99
72) Anthracene	11.410	178	57453	6.580	ng	99
75) Fluoranthene	12.557	202	692728	75.123	ng	96
78) Pyrene	12.786	202	618195	46.532	ng	98
81) Benzo(a)anthracene	13.974	228	404636	36.353	ng	100
83) Chrysene	14.009	228	296534	27.944	ng	98
87) Indeno(1,2,3-cd)pyrene	16.897	276	225297	19.052	ng	# 86
88) Benzo(b)fluoranthene	15.027	252	671260	53.544	ng	97
89) Benzo(k)fluoranthene	15.127	252	80938	6.863	ng	93
90) Benzo(a)pyrene	15.321	252	234559	23.805	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	39996	4.078	ng	93
92) Benzo(g,h,i)perylene	17.339	276	195109	20.070	ng	# 91

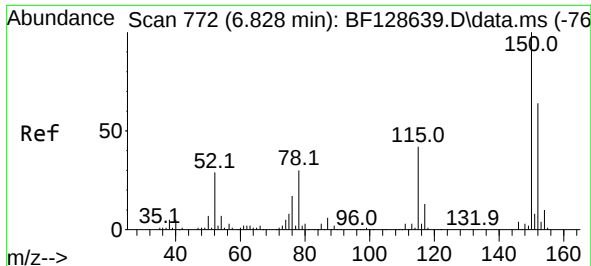
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128732.D
Acq On : 08 Jun 2022 13:31
Operator : CG\JU
Sample : N3197-03DL 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Quant Time: Jun 08 14:30:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration

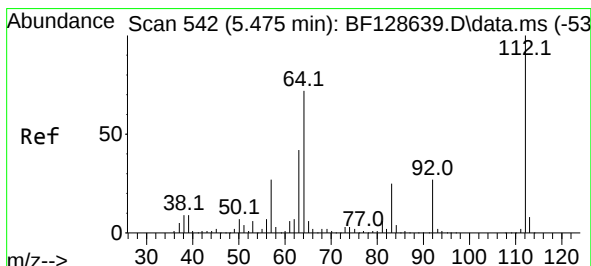
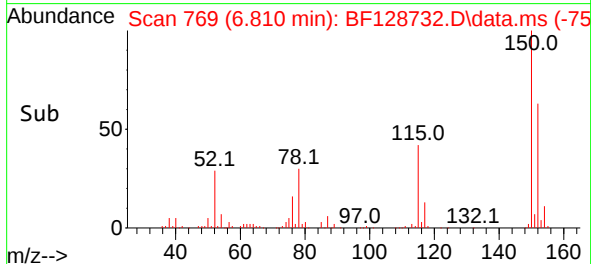
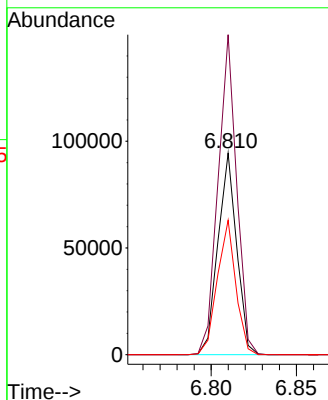
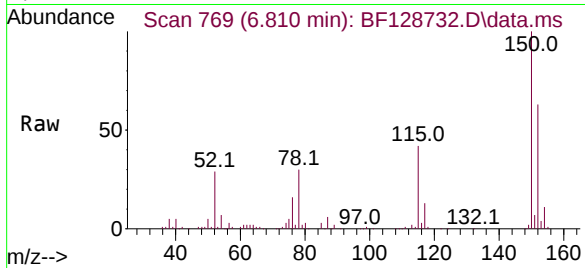




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

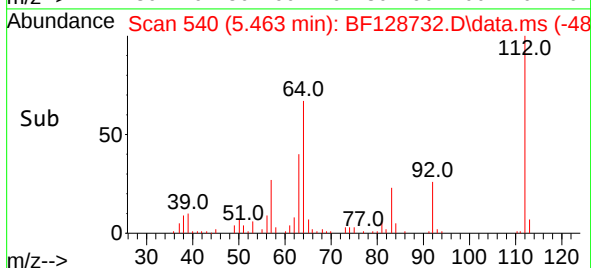
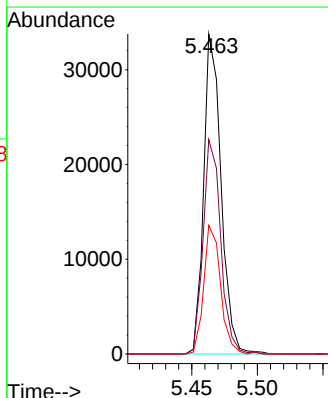
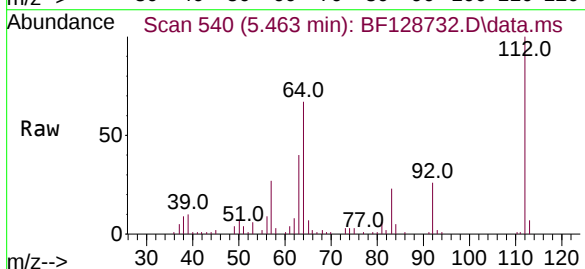
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

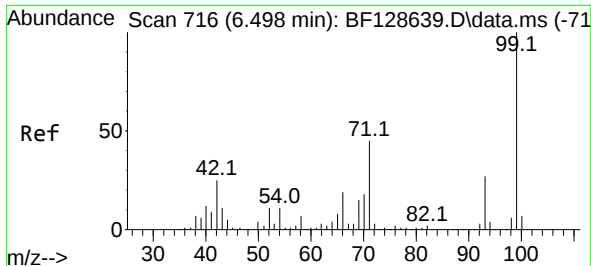
Tgt Ion:152 Resp: 72342
Ion Ratio Lower Upper
152 100
150 158.8 123.7 185.5
115 66.7 49.9 74.9



#5
2-Fluorophenol
Concen: 6.896 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.005 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

Tgt Ion:112 Resp: 31319
Ion Ratio Lower Upper
112 100
64 67.0 53.3 79.9
63 40.2 28.0 42.0

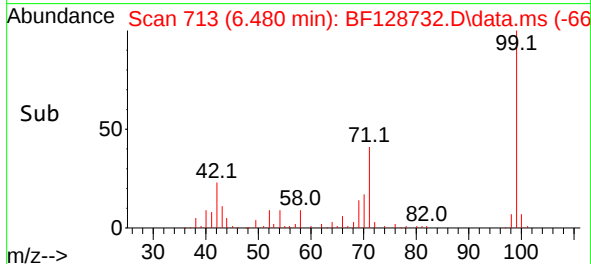
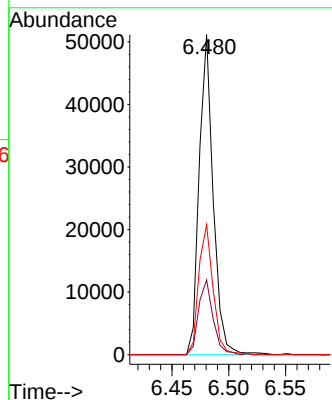
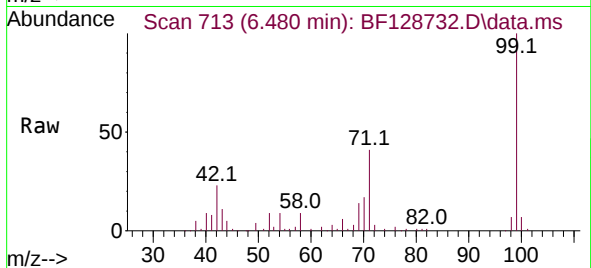




#7
Phenol-d6
Concen: 7.918 ng
RT: 6.480 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

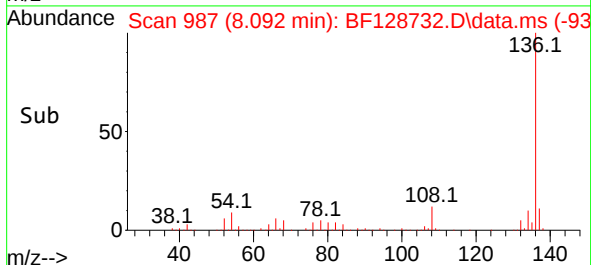
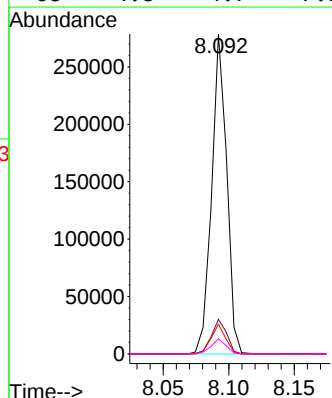
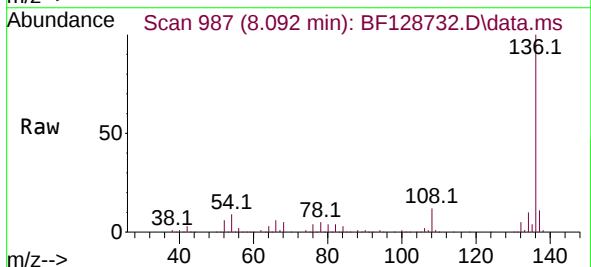
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

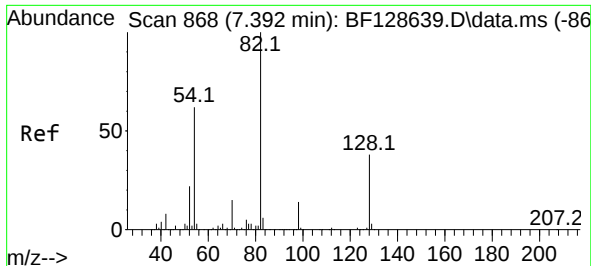
Tgt Ion: 99 Resp: 43896
Ion Ratio Lower Upper
99 100
42 23.4 17.3 25.9
71 40.6 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

Tgt Ion: 136 Resp: 222270
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.3 7.5 11.3
68 4.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 6.059 ng

RT: 7.369 min Scan# 864

Delta R.T. -0.012 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

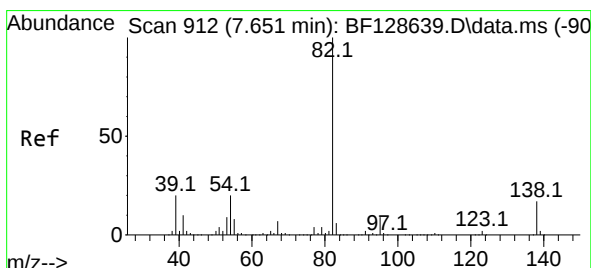
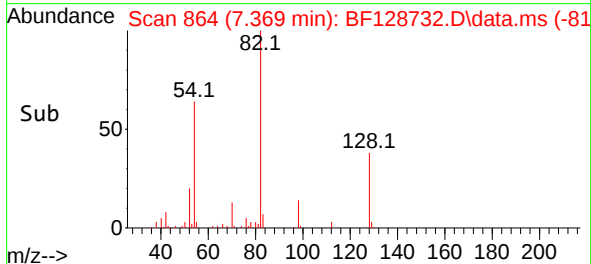
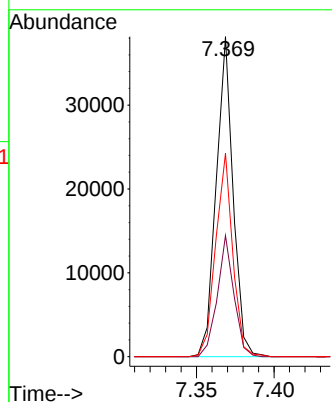
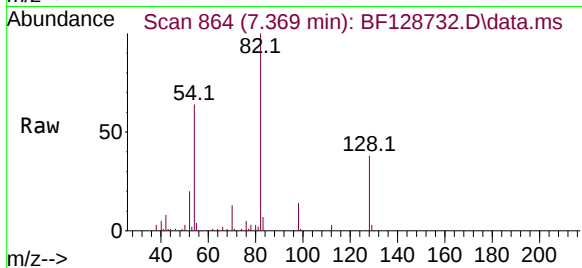
Tgt Ion: 82 Resp: 28926

Ion Ratio Lower Upper

82 100

128 37.9 34.0 51.0

54 63.6 46.9 70.3



#25

Isophorone

Concen: 3.991 ng

RT: 7.369 min Scan# 864

Delta R.T. -0.271 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

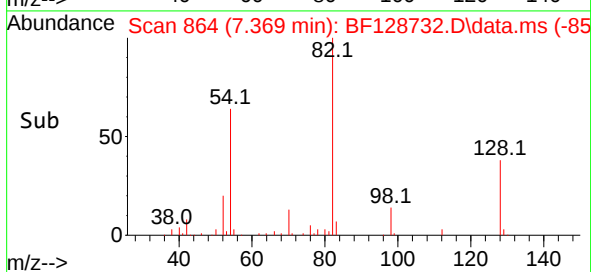
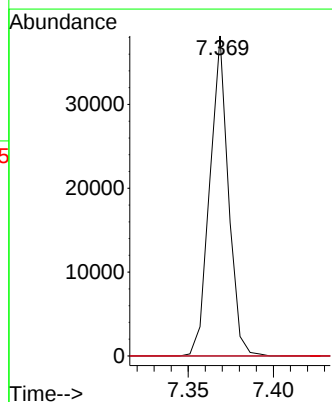
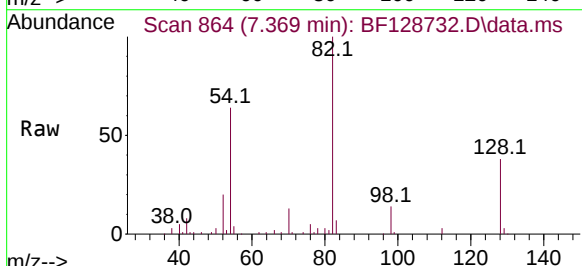
Tgt Ion: 82 Resp: 28934

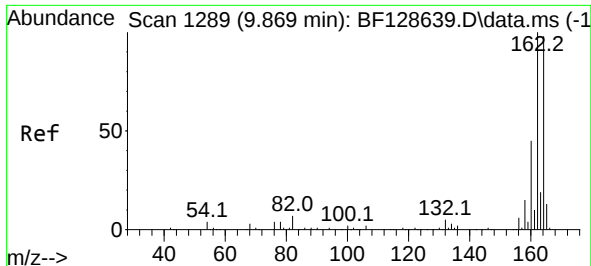
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

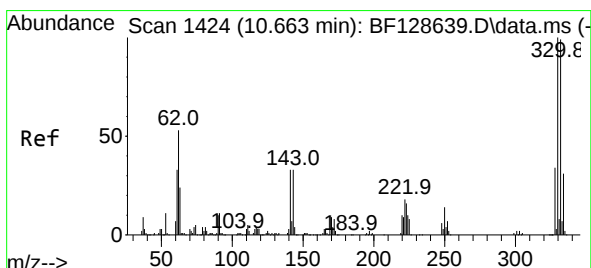
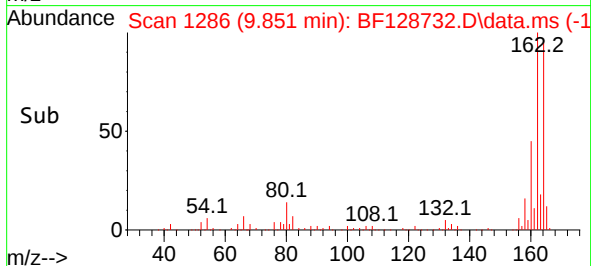
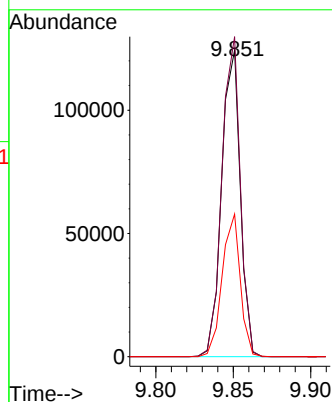
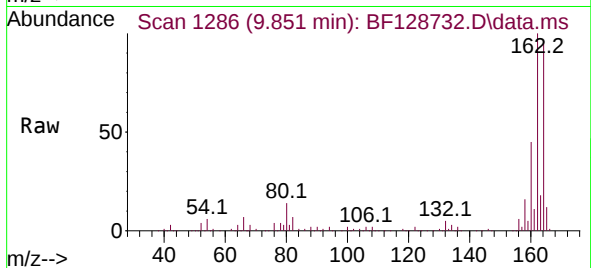
Tgt Ion:164 Resp: 104100

Ion Ratio Lower Upper

164 100

162 104.4 79.5 119.3

160 46.5 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 5.815 ng

RT: 10.639 min Scan# 1420

Delta R.T. -0.012 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

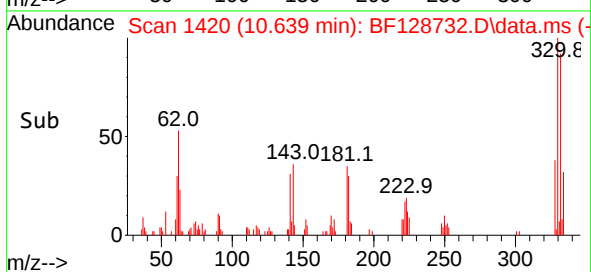
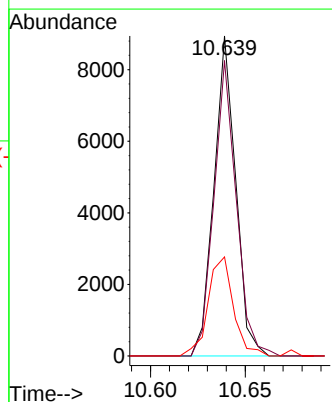
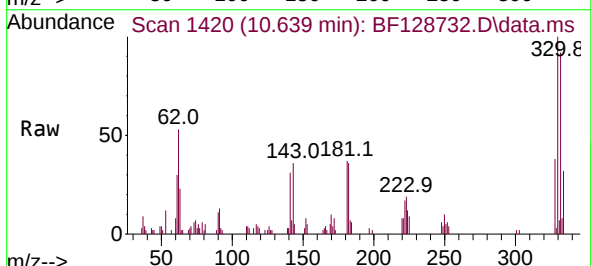
Tgt Ion:330 Resp: 7153

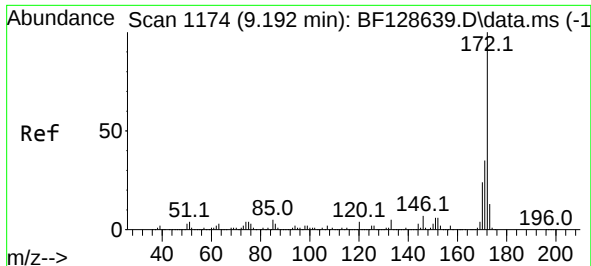
Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

141 36.1 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 5.843 ng

RT: 9.169 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

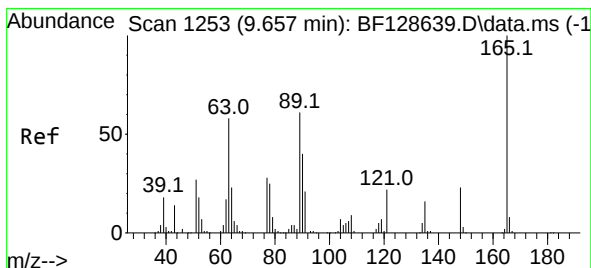
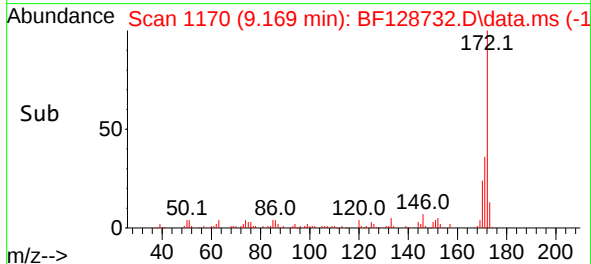
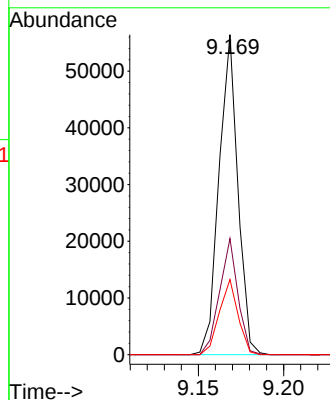
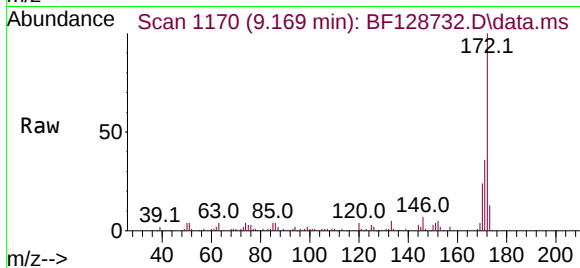
Tgt Ion:172 Resp: 43424

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.5 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 9.691 ng

RT: 9.851 min Scan# 1286

Delta R.T. 0.205 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

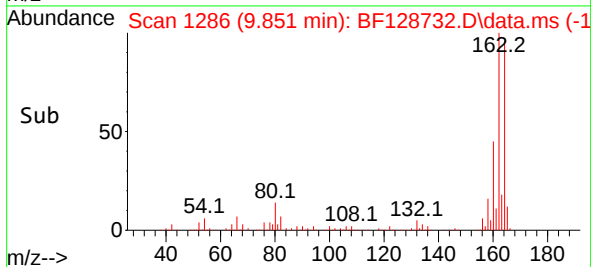
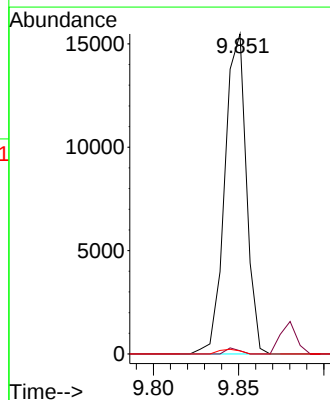
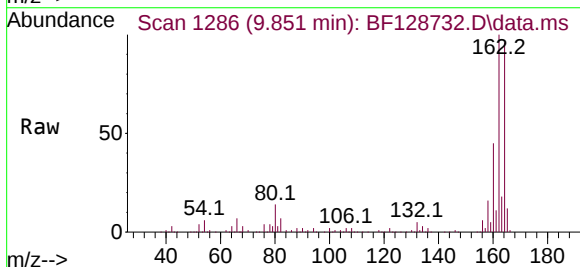
Tgt Ion:165 Resp: 13629

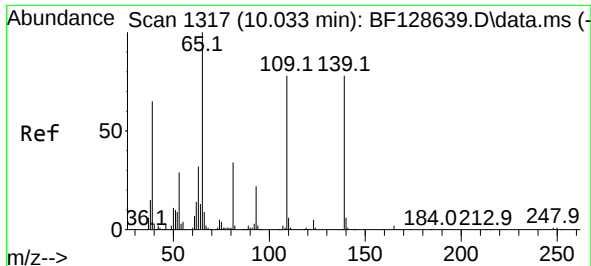
Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.0 43.6 65.4#

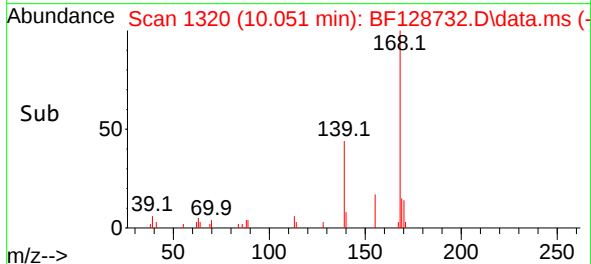
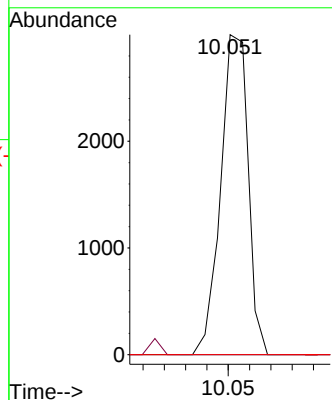
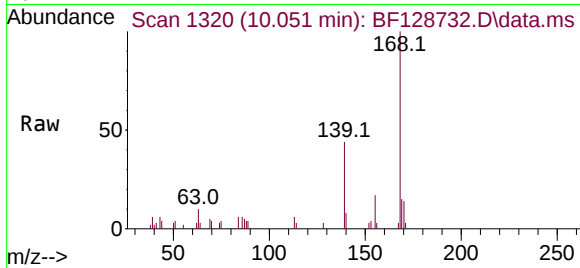




#56
4-Nitrophenol
Concen: 2.432 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

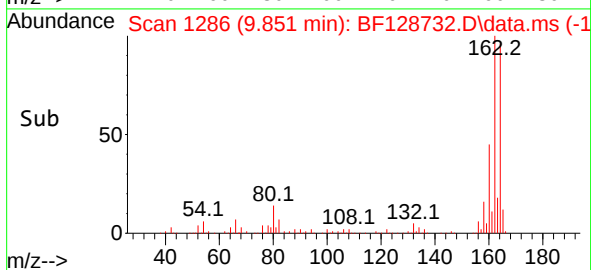
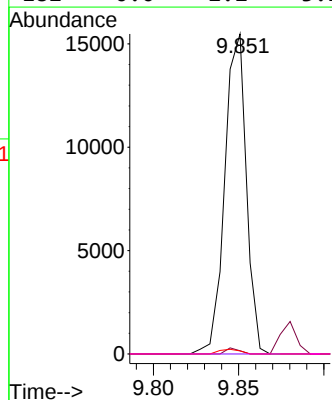
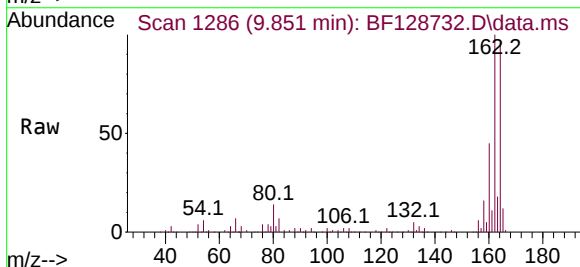
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

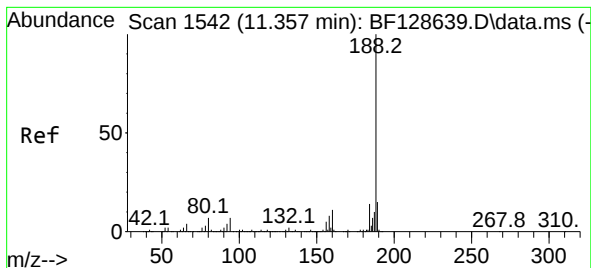
Tgt Ion:139 Resp: 2691
Ion Ratio Lower Upper
139 100
109 0.0 50.7 90.7#
65 0.0 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 7.262 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.195 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

Tgt Ion:165 Resp: 13629
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

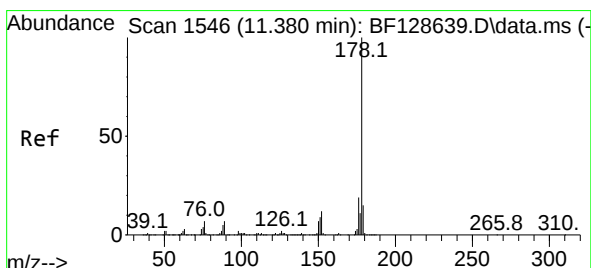
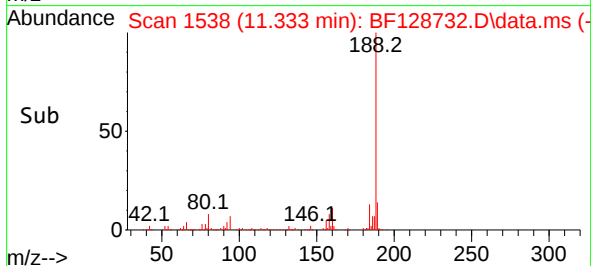
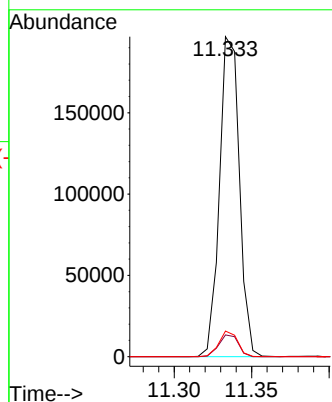
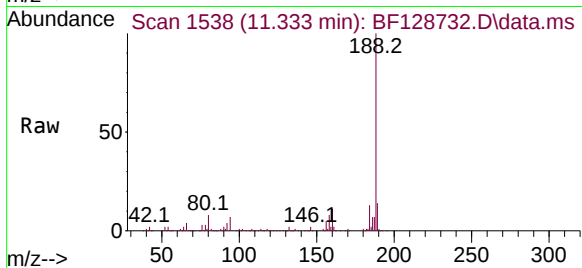
Tgt Ion:188 Resp: 175878

Ion Ratio Lower Upper

188 100

94 6.8 7.0 10.6#

80 8.0 7.6 11.4



#71

Phenanthrene

Concen: 16.220 ng

RT: 11.363 min Scan# 1543

Delta R.T. -0.006 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

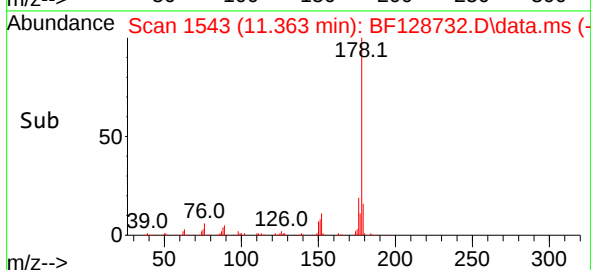
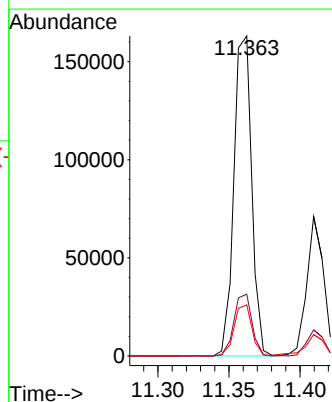
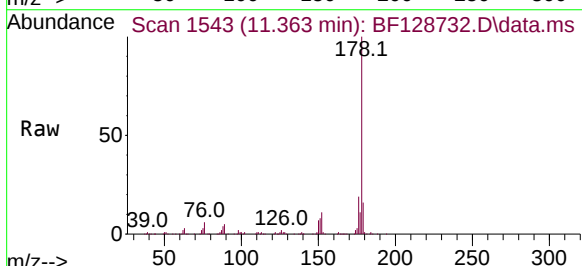
Tgt Ion:178 Resp: 143091

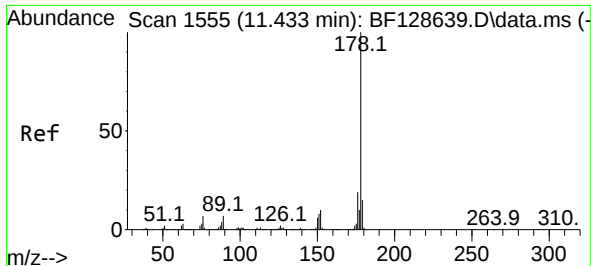
Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 16.0 12.6 19.0

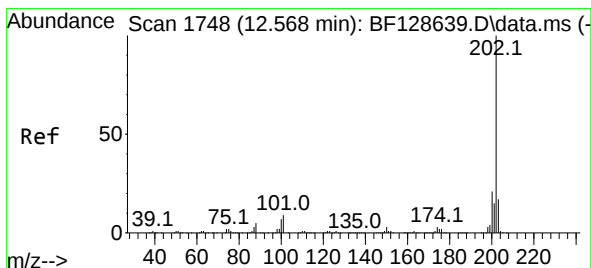
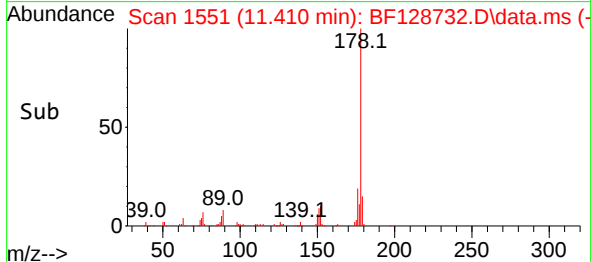
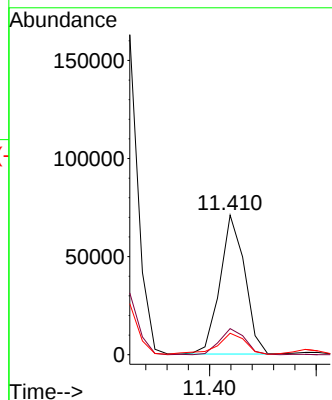
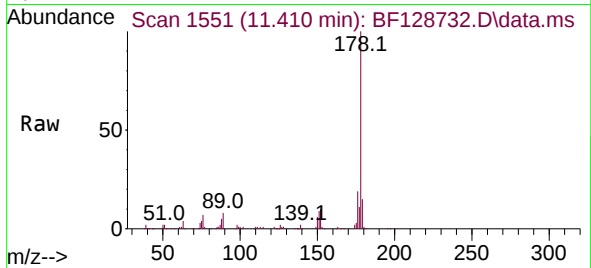




#72
 Anthracene
 Concen: 6.580 ng
 RT: 11.410 min Scan# 1551
 Delta R.T. -0.012 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

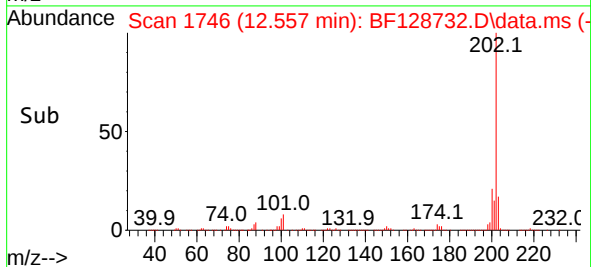
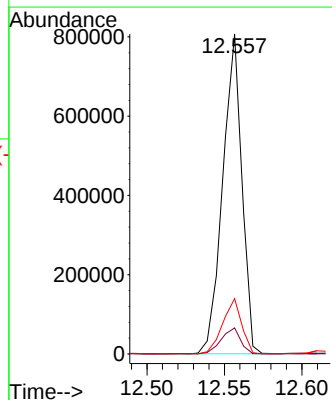
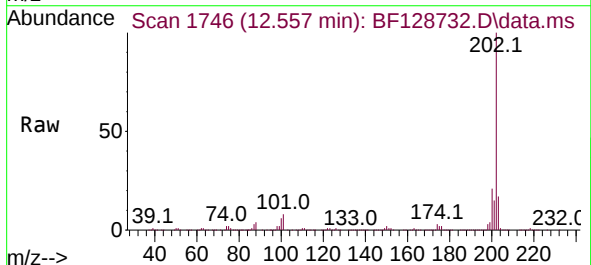
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

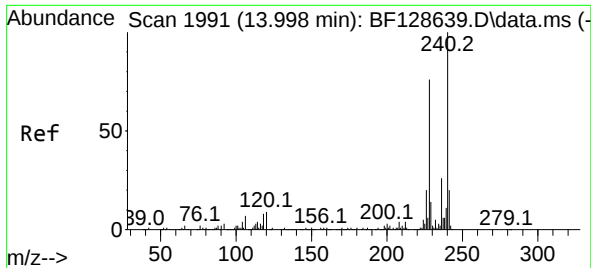
Tgt Ion:178 Resp: 57453
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.4 12.6 19.0



#75
 Fluoranthene
 Concen: 75.123 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

Tgt Ion:202 Resp: 692728
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 31.4
 203 17.3 0.0 38.0

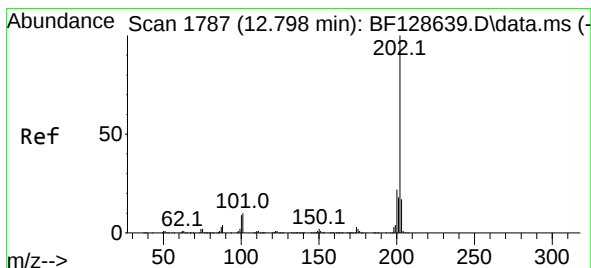
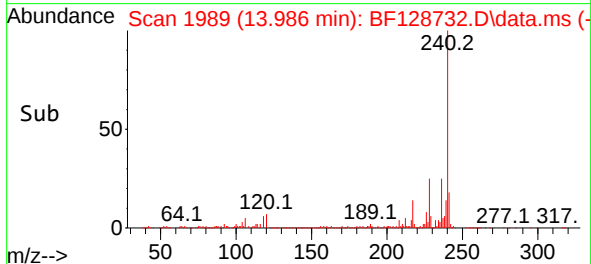
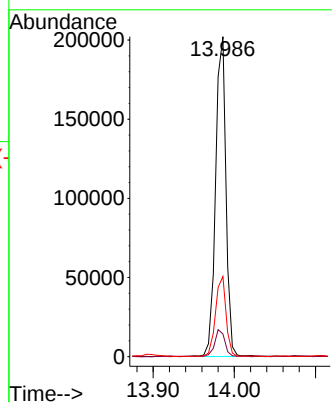
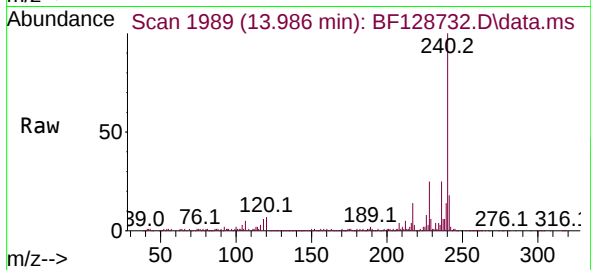




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

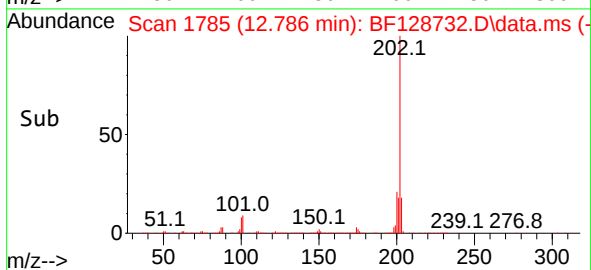
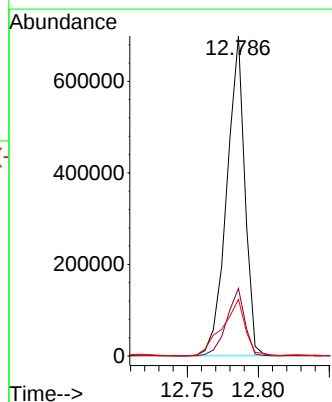
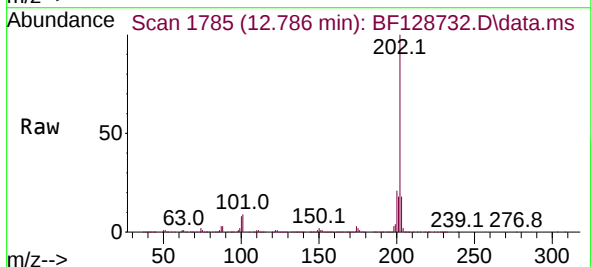
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

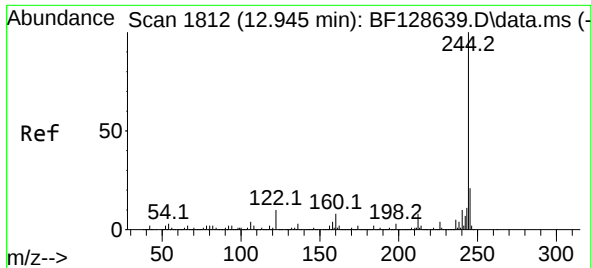
Tgt Ion:240 Resp: 178569
Ion Ratio Lower Upper
240 100
120 7.1 8.9 13.3#
236 25.1 20.8 31.2



#78
Pyrene
Concen: 46.532 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

Tgt Ion:202 Resp: 618195
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.7 14.6 21.8

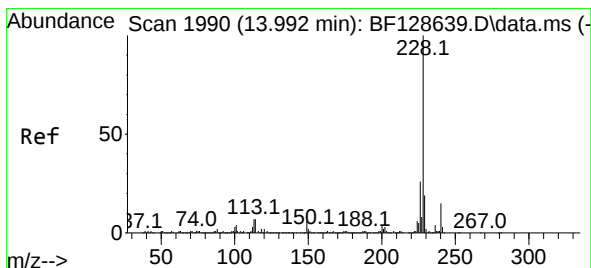
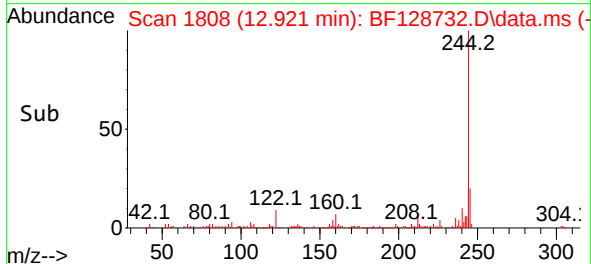
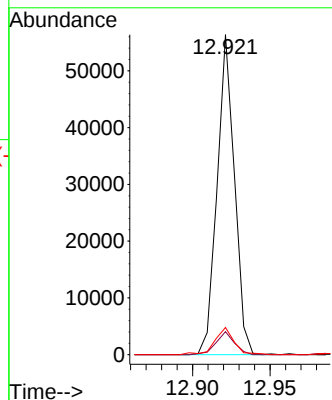
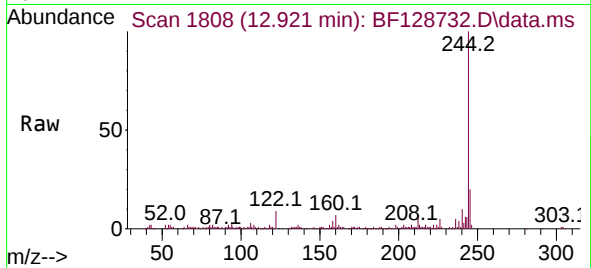




#79
 Terphenyl-d14
 Concen: 4.272 ng
 RT: 12.921 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

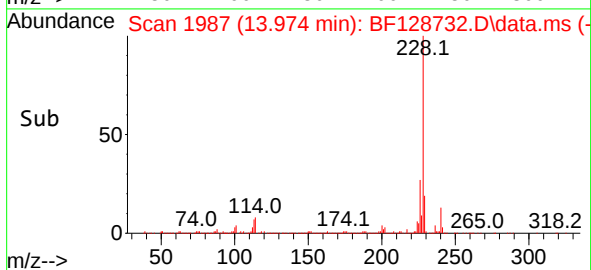
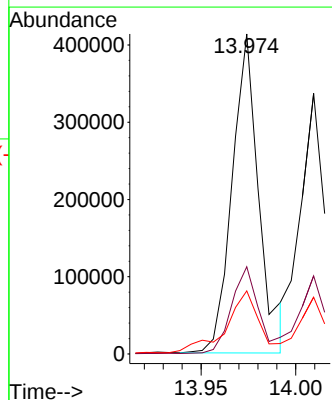
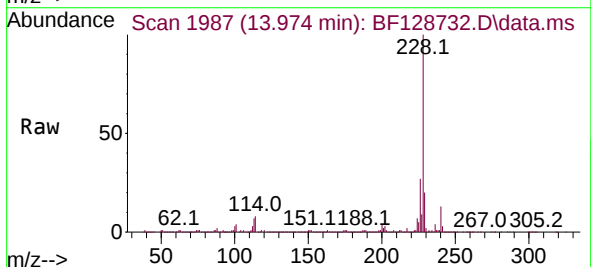
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

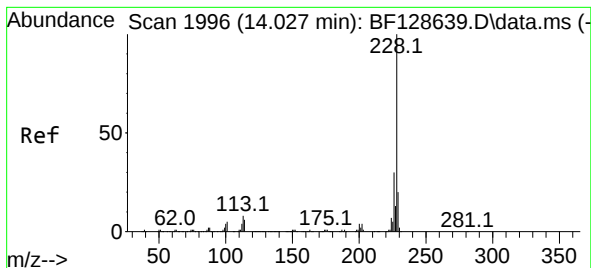
Tgt Ion:244 Resp: 43900
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.5 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 36.353 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

Tgt Ion:228 Resp: 404636
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 19.7 15.8 23.8





#83

Chrysene

Concen: 27.944 ng

RT: 14.009 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

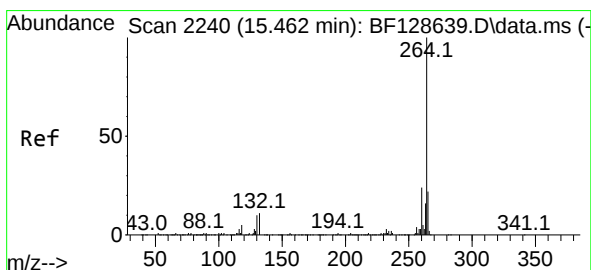
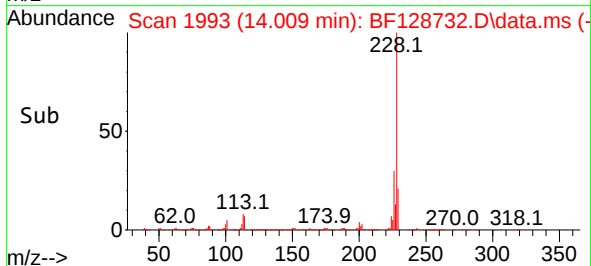
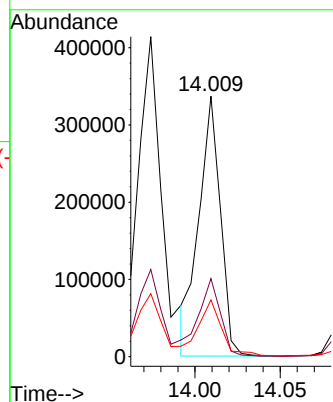
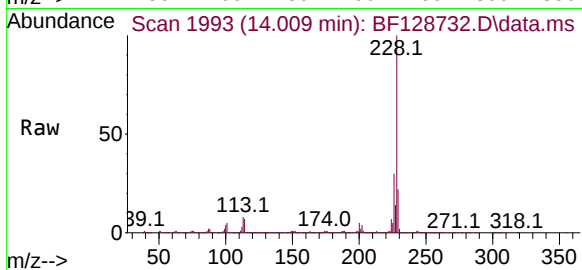
Tgt Ion:228 Resp: 296534

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2237

Delta R.T. -0.000 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

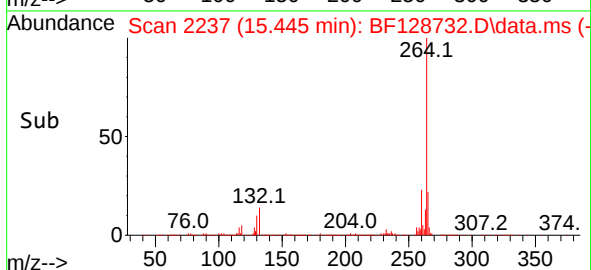
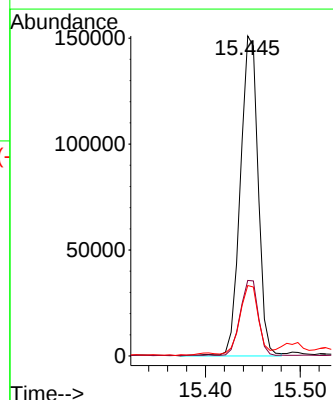
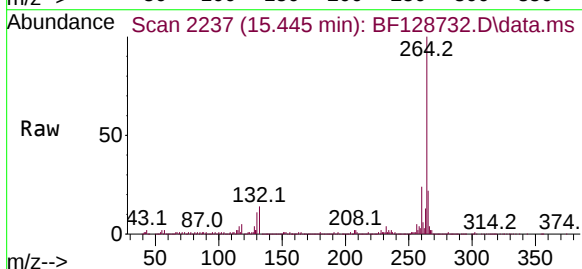
Tgt Ion:264 Resp: 196195

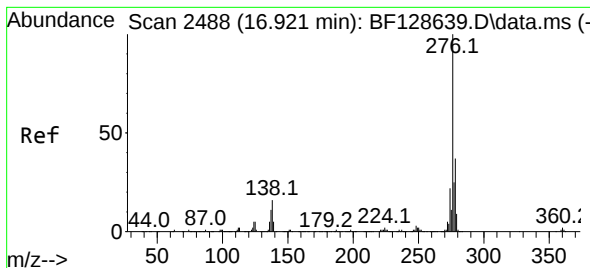
Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.052 ng

RT: 16.897 min Scan# 2488

Delta R.T. -0.000 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

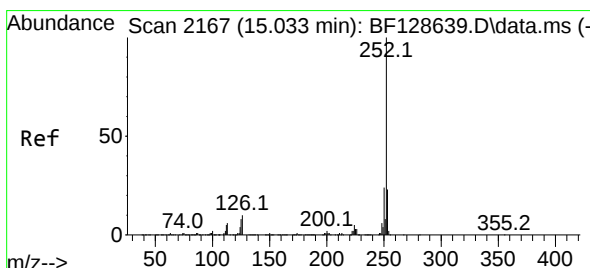
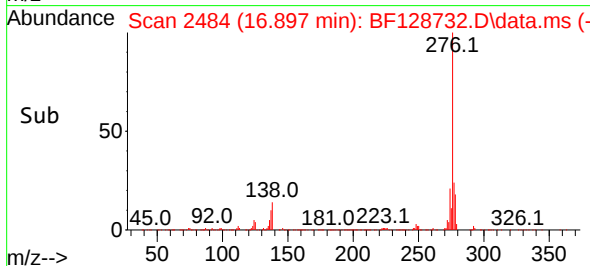
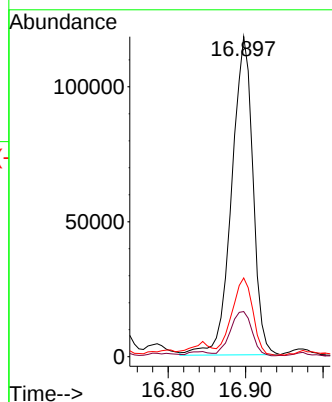
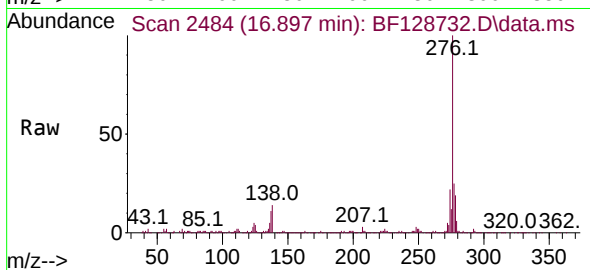
Tgt Ion:276 Resp: 225297

Ion Ratio Lower Upper

276 100

138 14.1 21.1 31.7#

277 23.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 53.544 ng

RT: 15.027 min Scan# 2166

Delta R.T. 0.005 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

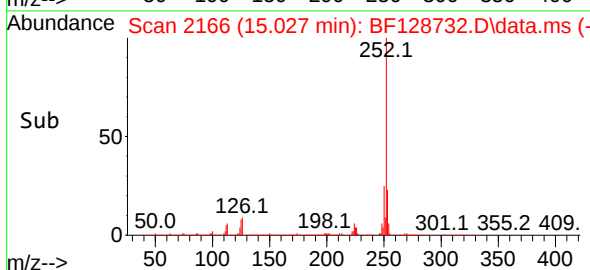
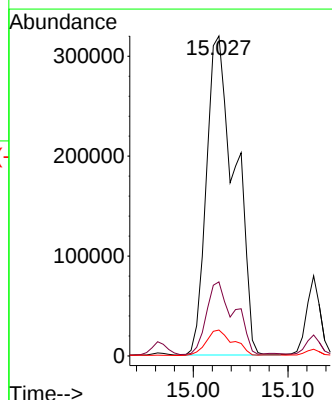
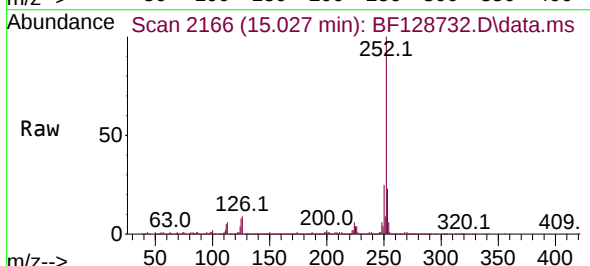
Tgt Ion:252 Resp: 671260

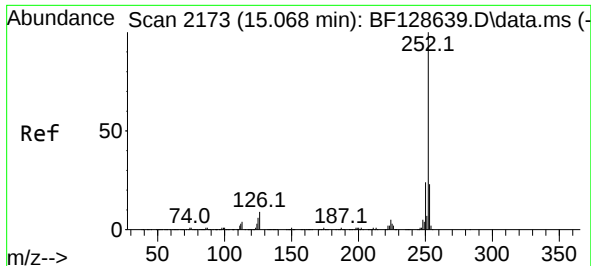
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 8.1 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.863 ng

RT: 15.127 min Scan# 2116

Delta R.T. 0.076 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

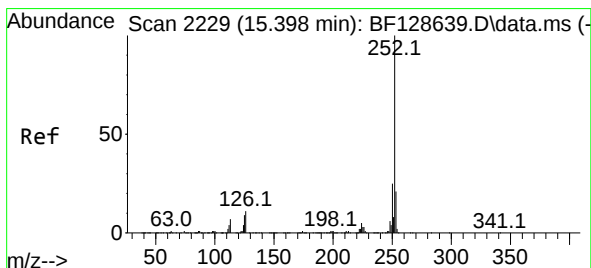
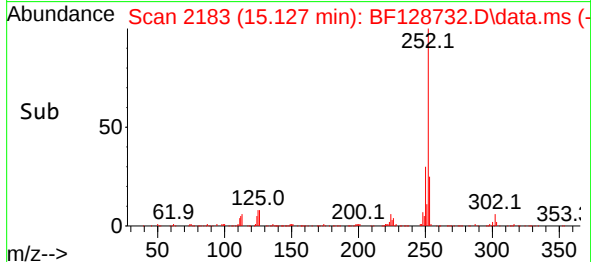
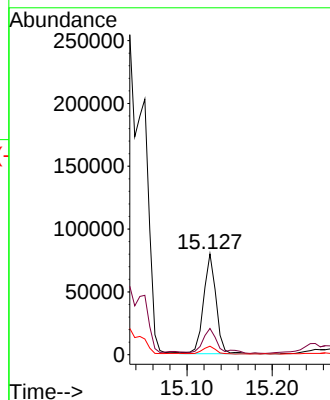
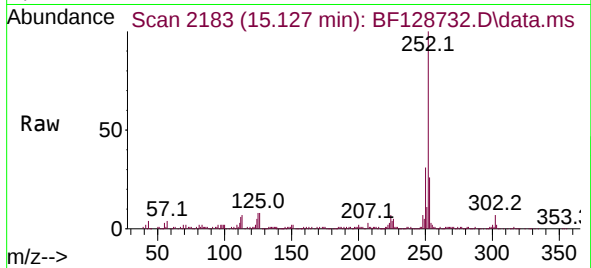
Tgt Ion:252 Resp: 80938

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 8.5 8.3 12.5



#90

Benzo(a)pyrene

Concen: 23.805 ng

RT: 15.321 min Scan# 2216

Delta R.T. -0.065 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

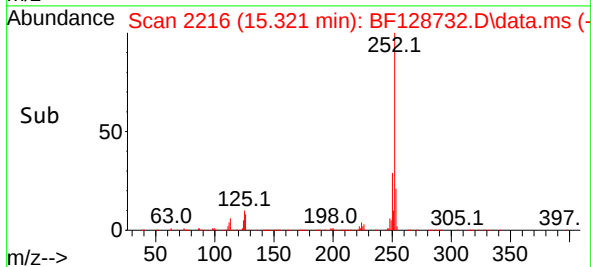
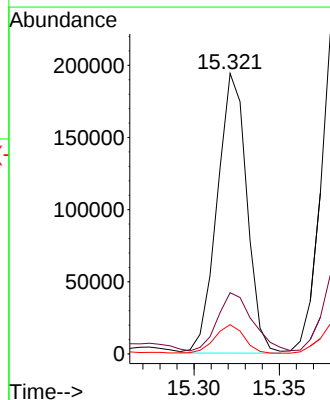
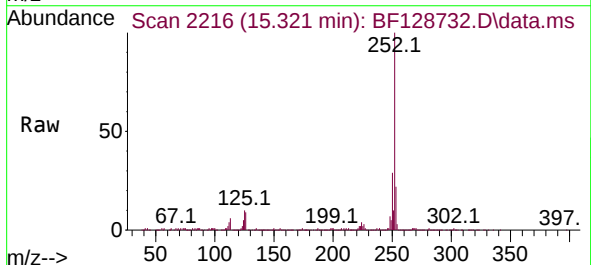
Tgt Ion:252 Resp: 234559

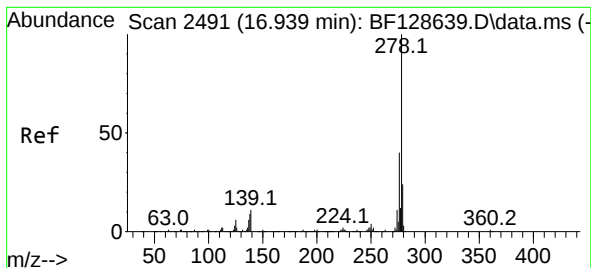
Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 10.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.078 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.152 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

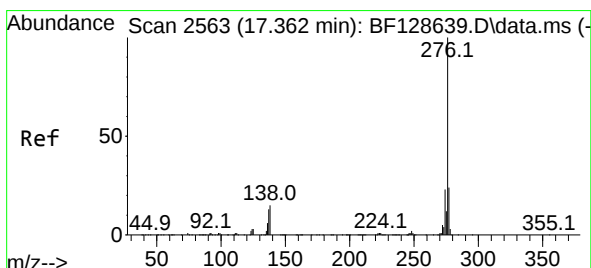
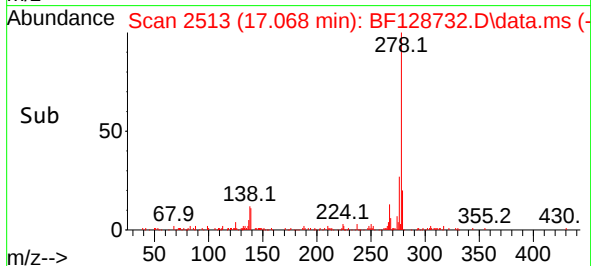
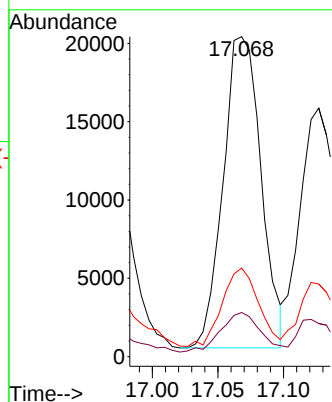
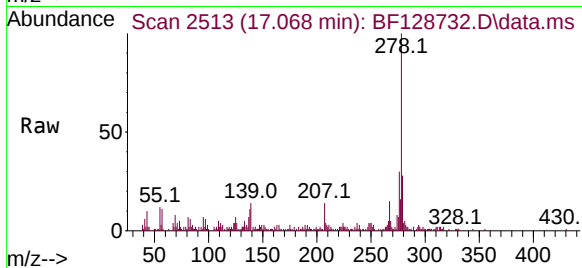
Tgt Ion:278 Resp: 39996

Ion Ratio Lower Upper

278 100

139 13.8 12.8 19.2

279 27.7 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 20.070 ng

RT: 17.339 min Scan# 2559

Delta R.T. -0.000 min

Lab File: BF128732.D

Acq: 08 Jun 2022 13:31

Tgt Ion:276 Resp: 195109

Ion Ratio Lower Upper

276 100

277 22.5 19.1 28.7

138 14.6 18.0 27.0#

