

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129561.D
 Acq On : 04 Aug 2022 02:32
 Operator : CG\JU
 Sample : N3998-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Quant Time: Aug 04 03:03:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

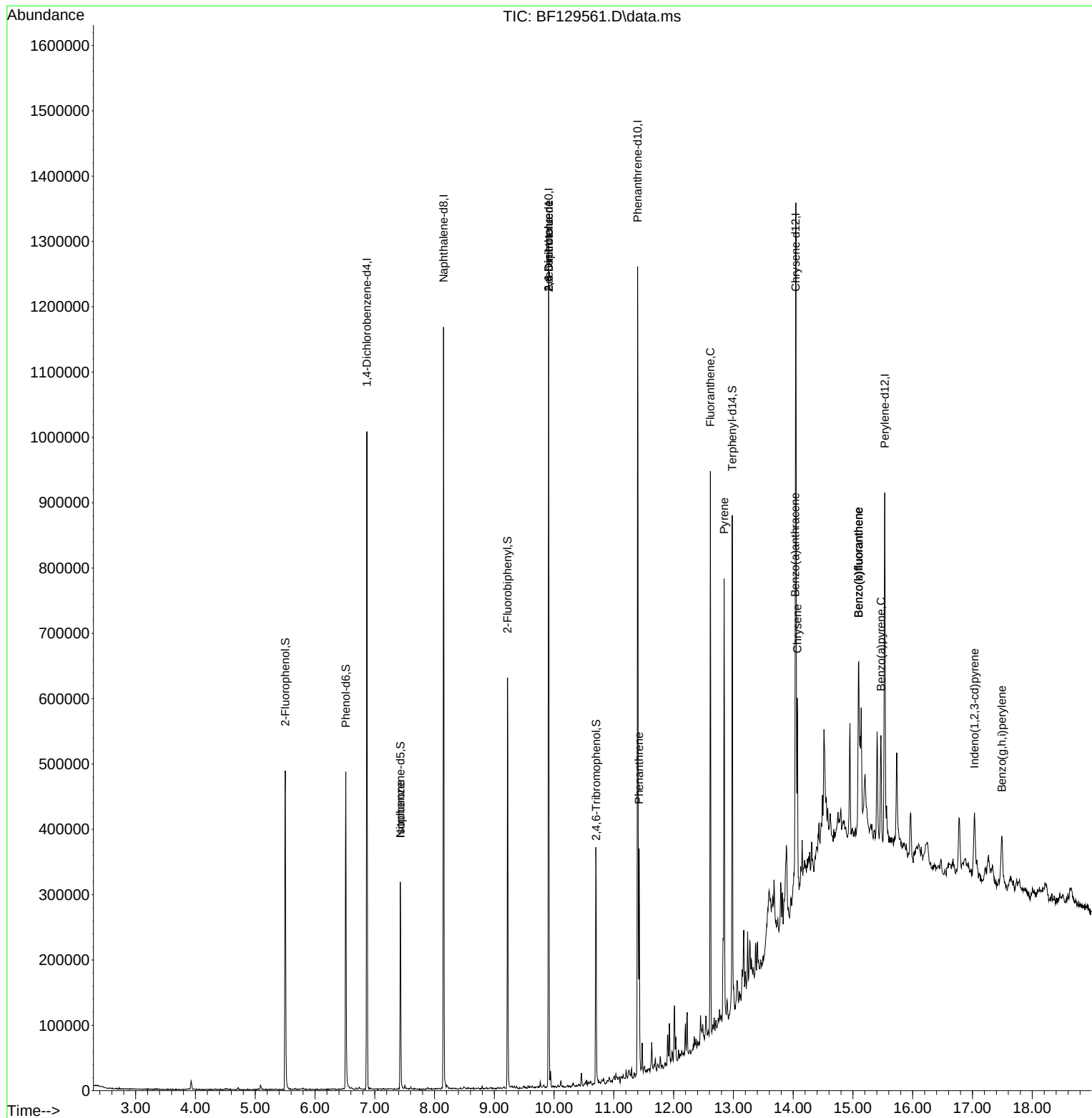
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	132257	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	466562	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	237317	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	433272	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	306754	20.000	ng	0.00
86) Perylene-d12	15.533	264	228389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	138588	17.070	ng	0.00
7) Phenol-d6	6.516	99	162775	15.951	ng	0.00
23) Nitrobenzene-d5	7.428	82	94173	11.018	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	39308	17.228	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	181059	11.802	ng	-0.01
79) Terphenyl-d14	12.980	244	228300	14.041	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.428	82	94171	6.147	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	30675	8.366	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	30675	6.404	ng	# 21
71) Phenanthrene	11.421	178	115769	4.895	ng	98
75) Fluoranthene	12.615	202	294241	12.278	ng	99
78) Pyrene	12.845	202	253780	9.893	ng	98
81) Benzo(a)anthracene	14.033	228	99685	4.757	ng	97
83) Chrysene	14.068	228	119164	6.034	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	63628	4.137	ng	94
88) Benzo(b)fluoranthene	15.098	252	181025	11.949	ng	# 96
89) Benzo(k)fluoranthene	15.098	252	181025	12.193	ng	# 96
90) Benzo(a)pyrene	15.468	252	79093	6.431	ng	# 95
92) Benzo(g,h,i)perylene	17.492	276	68022	5.318	ng	97

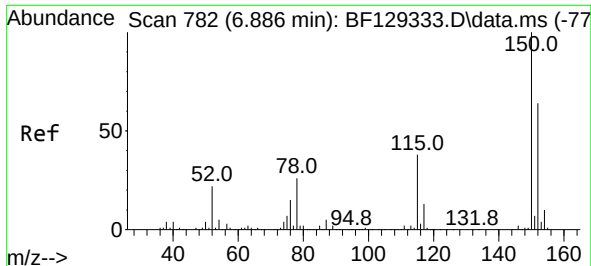
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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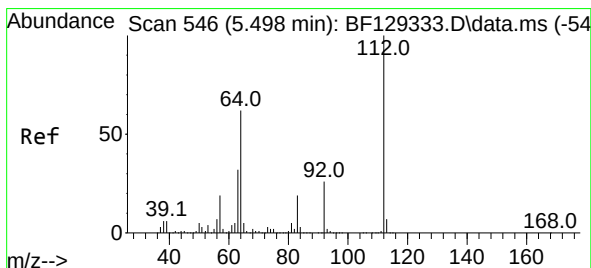
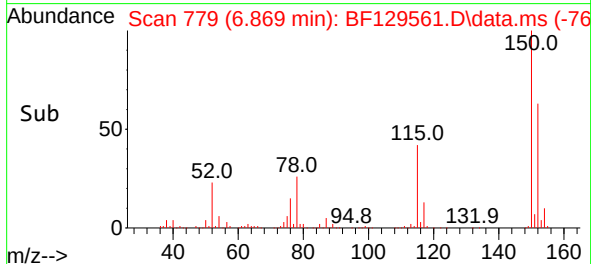
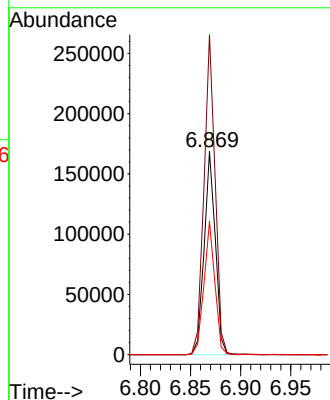
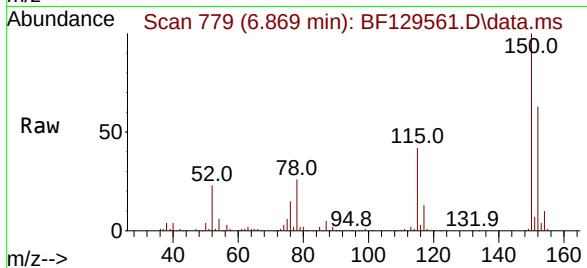




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

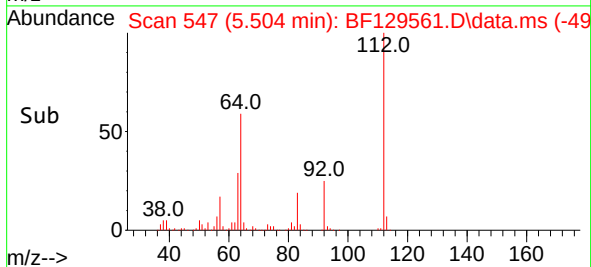
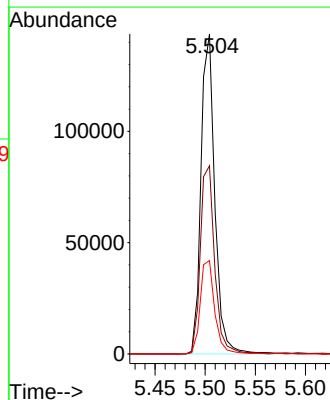
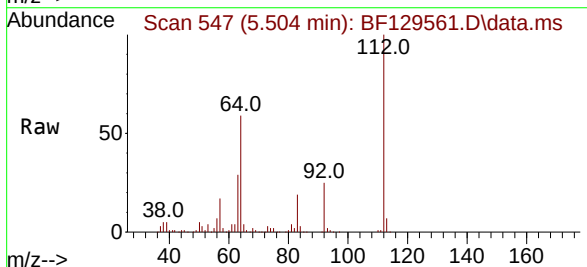
Instrument :
BNA_F
ClientSampleId :
SS-2

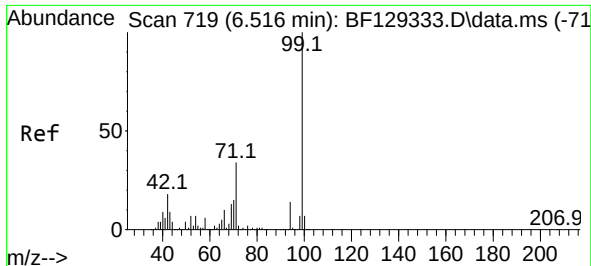
Tgt Ion:152 Resp: 132257
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 65.6 49.9 74.9



#5
2-Fluorophenol
Concen: 17.070 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:112 Resp: 138588
Ion Ratio Lower Upper
112 100
64 58.8 53.3 79.9
63 29.2 28.0 42.0





#7
Phenol-d6
Concen: 15.951 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

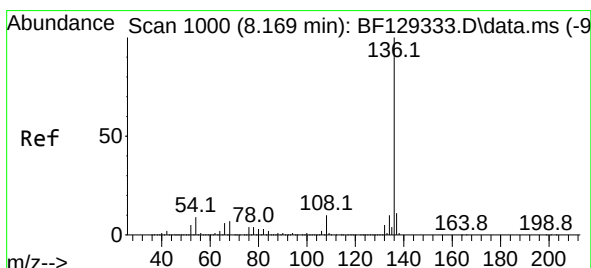
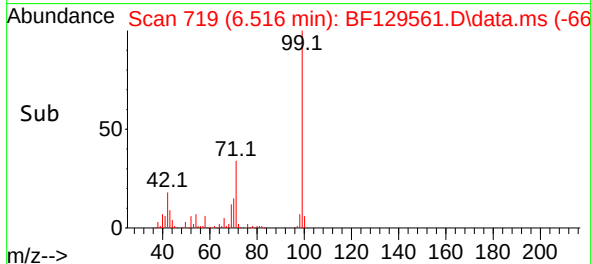
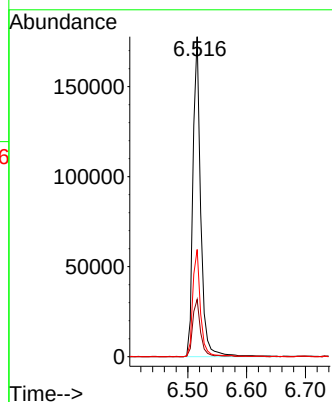
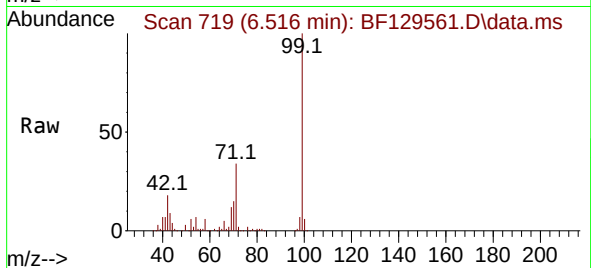
Instrument :

BNA_F

ClientSampleId :

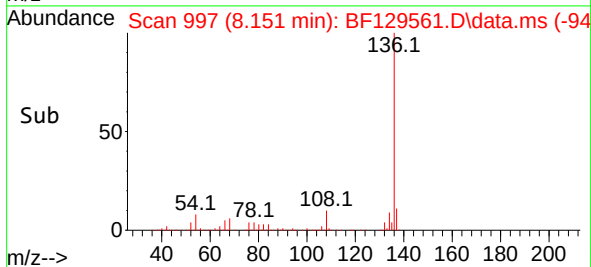
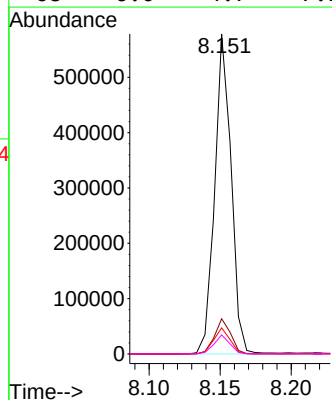
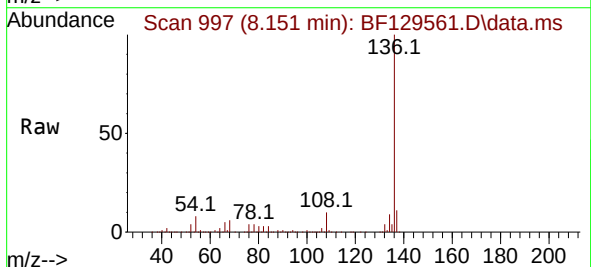
SS-2

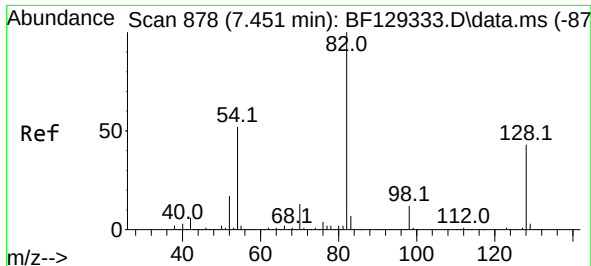
Tgt Ion: 99 Resp: 162775
Ion Ratio Lower Upper
99 100
42 17.9 17.3 25.9
71 33.5 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion: 136 Resp: 466562
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 7.5 11.3
68 6.0 4.7 7.1

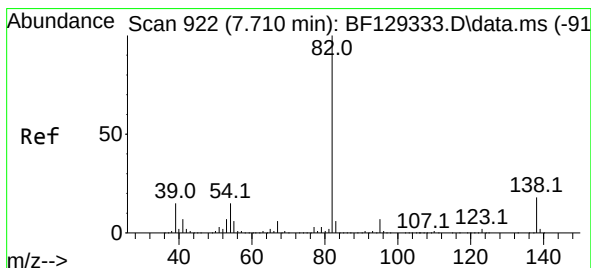
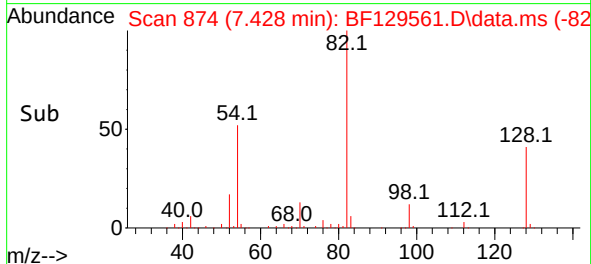
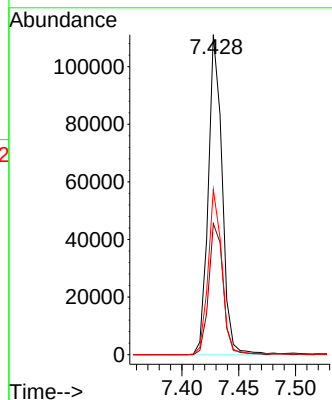
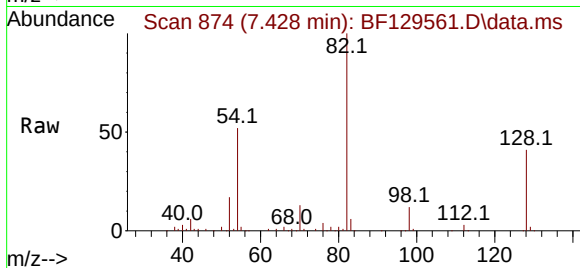




#23
Nitrobenzene-d5
Concen: 11.018 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

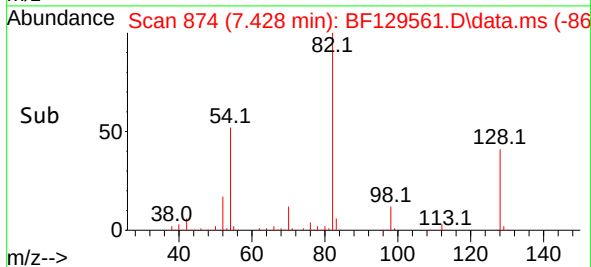
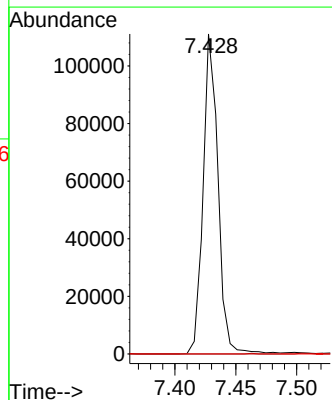
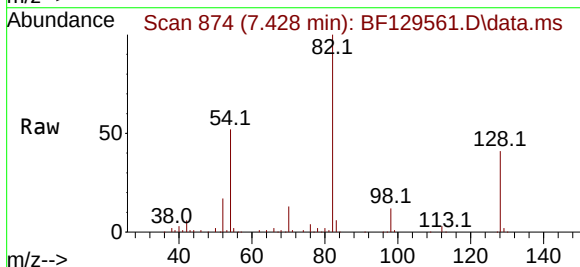
Instrument :
BNA_F
ClientSampleId :
SS-2

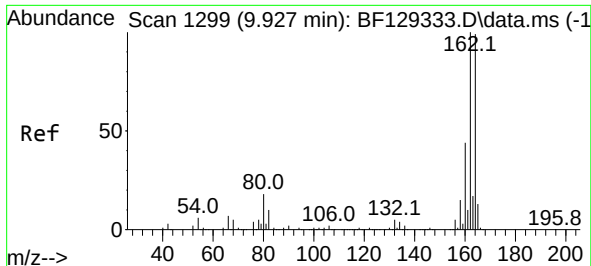
Tgt Ion: 82 Resp: 94173
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 51.6 46.9 70.3



#25
Isophorone
Concen: 6.147 ng
RT: 7.428 min Scan# 874
Delta R.T. -0.271 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion: 82 Resp: 94171
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: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

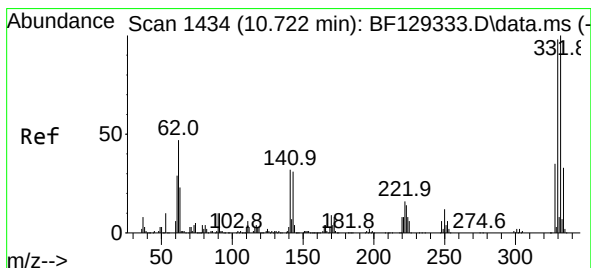
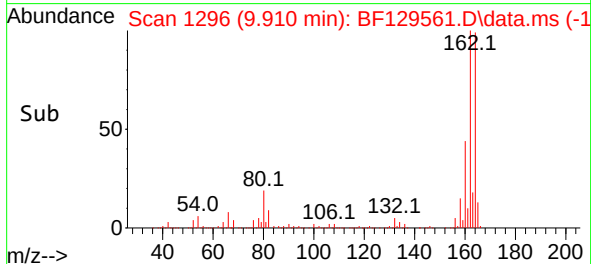
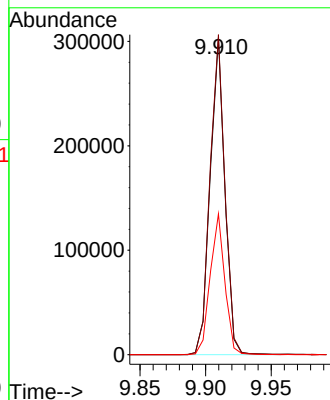
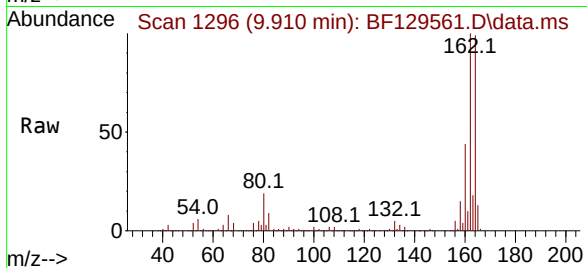
Tgt Ion:164 Resp: 237317

Ion Ratio Lower Upper

164 100

162 100.9 79.5 119.3

160 44.4 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 17.228 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

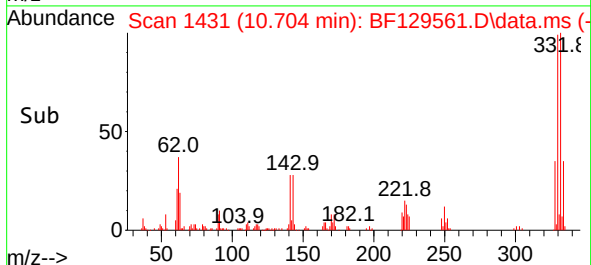
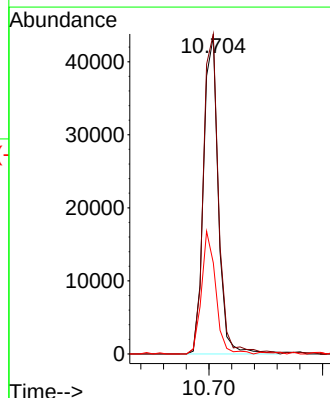
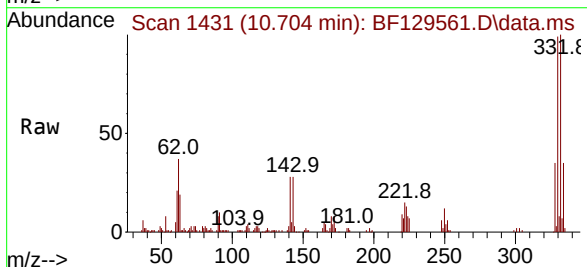
Tgt Ion:330 Resp: 39308

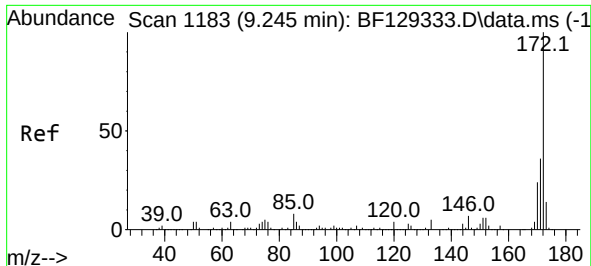
Ion Ratio Lower Upper

330 100

332 103.2 76.8 115.2

141 37.2 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 11.802 ng

RT: 9.222 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

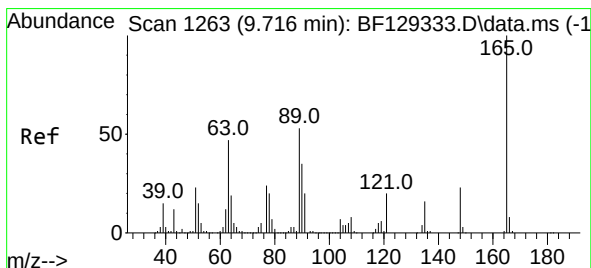
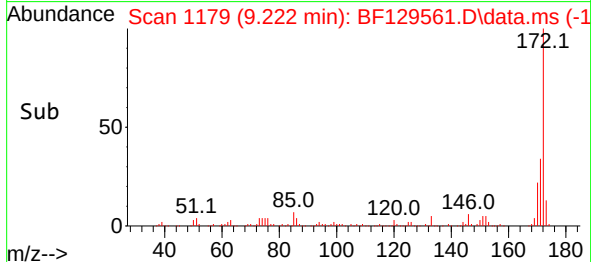
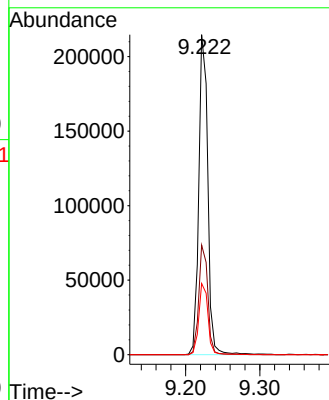
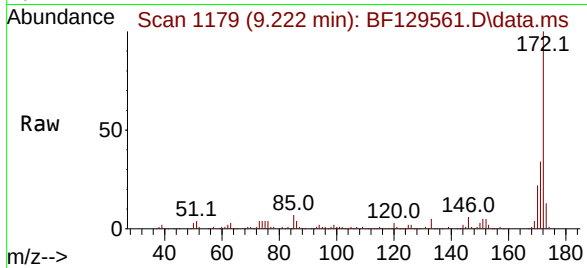
Tgt Ion:172 Resp: 181059

Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 22.3 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.366 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

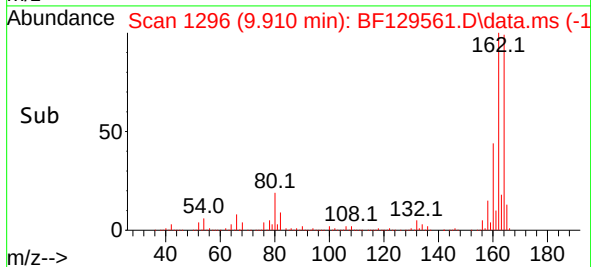
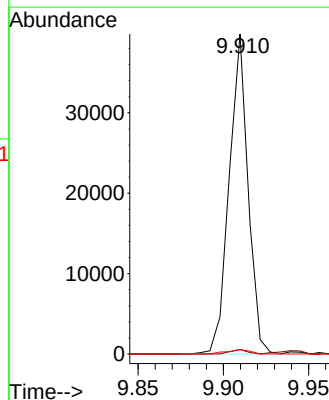
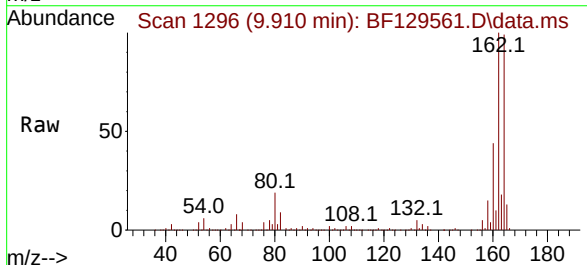
Tgt Ion:165 Resp: 30675

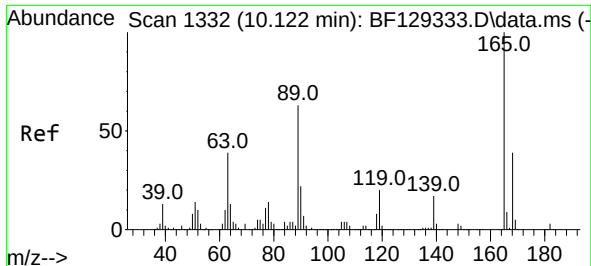
Ion Ratio Lower Upper

165 100

63 1.3 44.9 67.3#

89 1.4 43.6 65.4#

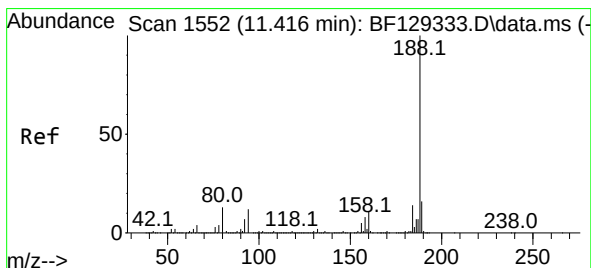
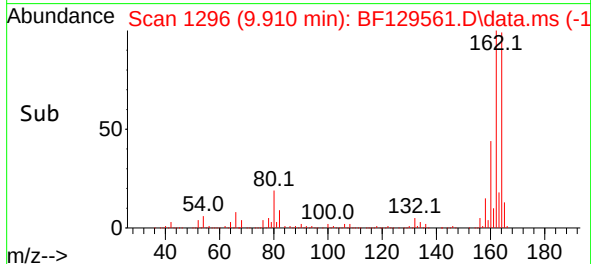
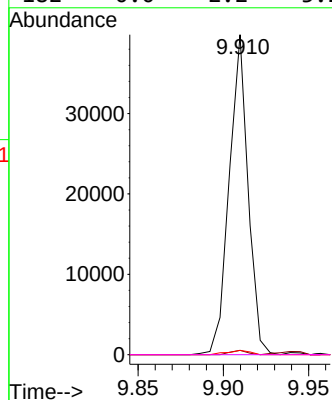
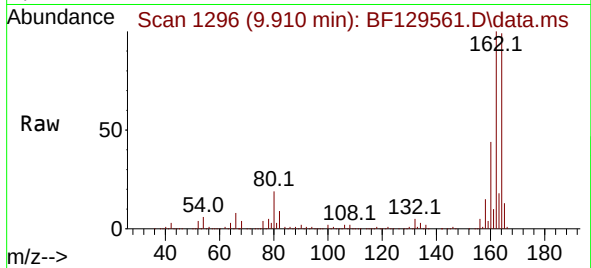




#57
2,4-Dinitrotoluene
Concen: 6.404 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

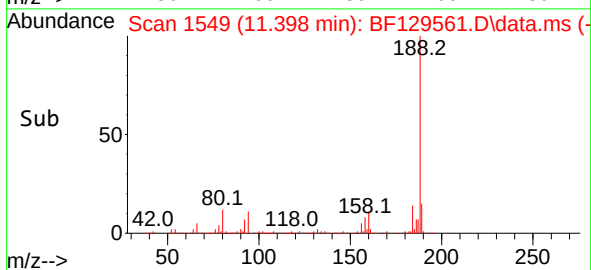
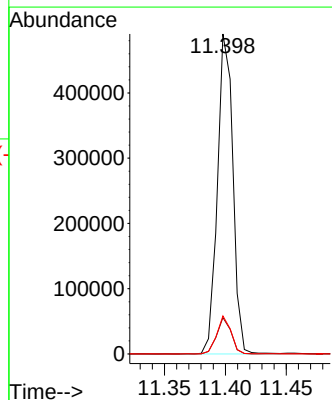
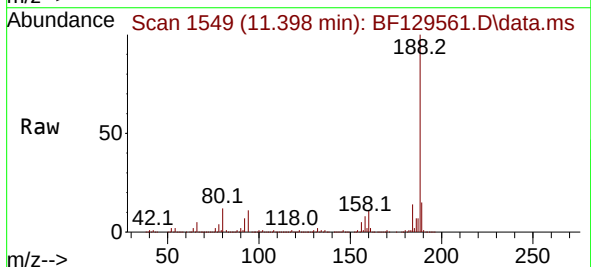
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SS-2

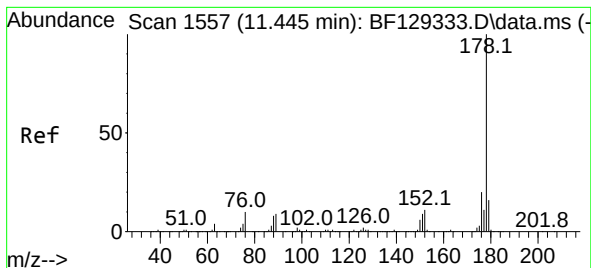
Tgt Ion:165 Resp: 30675
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:188 Resp: 433272
Ion Ratio Lower Upper
188 100
94 11.4 7.0 10.6#
80 11.9 7.6 11.4#





#71

Phenanthrene

Concen: 4.895 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

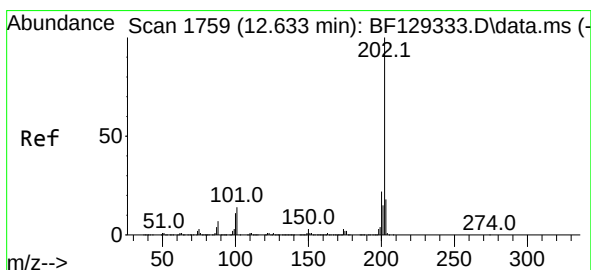
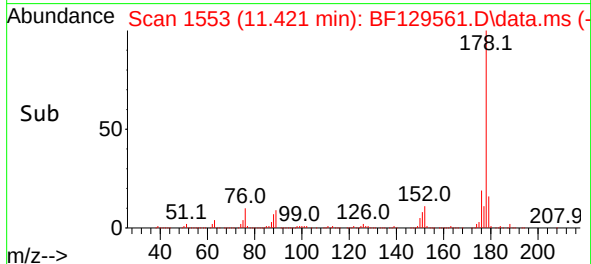
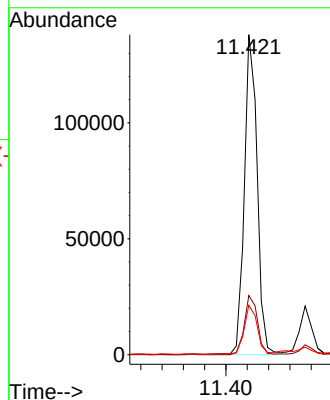
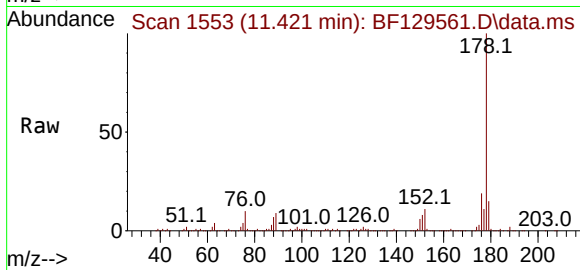
Tgt Ion:178 Resp: 115769

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

179 15.5 12.6 19.0



#75

Fluoranthene

Concen: 12.278 ng

RT: 12.615 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

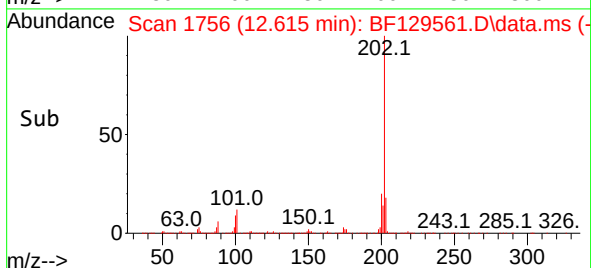
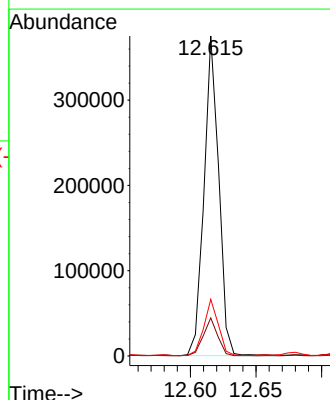
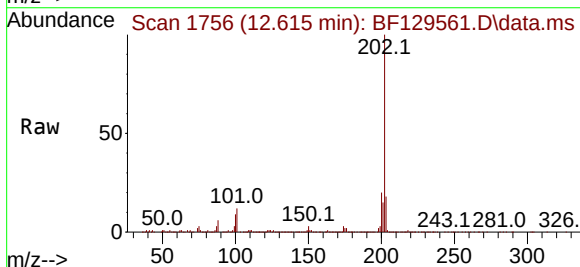
Tgt Ion:202 Resp: 294241

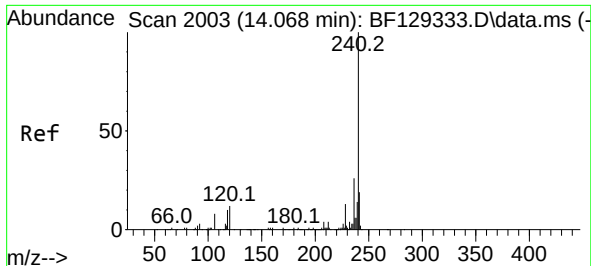
Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

203 17.7 0.0 38.0

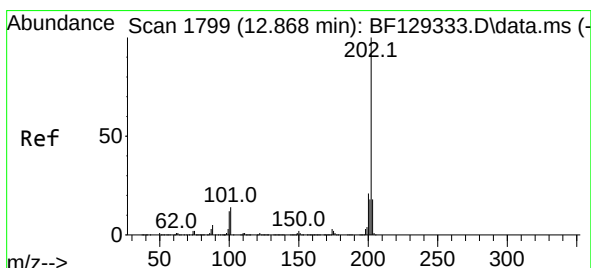
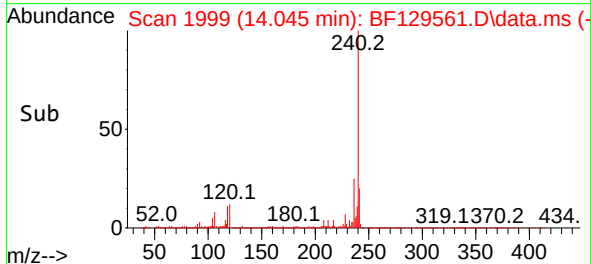
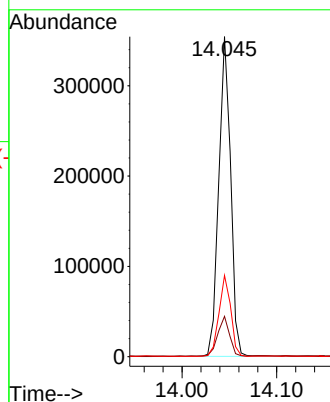
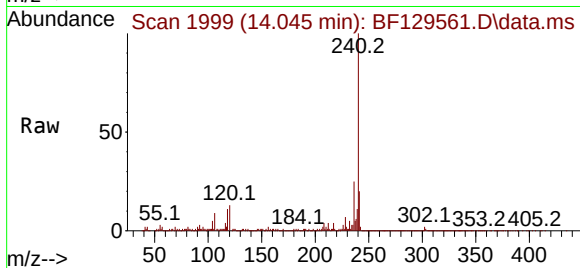




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

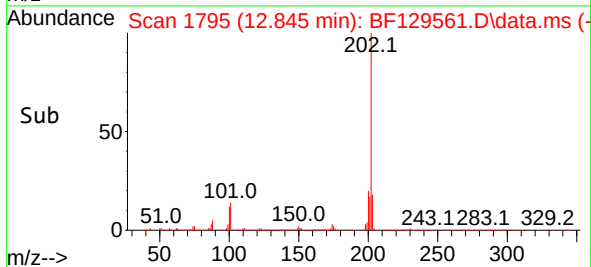
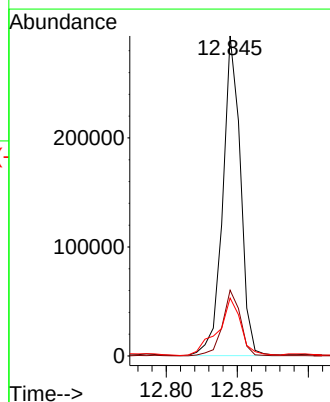
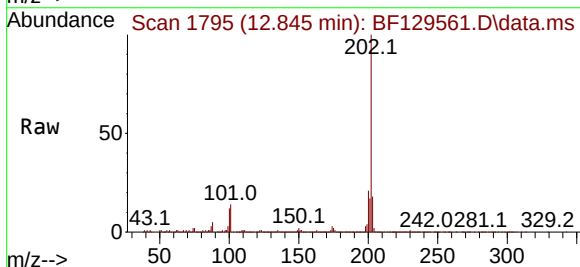
Instrument :
BNA_F
ClientSampleId :
SS-2

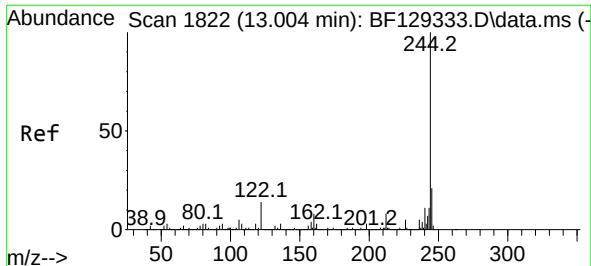
Tgt Ion:240 Resp: 306754
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 25.4 20.8 31.2



#78
Pyrene
Concen: 9.893 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:202 Resp: 253780
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 18.1 14.6 21.8

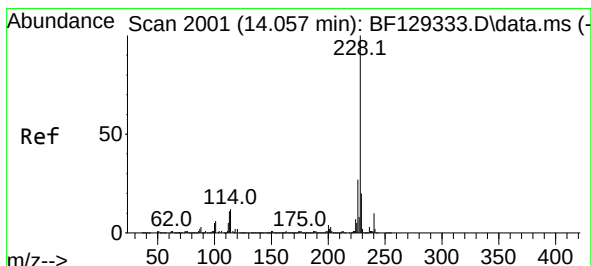
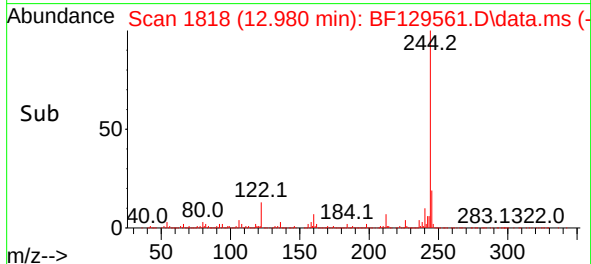
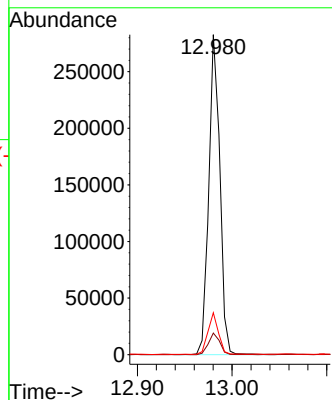
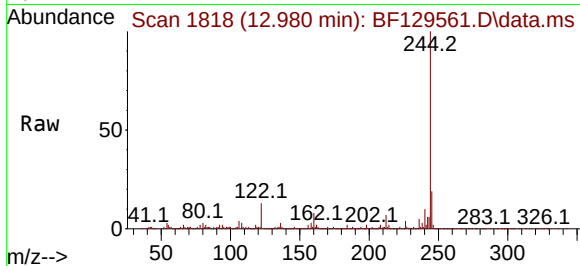




#79
 Terphenyl-d14
 Concen: 14.041 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129561.D
 Acq: 04 Aug 2022 02:32

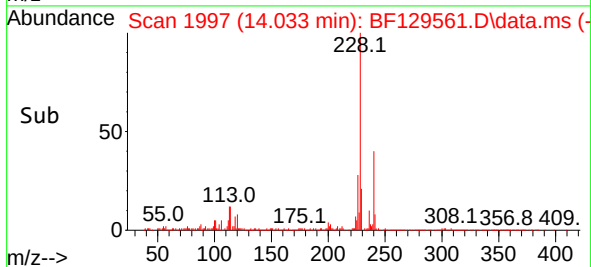
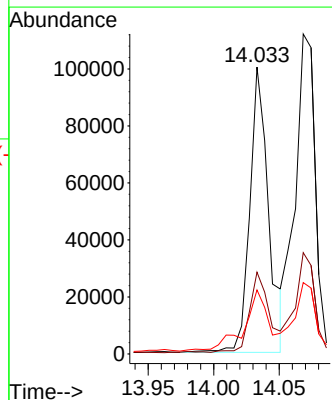
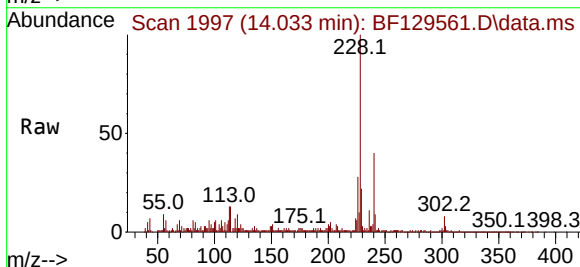
Instrument :
 BNA_F
 ClientSampleId :
 SS-2

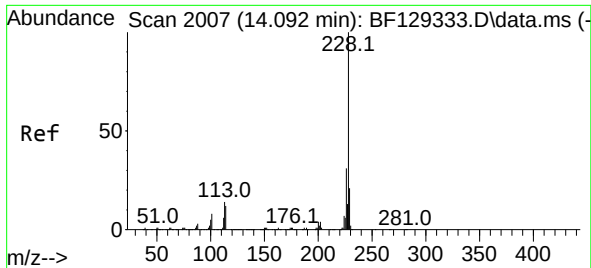
Tgt Ion:244 Resp: 228300
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 13.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 4.757 ng
 RT: 14.033 min Scan# 1997
 Delta R.T. -0.006 min
 Lab File: BF129561.D
 Acq: 04 Aug 2022 02:32

Tgt Ion:228 Resp: 99685
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 22.3 15.8 23.8





#83

Chrysene

Concen: 6.034 ng

RT: 14.068 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

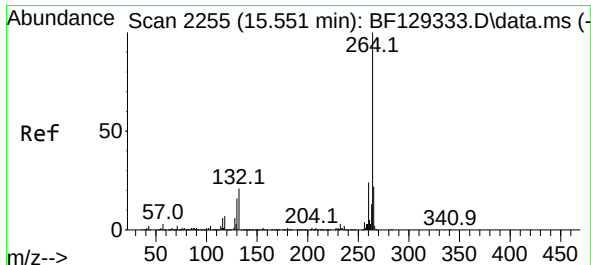
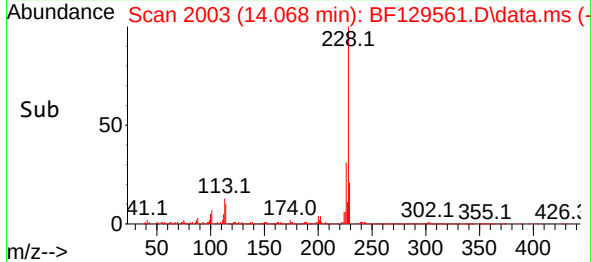
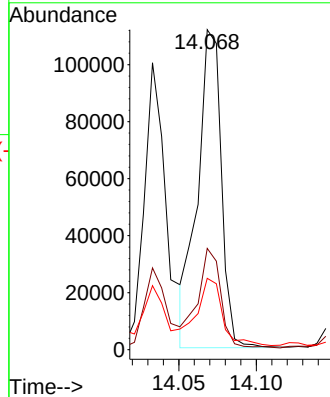
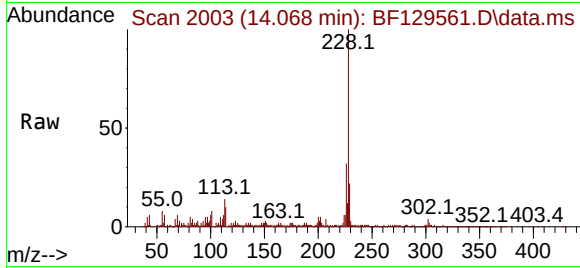
Tgt Ion:228 Resp: 119164

Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 22.3 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2252

Delta R.T. 0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

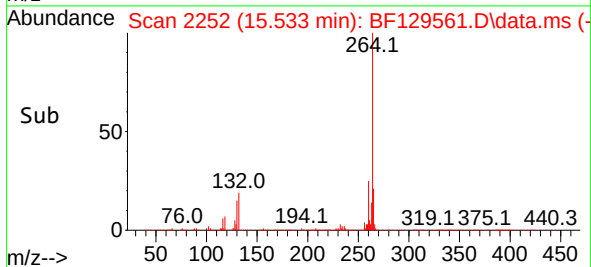
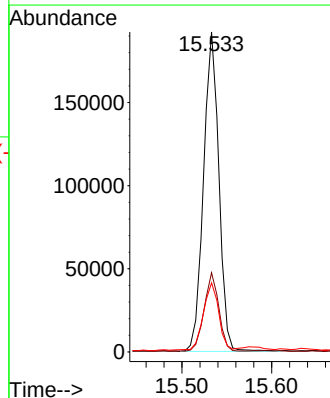
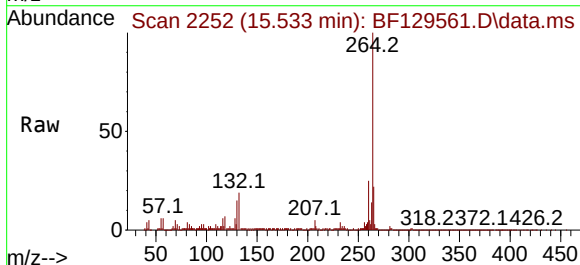
Tgt Ion:264 Resp: 228389

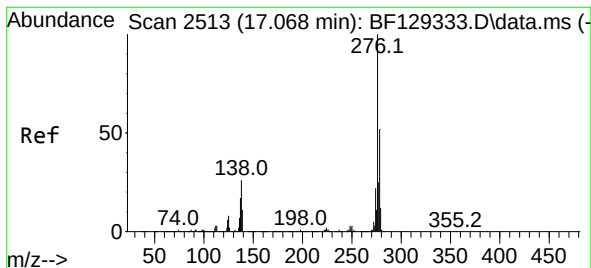
Ion Ratio Lower Upper

264 100

260 24.8 18.4 27.6

265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.137 ng

RT: 17.033 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

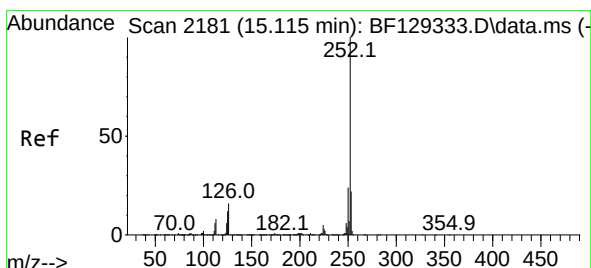
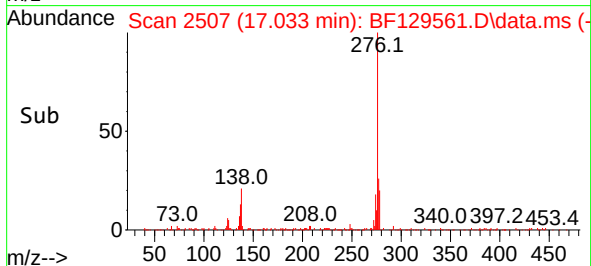
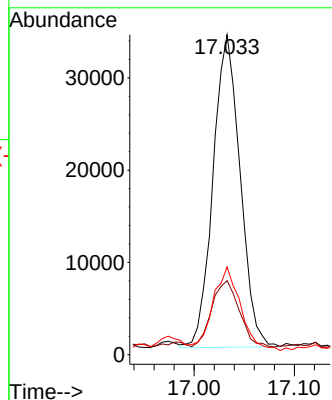
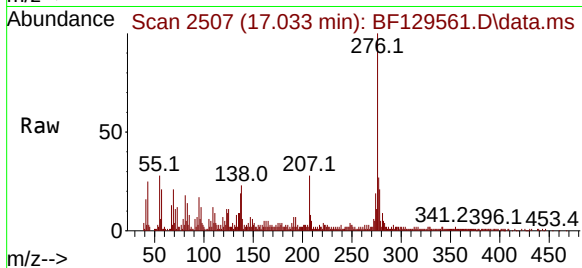
Tgt Ion:276 Resp: 63628

Ion Ratio Lower Upper

276 100

138 22.3 21.1 31.7

277 27.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.949 ng

RT: 15.098 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

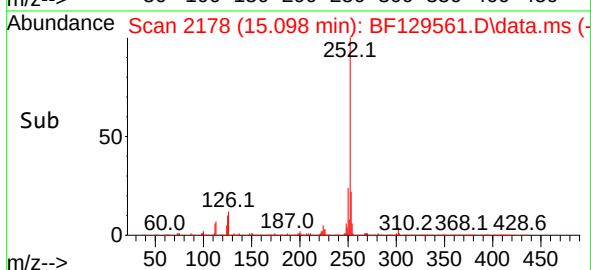
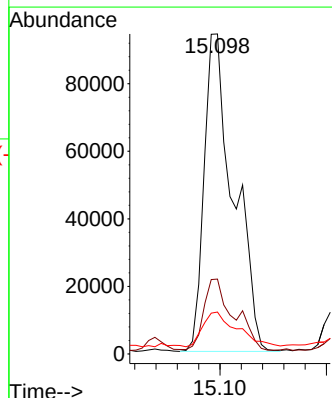
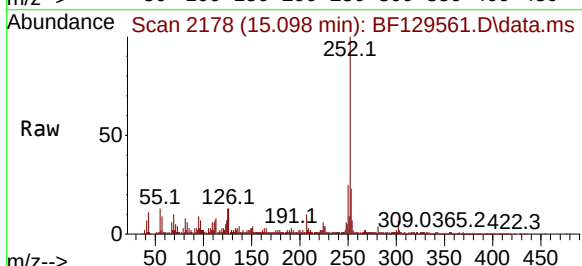
Tgt Ion:252 Resp: 181025

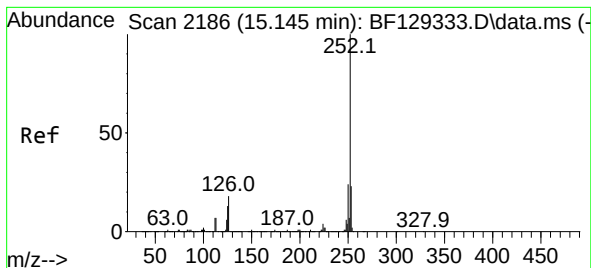
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 12.193 ng

RT: 15.098 min Scan# 2186

Delta R.T. -0.024 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

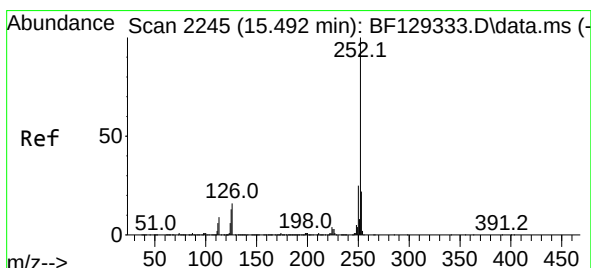
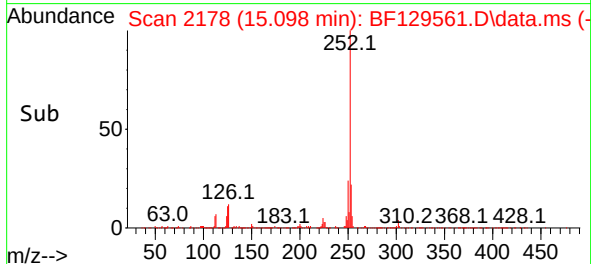
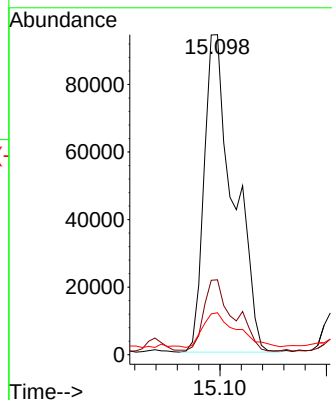
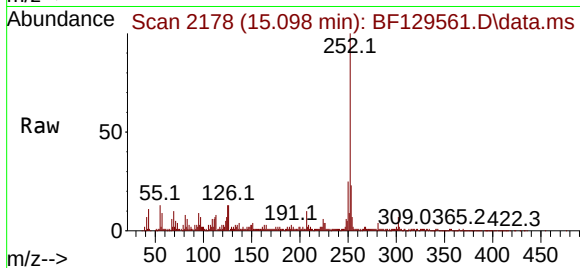
Tgt Ion:252 Resp: 181025

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 13.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 6.431 ng

RT: 15.468 min Scan# 2241

Delta R.T. -0.000 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

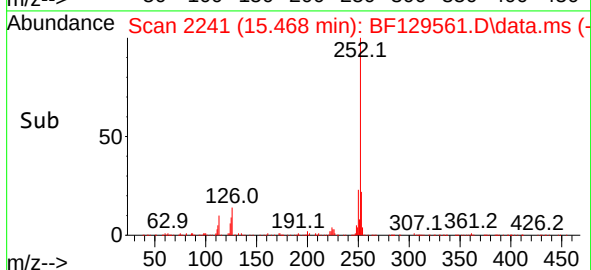
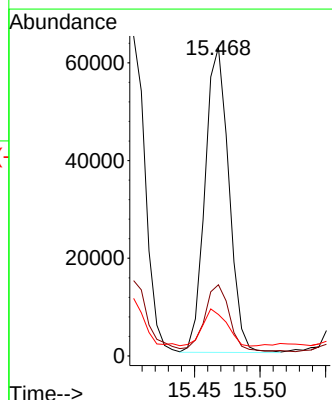
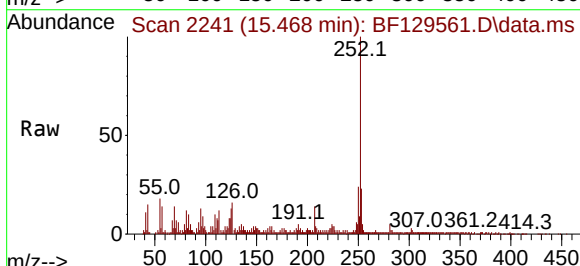
Tgt Ion:252 Resp: 79093

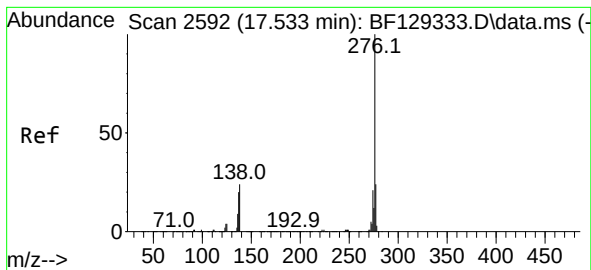
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 13.4 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 5.318 ng

RT: 17.492 min Scan# 2

Delta R.T. -0.000 min

Lab File: BF129561.D

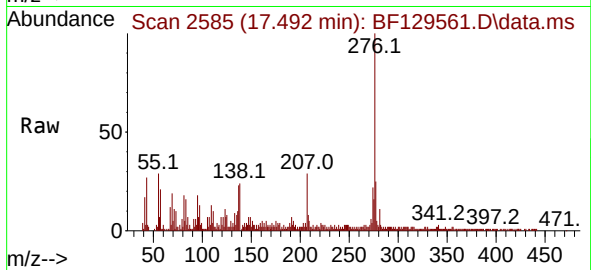
Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2



Tgt Ion:276 Resp: 68022

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 24.2 18.0 27.0

