

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129560.D
 Acq On : 04 Aug 2022 01:59
 Operator : CG\JU
 Sample : N3998-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Quant Time: Aug 04 03:03:33 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

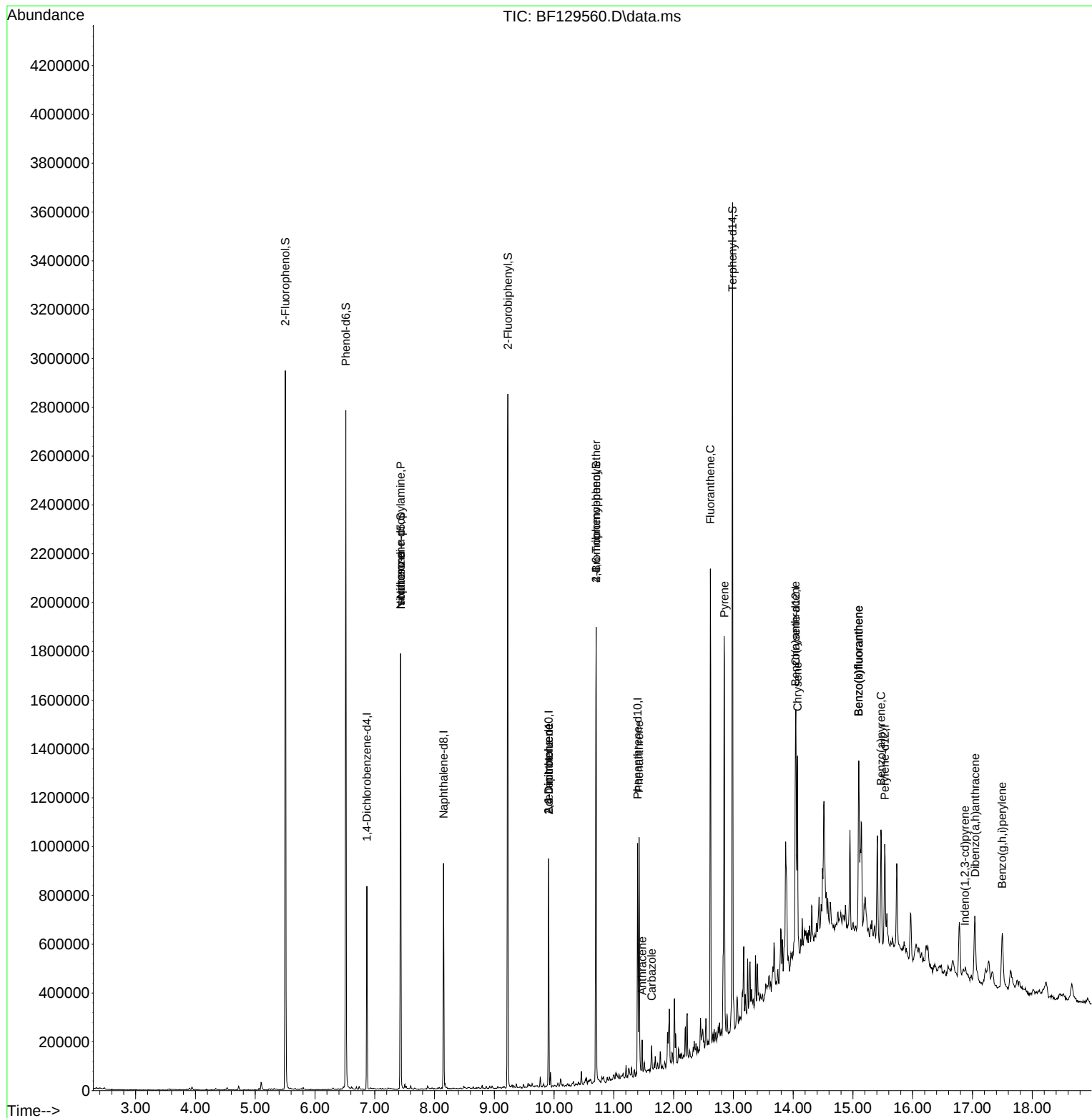
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	107539	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	357115	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	170074	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	320006	20.000	ng	0.00
76) Chrysene-d12	14.045	240	237115	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	168301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	755075	114.379	ng	0.00
7) Phenol-d6	6.516	99	846952	102.070	ng	0.00
23) Nitrobenzene-d5	7.434	82	504622	77.137	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	201367	123.150	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	833660	75.828	ng	0.00
79) Terphenyl-d14	12.986	244	1086837	86.473	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	66521	13.242	ng	# 75
25) Isophorone	7.434	82	503486	42.936	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	22235	8.461	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	22235	6.477	ng	# 22
67) 4-Bromophenyl-phenylether	10.704	248	12684	3.620	ng	# 1
71) Phenanthrene	11.422	178	321896	18.427	ng	99
72) Anthracene	11.474	178	45657	2.660	ng	100
73) Carbazole	11.633	167	35171	2.177	ng	98
75) Fluoranthene	12.616	202	754278	42.616	ng	99
78) Pyrene	12.851	202	693135	34.957	ng	98
81) Benzo(a)anthracene	14.039	228	271173	16.742	ng	97
83) Chrysene	14.074	228	343021	22.471	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	33503	2.956	ng	94
88) Benzo(b)fluoranthene	15.098	252	484389	43.389	ng	# 94
89) Benzo(k)fluoranthene	15.098	252	484389	44.276	ng	# 95
90) Benzo(a)pyrene	15.468	252	217576	24.008	ng	# 95
91) Dibenzo(a,h)anthracene	17.045	278	42158	4.570	ng	# 84
92) Benzo(g,h,i)perylene	17.498	276	196726	20.871	ng	99

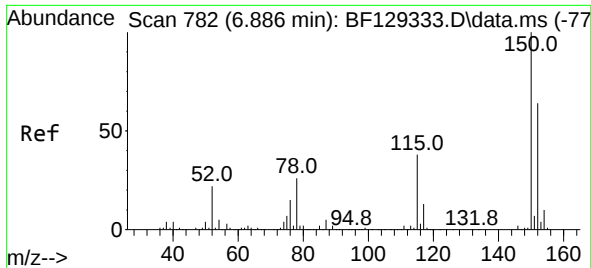
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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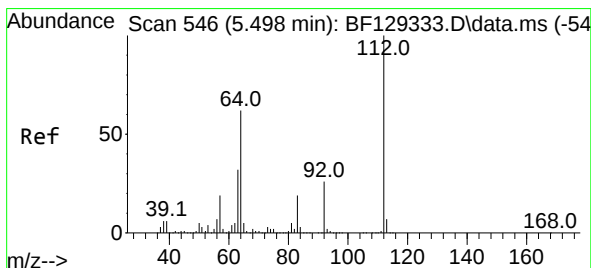
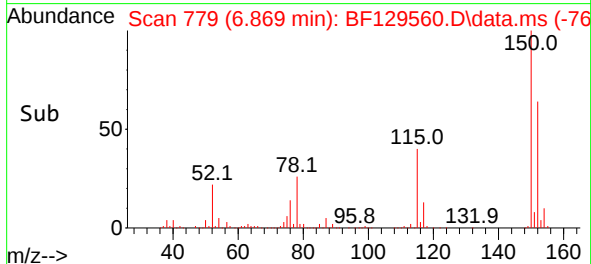
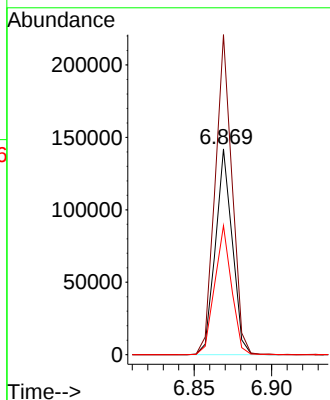
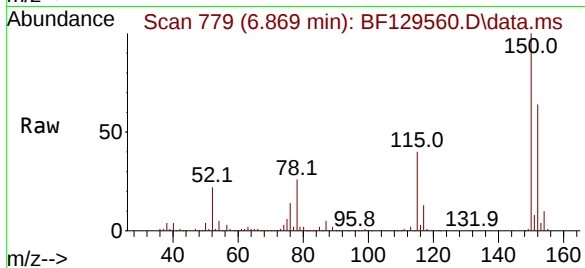




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

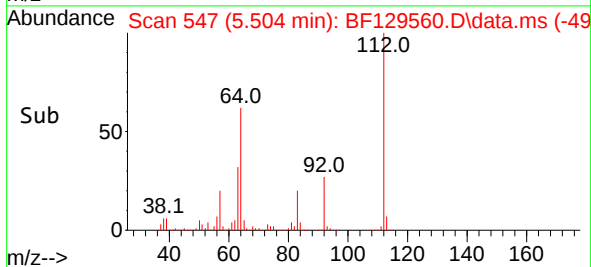
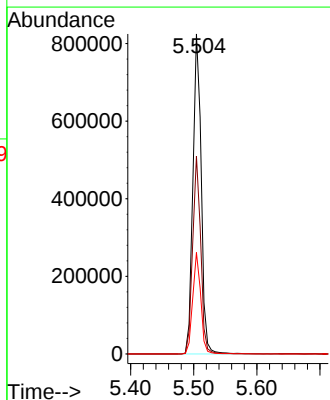
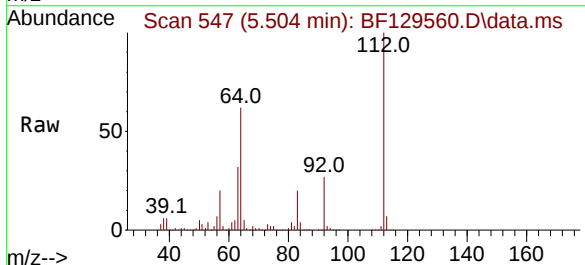
Instrument :
BNA_F
ClientSampleId :
SS-1

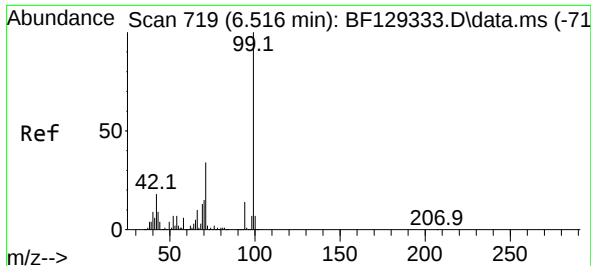
Tgt Ion:152 Resp: 107539
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 62.7 49.9 74.9



#5
2-Fluorophenol
Concen: 114.379 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion:112 Resp: 755075
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 31.7 28.0 42.0





#7
Phenol-d6
Concen: 102.070 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

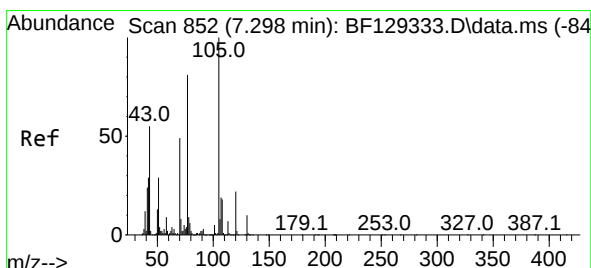
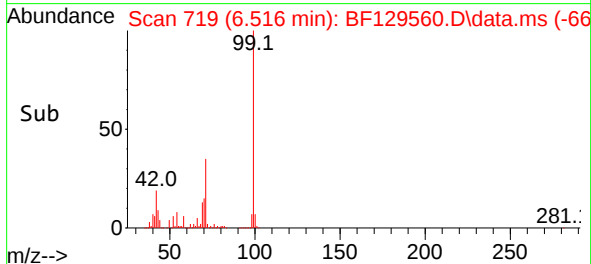
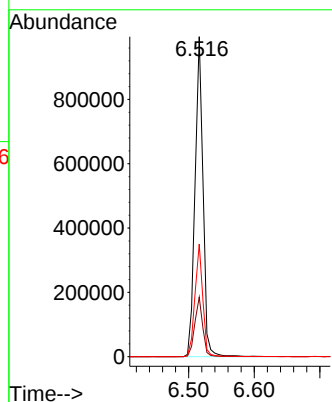
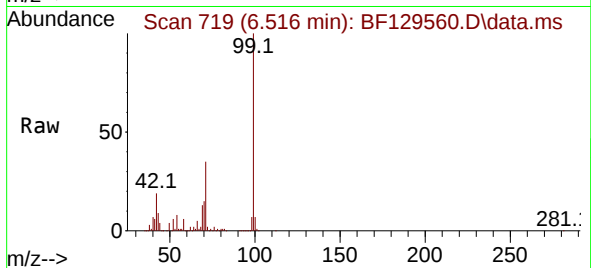
Instrument :

BNA_F

ClientSampleId :

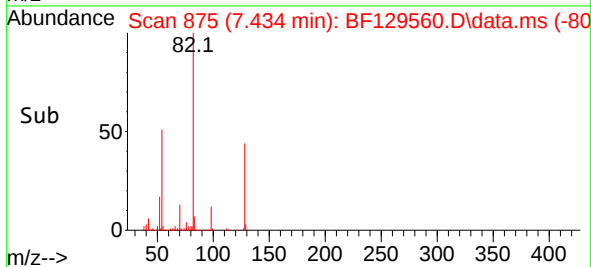
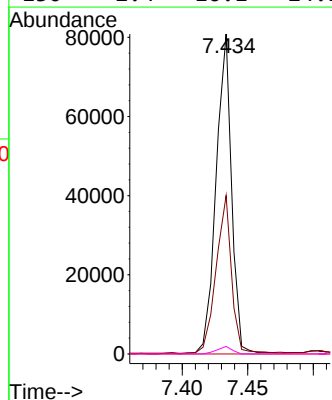
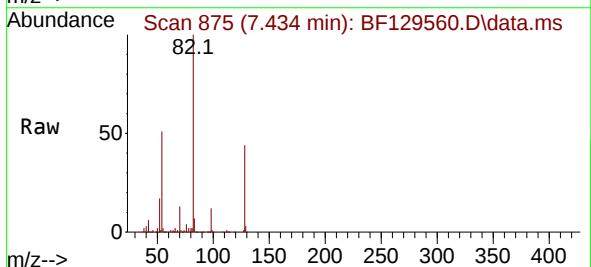
SS-1

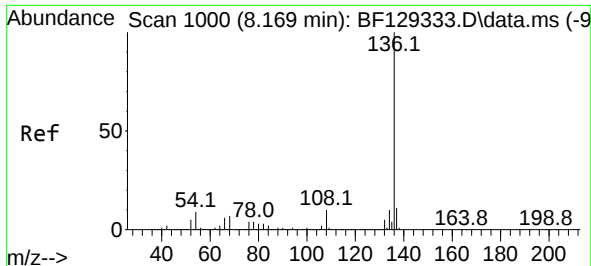
Tgt Ion: 99 Resp: 846952
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 35.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.242 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.141 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion: 70 Resp: 66521
Ion Ratio Lower Upper
70 100
42 49.5 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#



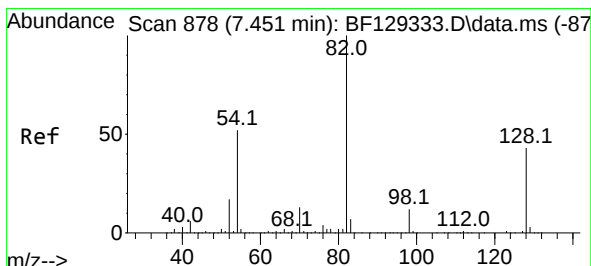
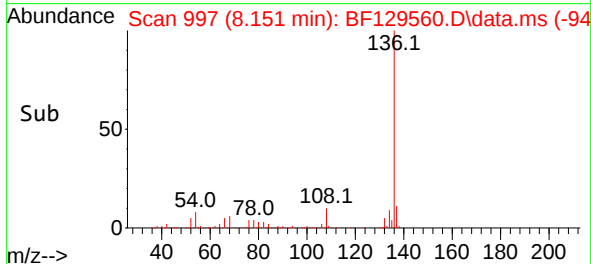
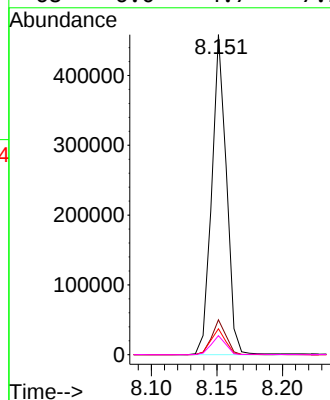
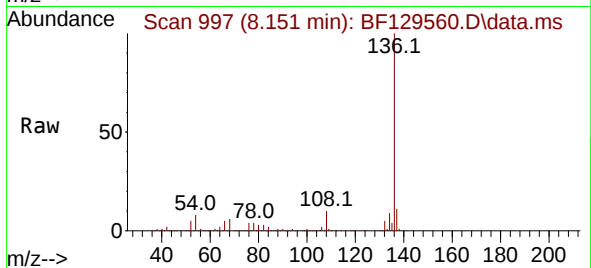


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Instrument :
BNA_F
ClientSampleId :
SS-1

Tgt Ion:136 Resp: 357115

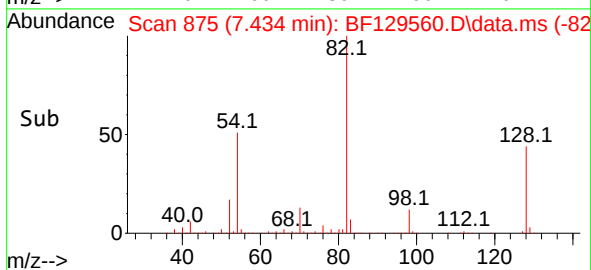
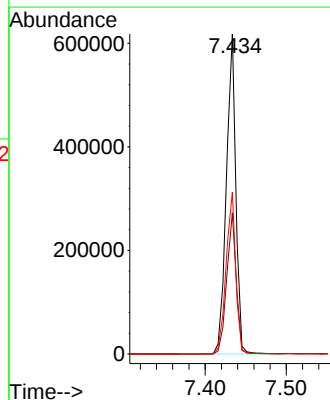
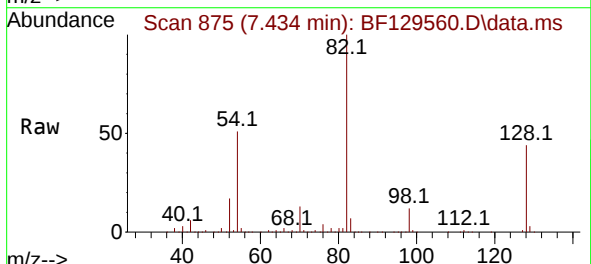
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	7.5	11.3
68	6.0	4.7	7.1

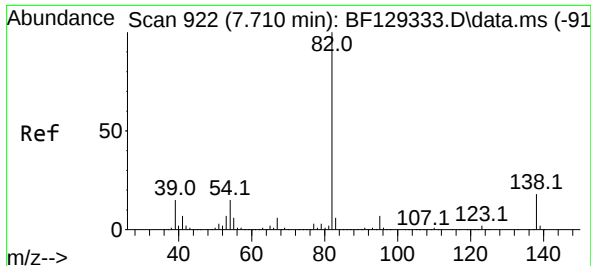


#23
Nitrobenzene-d5
Concen: 77.137 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion: 82 Resp: 504622

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	50.6	46.9	70.3

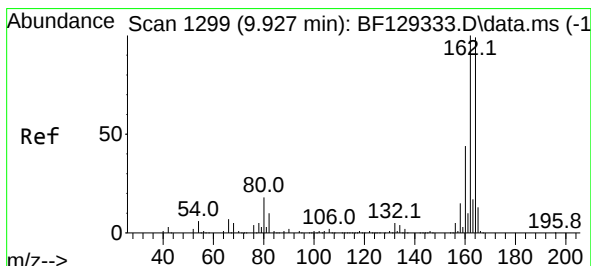
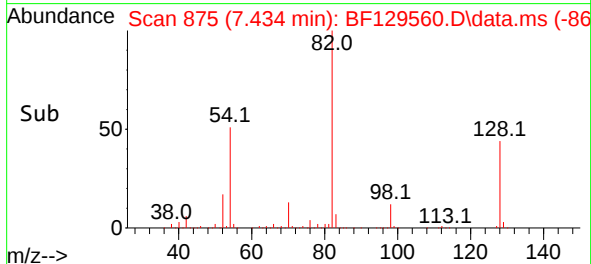
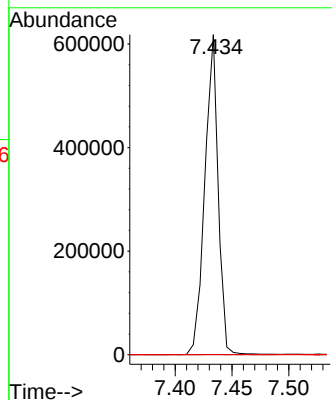
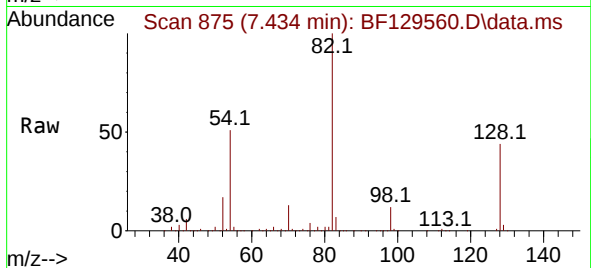




#25
Isophorone
Concen: 42.936 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

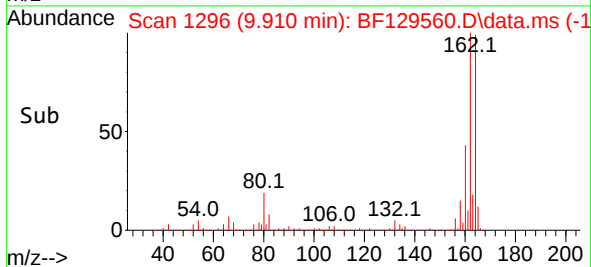
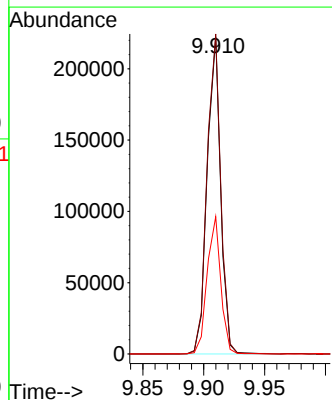
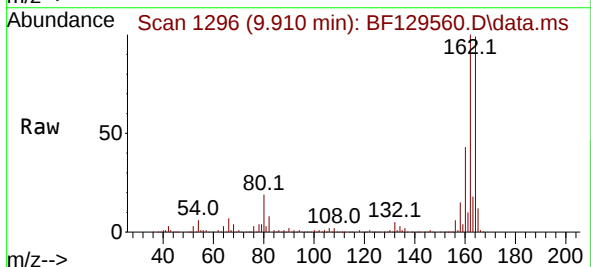
Instrument :
BNA_F
ClientSampleId :
SS-1

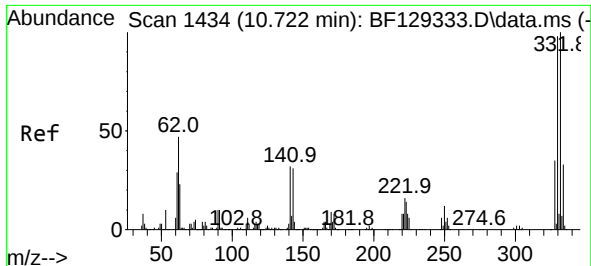
Tgt Ion: 82 Resp: 503486
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion:164 Resp: 170074
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 43.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 123.150 ng

RT: 10.704 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

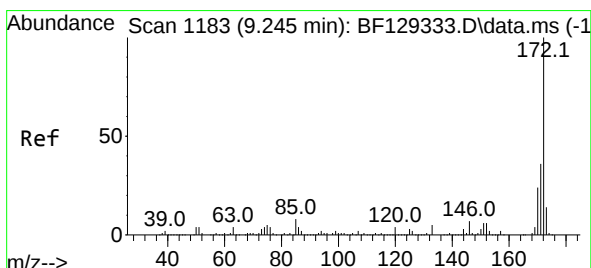
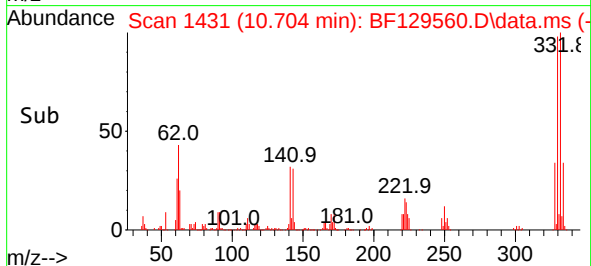
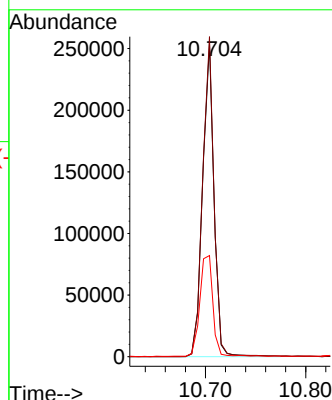
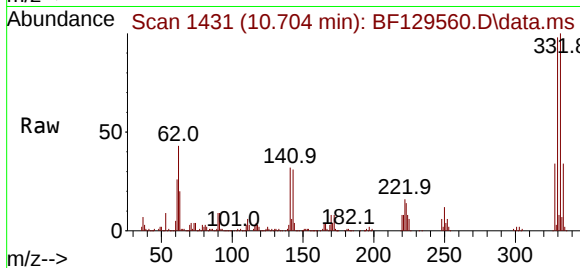
Tgt Ion:330 Resp: 201367

Ion Ratio Lower Upper

330 100

332 102.0 76.8 115.2

141 37.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.828 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

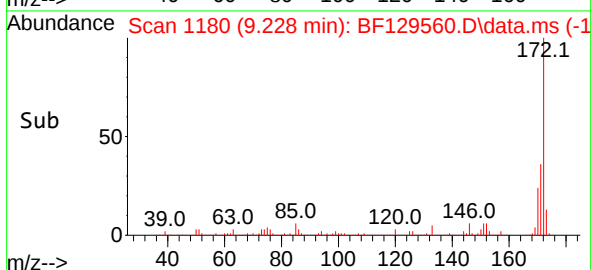
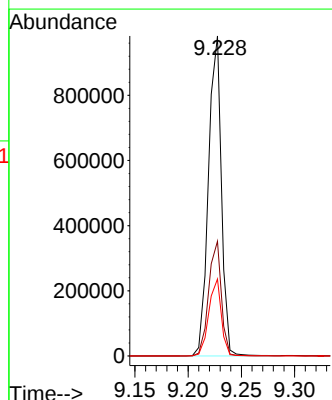
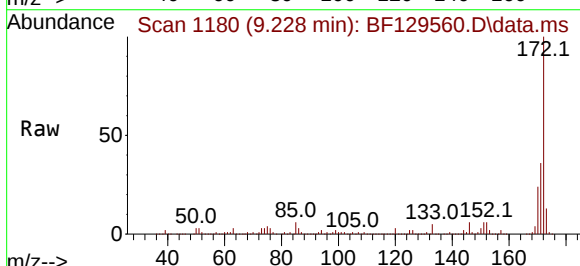
Tgt Ion:172 Resp: 833660

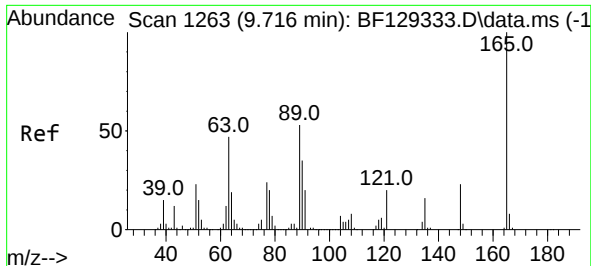
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.0 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.461 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

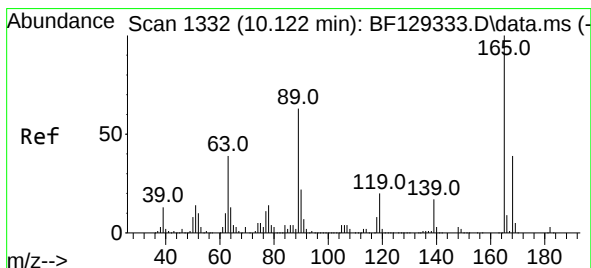
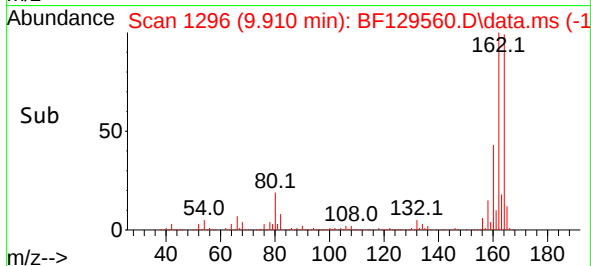
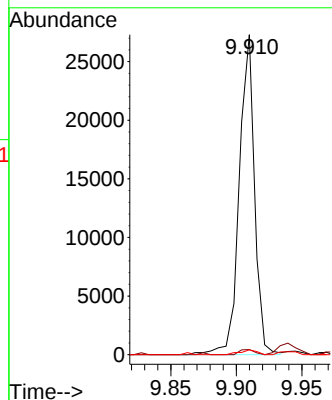
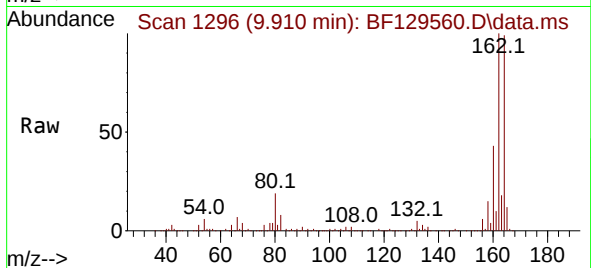
Tgt Ion:165 Resp: 22235

Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.5 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.477 ng

RT: 9.910 min Scan# 1296

Delta R.T. -0.200 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Tgt Ion:165 Resp: 22235

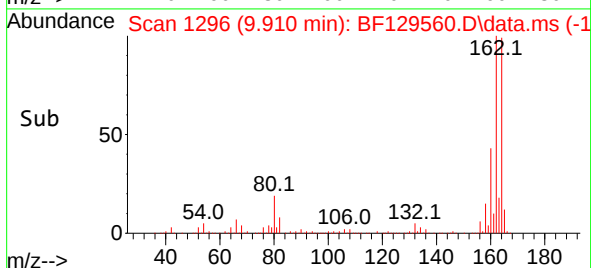
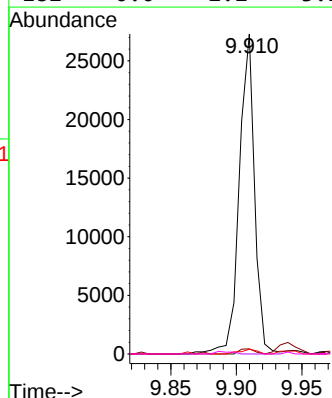
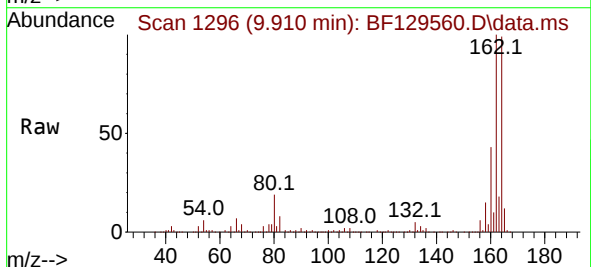
Ion Ratio Lower Upper

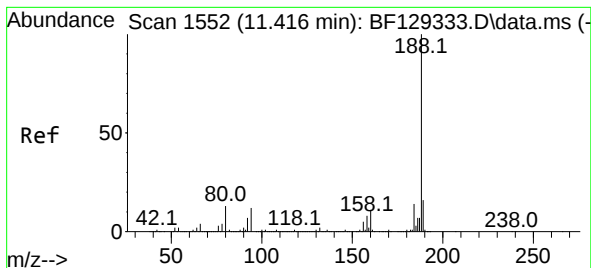
165 100

63 1.6 39.8 59.6#

89 1.5 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

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SS-1

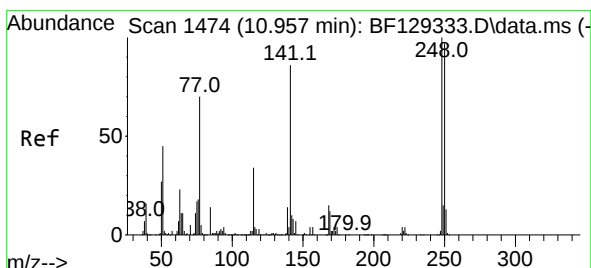
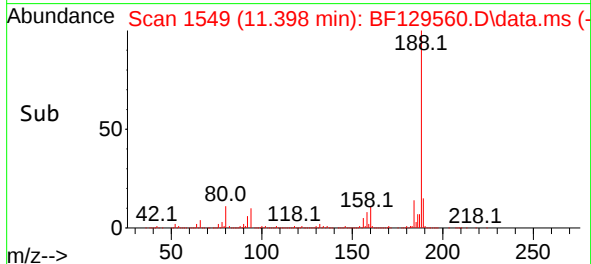
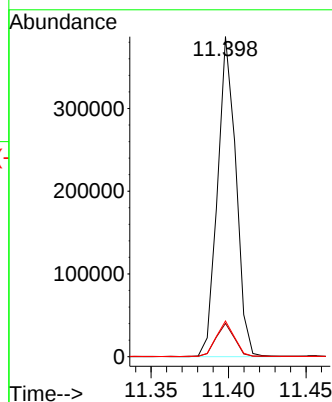
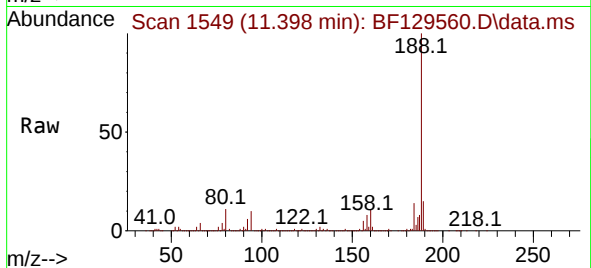
Tgt Ion:188 Resp: 320006

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 11.1 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.620 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.241 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

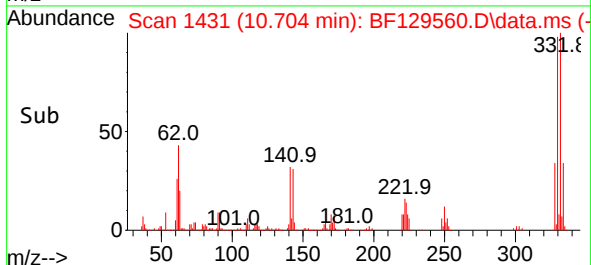
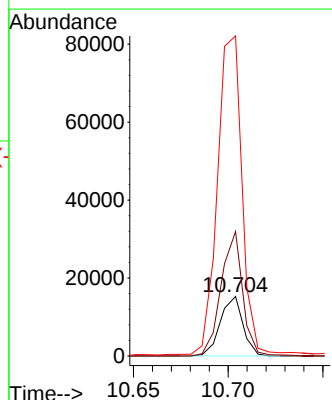
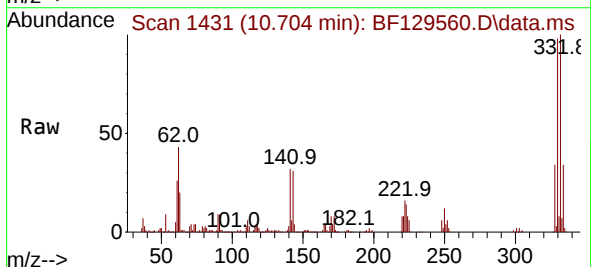
Tgt Ion:248 Resp: 12684

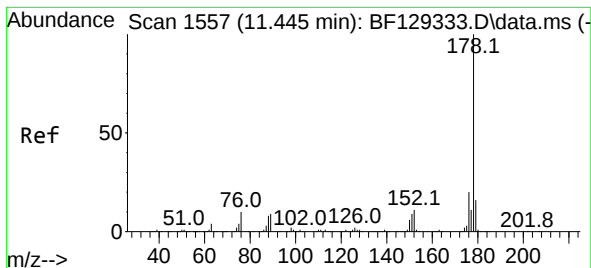
Ion Ratio Lower Upper

248 100

250 209.2 80.6 120.8#

141 537.8 58.9 88.3#





#71

Phenanthrene

Concen: 18.427 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

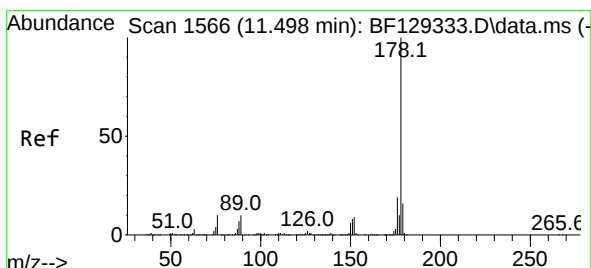
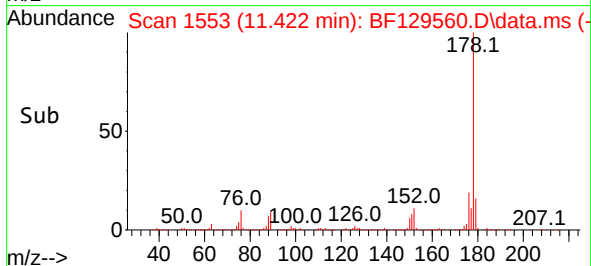
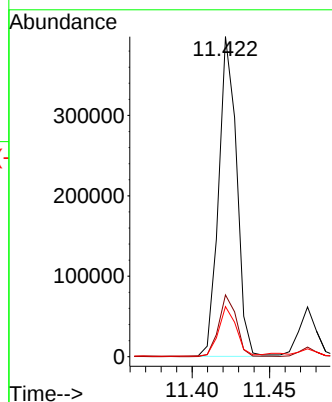
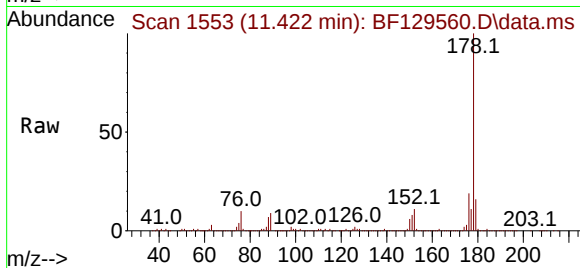
Tgt Ion:178 Resp: 321896

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 15.7 12.6 19.0



#72

Anthracene

Concen: 2.660 ng

RT: 11.474 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

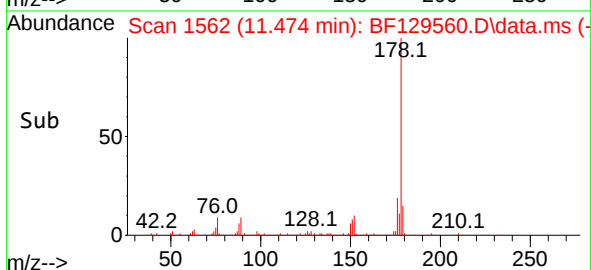
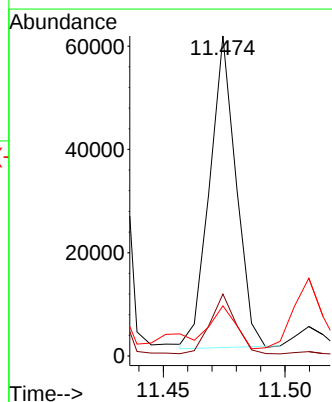
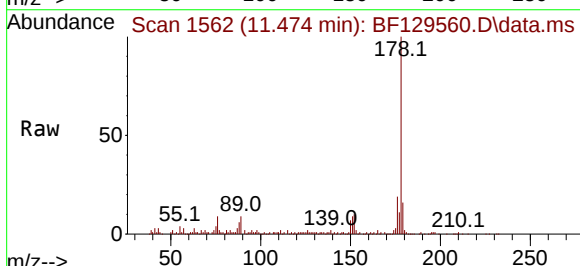
Tgt Ion:178 Resp: 45657

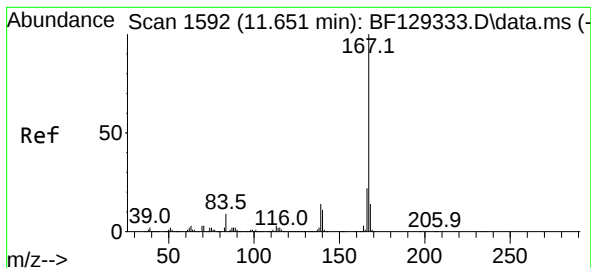
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.7 12.6 19.0





#73

Carbazole

Concen: 2.177 ng

RT: 11.633 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

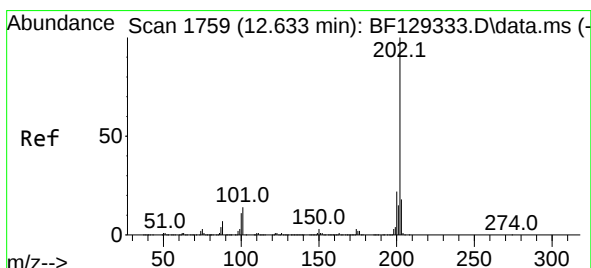
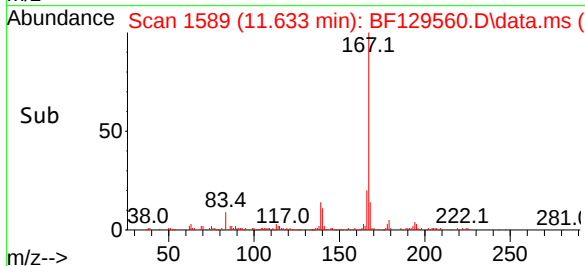
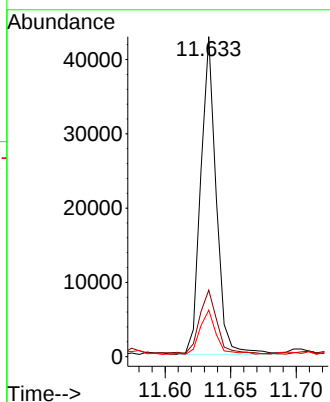
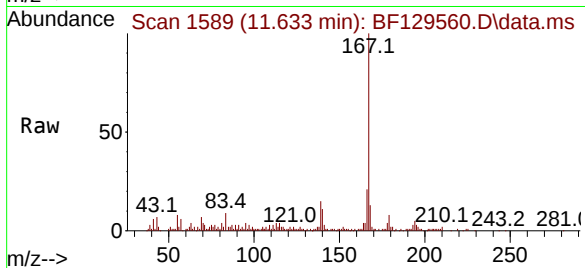
Tgt Ion:167 Resp: 35171

Ion Ratio Lower Upper

167 100

166 20.8 17.7 26.5

139 14.6 11.2 16.8



#75

Fluoranthene

Concen: 42.616 ng

RT: 12.616 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

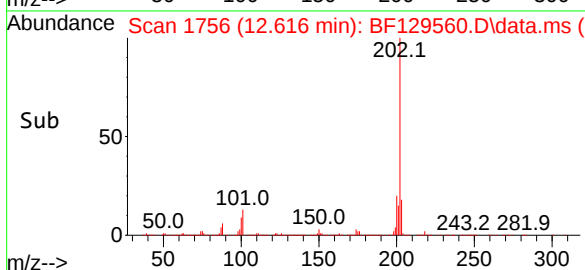
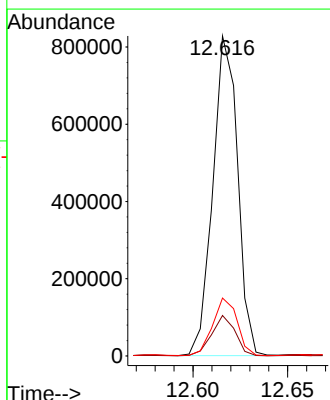
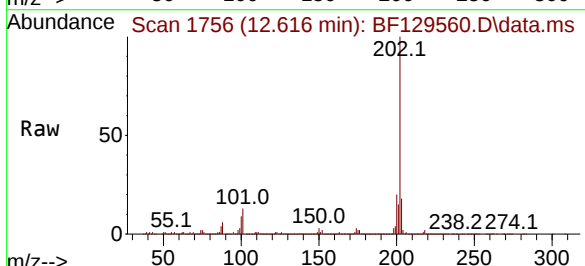
Tgt Ion:202 Resp: 754278

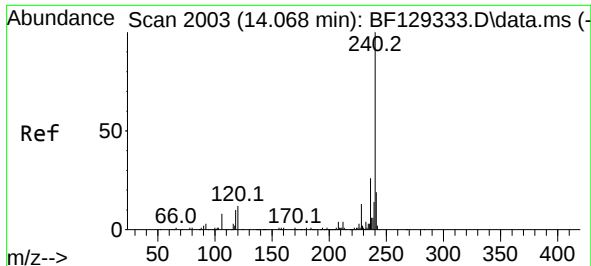
Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.4

203 18.1 0.0 38.0

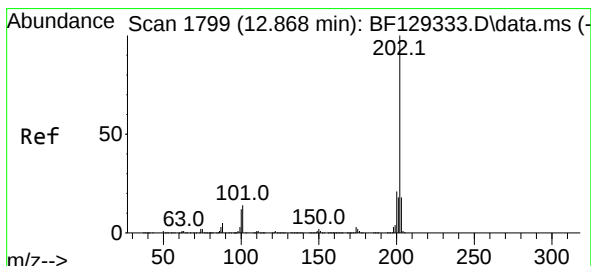
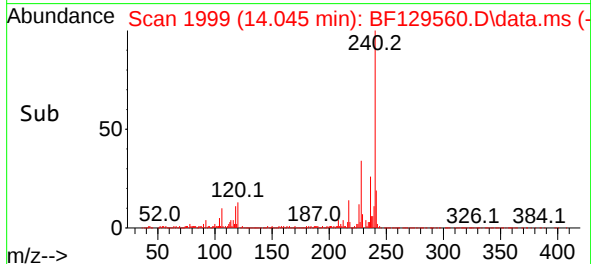
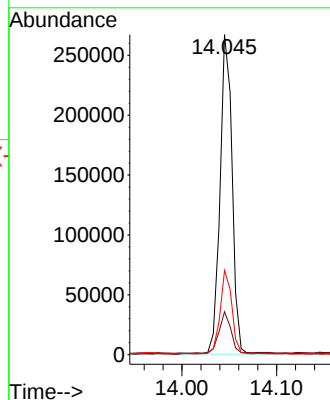
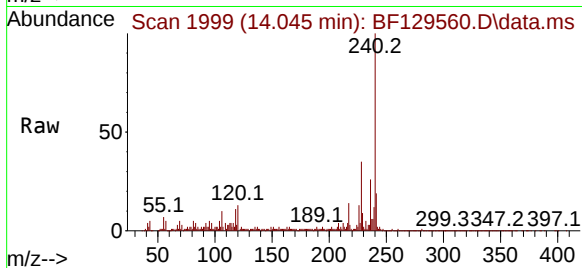




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

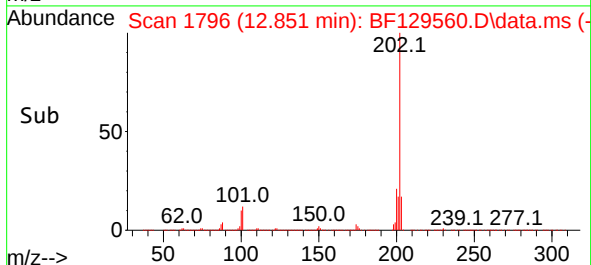
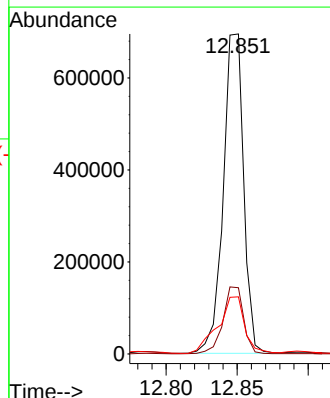
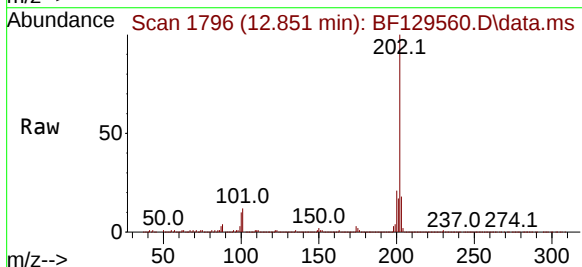
Instrument :
BNA_F
ClientSampleId :
SS-1

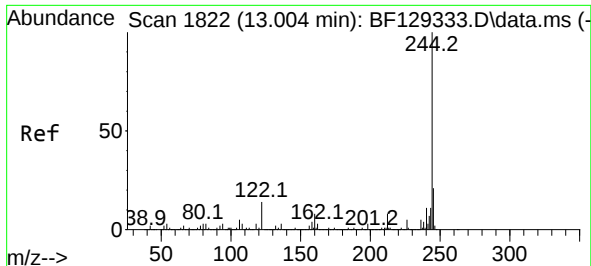
Tgt Ion:240 Resp: 237115
Ion Ratio Lower Upper
240 100
120 13.4 8.9 13.3#
236 26.3 20.8 31.2



#78
Pyrene
Concen: 34.957 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion:202 Resp: 693135
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.8 14.6 21.8

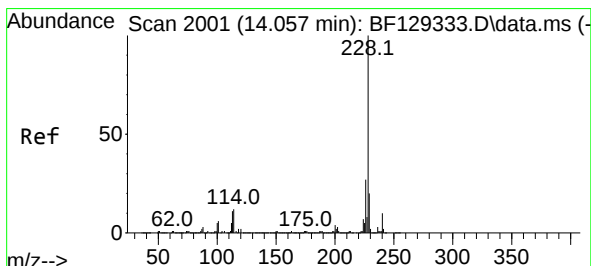
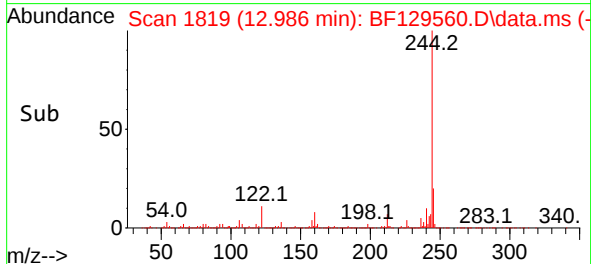
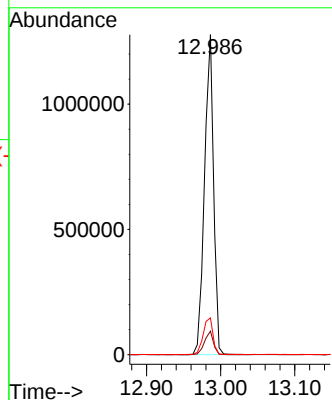
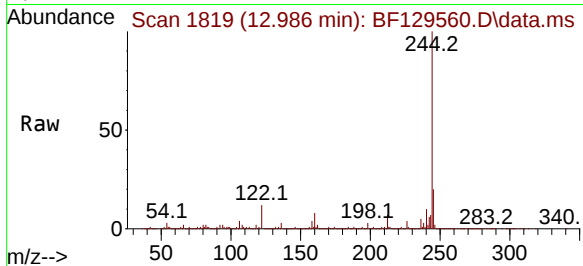




#79
 Terphenyl-d14
 Concen: 86.473 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129560.D
 Acq: 04 Aug 2022 01:59

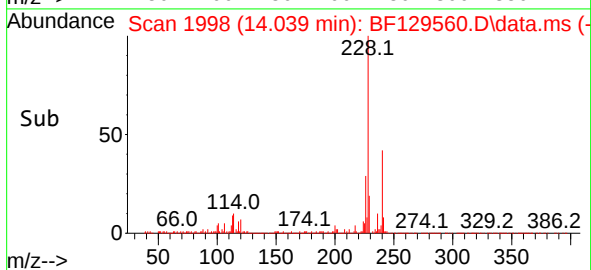
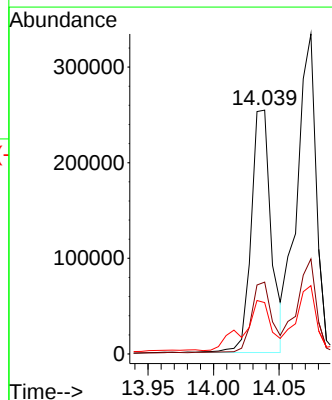
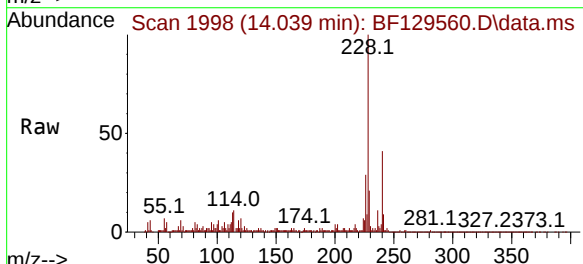
Instrument :
 BNA_F
 ClientSampleId :
 SS-1

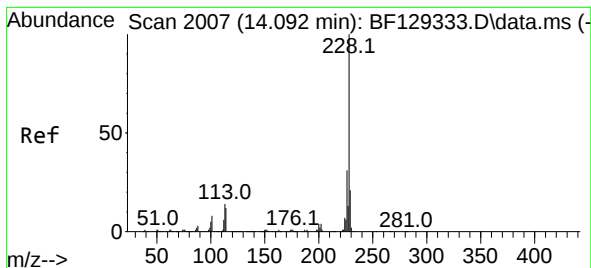
Tgt Ion:244 Resp: 1086837
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.5 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 16.742 ng
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: BF129560.D
 Acq: 04 Aug 2022 01:59

Tgt Ion:228 Resp: 271173
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.1 33.1
 229 21.1 15.8 23.8





#83

Chrysene

Concen: 22.471 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

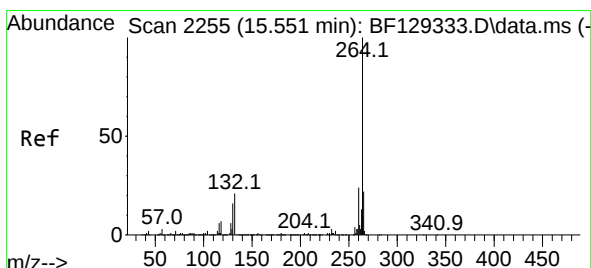
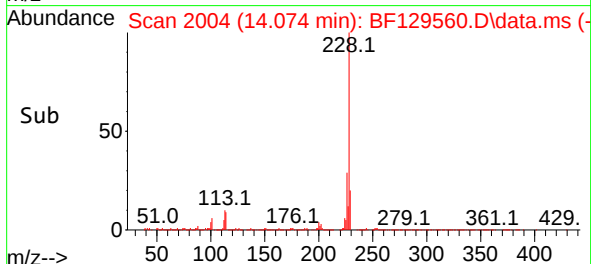
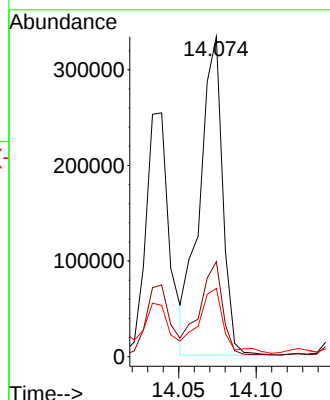
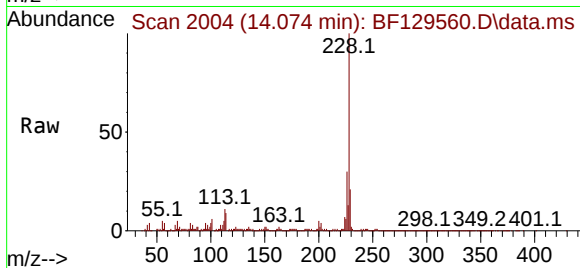
Tgt Ion:228 Resp: 343021

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 21.3 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: BF129560.D

Acq: 04 Aug 2022 01:59

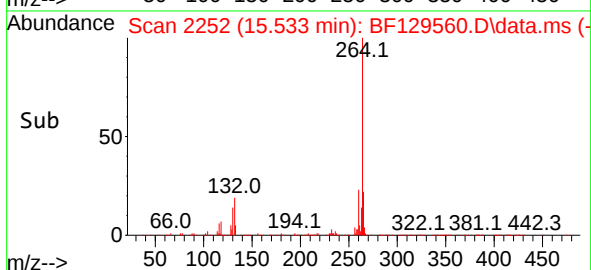
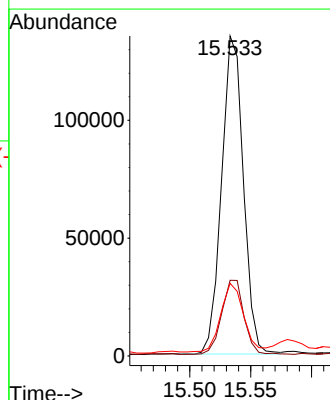
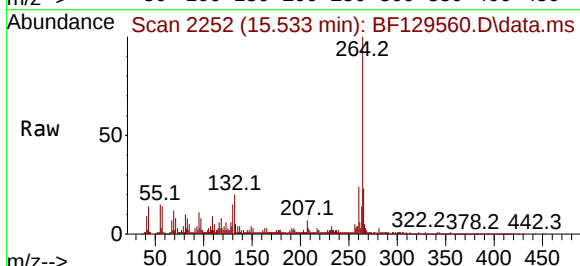
Tgt Ion:264 Resp: 168301

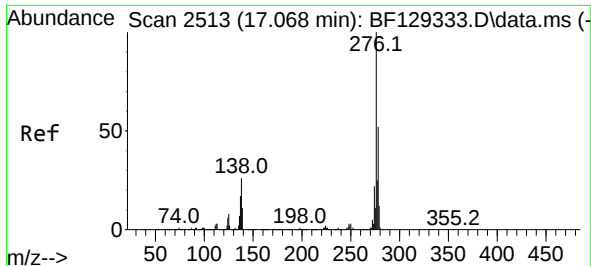
Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.7 17.2 25.8

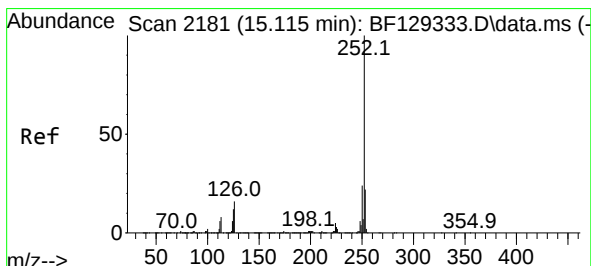
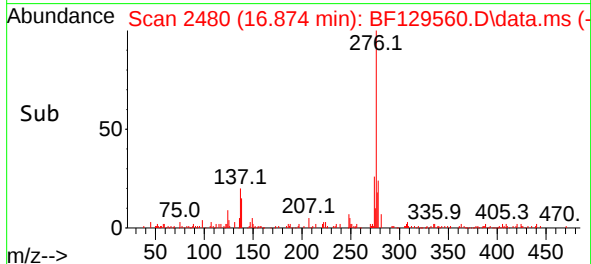
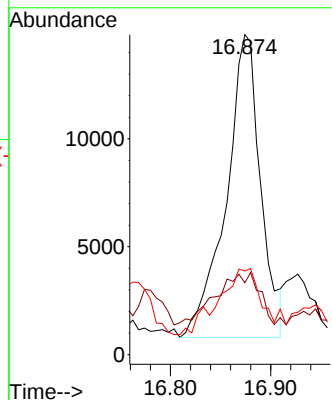
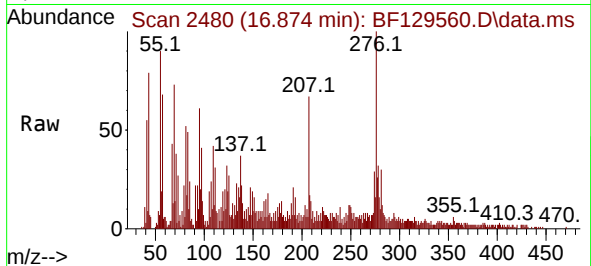




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.956 ng
RT: 16.874 min Scan# 24
Delta R.T. -0.159 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

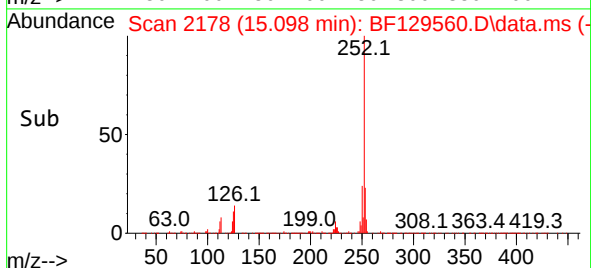
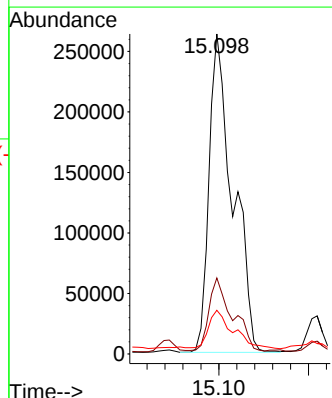
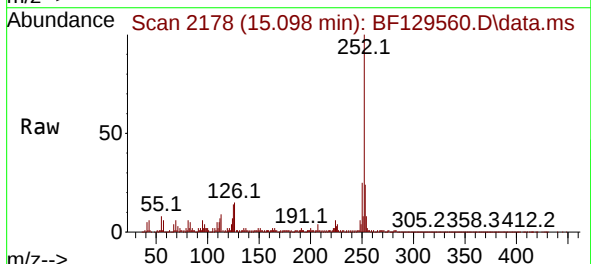
Instrument :
BNA_F
ClientSampleId :
SS-1

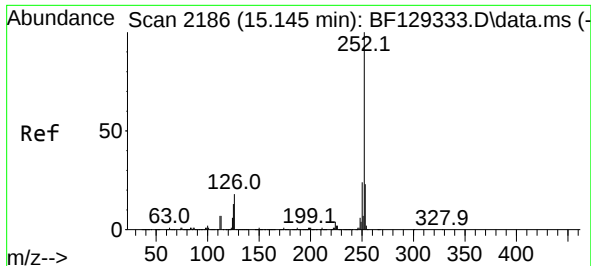
Tgt Ion:276 Resp: 33503
Ion Ratio Lower Upper
276 100
138 21.3 21.1 31.7
277 26.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 43.389 ng
RT: 15.098 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion:252 Resp: 484389
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.7 8.0 12.0#

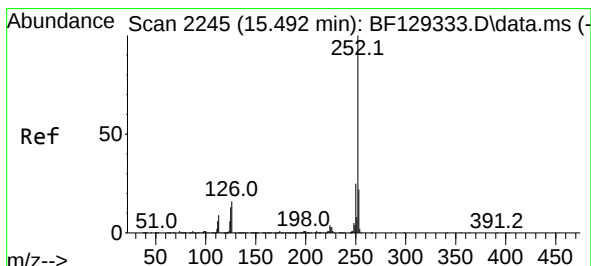
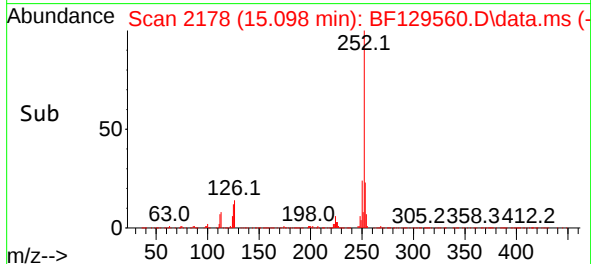
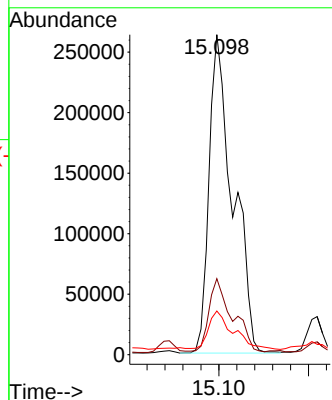
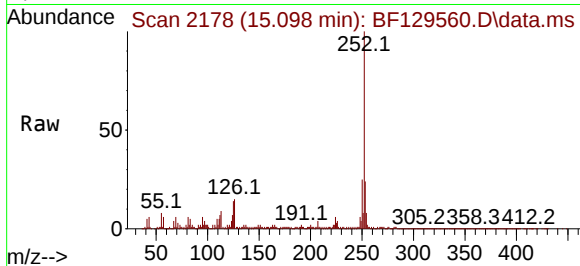




#89
Benzo(k)fluoranthene
Concen: 44.276 ng
RT: 15.098 min Scan# 2186
Delta R.T. -0.024 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

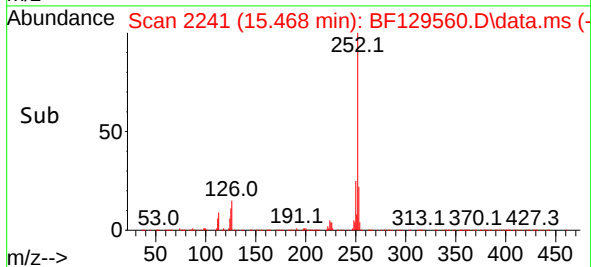
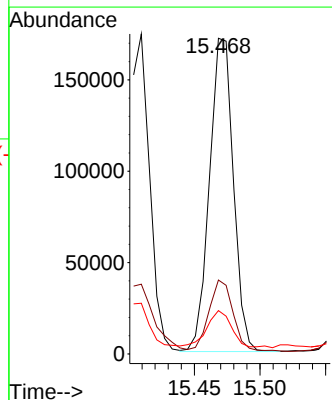
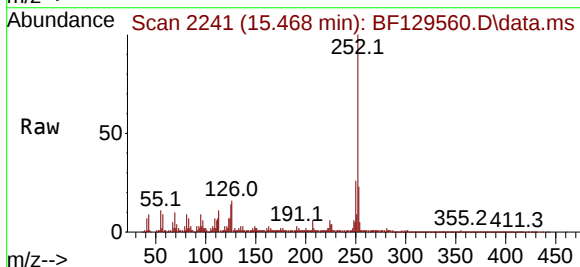
Instrument :
BNA_F
ClientSampleId :
SS-1

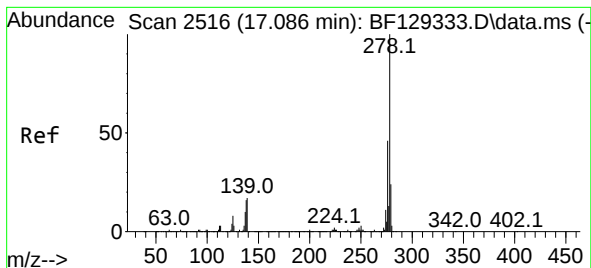
Tgt Ion:252 Resp: 484389
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 13.7 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 24.008 ng
RT: 15.468 min Scan# 2241
Delta R.T. -0.000 min
Lab File: BF129560.D
Acq: 04 Aug 2022 01:59

Tgt Ion:252 Resp: 217576
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.7 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 4.570 ng

RT: 17.045 min Scan# 2

Delta R.T. -0.000 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Instrument :

BNA_F

ClientSampleId :

SS-1

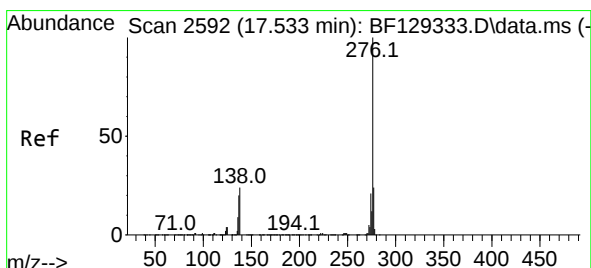
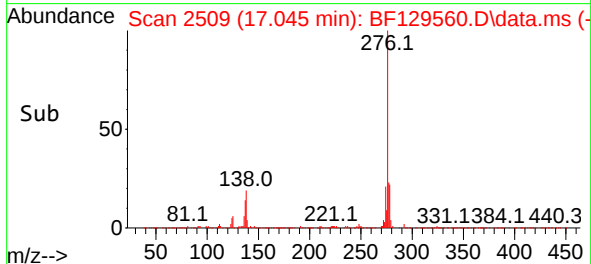
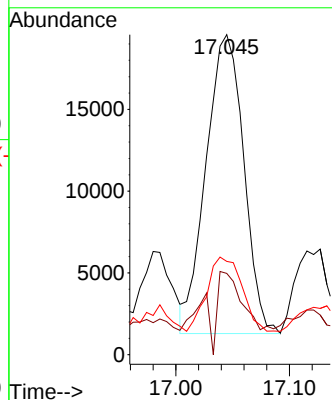
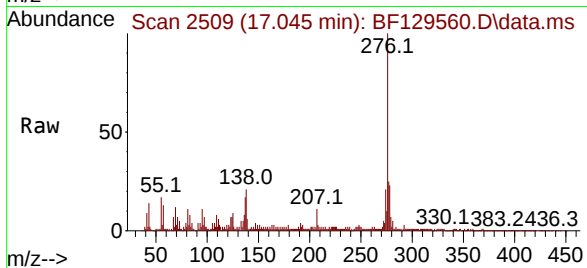
Tgt Ion:278 Resp: 42158

Ion Ratio Lower Upper

278 100

139 25.4 12.8 19.2#

279 29.2 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 20.871 ng

RT: 17.498 min Scan# 2586

Delta R.T. 0.006 min

Lab File: BF129560.D

Acq: 04 Aug 2022 01:59

Tgt Ion:276 Resp: 196726

Ion Ratio Lower Upper

276 100

277 23.0 19.1 28.7

138 21.9 18.0 27.0

