

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129643.D
 Acq On : 08 Aug 2022 21:40
 Operator : CG\JU
 Sample : N4064-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Quant Time: Aug 09 00:36:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

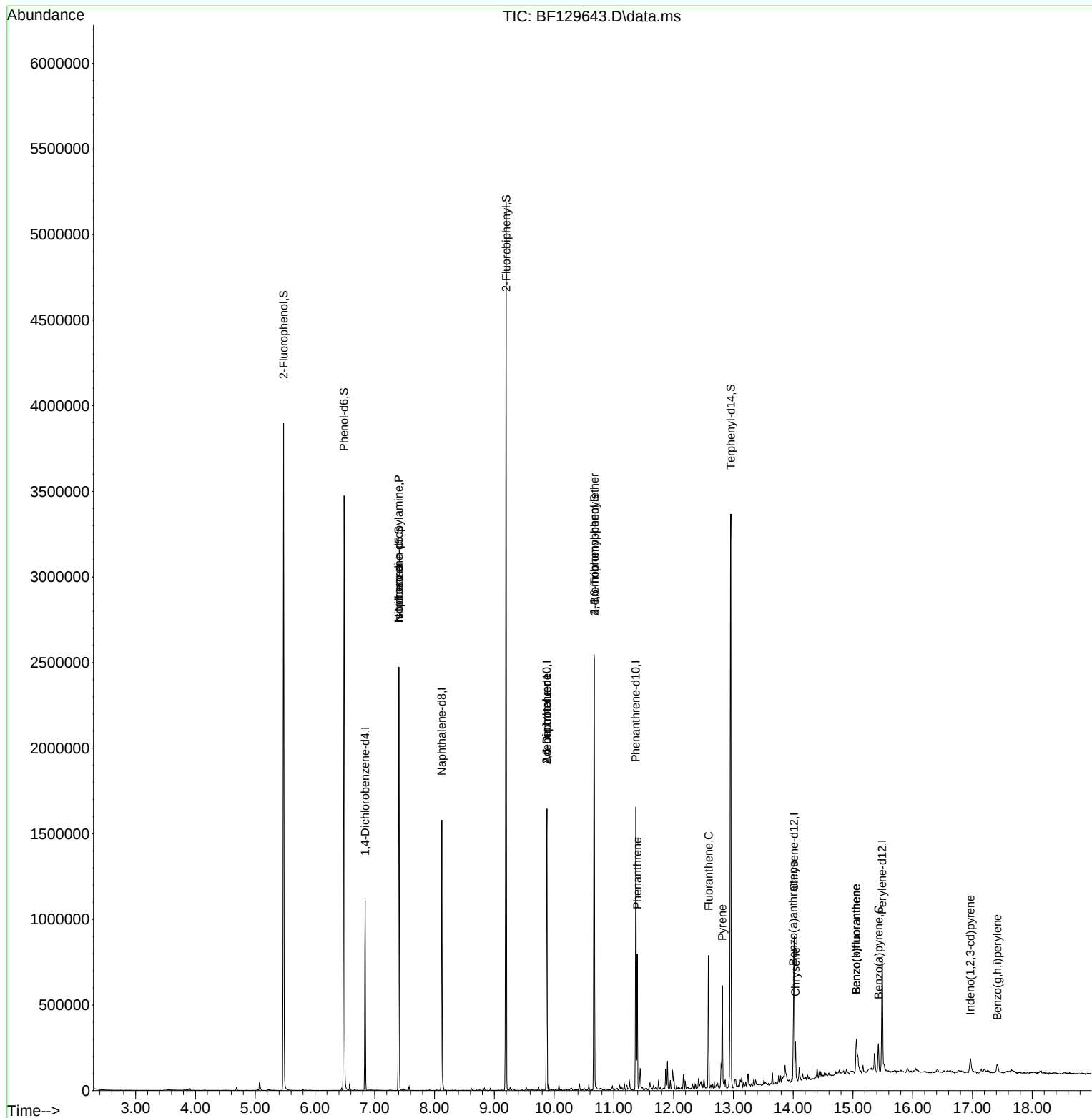
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	152756	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	614265	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	331058	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	539375	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	247740	20.000	ng	-0.01
86) Perylene-d12	15.492	264	300713	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1005224	107.198	ng	0.00
7) Phenol-d6	6.487	99	1270842	107.820	ng	-0.02
23) Nitrobenzene-d5	7.404	82	800557	71.144	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	312842	98.289	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1428171	66.735	ng	-0.01
79) Terphenyl-d14	12.957	244	1171109	89.182	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	105931	14.846	ng	# 73
25) Isophorone	7.404	82	796812	39.504	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	43306	8.466	ng	# 25
57) 2,4-Dinitrotoluene	9.880	165	43306	6.481	ng	# 21
67) 4-Bromophenyl-phenylether	10.674	248	19793	3.351	ng	# 1
71) Phenanthrene	11.392	178	249468	8.473	ng	98
75) Fluoranthene	12.586	202	297704	9.979	ng	99
78) Pyrene	12.816	202	229444	11.075	ng	98
81) Benzo(a)anthracene	14.004	228	95474	5.642	ng	98
83) Chrysene	14.039	228	76527	4.798	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	46027	2.273	ng	96
88) Benzo(b)fluoranthene	15.057	252	135923	6.814	ng	96
89) Benzo(k)fluoranthene	15.057	252	135923	6.953	ng	97
90) Benzo(a)pyrene	15.427	252	77096	4.761	ng	99
92) Benzo(g,h,i)perylene	17.415	276	39427	2.341	ng	96

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

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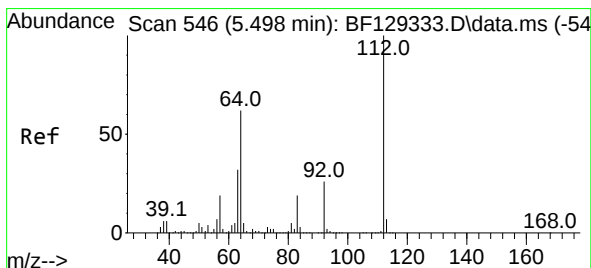
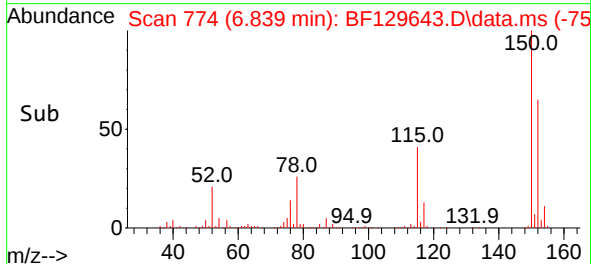
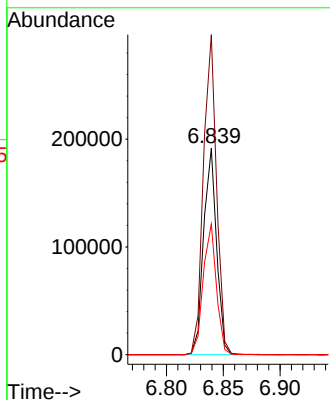
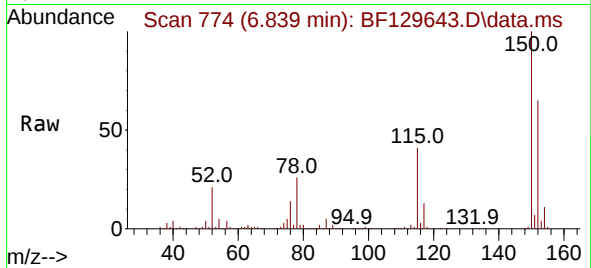




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

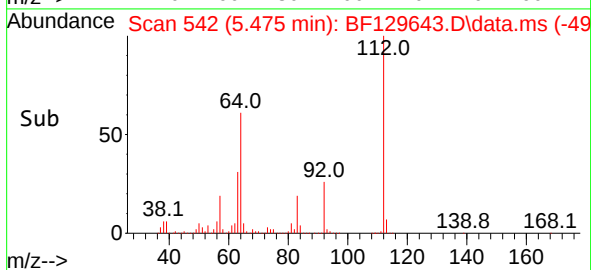
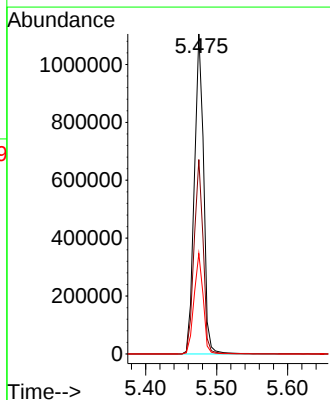
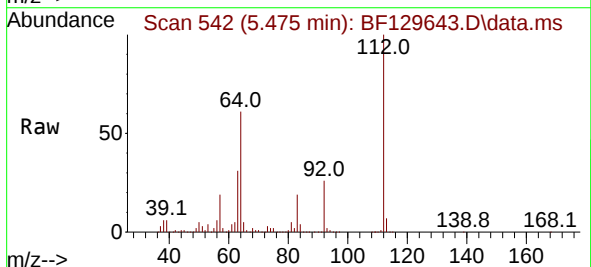
Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 152756
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 63.3 49.9 74.9



#5
2-Fluorophenol
Concen: 107.198 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion:112 Resp: 1005224
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 31.4 28.0 42.0



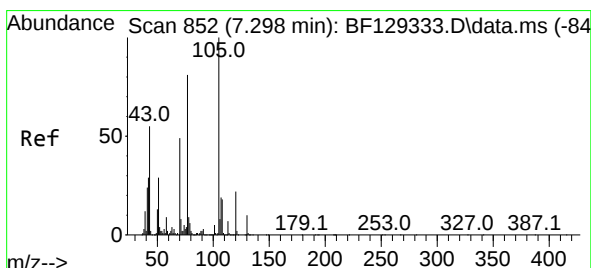
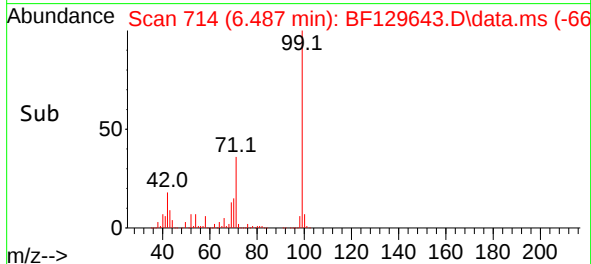
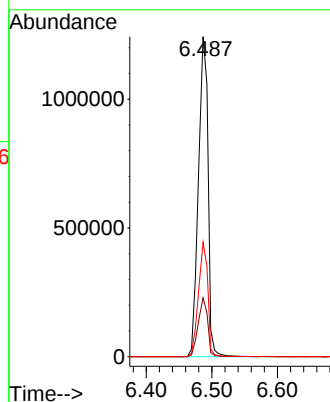
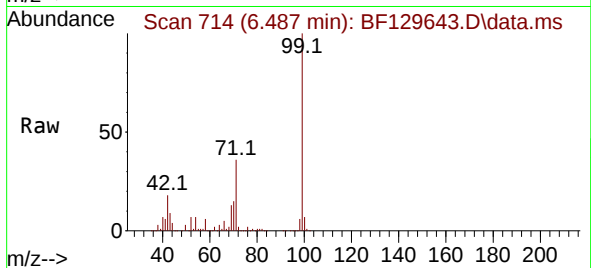


#7
Phenol-d6
Concen: 107.820 ng
RT: 6.487 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 99 Resp: 1270842

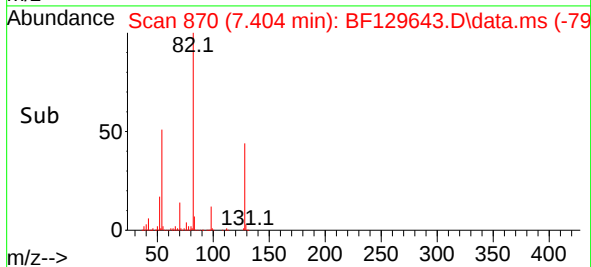
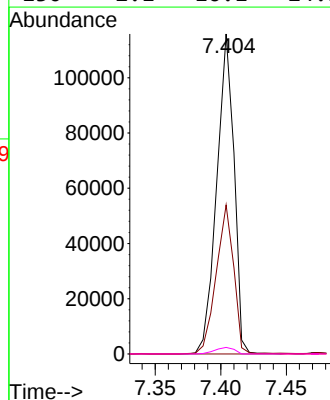
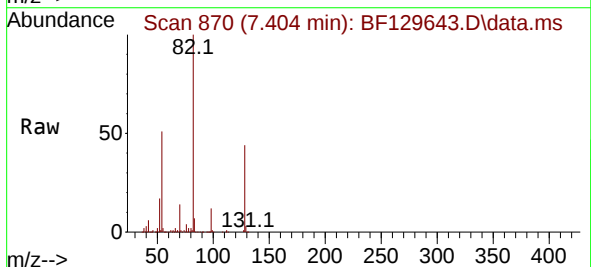
Ion	Ratio	Lower	Upper
99	100		
42	18.4	17.3	25.9
71	35.7	28.9	43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.846 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion: 70 Resp: 105931

Ion	Ratio	Lower	Upper
70	100		
42	46.6	52.3	78.5#
101	0.0	7.5	11.3#
130	2.1	16.1	24.1#



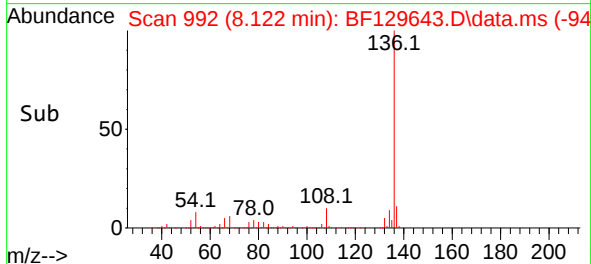
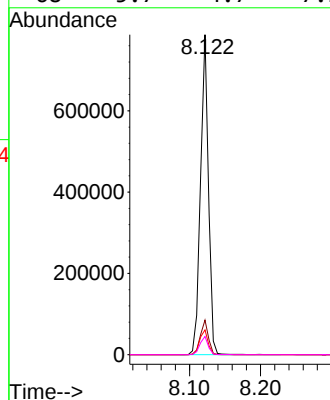
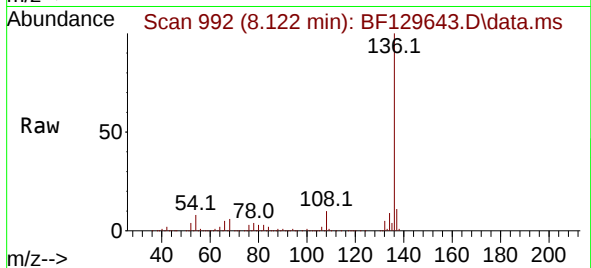


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:136 Resp: 614265

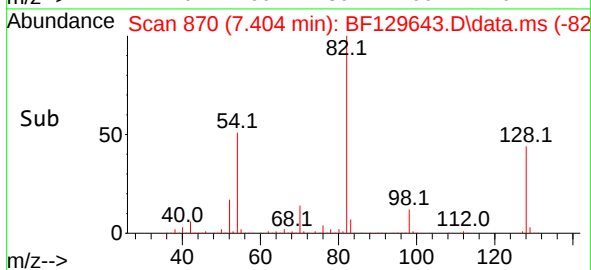
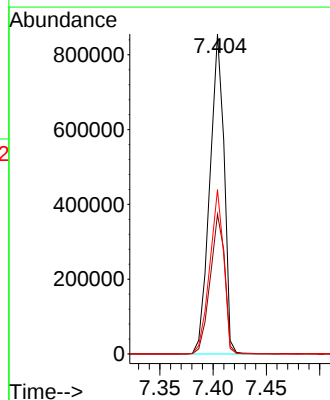
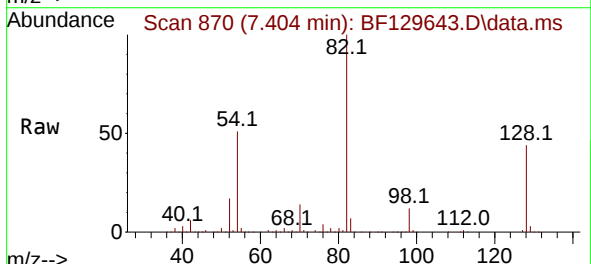
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	7.5	11.3
68	5.7	4.7	7.1



#23
Nitrobenzene-d5
Concen: 71.144 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion: 82 Resp: 800557

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	51.4	46.9	70.3

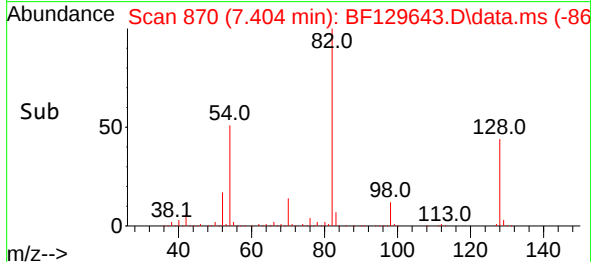
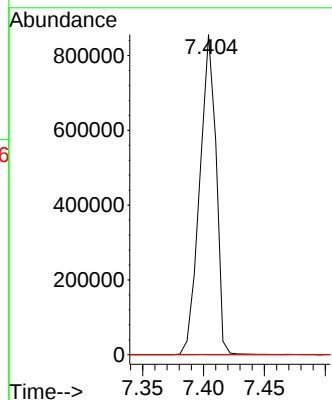
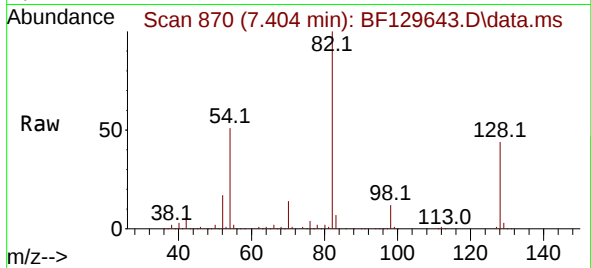




#25
Isophorone
Concen: 39.504 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

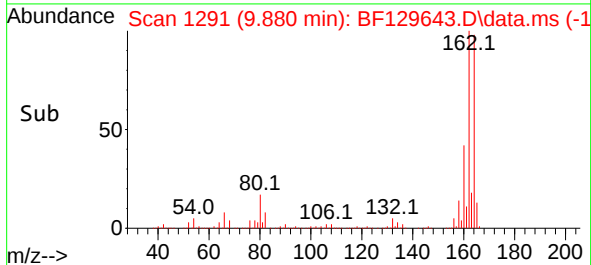
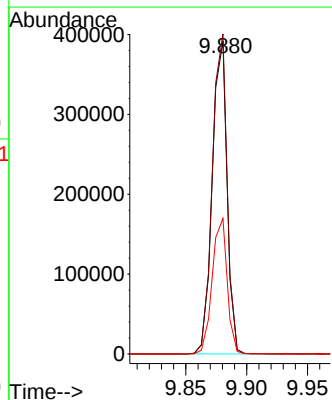
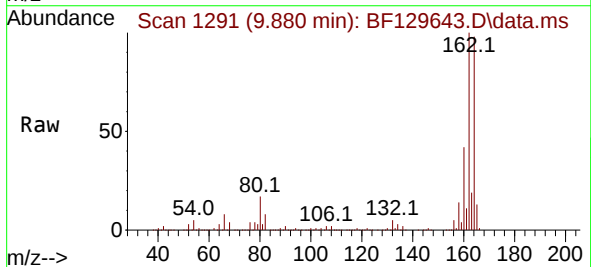
Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 82 Resp: 796812
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: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion: 164 Resp: 331058
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 43.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 98.289 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

SB-01

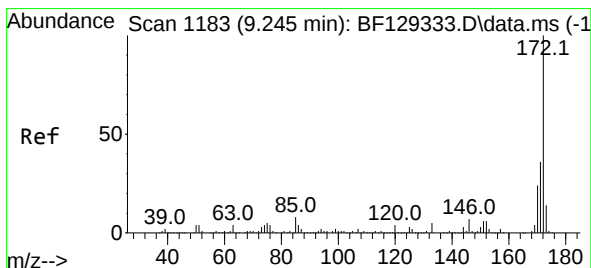
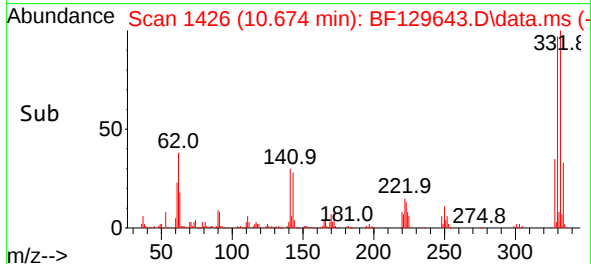
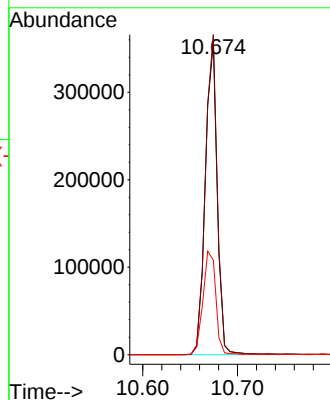
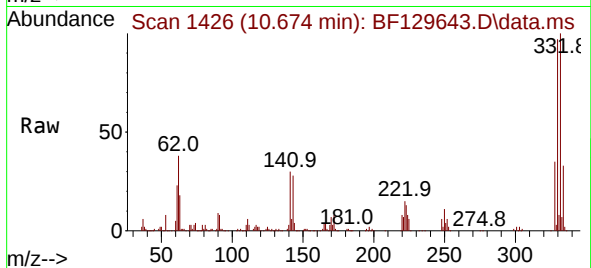
Tgt Ion:330 Resp: 312842

Ion Ratio Lower Upper

330 100

332 102.0 76.8 115.2

141 35.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 66.735 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

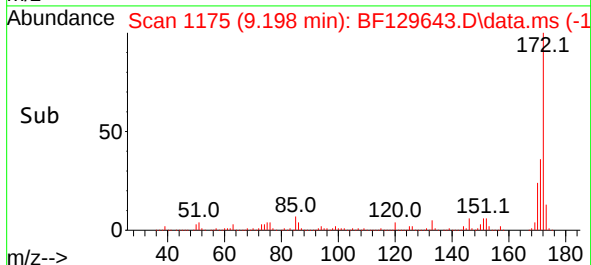
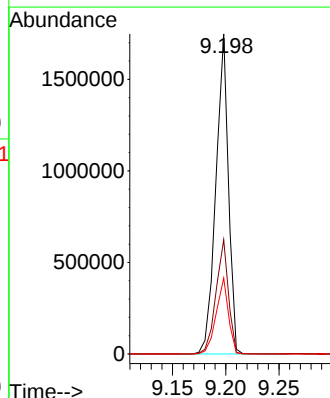
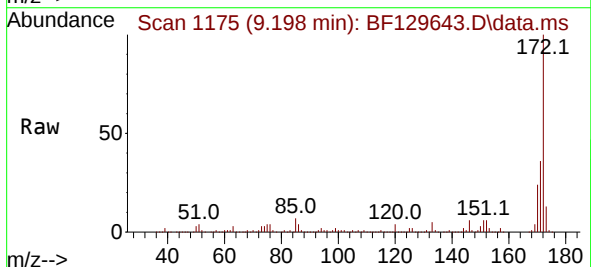
Tgt Ion:172 Resp: 1428171

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.7 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.466 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

SB-01

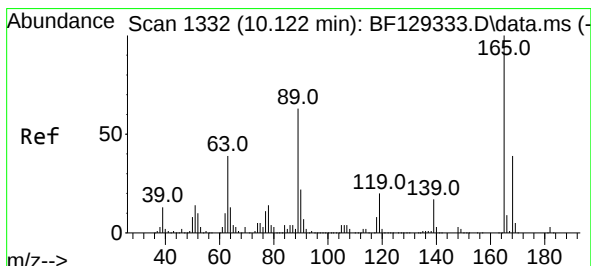
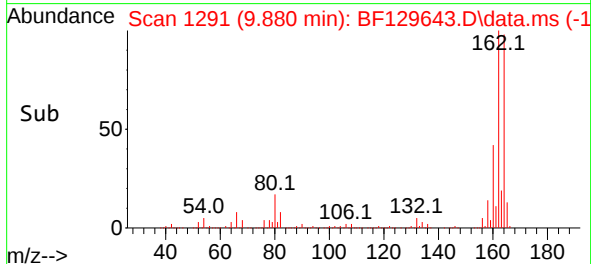
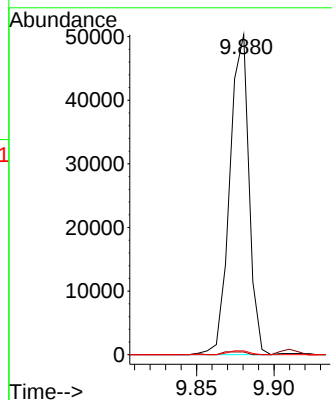
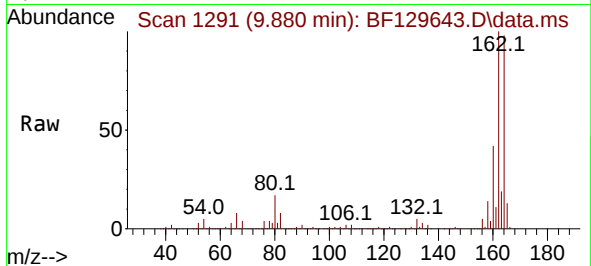
Tgt Ion:165 Resp: 43306

Ion Ratio Lower Upper

165 100

63 0.8 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.481 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Tgt Ion:165 Resp: 43306

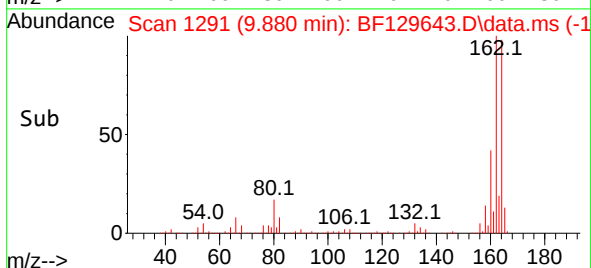
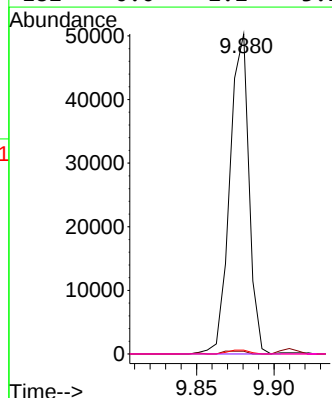
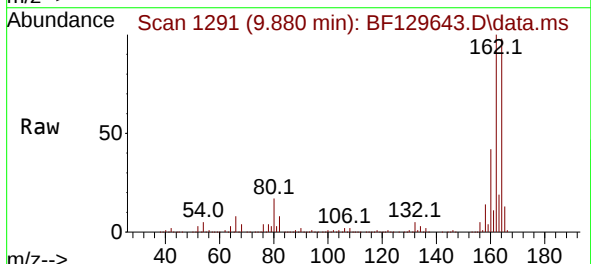
Ion Ratio Lower Upper

165 100

63 0.8 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#

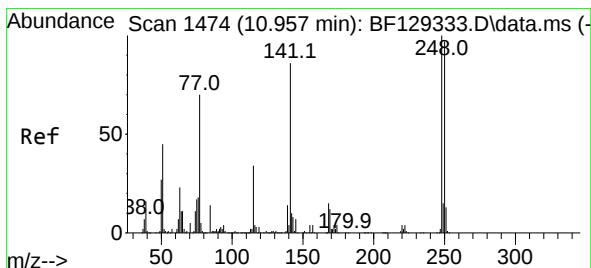
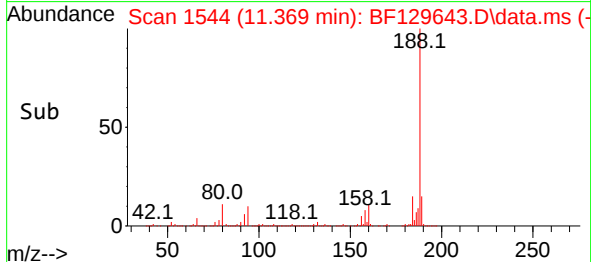
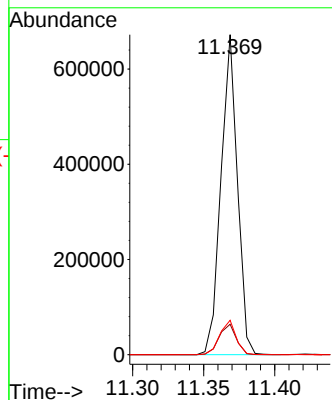
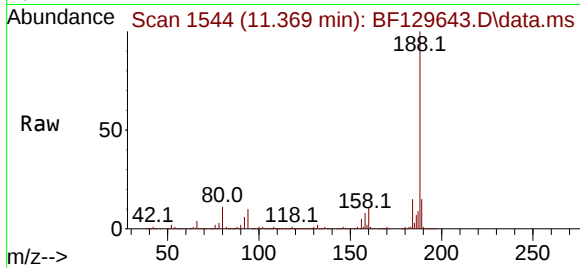




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

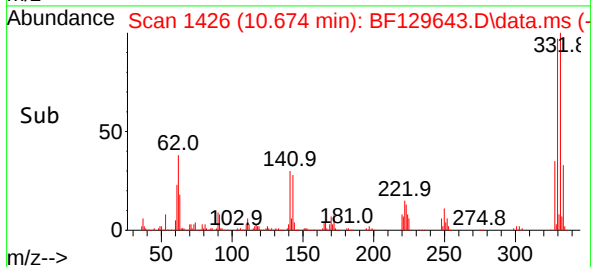
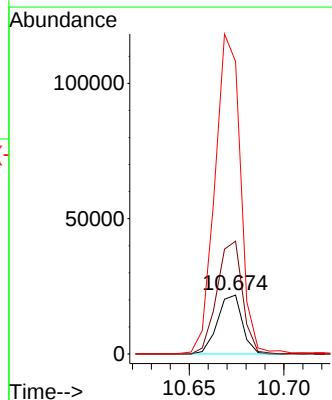
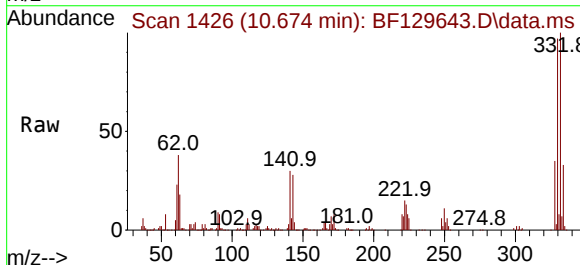
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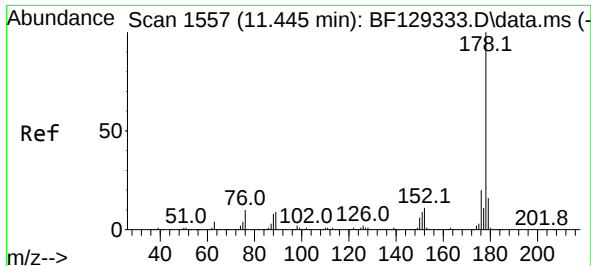
Tgt Ion:188 Resp: 539375
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 10.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.351 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion:248 Resp: 19793
Ion Ratio Lower Upper
248 100
250 191.7 80.6 120.8#
141 497.2 58.9 88.3#

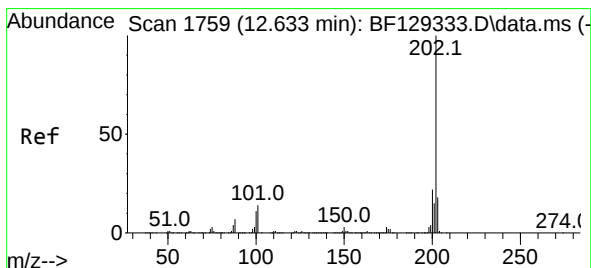
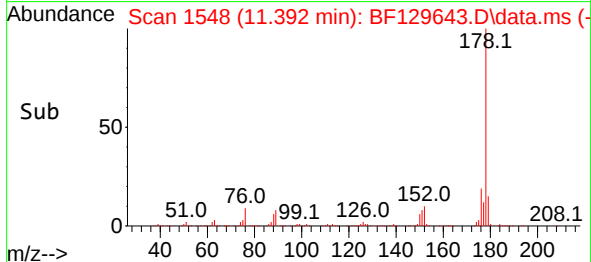
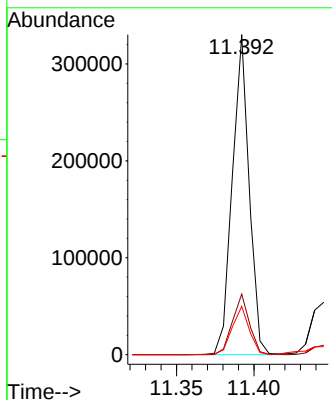
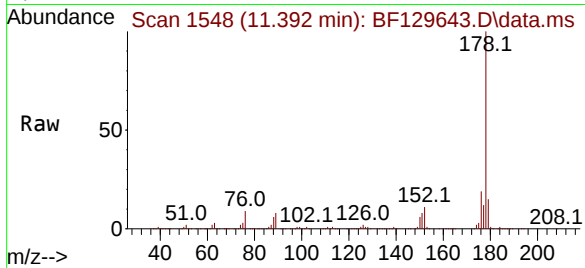




#71
Phenanthrene
Concen: 8.473 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

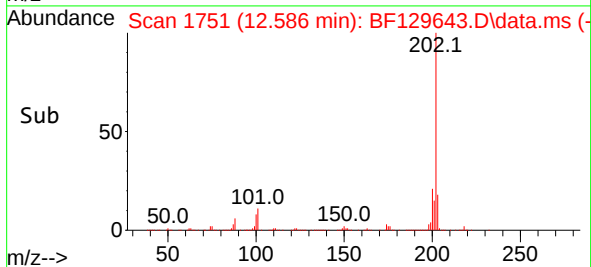
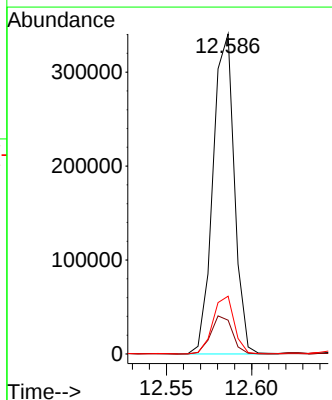
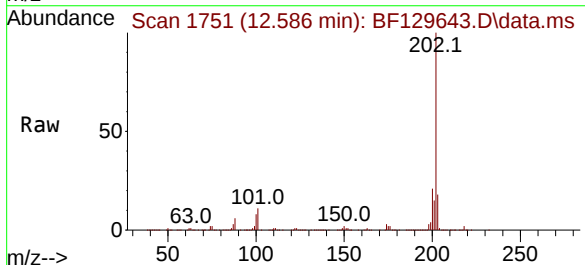
Instrument :
BNA_F
ClientSampleId :
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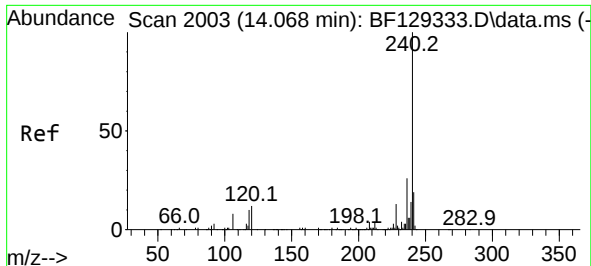
Tgt Ion:178 Resp: 249468
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 12.6 19.0



#75
Fluoranthene
Concen: 9.979 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion:202 Resp: 297704
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 18.0 0.0 38.0

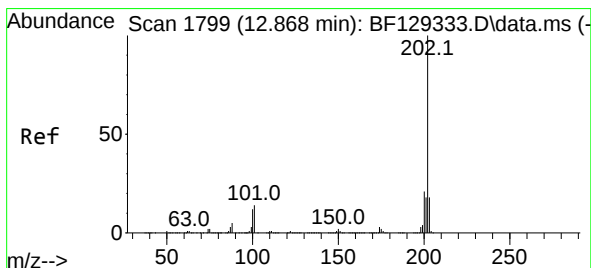
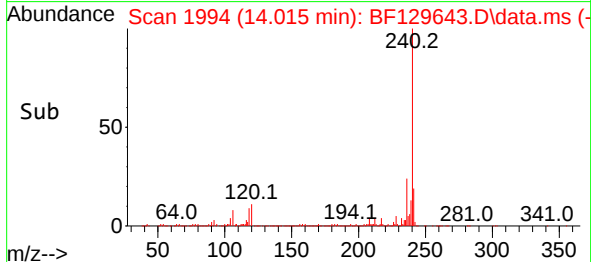
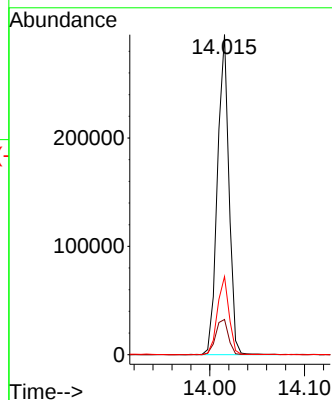
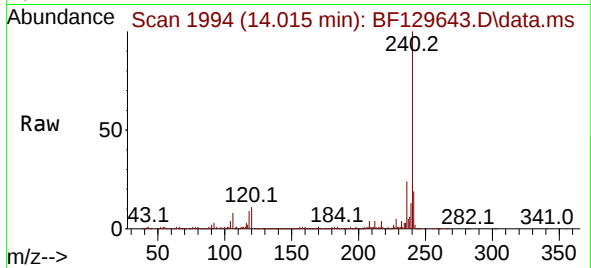




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

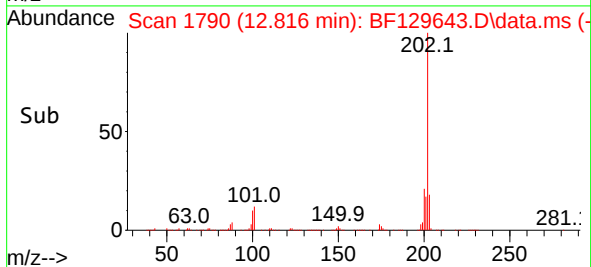
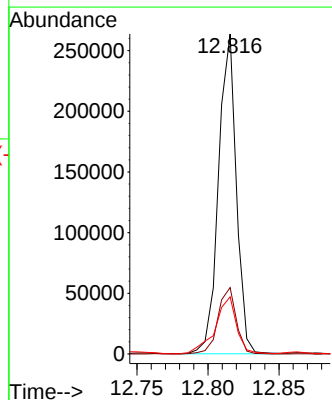
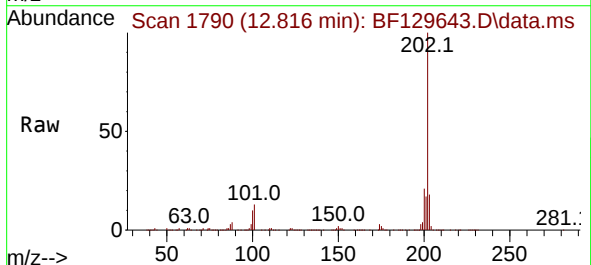
Instrument :
BNA_F
ClientSampleId :
SB-01

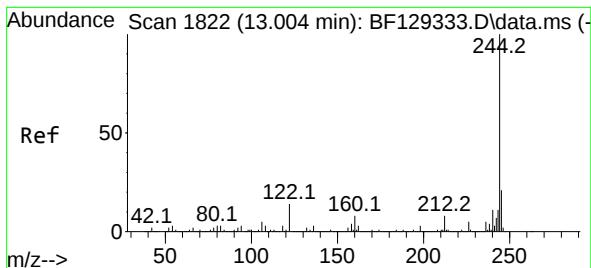
Tgt Ion:240 Resp: 247740
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 24.4 20.8 31.2



#78
Pyrene
Concen: 11.075 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion:202 Resp: 229444
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 89.182 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

SB-01

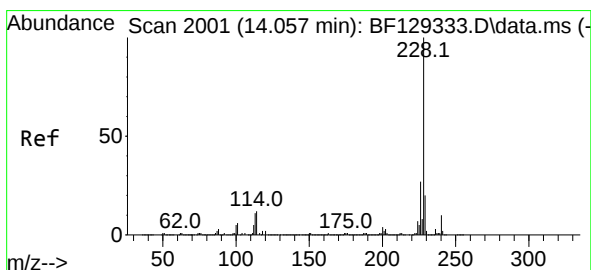
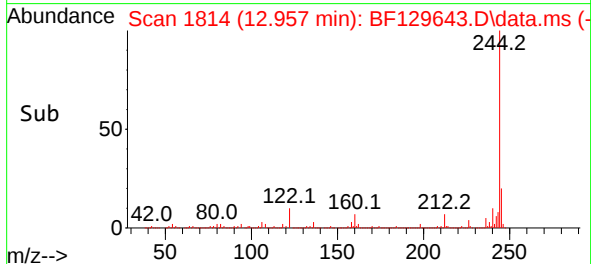
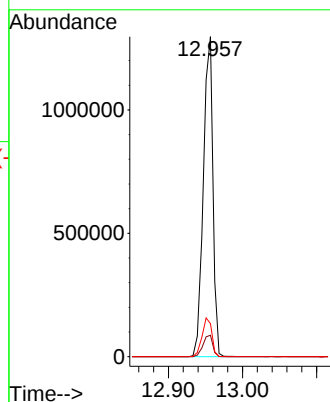
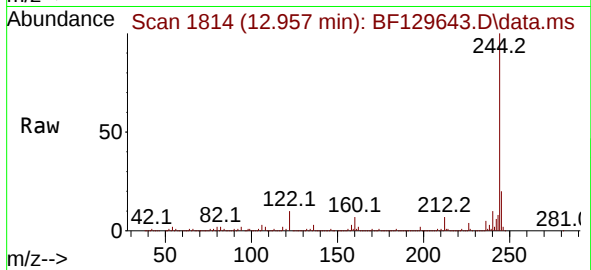
Tgt Ion:244 Resp: 1171109

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

122 10.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 5.642 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

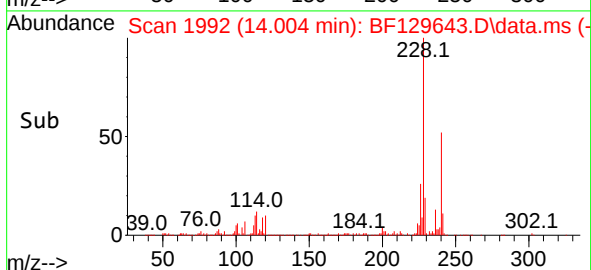
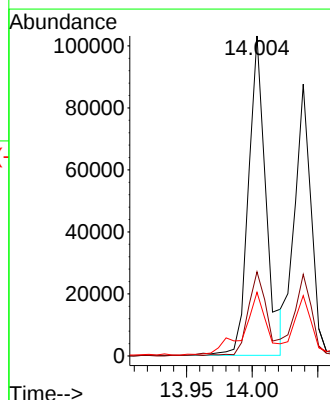
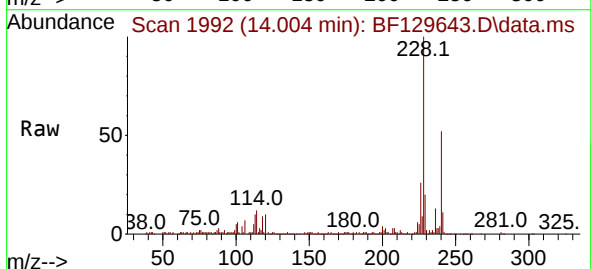
Tgt Ion:228 Resp: 95474

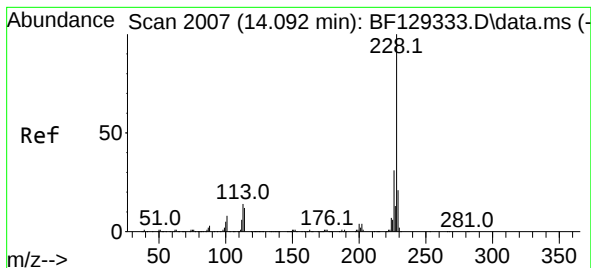
Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

229 19.9 15.8 23.8





#83

Chrysene

Concen: 4.798 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.018 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

SB-01

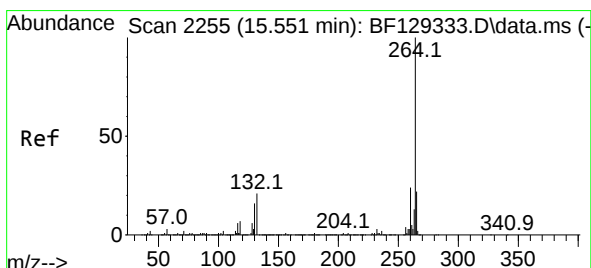
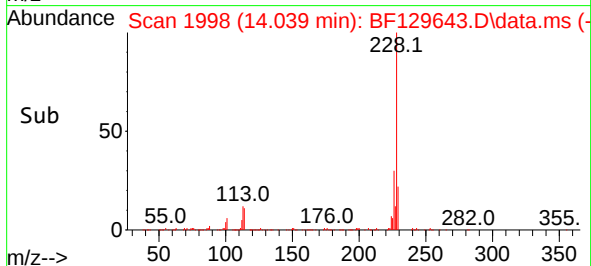
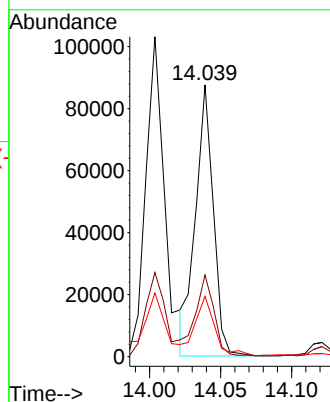
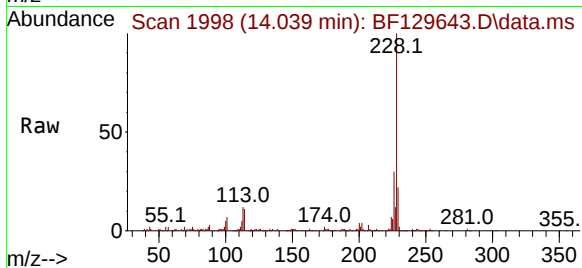
Tgt Ion:228 Resp: 76527

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 22.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

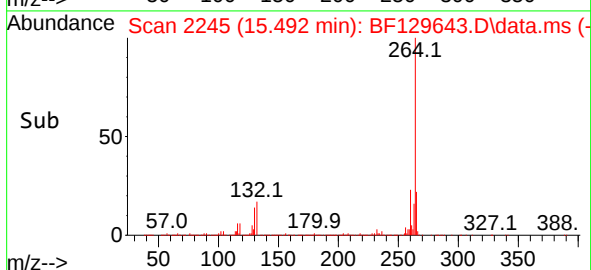
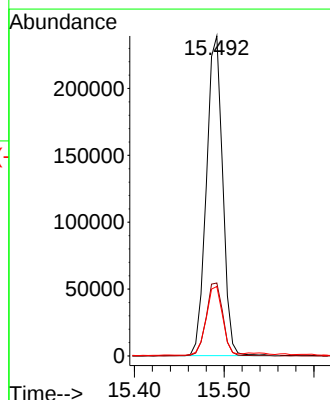
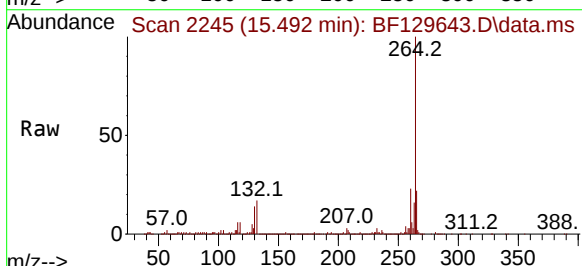
Tgt Ion:264 Resp: 300713

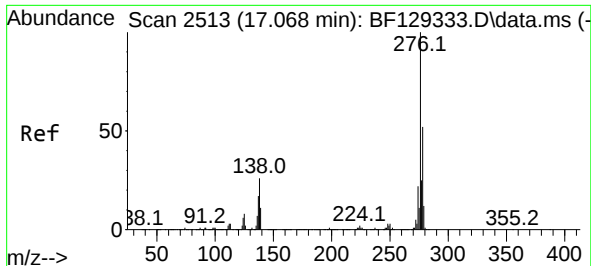
Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 21.7 17.2 25.8

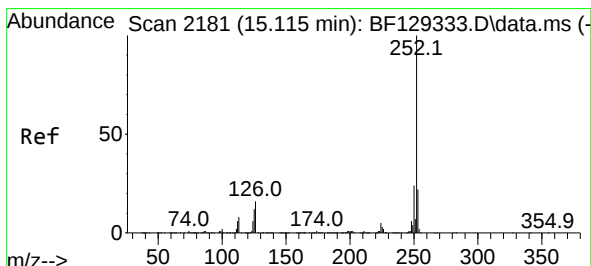
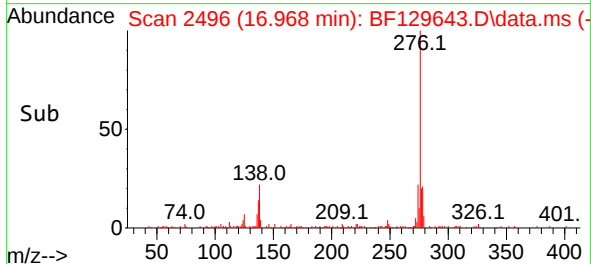
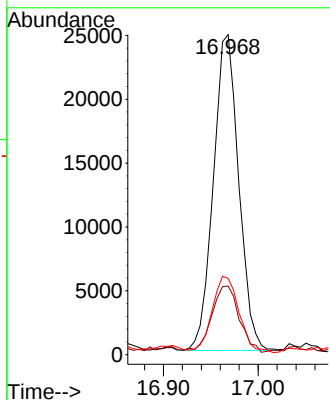
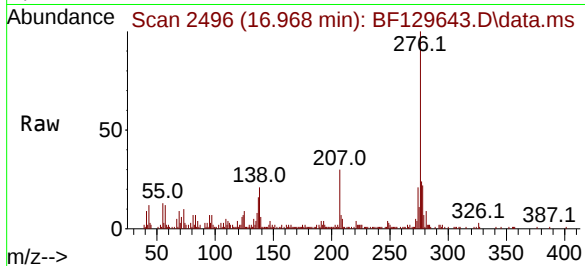




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.273 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.030 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

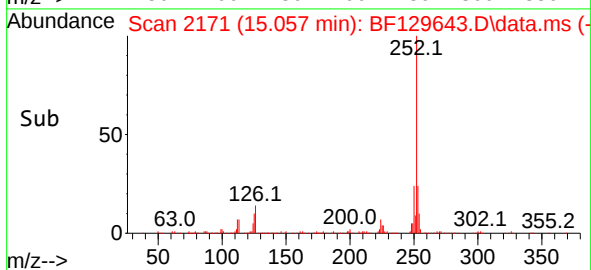
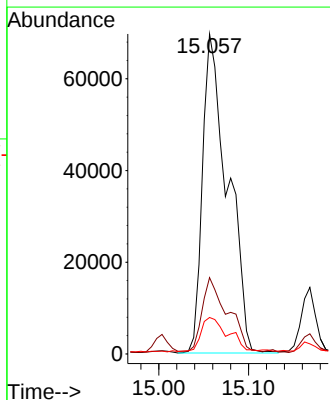
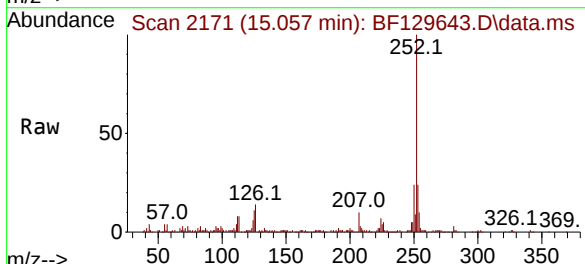
Instrument :
BNA_F
ClientSampleId :
SB-01

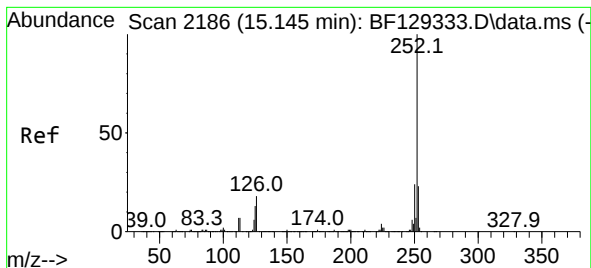
Tgt Ion:276 Resp: 46027
Ion Ratio Lower Upper
276 100
138 22.0 21.1 31.7
277 25.4 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 6.814 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129643.D
Acq: 08 Aug 2022 21:40

Tgt Ion:252 Resp: 135923
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 11.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.953 ng

RT: 15.057 min Scan# 2186

Delta R.T. -0.047 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

SB-01

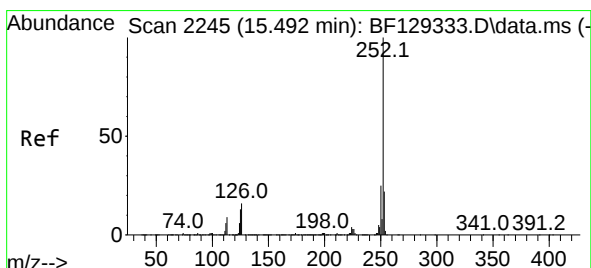
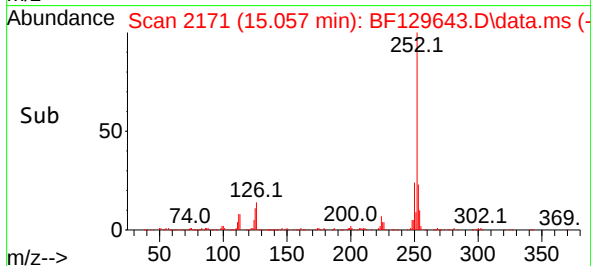
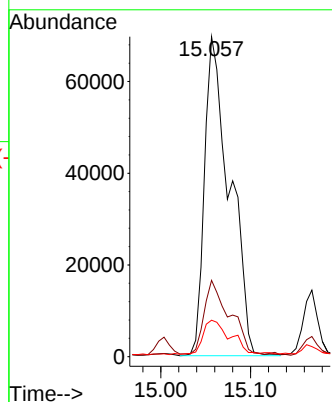
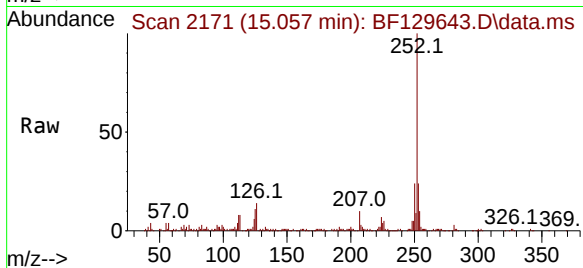
Tgt Ion:252 Resp: 135923

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 11.4 8.3 12.5



#90

Benzo(a)pyrene

Concen: 4.761 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129643.D

Acq: 08 Aug 2022 21:40

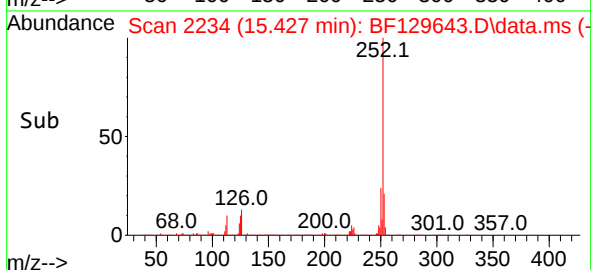
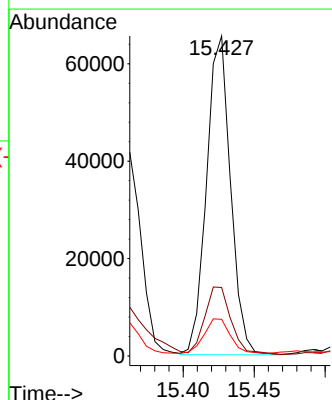
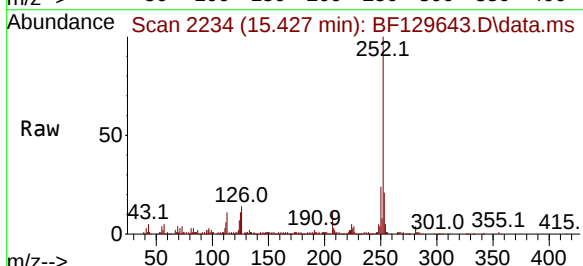
Tgt Ion:252 Resp: 77096

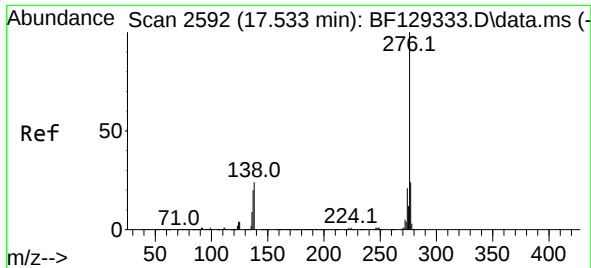
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

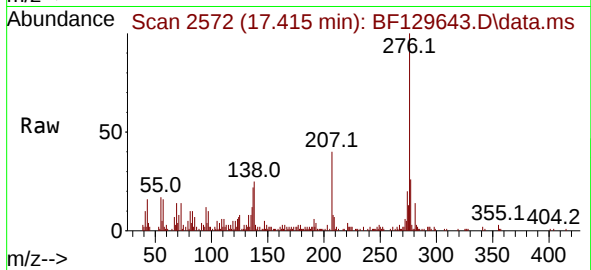
125 11.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.341 ng
 RT: 17.415 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF129643.D
 Acq: 08 Aug 2022 21:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-01



Tgt Ion:	276	Resp:	39427
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	24.6	18.0	27.0

